CITY OF DOVER

PLANNING TECHNICAL REVIEW COMMITTEE –AGENDA

Meeting Type: Regular Meeting
Meeting Location: Council Chambers, City Hall, 288 Central Ave, Dover NH 03820
Meeting Date: **Thursday, November 14, 2024**
Meeting Time: **10:30 AM**

~~1.~~ 10:30 AM – 11:15 PM: ~~TDR Site Review for 5 Sherman Street, LLC, Assessor's Map H, Lot 47-A, zoned R-40, located at 1 Cold Springs Road. (Proposal is to construct eight (8) single-family homes, a four-unit residential building, and maintain an existing single-family home for a total of 13 units. The project includes a TDR request to purchase the four (4) multi-family units with HUD-restricted rental rates and the eight (8), 1,400 s.f. single family homes and a request for relief from TDR setbacks.) (SITE-2024-0015)~~

~~*Three (3) related applications will also appear before the Planning Board, TRAN-2024-0012, COND-2024-0029, COND-2024-0030.~~

2. 11:15 AM – 12:00 PM: Site Review for 5 Sherman Street, LLC, Assessor's Map 19, Lot 8, zoned R-12, located at 103 Court Street. (Proposal is to convert the existing home into a duplex, construct a second duplex in addition to five (5) new single-family homes for a total of nine (9) dwelling units. (SITE-2024-0012) *[This item was previously heard by the Planning Technical Review Committee on September 5, 2024 and September 26, 2024]*

PLAN SNAPSHOT REPORT SITE-2024-0015
FOR CITY OF DOVER, N.H.

Plan Type: Site Plan - Major
Work Class: New Construction
Status: Fees Due
Valuation: $0.00

Project:
District: None
Square Feet: 0.00
Assigned To: Blonigen, Rachel

App Date: 10/24/2024
Exp Date: 12/28/2024
Completed: NOT COMPLETED
Approval Expire Date:

Description: Request to propose 4 multi-family units restricted to HUD rates. Request to propose 7, 1,400 Sq. Ft. single family units. Request reduce the 30' buffer to the standard TDR building setbacks. Please find project narrative for complete TDR request description & justification. 13 Total units on site with existing single-family home and one additional single-family home allowed by right using the TDR Density calculation

Parcel: H0047-A00000 Main

Address: 1 Cold Springs Rd Main
Dover, NH

Zone: R-40(Residential - Rural)

Surveyor
Kenneth Berry
Home: (603) 332-2863
Business: (603) 332-2863
Mobile: (603) 332-2863

Applicant
Berry Surveying & Engineering
335 Second Crown Point Road
Barrington, NH 03825
Business: (603) 332-2863
Mobile: (603) 781-3403

Soil Scientist
John Hayes III
Home: (603) 205-4396
Business: (603) 205-4396
Mobile: (603) 205-4396

Project Manager
Berry Surveying & Engineering
335 Second Crown Point Road
Barrington, NH 03825
Business: (603) 332-2863
Mobile: (603) 781-3403

Landscape Architect
Terrain Planning & Design, LLC
Business: (603) 491-2322

Owner
Robert Baldwin
242 CENTRAL AV
DOVER, 03820
Home: (603) 986-2373
Business: (603) 986-2373
Mobile: (603) 986-2373

Engineer
Kenneth Berry
Home: (603) 332-2863
Business: (603) 332-2863
Mobile: (603) 332-2863

Applicant
Baldwin Robert
Home: (603) 742-2121
Mobile: (603) 986-2373

Wetlands Scientist
John Hayes III
Home: (603) 205-4396
Business: (603) 205-4396
Mobile: (603) 205-4396

Plan Custom Fields

Total	0	Total2	0	Total3	0
Total4	0	Total5	0	Total6	0
Total7	0	Total8	0	Total9	0
Street Classification Type	Municipal	Net Change in # Parking Spaces (+/-)	28	Water Service	Municipal
Recording Number		Sewer Service	Municipal	Total Acres (GIS)	2.71
Deed Book	5190	Total SQFT	118048	Deed Page	597
Deed Date		Proposed Property Use	Request to propose 4 multi-family units restricted to HUD rates. Request to propose 7, 1,400 Sq. Ft. single family units. Request reduce the 30' buffer to the standard TDR building setbacks. Please find project narrative for complete TDR request description & justification. 13 Total units on site with existing single-family home and one additional single-family home allowed by right using the TDR Density calculation.		Lot Merger with the rest of Sophie Drive proposed.

PLAN SNAPSHOT REPORT (SITE-2024-0015)

Area of Parcel to be Developed (SQFT)	101150	Number of Parking Spaces Existing	2	Number of Parking Spaces Proposed	30
Distance to City Water	0	Distance to City Sewer	0	Type of Building to be Built	8 single family homes, 1 garage/barn converted to 4-unit multi-family, 1 single family to remain
Estimated Construction Value	4800000.00	Refuse Removal	Private	Is there an existing Conservation Easement?	No
Existing Conservation Easement Details		TotalImpactFeeSDTOD	0.00	TotalImpactFeeTHTOD	0.00
TotalImpactFee23FTOD	0.00	TotalImpactFeeA4TOD	0.00	TotalImpactFeeMHTOD	0.00
TotalImpactFeeADUTOD	0.00	TotalImpactFeeAONRTOD	0.00	TotalImpactFeeAR55TOD	0.00
TotalImpactFeeAR62TOD	0.00	Sub Total Residential	0.00	TotalImpactFeeRIRCTOD	0.00
TotalImpactFeeOCSTOD	0.00	TotalImpactFeeITWCTOD	0.00	TotalImpactFeeNHALTOD	0.00
TotalImpactFeeOIUTOD	0.00	TotalImpactFeeAFAOTOD	0.00	Sub Total Non-Residential	0.00
Total of Impact Fees to be Assessed	0.00				

Attachment File Name	Added On	Added By	Attachment Group	Notes
Signature_Chris_Berry_10/24/2024.jpg	10/24/2024 10:01	Berry, Chris		Uploaded via CSS
2024.11.14_PlanningTechnicalReviewCommittee.Agenda.pdf	10/29/2024 10:13	Blonigen, Rachel		TRC Agenda

Invoice No.	Fee	Fee Amount	Amount Paid
INV-00009747	Planning General Application Fee	$200.00	$0.00
	Total for Invoice INV-00009747	$200.00	$0.00
	Grand Total for Plan	**$200.00**	**$0.00**

Workflow Step / Action Name	Action Type	Start Date	End Date
Review v.1			
Confirm application complete v.1	Generic Action		
Technical Review Committee Meeting Agenda v.1	Task		
Land Use Plan Technical Review v.1	Receive Submittal		
Technical Review Committee Meeting v.1	Hold Meeting		
Planning Board v.1			
Planning Board Agenda v.1	Task		
Invoice for Notices v.1	Task		
Send Notices v.1	Task		
Planner Creates Staff Recommendations v.1	Plan Activity		
Distribute Planning Board Materials v.1	Task		
Planning Board Hearing v.1	Hold Hearing		
Planning Board Decision v.1	Plan Activity		
NOD Sent to Applicant v.1	Create Report		
Final Plan v.1			
Land Use Plan Stamped and Signed v.1	Generic Action		
Recording v.1	Task		
Document Archival v.1	Generic Action		
Internal Notification of Plan Completion v.1	Generic Action		
Building Official Notifies Address v.1	Generic Action		
Pre-Con Meeting v.1	Hold Meeting		

PLAN SNAPSHOT REPORT (SITE-2024-0015)

Create/Link to Records v.1	
Create / Link to Permit - Building Major v.1	Create Sub Permit
Create / Link to Permit - Site Work, Construction v.1	Create Sub Permit

City of Dover, New Hampshire
SITE REVIEW APPLICATION

[Revision Date: July 1, 2021]

Office Use Only	Project #:		Date Received:	
	Amount Paid:		Time Received:	

APPLICANT AND OWNER INFORMATION

Name of Applicant: Knox Marsh Development, LLC Telephone # 603-742-2121

Address of Applicant: 242 Central Ave. Dover, NH 03820

E-Mail Address: Robert@centralfallsrealty.com

Name of Property Owner (*if different from applicant*): 5 Sherman Street LLC Telephone # 603-986-2373

Address of Property Owner: 242 Central Ave. Dover, NH 03820

PROPERTY INFORMATION

Address of Property: 1 Cold Springs Road

Assessor's Map # H Lot(s) # 47-A

Zoning District(s) R-40 Overlay District(s) Conservation, Steep Slope

Size of Parcel: 117,854 sq. ft. 2.71 ac. Property Deed: Book 5190 Page: 597

Existing Use of Property: Single Family Home

SITE PLAN INFORMATION

Describe Proposed Use: Residential, 7 new single family, 4 new multifamily

Area of Parcel to be Developed: 101,150 sq. ft.

If Multi-family Residential: Number of Units 4 & Buildings Proposed 1

If lodging: Number of Units _____ & number of Buildings _____

Number of Parking Spaces: Existing _____ Proposed 30 + Ex Single Family Driveway

Highway Access (check where applicable): X City Street ____ State Highway

Number of Employees Total: _____ In Maximum Shift: _____

Disposition of Parcel: Multi: 3,108SF Single Family: 1,400SF

Building Setbacks: TDR Request

Building Footprint _____ sq. ft.

Front Yard 20' abut a street ft.

Total Building Area _____ sq. ft.

Rear Yard 30 ft.

Paved Area 13,075 NEW PAVE IMP sq. ft. Function of Lot Merger)

Side Yard: Right 10 ft. Left 10 ft.

City Water? X Yes ___ No How far is city water from the property? _____

City Sewer? X Yes ___ No How far is city sewer from the property? _____

TRANSFER OF DEVELOPMENT RIGHTS INFORMATION

Type of TRANSFER OF DEVELOPMENT RIGHT REQUEST (Check All That Apply):

□ Residential □ Residential (reduced size) □ Industrial | □ Purchase □ Land Preservation

Relief sought (Check All That Apply):

□ Lot Size □ Frontage ☒ Setback ☒ 30' Buffer ☒ Increase by 11 units

Describe Proposed Use or Activity that requires TDR; describe any impacts and document mitigation:

Request to propose 4 multi-family units restricted to HUD rates. Request to propose 7, 1,400 Sq. Ft. single family units. Request to use the TDR setbacks in the zone, as opposed to the R-40 setbacks. Please find project narrative for complete TDR request description & justification.

BUILDING INFORMATION

Type of Building to be Built: 8 single family homes, 1 garage/barn converted to multi-family, 1 single family to remain

Height of Building: +/-30' Finished Floor Elevation: See plans

Number of Seats (where applicable) N/A

Estimated value of construction: 4,800,000 Refuse removal: Public/Private (circle one)

WAIVER REQUESTS

Site Review Regulations section(s) to be waived: None

Justification for waiver request(s) (*attach additional sheets as needed*):

SURVEYOR INFORMATION

Name of Surveyor and Company (Licensed in N.H.) Kenneth A. Berry, PE, LLS

Address 335 Second Crown Point Road, Barrington, NH 03825 Telephone #: 603-332-2863

Professional License #: 805 E-mail address: K.berry@berrysurveying.com

ENGINEER INFORMATION

crberry@metrocast.net

Name of Engineer and Company (Licensed in N.H.) Kenneth A. Berry, PE, LLS

Address 335 Second Crown Point Road, Barrington, NH 03825 Telephone #: 603-332-2863

Professional License #: 14243 E-mail address: K.berry@berrysurveying.com

ARCHITECT INFORMATION

crberry@metrocast.net

Name of Architect and Company (Licensed in N.H.) _____

Address _____ Telephone #: _____

Professional License #: _____ E-mail address: _____

LANDSCAPE ARCHITECT INFORMATION

Name of Landscape Architect and Company (Licensed in N.H.) Terrain Planting & Design LLC Eric Buck

Address 311 Kast Hill Road, Hopkinton NH 03229 Telephone #: 603-491-2322

Professional License #: 78 E-mail address: _____

SOIL SCIENTIST INFORMATION

Name of Soil Scientist and Company (Licensed in N.H.) John P. Hayes III, CSS, CWS

Address 7 Limestone Way, North Hampton NH 03862 Telephone #: 603-205-4396

Professional License #: _____ E-mail address: johnphayes@comcast.net

CONSERVATION EASEMENT HOLDER

Name of Easement Holder: _____ Telephone #_____

Address Easement Holder: _____

SIGNATURES

I/We hereby submit this application to the City of Dover Planning Board and attest that to the best of my knowledge all of the information on this application form and in the accompanying application materials and documentation is true and accurate. Furthermore, I/we submit that the existing conditions sheet of the plan represents the lot in question, and that no alteration of the site shall take place during Planning Board review up to and including the pre-construction meeting. As applicant or as agent, I attest that I am duly authorized to act in this capacity.

Signature of Property Owner: _____ Date: 9-20-24

Signature of Applicant (*if different from owner*): _____ Date: _____

Signature of Agent: _____ Date: 9-20-24

AUTHORIZATION TO ENTER SUBJECT PROPERTY

I, and my successors, hereby authorize members of the Dover Planning Board, Planning Department and other pertinent City Departments and boards to enter my property for the purpose of evaluating this application, including performing inspections during the application phase, post-approval phase, construction phase and occupancy phase. It is understood that these individuals must use all reasonable care, courtesy, and diligence when on the property.

Signature of Property Owner: _____ Date: 9-20-24

AUTHORIZATION TO COMPLETE THE PROJECT ON SUBJECT PROPERTY

I, and my successors, hereby the City of Dover or its assigns to enter my property for the purpose of completing the site work as required by the approved plan should the letter or credit or other surety be called. It is understood that these individuals must use all reasonable care, courtesy, and diligence when on the property.

Signature of Property Owner: _____ Date: 9-20-24

Signature of Applicant (*if different from owner*): _____ Date: 9-20-24

CERTIFICATION OF FEES

I, and my successors, hereby certify that I understand that the City of Dover collects impact fees, utility investment fees and inspection fees for projects developed in Dover. Said fees must be paid before a Certificate of Occupancy can be obtained for a structure, unless a different payment schedule is agreed to by the applicant and the City prior to approvals being issued by the Dover Planning Board. Additionally, should the property be in "Current Use" it will be subject to the Land Use Change Tax.

Signature of Property Owner: _____ Date: 9-20-24

Signature of Applicant (*if different from owner*): _____ Date: _____

CITY OF DOVER SITE REVIEW
LIST OF ABUTTERS

Pursuant to RSA 676:4, the State Law of New Hampshire, the City of Dover is required to notify the applicant, abutters (including holders of conservation easements), and any professional whose seal is on the plan, of the public hearing by certified mail, return receipt requested. Staff will provide the abutter information, while the applicant must provide accurate contact information for the owner, applicant and professional agents representing the project.

Owner:

TAX MAP	LOT #	PROPERTY OWNER	MAILING ADDRESS

Applicant (if different from owner):

APPLICANT NAME	APPLICANT COMPANY	MAILING ADDRESS

Surveyor and/or Engineer/Professional Agent:

NAME	COMPANY	MAILING ADDRESS

Conservation Easement Holder:

TAX MAP	LOT #	NAME OF EASEMENT HOLDER	MAILING ADDRESS

City of Dover, New Hampshire
SITE PLAN REVIEW SUBMISSION CHECKLIST

[Revision Date: June 4, 2019]

This site plan review checklist, as required by Chapter 153-6-B(2), should be completed by the applicant. It is intended to assist the applicant in the planning process of preparing a Site Plan Review application for Planning Board action. The size of the project will determine the types of information required for review, therefore, a **pre-application conference** with the Planning Department to determine the list of items that must be completed is strongly encouraged.

The first step would be to appear before the Technical Review Committee, to apply, eight (8) folded copies of the site plan with scale of not less than 1"=50' or 1" =100' for larger site plans, need to be provided, along with payment of plan review fees.

Two weeks prior to Planning Board, three (3) full size and twelve (12) half size (11x17), folded, copies of the plan set and materials, including response to TRC comments, will be due. Abutter/Notice Fees will be invoiced and need to be paid 28 hours prior to the Planning Board meeting.

The applicant is cautioned that this checklist is only a guide and is not intended to be a complete list of all site plan review requirements. Please refer to the Site Plan Review Regulations for full details.

APPLICANT: Knox Marsh Development, LLC File Number: _____

PROJECT TITLE: Sophie Drive

PROPERTY LOCATION: 1 Cold Spring Road Tax Map: H Lot: 47-A

	Where/How Provided	Reviewed
1. Completed and signed Application form	X	
2. Plan Review Fees are provided	X	
3. Electronic copy of the engineered/surveyed plan layout	X	
4. Electronic copy of supplementary materials and application	X	
5. Traffic Impact Assessment and Analysis (Standard or Advanced)	X	
6. Waiver requests to the Site Plan Review Regulations, with written justification	N/A	
7. Conditional Use Permit applications	X	
8. A colored rendering of the streetscape that will be created along the existing public right-of-way	X	
9. A colored architectural plan showing all sides of buildings	X	
10. Folded copies of site plan w/scale of not less than 1"=50' or 1"=100' for larger site plans, for TRC. Plans shall contain the following items as appropriate:	X	
Location map at appropriate scale	X	
Proposed Project name and title and Planning File #	X	
Date, north arrow and scale	X	
Names of all abutting property owners	X	
Name and address of owners and/or applicants	X	
Signature & stamp of NH licensed land surveyor and/or engineer	X	
Zoning District boundaries, including any special or overlay districts	X	
Location of Conservation District areas	X	
Location, names and widths of existing and proposed streets, including pavement widths, grades, curbs and crosswalks	X	
Location and widths of existing & proposed easements & right of ways	X	
Location and width of existing and proposed access/egress ways	X	

	Explain How Provided	Reviewed
Depict pedestrian walkways and accessible access	X	
Existing and proposed property lines with dimensions and bearings tied into Dover's Geographic Information System coordinate system	X	
Existing and proposed topographic information at two foot intervals	X	
Existing and proposed buildings and structure locations	X	
Minimum building setbacks or build to lines on all lots	X	
Location and size of existing and proposed electric, telephone, gas cable and other underground utilities	X	
Existing and proposed water lines and fire hydrants, including materials and capacity needed	X	
Location and materials of sanitary sewage facilities within project site and projected additional peak hour sewer load	X	
Existing and proposed stormwater lines and facilities	X	
Lighting plan depicting all existing and proposed exterior light fixtures and a lighting level analysis for parking lots	X	
Location of Flood Hazard Zone	N/A	
Location of all bodies of water and watercourses	N/A	
Location of wetlands and buffers	N/A	
Neighborhood plan with aerial underlay showing how project relates to abutting uses within the plan set	X	
Existing natural features and/or significant vegetation on property	X	
Depict existing contours up to 100 ft. beyond project limits	X	
Landscape plan depicting existing and proposed landscaping, prepared by a licensed Professional Landscape Architect	X	
Location of parking layout delineating spaces and arrangement; note addressing maximum required spaces	X	
Location, material and size of existing and proposed pavement area	X	
Location of proposed fire lanes	X	
Specify finished floor elevations of buildings	X	
Location of solid waste disposal facilities (dumpster, pad and screening, etc.), including required screening	X	
Depict all service, storage, loading bays and utility areas	N/A	
All applicable Dover Common Site Plan notes	X	
11. Additional Information if appropriate		
Stormwater Management Plan depicting the existing & proposed storm drainage system and engineered drainage analysis	X	
Stormwater Management System Operation and Maintenance Plan	X	
Letter to Serve from Public and Private Utilities	Will Provide	
Erosion and Sedimentation Control Plan	X	
Landscape Operation and Maintenance Plan	X	
Proposed restrictive covenants or homeowners association documents	X	
Dates and permit numbers of all required state and federal permits	Will provide	
If wetland buffer, indicate placards locations, as applicable	N/A	
Depict test boring locations, groundwater elevations and soil profiles and/or soils types call-outs	X	
Location of proposed drive-in facilities	N/A	
Provide additional exhibits/technical data determined appropriate by the Planning Board or its staff as required	Will provide as needed	

REVIEWED BY: _____ DATE_____ TRC DATE_____

City of Dover, New Hampshire
TRANSFER OF DEVELOPMENT RIGHTS APPLICATION

[Revision Date: October 1, 2020]

Office Use Only	Project #:		Date Received:	
	Amount Paid:		Time Received:	

APPLICANT AND OWNER INFORMATION

Name of Applicant: Knox Marsh Development, LLC Telephone # 603-742-2121

Address of Applicant: 242 Central Ave. Dover, NH 03820

E-Mail Address: Robert@centralfallsrealty.com

Name of Property Owner (if different from applicant): 5 Sherman Street LLC Telephone # 603-986-2373

Address of Property Owner: 242 Central Ave. Dover, NH 03820

PROPERTY INFORMATION

Assessor's Map # H Lot(s) # 47-A

Address of Property: 1 Cold Springs Road

Zoning District(s) R-40 Overlay District(s) Conservation, Steep Slope

Existing Use of Property: Single Family Home

New impervious area (in s.f.): 20,864SF (Function of Lot merger)

TRANSFER OF DEVELOPMENT RIGHTS INFORMATION

Type of TRANSFER OF DEVELOPMENT RIGHT REQUEST (Check All That Apply):

☒ Residential ☐ Residential (reduced size) ☐ Industrial | ☒ Purchase ☐ Land Preservation

Relief sought (Check All That Apply):

☐ Lot Size ☐ Frontage ☒ Setback ☒ Increase by 11 units

Describe Proposed Use or Activity that requires TDR; describe any impacts and document mitigation:

Request to propose 4 multi-family units restricted to HUD rates. Request to propose 7, 1,400 Sq. Ft. single family units. Request to use the TDR setbacks in the zone, as opposed to the R-40 setbacks. Please find project narrative for complete TDR request description & justification.

List Any Associated State or Federal Permits That Have Been or Will Be Applied For and Indicate Their Status: NHDES Alteration of Terrain, NHDES Sewer Discharge, EPA NOI (Not yet Submitted)

Name of Professional That Prepared TDR Plans: Kenneth A. Berry, PE, LLS

Address 335 Second Crown Point Road, Barrington, NH 03825 Telephone #: 603-332-2863

Professional License #: 14243 (PE), 805 (LLS) E-mail address: K.berry@berrysurveying.com crberry@metrocast.net

SIGNATURES

I/We hereby submit this application to the City of Dover Planning Board and attest that to the best of my knowledge all of the information on this application form and in the accompanying application materials and documentation is true and accurate. As applicant or as agent, I attest that I am duly authorized to act in this capacity.

Signature of Property Owner: _____ Date: 9-20-24

Signature of Applicant (if different from owner): _____ Date: _____

Signature of Agent: _____ Date: 9-20-24

AUTHORIZATION TO ENTER SUBJECT PROPERTY

I, and my successors, hereby authorize members of the Dover Planning Board, Planning Department and other pertinent City Departments and boards to enter my property for the purpose of evaluating this application, including performing inspections during the application phase, post-approval phase, construction phase and occupancy phase. It is understood that these individuals must use all reasonable care, courtesy, and diligence when on the property.

Signature of Property Owner: _____ Date: 9-20-24

CITY OF DOVER TRANSFER OF DEVELOPMENT RIGHTS
LIST OF ABUTTERS

Pursuant to RSA 676:4, the State Law of New Hampshire, the City of Dover is required to notify the applicant, abutters (including holders of conservation easements), and any professional whose seal is on the plan, of the public hearing by certified mail, return receipt requested. Staff will provide the abutter information, while the applicant must provide accurate contact information for the owner, applicant and professional agents representing the project.

Owner:

TAX MAP	LOT #	PROPERTY OWNER	MAILING ADDRESS

Applicant (if different from owner):

APPLICANT NAME	APPLICANT COMPANY	MAILING ADDRESS

Surveyor and/or Engineer/Professional Agent:

NAME	COMPANY	MAILING ADDRESS

Conservation Easement Holder:

TAX MAP	LOT #	NAME OF EASEMENT HOLDER	MAILING ADDRESS

City of Dover, New Hampshire
TDR REVIEW SUBMISSION CHECKLIST

[Revision Date: January 5, 2021]

This Transfer of Development Rights Review Submission Checklist is intended to assist the applicant in the planning process of preparing a TDR Review application for Planning Board action. The size of the project will determine the types of information required for review, therefore, a **pre-application conference** with the Planning Department to determine the list of items that must be completed is strongly encouraged.

If staff indicates the scope of the project requires Technical Review Committee Review, to apply, eight (8) folded copies of the site plan with scale of not less than 1"=50' or 1" =100' for larger site plans, need to be provided, along with payment of plan review fees.

Two weeks prior to Planning Board, three (3) full size and twelve (12) half size (11x17), folded, copies of the plan set and materials, including response to TRC comments, will be due. Abutter/Notice Fees will be invoiced and need to be paid 28 hours prior to the Planning Board meeting.

The applicant is cautioned that this checklist is only a guide and is not intended to be a complete list of all Subdivision/Site plan review requirements. Please refer to the Subdivision/Site Plan Review Regulations for full details.

APPLICANT: Knox Marsh Development, LLC File Number: _____

PROJECT TITLE: Sophie Drive

PROPERTY LOCATION: 1 Cold Spring Road Tax Map: H Lot: 47-A

	Where/How Provided	Reviewed
1. Completed and signed Application form	X	
2. Plan Review Fees are provided	X	
3. Electronic copy of the engineered/surveyed plan layout	X	
4. Electronic copy of supplementary materials and application	X	
5. Folded copies of site plan w/scale of not less than 1"=50' or 1"=100' for larger site plans, for TRC. Plans shall contain the following items as appropriate:	X	
Location map at appropriate scale	X	
Proposed Project name and title and Planning File #	X	
Date and scale	X	
Name and address of owners and/or applicants	X	
Location and widths of existing & proposed easements & right of ways	X	
Location and width of existing and proposed access/egress ways	X	
Existing and proposed buildings and structure locations and access	X	
Minimum building setbacks or build to lines on all lots	X	
Existing and proposed stormwater infrastructure/direction	X	
Neighborhood plan with unit counts	X	
Proposed landscaping	X	
Location of parking layout delineating spaces and arrangement; note addressing maximum required spaces	X	
Location, material and size of existing and proposed pavement area	X	
Location of solid waste disposal facilities (dumpster, pad and screening, etc.), including required screening	X	
All applicable Dover Common Site Plan/Subdivision notes	X	
Provide additional exhibits/technical data determined appropriate by the Planning Board or its staff as required	X	

REVIEWED BY: _____ DATE_____ TRC DATE_____

CITY OF DOVER, NEW HAMPSHIRE
PLANNING APPLICATION OWNER AUTHORIZATION

OWNER AUTHORIZATION

I/We hereby submit this application to the City of Dover / City of Dover Planning Board and attest that to the best of my knowledge all of the information on this application form and in the accompanying application materials and documentation is true and accurate. As applicant or as agent, I attest that I am duly authorized to act in this capacity.

Property Owner Name: Kit Bla

Signature(s) of Property Owner(s): _____ Date: 9-20-24

Signature of Applicant: _____ Date: _____
if different from owner

AUTHORIZATION TO ENTER SUBJECT PROPERTY

I/We hereby submit this application to the City of Dover Planning Board and attest that to the best of my knowledge all of the information on this application form and in the accompanying application materials and documentation is true and accurate. As applicant or as agent, I attest that I am duly authorized to act in this capacity..

Property Owner Name: Kit Bla

Signature(s) of Property Owner(s): _____ Date: 9-20-24

Signature of Applicant: _____ Date: _____
if different from owner

IF SIGN PERMIT, SIGN PERMIT APPLICATION INFORMATION

If the sign permit applicant is not the property owner, this form must be completed and included as part of application submission.

I have read this application and state that, to the best of my knowledge, the information provided is true and that the proposed sign(s) will comply with all applicable regulations in Section 170-32 of the Zoning Ordinance of the City of Dover and shall conform to the submitted materials and designs. Furthermore, after 90 days, any application still waiting information will be denied.

Address of Sign Location: _____

Sign Permit Application Type:
(check one)

- ☐ Permanent Sign
- ☐ Temporary Sign
- ☐ Community Sign

BERRY SURVEYING & ENGINEERING
335 Second Crown Point Road
Barrington, NH 03825
Phone: (603) 332-2863
Fax: (603) 335-4623
www.BerrySurveying.Com
crberry@metrocast.net
September 1, 2024

City of Dover Planning Board
Attention: Donna Benton, Director of Planning and Community Development
288 Central Ave
Dover, NH 03820

Re: Residential Transfer of Development (TDR) Site Plan & Lot Merger
Sophie Drive Extension
Project/TDR Narrative
5 Sherman Street, LLC (Owner)
Knox Marsh Development, LLC (Applicant)
1 Cold Springs Road, Tax Map H, Lot 47-A
Tax Map H, Lot 46-DRV (Sophie Drive)

Dear Mrs. Benton,

On behalf of our client, Knox Marsh Development, LLC, Berry Surveying & Engineering (BS&E) is submitting a proposed Residential TDR Site Plan and Lot Merger at 1 Cold Springs Road. The submission contains a Lot Merger Application, two TDR requests, one Environmental CUP request, and one Non-Environmental CUP request. There are no waivers requested as part of this application.

Background and General Narrative:

5 Sherman Street, LLC, owns the parcel known as 1 Cold Springs Road (Tax Map H, Lot 47-A). This parcel contains 117,574 Sq. Ft. (2.71 Ac.) within the R-40 zone, located off of Belamy Road. Berry Surveying & Engineering has conducted an on-site survey of the parcels which includes a topographic analysis and wetlands analysis. No wetlands were found on site as determined by John P. Hayes III, CWS, CSS. Tax Map H, Lot 47-A contains a single-family home built in 1973 located in the central/western portion of the property. The site is accessed via Cold Springs Road, which is partially located on the subject parcel. The existing single-family home is accompanied by a large garage, patio, and shed on site.

The site is located adjacent to Sophie Drive, which will be the proposed access to the subject parcel. The first +/- 320LF of Sophie Drive was constructed as a part of Dover Site Plan P21-66 and will be extended as part of this Site Plan. Reference to this Site Plan approval is referenced throughout the documents provided. The parcel is

located approximately 0.3 miles from the intersection of Bellamy Road and NH Route 108 to the south and approximately 0.7 miles from the intersection of Bellamy Road and NH Route 155 to the north.

Topographic conditions on site are sloping from the south to the north. Slopes greater than 20% exist in the southern portion of the site, and are man made from excavation over the life of the subject parcel. The site consists of sandy, excessively drained soils as shown on the Site Specific Soils Map by John P Hayes, III, CSS. The site is located within the R-40 Zone, located adjacent to another TDR project in Sophie/Banner Drive (P21-66). The site is subject to the steep slope conservation district for the steep slopes at the southern portion of the property.

A Lot merger is proposed between Tax Map H, Lot 47-A and Tax Map H, Lot 46-DRV (18,096 Sq. Ft., 0.42 Ac.) for the project. This creates a combined area between the parcels of 135,950 Sq. Ft. (3.12 Ac.). The area of Sophie Drive is not included within the unit density calculation, as this area was used in the density calculation for the Original Sophie Drive/Banner Drive project, Dover Planning File #P21-66.

The Proposal/TDR Requests:

Utilizing the TDR density calculation, this subject parcel can support two (2) units by right. The proposal is to construct eight (8) new single-family homes, four (4) multi-family units in a garage converted to a residential structure, along with the two-bedroom single-family home to remain for a total of thirteen (13) units. To support the unit density request, the eight, three-bedroom single family homes are proposed to be restricted to 1,400 Sq. Ft. The four, two-bedroom multi-family units are proposed to be restricted to HUD fair market rate. The applicant is requesting to reduce the 30' TDR buffer and utilize the TDR setbacks of 20' abut a street, 10' side, and 30' rear.

The abutting TDR project on Banner Drive provides a 30' TDR buffer as part of the perimeter, shown as Tax Map H, Lot 50-6. This mix of 1,400 Sq. Ft. single family unit construction is needed with the HUD restricted multi-family units to make the project financially feasible and allow more HUD restricted units to be constructed in Dover. The multi-family unit building will have the "barn" type architectural look that the applicant has constructed in other locations throughout the City of Dover. The single-family home architecture will be similar to the houses seen in the adjacent TDR Subdivision Plan for Banner Drive (P21-66).

The proposed units will be accessed from an extension of Sophie Drive, terminating in a cul-de-sac with parking provided. The total length of Sophie Drive will

be +/- 936 LF and 12' traveled lanes with curbing and raised sidewalk, which does not require a waiver for block length. Six-foot-wide sidewalks are proposed in areas adjacent to parking spaces along Sophie Drive. The existing single-family home will continue to utilize their driveway access from Cold Springs Road. The site proposes 30 paved and marked spaces, where a maximum of 25 is allowed. Due to the housing type proposed and project location outside of the Dover urban core, these additional parking spaces have been proposed. Please find Non-Environmental CUP package with full narrative and further explanation. Of the 30 spaces provided, three are EV ready spaces and two are accessible spaces. The accessible routes include the sidewalks adjacent to the accessible parking spaces.

In the southern portion of the subject parcel, areas of greater than 20% slope exist. In order to provide back yards for Units #5, 6, 7, & 8, a 2:1 cut slope extending into Tax Map H, Lot 50-6 is proposed. This parcel is owned by the applicant, Knox Marsh development, LLC. The applicant evaluated a retaining wall along the southern boundary line as an alternative. It is the feeling of BS&E that a 2:1 cut slope with proper stabilization will provide a safer and more visually appealing construction feature than an 8-12' tall retaining wall along the southern property line. Please find Environmental CUP package with full narrative and further explanation.

A robust stormwater management system is provided to support the Site Plan. Catch basins and drain manholes are provided to capture and convey stormwater to a water quality inlet for pretreatment. From the water quality inlet, stormwater is discharged into a Rain Garden w/ Infiltration. This infiltration rain garden is able to fully infiltrate the 25YR-25Hr storm event, as shown in the proposed drainage analysis. On the 50YR-24HR storm event, stormwater runoff crests the pond spillway by 0.03', and is conveyed to a level lip for distribution across Cold Springs Road. The comparative analysis found in the Drainage Narrative demonstrates a reduction in the peak rate and volume of runoff discharged to the northern property line at all design events, including the 100Yr-24HR storm event, which is not a requirement of the City of Dover.

Water main is proposed to be connected from Banner Drive, with an Easement proposed over a portion of Tax Map H, Lot 50-8 to allow for the connection and future maintenance of the main. The 8" CLDI main is terminated in a fire hydrant on the northern side of the cul-de-sac. A 4" CLDI waterline is tapped from the 8" line to support the fire and domestic lines needed for the multi-family units. All domestic services are 1" SDR 9.

Sewer is proposed to be addressed via septic tanks, pump chambers, and effluent forcemain lines. Each single-family home is equipped with a 1,250 gallon septic

tank, 1,000 gallon pump, chamber, and either a Liberty FL50 or FL 70 effluent pump. The Multi-family structure is provided with a 2,500 gallon septic tank, 1,500 gallon pump chambers and Liberty FL 70 effluent pumps. The 2" SDR 11 effluent forcemain lines on the southern and eastern sides of the site wye before the line is upgraded to 3" SDR 11 for the remainder of the line. An easement is proposed over Tax Map H, Lot 50-6 to allow for a sewer connection on Banner Drive.

Underground utilities are proposed on site, with transformers and junction boxes located on site. The connection will be taken from an existing utility pole PSNH304/3xa at the rear of Unit #2. Heating and cooling will be done via mini-splits. The Lighting Plan is able to provide in each calculation zone a minimum of 0.3 footcandles, a maximum of 1.2 footcandles, and a uniformity ratio of 4:1. No wavier is needed to support the Lighting Plan. The Landscaping plan provided exceeds the internal parking lot landscaping requirements. Plantings around the site include Red Maples, Douglas Firs, Boxwoods, Feather Reed Grasses, and Hydrangeas. Plantings are shown within the internal parking areas, along roadways, and along units.

The project requires the following approvals:

- Site Plan Approval
- Lot Merger Approval
- TDR Approval for increased unit density
- TDR Approval to use the TDR setbacks as opposed to the underlying R-40
- Non-Environmental CUP for parking spaces
- Environmental CUP for steep slope disturbance
- EPA Notice of Intent (NOI)
- NHDES Alteration of Terrain Permit
- NHDES Sewer Discharge Permit

Respectfully Submitted,
BERRY SURVEYING & ENGINEERING

Kevin R. Poulin, PE
Project Engineer

Christopher R. Berry, SIT
Principal, President

BERRY SURVEYING & ENGINEERING
335 Second Crown Pt. Rd., Barrington, NH 03825
(603) 332-2863 / (603) 335-4623 FAX
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City of Dover, New Hampshire
CONDITIONAL USE PERMIT APPLICATION

[Revision Date: October 19, 2020]

Office Use Only	Project #:		Date Received:	
	Amount Paid:		Time Received:	

APPLICANT AND OWNER INFORMATION

Name of Applicant: Knox Marsh Development, LLC Telephone # 603-742-2121

Address of Applicant: 242 Central Ave. Dover, NH 03820

E-Mail Address: Robert@centralfallsrealty.com

Name of Property Owner (if different from applicant): 5 Sherman Street LLC, Dove Development Group, LLC Telephone # 603-986-2373

Address of Property Owner: 242 Central Ave. Dover, NH 03820 (Both Owners)

PROPERTY INFORMATION

Assessor's Map # H Lot(s) # 47-A & 50-6

Address of Property: 1 Cold Springs Road & Banner Drive

Zoning District(s) R-40 Overlay District(s) Conservation, Steep Slope

Existing Use of Property: Single Family Home 47-A, Multi-family residential 50-6

CONDITIONAL USE PERMIT INFORMATION

Type of Conditional Use Permit (Check All That Apply):

☐ Conservation District	☐ RCM Use Overlay District	☐ Gateway District
☐ Groundwater Protection	☐ Off-Street Parking and Loading	☐ Alternative Treatment Center
☐ Wetland Protection District	☐ Central Business District	☐ Heritage Residential District

Describe Proposed Use or Activity That Requires Conditional Use Permit and Describe Any Impacts:

Please find attached narrative. Application for >20% slope disturbance.

List Any Associated State or Federal Permits That Have Been or Will Be Applied For and Indicate Their Status: NHDES Alteration of Terrain, NHDES Sewer Discharge, EPA NOI (Not yet Submitted)

Name of Professional That Prepared Plans: Kenneth A. Berry, PE, LLS

Address 335 Second Crown Point Road, Barrington, NH 03825 Telephone #: 603-332-2863

Professional License #: 14243 (PE), 805 (LLS) E-mail address: K.berry@berrysurveying.com crberry@metrocast.net

SIGNATURES

I/We hereby submit this application to the City of Dover Planning Board and attest that to the best of my knowledge all of the information on this application form and in the accompanying application materials and documentation is true and accurate. As applicant or as agent, I attest that I am duly authorized to act in this capacity.

Signature of Property Owner: _____ Date: 9-20-24

Signature of Applicant (if different from owner): _____ Date: _____

Signature of Agent: _____ Date: 9-20-24

AUTHORIZATION TO ENTER SUBJECT PROPERTY

I, and my successors, hereby authorize members of the Dover Planning Board, Planning Department and other pertinent City Departments and boards to enter my property for the purpose of evaluating this application, including performing inspections during the application phase, post-approval phase, construction phase and occupancy phase. It is understood that these individuals must use all reasonable care, courtesy, and diligence when on the property.

Signature of Property Owner: _____ Date: 9-20-24

CITY OF DOVER CONDITIONAL USE
LIST OF ABUTTERS

Pursuant to RSA 676:4, the State Law of New Hampshire, the City of Dover is required to notify the applicant, abutters (including holders of conservation easements), and any professional whose seal is on the plan, of the public hearing by certified mail, return receipt requested. Staff will provide the abutter information, while the applicant must provide accurate contact information for the owner, applicant and professional agents representing the project.

Owner:

TAX MAP	LOT #	PROPERTY OWNER	MAILING ADDRESS

Applicant (if different from owner):

APPLICANT NAME	APPLICANT COMPANY	MAILING ADDRESS

Surveyor and/or Engineer/Professional Agent:

NAME	COMPANY	MAILING ADDRESS

Conservation Easement Holder:

TAX MAP	LOT #	NAME OF EASEMENT HOLDER	MAILING ADDRESS

PLANNING BOARD FEE SCHEDULE/INVOICE

(Revised July 24, 2023)

Below are the fees associated with plan review and are subject to a nonrefundable application fee to cover administrative expenses. Please complete the information below and provide payment with your application submittal. Plan review fees shall be paid prior to technical review committee (TRC) being scheduled. For plans not requiring TRC review, fees are due 21 days prior to the Planning Board meeting. Staff will coordinate abutter/notice fees, which will be invoiced and must be paid 28 hours before the Planning Board meeting for an application to be heard. Fees shall be paid by cash or check made payable to "City of Dover".

A. Plan Review Fees

1. Application fee for the following (SELECT ALL THAT APPLY):

- ☐ SUBDIVISION Application fee $200.00 + $150.00 x # _____ new lots created = $_____
- ☐ LOT LINE ADJUSTMENT Application fee $200.00 + $100.00 X # ___ of lots involved = $_____
- ☐ TRANSFER OF DEVELOPMENT RIGHTS Application fee $200.00 = $_____
- ☐ SITE REVIEW – RESIDENTIAL Application fee $200.00+ $100.00 x # __ per dwelling unit =$_____
- ☐ SITE REVIEW – NON-RESIDENTIAL Application fee $200.00 + (not to exceed $10,000)
  - o New construction $.15 sq. ft. x # _____ sq. ft.= $_____
  - o Additions (new floor space) $.10 per sq. ft. x # _____sq. ft.= $_____
- ☐ MOTEL/HOTEL $35.00 x # ___ per lodging unit= $_____
- ☐ CHANGE OF USE Application fee $200.00 + (not to exceed $5,000)
  - o Existing floor spaces $.10 per sq. ft. x # _____ sq. ft. = $_____
- ☐ CONDITIONAL USE PERMIT Application fee $200.00 x # _____ per Application = $_____
- ☐ GRAVEL PIT/ EXCAVATIONS
  - o Application fee $50.00= $_____
  - o Permit fee $75.00= $_____
- ☐ EXTENSIONS/AMENDMENTS/WAIVERS FOR AN APPROVED PLAN Application fee $200.00 = $_____
- ☐ REQUEST FOR REZONING Application fee $200.00 = $_____
- ☐ DRIVEWAY WAIVER Application fee $200.00 = $_____
- ☐ TOTAL IMPERVIOUS PAVED AREA (for new development, roadways or additions to existing parking lots, (not to exceed $10,000)) Application fee of $200.00 is N/A if it is part of a Site Review or Subdivision Plan. $200.00 + $.07 per sq. ft. x # _____ sq. ft. = $_____

SUBTOTAL PLAN REVIEW FEE = $_____

AND

B. Abutter Notification/Mailing Labels - this office will create and print the abutter list and provide labels in triplicate for each abutter. The applicant/owner will review the list for accuracy and provide to us the engineer, architect, licensed land surveyor (LLS), licensed landscape architect (LLA) and/or soil scientist whose professional seal appears on the plan with names and addresses for notices.

- ☐ Applicant & Owner, engineer, architect, LLS, LLA and/or soil scientist
  - o Certified letters fee # _____ of x $10.00= $_____
- ☐ Certified letters fee: # of abutters _____ X $10.00= $_____
- ☐ First Class Mail fee (for individual owner of units within a condominium or other collective form of ownership): # of abutters _____ X $1.00= $_____
- ☐ Creating/Printing Abutter Labels in triplicate per sheet _____ x $10.00= $_____

C. **Foster's newspaper public notice fee $1**20.00 x # _____ applications = $_____

SUBTOTAL = $_____

TOTAL INVOICE AMOUNT = $_____

PLAN REVIEW FEE COLLECTED/PAID = $ _____

BALANCE DUE = $ _____

The amount due must be paid 28 hours prior to the Planning Board Meeting, to be heard.

BERRY SURVEYING & ENGINEERING
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Phone: (603) 332-2863
Fax: (603) 335-4623
www.BerrySurveying.Com

City of Dover Planning Board
288 Central Ave
Dover, NH 03820

September 1, 2024/Rev: Oct. 17, 2024

RE: Sophie Drive Extension
Knox Marsh Development, LLC
Dove Development Group, LLC
5 Sherman Street, LLC
TDR Site Plan – Environmental CUP Request
1 Cold Springs Road
Tax Map H, Lot 47-A (Subject Parcel)
Tax Map H, Lot 50-6

Mr. Hunt and the Dover Conservation Commission

Berry Surveying & Engineering (BS&E,) on behalf of Knox Marsh Development, LLC, respectfully requests the City of Dover Conservation Commission to accept the following Conditional Use Permits:

- CUP Request: Disturbance within area of greater than 20% slope for 2,000 Sq. Ft. The disturbance area is broken down by parcel, but is all part of the same cut slope. A total of 3,743 Sq. Ft. of 20% steep slopes is proposed to be disturbed on Tax Map H, Lot 47-1 and 3,402 Sq. Ft. of 20% steep slopes is proposed to be disturbed on Tax Map H, Lot 50-6.

1. *Identification of Conditional Use Permit*
   - Disturbance within the conservation district areas of slope greater than 20% for greater than 2,000 Sq. Ft. (2 locations within the same cut slope, permanent).

Regulations in the zoning ordinance do not allow for earth disturbance within the conservation district. However, Section 170-27.C states that a conditional use permit may be granted by the planning board, given the following standards, as shown below, are met. Below we show the project's compliance with the standards required to grant a Conditional Use Permit, and we provide justification for its approval.

2. *Compliance with the following standards*
   a) The APPLICANT shall demonstrate that the proposed use is essential to the productive use of land not in the district; is located and constructed to minimize any detrimental impact of such use upon the surface waters or other environmentally sensitive areas, where it is physically impossible to locate such

use on land not in the district; and economic advantage alone shall not be deemed a sufficient reason for such proposed use.

- With respect to the Impact Areas, this impact is proposed to create a properly stabilized cut slope adjacent to residential development. The site soils consist primarily of disturbed Windsor sandy soil, according to the Site Specific Soils Map provided by John P. Hayes, CWS, CSS. The subject parcel has seen incremental excavation of material over the years, leaving behind steep back cuts in the southern portion of the subject parcel. A retaining wall was contemplated along the southern boundary line. Given the required height of the wall adjacent to residential development, excavating the slope and properly stabilizing is viewed by BS&E to be the safer and more visually appealing option. There have been no wetlands on site identified by John P. Hayes, CWS, CSS. Proper Erosion & Sediment Control (E&SC) measures provided in the E&SC Plan will ensure offsite surface waters are not adversely affected by sediment from the development.

b) A soil erosion and sedimentation control plan is submitted and followed to verify the planned avoidance of sediment pollutant runoff to bodies of water.

A full erosion and sediment control plan has been submitted as part of this design. The excavation of this slope is proposed at 2:1 stabilized with North American Green SC 150BN natural fiber rolled erosion control blanket, loam, and conservation mix seed. Erosion Control Mulch berm is proposed at the toe of slope, with check dams in the conveyance swale at the toe of slope.
All necessary precautions will be taken to ensure that no sediment leaves the subject parcel.

c) Necessary state and federal approvals have been applied for. Said permits shall be received prior to the issuance of the Conditional Use Permit by the Planning Department.

- As part of this design, the applicant will be filing for a NHDES Alteration of Terrain Permit, among other state permits. Copies of the permits will be provided to the City when acquired.

d) A written review by the Conservation Commission of the environmental effects of the proposed use upon the area in question has been submitted. The Commission's review shall address the following, but is not limited to:

(i) attempted avoidance of the impact;

- In respect to the attempted avoidance of the impact area, a retaining wall was contemplated along the southern boundary line of Tax Map H, Lot 47-A. The height of this retaining wall would be approximately 8-12' tall, depending on the location. It is the feeling of BS&E that a retaining wall of this height directly adjacent to single family homes is not the best development solution. Considering these steep slopes are from excavation and not adjacent to surface waters or other natural resources, a cut slope disturbing these slopes is viewed by BS&E as the safest and most visually appealing development option.

(ii) minimization of the impact;

- In respect to the Impact Area, no additional steep slope area, other than what is necessary to property grade and stabilize the proposed slope, is proposed as part of this development. The steep slope area continuing to the south east of the subject parcel is not proposed to be disturbed.

(iii) planned mitigation of the effects of the impact; and

- Upon completion of the construction the disturbed areas will stabilized with conservation seed mix. Proper erosion & sediment control measures are to be installed during construction.

(iv) efficacy of the soil erosion and sedimentation control plan.
A full erosion and sediment control plan has been submitted as part of this design. The excavation of this slope is proposed at 2:1 stabilized with North American Green SC 150BN rolled erosion control blanket, loam, and conservation mix seed. Erosion Control Mulch berm is proposed at the toe of slope, with check dams in the conveyance swale at the toe of slope.

3. *Justification for approval of Conditional Use Permits*
The Impact Area is necessary to provide a properly stabilized cut slope adjacent to residential development. BS&E feels that the excavation of these steep slopes will provide a safer and more visually appealing

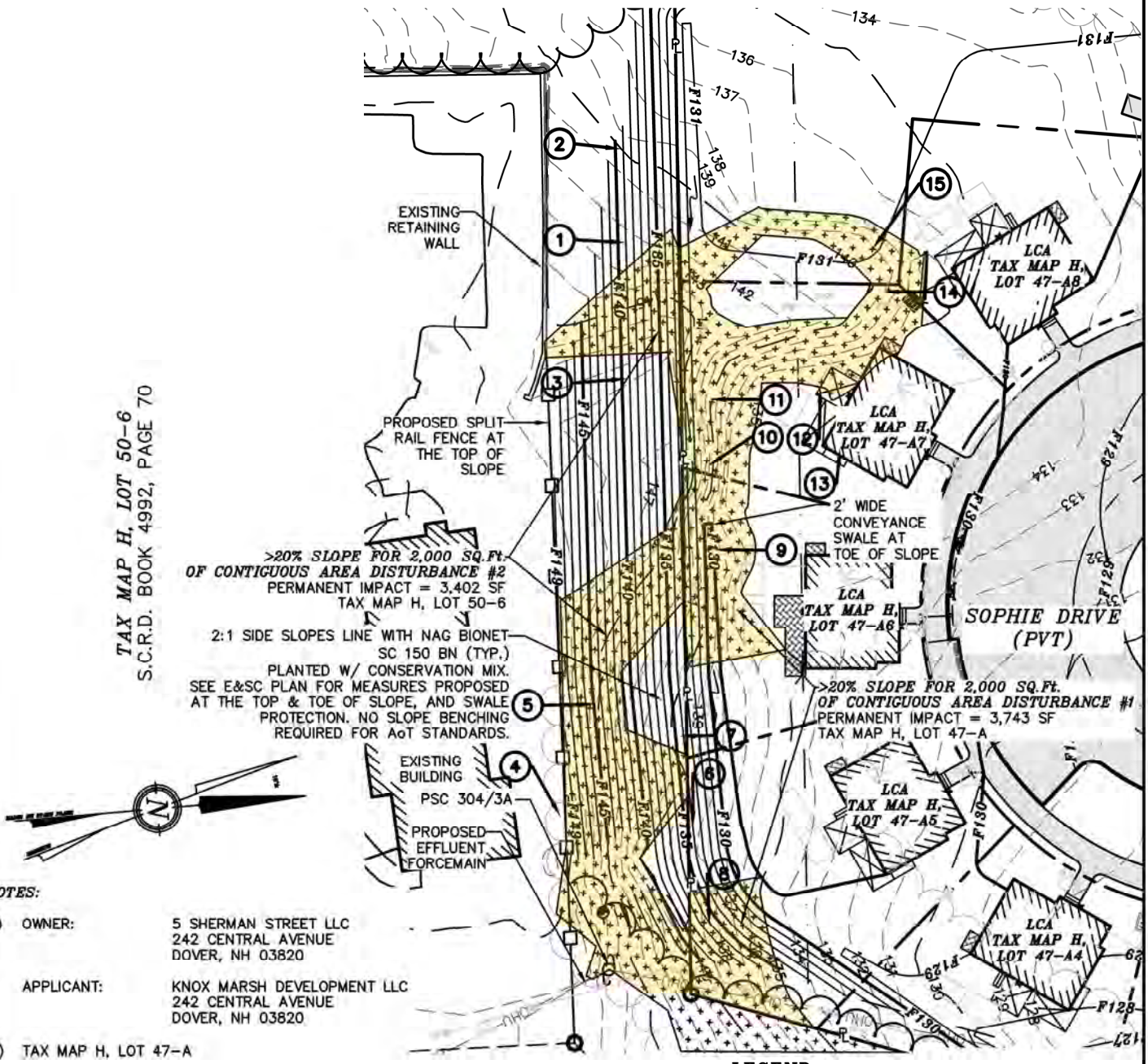
option than a retaining wall. As these steep slopes are from excavation and not adjacent to any surface water, no other adverse environmental impacts will occur from this activity.

BERRY SURVEYING & ENGINEERING

Kevin R. Poulin, PE
Project Engineer

Christopher R. Berry
Principal, President

BERRY SURVEYING & ENGINEERING
335 Second Crown Pt. Rd., Barrington, NH 03825
(603) 332-2863 / (603) 335-4623 FAX
www.BerrySurveying.Com



NOTES:

1.) OWNER: 5 SHERMAN STREET LLC
242 CENTRAL AVENUE
DOVER, NH 03820

APPLICANT: KNOX MARSH DEVELOPMENT LLC
242 CENTRAL AVENUE
DOVER, NH 03820

2.) TAX MAP H, LOT 47-A

3.) S.C.R.D. BOOK 5190, PAGE 597

4.) OWNER: DOVE DEVELOPMENT GROUP, LLC
242 CENTRAL AVENUE
DOVER, NH 03820

5.) TAX MAP H, LOT 50-6

6.) S.C.R.D. BOOK 4992, PAGE 70

LEGEND:

AREA OF GREATER THAN 20% SLOPE

>20% SLOPE DISTURBANCE

PHOTO LOCATION POINT

CONDITIONAL USE IMPACT AREA
STEEP SLOPE CONSERVATION DISTRICT
5 SHERMAN STREET, LLC
KNOX MARSH DEVELOPMENT, LLC
DOVE DEVELOPMENT GROUP, LLC
1 COLD SPRINGS ROAD
DOVER, N.H.
TAX MAP H, LOT 47-A
TAX MAP H, LOT 50-6

BERRY SURVEYING & ENGINEERING
335 SECOND CROWN POINT RD.
BARRINGTON , N.H. 332-2863

SCALE : 1 IN. EQUALS 40 FT.

DATE : OCTOBER 17, 2024

FILE NO. : DB 2023-126

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1 Cold Springs Rd, Dover
Tax Map H, Lot 47-A



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1 Cold Springs Rd, Dover
Tax Map H, Lot 47-A



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1 Cold Springs Rd, Dover
Tax Map H, Lot 47-A



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1 Cold Springs Rd, Dover
Tax Map H, Lot 47-A



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1 Cold Springs Rd, Dover
Tax Map H, Lot 47-A



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1 Cold Springs Rd, Dover
Tax Map H, Lot 47-A



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1 Cold Springs Rd, Dover
Tax Map H, Lot 47-A



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1 Cold Springs Rd, Dover
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City of Dover, New Hampshire
CONDITIONAL USE PERMIT APPLICATION

[Revision Date: October 19, 2020]

Office Use Only	Project #:		Date Received:	
	Amount Paid:		Time Received:	

APPLICANT AND OWNER INFORMATION

Name of Applicant: Knox Marsh Development, LLC Telephone # 603-742-2121

Address of Applicant: 242 Central Ave. Dover, NH 03820

E-Mail Address: Robert@centralfallsrealty.com

Name of Property Owner (if different from applicant): 5 Sherman Street LLC, Dove Development Group, LLC Telephone # 603-986-2373

Address of Property Owner: 242 Central Ave. Dover, NH 03820 (Both Owners)

PROPERTY INFORMATION

Assessor's Map # H Lot(s) # 47-A & 50-6

Address of Property: 1 Cold Springs Road & Banner Drive

Zoning District(s) R-40 Overlay District(s) Conservation, Steep Slope

Existing Use of Property: Single Family Home 47-A, Multi-family residential 50-6

CONDITIONAL USE PERMIT INFORMATION

Type of Conditional Use Permit (Check All That Apply):

☐ Conservation District	☐ RCM Use Overlay District	☐ Gateway District
☐ Groundwater Protection	☒ Off-Street Parking and Loading	☐ Alternative Treatment Center
☐ Wetland Protection District	☐ Central Business District	☐ Heritage Residential District

Describe Proposed Use or Activity That Requires Conditional Use Permit and Describe Any Impacts:

Please find attached narrative. Application for parking spaces over the maximum allowed.

List Any Associated State or Federal Permits That Have Been or Will Be Applied For and Indicate Their Status: NHDES Alteration of Terrain, NHDES Sewer Discharge, EPA NOI (Not yet Submitted)

Name of Professional That Prepared Plans: Kenneth A. Berry, PE, LLS

Address 335 Second Crown Point Road, Barrington, NH 03825 Telephone #: 603-332-2863

Professional License #: 14243 (PE), 805 (LLS) E-mail address: K.berry@berrysurveying.com crberry@metrocast.net

SIGNATURES

I/We hereby submit this application to the City of Dover Planning Board and attest that to the best of my knowledge all of the information on this application form and in the accompanying application materials and documentation is true and accurate. As applicant or as agent, I attest that I am duly authorized to act in this capacity.

Signature of Property Owner: _____ Date: 9-20-24

Signature of Applicant (if different from owner): _____ Date: _____

Signature of Agent: _____ Date: 9-20-24

AUTHORIZATION TO ENTER SUBJECT PROPERTY

I, and my successors, hereby authorize members of the Dover Planning Board, Planning Department and other pertinent City Departments and boards to enter my property for the purpose of evaluating this application, including performing inspections during the application phase, post-approval phase, construction phase and occupancy phase. It is understood that these individuals must use all reasonable care, courtesy, and diligence when on the property.

Signature of Property Owner: _____ Date: 9-20-24

CITY OF DOVER CONDITIONAL USE
LIST OF ABUTTERS

Pursuant to RSA 676:4, the State Law of New Hampshire, the City of Dover is required to notify the applicant, abutters (including holders of conservation easements), and any professional whose seal is on the plan, of the public hearing by certified mail, return receipt requested. Staff will provide the abutter information, while the applicant must provide accurate contact information for the owner, applicant and professional agents representing the project.

Owner:

TAX MAP	LOT #	PROPERTY OWNER	MAILING ADDRESS

Applicant (if different from owner):

APPLICANT NAME	APPLICANT COMPANY	MAILING ADDRESS

Surveyor and/or Engineer/Professional Agent:

NAME	COMPANY	MAILING ADDRESS

Conservation Easement Holder:

TAX MAP	LOT #	NAME OF EASEMENT HOLDER	MAILING ADDRESS

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City of Dover Planning Board
288 Central Ave
Dover, NH 03820

September 1, 2024/Rev: October 17, 2024

RE: Sophie Drive Extension
Knox Marsh Development, LLC
5 Sherman Street, LLC
TDR Site Plan – Non-Environmental CUP Request
1 Cold Springs Road
Tax Map H, Lot 47-A

Chairperson & Members of the Dover Planning Board:

Pursuant to Site Plan Regulations (Chapter 153) Berry Surveying & Engineering (BS&E), on behalf of Knox Marsh Development, LLC, respectfully requests the City of Dover Planning Board approve the following Conditional Use Permit:

- CUP Request: Greater than maximum allowable parking spaces.

Background:

Knox Marsh Development is looking to re-develop the site at 1 Cold Springs Road to contain eight (8) single family homes and four (4) multi-family housing units, in addition to the existing single-family home on site for a total of thirteen (13 units) within the R-40 zone. Access to the parcel will be obtained via the extension of Sophie Drive and the existing single-family home will continue to use the existing driveway off of Cold Springs Road. The first +/- 320 LF of Sophie Drive has been constructed as part of Dover Site Plan P21-66. The extension of Sophie Drive will be +/- 936 LF through the cul-de-sac. Parking is proposed along the cul-de-sac and roadway. The interior landscaping percentage is higher than the requirement for the number of parking spaces. Snow storage is provided on site at a ratio better than 6:1.

1. *Identification of Conditional Use Permit*

- Proposing 30 parking spaces where a maximum of 25 is allowed for a development that is a mix of single-family homes and multi-family units.

The Site Plan regulations require for residential uses in the non-CBD-G district a maximum number of 1.4 spaces per unit plus 0.5 guest spaces per unit, for a ratio of 1.9 parking spaces per unit. Thirteen units multiplied by 1.9 spaces/unit results in 25 parking spaces maximum. The applicant is proposing an increase of five parking

spaces to 30.

Below we show the project's compliance with the standards required to grant a Conditional Use Permit, and we provide justification for its approval.

1. Compliance with the following standards

1) The applicant shall submit an analysis justifying a request for increased parking requirements.
   - **The proposal requests an increase from the maximum allowed parking spaces from 25 to 30 spaces. In single family home developments where the homes have driveways and garages, typically this would provide a ratio of 3-4 parking spaces per single family home depending on the garage size. Assuming that the existing single-family home will utilize their existing driveway, this would leave 30 parking spaces for 8 single family homes and 4 multi-family units. Utilizing 2.5 spaces per single family home and 2.5 parking spaces per multi-family unit results in 30 parking spaces (two accessible and three EV spaces provided) as part of the 30 provided. With the subject parcel being located in the R-40 zone, outside of the urban core, BS&E feels the number of parking spaces proposed is adequate for the proposed use.**

2) The conditional use permit application shall describe why increased parking is essential to each use.
   - **This increase of in parking spaces over the maximum will allow the site the properly support the anticipated parking demand for a site of this type within the R-40 zone. Given the lack of on-street parking in the cul-de-sac area, additional parking spaces are essential to the use.**

3) The applicant must show that the use(s) cannot be adequately served by a combination of on-and off-street parking.
   - **The land use cannot be adequately served by a combination of on and off-street parking. On street parking within Sophie Drive does not provide opportunities to park on the street within the cul-de-sac**

area. If residents were to need to park at the beginning of Sophie Drive, in the area of the proposed retaining wall, the majority of the units are several hundred feet away from this area. On Street Parking on Bellamy Road is not feasible due to lack of shoulder and Bellamy Road is further away from the proposed units.

4) The applicant shall design and construct the additional vehicle storage areas, for additional parking requested, using pervious materials. The design of the area shall meet or exceed the standards developed and outlines in the New Hampshire Stormwater Manual. The applicant shall also be required to retain the design engineer as an inspector for the duration of the construction of the parking area.

- **The applicant is proposing a robust drainage system that includes an Infiltration Rain Garden, that contains an additional 0.5' of bio-media as a consideration of the wellhead protection zone the parcel is in. The Infiltration Rain Garden fully infiltrates the 25YR storm event and results in peak rate of runoff and volumetric decreases at the northern property line that receives runoff from the developed area. The stormwater BMP proposed provides an open water storage component for flooding that is not necessarily provided by porous pavement. The applicant is a managing member of Dove Development Group, LLC, which owns the abutting Banner Drive development to the south. It is very likely the same snow plowing crew would provide snow services for both developments. Given the abutting development is conventional pavement and Sophie Drive is proposed as conventional pavement, porous pavement is likely to be damaged if it was used in this application.**

5) The applicant shall contribute to improving electric vehicle infrastructure by using one of the following methods:
   a) For uses that typically result in at least two (2) hours or longer of parking which may include but is not limited to gathering places (restaurants and bars), retail/service, lodging, office, educational, medical, and outdoor recreation, the applicant shall provide one Level II

commercial electric vehicle charging station for every 10 parking spaces requested over the parking maximum. Electric vehicle charging station spaces shall comply with § 153-14D(3) unless determined otherwise by the Planning Board.

- **Dover Site Plan regulations require 5% of residential parking be ready for electric vehicle charging. With 30 proposed parking spaces, this results in 1.50 EV ready parking spaces to be required. With five additional parking spaces proposed over the 25 maximum, this would require an additional EV ready parking space. Three EV ready parking spaces, including one accessible, are proposed on site.**

b) For uses that do not typically result in at least two (2) hours or longer of activity, the applicant shall provide two (2) additional parking spaces that meet electric vehicle readiness requirements for every 10 parking spaces requested over the parking maximum.

- **See response for 5a above, as this land use results in parking times of greater than two hours.**

6) Additional level 1 commercial electric vehicle charging stations designated for employees, and not for public use, are encouraged.

- **This standard is not applicable for the proposed land use.**

7) There shall be no detrimental effect on surrounding properties by any proposal.

- **There will not be detrimental effect on surrounding properties with the addition of the extra parking spaces. The parking areas are contained within Sophie Drive. The robust stormwater management system provided fully infiltrates the 25YR storm event, with peak rate of runoff and volumetric reductions provided at the drainage point of analysis receiving runoff from the parking areas.**

2. Justification for approval of Conditional Use Permits

Given the project location within the R-40 zone, outside of the urban core, additional parking spaces are warranted to support the proposed use. Single family homes proposed do not contain a driveway or garage, reducing the number of parking spaces that a typical single-family home would have that has a driveway and garage. The multi-family housing units are likely to function like a single-family dwelling, where a ratio of greater than two parking spaces is more appropriate. The robust drainage system will ensure that there is no offsite drainage impact to abutting properties or surface water. Given that five of the proposed spaces consist of accessible and EV ready spaces, BS&E feels the ratio of parking provided is appropriate for the proposed land use in this location.

Thank you for your time and attention to this matter, and we hope you look favorably upon the request.

Respectfully Submitted,

BERRY SURVEYING & ENGINEERING

Kevin R. Poulin, PE
Project Engineer

Christopher R. Berry
Principal, President

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NOTICE OF MERGER

This notice of Merger is made this _____ day of _____, 202___. Be it known that Robert Baldwin, Managing Member of Both Parcels of Knox Marsh Development,LLC & 5 Sherman Street, LLC being the owner(s) of Tax Map H, Lot 46-DRV, a parcel described in deed Book 4844, Page 417 recorded at the Strafford County Registry of Deeds and Tax Map H, Lot 47-A, a parcel described in deed book 5190, page 597 recorded at the Strafford County Registry of Deeds has/have requested that said parcels be merged. The landowner(s) certify (ies) that the above described lots have at least one common boundary and are located in the City of Dover, NH, in the County of Strafford.

The above described lots shall not be conveyed as individual lots, but shall be conveyed as one. The intent is that any common boundaries between or among the lots shall be abandoned. The resulting merged lot may only be subdivided upon approval by the Planning Board based on the regulations existing at the time of application for the subdivision.

It is further understood that the above described lots shall be assessed as one lot for property tax evaluation purposes.

The owner(s) of the above described parcels has/have notified all mortgage holders for the above described parcels that said parcels are being merged and the owner(s) accepts full liability for this merger.

The Planning Board of the City of Dover, New Hampshire has signed this Notice of Merger as required by RSA 674:39-a and accepts no liability for this merger.

_____ _____
Owner Signature Witness

_____
(Print owner name)

_____ _____
Owner Signature Witness

_____
(Print owner name)

_____ _____
Owner Signature Witness

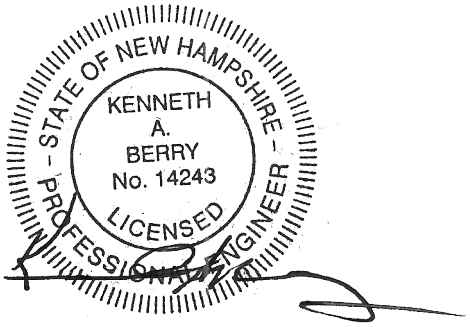
_____
(Print owner name)

_____ _____
Gina Cruikshank - Planning Board Chair Witness

BERRY SURVEYING & ENGINEERING
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September 1, 2024/Rev: October 17, 2024

City of Dover Planning Department
Attn: Director of Department of Planning &
Community Development: Mrs. Donna Benton
288 Central Ave.
Dover, NH 03820



RE: Traffic Impact Analysis & Distribution
Knox Marsh Development, LLC
5 Sherman Street, LLC
Tax Map H, Lot 47-A
1 Cold Springs Road/Sophie Drive
Dover, NH 03820

Ms. Benton,

Pursuant to the City of Dover Site Review Regulations, Berry Surveying & Engineering (BS&E), on behalf of Knox Marsh Development, LLC and 5 Sherman Street, LLC, has prepared a Standard Traffic Impact Analysis for the development of eight (8) new single-family homes in addition to one on site to remain and four (4) multi-family units on Tax Map H, Lot 47-A. The home on site will continue to use the existing Cold Springs Cold Road driveway, with the remaining twelve (12) units utilizing Sophie Drive. The point of analysis is the intersection of the existing site entrance, Sophie Drive, and Bellamy Road to determine the increase in trips proposed at Sophie Drive. This Traffic Impact Analysis (TIA) references data from the original Sophie Drive/Banner Drive TIA performed by BS&E in 2021, Dover Planning File #21-66.

The following conclusions were reached as a result Traffic Impact Analysis:

- A total of 8 vehicle trips (1 enter/7 exit) are predicted to occur at the weekday AM peak hour and 10 vehicle trips (6 enter/4 exit) at the PM peak hour from the extension of Sophie Drive only.
- A total of 25 vehicle trips (5 enter/20 exit) are predicted to occur at the weekday AM peak hour and 32 vehicle trips (20 enter/12 exit) at the PM peak hour from all of Sophie Drive.
- This is an increase of 8 weekday AM peak hour trips and 10 weekday PM peak hour trips.
- It is recommended that the surrounding infrastructure will be sufficient to handle the projected increase in vehicle trips and peak hour and all other hours.

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Proposed Development & Introduction

The proposal is to redevelop Tax Map H Lot 47A to contain a total of sixteen units. This includes the development of eight (8) new single-family homes, in addition to one on site to remain, and four (4) multi-family units in a four-plex style building. The proposed access to the site is a 24-foot-wide roadway, known as Sophie Drive, will be extended. The first +/- 320 feet of Sophie Drive was constructed as part of P21-66. Sophie Drive is 936 LF in length, including the proposed cul-de-sac. The existing single-family home on Lot 47-A, utilizes Cold Springs Road for egress, and will continue to do so in this Site Plan. The purpose of this analysis is to determine the maximum number of trips coming to and leaving the proposed project site during certain peak periods of the day. This information is then used in determining the impact on safety as it relates to the existing roadway infrastructure. The following components of the analysis are typical for a project of this size pursuant to the Institute of Traffic Engineers (ITE) manual.

Existing Conditions

Existing Site Description

Tax Map H, Lot 47A contains 2.71 Ac. of land and is occupied by a single-family home, large garage (to be converted to four-plex), with gravel driveway and Cold Springs Road. The lot is largely grassed, with perimeter portions of the lot wooded. The site is located in the R-40 zone, and is surrounded by single family homes. Located 0.2 miles to the north is Alumni Drive, with NH Route 16 accessed from the north and NH Route 108 accessed to the south. There are several residential driveways surrounding the site. The right-of-way for Sophie Drive abuts the subject parcel, where the proposed road extension will be made. Banner Drive, located off of Sophie Drive, was previously approved along with Sophie Drive as part of P21-66 and provides access to the remaining units off of Sophie Drive.

Bellamy Road Roadway Description

Bellamy Road is a two-lane minor arterial roadway, according to the NHDOT MS2 Transportation Management System (NHDOT). This portion of Bellamy Road runs north to south, directly connecting to NH Route 155, NH Route 9, and NH Route 16 to the north and NH Route 108 to the south. It has an Annual Average Daily Traffic (AADT) of approximately 6,497 (2023) divided between north and south in the data provided by the NHDOT.

Bellamy Road in the area of the project is composed of a twenty-four-foot-wide paved surface with ten foot travel lanes, variable width paved shoulders and curbing on the east and west sides of the road with a sidewalk on the eastern side of the roadway. There is centerline delineation and fog / edge lines provided. The posted speed limit of

the roadway is 30 miles per hour (MPH). The subject parcel is located next to the beginning of a school zone, which reduces the speed limit to 20 MPH during school times. The geometry of Bellamy Road is relatively flat and straight in the project location. There is a coast bus stop at the intersection of NH 108 and Bellamy Road which is ¼ of a mile south from the subject parcel.

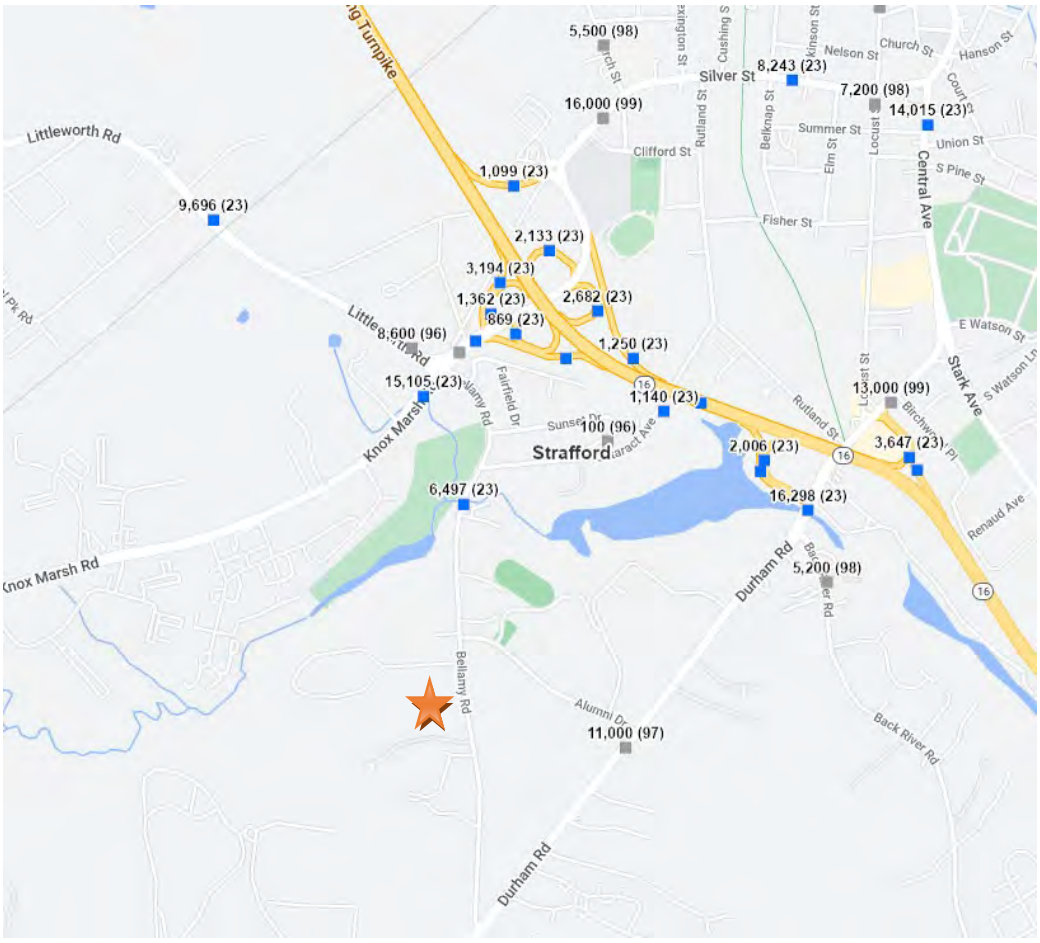


Figure 1: Bellamy Road with surrounding roadways (NHDOT)

Existing Traffic Volumes

It is important to note that this traffic analysis utilizes original traffic data from the P21-66 TIA to preserve assumptions and for consistency. The 2023 AADT shown by the NHDOT of 6,497 vehicle trips per day is less than the 2019 discussed below. According to traffic counts recorded the NHDOT for June 11th - 13th 2019, the Bellamy Road AM and PM weekday two-way peaks were 1,153 trips and 761 trips, respectively. It is shown by the NHDOT that this portion of Bellamy Road has an AADT of 6,952 vehicles (2019). Traffic counts provided by NHDOT only show two-way traffic volumes for these

recent dates. Without this directional data, an assumption has been made that 75% of traffic in the AM weekday peak hour travels to the north towards NH Route 16 and 25% travels south towards NH Route 108. It has also been assumed that during the PM weekday peak hour that 75% of traffic travels south from NH Route 16 and 25% travels north towards NH Route 16. NHDOT traffic counts from 2016 and 2013 were not used in determining a directional distribution because of the August traffic count time not coinciding with school generated traffic seen in the month of June. Using this 25/75 assumption results in the highest weekday peak hour traffic volume on this section of Bellamy Road northbound occurred from 7-8 AM with 865 vehicles and from 5-6 PM with 190 vehicles. Southbound highest weekday peak hour traffic volume occurred from 7-8 AM with 288 vehicles and from 5-6 PM with 571 vehicles. Traffic counts of Bellamy Road provided by the NHDOT are included in Appendix A as Figures 10-12.

Traffic Distribution Bellamy Road						
Date	Northbound		Southbound		Two-Way	
Tuesday 6/11/19	AM Peak	865	AM Peak	288	AM Peak	1153
	PM Peak	162	PM Peak	485	PM Peak	646
Wednesday 6/12/19	AM Peak	730	AM Peak	243	AM Peak	973
	PM Peak	190	PM Peak	571	PM Peak	761
Thursday 6/13/19	AM Peak	728	AM Peak	243	AM Peak	971
	PM Peak	147	PM Peak	441	PM Peak	588
Average Peak Hour Traffic	AM Peak	774	AM Peak	258	AM Peak	1063
	PM Peak	166	PM Peak	499	PM Peak	704
% Distribution	AM Peak	75.0	AM Peak	25.0		
	PM Peak	25.0	PM Peak	75.0		

Table 1: Assumed directional breakdown of trips occurring on Bellamy Road

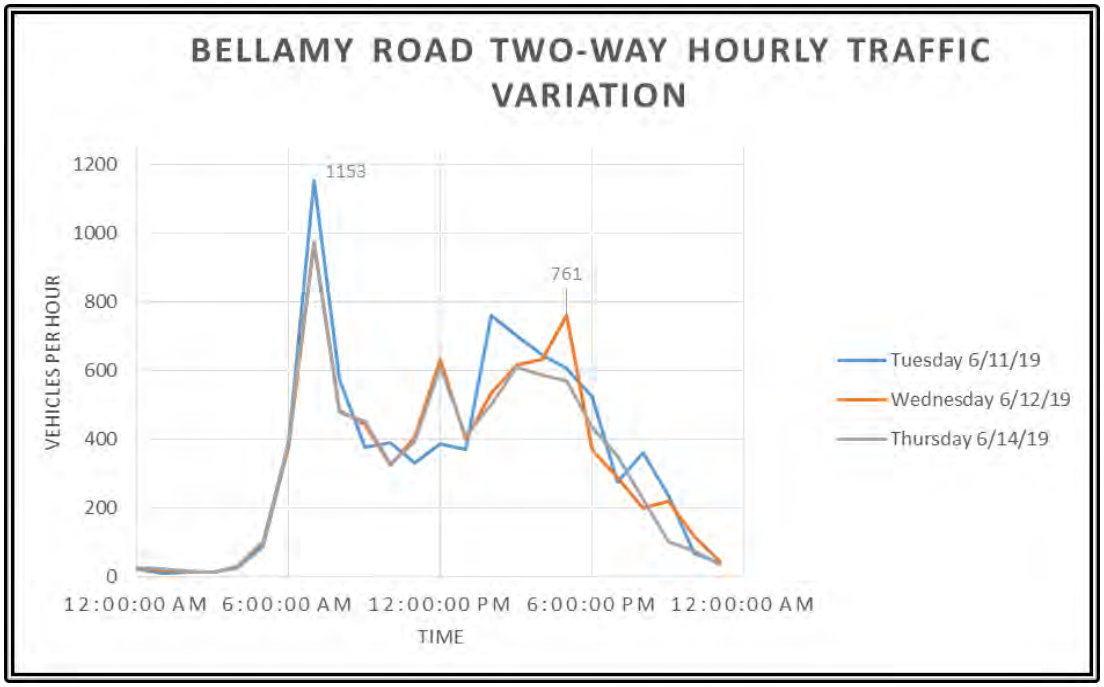


Figure 2: Graph of Bellamy Road two-way hourly variation

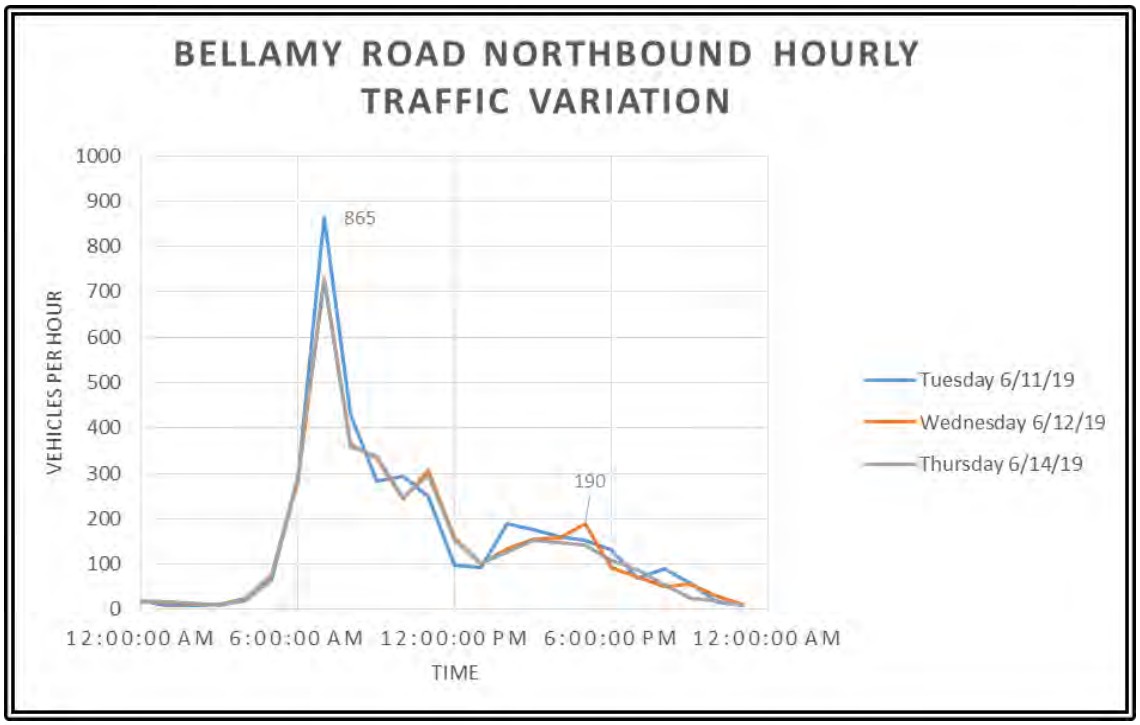


Figure 3: Graph of Bellamy Road northbound hourly variation with peak values

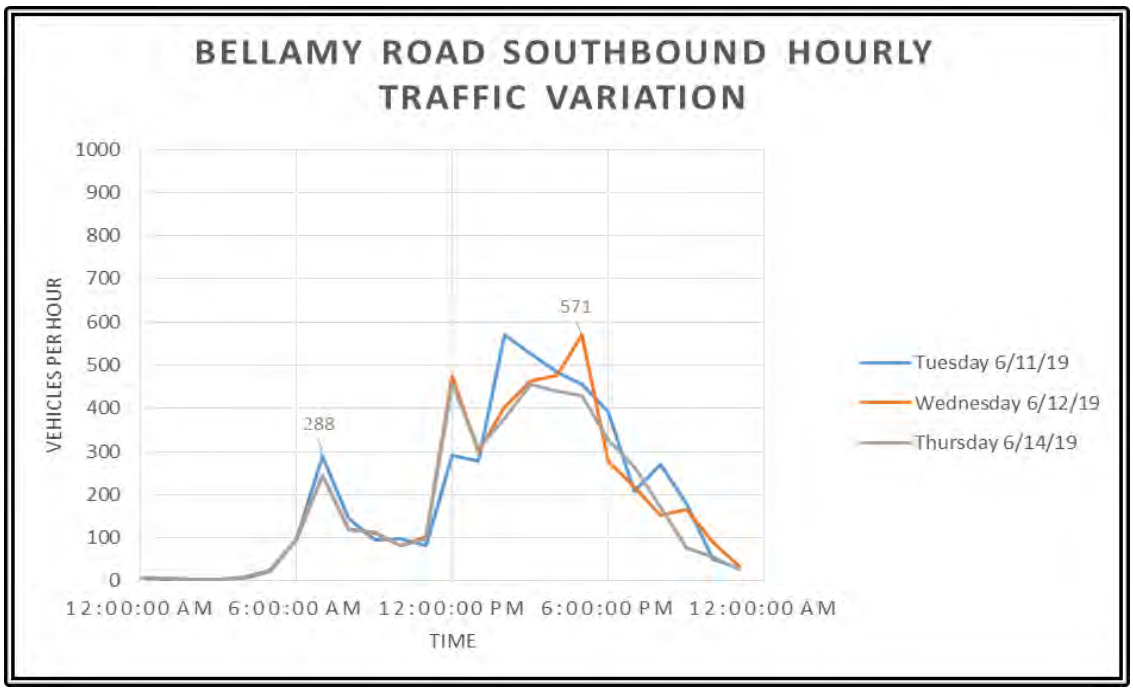


Figure 4: Graph of Bellamy Road southbound hourly variation with peak values

Traffic counts obtained from NHDOT in 2019 have been compared to 2021 traffic counts obtained by Pernaw & Company, Inc for a residential project proposed on Cataract Avenue that includes four apartment buildings (156 new dwelling units). Traffic counts were performed on June 10, 2021 and can be found in Appendix E under Supplemental Traffic Counts and Data[1]. The recently performed traffic counts have been adjusted with the proposed 156 dwelling units generation, generation from 10 single family lots on the recently approved Porch Light Drive project, and an estimate of student drivers from the Dover High School Senior class that may have been out of classes when the June 10th, 2021 traffic counts were performed. Table #2 shows the 2021 recorded traffic counts and the adjustment made from the previously mentioned factors.

	Northbound Vehicle Count Thursday 6/10/21		Southbound Vehicle Count Thursday 6/10/21		Two-Way Vehicle Count Thursday 6/10/21	
No-Build Condition Bellamy Road 2021 Count Pernaw	AM Peak	425	AM Peak	513	AM Peak	938
	PM Peak	403	PM Peak	286	PM Peak	689
Macintosh Commons Build Condition	AM Peak	434	AM Peak	522	AM Peak	956
	PM Peak	439	PM Peak	322	PM Peak	761
Porch Light Drive Build Condition	AM Peak	2	AM Peak	2	AM Peak	4
	PM Peak	3	PM Peak	2	PM Peak	5
Dover HS Senior Class Adjustment	AM Peak	120	AM Peak	120	AM Peak	240
	PM Peak	120	PM Peak	120	PM Peak	240
Peak Hour Adjusted Volumes Used in Analysis	AM Peak	556	AM Peak	644	AM Peak	1200
	PM Peak	562	PM Peak	444	PM Peak	1006
% Distribution	AM Peak	46.3	AM Peak	53.7		
	PM Peak	55.9	PM Peak	44.1		

Table 2: Adjustment of Pernaw & Company, Inc. 2021 Traffic Volumes Bellamy Road

The following table demonstrates the derivation of the Dover High School Senior class driving adjustment. In 2021, Dover High School has 1,319 students according to Publicschoolreview.com[2]. The assumption is made that approximately 25% of this population is Senior Students and assumed that 75% of Senior Students drive to school. Based upon this assumption, the ratio of AADT between NH Route 155 and Central Avenue is analyzed to determine a directional distribution volume. Using data from NHDOT, the Central Avenue and NH Route 155 AADTs are shown and a distribution of student direction is determined.

			Estimated Driving High School Seniors: 245	
Central Avenue AADT (2019):	18,047			
NH Route 155 AADT (2019):	17,366			
Combined AADT	35,413		Percentage	Value
Percent enter generated from Central Avenue			51.0	125
Percent enter generated from NH Route 155			49.0	120
Percent exit generated to Central Avenue			51.0	125
Percent exit generated to NH Route 155			49.0	120

Table 3: Dover Senior Student Volume Adjustment

Accouting for the three different peak hour adjustments of Macintosh Commons growth, Porch Light Drive growth, and potential Dover High School Senior Students, 2021 AM and PM Peak hour northbound traffic volumes utilized are 556 and 562, respectively. Southbound 2021 AM and PM traffic volumes utilized are 664 and 444, respectively. The data obtained from Stephew G. Pernaw & Company, Inc. is also the perfered data set due to the availibility of a directional distrubution as opposed to utilizing the assumed distribution. While considering this factor, a comparison of the 2021 recorded traffic volumes compared to the data obtained from the NHDOT still shows the varibility of traffic volumes that are experienced in this roadway.

[1] Stephen G. Pernaw & Company, Inc., *Traffic Impact Assessment Proposed Residential Development, Dover, NH*, Prepared for Baker Properties, LLC. July 2021.

[2] Dover Senior High School (2021-22 Ranking): Dover, NH. (n.d.). Retrieved from https://www.publicschoolreview.com/dover-senior-high-school-profile

Existing Vehicle Speeds

As previously mentioned, the posted speed limit of Bellamy Road is 30 MPH. For the purposes of the safety analysis below, the 85th percentile of speed is required. This particular section of Bellamy Road was observed by Berry Surveying & Engineering to analyze the pass by traffic, reviewing speed. Most operators obeyed the posted speed limits within a deviation of 10 MPH. This is consistent with speeds found on urban roads. The 85th percentile derived by observation and consistency with general practice is 40 MPH. As a conservative estimate, this 85th percentile speed of 40 MPH is used during school time and the AM weekday peak hour.

Existing Trip Generation (Sophie Drive)

Utilizing the data from the TIA provided in P21-66, the 10th Edition ITE Trip Generation Manual was used to determine the existing volume of trips, as well as the percentage of entrance-to-exit traffic experienced during the AM & PM peak hours between 7 and 9 AM and 4 and 6 PM. Land Use Codes Single Family Detached Housing (210) and Multifamily Housing (Low-Rise) (220) was used in deriving the trip generation for the existing site. Tables 4 - 7 provide average trip rate, total trips generated, enter to exit ratio, and the enter to exit distribution of the original approval. The 11th Edition of the ITE manual has not been utilized for the existing trip generation to preserve the assumptions made in the original TIA.

<u>Single Family Detached Housing:</u>

Time Method	Weekday Total (Page 2) Dwelling Units			Time Method	AM Peak Adj. Street (Page 3) Dwelling Units			Time Method	PM Peak Adj. Street (Page 4) Dwelling Units		
# Units	12			# Units	12			# Units	12		
Avg. Rate	9.44			Avg. Rate	0.74			Avg. Rate	0.99		
Total Trips	113.3			Total Trips	8.9			Total Trips	11.9		
% Enter	50.0	Total Enter	56.6	% Enter	25.0	Total Enter	2.2	% Enter	63.0	Total Enter	7.5
% Exit	50.0	Total Exit	56.6	% Exit	75.0	Total Exit	6.7	% Exit	37.0	Total Exit	4.4

Table 4: (Single Family Detached) Peak hr of adjacent street traffic AM, PM, & weekday total

Multi-Family Housing (Low-Rise):

Time Method	Weekday Total (Page 2) Dwelling Units			Time Method	AM Peak Adj. Street (Page 3) Dwelling Units			Time Method	PM Peak Adj. Street (Page 4) Dwelling Units		
# Units	16			# Units	16			# Units	16		
Avg. Rate	7.32			Avg. Rate	0.46			Avg. Rate	0.56		
Total Trips	117.1			Total Trips	7.4			Total Trips	9.0		
% Enter	50.0	Total Enter	58.6	% Enter	23.0	Total Enter	1.7	% Enter	63.0	Total Enter	5.6
% Exit	50.0	Total Exit	58.6	% Exit	77.0	Total Exit	5.7	% Exit	37.0	Total Exit	3.3

Table 5: (Single Family Detached) Peak hr of adjacent street traffic AM, PM, & weekday total

Originally Proposed Trip Generation:

Time Method	Weekday Total (Page 2) Dwelling Units			Time Method	AM Peak Adj. Street (Page 3) Dwelling Units			Time Method	PM Peak Adj. Street (Page 4) Dwelling Units		
Total Trips	230.4			Total Trips	16.2			Total Trips	20.8		
% Enter	50.0	Total Enter	115.2	% Enter	24.1	Total Enter	3.9	% Enter	63.0	Total Enter	13.1
% Exit	50.0	Total Exit	115.2	% Exit	75.9	Total Exit	12.3	% Exit	37.0	Total Exit	7.7

Table 6: Additional proposed trip generation from the project site during AM, PM, & weekday total

Originally Approved Trip Generation (Included ex single family home on site):

Time	Weekday Total Sophie Drive			Time	AM Peak Hour Sophie Drive			Time	PM Peak Hour Sophie Drive		
Total Trips	239.8			Total Trips	17.0			Total Trips	21.8		
% Enter	50	Total Enter	119.9	% Enter	24.1	Total Enter	4.1	% Enter	63.0	Total Enter	13.8
% Exit	50	Total Exit	119.9	% Exit	75.9	Total Exit	12.9	% Exit	37.0	Total Exit	8.1

Table 7: Proposed trip generation from the project site Saturday & Sunday peak hour

Proposed Trip Generation (Sophie Drive)

The 11th Edition ITE Trip Generation Manual was used to determine the proposed volume of trips. Included is the percentage of entrance-to-exit traffic experienced during the weekday AM & PM peak hours between 7 and 9 AM, 4 and 6 PM, and total weekday volume. Land Use Code Single Family Detached Housing (210) and Single-Family Attached Housing (215) was used in deriving the additional proposed trip generation from the project site. Tables 8-11 provide average trip rate, total trips generated, enter to exit ratio, and the enter to exit distribution. Table 12 provides the difference in trip generation for Sophie Drive from the constructed condition to the proposed condition. The existing single-family home on Cold Springs Road will continue to utilize the existing driveway and will not utilize Sophie Drive.

Single Family Detached Housing:

Time Method	Weekday Total Dwelling Units			Time Method	AM Peak Adj. Street Dwelling Units			Time Method	PM Peak Adj. Street Dwelling Units		
# Units	8			# Units	8			# Units	8		
Avg. Rate	9.43			Avg. Rate	0.70			Avg. Rate	0.94		
Total Trips	75.0			Total Trips	6.0			Total Trips	8.0		
% Enter	50.0	Total Enter	38.0	% Enter	25.0	Total Enter	1.0	% Enter	63.0	Total Enter	5.0
% Exit	50.0	Total Exit	37.0	% Exit	75.0	Total Exit	5.0	% Exit	37.0	Total Exit	3.0

Table 8: (Single Family Detached) Peak hr of adjacent street traffic AM, PM, & weekday total

Single-Family Attached Housing:

Time Method	Weekday Total Dwelling Units			Time Method	AM Peak Adj. Street Dwelling Units			Time Method	PM Peak Adj. Street Dwelling Units		
# Units	4			# Units	4			# Units	4		
Avg. Rate	7.2			Avg. Rate	0.48			Avg. Rate	0.57		
Total Trips	49.0			Total Trips	2.0			Total Trips	2.0		
% Enter	50.0	Total Enter	14.0	% Enter	25.0	Total Enter	0.0	% Enter	59.0	Total Enter	1.0
% Exit	50.0	Total Exit	15.0	% Exit	75.0	Total Exit	2.0	% Exit	41.0	Total Exit	1.0

Table 9: (Single Family Detached) Peak hr of adjacent street traffic AM, PM, & weekday total

Total Additional Proposed Trip Generation:

Time Method	Weekday Total Dwelling Units			Time Method	AM Peak Adj. Street Dwelling Units			Time Method	PM Peak Adj. Street Dwelling Units		
Total Trips	124.0			Total Trips	8.0			Total Trips	10.0		
% Enter	50.0	Total Enter	52.0	% Enter	12.5	Total Enter	1.0	% Enter	60.0	Total Enter	6.0
% Exit	50.0	Total Exit	52.0	% Exit	87.5	Total Exit	7.0	% Exit	40.0	Total Exit	4.0

Table 10: Additional proposed trip generation from the project site during AM, PM, & weekday total

Total Existing & Proposed Trip Generation:

Time Method	Weekday Total Dwelling Units			Time Method	AM Peak Adj. Street Dwelling Units			Time Method	PM Peak Adj. Street Dwelling Units		
Total Trips	354.4			Total Trips	24.2			Total Trips	30.8		
% Enter	50.0	Total Enter	167.2	% Enter	20.3	Total Enter	4.9	% Enter	62.0	Total Enter	19.1
% Exit	50.0	Total Exit	167.2	% Exit	79.7	Total Exit	19.3	% Exit	38.0	Total Exit	11.7

Table 11: Proposed trip generation from the project site AM, PM, & weekday total

Changes in Trip Generation:

Changes in Trip Generation	
Time	# Trips Increased
Weekday AM Peak	8.0
Weekday PM Peak	10.0

Table 12: Changes in trip generation on Sophie Drive

Build Traffic Projections and Turning Analysis

Traffic data obtained from Pernaw & Company, Inc in 2021 has been projected to 2025 and ten years further to 2035. This has been done using a June peak seasonal adjustment factor of 1.02 (AM, PM) and using an annual growth rate of 1%, compounded annually. The derivation of the peak seasonal adjustment factor comes from an average series of values from other urban highways from across New Hampshire, which can be found as Table 15 in Appendix B. Figures 5 and 6 show the build turning movements to and from the proposed site during weekday AM and PM peak hours. These figures also show the projected volume of traffic northbound and southbound on Bellamy Road for 2025 and 2035. This is included as Table 16 & Table 17 in Appendix B. A visual of these turning movements is shown in the following figures.

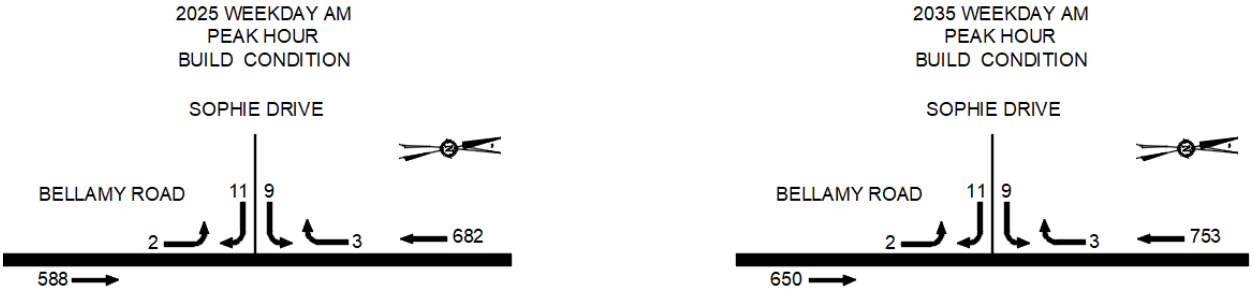


Figure 5: 2025 & 2035 build projected traffic volumes & turn movement weekday AM peak

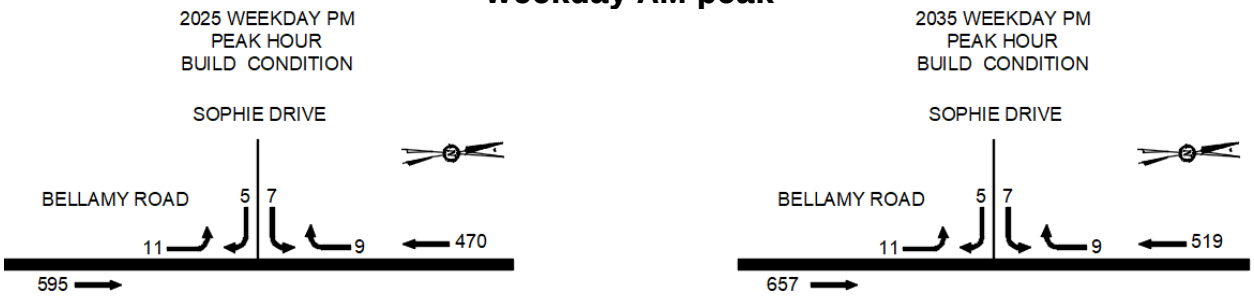


Figure 6: 2025 & 2035 build projected traffic volumes & turn movement weekday PM peak

Tables 13 & 14 show in a tabular format the total trips that are calculated to occur to and from the proposed site entrance are shown at the weekday peak hours analyzed in a build situation. These trips are further broken down into enter and exit to and from the site as well as percentage of left and right turns. It can be seen that the extension of Sophie Drive accounts for approximately 1/3 of the total trip generation.

Time	AM Peak Hour	# Trips	Turn Type	% Distribution
Total Trips	25.0			
Trips Enter from Bellamy Road Northbound		2.4	Left	9.5
Trips Enter from Bellamy Road Southbound		2.7	Right	11.0
Trips Exit to Bellamy Road Northbound		9.2	Left	36.9
Trips Exit to Bellamy Road Southbound		10.7	Right	42.7

Table 13: Weekday AM peak hour total build turning movements to and from Sophie Drive

Time	PM Peak Hour	# Trips	Turn Type	% Distribution
Total Trips	31.8			
Trips Enter from Bellamy Road Northbound		11.0	Left	34.7
Trips Enter from Bellamy Road Southbound		8.7	Right	27.4
Trips Exit to Bellamy Road Northbound		6.7	Left	21.2
Trips Exit to Bellamy Road Southbound		5.3	Right	16.7

Table 14: Weekday PM peak hour total build turning movements to and from Sophie Drive

Sight Distance and Safety Analysis

Sight distance on Bellamy Road to the north and south, as well as roadway alignment are the two determining factors of safety. For the proposed entrance, sight distance to the north un-obstructed for well over 305 feet (measured), while sight distance to the south is un-obstructed for well over 305 feet (measured). In this instance both the northerly and southerly sight distances meet and exceed the standard AASHTO 40MPH standard practice of 305 feet. There are no improvements required to obtain this sight distance. This Sight Distance Plan for Sophie Drive is provided as part of the original P21-66 plan set.

With respect to general safety of Bellamy Road in relation to the peak hour trip generation and AADT, it is our assessment that the cross section of pavement and shoulder widths are appropriate.

*****AASHTO Geometric Design of Highways and Streets (2018)

Conclusions and Recommendations

1.) A total of 8 vehicle trips (1 enter/7 exit) are predicted to occur at the weekday AM peak hour and 10 vehicle trips (6 enter/4 exit) at the PM peak hour from the extension of Sophie Drive only.

2.) A total of 25 vehicle trips (5 enter/20 exit) are predicted to occur at the weekday AM peak hour and 32 vehicle trips (20 enter/12 exit) at the PM peak hour from all of Sophie Drive.

3.) This is an increase of 8 weekday AM peak hour trips and 10 weekday PM peak hour trips.

4.) It is recommended that the surrounding infrastructure will be sufficient to handle the projected increase in vehicle trips and peak hour and all other hours.

Respectfully Submitted,

BERRY SURVEYING & ENGINEERING

Christopher R. Berry, SIT
Principal, President

Kenneth A. Berry, PE, LLS,
CPSWQ, CPESC, CESSWI
Principal, VP-Technical Operations

KRP/krp

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Appendix A

Traffic Counts

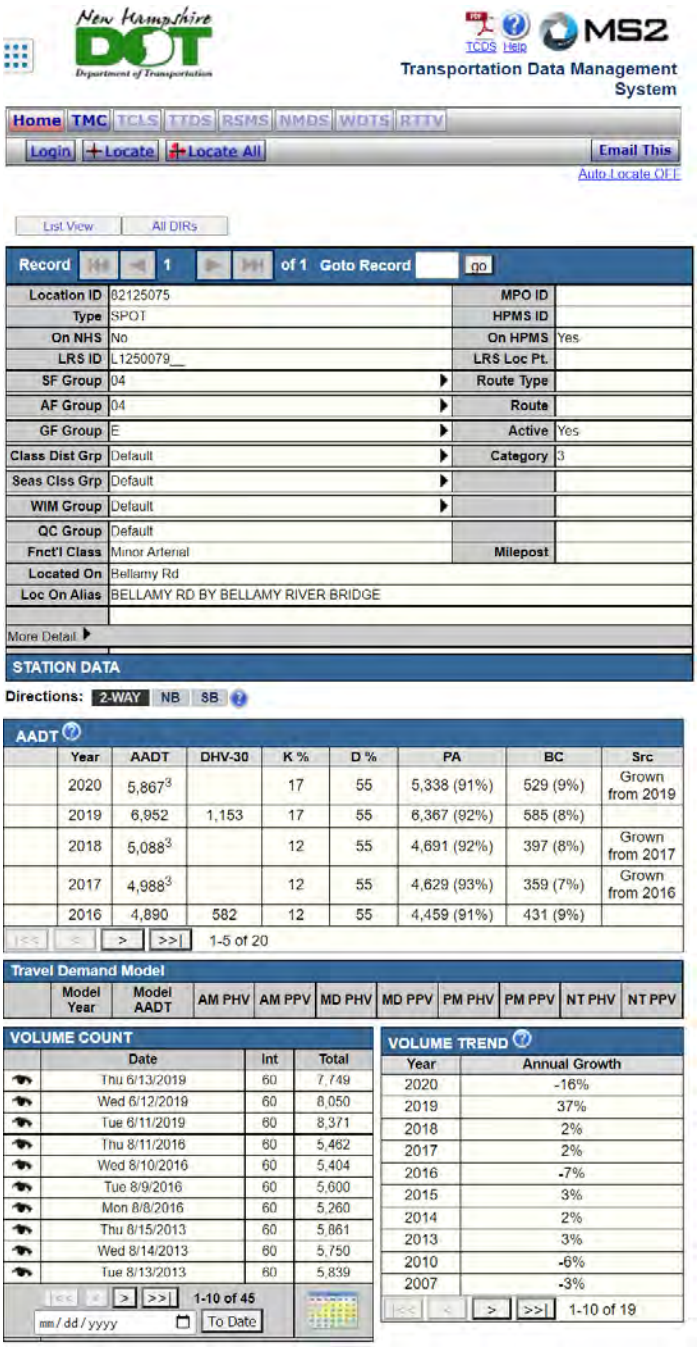
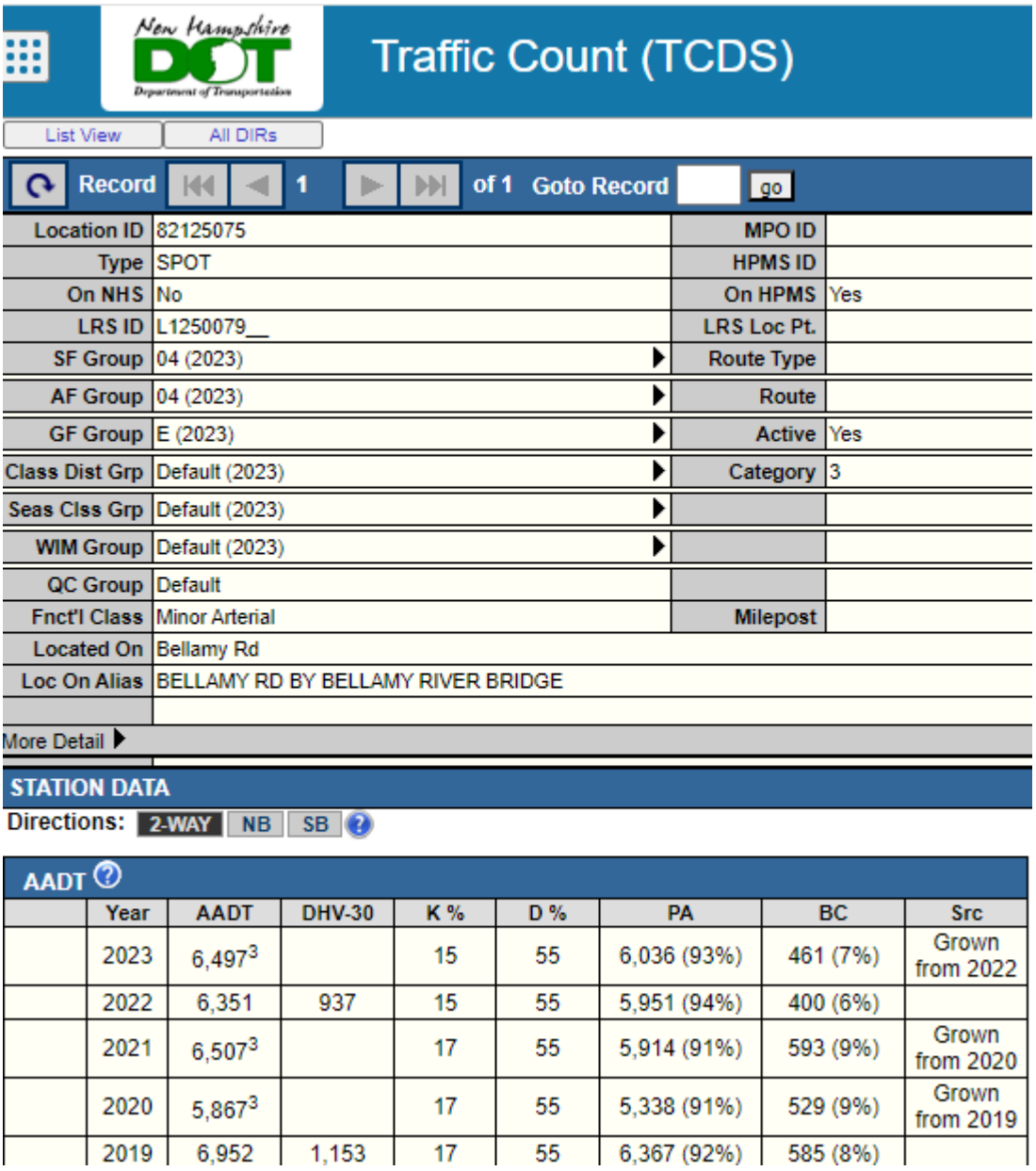


Figure 7: History of AADT values and classification for Bellamy Road (2020)



New Hampshire DOT — Department of Transportation

Traffic Count (TCDS)

List View | All DIRs

Record 1 of 1 Goto Record go

Location ID	82125075	MPO ID	
Type	SPOT	HPMS ID	
On NHS	No	On HPMS	Yes
LRS ID	L1250079__	LRS Loc Pt.	
SF Group	04 (2023)	Route Type	
AF Group	04 (2023)	Route	
GF Group	E (2023)	Active	Yes
Class Dist Grp	Default (2023)	Category	3
Seas Clss Grp	Default (2023)		
WIM Group	Default (2023)		
QC Group	Default		
Fnct'l Class	Minor Arterial	Milepost	
Located On	Bellamy Rd		
Loc On Alias	BELLAMY RD BY BELLAMY RIVER BRIDGE		

More Detail

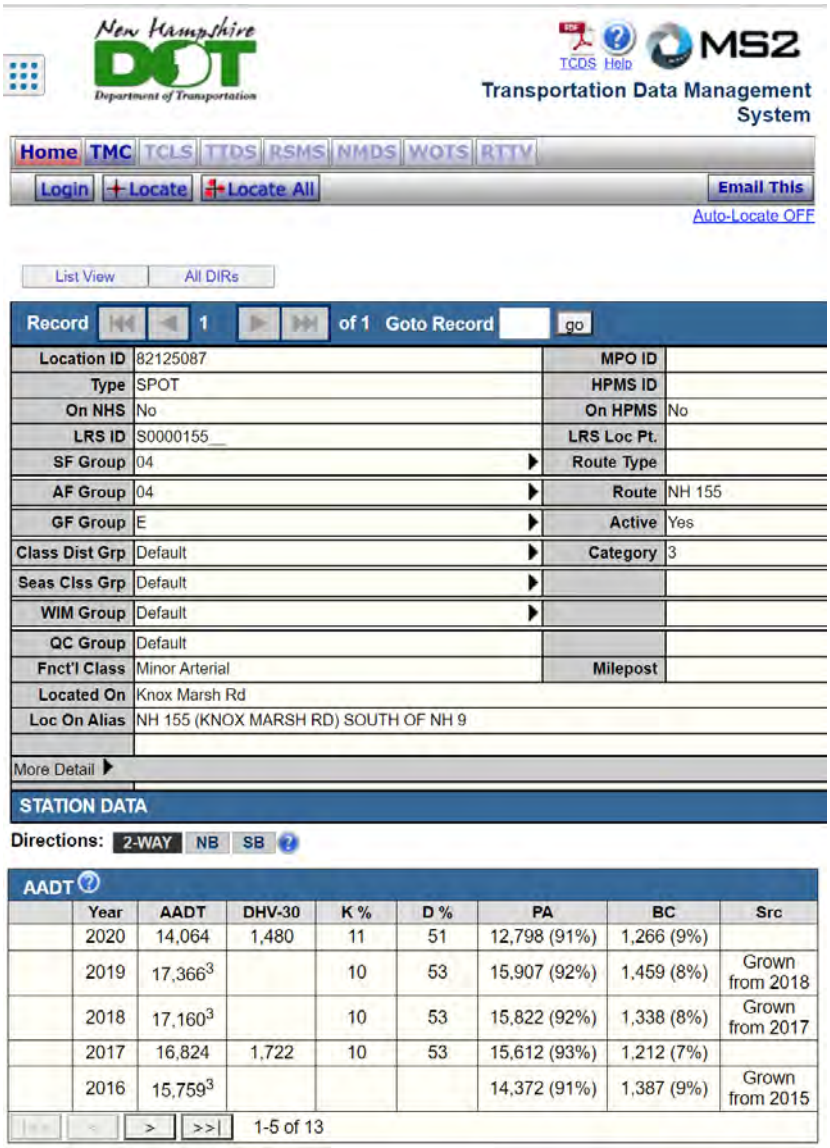
STATION DATA

Directions: 2-WAY | NB | SB

AADT

Year	AADT	DHV-30	K %	D %	PA	BC	Src
2023	6,497[3]		15	55	6,036 (93%)	461 (7%)	Grown from 2022
2022	6,351	937	15	55	5,951 (94%)	400 (6%)	
2021	6,507[3]		17	55	5,914 (91%)	593 (9%)	Grown from 2020
2020	5,867[3]		17	55	5,338 (91%)	529 (9%)	Grown from 2019
2019	6,952	1,153	17	55	6,367 (92%)	585 (8%)	

Figure 8: History of AADT values and classification for Bellamy Road (2023)



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Record 1 of 1 Goto Record go

Location ID	82125087	MPO ID	
Type	SPOT	HPMS ID	
On NHS	No	On HPMS	No
LRS ID	S0000155_	LRS Loc Pt.	
SF Group	04	Route Type	
AF Group	04	Route	NH 155
GF Group	E	Active	Yes
Class Dist Grp	Default	Category	3
Seas Clss Grp	Default		
WIM Group	Default		
QC Group	Default		
Fnct'l Class	Minor Arterial	Milepost	
Located On	Knox Marsh Rd		
Loc On Alias	NH 155 (KNOX MARSH RD) SOUTH OF NH 9		

More Detail

STATION DATA

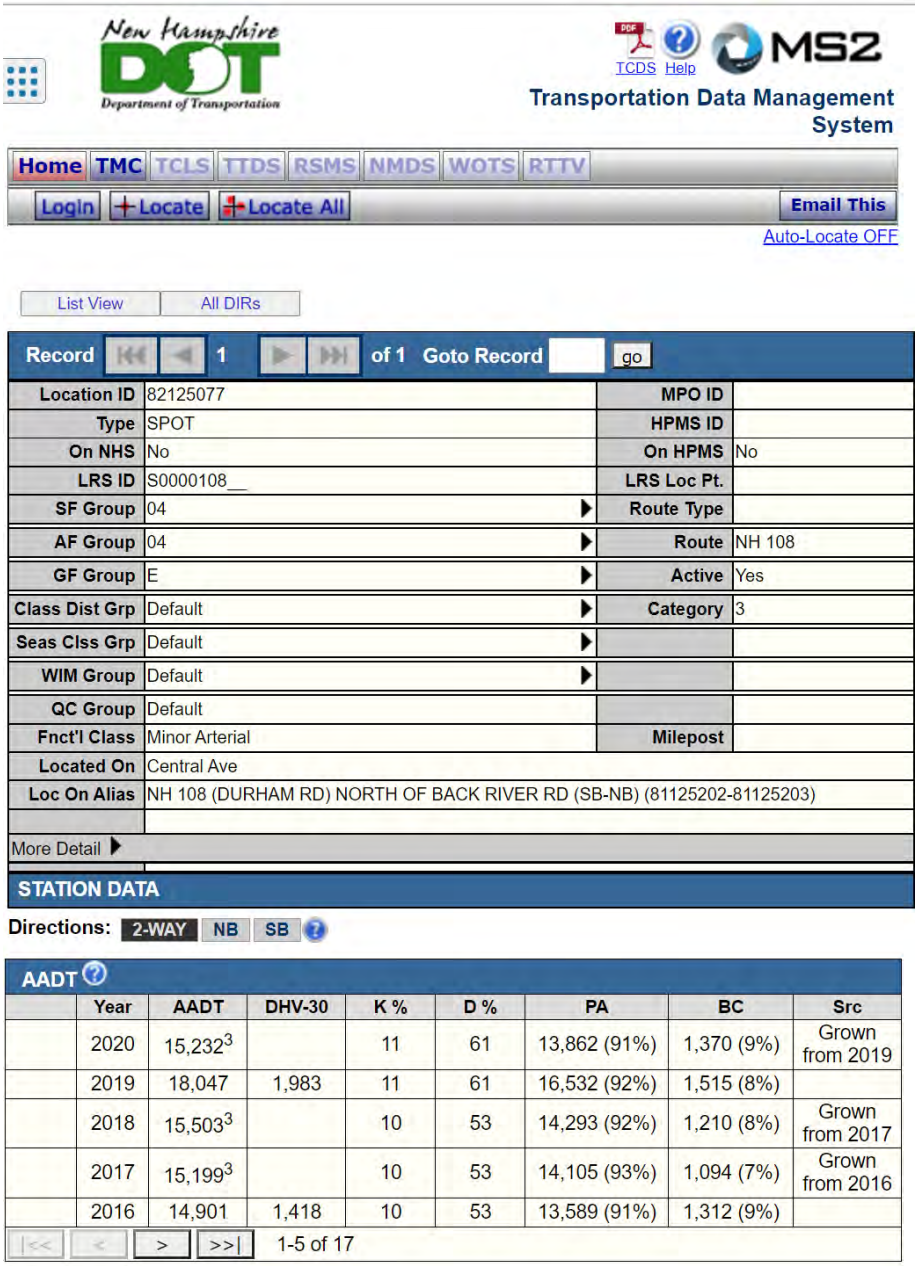
Directions: 2-WAY NB SB

AADT

Year	AADT	DHV-30	K %	D %	PA	BC	Src
2020	14,064	1,480	11	51	12,798 (91%)	1,266 (9%)	
2019	17,366[3]		10	53	15,907 (92%)	1,459 (8%)	Grown from 2018
2018	17,160[3]		10	53	15,822 (92%)	1,338 (8%)	Grown from 2017
2017	16,824	1,722	10	53	15,612 (93%)	1,212 (7%)	
2016	15,759[3]				14,372 (91%)	1,387 (9%)	Grown from 2015

> >>| 1-5 of 13

Figure 9: History of AADT values and classification for NH Route 155



New Hampshire DOT Department of Transportation

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Record 1 of 1 Goto Record go

Location ID	82125077	MPO ID	
Type	SPOT	HPMS ID	
On NHS	No	On HPMS	No
LRS ID	S0000108__	LRS Loc Pt.	
SF Group	04	Route Type	
AF Group	04	Route	NH 108
GF Group	E	Active	Yes
Class Dist Grp	Default	Category	3
Seas Clss Grp	Default		
WIM Group	Default		
QC Group	Default		
Fnct'l Class	Minor Arterial	Milepost	
Located On	Central Ave		
Loc On Alias	NH 108 (DURHAM RD) NORTH OF BACK RIVER RD (SB-NB) (81125202-81125203)		

More Detail

STATION DATA

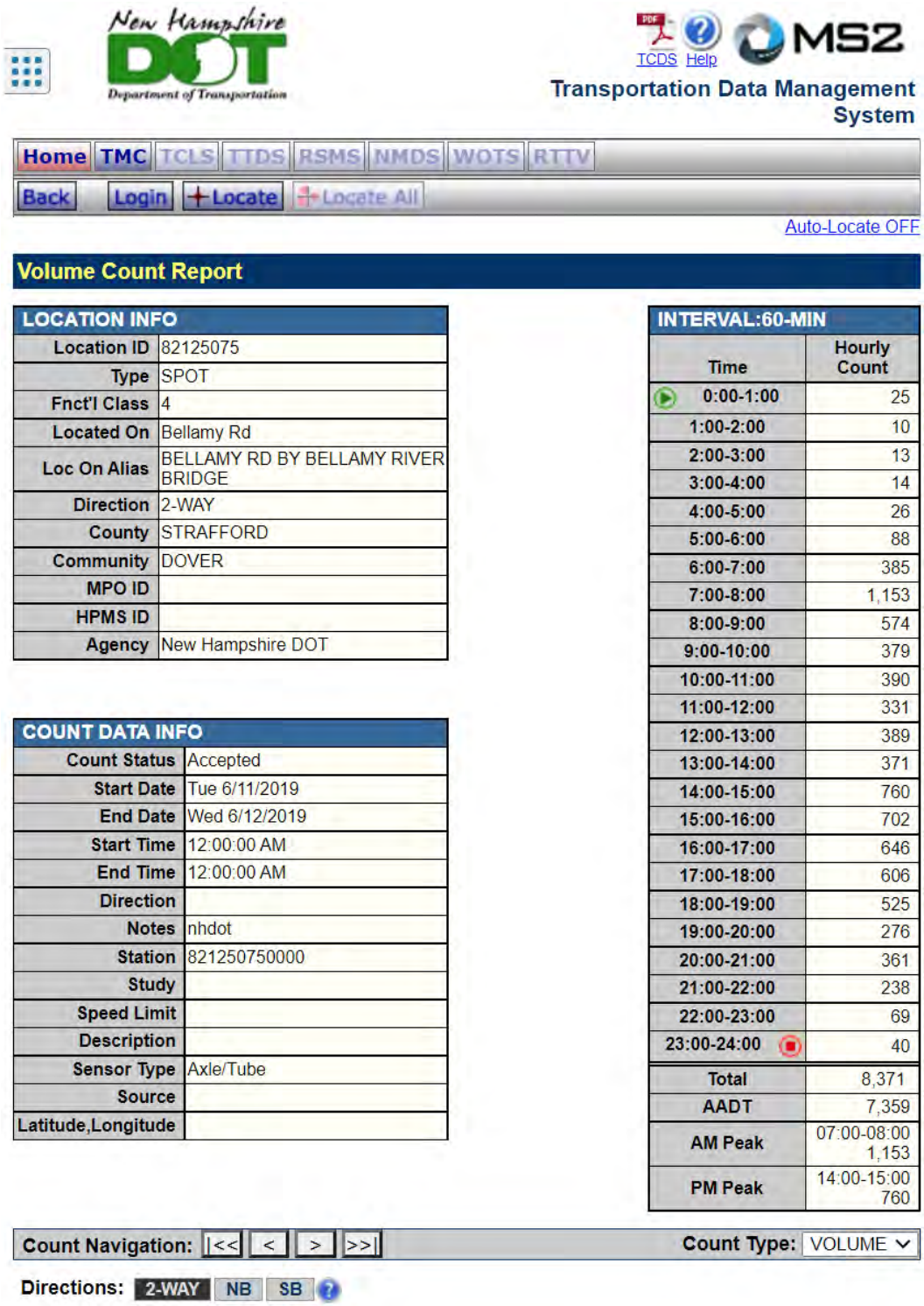
Directions: 2-WAY | NB | SB

AADT

	Year	AADT	DHV-30	K %	D %	PA	BC	Src
	2020	15,232[3]		11	61	13,862 (91%)	1,370 (9%)	Grown from 2019
	2019	18,047	1,983	11	61	16,532 (92%)	1,515 (8%)	
	2018	15,503[3]		10	53	14,293 (92%)	1,210 (8%)	Grown from 2017
	2017	15,199[3]		10	53	14,105 (93%)	1,094 (7%)	Grown from 2016
	2016	14,901	1,418	10	53	13,589 (91%)	1,312 (9%)	

|<< < > >>| 1-5 of 17

Figure 10: History of AADT values and classification for Central Ave



New Hampshire DOT Department of Transportation

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Volume Count Report

LOCATION INFO	
Location ID	82125075
Type	SPOT
Fnct'l Class	4
Located On	Bellamy Rd
Loc On Alias	BELLAMY RD BY BELLAMY RIVER BRIDGE
Direction	2-WAY
County	STRAFFORD
Community	DOVER
MPO ID	
HPMS ID	
Agency	New Hampshire DOT

COUNT DATA INFO	
Count Status	Accepted
Start Date	Tue 6/11/2019
End Date	Wed 6/12/2019
Start Time	12:00:00 AM
End Time	12:00:00 AM
Direction	
Notes	nhdot
Station	821250750000
Study	
Speed Limit	
Description	
Sensor Type	Axle/Tube
Source	
Latitude,Longitude	

INTERVAL:60-MIN	
Time	Hourly Count
0:00-1:00	25
1:00-2:00	10
2:00-3:00	13
3:00-4:00	14
4:00-5:00	26
5:00-6:00	88
6:00-7:00	385
7:00-8:00	1,153
8:00-9:00	574
9:00-10:00	379
10:00-11:00	390
11:00-12:00	331
12:00-13:00	389
13:00-14:00	371
14:00-15:00	760
15:00-16:00	702
16:00-17:00	646
17:00-18:00	606
18:00-19:00	525
19:00-20:00	276
20:00-21:00	361
21:00-22:00	238
22:00-23:00	69
23:00-24:00	40
Total	8,371
AADT	7,359
AM Peak	07:00-08:00 1,153
PM Peak	14:00-15:00 760

Count Navigation: |<< < > >>| Count Type: VOLUME

Directions: 2-WAY NB SB

Figure 11: Tuesday June 11th, 2019 Bellamy Road two-way traffic count

New Hampshire DOT Department of Transportation

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Transportation Data Management System

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Back | Login | Locate | Locate All

Auto-Locate OFF

Volume Count Report

LOCATION INFO	
Location ID	82125075
Type	SPOT
Fnct'l Class	4
Located On	Bellamy Rd
Loc On Alias	BELLAMY RD BY BELLAMY RIVER BRIDGE
Direction	2-WAY
County	STRAFFORD
Community	DOVER
MPO ID	
HPMS ID	
Agency	New Hampshire DOT

COUNT DATA INFO	
Count Status	Accepted
Start Date	Wed 6/12/2019
End Date	Thu 6/13/2019
Start Time	12:00:00 AM
End Time	12:00:00 AM
Direction	
Notes	nhdot
Station	821250750000
Study	
Speed Limit	
Description	
Sensor Type	Axle/Tube
Source	
Latitude,Longitude	

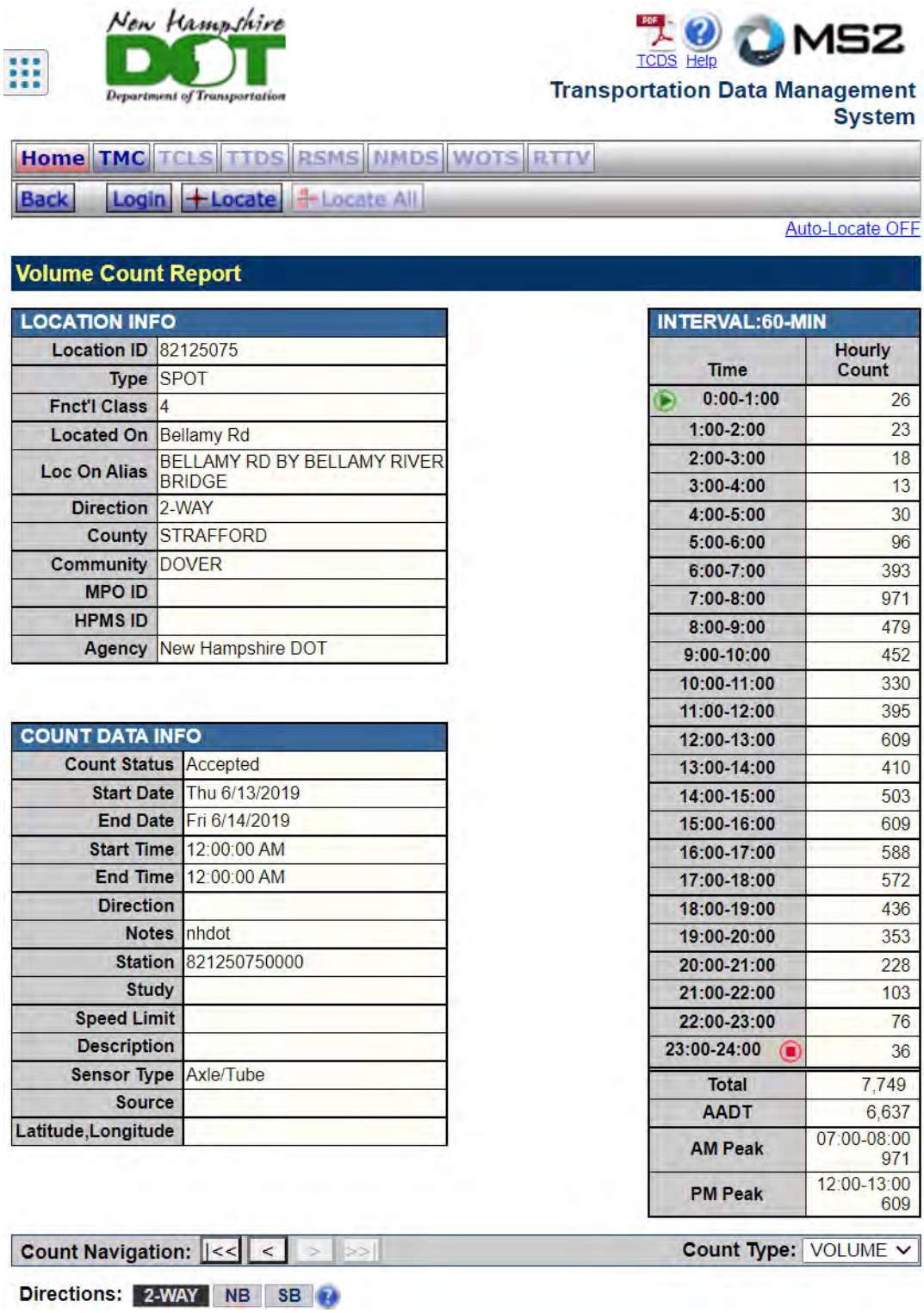
INTERVAL:60-MIN	
Time	Hourly Count
0:00-1:00	23
1:00-2:00	21
2:00-3:00	15
3:00-4:00	15
4:00-5:00	32
5:00-6:00	103
6:00-7:00	378
7:00-8:00	973
8:00-9:00	485
9:00-10:00	444
10:00-11:00	324
11:00-12:00	408
12:00-13:00	633
13:00-14:00	399
14:00-15:00	536
15:00-16:00	617
16:00-17:00	634
17:00-18:00	761
18:00-19:00	371
19:00-20:00	290
20:00-21:00	202
21:00-22:00	220
22:00-23:00	120
23:00-24:00	46
Total	8,050
AADT	6,856
AM Peak	07:00-08:00 973
PM Peak	17:00-18:00 761

Count Navigation: |<< < > >>| Count Type: VOLUME

Directions: 2-WAY NB SB

Figure 12: Wednesday June 12th, 2019 Bellamy Road two-way traffic count

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Auto-Locate OFF

Volume Count Report

LOCATION INFO	
Location ID	82125075
Type	SPOT
Fnct'l Class	4
Located On	Bellamy Rd
Loc On Alias	BELLAMY RD BY BELLAMY RIVER BRIDGE
Direction	2-WAY
County	STRAFFORD
Community	DOVER
MPO ID	
HPMS ID	
Agency	New Hampshire DOT

COUNT DATA INFO	
Count Status	Accepted
Start Date	Thu 6/13/2019
End Date	Fri 6/14/2019
Start Time	12:00:00 AM
End Time	12:00:00 AM
Direction	
Notes	nhdot
Station	821250750000
Study	
Speed Limit	
Description	
Sensor Type	Axle/Tube
Source	
Latitude,Longitude	

INTERVAL:60-MIN	
Time	Hourly Count
0:00-1:00	26
1:00-2:00	23
2:00-3:00	18
3:00-4:00	13
4:00-5:00	30
5:00-6:00	96
6:00-7:00	393
7:00-8:00	971
8:00-9:00	479
9:00-10:00	452
10:00-11:00	330
11:00-12:00	395
12:00-13:00	609
13:00-14:00	410
14:00-15:00	503
15:00-16:00	609
16:00-17:00	588
17:00-18:00	572
18:00-19:00	436
19:00-20:00	353
20:00-21:00	228
21:00-22:00	103
22:00-23:00	76
23:00-24:00	36
Total	7,749
AADT	6,637
AM Peak	07:00-08:00 971
PM Peak	12:00-13:00 609

Count Navigation: |<< | < | > | >> Count Type: VOLUME

Directions: 2-WAY | NB | SB

Figure 13: Thursday June 13th, 2019 Bellamy Road two-way traffic count

Appendix B

Miscellaneous

Group 4 Averages:		Year 2019 Monthly Data Urban Highways	
		Adjustment to	
Month	ADT	Average	Peak
January	11,431	1.12	1.23
February	11,848	1.08	1.18
March	12,141	1.06	1.15
April	12,860	1.00	1.09
May	13,551	0.95	1.03
June	13,785	0.93	1.02
July	13,942	0.92	1.01
August	14,016	0.92	1.00
September	13,379	0.96	1.05
October	13,339	0.96	1.05
November	12,265	1.05	1.14
December	11,496	1.12	1.22
Average ADT:	12,838		
Peak ADT:	14,016		

Table 15: Derivation of the seasonal peaking factor

Year	Advancing Volume	Advancing Volume Peaked (TR)
2021	556	565.5
2022	562	571.1
2023	567	576.8
2024	573	582.6
2025	579	588.4
2026	585	594.3
2027	590	600.3
2028	596	606.3
2029	602	612.3
2030	608	618.4
2031	614	624.6
2032	620	630.9
2033	627	637.2
2034	633	643.6
2035	639	650.0
Year	Opposing Volume	Opposing Volume Peaked (TR)
2021	644	654.9
2022	651	661.5
2023	657	668.1
2024	664	674.8
2025	670	681.5
2026	677	688.4
2027	684	695.2
2028	691	702.2
2029	698	709.2
2030	704	716.3
2031	712	723.5
2032	719	730.7
2033	726	738.0
2034	733	745.4
2035	740	752.8
Seasonal Peaking Factor (June)		1.02

Table 16: AM Traffic Count Projections

Year	Advancing Volume	Advancing Volume Peaked (TR)
2021	556	565.5
2022	562	571.1
2023	567	576.8
2024	573	582.6
2025	579	588.4
2026	585	594.3
2027	590	600.3
2028	596	606.3
2029	602	612.3
2030	608	618.4
2031	614	624.6
2032	620	630.9
2033	627	637.2
2034	633	643.6
2035	639	650.0
Year	Opposing Volume	Opposing Volume Peaked (TR)
2021	644	654.9
2022	651	661.5
2023	657	668.1
2024	664	674.8
2025	670	681.5
2026	677	688.4
2027	684	695.2
2028	691	702.2
2029	698	709.2
2030	704	716.3
2031	712	723.5
2032	719	730.7
2033	726	738.0
2034	733	745.4
2035	740	752.8
Seasonal Peaking Factor (June)		1.02

Table 17: PM Traffic Count Projections

Table 3-1. Stopping Sight Distance on Level Roadways

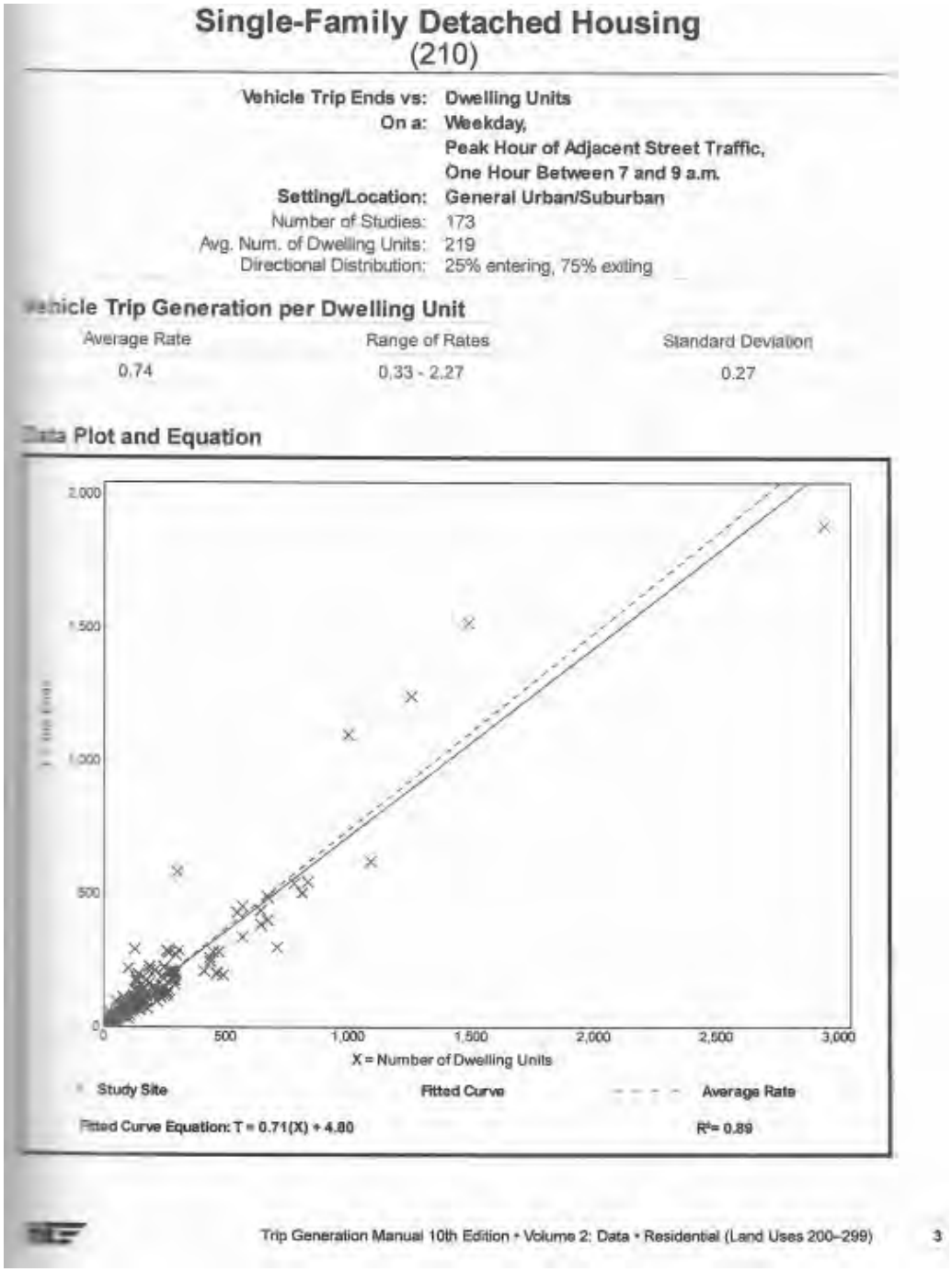
U.S. Customary					Metric				
Design Speed (mph)	Brake Reaction Distance (ft)	Braking Distance on Level (ft)	Stopping Sight Distance		Design Speed (km/h)	Brake Reaction Distance (m)	Braking Distance on Level (m)	Stopping Sight Distance	
			Calculated (ft)	Design (ft)				Calculated (m)	Design (m)
15	55.1	21.6	76.7	80	20	13.9	4.6	18.5	20
20	73.5	38.4	111.9	115	30	20.9	10.3	31.2	35
25	91.9	60.0	151.9	155	40	27.8	18.4	46.2	50
30	110.3	86.4	196.7	200	50	34.8	28.7	63.5	65
35	128.6	117.6	246.2	250	60	41.7	41.3	83.0	85
40	147.0	153.6	300.6	305	70	48.7	56.2	104.9	105
45	165.4	194.4	359.8	360	80	55.6	73.4	129.0	130
50	183.8	240.0	423.8	425	90	62.6	92.9	155.5	160
55	202.1	290.3	492.4	495	100	69.5	114.7	184.2	185
60	220.5	345.5	566.0	570	110	76.5	138.8	215.3	220
65	238.9	405.5	644.4	645	120	83.4	165.2	248.6	250
70	257.3	470.3	727.6	730	130	90.4	193.8	284.2	285
75	275.6	539.9	815.5	820	140	97.3	224.8	322.1	325
80	294.0	614.3	908.3	910					
85	313.5	693.5	1007.0	1010					

Note: Brake reaction distance predicated on a time of 2.5 s; deceleration rate of 11.2 ft/s² [3.4 m/s²] used to determine calculated sight distance.

Figure 14: Derivation of stopping sight distance requirements

Appendix C

Trip Generation Derivation



Single-Family Detached Housing
(210)

Vehicle Trip Ends vs: **Dwelling Units**
On a: **Weekday,**
Peak Hour of Adjacent Street Traffic,
One Hour Between 7 and 9 a.m.
Setting/Location: **General Urban/Suburban**
Number of Studies: 173
Avg. Num. of Dwelling Units: 219
Directional Distribution: 25% entering, 75% exiting

Vehicle Trip Generation per Dwelling Unit

Average Rate	Range of Rates	Standard Deviation
0.74	0.33 - 2.27	0.27

Data Plot and Equation

Trip Generation Manual 10th Edition • Volume 2: Data • Residential (Land Uses 200–299) 3

Figure 15: ITE Trip Generation, 10th Edition

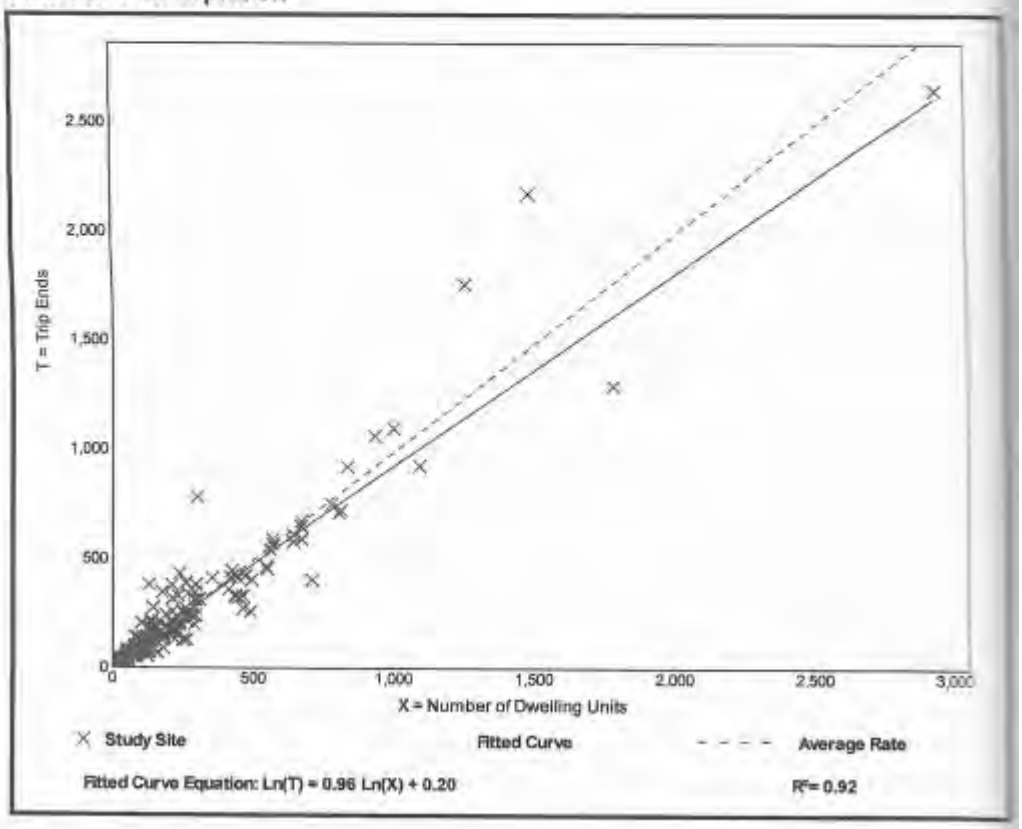
Single-Family Detached Housing
(210)

Vehicle Trip Ends vs: **Dwelling Units**
On a: **Weekday,**
Peak Hour of Adjacent Street Traffic,
One Hour Between 4 and 6 p.m.
Setting/Location: **General Urban/Suburban**
Number of Studies: 190
Avg. Num. of Dwelling Units: 242
Directional Distribution: 63% entering, 37% exiting

Vehicle Trip Generation per Dwelling Unit

Average Rate	Range of Rates	Standard Deviation
0.99	0.44 - 2.98	0.31

Data Plot and Equation



4 Trip Generation Manual 10th Edition • Volume 2: Data • Residential (Land Uses 200–299)

Figure 16: ITE Trip Generation, 10th Edition

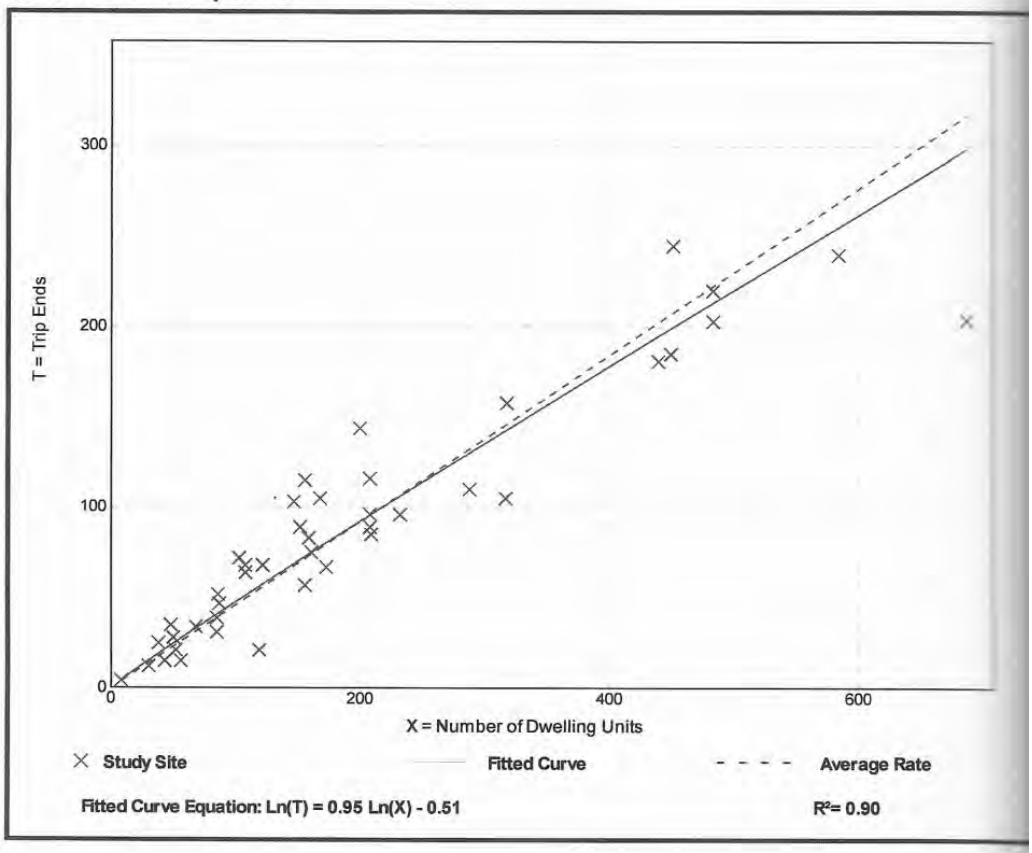
Multifamily Housing (Low-Rise)
(220)

Vehicle Trip Ends vs: **Dwelling Units**
On a: **Weekday,**
Peak Hour of Adjacent Street Traffic,
One Hour Between 7 and 9 a.m.
Setting/Location: **General Urban/Suburban**
Number of Studies: 42
Avg. Num. of Dwelling Units: 199
Directional Distribution: 23% entering, 77% exiting

Vehicle Trip Generation per Dwelling Unit

Average Rate	Range of Rates	Standard Deviation
0.46	0.18 - 0.74	0.12

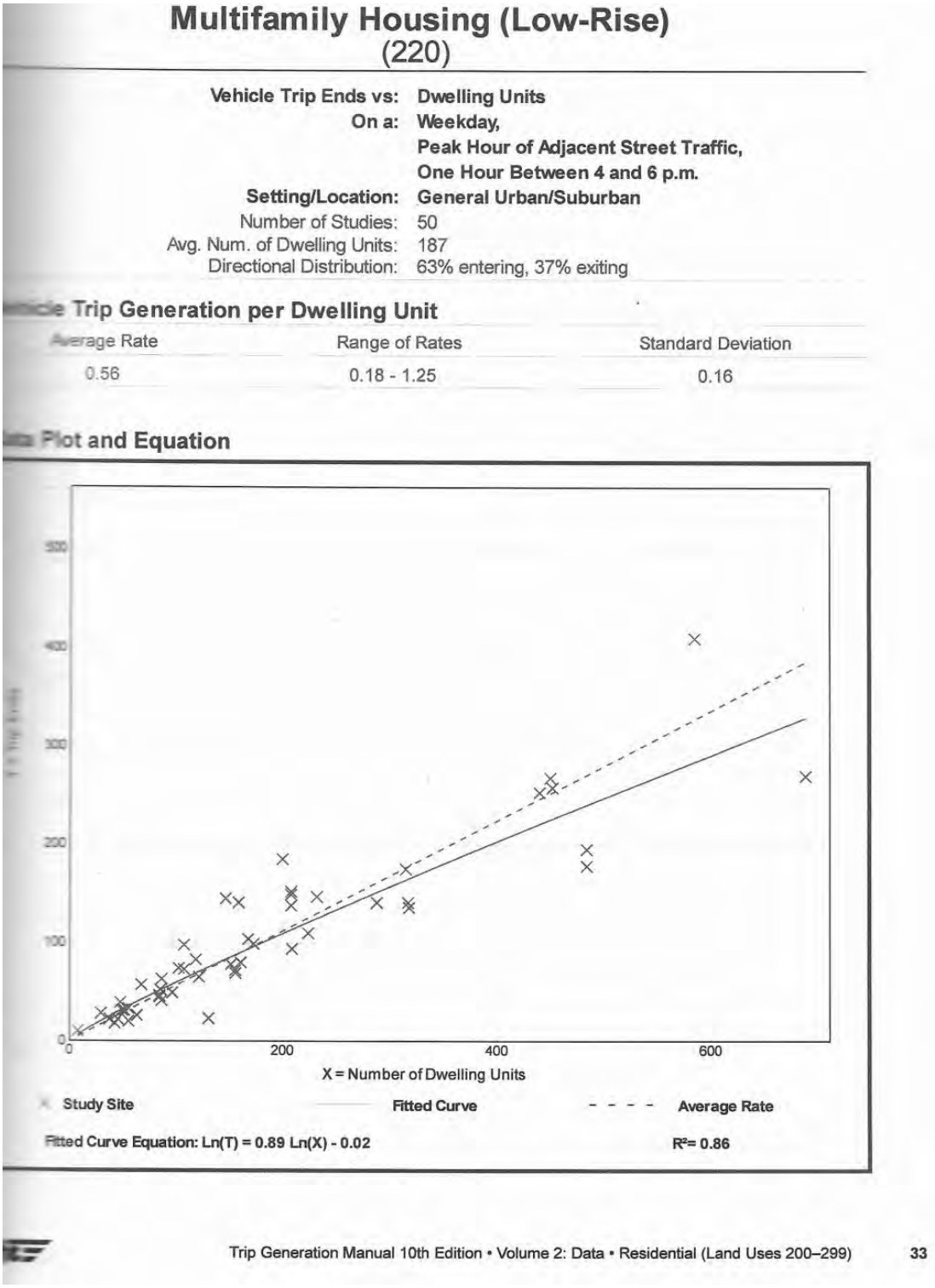
Data Plot and Equation



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Figure 17: ITE Trip Generation, 10th Edition

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Multifamily Housing (Low-Rise)
(220)

Vehicle Trip Ends vs: **Dwelling Units**
On a: **Weekday,**
Peak Hour of Adjacent Street Traffic,
One Hour Between 4 and 6 p.m.
Setting/Location: **General Urban/Suburban**
Number of Studies: 50
Avg. Num. of Dwelling Units: 187
Directional Distribution: 63% entering, 37% exiting

Trip Generation per Dwelling Unit

Average Rate	Range of Rates	Standard Deviation
0.56	0.18 - 1.25	0.16

Plot and Equation

Figure 18: ITE Trip Generation, 10th Edition

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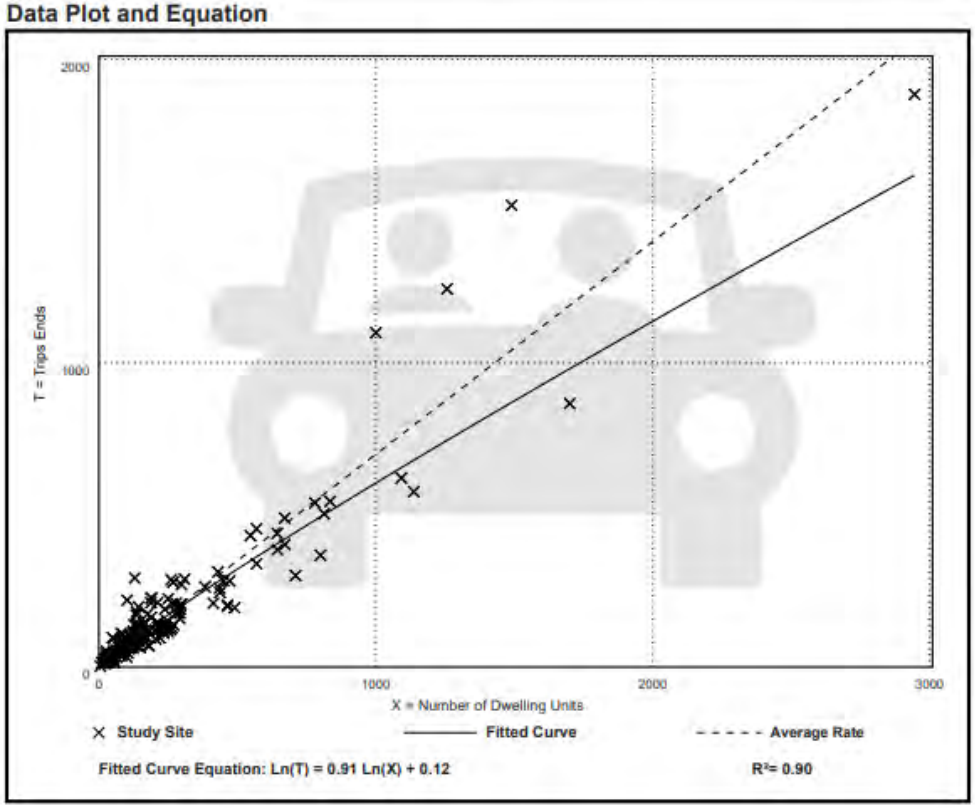
Single-Family Detached Housing
(210)

Vehicle Trip Ends vs: Dwelling Units
On a: Weekday,
Peak Hour of Adjacent Street Traffic,
One Hour Between 7 and 9 a.m.
Setting/Location: General Urban/Suburban
Number of Studies: 192
Avg. Num. of Dwelling Units: 226
Directional Distribution: 26% entering, 74% exiting

Vehicle Trip Generation per Dwelling Unit

Average Rate	Range of Rates	Standard Deviation
0.70	0.27 - 2.27	0.24

Data Plot and Equation



220 Trip Generation Manual 11th Edition • Volume 3

Figure 19: ITE Trip Generation, 11th Edition

Single-Family Detached Housing
(210)

Vehicle Trip Ends vs: Dwelling Units
On a: Weekday,
Peak Hour of Adjacent Street Traffic,
One Hour Between 4 and 6 p.m.
Setting/Location: General Urban/Suburban
Number of Studies: 208
Avg. Num. of Dwelling Units: 248
Directional Distribution: 63% entering, 37% exiting

Vehicle Trip Generation per Dwelling Unit

Average Rate	Range of Rates	Standard Deviation
0.94	0.35 - 2.98	0.31

Data Plot and Equation

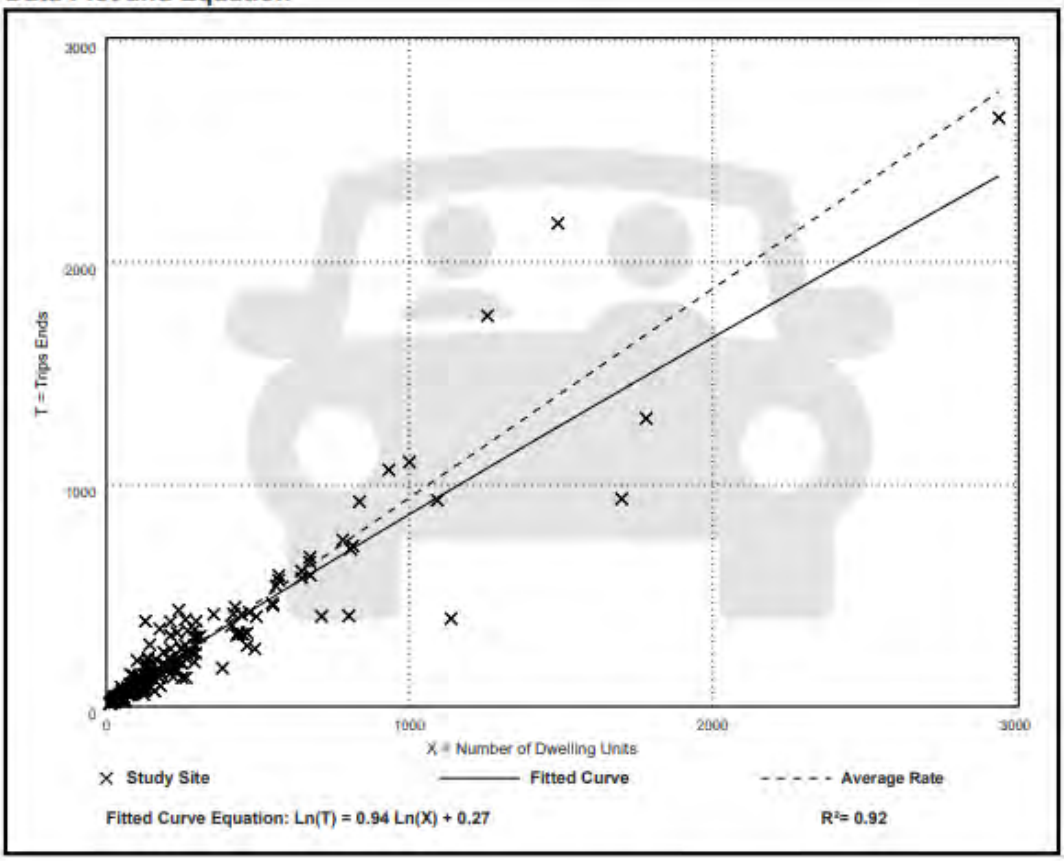


Figure 20: ITE Trip Generation, 11th Edition

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Single-Family Attached Housing
(215)

Vehicle Trip Ends vs: Dwelling Units
On a: Weekday,
Peak Hour of Adjacent Street Traffic,
One Hour Between 7 and 9 a.m.
Setting/Location: General Urban/Suburban
Number of Studies: 46
Avg. Num. of Dwelling Units: 135
Directional Distribution: 31% entering, 69% exiting

Vehicle Trip Generation per Dwelling Unit

Average Rate	Range of Rates	Standard Deviation
0.48	0.12 - 0.74	0.14

Data Plot and Equation

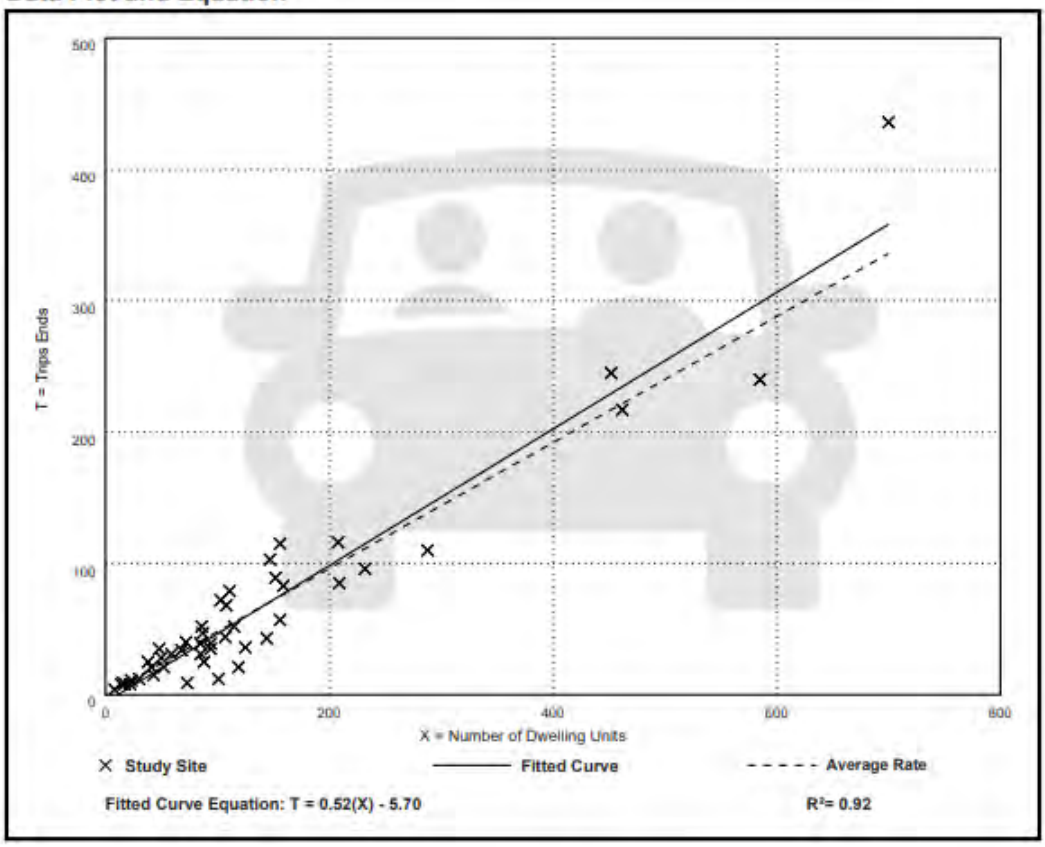


Figure 21: ITE Trip Generation, 11th Edition

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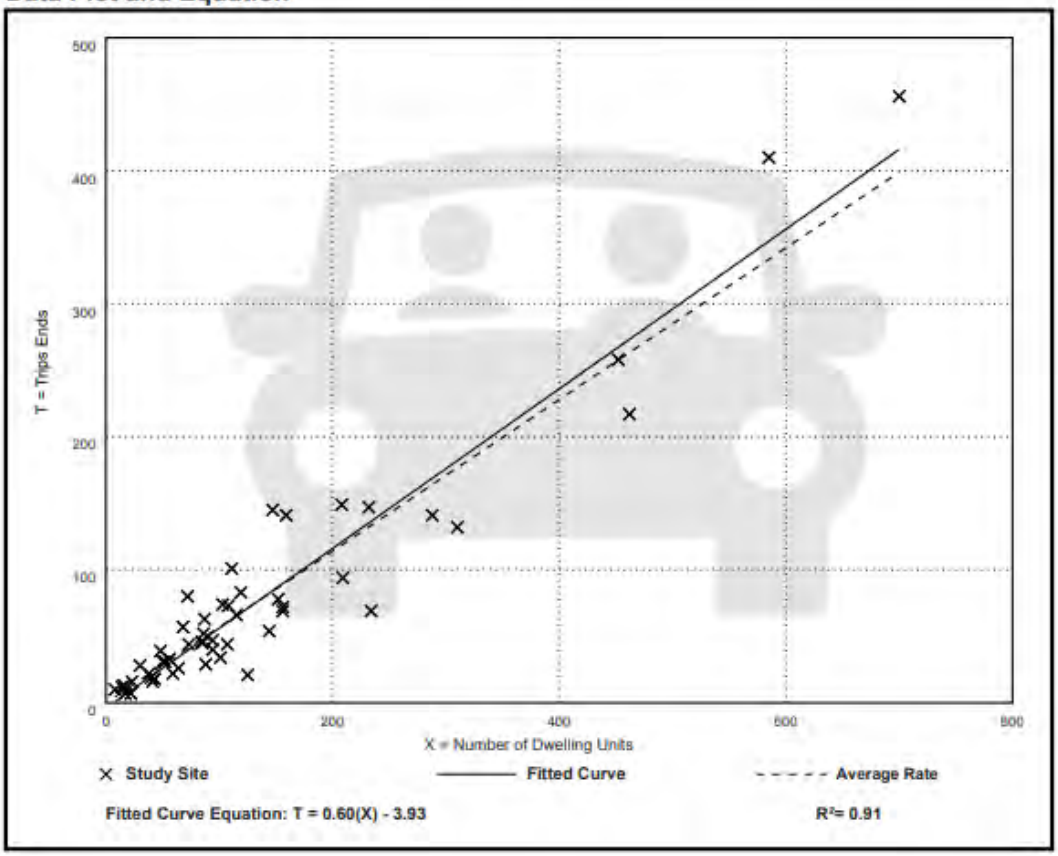
Single-Family Attached Housing
(215)

Vehicle Trip Ends vs: Dwelling Units
On a: Weekday,
Peak Hour of Adjacent Street Traffic,
One Hour Between 4 and 6 p.m.
Setting/Location: General Urban/Suburban
Number of Studies: 51
Avg. Num. of Dwelling Units: 136
Directional Distribution: 57% entering, 43% exiting

Vehicle Trip Generation per Dwelling Unit

Average Rate	Range of Rates	Standard Deviation
0.57	0.17 - 1.25	0.18

Data Plot and Equation



240 Trip Generation Manual 11th Edition • Volume 3

Figure 22: ITE Trip Generation, 11th Edition

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Appendix D

Supplemental Traffic Counts & Data

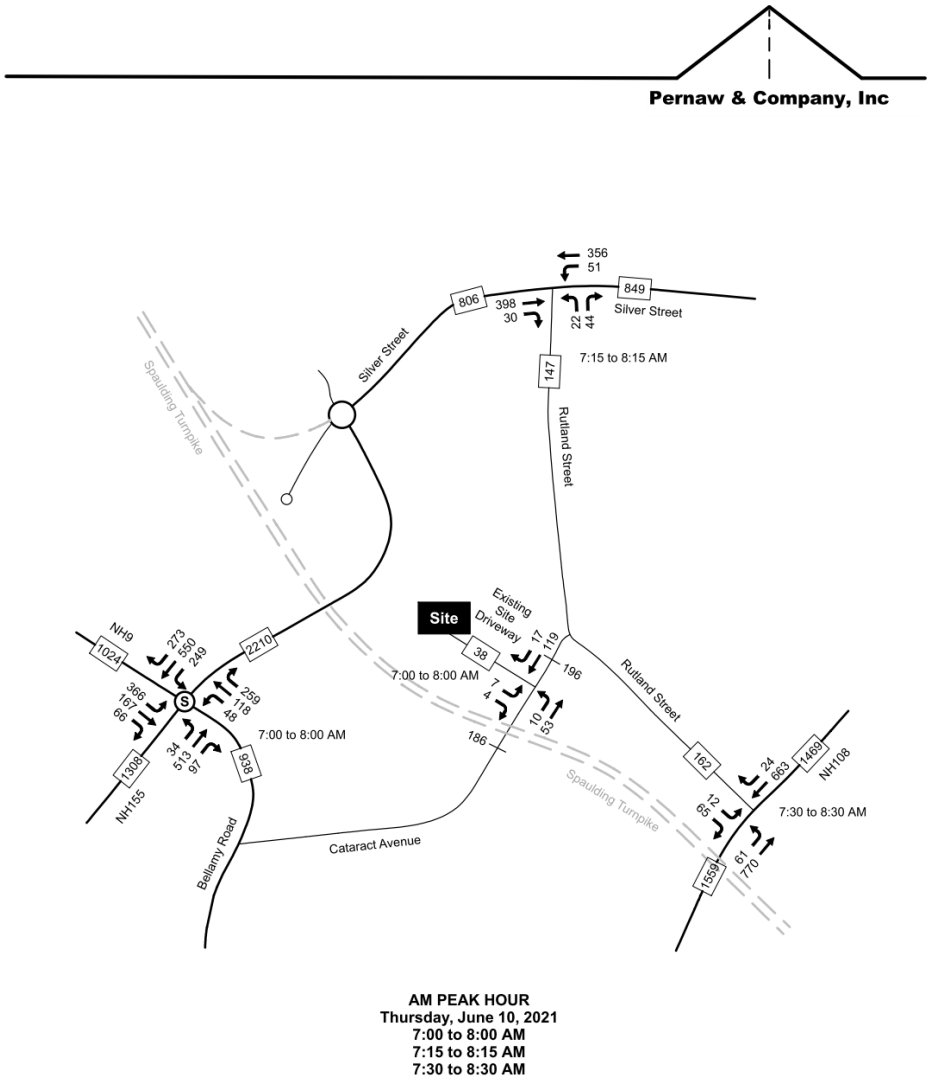
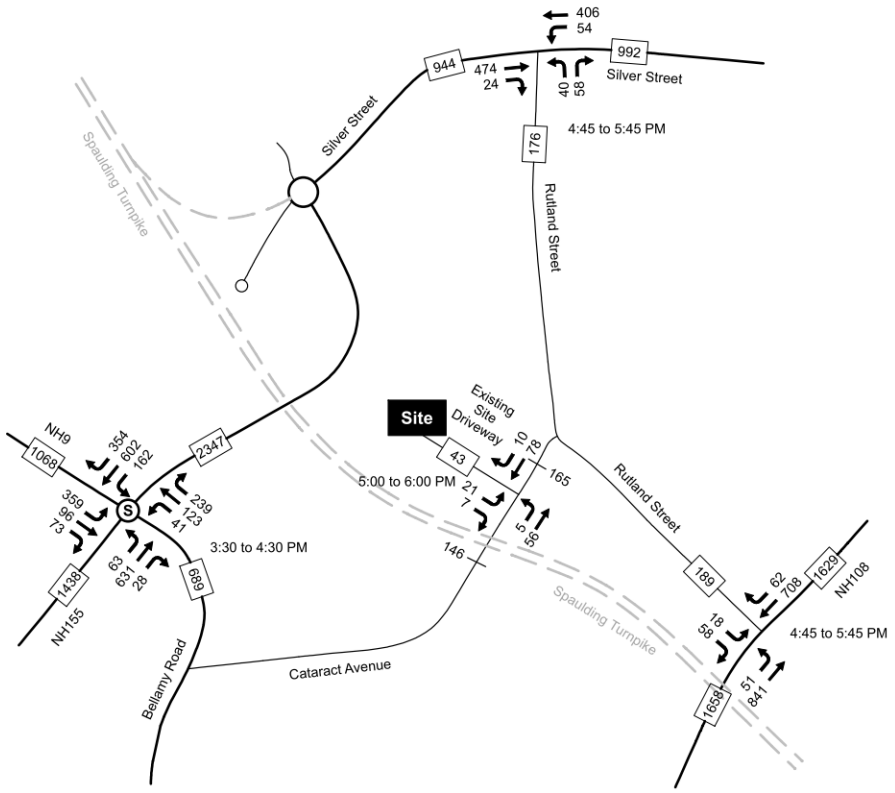


Figure 23: Pernaw & Company, Inc 2021 AM traffic Counts

Pernaw & Company, Inc



PM PEAK HOUR
Thursday, June 10, 2021
3:30 to 4:30 PM
4:45 to 5:45 PM
5:30 to 6:00 PM

NORTH

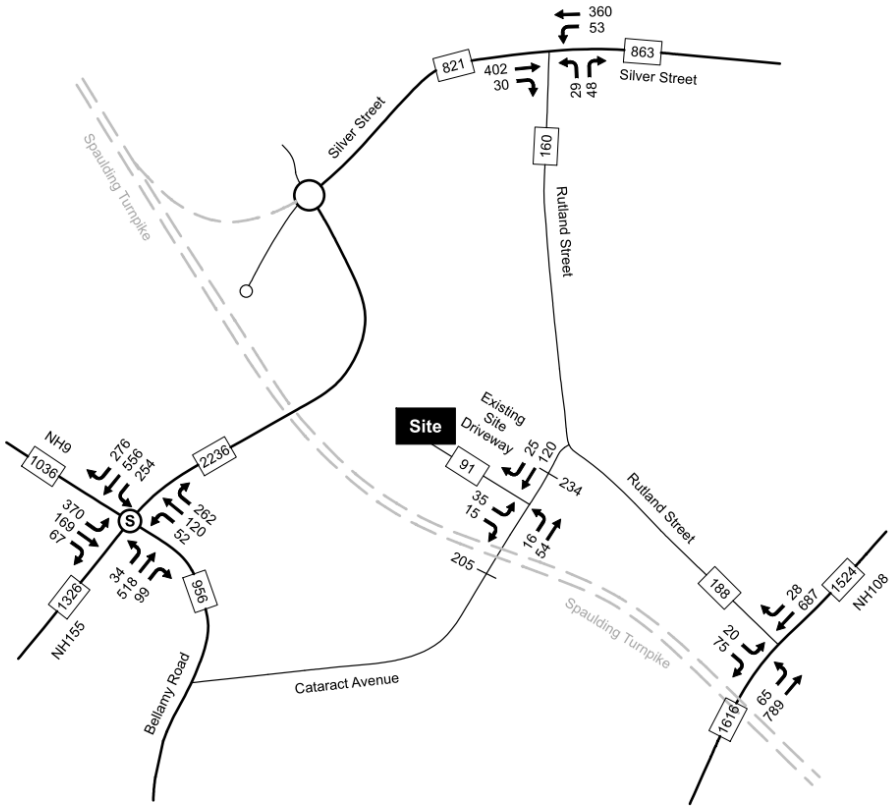
2098A

Figure 2B

2021 Existing Traffic Volumes - PM Peak Hour
Traffic Impact Assessment, Proposed Residential Development, Dover, New Hampshire

Figure 24: Pernaw & Company, Inc 2021 PM traffic Counts

Pernaw & Company, Inc



AM PEAK HOUR

NORTH

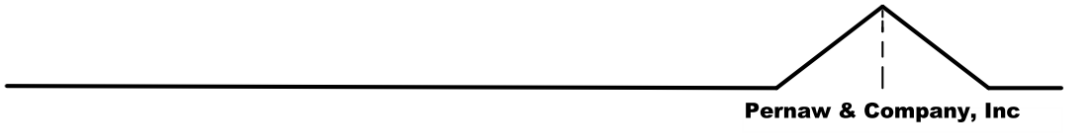
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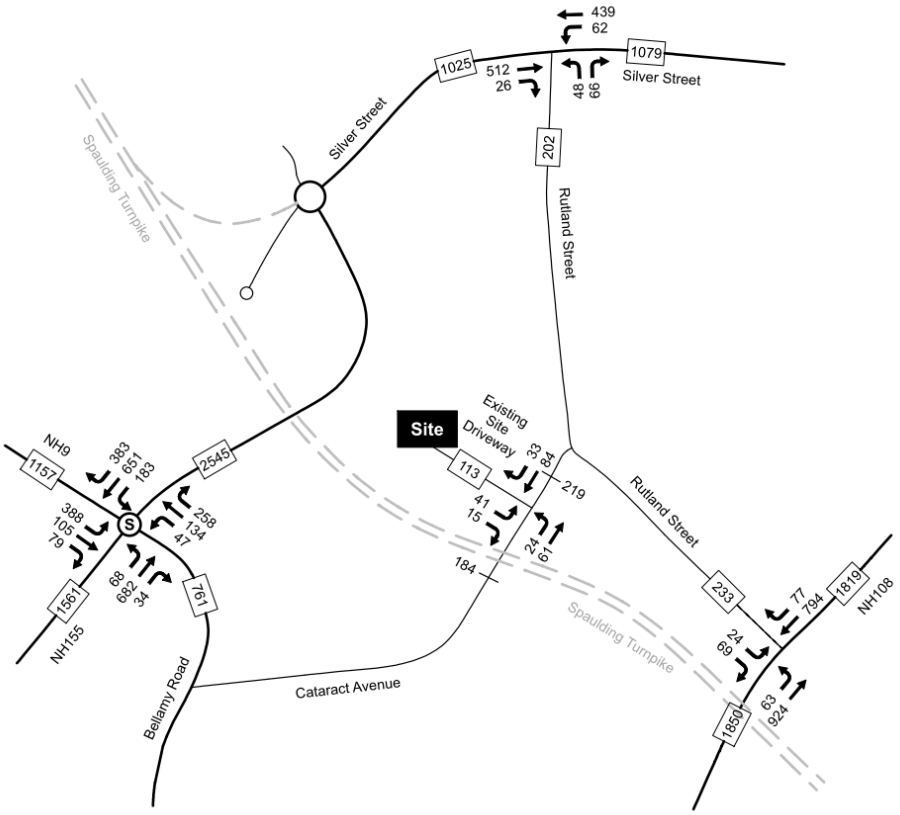
Figure 5A

2022 Build Traffic Volumes - AM Peak Hour

Traffic Impact Assessment, Proposed Residential Development, Dover, New Hampshire

Figure 25: Pernaw & Company, Inc 2022 AM traffic Counts Macintosh adjusted





PM PEAK HOUR

NORTH

2098A

Figure 5B

2022 Build Traffic Volumes - PM Peak Hour

Traffic Impact Assessment, Proposed Residential Development, Dover, New Hampshire

Figure 26: Pernaw & Company, Inc 2022 PM traffic Counts Macintosh adjusted

Time	AM Peak Hour Porch Light Drive	# Trips	Turn Type	% Distribution
Total Trips	7.4			
Trips Enter from Cataract Ave Eastbound		1.0	Right	13.7
Trips Enter from Cataract Ave Westbound		0.8	Left	11.3
Trips Exit to Cataract Ave Eastbound		3.1	Right	41.2
Trips Exit to Cataract Ave Westbound		2.5	Left	33.8

Time	PM Peak Hour Porch Light Drive	# Trips	Turn Type	% Distribution
Total Trips	9.9			
Trips Enter from Cataract Ave Eastbound		3.3	Right	33.7
Trips Enter from Cataract Ave Westbound		2.9	Left	29.3
Trips Exit to Cataract Ave Eastbound		2.0	Right	19.8
Trips Exit to Cataract Ave Westbound		1.7	Left	17.2

Figure 27: Porch Light Drive Trip Generation

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DRAINAGE ANALYSIS

&

EROSION & SEDIMENT CONTROL PLAN

Prepared for:

Knox Marsh Development LLC
242 Central Avenue
Dover, NH 03820

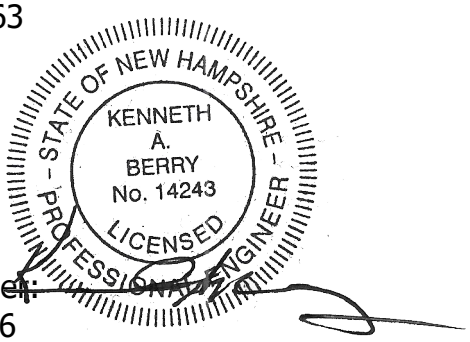
Land of:

5 Sherman Street LLC
242 Central Avenue
Dover, NH 03820

1 Cold Springs Road, Dover, NH
Tax Map H, Lot 47-A

Prepared By:

Berry Surveying & Engineering
335 Second Crown Point Road
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603-332-2863



Project Number:
DB 2023-126

September 1, 2024
Revised: October 17, 2024

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3.1 Full Comparative Analysis Page 7

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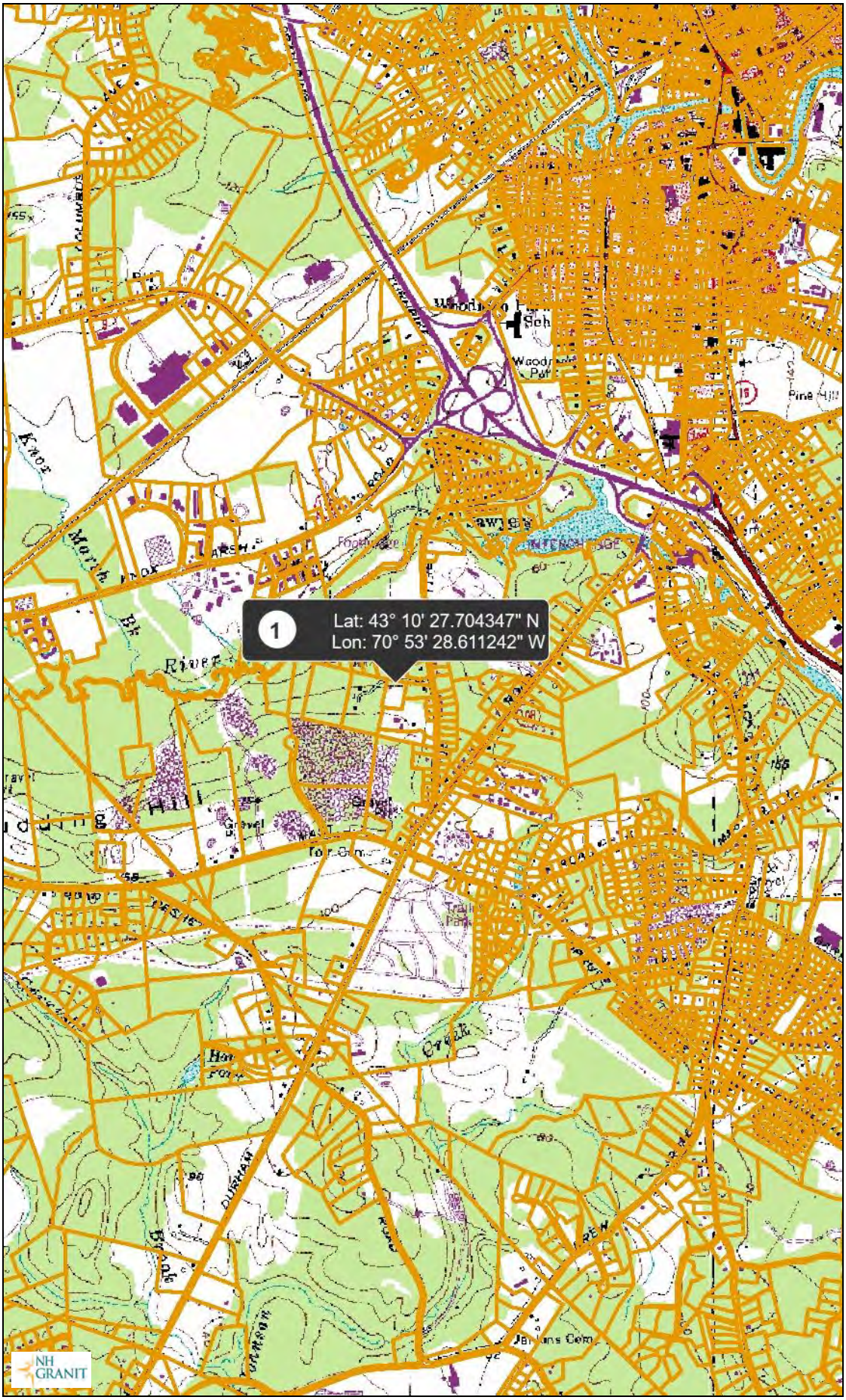
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2 Yr-24 Hr. Node Listing
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25 Yr-24 Hr. Node Listing
50 Yr-24 Hr. Node Listing
100 Yr-24 Hr. Node Listing

Appendix II - Proposed Conditions Analysis
25 Yr-24 Hr. Full Summary
2 Yr-24 Hr. Node Listing
10 Yr-24 Hr. Node Listing
25 Yr-24 Hr. Node Listing
50 Yr-24 Hr. Node Listing
100 Yr-24 Hr. Node Listing

Appendix III - Calculations, Charts, & Graphs
Extreme Precipitation Tables
Rip Rap Calculations
AoT Stormwater Treatment Spreadsheets
NRCS USDA Web-soil Map
Site Specific Soil Survey Report & Plan
Stormwater System Management: Inspection & Maintenance Manual & Plan
Watershed Report Card, 303(d) List, & ORW List
Infiltration Feasibility Study & Report
Ksat New Hampshire Manual
Filtrexx Specifications Sheets

Enclosed: W-1 Sheet Existing Conditions Watershed Plan Sheet 1
W-2 Sheet Post Construction Watershed Plan Sheet 2
Erosion & Sediment Control Plan

Map by NH GRANIT



Legend

- Parcels
- State
- County
- City/Town

Map Scale

1: 24,000

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Map Generated: 1/11/2024

Notes



Map by NH GRANIT



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- Parcels
- State
- County
- City/Town

Map Scale

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Notes



DESIGN METHOD OBJECTIVES

The proposal is to develop the parcel as an extension of Sophie Drive (Alteration of Terrain Permit #AoT-2127) with eight single-family homes and a four-unit building while preserving the existing house and barn. A 392' long private road, measured around the cul-de-sac, will be constructed off Sophie Drive to provide access to the development. The development will be supported by an Infiltration Rain Garden, municipal water and municipal sewer.

Existing and Proposed Conditions analyses were conducted for the purpose of estimating the peak rate of stormwater run-off and to subsequently design adequate mitigation of drainage. The site was analyzed in seven subcatchments, from the Sophie Drive development to Cold Springs Road with three Final Analysis Points. Designing two watershed models we have compared the differences in these rates of peak run-off and surface water volume. Sheet W-1 outlines the characteristics of the site in its existing or pre-construction conditions. The second analysis displays the proposed (post-construction) conditions (See Sheet W-2). The analysis was conducted using data for; 2 Yr - 24 Hr (3.62"), 10 Yr - 24 Hr (5.46"), 25 Yr -24 Hr (6.91"), 50 Yr - 24 Hr (8.27"), and 100 YR - 24 Hr (9.89") storm events. Storm event analysis was accomplished using the USDA SCS TR-20 method within the HydroCAD Stormwater Modeling System environment and rainfall quantities are based on the Extreme Precipitation Table for this location from the Northeast Regional Climate Center / Cornell University (http://precip.eas.cornell.edu). A 15% increase factor was applied to the rainfall totals (Reflected in the totals listed above) due to Dover being a coastal community

1.0 Existing Conditions Analysis:

Reference: Sheet W1 - Existing Conditions Watershed Plan (Enclosed)

The existing property area is 2.71 acres, with a single-family home, barn, adjacent paved parking areas and a mixture of lawn and wooded area. There are seven subcatchments that total 4.26 acres of land which include the areas that will be affected by the proposed development and off-site contributing subcatchment area. USDA / NRCS websoil data was used to determine the offsite soil type. On-site soils were determined by Site Specific Soil Survey conducted by John P. Hayes, III, CSS #87. On-site soils are made up of Hydrologic Soil Groups A & C and off-site soils are all HSG A. On-site soils are made up of Windsor (HSG A) and its clay subsoil variant (HSG C), however, the majority of the site is considered disturbed soil. Disturbed soil is delineated as udorthents (HSG A) or endoaquents (HSG C).

Runoff from the parcel is within the Bellamy River Watershed which has impaired waters of Escherichia coli (NH Statewide Bacteria TMDL # 39269), Aluminum, pH, Benthic-Macroinvertebrate Bioassessment, and Habitat Assessment (Streams). This is a Non- Outstanding Resource Water based on the NHDES evaluation. Bacteria is the only established New Hampshire TMDL with the exception of Mercury which is covered by the NE Regional Mercury TMDL # 33883.

Final Reach #200:

Subcatchment #1 consists of land on the abutting parcel to the east of the locus parcel. The limits of this subcatchment extend west from the roof lines of the three buildings closest to the locus parcel to the limits of a constructed stone swale. Runoff flows generally north to this swale where it is directed toward **Final Reach #200** (a non-point discharge final analysis point) through a pair of subsequent overland reaches through **Subcatchment #2 (Reaches #1a & #1b)**.

Subcatchment #2 is made up of land area west of the stone swale and extends west to the edge of the existing driveway on the locus parcel and south to the rear of the nearest multi-family building off Sophie Drive. The runoff from this area drains north to **Final Reach #200**.

Subcatchment #8 is comprised solely of the northeastern quarter of the roof of an abutting building on Banner Drive. Runoff is collected in a gutter and outlets to **Final Reach #200** through a series of overland reaches **(Reaches #8a-#8d)**.

Final Reach #500:

Subcatchment #3 is located in the southern portion of the locus parcel extending south to the rear of the nearest multi-family building off of Sophie Drive. Runoff flows north to a small manmade pond within the existing driveway loop **(Pond #3)**. This pond detains runoff and outlets through a 6" pipe to a series of overland reaches **(Reaches #3a, #3b, & #4b)** to **Final Reach #500**, a non-point discharge final analysis point.

Subcatchment #4 encompasses a large portion of the central area of the locus parcel. The limits of this subcatchment are defined by the residential buildings on the parcel as well as the natural topography through the middle of the driveway loop and a small depression to the north. This depression is evaluated as a pond device **(Pond #4)** with a natural berm and a weir where excess runoff outlets toward **Final Reach #500** through a pair of overland reaches **(Reaches #4a & #4b)**.

Subcatchment #5 consists of the majority of the northern side of the locus parcel extending from the property line south to two high points, one to the east and one to the west. The interior limits of the subcatchment are defined by the driveway on the parcel and the roof lines of the residential house and barn as well as the natural topography extending to the backside of **Pond #4**. Runoff naturally flows in a northerly direction to **Final Reach #500**.

Subcatchment #7 is made up solely of the northwestern quarter of the roof of an abutting building on Banner Drive. Runoff is collected in a gutter and outlets to **Pond #3** through a series of overland reaches **(Reaches #7a-#7c)**.

Final Reach #600:

Subcatchment #6 is located in the southwestern corner of the locus parcel extending south to a retaining wall in the rear corner of the development off of Sophie Drive. Runoff flows northwest to the property line which is being analyzed as **Final Reach #600**, a non-point discharge final analysis point.

Final Reach #1000:

Subcatchment #1a is a small area of land between **Subcatchments #1 & #2** which represents the portion of Sophie Drive that contributes runoff to the existing Banner Drive project. Runoff flows east to **Final Reach #1000** which is a non-point discharge analysis point.

2.0 Proposed Conditions Analysis:

Reference: Sheet W2 - Proposed Conditions Watershed Plan (Enclosed)
Proposed Grading & Drainage Plan

The proposed conditions analysis consists of fourteen subcatchments. The runoff from the proposed development is collected and treated in a single Infiltration Rain Gardens where the Water Quality Volume is treated by the bio-media and from the five storms evaluated runoff does not leave the rain garden until the 50 Year storm event where runoff flows over the spillway at a depth of .03'. It is of note there is no catch basin #1, with catch basin number starting with #2.

Final Reach #200:

Subcatchment #2 is decreased in size due to the location of Infiltration **Rain Garden #106 (Pond #106)** and the proposed road extension. Runoff still flows north to **Final Reach #200**.

Final Reach #500:

Subcatchment #1 remains unchanged except for a small area where the proposed road extension is being constructed. Runoff has been redirected to **Final Reach #500** as a result of the proposed extension of Sophie Drive. Runoff now flows to the edge of Sophie Drive and into Pond #106 via **Catch Basin #6 (Pond #C06)** and **Drain Manhole #2 (Pond #D02)**.

Subcatchments #5 is considerably reduced in size due to the location of the proposed roadway and development. Runoff still flows generally north to **Final Reach #500**.

Subcatchments #7 & #8 are both unchanged in area and cover. However, the reaches utilized are changed with both subcatchments collected in their respective gutters and outletting into the conveyance swale in **Subcatchment #30** directed at the inlet sump

(Pond #30). **Subcatchment #7** is now conveyed through Reaches **#7a-#7e**, and **Subcatchment #8** now utilizes **Reach #8 & Reaches #7c-#7e**.

Subcatchment #30 encompasses the land along the south and east property lines of the parcel. The limits of this subcatchment are defined by the proposed roof lines to the north and west of the property lines as well as by the existing conditions of the development to the south and east. Runoff primarily flows east and north via a conveyance swale along the property line directing runoff to an inlet sump **(Pond #30)** which is directed to **Infiltration Rain Garden #106 (Pond #106)**.

Runoff from the majority of the developed area including the entirety of the Sophie Drive extension and the related paved parking is routed through a closed drainage system outletting to **Infiltration Rain Garden #106 (Pond #106)**. This closed drainage system is made up of three primary branches (**Pond #C02** to the south, **Pond #C04** to the east, and **Ponds #C03 & #C05** to the west). Which all outlet into **Drain Manhole #1 (Pond #D01)**. **Drain Manhole #1** outlets into **Water Quality Inlet #1 (Pond #W01)** which functions as pretreatment before runoff flows into **Infiltration Rain Garden #106**.

Subcatchment #32 is made up of the majority of the cul-de-sac and the surrounding land. The limits of this subcatchment are defined by the edge of the cut in the open space area and along the southern portion of the cul-de-sac and the high point near the mouth of the cul-de-sac. Runoff flows inward toward the detention area within the cul-de-sac and into **Catch Basin #2 (Pond #C02)** where it enters the closed drainage system.

Subcatchment #33 is comprised of the western half of the entrance of the cul-de-sac and the related half of the parking area before the entrance of the cul-de-sac. The limits of this subcatchment extend west to the roof line of the existing house and the four-unit building. Runoff enters the closed drainage system via **Catch Basin #3 (Pond #C03)**.

Subcatchment #34 encompasses the majority of the southern side of Sophie Drive. The limits of this subcatchment extend from the crown of Sophie Drive to the outer edge of the sidewalk on the southern side of the road including a small grassed area east of the sidewalk leading and along the eastern half of the parking area and cul-de-sac. Runoff flows west to **Catch Basin #4 (Pond #C04)** where it enters the closed drainage system.

Subcatchment #35 consists solely of the northern side of the Sophie Drive extension with **Pond #106** directly north of the majority of the subcatchment. Runoff flows west entering the closed drainage system via **Catch Basin #5 (Pond #C05)**.

Subcatchment #106 is made up of the land area contributing runoff directly to **Infiltration Rain Garden #106 (Pond #106)**. The limits of this subcatchment are defined by the berm of the pond and the grading of the retaining wall to the south. Runoff that is not infiltrated into the soil outlets to **Final Reach #500** through an emergency spillway.

Final Reach #600:

Subcatchment #6 is considerably reduced in size as a result of the construction of two of the residential buildings, the related parking, and site grading. Runoff still flows northwest to the property line being analyzed as **Final Reach #600**.

Final Reach #1000:

Subcatchment #1a is increased in size due to the location of the high point of Sophie Drive and the proposed curbing of the roadway. Runoff still flows east to **Final Reach #1000**. (See Comparative Analysis For analysis explanation.)

3.0a Stormwater Treatment:

Treatment takes place within the infiltration rain garden designed to support the development on site. Pre-treatment will be provided in the water quality inlet. The water quality volume is treated within an inlet sump functioning as a sediment forebay as well as provided biomedia treatment area of the practice.

3.0b Stormwater Infiltration:

Groundwater recharge volume requirements are satisfied by Infiltration Rain Garden #106 (Pond #106) (Sheet P-106). See "Infiltration Feasibility Study" also prepared by Berry Surveying & Engineering and published on the same day, attached.

3.1 FULL COMPARATIVE ANALYSIS

ANALYSIS COMPONENT: PEAK RATE DISCHARGE (Cubic Feet / Second)

		2 Yr	10 Yr	25 Yr	50 Yr	100 Yr
Final Reach #200	Existing	0.04	0.20	0.66	1.39	2.44
	Proposed	0.00	0.01	0.04	0.10	0.23
Final Reach #500	Existing	0.09	0.84	2.15	3.91	7.16
	Proposed	0.06	0.52	1.14	1.83	4.80
Final Reach #600	Existing	0.00	0.02	0.11	0.30	0.67
	Proposed	0.00	0.00	0.04	0.10	0.24
Final Reach #1000*	Existing	0.06	0.11	0.16	0.20	0.25
	Proposed	0.16	0.25	0.32	0.38	0.46

ANALYSIS COMPONENT: VOLUME (Acre Feet)

		2 Yr	10 Yr	25 Yr	50 Yr	100 Yr
Final Reach #200	Existing	0.008	0.046	0.098	0.160	0.248
	Proposed	0.000	0.003	0.007	0.013	0.021
Final Reach #500	Existing	0.031	0.151	0.304	0.472	0.697
	Proposed	0.018	0.071	0.130	0.248	0.561
Final Reach #600	Existing	0.000	0.008	0.021	0.038	0.063
	Proposed	0.000	0.003	0.008	0.014	0.024
Final Reach #1000*	Existing	0.004	0.008	0.011	0.015	0.019
	Proposed	0.012	0.019	0.025	0.031	0.037

***Final Reach #1000** ultimately contributes runoff to **Infiltration Rain Garden #104** through a closed drainage system within Sophie Drive prior to the analysis area. This rain garden was constructed as a part of the original Sophie Drive construction (AoT-2127). Infiltration Rain Garden #104 constructed as part of AoT-2127, has the water quality capability to treat this additional 2,178 Sq. Ft. of area. **Subcatchment #1** is also part of the prior project area and contributed runoff to **Infiltration Rain Garden #102 (Pond #102),** constructed as part of AoT-2127. As a result of the extension of Sophie Drive, that runoff from **Subcatchment #1** is now being routed to **Infiltration Rain Garden #106 (Pond #106)**, therefore decreasing the impact on **Pond #102 from the original approval.**

4.0 EROSION & SEDIMENT CONTROL PLANS BEST MANAGEMENT PRACTICES (BMP's)

Reference: Proposed Site Plan and Grading Plan
Erosion & Sediment Control Plan
Erosion & Sediment Control Details

The proposed site development is protected from erosion and the abutting properties are protected from sediment by the use of Best Management Practices as outlined in the New Hampshire Stormwater Manual, Volume 2, Post-Construction Best Management Practices Selection & Design (December 2008, NHDES & US EPA); and City of Dover Chapter 153-14 A, Stormwater Management, Erosion Control, and Flood Hazards. **Temporary stabilization measures should be in place within seven calendar days for exposed soils areas that are within one hundred feet of a surface water body or a wetland and no more than 14 calendar days for all other areas. Permanent stabilization should be in place within three calendar days following completion of final grading of exposed soil areas. Erosion and sediment control measures shall be installed prior to any soil land disturbance and must be reviewed and approved by the City of Dover Community Services Department. All swales and drainage structures will be constructed and stabilized prior to having run-off directed to them. Abutting properties will not be adversely affected by this development.** Reference is also made to the Inspection, Operation & Maintenance Manual which has been written specifically for this project and available to the owner.

As this proposed site redevelopment disturbs greater than one acre of land, a Notice of Intent is required to be submitted to the US EPA. This project will be covered by the Construction General Permit. Either a Stormwater Pollution Prevention Plan (SWPPP) or a Stormwater Management Plan (SWMP) as required by the City of Dover will be required. In either case, the requirements of Chapter 153-14 A will be included in the plan.

Perimeter Control (Silt Fence / Silt Soxx / Erosion Control Mix Berm)

The plan set demonstrates the location of perimeter sediment control. The Erosion and Sediment Control Details, Sheet E-101, has the specifications for installation and maintenance of the silt fence, Filtrexx mulch filled Silt Soxx (or approved equal), and Erosion Control Mix Berm. It is noted that the City of Dover prefers the mulch berms as well as the Filtrexx product.

Culvert Inlet Sumps & Cross Culvert w/ Flared End Sections

Description: In one location, to capture the surface water runoff that is trapped within the inside of the residential roadway and residential runoff from back yards, there is a Residential Inlet Sump. This culvert pipe, flared end sections, and constructed sump will collect the runoff that is directed to that location during and after the residential

development. The culvert will allow the runoff to discharge and not allow water to pond to the house elevations in the back yards. The location of the Residential Inlet Sump will be marked and identified with headwall and bollards.

Maintenance Considerations: Vegetation and debris will need to be removed from the culvert inlet several times a year, especially late fall after the majority of the leaves have fallen and in the spring. In addition to the sump and culverts themselves, the drainage channel will need to be inspected to ensure that the runoff intended to get to the inlets is making it to the sump. The identification fence post will be inspected for structural condition and painted condition.

Catch Basins & Drain Manholes

Description: A catch basin consists of a manhole-type structure with an inlet grate, an outlet pipe connected to the piped drainage system, and a minimum sump allowing a boot to accommodate the diameter of the outlet pipe. The inlet grate is located at the surface, and is sometimes combined with a vertical inlet integrated with a street or parking area curb. Deep sumps are not allowed to be constructed due to wildlife considerations. Drain manholes are installed between catch basins and outlets to combine or route runoff.

Maintenance Considerations:
Catch basins may require frequent maintenance. Depending on location, this may require several cleanings of the structure and culvert pipe each year. At a minimum, it is recommended that catch basins be inspected at least twice annually, once following snow-melt and once following leaf drop, and cleaned as indicated by inspection. Sediment should be removed along with any gross solids. If any floating hydrocarbons are observed during an inspection, the material should be removed immediately by skimming, absorbent materials, or other method and disposed in conformance with applicable state and federal regulations. Cleaning may require Vacuum-truck and pressure hose. Manholes will be inspected and cleaned on a similar schedule.

Conveyance Swales

Description: "Swales are stabilized channels designed to convey runoff at non-erosive velocities." (NHDES SWM) They will be trapezoidal or parabolic in section view. A conveyance swale is intended to move surface water runoff from one point to another where as a treatment swale will slow the velocity to a point where sediment will settle out of the stormwater flow. A treatment swale will be constructed to a width of between four and eight feet and have a minimum length of 100 feet. The flow characteristics will also meet design criteria. See SWM Volume 2, 4.3 Treatment Practices, 5. Treatment Swales, page 123.

Project Intent: The swales are individually designed in the drainage analysis and specified on the design plans. The designed swales must have greater than 85% vegetated growth prior to receiving runoff. The bottom of a treatment swale must be above the seasonal high water table.

Maintenance Considerations: Grassed swales will be inspected twice annually, removing accumulated sediment and gross solids. Grass will be mowed periodically but to a depth of not less than 4 inches. Any damage to the vegetation will be repaired and woody vegetation and invasive vegetation will be removed.

Water Quality Inlet

Description: A water quality inlet is an underground storage structure with multiple chambers, designed to capture coarse sediments, floating debris, and some hydrocarbons from stormwater runoff. Such inlet devices are typically used for pretreatment of runoff prior to discharge to another treatment practice. The devices use baffles with weirs or orifices to control flow and help capture sediment, and inverted baffles or hooded outlets to help capture floating materials. Depending on the design of the unit and the magnitude of peak flow events, the captured sediments may be subject to re-suspension and flushing from the device. Floating hydrocarbons captured in the unit can be removed for disposal during maintenance operations by skimming or by use of sorbent materials. Note, however, that hydrocarbons carried by stormwater frequently are dispersed in suspension or adsorbed to fine-grained sediment particles or organic materials, and may not necessarily be captured in the unit. To limit potential for re-suspension of captured materials, the device is usually designed as an "off-line" unit sized for the Water Quality Flow. Larger storm events would then bypass the unit. See SWM Volume 2, 4-4.4 Flow-Though Devices, Water Quality Inlet, page 148.

Maintenance Considerations: Inspect Water Quality Inlet quarterly. Remove and legally dispose of floating debris at each inspection. Remove sediment when inspection indicates depth is approaching half the depth to the lowest orifice or other outlet in the first chamber baffle. However, it is recommended that the unit be cleaned at least once per year; Remove floating hydrocarbons immediately whenever detected by inspection; Dispose of sediments and other wastes in conformance with applicable local, state, and federal regulations.

Infiltration Rain Garden (Bio-Retention System)

Design Intent: An infiltration rain garden (P-106) is designed and located to intercept surface water runoff from compacted gravel surfaces discharging from roadside swales and conveyance swales.

Description: A bioretention system (sometimes referred to as a "rain garden") is a type of filtration BMP designed to collect and filter moderate amounts of stormwater runoff using conditioned planting soil beds, gravel beds and vegetation within shallow depressions. The bioretention system may be designed with an underdrain, to collect

treated water and convey it to discharge, or it may be designed to infiltrate the treated water directly to the subsoil. (In this case it is designed to infiltrate.) Bioretention cells are capable of reducing sediment, nutrients, oil and grease, and trace metals. Bioretention systems should be sited in close proximity to the origin of the stormwater runoff to be treated. The major difference between bioretention systems and other filtration systems is the use of vegetation. A typical surface sand filter is designed to be maintained with no vegetation, whereas a bioretention cell is planted with a variety of shrubs and perennials whose roots assist with pollutant uptake. The use of vegetation allows these systems to blend in with other landscaping features. See SWM Volume 2, 4-3.4c, Treatment Practices, Bio-Retention System, page 110. Qualified Professionals such as Berry Surveying & Engineering, as retained, or another qualified professional as retained shall be retained for drainage and invasive species inspections.

Construction Considerations: After the stone and bio-media has been installed, Filtrexx Silt Soxx, or approved equal, will be installed at the toe of slope, at the intersection between the berm and bio-media. This will remain until the slopes of the berm are stable. This specification is intended to protect the bio-media.

Do not traffic exposed soil surface with construction equipment. If feasible perform excavations with equipment positioned outside the limits of the infiltration components of the system.

See Erosion and Sediment Control Plan. It is recommended that the contractor take measures to protect the infiltration surface from sedimentation caused by erosion on the side slopes tracking is not permitted on the infiltration surface. Excavations should take place on the outside limits of the infiltration system where feasible. If tracking does take place, scarification is required prior to be backfill of loam and seed.

After the infiltration system area is excavated to the final design elevation, the floor should be deeply tilled with a rotary tiller or disc harrow to restore infiltration rates, followed by a pass with a leveling drag. Do not place infiltration systems into service until the contributing areas have been fully stabilized.

BS&E to inspect the bottom of excavation prior to the installation of select materials. Remove all organic material prior to select materials. Grade to be returned with granular materials.

Maintenance Considerations: Systems should be inspected at least twice annually, and following any rainfall event exceeding 2.5 inches in a 24-hour period, with maintenance or rehabilitation conducted as warranted by such inspection. Pretreatment measures should be inspected at least twice annually, and cleaned of accumulated sediment as warranted by inspection, but no less than once annually. Trash and debris should be removed at each inspection. At least once annually, system should be inspected for drawdown time. If bioretention system does not drain within 72-hours following a rainfall event, then a qualified professional should assess the condition of the facility to determine measures required to restore filtration function or infiltration function (as

applicable), including but not limited to removal of accumulated sediments or reconstruction of the filter media. Vegetation should be inspected at least annually, and maintained in healthy condition, including pruning, removal and replacement of dead or diseased vegetation, and removal of invasive species. All 2:1 side slopes within the BMP will be maintained via weedwhacker.

Rip Rap Outlet Protection

Description: Outlet Protection consists of a riprap apron or preformed scour hole that is designed to provide velocity reduction of the surface water run-off that is leaving a culvert. The design is dependent on the culvert size, soil conditions, velocity, and quantity of the run-off. There are to be no bend or curves at the intersection of the conduit and apron. Ref.: NHDES SWM Volume 2, Section 4-6 Conveyance Practices, 6. Outlet Protection and 1. Detention Ponds, Note 3, Page 158.

Maintenance Considerations: The riprap outlet protection will be inspected annually for damage, which must be corrected immediately. Any sediment buildup will be removed and disposed of correctly. This material will be cleaned out along with any gross solids and disposed of properly. (See invasive species below) Any rip rap that has been displaced from the original construction will be repaired, especially recreating the level lip.

Vegetated Stabilization

All areas that are disturbed during construction will be stabilized with vegetated material within 30 days of breaking ground. Construction will be managed in such a manner that erosion is prevented and that no abutter's property will be subjected to any siltation, unless otherwise permitted. All areas to be planted with grass for long-term cover will follow the specification and on Sheet E-102 using seeding mixture C, as follows:

Mixture	Pounds per Acre	Pounds per 1,000 Sq. Ft.
Tall Fescue	24	0.55
Creeping Red Fescue	24	0.55
Total	**48**	**1.10**

Conservation Mix

Virginia Wild Rye	Native	FACW-
Little Bluestem	Native	FACU
Big Bluestem	Native	FAC
Red Fescue	Native	FACU
Switch Grass	Native	FAC
Partridge Pea	Native	FACU
Showy Tick Trefoil	Native	FAC
Butterfly Milkweed	Native	NI

Beggar Ticks	Native	FACW
Purple Joe Pye Weed	Native	FAC
Black Eyed Susan	Native	FACU-
Total	**25**	**0.57**

Conservation Mix to be provided by New England Wetland Plants, Inc., Amherst, MA as outline in their New England Conservation / Wildlife Mix or approved equal. Mix to be applied at a rate of 25 lbs. per acre or one-lb. per 1750 square feet. Ratio of seed is proprietary and substitutions are not allowed.

Conservation Mix will be used to stabilize all 2:1 slopes and all land area disturbed within the wetland buffer. (If applicable).

Rain Garden Mix: The grass that is planted within an infiltration rain garden will be a mix designed for both inundation and dry conditions such as Ernst Seeds, Retention Basin Floor Mix ERNMX-126.

Stabilized Construction Entrance

A temporary gravel construction entrance provides an area where mud can be dislodged from tires before the vehicle leaves the construction site to reduce the amount of mud and sediment transported onto paved municipal and state roads. The stone size for the pad should be 3" coarse aggregate, and the pad itself constructed to a minimum length of 75' for the full width of the access road. The aggregate should be placed at least six inches thick. A plan view and profile are shown on Sheet E-101- Erosion & Sediment Control Detail Plan. (If applicable).

Environmental Dust Control

Dust will be controlled on the site by the use of multiple Best Management Practices. Mulching and temporary seeding will be the first line of protection to be utilized where problems occur. If dust problems are not solved by these applications, the use of water and calcium chloride can be applied. Calcium chloride will be applied at a rate that will keep the surface moist but not cause pollution.

Inlet Protection / Storm Drain Inlets

Storm drain inlet protection will be installed per the Erosion & Sediment Control Details as a sediment barrier installed around a storm drain inlet, catch basin, or curb inlet to reduce sediment intrusion into a system after it has been constructed and existing catch basins. These are to be constructed in accordance with the Erosion & Sediment Control Details, Sheet E-101 and maintained after every rain event.

At a minimum, you must comply with following (EPA CGP Part 2.1.2.9.b) "Clean, or remove and replace, the protection measures as sediment accumulates, the filter becomes clogged, and/or performance is compromised. Where there is evidence of sediment

accumulation adjacent to the inlet protection measure, you must remove the deposited sediment by the end of the same work day in which it is found or by the end of the following work day if removal by the same work day is not feasible."
It is vital in the construction of this site that the existing MS4 drainage system not be impacted by sediment. See also sediment track out below.

Stockpiled Sediment or Soil

Stockpiled materials including topsoil, excavated materials, borrow materials imported onto the site, construction aggregates, and sediment removed from temporary sediment traps will be located in designated areas at least 50 feet away form concentrated flows. All stockpiles will have erosion protection in the form of silt fence and diversion swales will be applied to protect the material and surrounding areas. Inactive stockpiles will be seeded for temporary stabilization. Erosion control measures will be inspected in accordance with the schedule for all other activities on site.

At a minimum, you must comply with following (EPA CGP Part 2.1.2.4d) "Do no hose down or sweep soil or sediment accumulated on pavement or other impervious surfaces into any stormwater conveyance (unless connected to a sediment basin, sediment trap, or similar effective control,) storm drain inlet, or surface water."

Dewatering Practices

Dewatering practices are not known to be required on this site. If during construction this becomes required, an addendum will be published specific for the requirements. As a general rule, ground water that needs to be removed from an excavation will be pumped to a sediment basin or a storm drain inlet prior to discharge from the site.

At a minimum, you must comply with following (EPA CGP Part 2.1.3.4) "With backwash water, either haul it away for disposal or return it to the beginning of the treatment process; and replace and clean the filter media used in dewatering devices when the pressure differential equals or exceeds the manufacturer's specifications."

Regarding dewatering practices in the State of New Hampshire, specifically see Construction General Permit Section 9.1.2 NHR12000 State of New Hampshire and "Clarification of Section 9.1.2 … and other New Hampshire specific information for the U.S. EPA 2012 NPDES Construction General Permit (CGP), May 3, 2012"

Please be advised that should dewatering become required, the EPA CGP 2022 requires daily inspections, monitoring, and reporting quarterly to the agency.

Construction Sequence

1. Cut and remove trees in construction area only as required.

2. Construct and/or install temporary and permanent sediment erosion and detention control facilities as required.

3. Erosion, sediment and detention control facility shall be installed & stabilized prior to any earth moving operation & or directing runoff to them.

4. Clear, cut and dispose of debris in approved facility.

5. Construct temporary culverts as required, or directed.

6. Construct roadways for access to desired construction areas. All roads shall be stabilized immediately.

7. Start building construction.

8. Install pipe and construction associated appurtenances as required or directed. Install rain gardens. All disturbed areas shall stabilized immediately after grading.

9. Begin permanent and temporary seeding and mulching. All cut and fill slopes and disturbed areas shall be seeded or mulched as required, or directed. No area is allowed to be disturbed for a length of time that exceeds 45 days before being stabilized. Daily, or as required. All roadways and parking areas shall be stabilized within 72 hours of achieving finished grades. All cut and fill slopes shall be stabilized within 72 hours of achieving finished grades.

10. Construct temporary berms, drains ditches, silt fences, sediment traps, etc. mulch and seed as required.

11. Inspect and maintain all erosion and sediment control measures during construction.

12. Complete permanent seeding and landscaping.

13. Remove temporary erosion control measures after seeding areas have established themselves and site improvements are complete.

14. Smooth and revegetate all disturbed areas.

15. Finish paving all roadways.

Temporary Erosion Control Measures

1. The smallest practical area of land shall be exposed at any one time.

2. Erosion, sediment and detention measures shall be installed as shown on the plans and at locations as required, directed by the engineer.

3. All disturbed areas shall be returned to original grades and elevations. Disturbed areas shall be loamed with a minimum of 4" of loam and seeded with not less than one pound of seed per 50 square yards of area. (see seed specifications this sheet)
4. All disturbed areas will be restabilized within 45 days. At any one time, no more than 5 acres, (217,800 Sq. Ft.) Will be disturbed.

5. Silt fences and perimeter barriers shall be inspected periodically and after every rain during the life of the project. All damaged areas shall be repaired, sediment deposits shall periodically be removed and disposed of.

6. After all disturbed areas have been stabilized, the temporary erosion and sediment control measures are to be removed and the area disturbed by the removal smoothed and re-vegetated.

7. Per the EPA CGP requirements there will be reports of the erosion control inspections IAW SWPPP prepared by BS&E. All erosion controls shall be inspected weekly and within 24 hours after 0.25" or greater rain event.

8. Ditches, swales, and basins shall be stabilized prior to directing runoff to them.

9. Do not traffic exposed soil surfaces with construction equipment. If feasible, perform excavations with equipment positioned outside the limits of the infiltration system.

10. Roadways, driveways and cut and fill slopes must be stabilized within 72 hours of achieving final grade.

11. Stabilization means:

11.1. A minimum of 85% of vegetative cover has been established.

11.2. A minimum of 3 inches of non-erosive material such as stone or rip rap has been installed, or

11.3. Erosion control blankets have been installed.

12. This project is to be managed in a manner that meets the requirements and intent of RSA 430:53 and chapter AGR 3800 relative to invasive species.

13. The NHDES stormwater manual, in three volumes, dated December 2008, is a part of this plan set and the more restrictive will govern. (NH SWM)

Inspection and Maintenance Schedule

Sediment control measures will be inspected during and after storm events to ensure that the practice still has integrity and is not allowing sediment to pass. Depending on SWPPP criteria, all controls will be inspected once every 7 days and after storm events. Inspection reports must be submitted to City of Dover Engineering Department. Sediment build-up in swales and level spreaders will be removed if it is deeper than six inches. See also Stormwater System Operation: Inspection & Maintenance Manual published separately also by Berry Surveying & Engineering. See also Storm Water Pollution Prevention Plan (SWPPP) and / or Stormwater Management Plan (SWMP) developed in accordance with EPA NPDES or City of Dover requirements.

Corrective Action measures will be made in accordance with Stormwater Management Plan (SWMP) / SWPPP requirements and records maintained on site by the Contractor.

5.0 Demonstration of Compliance with Dover Chapter 153-14

The following list of standards from chapter 153-14 are shown to demonstrate compliance with Dover stormwater regulations, starting with section 3: Design Standards. Our demonstration of compliance is *italicized* after each standard:

(3) Design standards.

(a) Minimum protections and management standards.

[1] Where applicable, all development must comply with the EPA Phase II Stormwater Rules and the City's MS4 permit, as amended.

Acknowledgement of project compliance with the EPA Phase II stormwater rules is shown on the Erosion and Sediment Control Notes on the General Notes (sheet #2) as referenced by the E&SC Plan (sheet #19).

[2] Existing surface waters, including ponds, rivers, perennial and intermittent streams (natural or channelized), and wetlands (including vernal pools), shall be protected by the minimum buffer setback as specified in Chapter **170**, Zoning, § 170-27.1. Stormwater and erosion and sediment control best management practices (BMPs) shall be located outside the specified buffer zone unless otherwise approved by the Planning Board.

There are no wetlands/wetland buffers located on the subject parcel.

[3] Low-impact development (LID) site planning and design strategies shall be used to the most extent practicable (MEP) in order to reduce the generation of the stormwater runoff volume for both new and redevelopment projects. An owner/applicant must document why LID strategies are not appropriate if not used to manage stormwater.

Please find Infiltration Rain Garden design, sheet #13. This LID is proposed for the project due to infiltration capacity of the existing soil. A reduction in stormwater runoff volume will occur from the implementation of the LID. See comparative analysis in section 3.1.

[4] All proposed stormwater practices and measures shall be installed and maintained in accordance with manufacturers' specifications and performance specifications outlined in the New Hampshire Stormwater Management Manual Volume 2 (December 2008 or current revision) a copy of which can be found on the NHDES website.

Please find Inspection & Maintenance Manual included in the drainage binder. See E-101 & E-102 with references to the New Hampshire Stormwater Manual (NH SWM).

[5] All storage facilities for fuel, chemicals, chemical or industrial wastes, and biodegradable raw materials shall meet the regulations of the NHDES, including but not limited to those involving underground storage tanks, aboveground storage tanks, hazardous waste and best management practices for groundwater protection (Part Env-Wq 401).

Please find note #8 on the Erosion & Sediment Control Notes on the General Notes Plan sheet. Prior to construction, a stormwater pollution prevention plan will be developed in accordance with US EPA CGP 2022.

[6] Salt and other deicing materials shall be stored under cover or located such that no direct discharges to receiving waters are possible. Snow storage areas shall be located such that no direct discharges to receiving waters are possible. See the NHDES guidance fact sheet on road salt and snow disposal.

Please find the topic Snow Storage Areas & Winter Maintenance within the Inspection & Maintenance Manual included in the drainage binder.

[7] The use of sodium-chloride-based materials for winter maintenance shall be the minimum necessary for safety. The use of sodium-chloride-based materials is discouraged within the groundwater protection districts.

Please find the topic Snow Storage Areas & Winter Maintenance within the Inspection & Maintenance Manual included in the drainage binder.

[8] Impervious surfaces for parking areas and roads shall be minimized to the extent possible.

Parking and road surfaces have been minimized to the extent practical. Landscaping has been proposed throughout with no additional pavement other than the parking and traveled ways

[9] Stormwater runoff from new impervious surfaces shall be directed to a best management practice for flow mitigation, treatment and/or infiltration.

Stormwater runoff is conveyed to Infiltration Rain Garden #106 and infiltrated. Landscaped areas provide incremental infiltration throughout the site.

(b) Stormwater management for new development.

[1] Runoff of impervious surfaces shall be treated to provide 80% removal of total suspended solids (TSS) and 50% removal of both total nitrogen and phosphorus. Removal rates shall be determined using approved manufacturer's pollutant removal efficiency analysis or the pollutant removal efficiencies outlined in the New Hampshire Stormwater Management Manual Volume 1, Appendix E (December 2008 or current revision), a copy of which is available from the NHDES website.

Utilizing this standard and guidance from the Pollutant Removal Efficiencies for the NH Stormwater Manual, Volume 2, the design can expect to see the following annual performance standards for an ***Bioretention System***

- *Total Suspended Solids (TSS) reduction of 90%*
- *Total Nitrogen (TN) reduction of 65%*
- *Total Phosphorous (TP) reduction of 65%*

[2] Rainfall amount shall be based on current extreme precipitation estimates obtained from the Northeast Regional Climate Center.

Extreme Precipitation Tables are included in the drainage binder and have been used for analysis. 15% coastal escalation has been provided.

[3] Measures shall be taken to control the post-development peak rate runoff so that it does not exceed predevelopment runoff for the two-, ten-, twenty-five- and fifty-year, twenty-four-hour storm events.

Please find comparative analysis in Section 3.1 for the demonstration of a reduction in peak rate at the final reaches.

[4] Measures shall be taken to control the post-development surface water runoff volume so that it does not exceed predevelopment runoff for the two-, ten-, twenty-five- and fifty-year, twenty-four-hour storm events. For sites where infiltration/recharge is limited or not practicable, the owner/applicant must demonstrate that the project will not cause or contribute to flooding or functional impairments to streets, adjacent properties, and downstream properties.

Please find comparative analysis in Section 3.1 for the demonstration of a reduction in volume at the final reaches

[5] Infiltration rates for designing groundwater recharge practices shall be determined in accordance with Section Env-Wq 1504.14.

Infiltration rates for designing groundwater recharge practices have been determined in accordance with Section Env-Wq 1501.14. Soil type 26 C,D & E (Windsor derivation) is able to infiltration at a rate of 3in/hr after a factor of safety of two applied.

[6] Stormwater conveyance practices shall be sized appropriately to convey the ten-year, twenty-four-hour storm event without overtopping or causing flooding on the property.

All Practices have been sized within these parameters. Infiltration Sump #30P provides 1.28' of freeboard at the 10YR-24HR event. Infiltration Rain Garden #106 provides 3.01' of freeboard at the 10YR-24HR event.

[7] For large projects adding greater than or equal to 10 acres of impervious cover, or projects located in known areas of flooding concern, or specifically within areas with a 1% chance of being inundated by water in any given year, the owner/applicant shall submit a supplementary report that describes how the project will not increase the future flooding potential and complies with the AoT requirements pertaining to floodplain impacts as described in Section Env-Wq 1503.09, regardless of whether an AoT permit is required.

This standard is not applicable for this project.

[8] The design of the stormwater management systems shall take into account upstream and upgradient runoff that flows onto, over, or through the site to be developed or redeveloped and provide for this contribution of runoff.

Off-site stormwater flow has been accounted for in the project design. Please find watershed sheets within the drainage binder.

[9] Seasonal high-water table elevations must be accounted for in all BMP design criteria.

The seasonal high-water table elevations are shown in the Infiltration Rain Garden #106 Plan, sheet #13.

[10] Access for maintenance of stormwater facilities must be included as part of the design, where necessary. Access easements may be required.

The practice is accessible via Cold Springs Road.

[11] Plantings in treatment areas shall be native grasses, shrubs and/or other native plants in sufficient numbers and density to prevent soil erosion and to achieve water-quality treatment.

See section 4.0 of this narrative for BMP plantings and stabilization seeding descriptions. The applicant is following USDA NRCS seeding recommendations.

(c) Stormwater management for redevelopment. In order to determine the stormwater requirements for redevelopment projects, the percentage of the site covered by existing impervious areas must be calculated. Stormwater requirements for redevelopment will vary based upon the amount of site surface area that is covered by existing impervious surfaces.

These standards are not applicable for this project.

[1] For sites meeting the definition of a redevelopment project and having less than 40% existing impervious surface coverage, the stormwater management requirements will be the same as new development projects, with the important distinction that the applicant can meet those requirements either on site or at an approved off-site location (i.e., off-site mitigation). The applicant must satisfactorily demonstrate that impervious area reduction, LID strategies and BMPs have been implemented on site to the MEP.

[2] For sites meeting the definition of a redevelopment project and having more than 40% existing impervious surface coverage, stormwater shall be managed in accordance with one or more of the following techniques, listed in order of preference:

[a] Implement measures on site that result in mitigation and treatment of at least 30% of the existing impervious cover as well as 50% of the additional proposed impervious surfaces and pavement areas through the application of LID; or

[b] Implement other LID techniques on site to the MEP to provide mitigation and treatment for at least 50% of the entire site area.

[3] The owner/applicant may utilize off-site mitigation to meet the redevelopment requirements when the following standards have been met:

[a] The owner/applicant shall demonstrate, to the satisfaction of the Planning Board, that on-site treatment has been implemented to the MEP.

[b] The owner/applicant shall find an approved, off-site location within the same watershed as the project site or within the drainage area of the same receiving water body.

[c] Off-site mitigation shall be equivalent to no less than the total area of impervious cover not treated on site.

[d] The owner/applicant shall submit a full design of the proposed off-site measures for review and approval.

[e] The owner/applicant must also demonstrate that there is no downstream drainage or flooding impact as a result of not providing on-site management.

(d) Erosion control standards during construction. The following standards shall be applied in project planning and shall be implemented prior to and during construction activity:

[1] All proposed measures shall meet, at a minimum, the design standards for best management practices set forth in the New Hampshire Stormwater Management Manual Volume 3 (December 2008 or current revision), a copy of which is available from the NHDES website.

See Inspection & Maintenance Manual and Erosion & Sediment Control Plans, sheet #19. See also E&SC Notes on the General Notes (sheet #2)

[2] When a project requires a stormwater permit from the EPA Construction General Permit (CGP) Program, copies of the stormwater pollution prevention plan (SWPPP) inspections shall be provided to the Community Services Department.

Copies will be provided when developed and published prior to NOI submittal and construction included with the Stormwater Pollution Prevention Plan (SWPPP). Inspection reports will normally be forwarded within 24 hours to the Community Services, Engineering Department.

[3] Stripping of vegetation shall be done in a manner that minimizes soil erosion. Whenever practical, natural vegetation shall be retained, protected, or supplemented.

There is to be no disturbance outside of the limit of construction. Erosion & sediment control measures are to be in place prior to the start of land grubbing. See Erosion & Sediment Control Plan (sheet #19) and E&SC Notes on the General Notes Plan (sheet #2).

[4] The area of land disturbance shall be kept to a minimum and be limited to an area only large enough to accommodate construction activities for a particular construction phase.

The limit of disturbance is to be staked prior to the beginning of construction. The project is proposed as one phase.

[5] Off-site surface water and runoff from undisturbed areas shall be diverted away from disturbed areas where feasible, or measures to convey stormwater through the project area without causing erosion of sediment must be included. Integrity of downstream drainage systems shall be maintained.

Please find Erosion & Sediment Control Plan, sheet #19.

[6] Appropriate erosion and sediment control measures shall be installed prior to any soil land disturbance and must be reviewed and approved by the Community Services Department.

Please find Erosion & Sediment Control Plan, sheet #19.

[7] Perimeter site controls shall not be placed within wetland areas, stream channels or wetland buffers.

There are no wetland areas, stream channels, or wetland buffers within 50' of the subject parcel.

[8] Disturbed soil areas shall be either temporarily or permanently stabilized. In areas where final grading has not occurred, temporary stabilization measures should be in place within seven calendar days for exposed soil areas that are within 100 feet of a surface water body or a wetland and no more than 14 calendar days for all other areas. Permanent stabilization should be in place within three calendar days following completion of final grading of exposed soil areas.

Please find Erosion & Sediment Control Plan (sheet #19) and E&SC Notes on the General Notes Plan (sheet #2), Inspection & Maintenance Manual, and Construction Detail Sheets E-101 & E-102.

[9] All temporary erosion and sediment control measures shall be maintained in functioning condition until final site stabilization is accomplished. A proposed BMP inspection schedule shall be included in the submittal.

Please find Erosion & Sediment Control Plan (sheet #19) and E&SC Notes on the General Notes Plan (sheet #2), Inspection & Maintenance Manual.

[10] Additional temporary stabilization for the winter season consistent with NHDES guidelines shall be in place for disturbed areas that are not

permanently stabilized by October 1, or at the discretion of the Community Services Department.

Please find winter stabilization note E22, sheet E-102.

[11] Special stabilization details shall be provided with the submission for any land disturbance on slopes equal to or steeper than 3:1.

Please find Rolled Erosion Control Blanket (RECB) Slope Stabilization Detail E21, sheet E-102.

[12] All temporary erosion and sediment control measures shall be removed after final site stabilization. Trapped sediment and other disturbed soil areas resulting from the removal of temporary measures shall be permanently stabilized within 30 calendar days unless conditions dictate otherwise.

Please find Inspection & Maintenance Manual containing this statement.

[13] For projects proposing to disturb and expose soils in areas of 10 acres or more at one time, a temporary (or permanent) sediment basin must be provided with storage for a calculated volume of runoff from a drainage area from a two-year, twenty-four-hour storm, or equivalent control measures, where attainable, until final stabilization of the site. Alternatively, the sediment basin can be sized to provide 3,600 cubic feet of storage per acre of drainage area until final stabilization of the site. In determining appropriate locations and number of sediment basins needed, the operators may consider such factors as erodibility of site soils, slope lengths, available area on site, construction period and other unique site considerations.

This standard is not applicable for this project.

[14] Use of temporary sediment basins should avoid any additional vegetation clearing or site land disturbance not otherwise needed for post-construction. Sediment basin locations must be reviewed by the Community Services Department prior to construction and must consider the potential for off-site impacts, including public safety, especially as it relates to sediment movement and/or sediment basin failure, and alternative sediment controls must be used where site limitations preclude a safe design.

The limit of construction is not to be expanded beyond the staked limit of construction.

(e) Installation and construction inspections. The owner/applicant shall be responsible for inspection requirements as follow:

[1] The Community Services Department or its designated agent shall have access to the site to complete routine inspections.

The applicant acknowledges this standard. This is shown as note #10 E on the General Notes Plan (sheet #2).

[2] The Community Services Department shall be notified 24 hours prior to installation of a stormwater BMP in order to schedule an inspection. These inspections shall be completed during normal working hours.

The applicant acknowledges this standard. This is shown as note #10 E on the General Notes Plan (sheet #2).

[3] The Planning Board or Community Services Department may require the design engineer and/or an independent third party to provide inspection and oversight of the construction of the stormwater management facilities and erosion and sediment control measures at its discretion. Such oversight may be especially important for implementing techniques such as porous pavement or subsurface stormwater infiltration systems. The owner/applicant shall be responsible for all fees associated with third-party inspections.

The applicant acknowledges this standard. This is shown as note #10 F on the Erosion & Sediment Control Notes on sheet #2 as referenced from the E&SC Plan (sheet #19).

[4] All SWPPP inspections must be conducted by a qualified professional such as a professional engineer (PE), a certified professional in erosion and sediment control (CPESC), a certified erosion sediment and stormwater inspector (CESSWI), or a certified professional in stormwater quality (CPSWQ). Inspection reports shall be submitted to the Community Services Department.

The applicant acknowledges this standard.

[5] The owner is ultimately responsible for the installation, construction, inspection, and disposition of all stormwater management and erosion control measures required by the provisions of these regulations.

The applicant acknowledges this standard.

(f) Stormwater management plan (SWMP) submittal requirements. At the discretion of the Planning Board or Community Services Department, a technical review by an independent third party may be required of any SWMP prepared under these regulations. Such a review shall be performed by a qualified professional consultant and the expense of which shall be the full responsibility of the owner/applicant.

The applicant acknowledges this standard.

[1] For projects requiring minimum protection standards, a plan including the following information shall be submitted:

[a] Description of erosion and sediment control measures as well as sequence for final stabilization of the project site.

Please find Erosion & Sediment Control Plans, sheet #19.

[b] Proposed changes in impervious cover areas and any changes in pre- and post-development drainage patterns.

Please find W1 Existing watershed and W2 Proposed watershed plans within the drainage binder.

[c] Description of LID proposed measures.

Please see section 4.0 of this drainage narrative. Low impact development measures include the implementation of Infiltration Rain Garden #106.

[2] For projects requiring new development or redevelopment standards, a drainage report that contains the following items shall be submitted:

[a] Description of construction period and earth movement schedule, including anticipated project start and completion dates, sequence and duration of grading and construction activities, sequence and timing of installation and/or application of soil erosion and sediment control measures as well as sequence for final stabilization of the project site.

Please find section 4.0 in this drainage narrative containing the construction sequence and sheet E-102.

[b] Description of the on-site and adjacent wetlands, streams and other water resources, including methods used to identify these resources, and a description of any buffer setbacks that may apply, steep slopes, critical habitat, existing vegetation, areas with a 1% chance of being inundated by water in any given year, and whether any downstream water bodies are listed as impaired according to NHDES's most recent 303(d) list.

Please find Existing Conditions Plans, sheet #3. There are no wetlands, or flood zones within the subject parcel. Likely man-made steep sandy cut slopes exist on site

[c] Soils information for proposed disturbed areas shall be delineated by a certified soil scientist. For all other areas that contribute runoff to the project site, soil types may be identified in accordance with Natural Resources Conservation Service (NRCS) countywide soil survey.

Please find Site Specific Soils Survey (sheet #4) and W-1 Existing Watershed Plan.

[d] Description of existing drainage patterns, receiving water bodies or drainage infrastructure and soil types for recharge potential.

Please find W-1 Existing Watershed Plan, Site Specific Soils Survey (sheet #4).

[e] Watershed area limits, including any off-site and upstream areas contributing flow to shared drainage channels and/or infrastructure.

Please find W-1 Existing Watershed Plan & W-2 Proposed Watershed Plan within the drainage binder.

[f] Description of proposed changes in impervious cover areas and any changes in pre- and post-development drainage patterns.

Please find sections 1.0 and 2.0 of this narrative as well as W-1 Existing Watershed Plan, Existing Drainage Analysis, W-2 Proposed Watershed Plan & Proposed Drainage Analysis.

[g] Methods and assumptions used to calculate pre- and post-development runoff volume, peak discharge, and discharge velocity for the specified design storm events.

Please find Section 1.0 & 2.0 of this drainage narrative discussing the existing and proposed development conditions.

[h] Methods and assumptions used to calculate the pollutant load removal.

Utilizing this standard and guidance from the Pollutant Removal Efficiencies for the NH Stormwater Manual, Volume 2, the design can expect to see the following annual performance standards for an ***Bioretention System***

- *Total Suspended Solids (TSS) reduction of 90%*
- *Total Nitrogen (TN) reduction of 65%*
- *Total Phosphorous (TP) reduction of 65%*

[i] Description of LID measures that are proposed to limit the development footprint, preserve existing vegetation and mimic existing hydrology to the extent feasible.

Please see section 4.0 of this drainage narrative. Low impact development measures include the implementation of an infiltration rain garden.

[j] If not used, provide rationale why LID measures are not practical for the site.

An infiltration rain garden is being utilized.

[k] Describe measures and calculations for proposed practices used to achieve no net increase in runoff volumes leaving the site.

Please find comparative analysis demonstrating compliance with the 2-100YR 24Hr storm events.

[l] Provide calculations for the infiltration or exfiltration system.

Please find Infiltration Feasibility Study in Drainage Binder.

[m] If an increase in post-development runoff volume is anticipated due to limited applicability for LID measures and site constraints, provide an assessment and supporting calculations to demonstrate no adverse impacts to downstream infrastructure, adjacent properties or aquatic habitat.

There is no increase in post-development runoff volume due to the infiltration proposed to occur due to the implementation of an LID device being an infiltration rain garden.

[n] Descriptions, details, and design criteria and calculations for all structural, nonstructural, permanent, and temporary erosion and sedimentation control measures and BMPs. This information should include seeding mixtures and rates, types of sod, methods of seedbed preparation, expected seeding dates (or limitations on seeding time frames), type and rate of lime and fertilizer application, and type and quantity of mulching for temporary and permanent control facilities.

Please find section 4.0 of this narrative, the Inspection & Maintenance Manual and Plan, as well as the Erosion & Sediment Control Plan. Type and rate of lime and fertilizer will be determined on site by testing the topsoil for requirements.

[o] Where proposed changes are anticipated within mapped limits of the areas with a 1% chance of being inundated by water in any given year, provide hydrologic and hydraulic analysis to show no net increase in flood elevations.

There is no disturbance proposed within any flood zones.

[p] Proposed schedule for the inspection and maintenance of all erosion control measures on site prior to achieving final site stabilization.

Please find Inspection & Maintenance Manual. EPA and NHDES will require an inspection every 7 days and after a storm event greater than 0.25".

[q] Describe procedures for removing temporary erosion control measures and removal of accumulated sediment captured by such measures.

Please find Inspection & Maintenance Manual.

[r] Any other specific study, calculation, or investigation as requested by the city.

No additional studies or investigations have been requested at this time.

[s] Describe procedures to limit and/or optimize the use of deicing materials and minimize off-site increases in chloride levels in adjacent surface water and groundwater.

Please find Inspection & Maintenance Manual.

[t] Provide a maintenance and inspection plan for post-construction monitoring of stormwater BMPs to ensure long-term performance and functionality, including details of who will be responsible for inspections and maintenance, proposed schedule, documentation, submittal procedures and contingency plans if future maintenance is required.

Please find Inspection & Maintenance Manual and plans.

[u] Provide copies of pertinent state and federal permits.

Copies of all state and federal permits will be provided when received.

(g) Long-term operation and maintenance. The owner shall be responsible for continued inspection and maintenance requirements.

[1] An operation and maintenance manual shall be created with the following information:

A document provided called "Stormwater System Management: Inspection and Maintenance Manual" is provided within the Drainage Binder. Qualified Professionals such as Berry Surveying & Engineering, as retained, or another qualified professional as retained shall be retained for drainage and invasive species inspections.

[a] The names of the responsible qualified professionals who will implement the required reporting, inspections, and maintenance activities.

Please find Inspection & Maintenance Manual.

[b] An inspection checklist, identifying item or BMP, inspection frequency, and components to be inspected. The list shall clearly outline performance thresholds and triggers for maintenance.

Please find Inspection & Maintenance Manual.

[c] Snow and ice removal shall be performed by a contractor certified by the "Green SnoPro" Program, or approved equivalent, following best management practices for the application of deicing materials.

Please find Inspection & Maintenance Manual.

[d] Deicing log to track amount and type of deicing material applied.

Please find Inspection & Maintenance Manual.

[e] A site plan clearly identifying the locations of all stormwater practices to be inspected and maintained.

Please find Inspection & Maintenance Plans within the drainage binder.

[f] Inspection and maintenance log to be submitted to the City of Dover Community Services Department on an annual basis. Documents shall be submitted no later than December 15 of each year.

Please find Inspection & Maintenance Manual.

[2] The owner of record shall record at the Registry of Deeds documentation sufficient to provide notice to all persons that may acquire any property subject to the requirements and responsibilities described in the approved stormwater management plan. The notice shall comply with the applicable requirements for recording contained in RSA 477 and 478. The notice need not set forth the requirements at length, so long as it is sufficient to provide notice to prospective purchasers of the requirements for maintenance and reporting.

Please find note #29 of the General Notes, sheet #2.

6.0 CONCLUSION

Peak rates of runoff are reduced in the post-construction analysis / condition, as compared to the pre-construction peak rates of runoff flow at **Final Reaches #200, #500, & #600.** This reduction occurs during the 2 Yr, 10 Yr, 25 Yr, 50 Yr, and 100 Yr-24 Hr extreme storm events due to the infiltration capabilities of **Infiltration Rain Garden #106**. Per Env-Wq 1507.05(b)(1)(a) the channel protection volume is satisfied by the 2-year, 24-hour post-development peak flow rate being less than the 2-year, 24-hour pre-development peak flow rate. The 2-100 year, 24-hour post-development storm volumes have likewise decreased compared to the pre-development volumes at the final reaches.

A Site Specific, Terrain Alteration Permit (RSA 485: A-17) is required for this site plan due to the area of disturbance being 101,150 SF. A Notice of Intent with the EPA is required and the site will operate in accordance with the City of Dover Chapter 153-14 A Stormwater Management, Erosion Control, and Flood Hazards and the approved Stormwater Management Plan.

Respectfully Submitted,
BERRY SURVEYING & ENGINEERING

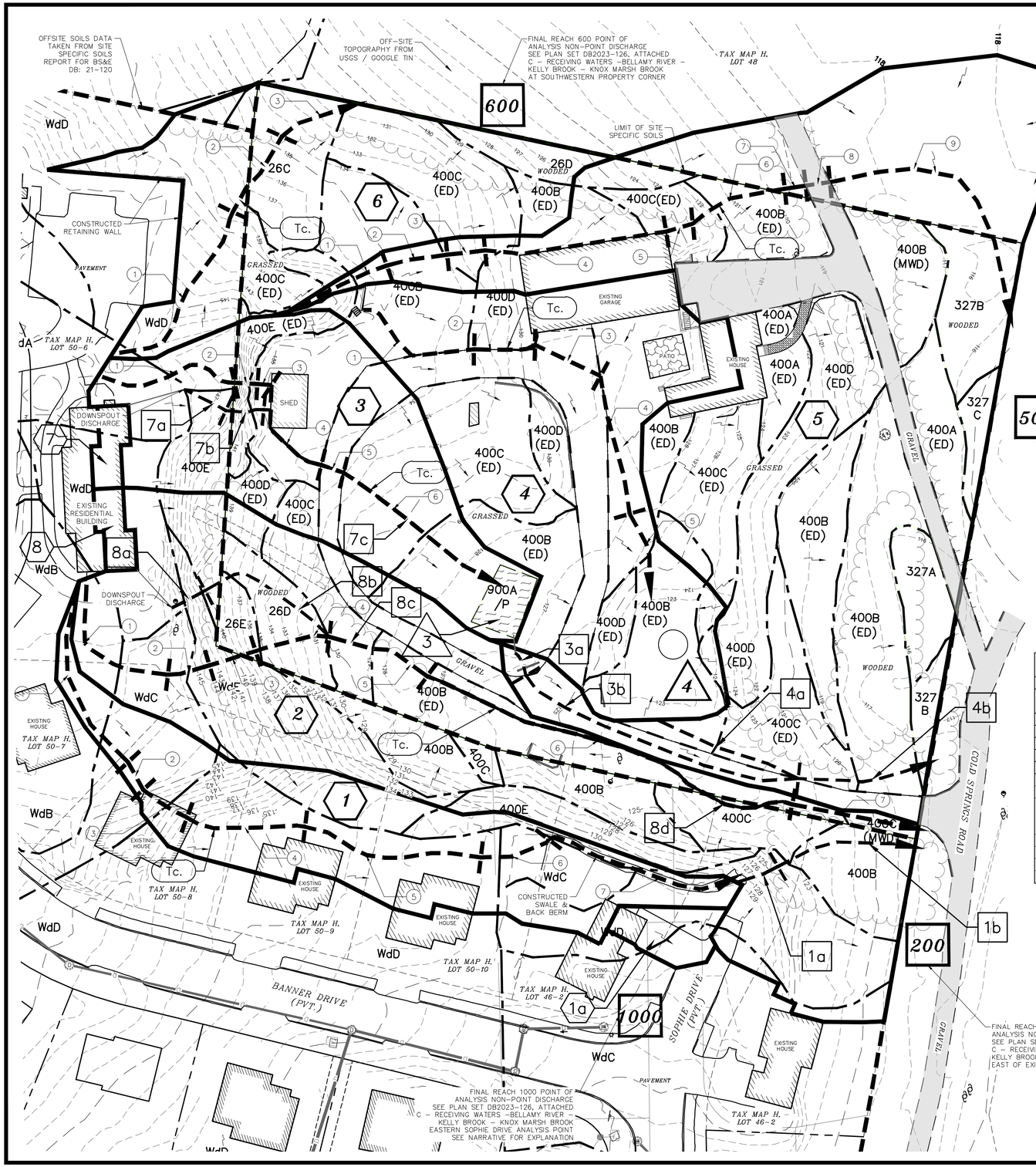
Christopher R. Berry, SIT
Principal, President

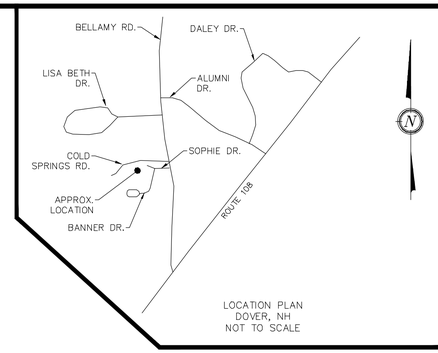
Kenneth A. Berry PE, LLS,
CPSWQ, CPESC, CESSWI
Principal, VP - Technical Operations

Kevin R. Poulin, PE
Project Engineer

Appendix I –Existing Conditions Analysis

25 Yr - 24 Hr. Full Summary
2 Yr - 24 Hr. Node Listing
10 Yr -24 Hr. Node Listing
25 Yr -24 Hr. Node Listing
50 Yr - 24 Hr. Node Listing
100 Yr -24 Hr. Node Listing





LOCATION PLAN
DOVER, NH
NOT TO SCALE

NOTES:

1.) OWNER: 5 SHERMAN STREET LLC
242 CENTRAL AVE
DOVER, NH 03820

APPLICANT: KNOX MARSH DEVELOPMENT LLC
242 CENTRAL AVE
DOVER, NH 03820

2.) TAX MAP H, LOT 47-A

3.) S.C.R.D. BOOK 5190, PAGE 597

4.) LOT AREA: 117,854 Sq. Ft., 2.71 Ac.

5.) THE INTENT OF THIS PLAN IS TO SHOW THE EXISTING WATERSHED CONDITIONS OF TAX MAP H, LOT 47-A.

6.) I HEREBY CERTIFY THAT, TO THE BEST OF MY KNOWLEDGE AND BELIEF, THIS PROPERTY DOES NOT FALL WITHIN THE FLOOD PLAIN FLOOD HAZARD REF: FEMA COMMUNITY #330145, MAP 33017C0320E, DATED: SEPTEMBER 30, 2015.

7.) VERTICAL DATUM BASED ON NAVD88 ELEVATIONS. HORIZONTAL DATUM BASED ON NAD83 STATE PLANE. COORDINATES GATHERED USING CARLSON BRX7 SURVEY GRADE GPS RECEIVERS.

8.) SEE EXISTING CONDITIONS PLAN FOR EXPLANATION OF CONTOURS. SEE SITE SPECIFIC SOIL SURVEY FOR SOILS EXPLANATION.

9.) HYDROCAD USES A SERIES OF NODE SUFFIXES FOR NUMBERING PURPOSES (S=SUBCATCHMENT, P=POND DEVICE, R=REACH), TO SIMPLIFY ANNOTATION THESE SUFFIXES ARE LEFT OFF THE WATERSHED PLANS AND NODE TYPE IS DENOTED BY THE SYMBOL SHAPE ACCORDING TO THE DISPLAYED LEGEND WHICH COINCIDES WITH HYDROCAD GRAPHICS.

10.) REFERENCES WORK FROM ALTERATION OF TERRAIN PERMIT #AoT-2127 (BS&E DB2021-120) FOR BANNER DRIVE AND SOPHIE DRIVE CONSTRUCTION. CONDITIONS SHOWN ARE AS OF THE DATE OF THE AS-BUILT SURVEY. SITE SPECIFIC SOIL CONDITIONS FOR BANNER DRIVE AND SOPHIE DRIVE REFLECT THOSE SHOWN FOR PERMIT #AoT-2127. SEE COLOR WATERSHED SHEETS FOR IMPERVIOUS COVER CLARIFICATION.

SOILS LEGEND

Site Specific Soils			
Symbol	Slopes	Taxonomic Soil Name	Hydrologic Soil Group
26	C,D,E	Windsor	A
327	A,B,C	Windsor Variant (Clay Subsoil)	C
400 (ED)	A,B,C,D,E	Udorthents (Sandy or Gravelly) (Excessively Drained)	A
400 (MWD)	A,B	Udorthents (Sandy or Gravelly Over Silt Loam) (Moderately Well Drained)	A
900	A	Endoaquents (Sandy or Gravelly)	C
Additional Site Specific Soils From Banner Drive			
Wd	C,D,E	Windsor	A
Slopes: A = 0-3% B = 3-8% C = 8-15% D = 15-25% E = 25- 50% F = 50%+ Denominators: /SPD = Somewhat Poorly Drained /P = Poorly Drained /VP = Very Poorly Drained /Rk = Rocky			
NRCS Soils			
Wf	B	Windsor Loamy Fine Sand, Clay Subsoil Variant	A
Ha	B	Hinckley Loamy Fine Sand, Clay Subsoil Variant	A

LEGEND:

	SOIL BOUNDARY
	LIMIT OF SITE SPECIFIC SOIL SURVEY
448A / CtB	NRCS SOIL LABEL
	LIMIT OF SUBCATCHMENT
	TIME OF CONCENTRATION
	DRAINAGE REACH
S.C.R.D.	STRAFFORD COUNTY REGISTRY OF DEEDS
TYP.	TYPICAL
FND	FOUND
P.O.A.	POINT OF ANALYSIS
	PAVEMENT

SYMBOLS LEGEND:

SUBCATCHMENT AREA SYMBOL

FLOW REACH SYMBOL

POND DEVICE SYMBOL

TIME OF CONCENTRATION SEGMENT

GRAPHIC SCALE

30 0 15 30 60 120

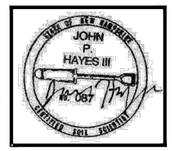
(IN FEET)
1 inch = 30 ft.

WETLAND NOTES:

WETLANDS WERE DELINEATED BY JOHN P. HAYES FEBRUARY 19, 2024

1. REGIONAL SUPPLEMENT TO THE CORPS OF ENGINEERS WETLAND DELINEATION MANUAL: NORTHCENTRAL AND NORTHEAST REGION, (VERSION 2.0) JANUARY 2012, U.S. ARMY CORPS OF ENGINEERS.
2. FIELD INDICATORS OF HYDRIC SOILS IN THE UNITED STATES, A GUIDE FOR IDENTIFYING AND DELINEATING HYDRIC SOILS, VERSION 8.0. UNITED STATES DEPARTMENT OF AGRICULTURE (2016).
3. NATIONAL WETLAND PLANT LIST (CURRENT VERSION).

NO WETLANDS WERE FOUND ON SITE.



JOHN P. HAYES, III CSS #87



JOHN P. HAYES, III CWS #18

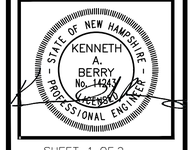
CITY OF DOVER PLANNING FILE #

REVISION	DATE	DESCRIPTION
#1	10-17-24	REVISED UNIT COUNT AND ASSOCIATED MODIFICATIONS

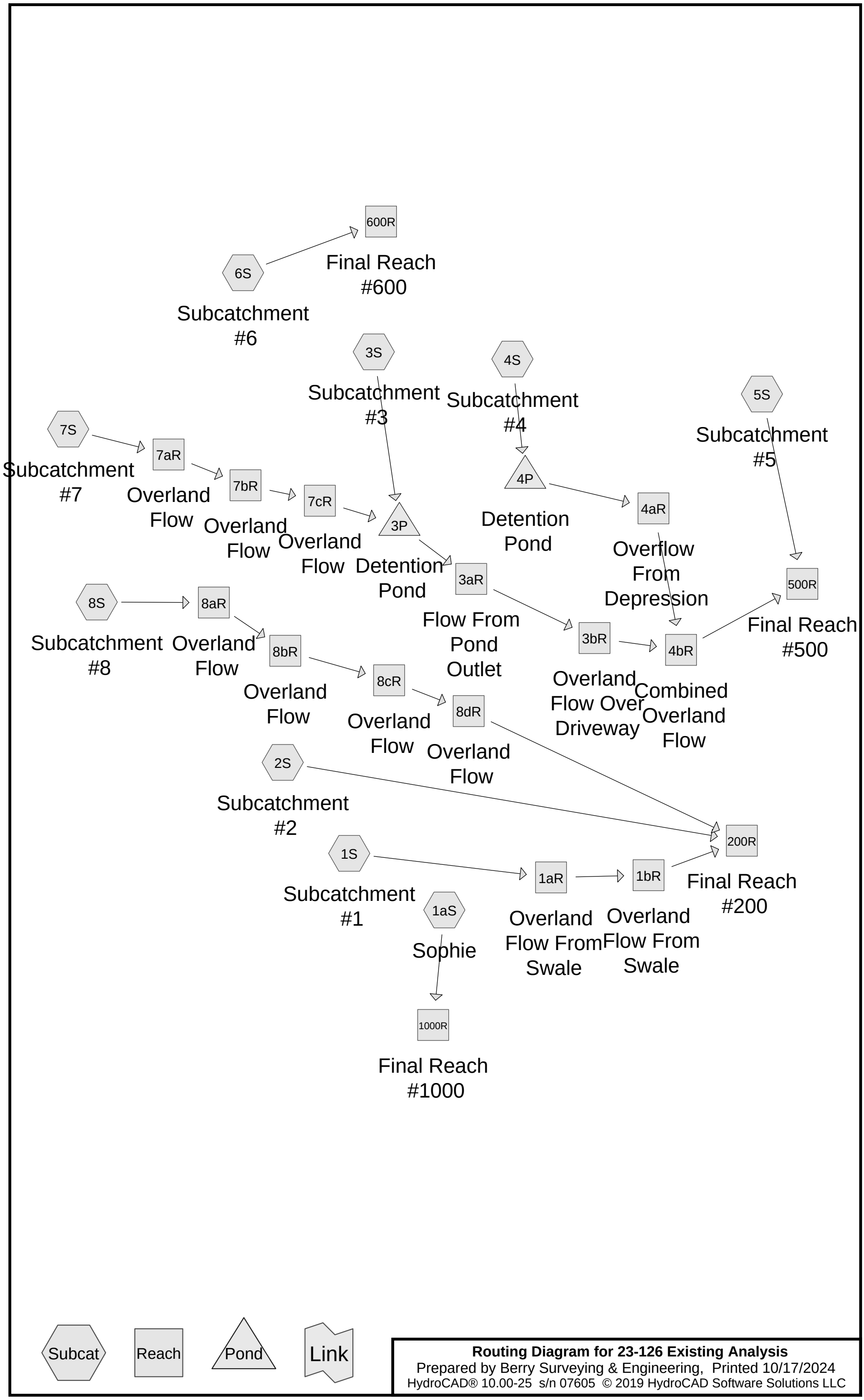
SWPPP EPA SITE MAP (EXISTING)
W-1 EXISTING WATERSHED PLAN
FOR
KNOX MARSH DEVELOPMENT LLC
LAND OF
5 SHERMAN STREET LLC
1 COLD SPRINGS ROAD
DOVER, N.H.
TAX MAP H, LOT 47-A

BERRY SURVEYING & ENGINEERING
335 SECOND CROWN POINT ROAD
BARRINGTON, NH 03825 (603)332-2863

SCALE : 1 IN. EQUALS 30 FT.
DATE : SEPTEMBER 1, 2024
FILE NO. : DB 2023 - 126



NOT FOR CONSTRUCTION



Routing Diagram for 23-126 Existing Analysis

Prepared by Berry Surveying & Engineering, Printed 10/17/2024

HydroCAD® 10.00-25 s/n 07605 © 2019 HydroCAD Software Solutions LLC

Area Listing (all nodes)

Area (acres)	CN	Description (subcatchment-numbers)
2.689	39	>75% Grass cover, Good, HSG A (1aS, 1S, 2S, 3S, 4S, 5S, 6S)
0.030	74	>75% Grass cover, Good, HSG C (5S)
0.060	96	Gravel surface, HSG A (5S)
0.319	98	Paved parking, HSG A (1aS, 2S, 3S, 4S, 5S)
0.191	98	Roofs, HSG A (1aS, 1S, 3S, 4S, 5S, 7S, 8S)
0.017	98	Water Surface, HSG C (3S)
0.850	30	Woods, Good, HSG A (2S, 3S, 5S, 6S)
0.107	70	Woods, Good, HSG C (5S)
4.262	**46**	**TOTAL AREA**

Soil Listing (all nodes)

Area (acres)	Soil Group	Subcatchment Numbers
4.108	HSG A	1aS, 1S, 2S, 3S, 4S, 5S, 6S, 7S, 8S
0.000	HSG B	
0.154	HSG C	3S, 5S
0.000	HSG D	
0.000	Other	
4.262		**TOTAL AREA**

Ground Covers (all nodes)

HSG-A (acres)	HSG-B (acres)	HSG-C (acres)	HSG-D (acres)	Other (acres)	Total (acres)	Ground Cover	Subcatchment Numbers
2.689	0.000	0.030	0.000	0.000	2.719	>75% Grass cover, Good	1aS, 1S, 2S, 3S, 4S, 5S, 6S
0.060	0.000	0.000	0.000	0.000	0.060	Gravel surface	5S
0.319	0.000	0.000	0.000	0.000	0.319	Paved parking	1aS, 2S, 3S, 4S, 5S
0.191	0.000	0.000	0.000	0.000	0.191	Roofs	1aS, 1S, 3S, 4S, 5S, 7S, 8S
0.000	0.000	0.017	0.000	0.000	0.017	Water Surface	3S
0.850	0.000	0.107	0.000	0.000	0.957	Woods, Good	2S, 3S, 5S, 6S
4.108	**0.000**	**0.154**	**0.000**	**0.000**	**4.262**	**TOTAL AREA**	

Pipe Listing (all nodes)

Line#	Node Number	In-Invert (feet)	Out-Invert (feet)	Length (feet)	Slope (ft/ft)	n	Diam/Width (inches)	Height (inches)	Inside-Fill (inches)
1	3P	127.28	126.95	9.2	0.0359	0.012	6.0	0.0	0.0

Time span=0.00-24.00 hrs, dt=0.05 hrs, 481 points
Runoff by SCS TR-20 method, UH=SCS, Weighted-CN
Reach routing by Dyn-Stor-Ind method - Pond routing by Dyn-Stor-Ind method

Subcatchment1aS: Sophie Runoff Area=1,332 sf 67.57% Impervious Runoff Depth>4.50"
Tc=6.0 min CN=79 Runoff=0.16 cfs 0.011 af

Subcatchment1S: Subcatchment#1 Runoff Area=16,029 sf 9.26% Impervious Runoff Depth>1.11"
Flow Length=436' Tc=10.7 min CN=44 Runoff=0.28 cfs 0.034 af

Subcatchment2S: Subcatchment#2 Runoff Area=39,494 sf 4.03% Impervious Runoff Depth>0.73"
Flow Length=486' Tc=11.5 min CN=39 Runoff=0.32 cfs 0.055 af

Subcatchment3S: Subcatchment#3 Runoff Area=18,098 sf 15.23% Impervious Runoff Depth>1.44"
Flow Length=254' Tc=6.7 min CN=48 Runoff=0.56 cfs 0.050 af

Subcatchment4S: Subcatchment#4 Runoff Area=26,233 sf 28.17% Impervious Runoff Depth>2.15"
Flow Length=250' Tc=9.9 min CN=56 Runoff=1.24 cfs 0.108 af

Subcatchment5S: Subcatchment#5 Runoff Area=64,765 sf 11.53% Impervious Runoff Depth>1.44"
Flow Length=428' Tc=12.0 min CN=48 Runoff=1.67 cfs 0.178 af

Subcatchment6S: Subcatchment#6 Runoff Area=18,362 sf 0.00% Impervious Runoff Depth>0.60"
Flow Length=186' Tc=6.0 min CN=37 Runoff=0.11 cfs 0.021 af

Subcatchment7S: Subcatchment#7 Runoff Area=660 sf 100.00% Impervious Runoff Depth>6.67"
Tc=6.0 min CN=98 Runoff=0.10 cfs 0.008 af

Subcatchment8S: Subcatchment#8 Runoff Area=660 sf 100.00% Impervious Runoff Depth>6.67"
Tc=6.0 min CN=98 Runoff=0.10 cfs 0.008 af

Reach 1aR: Overland Flow From Swale Avg. Flow Depth=0.06' Max Vel=2.17 fps Inflow=0.28 cfs 0.034 af
n=0.035 L=22.4' S=0.2009 '/' Capacity=30.36 cfs Outflow=0.28 cfs 0.034 af

Reach 1bR: Overland Flow From Swale Avg. Flow Depth=0.11' Max Vel=0.88 fps Inflow=0.28 cfs 0.034 af
n=0.080 L=73.2' S=0.0786 '/' Capacity=8.31 cfs Outflow=0.29 cfs 0.034 af

Reach 3aR: Flow From Pond Outlet Avg. Flow Depth=0.13' Max Vel=2.91 fps Inflow=0.64 cfs 0.057 af
n=0.030 L=13.0' S=0.0923 '/' Capacity=11.85 cfs Outflow=0.63 cfs 0.057 af

Reach 3bR: Overland Flow Over Avg. Flow Depth=0.08' Max Vel=1.62 fps Inflow=0.63 cfs 0.057 af
n=0.022 L=153.2' S=0.0294 '/' Capacity=27.77 cfs Outflow=0.53 cfs 0.057 af

Reach 4aR: Overflow From Depression Avg. Flow Depth=0.12' Max Vel=1.31 fps Inflow=1.05 cfs 0.068 af
n=0.035 L=78.7' S=0.0286 '/' Capacity=17.22 cfs Outflow=0.76 cfs 0.068 af

Reach 4bR: Combined Overland Flow Avg. Flow Depth=0.12' Max Vel=1.48 fps Inflow=0.98 cfs 0.126 af
n=0.035 L=68.5' S=0.0365 '/' Capacity=19.46 cfs Outflow=0.89 cfs 0.126 af

Reach 7aR: Overland Flow Avg. Flow Depth=0.03' Max Vel=1.28 fps Inflow=0.10 cfs 0.008 af
n=0.030 L=24.0' S=0.1150 '/' Capacity=40.30 cfs Outflow=0.10 cfs 0.008 af

Reach 7bR: Overland Flow Avg. Flow Depth=0.02' Max Vel=2.22 fps Inflow=0.10 cfs 0.008 af
n=0.030 L=19.7' S=0.5584 '/' Capacity=88.80 cfs Outflow=0.10 cfs 0.008 af

Reach 7cR: Overland Flow Avg. Flow Depth=0.04' Max Vel=0.92 fps Inflow=0.10 cfs 0.008 af
n=0.030 L=152.5' S=0.0475 '/' Capacity=25.91 cfs Outflow=0.09 cfs 0.008 af

Reach 8aR: Overland Flow Avg. Flow Depth=0.02' Max Vel=1.84 fps Inflow=0.10 cfs 0.008 af
n=0.030 L=19.2' S=0.3313 '/' Capacity=68.39 cfs Outflow=0.10 cfs 0.008 af

Reach 8bR: Overland Flow Avg. Flow Depth=0.03' Max Vel=1.20 fps Inflow=0.10 cfs 0.008 af
n=0.035 L=77.0' S=0.1299 '/' Capacity=36.71 cfs Outflow=0.10 cfs 0.008 af

Reach 8cR: Overland Flow Avg. Flow Depth=0.04' Max Vel=0.85 fps Inflow=0.10 cfs 0.008 af
n=0.035 L=55.2' S=0.0498 '/' Capacity=22.73 cfs Outflow=0.10 cfs 0.008 af

Reach 8dR: Overland Flow Avg. Flow Depth=0.04' Max Vel=0.78 fps Inflow=0.10 cfs 0.008 af
n=0.030 L=267.2' S=0.0327 '/' Capacity=21.50 cfs Outflow=0.08 cfs 0.008 af

Reach 200R: Final Reach #200 Inflow=0.66 cfs 0.098 af
Outflow=0.66 cfs 0.098 af

Reach 500R: Final Reach #500 Inflow=2.15 cfs 0.304 af
Outflow=2.15 cfs 0.304 af

Reach 600R: Final Reach #600 Inflow=0.11 cfs 0.021 af
Outflow=0.11 cfs 0.021 af

Reach 1000R: Final Reach #1000 Inflow=0.16 cfs 0.011 af
Outflow=0.16 cfs 0.011 af

Pond 3P: Detention Pond Peak Elev=128.26' Storage=292 cf Inflow=0.65 cfs 0.058 af
6.0" Round Culvert n=0.012 L=9.2' S=0.0359 '/' Outflow=0.64 cfs 0.057 af

Pond 4P: Detention Pond Peak Elev=123.58' Storage=1,920 cf Inflow=1.24 cfs 0.108 af
Outflow=1.05 cfs 0.068 af

Total Runoff Area = 4.262 ac Runoff Volume = 0.475 af Average Runoff Depth = 1.34"
87.66% Pervious = 3.736 ac 12.34% Impervious = 0.526 ac

Summary for Subcatchment 1aS: Sophie

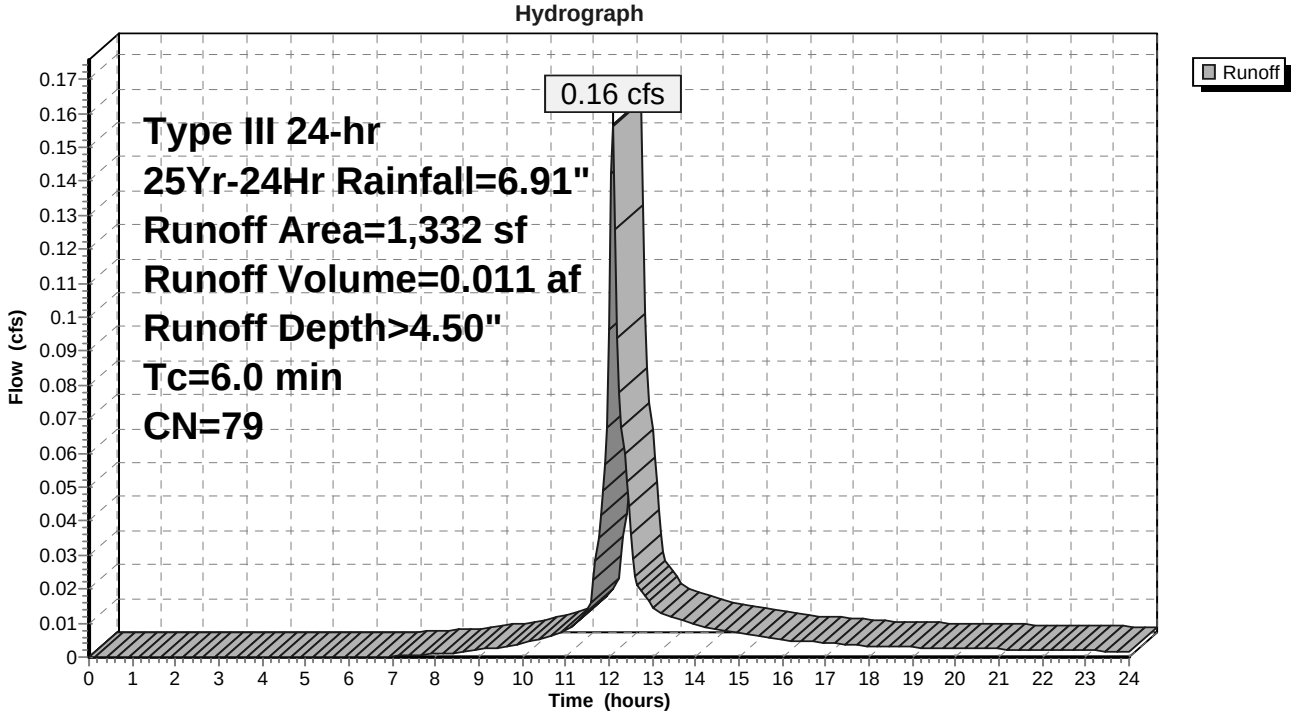
Runoff = 0.16 cfs @ 12.09 hrs, Volume= 0.011 af, Depth> 4.50"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 25Yr-24Hr Rainfall=6.91"

Area (sf)	CN	Description
225	98	Roofs, HSG A
432	39	>75% Grass cover, Good, HSG A
675	98	Paved parking, HSG A
1,332	79	Weighted Average
432		32.43% Pervious Area
900		67.57% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry, Direct**

Subcatchment 1aS: Sophie



Summary for Subcatchment 1S: Subcatchment #1

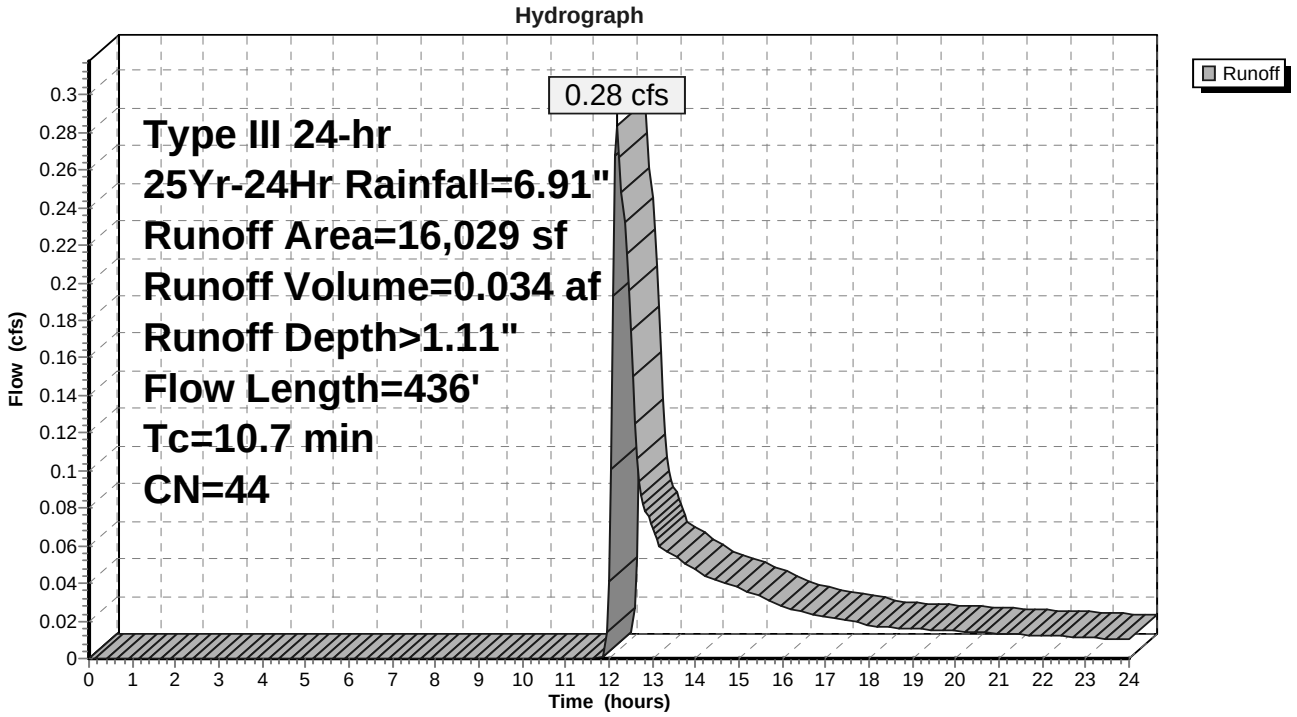
Runoff = 0.28 cfs @ 12.20 hrs, Volume= 0.034 af, Depth> 1.11"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 25Yr-24Hr Rainfall=6.91"

Area (sf)	CN	Description
1,484	98	Roofs, HSG A
14,545	39	>75% Grass cover, Good, HSG A
16,029	44	Weighted Average
14,545		90.74% Pervious Area
1,484		9.26% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
7.6	100	0.0325	0.22		**Sheet Flow, Segment #1** Grass: Short n= 0.150 P2= 3.62"
0.2	16	0.0621	1.74		**Shallow Concentrated Flow, Segment #2** Short Grass Pasture Kv= 7.0 fps
0.1	27	0.2991	3.83		**Shallow Concentrated Flow, Segment #3** Short Grass Pasture Kv= 7.0 fps
0.6	62	0.0647	1.78		**Shallow Concentrated Flow, Segment #4** Short Grass Pasture Kv= 7.0 fps
1.3	94	0.0318	1.25		**Shallow Concentrated Flow, Segment #5** Short Grass Pasture Kv= 7.0 fps
0.4	37	0.0402	1.40		**Shallow Concentrated Flow, Segment #6** Short Grass Pasture Kv= 7.0 fps
0.5	100	0.0150	3.67	23.86	**Trap/Vee/Rect Channel Flow, Segment #7** Bot.W=4.50' D=1.00' Z= 2.0 '/' Top.W=8.50' n= 0.040 Earth, cobble bottom, clean sides
10.7	436	Total			

Subcatchment 1S: Subcatchment #1



Summary for Subcatchment 2S: Subcatchment #2

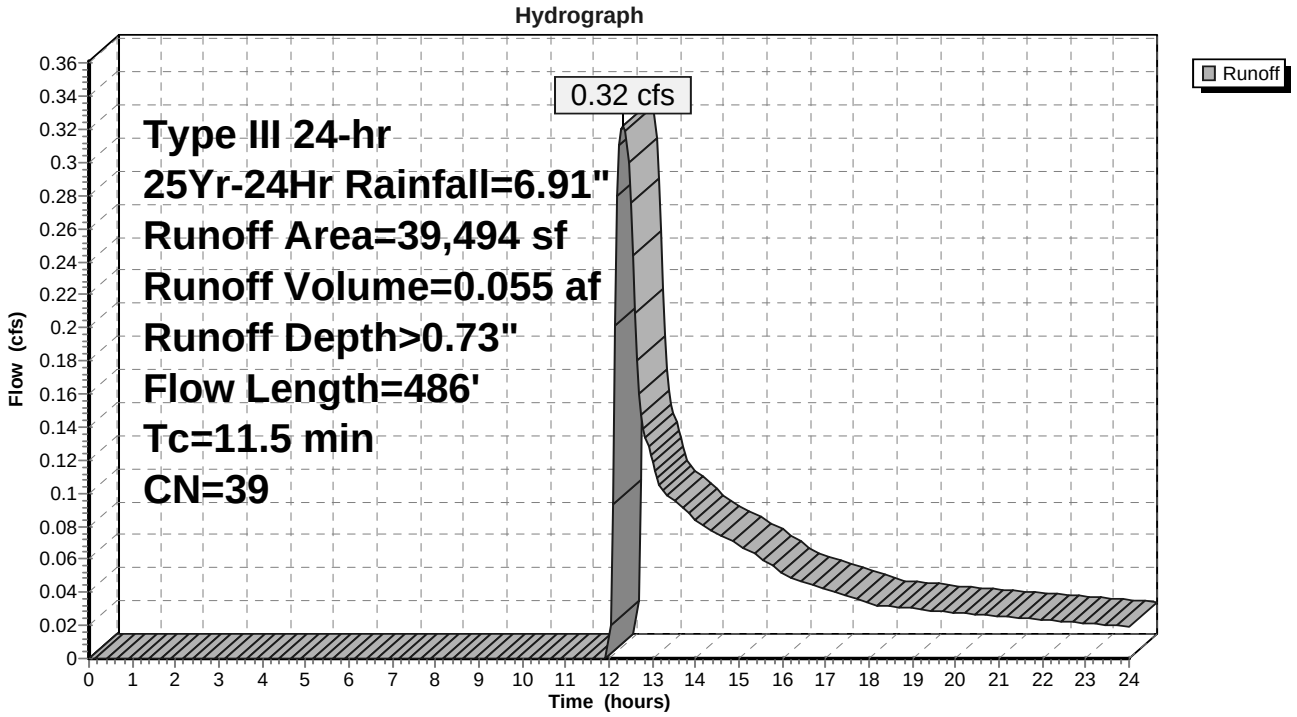
Runoff = 0.32 cfs @ 12.34 hrs, Volume= 0.055 af, Depth> 0.73"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 25Yr-24Hr Rainfall=6.91"

Area (sf)	CN	Description
26,833	39	>75% Grass cover, Good, HSG A
1,591	98	Paved parking, HSG A
11,070	30	Woods, Good, HSG A
39,494	39	Weighted Average
37,903		95.97% Pervious Area
1,591		4.03% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
5.4	77	0.0455	0.24		**Sheet Flow, Segment #1** Grass: Short n= 0.150 P2= 3.62"
1.3	22	0.1366	0.29		**Sheet Flow, Segment #2** Grass: Short n= 0.150 P2= 3.62"
0.1	25	0.3227	2.84		**Shallow Concentrated Flow, Segment #3** Woodland Kv= 5.0 fps
0.3	39	0.1540	1.96		**Shallow Concentrated Flow, Segment #4** Woodland Kv= 5.0 fps
0.8	55	0.0498	1.12		**Shallow Concentrated Flow, Segment #5** Woodland Kv= 5.0 fps
2.9	204	0.0282	1.18		**Shallow Concentrated Flow, Segment #6** Short Grass Pasture Kv= 7.0 fps
0.7	64	0.0469	1.52		**Shallow Concentrated Flow, Segment #7** Short Grass Pasture Kv= 7.0 fps
11.5	486	Total			

Subcatchment 2S: Subcatchment #2



Summary for Subcatchment 3S: Subcatchment #3

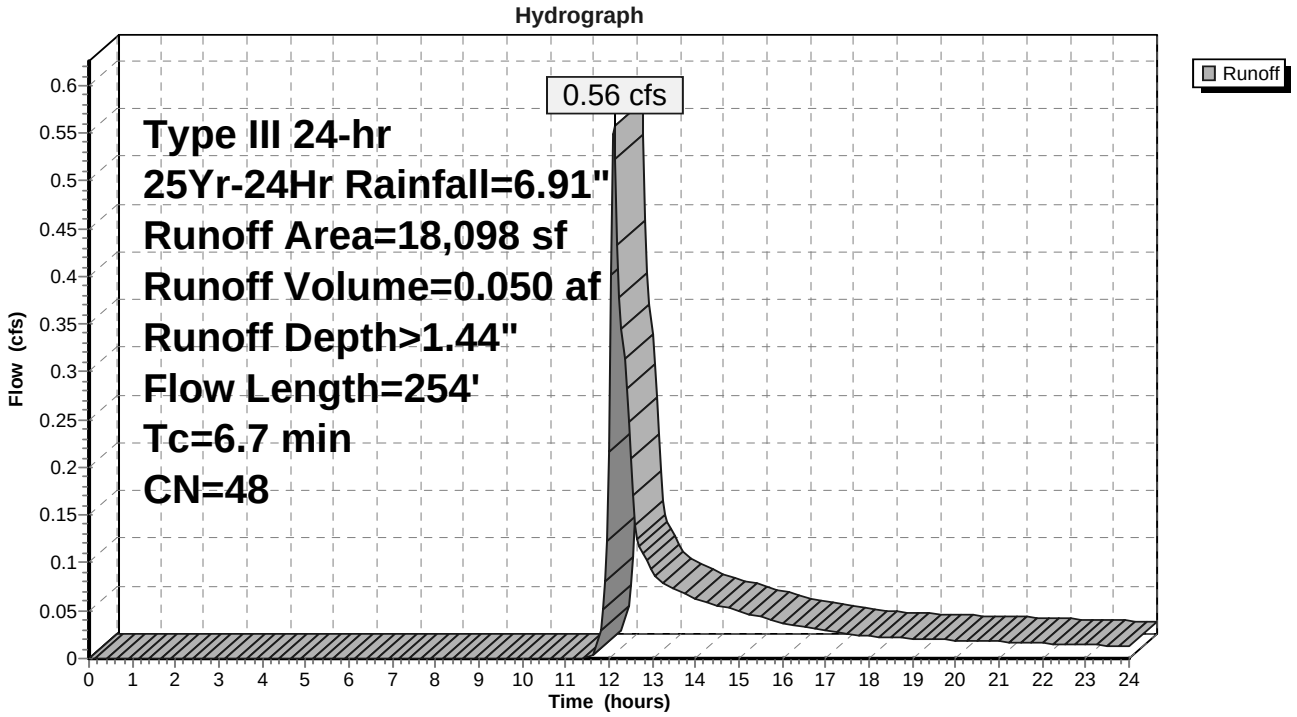
Runoff = 0.56 cfs @ 12.12 hrs, Volume= 0.050 af, Depth> 1.44"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 25Yr-24Hr Rainfall=6.91"

Area (sf)	CN	Description
517	98	Roofs, HSG A
14,827	39	>75% Grass cover, Good, HSG A
1,513	98	Paved parking, HSG A
515	30	Woods, Good, HSG A
726	98	Water Surface, HSG C
18,098	48	Weighted Average
15,342		84.77% Pervious Area
2,756		15.23% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
4.9	74	0.0541	0.25		**Sheet Flow, Segment #1** Grass: Short n= 0.150 P2= 3.62"
0.0	12	0.8694	6.53		**Shallow Concentrated Flow, Segment #2** Short Grass Pasture Kv= 7.0 fps
0.0	7	0.1731	2.91		**Shallow Concentrated Flow, Segment #3** Short Grass Pasture Kv= 7.0 fps
0.9	55	0.0226	1.05		**Shallow Concentrated Flow, Segment #4** Short Grass Pasture Kv= 7.0 fps
0.0	12	0.0414	4.13		**Shallow Concentrated Flow, Segment #5** Paved Kv= 20.3 fps
0.9	94	0.0556	1.65		**Shallow Concentrated Flow, Segment #6** Short Grass Pasture Kv= 7.0 fps
6.7	254	Total			

Subcatchment 3S: Subcatchment #3



Summary for Subcatchment 4S: Subcatchment #4

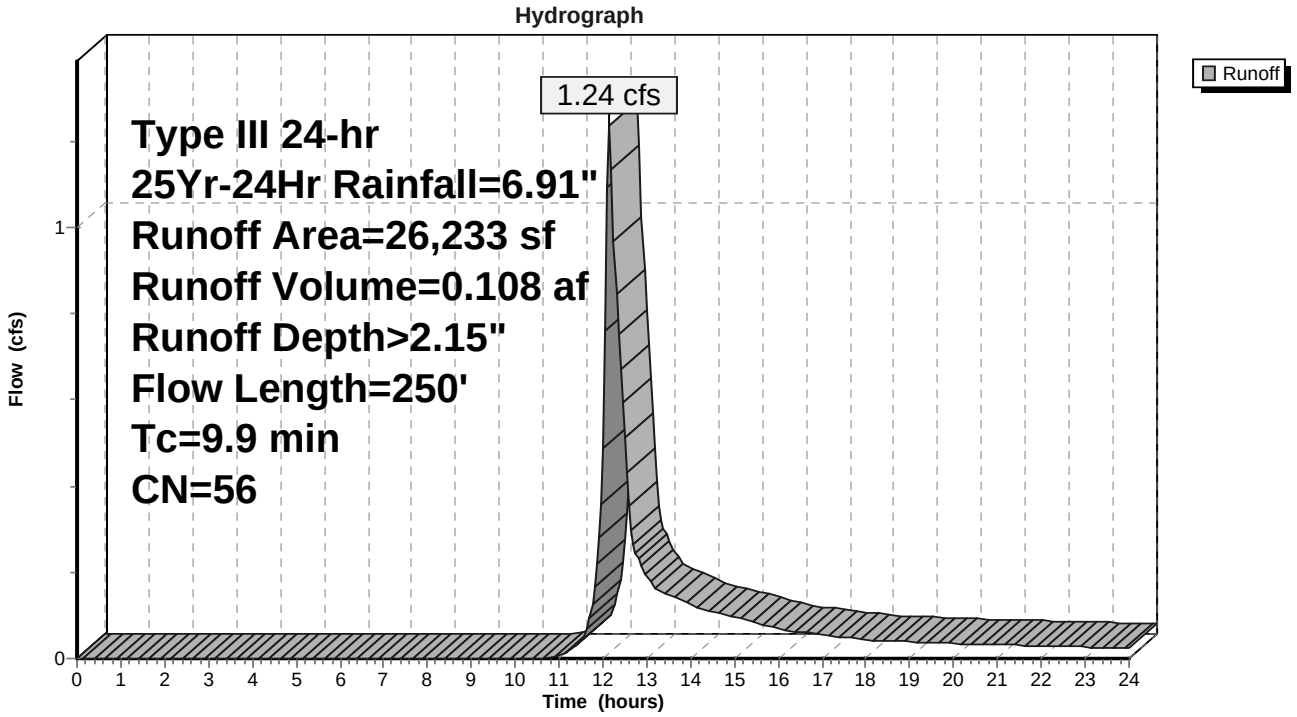
Runoff = 1.24 cfs @ 12.15 hrs, Volume= 0.108 af, Depth> 2.15"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 25Yr-24Hr Rainfall=6.91"

Area (sf)	CN	Description
2,338	98	Roofs, HSG A
18,843	39	>75% Grass cover, Good, HSG A
5,052	98	Paved parking, HSG A
26,233	56	Weighted Average
18,843		71.83% Pervious Area
7,390		28.17% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
5.8	68	0.0293	0.20		**Sheet Flow, Segment #1** Grass: Short n= 0.150 P2= 3.62"
1.8	32	0.1259	0.30		**Sheet Flow, Segment #2** Grass: Short n= 0.150 P2= 3.62"
0.2	37	0.0335	3.72		**Shallow Concentrated Flow, Segment #3** Paved Kv= 20.3 fps
1.7	72	0.0104	0.71		**Shallow Concentrated Flow, Segment #4** Short Grass Pasture Kv= 7.0 fps
0.4	41	0.0730	1.89		**Shallow Concentrated Flow, Segment #5** Short Grass Pasture Kv= 7.0 fps
9.9	250	Total			

Subcatchment 4S: Subcatchment #4



Summary for Subcatchment 5S: Subcatchment #5

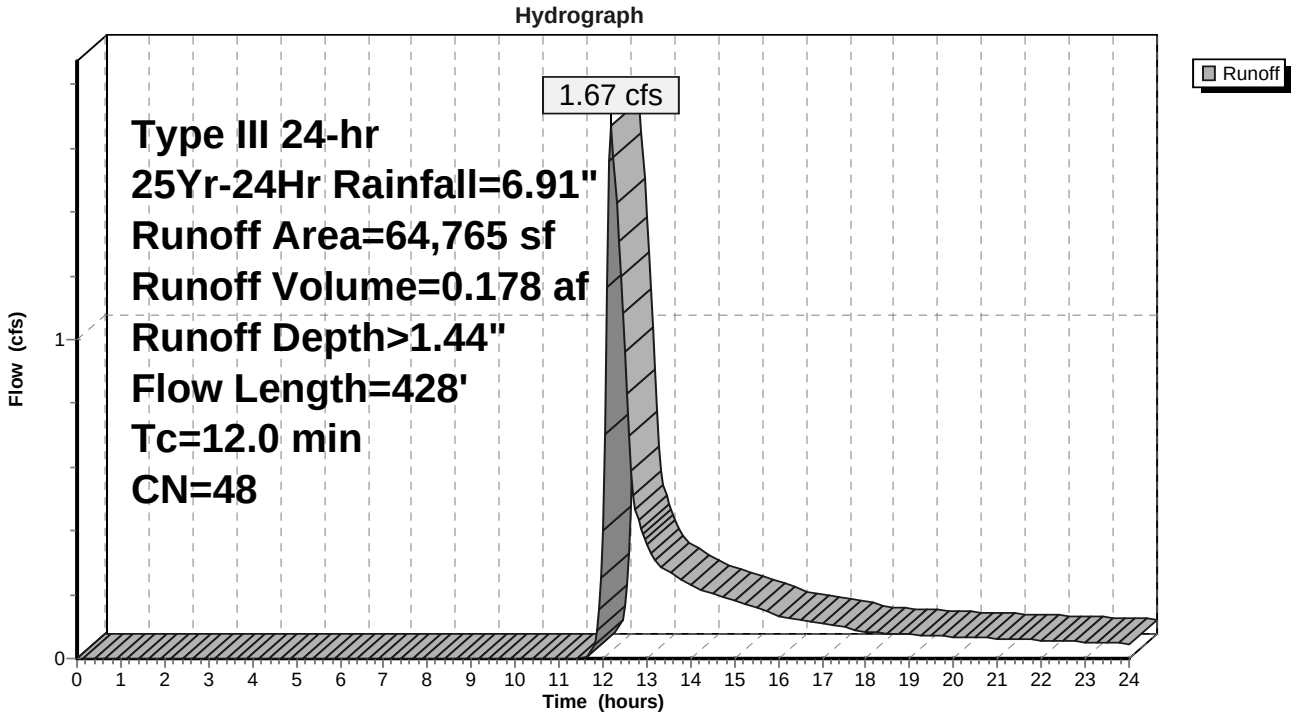
Runoff = 1.67 cfs @ 12.20 hrs, Volume= 0.178 af, Depth> 1.44"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 25Yr-24Hr Rainfall=6.91"

Area (sf)	CN	Description
2,421	98	Roofs, HSG A
27,661	39	>75% Grass cover, Good, HSG A
5,049	98	Paved parking, HSG A
21,042	30	Woods, Good, HSG A
2,629	96	Gravel surface, HSG A
1,298	74	>75% Grass cover, Good, HSG C
4,665	70	Woods, Good, HSG C
64,765	48	Weighted Average
57,295		88.47% Pervious Area
7,470		11.53% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
2.5	49	0.1277	0.33		**Sheet Flow, Segment #1** Grass: Short n= 0.150 P2= 3.62"
3.1	32	0.0317	0.17		**Sheet Flow, Segment #2** Grass: Short n= 0.150 P2= 3.62"
1.2	20	0.1281	0.28		**Sheet Flow, Segment #3** Grass: Short n= 0.150 P2= 3.62"
0.9	94	0.0586	1.69		**Shallow Concentrated Flow, Segment #4** Short Grass Pasture Kv= 7.0 fps
0.1	14	0.1396	2.62		**Shallow Concentrated Flow, Segment #5** Short Grass Pasture Kv= 7.0 fps
0.6	52	0.0824	1.44		**Shallow Concentrated Flow, Segment #6** Woodland Kv= 5.0 fps
0.2	11	0.0229	1.06		**Shallow Concentrated Flow, Segment #7** Short Grass Pasture Kv= 7.0 fps
0.1	13	0.0395	4.03		**Shallow Concentrated Flow, Segment #8** Paved Kv= 20.3 fps
3.3	143	0.0209	0.72		**Shallow Concentrated Flow, Segment #9** Woodland Kv= 5.0 fps
12.0	428	Total			

Subcatchment 5S: Subcatchment #5



Summary for Subcatchment 6S: Subcatchment #6

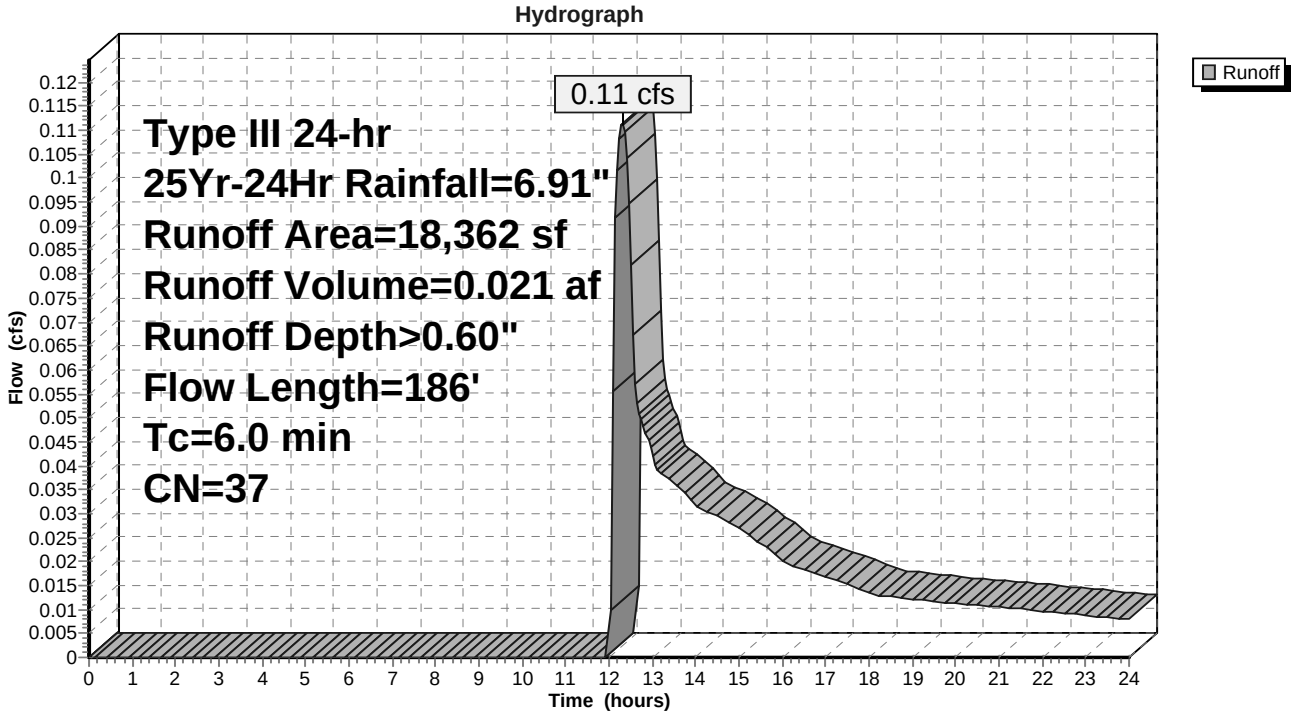
Runoff = 0.11 cfs @ 12.31 hrs, Volume= 0.021 af, Depth> 0.60"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 25Yr-24Hr Rainfall=6.91"

Area (sf)	CN	Description
13,981	39	>75% Grass cover, Good, HSG A
4,381	30	Woods, Good, HSG A
18,362	37	Weighted Average
18,362		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
4.5	100	0.1200	0.37		**Sheet Flow, Segment #1** Grass: Short n= 0.150 P2= 3.62"
0.4	46	0.0916	2.12		**Shallow Concentrated Flow, Segment #2** Short Grass Pasture Kv= 7.0 fps
0.4	40	0.1000	1.58		**Shallow Concentrated Flow, Segment #3** Woodland Kv= 5.0 fps
5.3	186	Total, Increased to minimum Tc = 6.0 min			

Subcatchment 6S: Subcatchment #6



Summary for Subcatchment 7S: Subcatchment #7

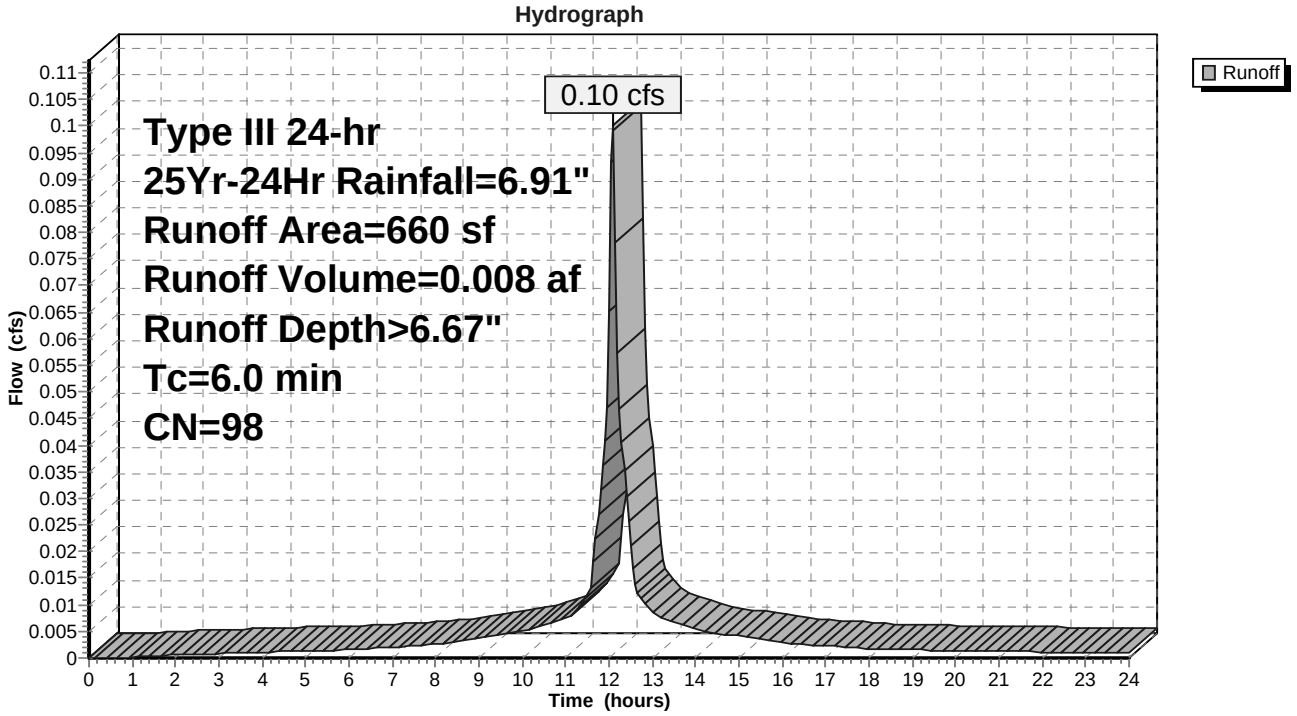
Runoff = 0.10 cfs @ 12.09 hrs, Volume= 0.008 af, Depth> 6.67"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 25Yr-24Hr Rainfall=6.91"

Area (sf)	CN	Description
660	98	Roofs, HSG A
660		100.00% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry, Direct Entry**

Subcatchment 7S: Subcatchment #7



Summary for Subcatchment 8S: Subcatchment #8

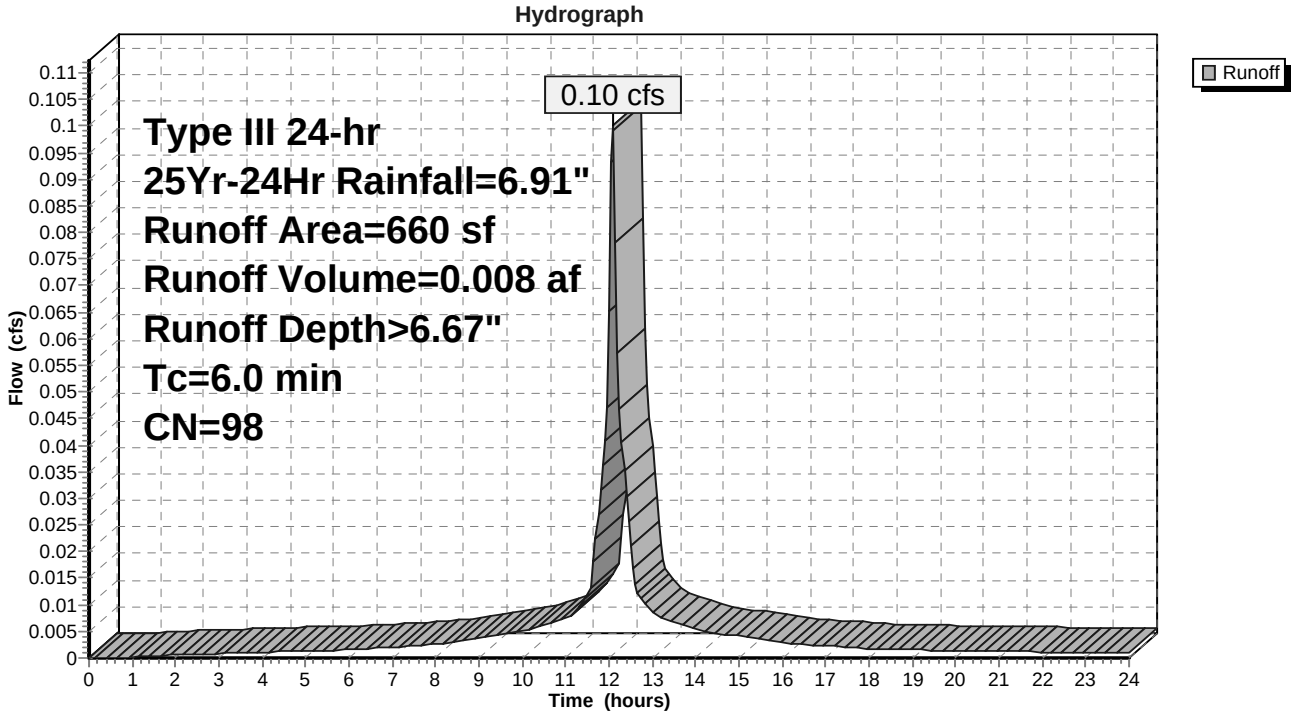
Runoff = 0.10 cfs @ 12.09 hrs, Volume= 0.008 af, Depth> 6.67"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 25Yr-24Hr Rainfall=6.91"

Area (sf)	CN	Description
660	98	Roofs, HSG A
660		100.00% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry, Direct Entry**

Subcatchment 8S: Subcatchment #8



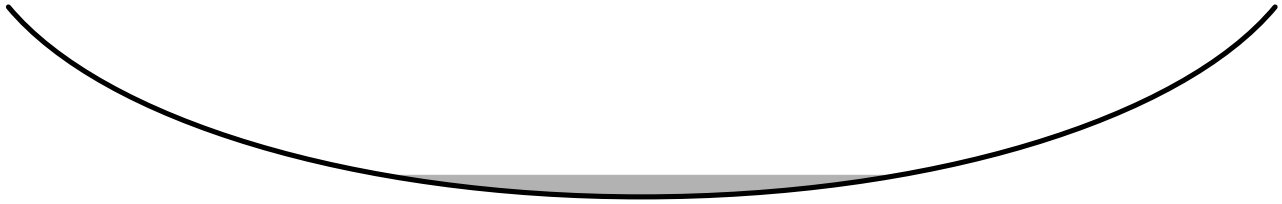
Summary for Reach 1aR: Overland Flow From Swale

Inflow Area = 0.368 ac, 9.26% Impervious, Inflow Depth > 1.11" for 25Yr-24Hr event
Inflow = 0.28 cfs @ 12.20 hrs, Volume= 0.034 af
Outflow = 0.28 cfs @ 12.20 hrs, Volume= 0.034 af, Atten= 0%, Lag= 0.1 min

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Max. Velocity= 2.17 fps, Min. Travel Time= 0.2 min
Avg. Velocity = 1.04 fps, Avg. Travel Time= 0.4 min

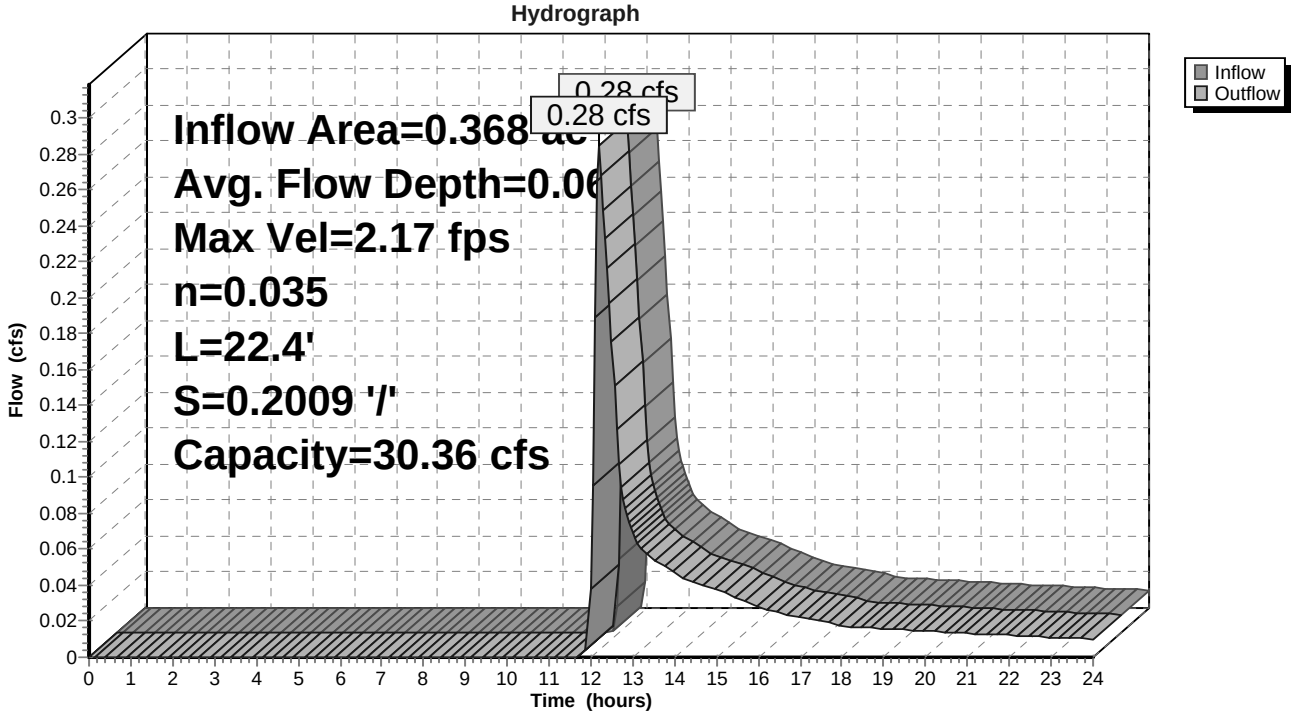
Peak Storage= 3 cf @ 12.20 hrs
Average Depth at Peak Storage= 0.06'
Bank-Full Depth= 0.50' Flow Area= 3.3 sf, Capacity= 30.36 cfs

10.00' x 0.50' deep Parabolic Channel, n= 0.035 Earth, dense weeds
Length= 22.4' Slope= 0.2009 '/'
Inlet Invert= 128.50', Outlet Invert= 124.00'



‡

Reach 1aR: Overland Flow From Swale



Summary for Reach 1bR: Overland Flow From Swale

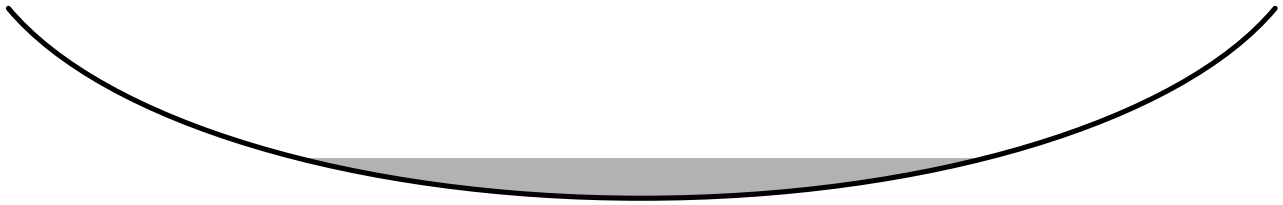
[62] Hint: Exceeded Reach 1aR OUTLET depth by 0.05' @ 12.25 hrs

Inflow Area = 0.368 ac, 9.26% Impervious, Inflow Depth > 1.11" for 25Yr-24Hr event
Inflow = 0.28 cfs @ 12.20 hrs, Volume= 0.034 af
Outflow = 0.29 cfs @ 12.22 hrs, Volume= 0.034 af, Atten= 0%, Lag= 1.0 min

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Max. Velocity= 0.88 fps, Min. Travel Time= 1.4 min
Avg. Velocity = 0.42 fps, Avg. Travel Time= 2.9 min

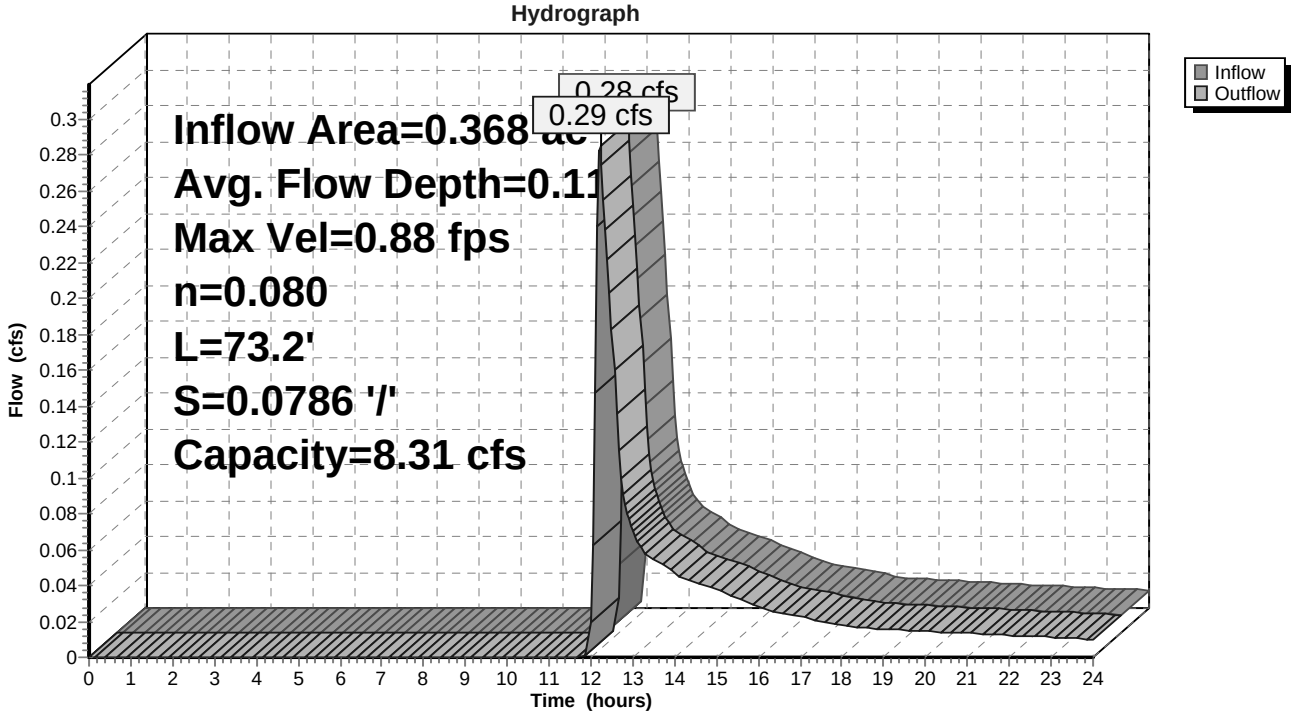
Peak Storage= 24 cf @ 12.22 hrs
Average Depth at Peak Storage= 0.11'
Bank-Full Depth= 0.50' Flow Area= 3.3 sf, Capacity= 8.31 cfs

10.00' x 0.50' deep Parabolic Channel, n= 0.080 Earth, long dense weeds
Length= 73.2' Slope= 0.0786 '/'
Inlet Invert= 124.00', Outlet Invert= 118.25'



‡

Reach 1bR: Overland Flow From Swale



Summary for Reach 3aR: Flow From Pond Outlet

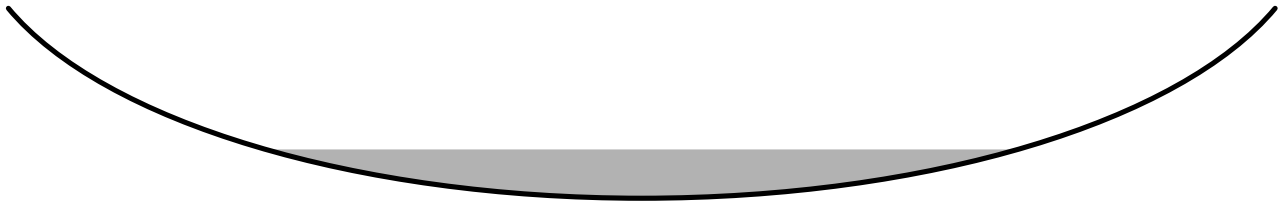
[87] Warning: Oscillations may require smaller dt or Finer Routing (severity=8)

Inflow Area = 0.431 ac, 18.21% Impervious, Inflow Depth > 1.60" for 25Yr-24Hr event
Inflow = 0.64 cfs @ 12.20 hrs, Volume= 0.057 af
Outflow = 0.63 cfs @ 12.20 hrs, Volume= 0.057 af, Atten= 1%, Lag= 0.1 min

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Max. Velocity= 2.91 fps, Min. Travel Time= 0.1 min
Avg. Velocity = 0.92 fps, Avg. Travel Time= 0.2 min

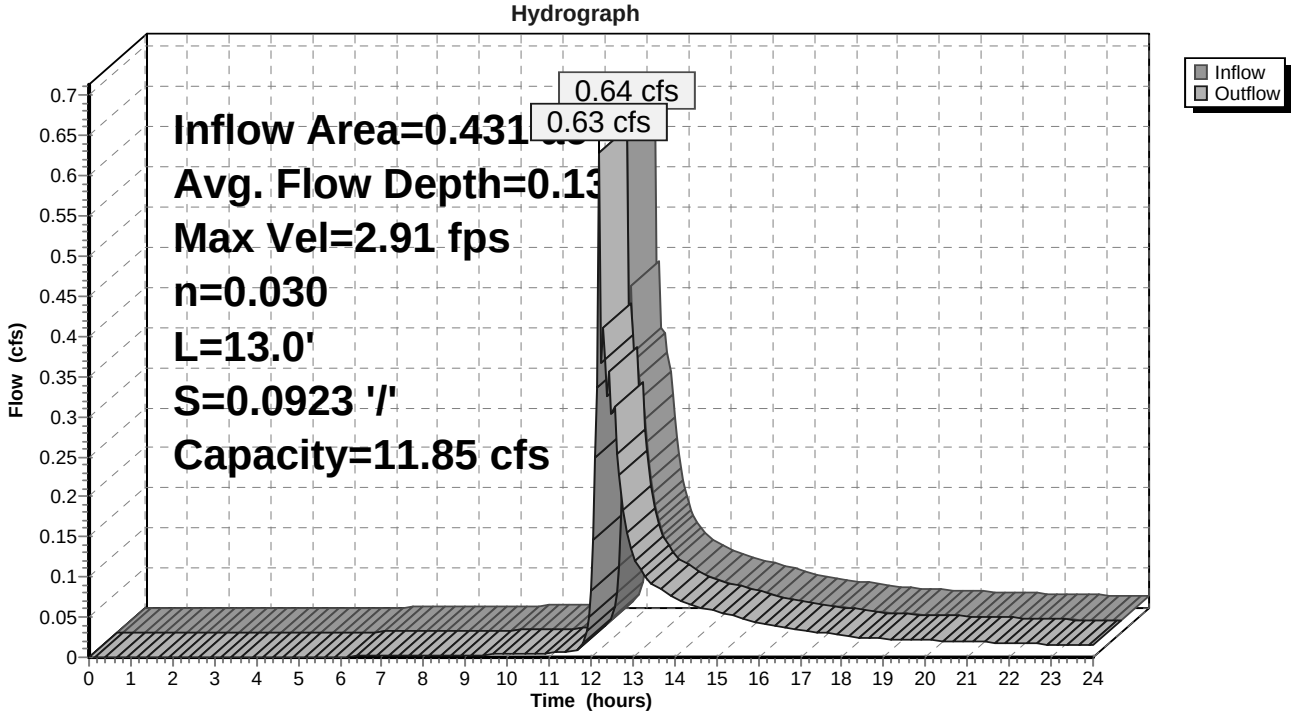
Peak Storage= 3 cf @ 12.20 hrs
Average Depth at Peak Storage= 0.13'
Bank-Full Depth= 0.50' Flow Area= 1.7 sf, Capacity= 11.85 cfs

5.00' x 0.50' deep Parabolic Channel, n= 0.030 Earth, grassed & winding
Length= 13.0' Slope= 0.0923 '/'
Inlet Invert= 126.95', Outlet Invert= 125.75'



‡

Reach 3aR: Flow From Pond Outlet



Summary for Reach 3bR: Overland Flow Over Driveway

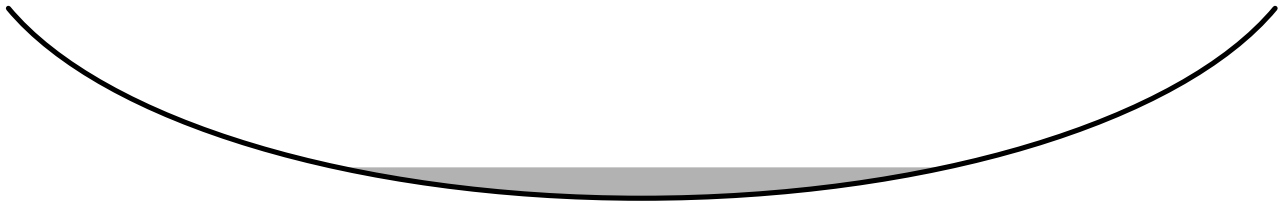
[61] Hint: Exceeded Reach 3aR outlet invert by 0.08' @ 12.20 hrs

Inflow Area = 0.431 ac, 18.21% Impervious, Inflow Depth > 1.60" for 25Yr-24Hr event
Inflow = 0.63 cfs @ 12.20 hrs, Volume= 0.057 af
Outflow = 0.53 cfs @ 12.22 hrs, Volume= 0.057 af, Atten= 16%, Lag= 1.3 min

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Max. Velocity= 1.62 fps, Min. Travel Time= 1.6 min
Avg. Velocity = 0.56 fps, Avg. Travel Time= 4.6 min

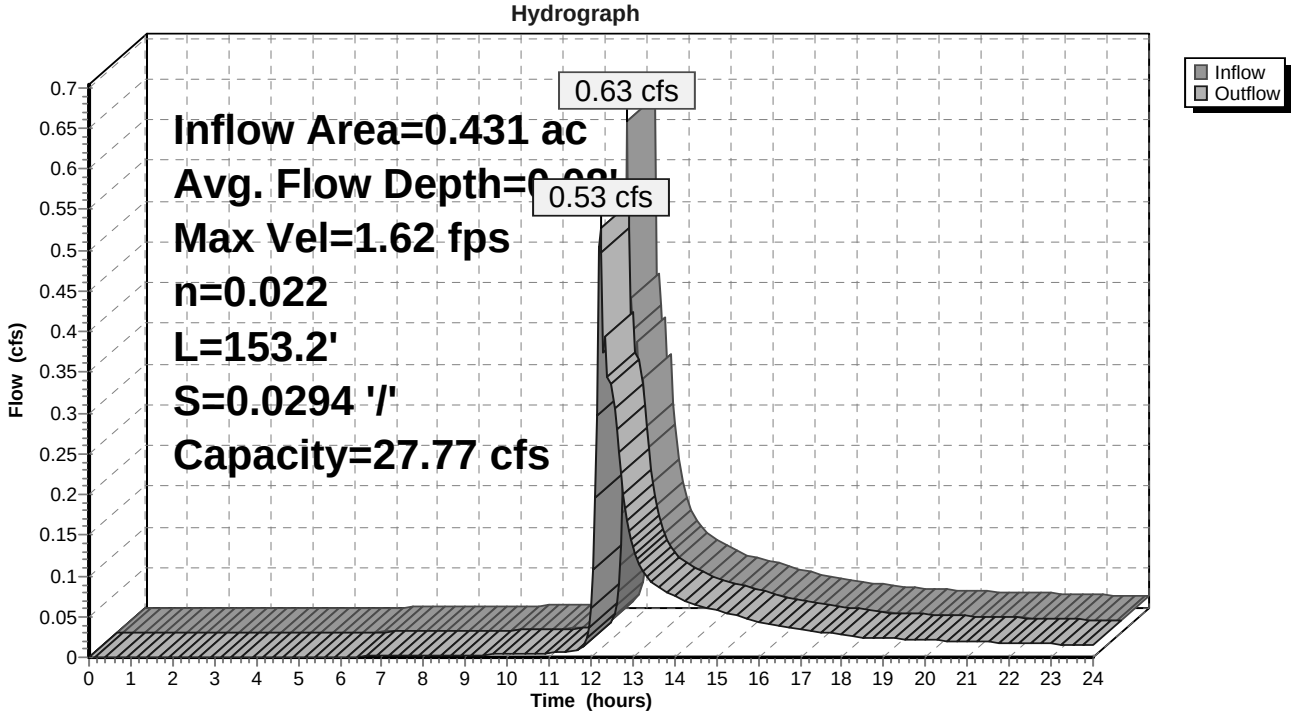
Peak Storage= 49 cf @ 12.22 hrs
Average Depth at Peak Storage= 0.08'
Bank-Full Depth= 0.50' Flow Area= 5.0 sf, Capacity= 27.77 cfs

15.00' x 0.50' deep Parabolic Channel, n= 0.022 Earth, clean & straight
Length= 153.2' Slope= 0.0294 '/'
Inlet Invert= 125.75', Outlet Invert= 121.25'



‡

Reach 3bR: Overland Flow Over Driveway



Summary for Reach 4aR: Overflow From Depression

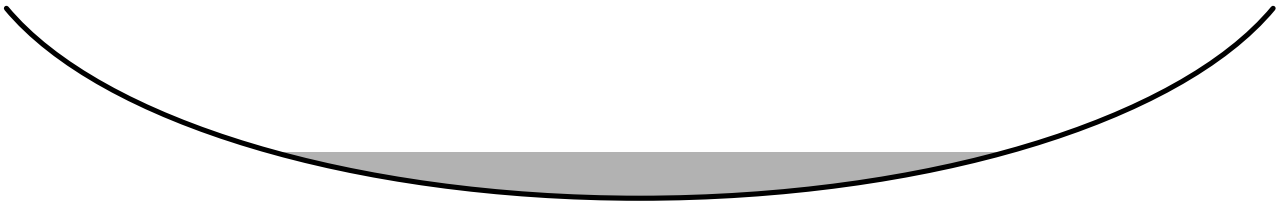
[80] Warning: Exceeded Pond 4P by 0.06' @ 12.70 hrs (3.27 cfs 0.517 af)

Inflow Area = 0.602 ac, 28.17% Impervious, Inflow Depth > 1.35" for 25Yr-24Hr event
Inflow = 1.05 cfs @ 12.70 hrs, Volume= 0.068 af
Outflow = 0.76 cfs @ 12.71 hrs, Volume= 0.068 af, Atten= 28%, Lag= 0.7 min

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Max. Velocity= 1.31 fps, Min. Travel Time= 1.0 min
Avg. Velocity = 0.56 fps, Avg. Travel Time= 2.3 min

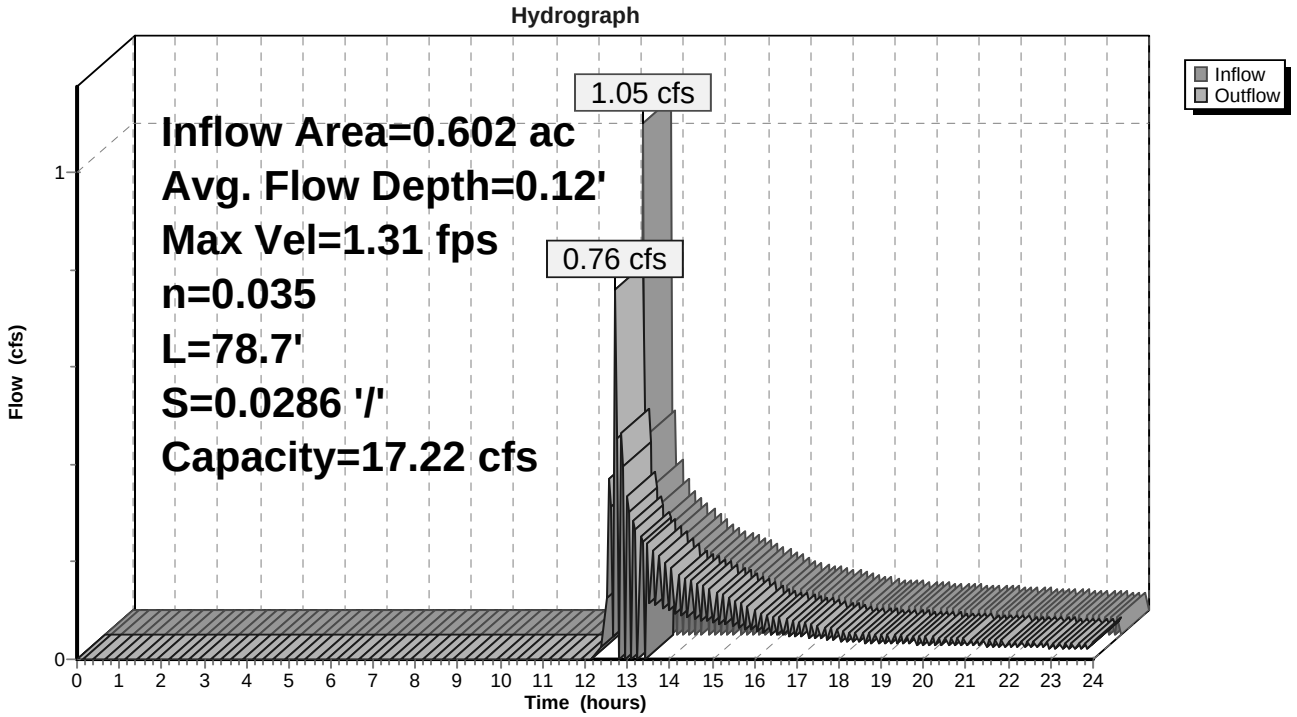
Peak Storage= 46 cf @ 12.71 hrs
Average Depth at Peak Storage= 0.12'
Bank-Full Depth= 0.50' Flow Area= 5.0 sf, Capacity= 17.22 cfs

15.00' x 0.50' deep Parabolic Channel, n= 0.035 Earth, dense weeds
Length= 78.7' Slope= 0.0286 '/'
Inlet Invert= 123.50', Outlet Invert= 121.25'



‡

Reach 4aR: Overflow From Depression



Summary for Reach 4bR: Combined Overland Flow

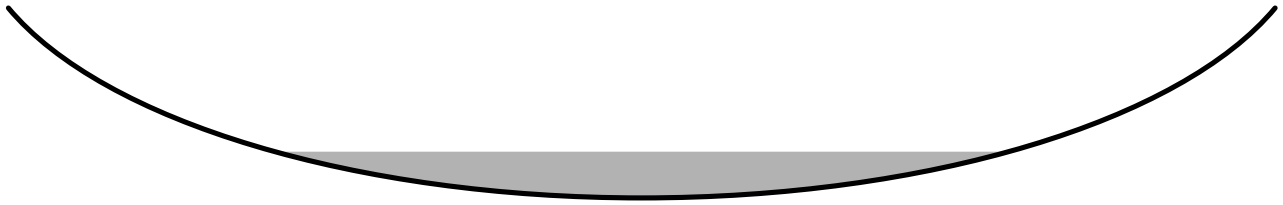
[62] Hint: Exceeded Reach 3bR OUTLET depth by 0.07' @ 12.75 hrs
[62] Hint: Exceeded Reach 4aR OUTLET depth by 0.09' @ 12.25 hrs

Inflow Area = 1.033 ac, 24.02% Impervious, Inflow Depth > 1.46" for 25Yr-24Hr event
Inflow = 0.98 cfs @ 12.71 hrs, Volume= 0.126 af
Outflow = 0.89 cfs @ 12.73 hrs, Volume= 0.126 af, Atten= 10%, Lag= 1.4 min

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Max. Velocity= 1.48 fps, Min. Travel Time= 0.8 min
Avg. Velocity = 0.53 fps, Avg. Travel Time= 2.2 min

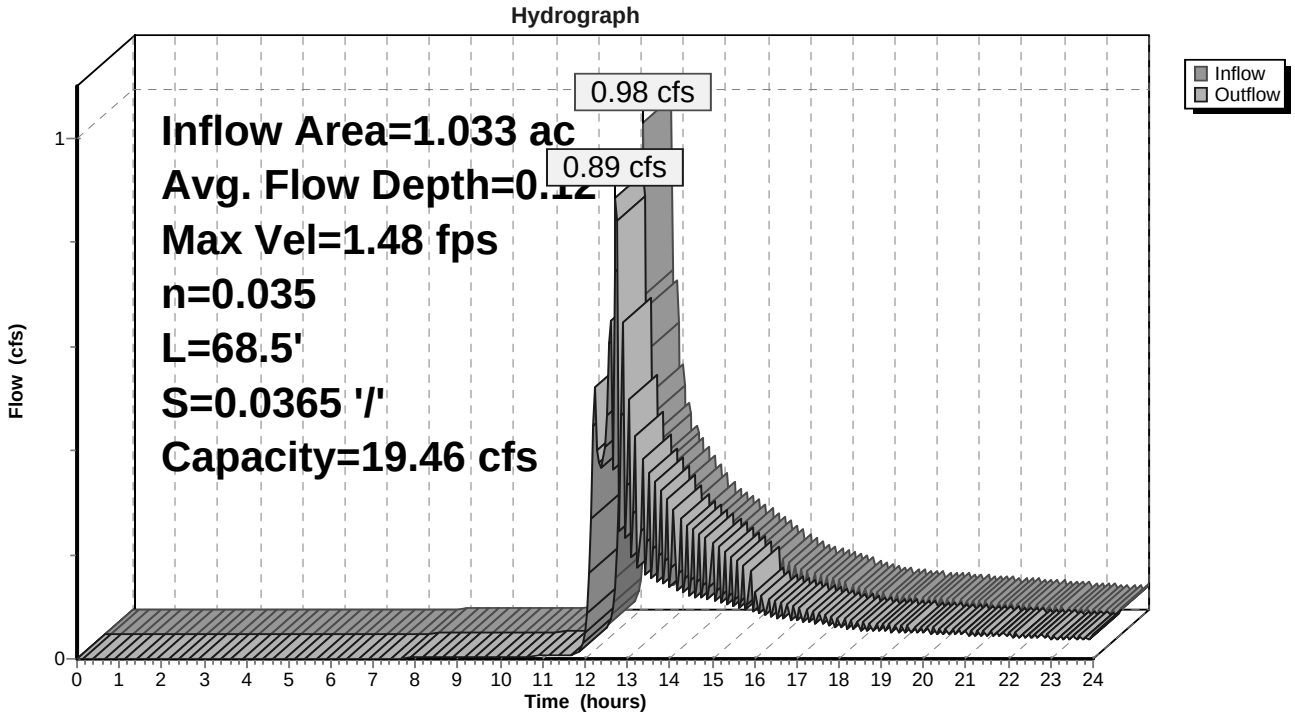
Peak Storage= 41 cf @ 12.73 hrs
Average Depth at Peak Storage= 0.12'
Bank-Full Depth= 0.50' Flow Area= 5.0 sf, Capacity= 19.46 cfs

15.00' x 0.50' deep Parabolic Channel, n= 0.035 Earth, dense weeds
Length= 68.5' Slope= 0.0365 '/'
Inlet Invert= 121.25', Outlet Invert= 118.75'



‡

Reach 4bR: Combined Overland Flow



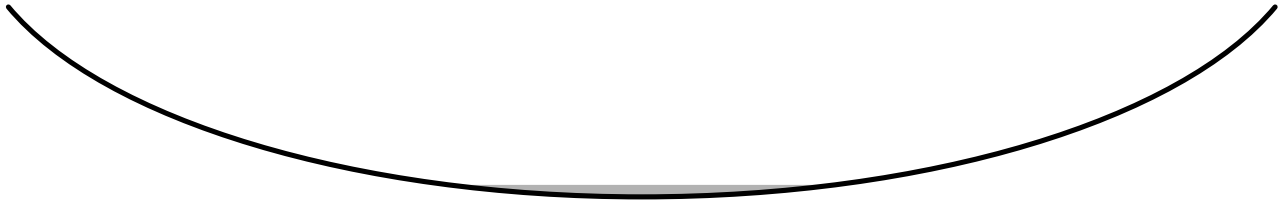
Summary for Reach 7aR: Overland Flow

Inflow Area = 0.015 ac,100.00% Impervious, Inflow Depth > 6.67" for 25Yr-24Hr event
Inflow = 0.10 cfs @ 12.09 hrs, Volume= 0.008 af
Outflow = 0.10 cfs @ 12.09 hrs, Volume= 0.008 af, Atten= 0%, Lag= 0.3 min

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Max. Velocity= 1.28 fps, Min. Travel Time= 0.3 min
Avg. Velocity = 0.45 fps, Avg. Travel Time= 0.9 min

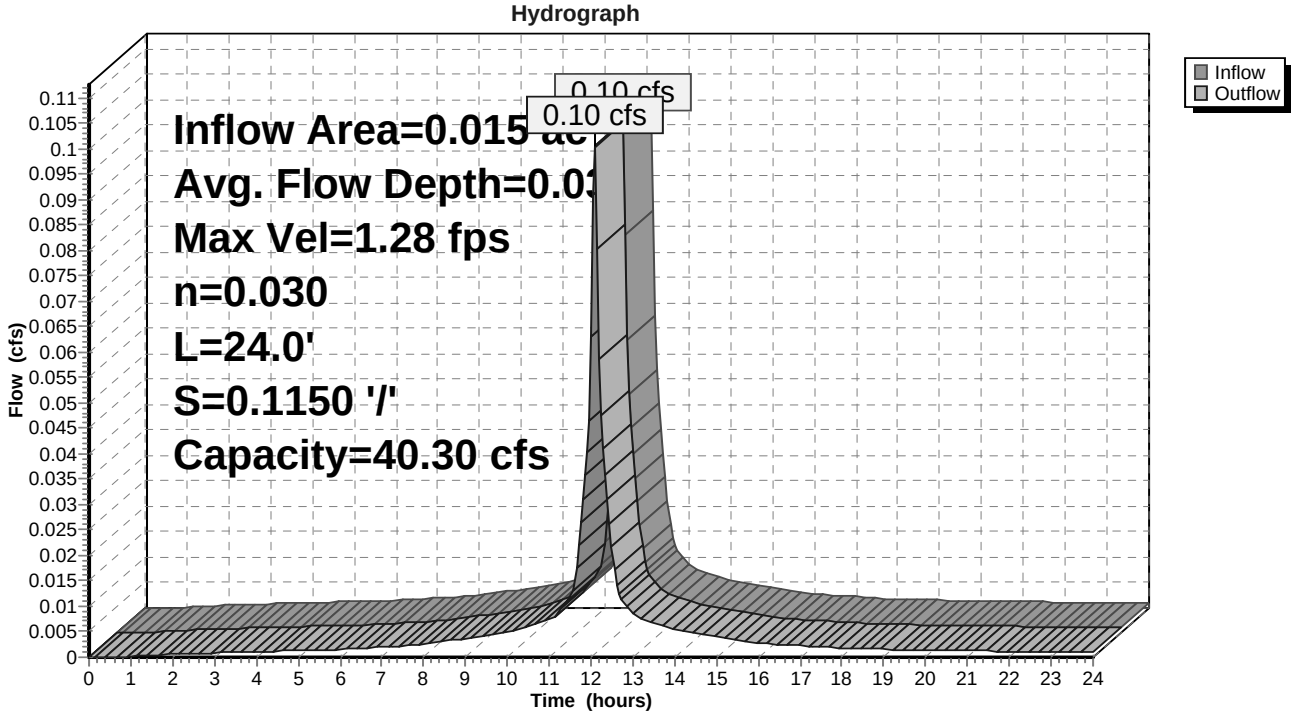
Peak Storage= 2 cf @ 12.09 hrs
Average Depth at Peak Storage= 0.03'
Bank-Full Depth= 0.50' Flow Area= 5.0 sf, Capacity= 40.30 cfs

15.00' x 0.50' deep Parabolic Channel, n= 0.030 Earth, grassed & winding
Length= 24.0' Slope= 0.1150 '/'
Inlet Invert= 148.76', Outlet Invert= 146.00'



‡

Reach 7aR: Overland Flow



Summary for Reach 7bR: Overland Flow

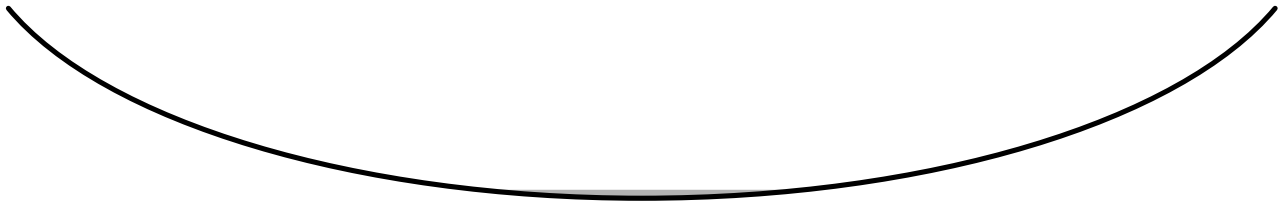
[61] Hint: Exceeded Reach 7aR outlet invert by 0.02' @ 12.10 hrs

Inflow Area = 0.015 ac,100.00% Impervious, Inflow Depth > 6.67" for 25Yr-24Hr event
Inflow = 0.10 cfs @ 12.09 hrs, Volume= 0.008 af
Outflow = 0.10 cfs @ 12.09 hrs, Volume= 0.008 af, Atten= 0%, Lag= 0.1 min

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Max. Velocity= 2.22 fps, Min. Travel Time= 0.1 min
Avg. Velocity = 0.89 fps, Avg. Travel Time= 0.4 min

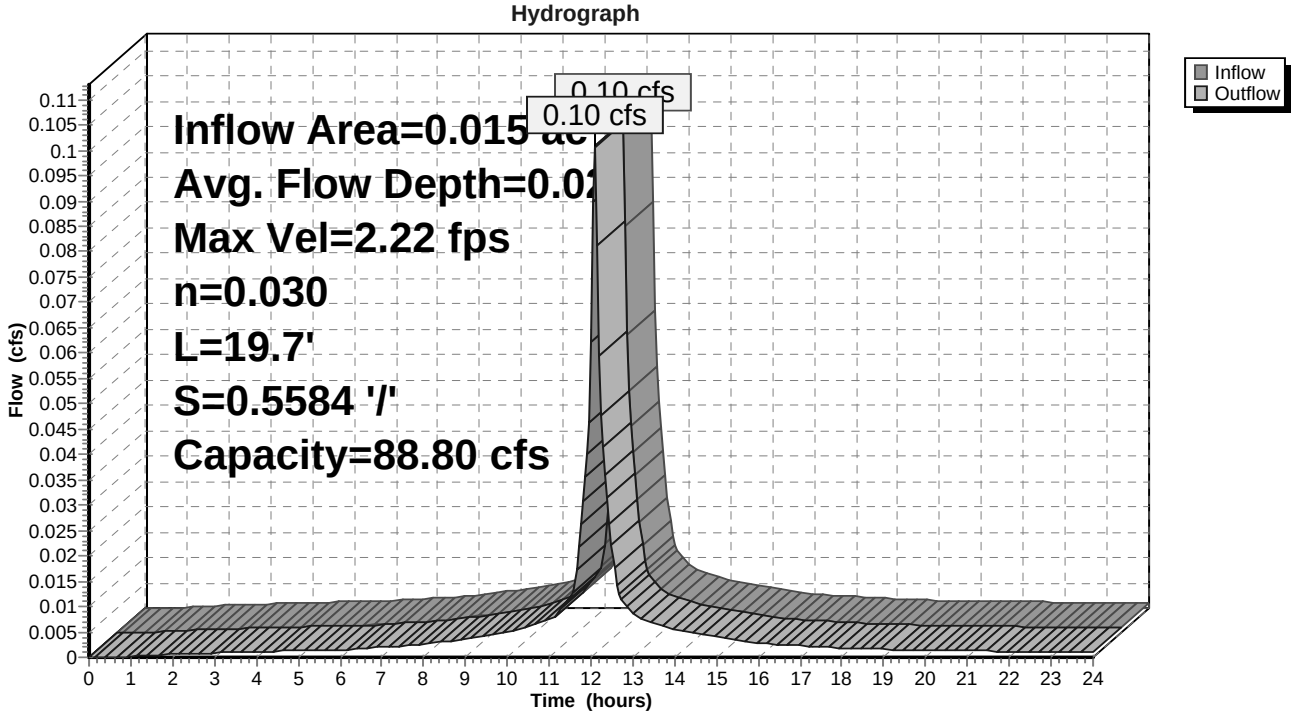
Peak Storage= 1 cf @ 12.09 hrs
Average Depth at Peak Storage= 0.02'
Bank-Full Depth= 0.50' Flow Area= 5.0 sf, Capacity= 88.80 cfs

15.00' x 0.50' deep Parabolic Channel, n= 0.030 Earth, grassed & winding
Length= 19.7' Slope= 0.5584 '/'
Inlet Invert= 146.00', Outlet Invert= 135.00'



‡

Reach 7bR: Overland Flow



Summary for Reach 7cR: Overland Flow

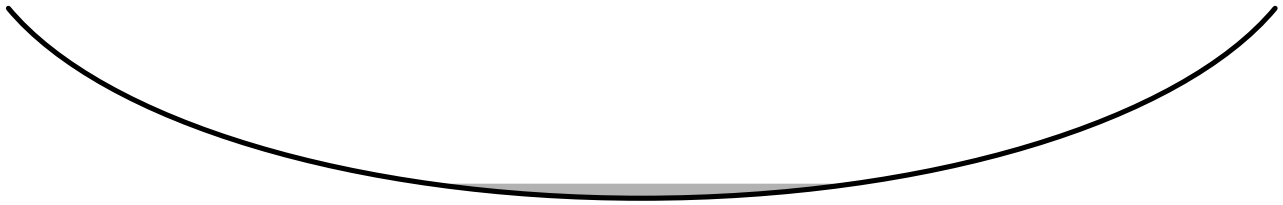
[62] Hint: Exceeded Reach 7bR OUTLET depth by 0.02' @ 12.15 hrs

Inflow Area = 0.015 ac,100.00% Impervious, Inflow Depth > 6.67" for 25Yr-24Hr event
Inflow = 0.10 cfs @ 12.09 hrs, Volume= 0.008 af
Outflow = 0.09 cfs @ 12.12 hrs, Volume= 0.008 af, Atten= 7%, Lag= 1.8 min

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Max. Velocity= 0.92 fps, Min. Travel Time= 2.8 min
Avg. Velocity = 0.32 fps, Avg. Travel Time= 8.0 min

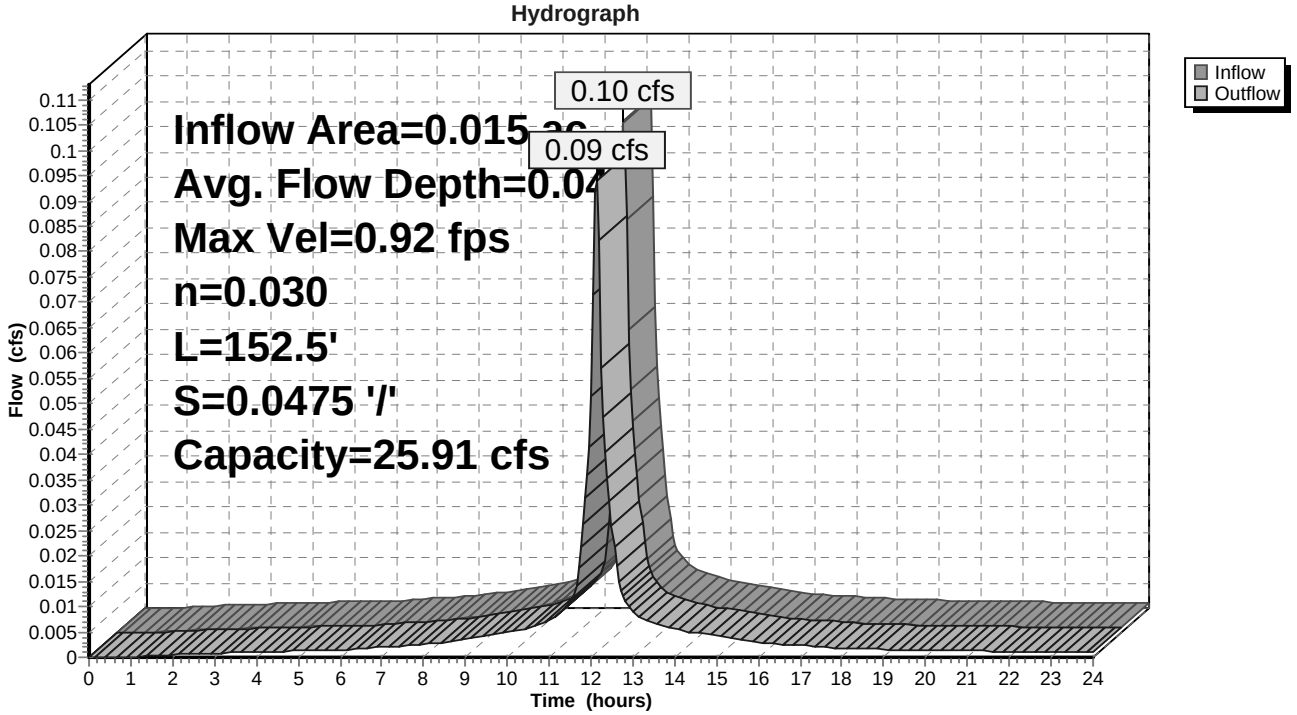
Peak Storage= 16 cf @ 12.12 hrs
Average Depth at Peak Storage= 0.04'
Bank-Full Depth= 0.50' Flow Area= 5.0 sf, Capacity= 25.91 cfs

15.00' x 0.50' deep Parabolic Channel, n= 0.030 Earth, grassed & winding
Length= 152.5' Slope= 0.0475 '/'
Inlet Invert= 135.00', Outlet Invert= 127.75'



‡

Reach 7cR: Overland Flow



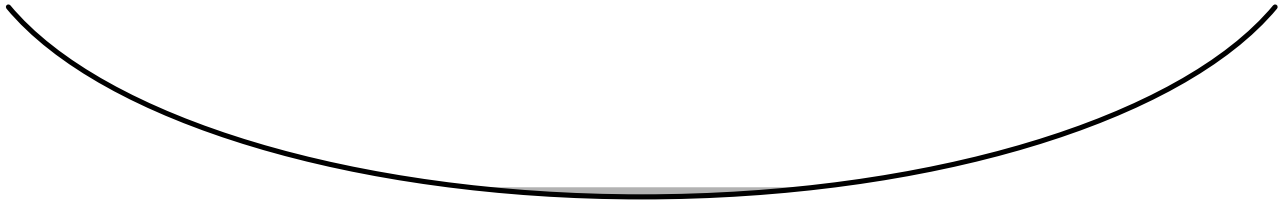
Summary for Reach 8aR: Overland Flow

Inflow Area = 0.015 ac,100.00% Impervious, Inflow Depth > 6.67" for 25Yr-24Hr event
Inflow = 0.10 cfs @ 12.09 hrs, Volume= 0.008 af
Outflow = 0.10 cfs @ 12.09 hrs, Volume= 0.008 af, Atten= 0%, Lag= 0.1 min

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Max. Velocity= 1.84 fps, Min. Travel Time= 0.2 min
Avg. Velocity = 0.71 fps, Avg. Travel Time= 0.5 min

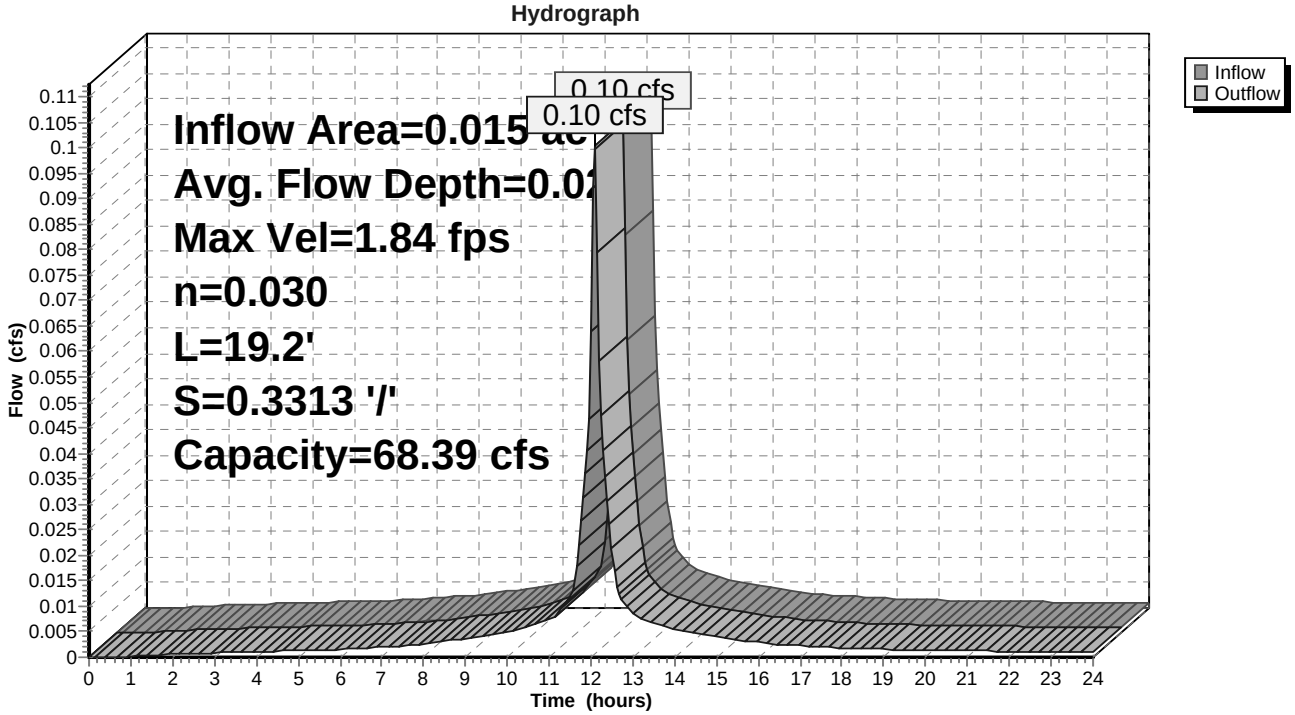
Peak Storage= 1 cf @ 12.09 hrs
Average Depth at Peak Storage= 0.02'
Bank-Full Depth= 0.50' Flow Area= 5.0 sf, Capacity= 68.39 cfs

15.00' x 0.50' deep Parabolic Channel, n= 0.030 Earth, grassed & winding
Length= 19.2' Slope= 0.3313 '/'
Inlet Invert= 146.36', Outlet Invert= 140.00'



‡

Reach 8aR: Overland Flow



Summary for Reach 8bR: Overland Flow

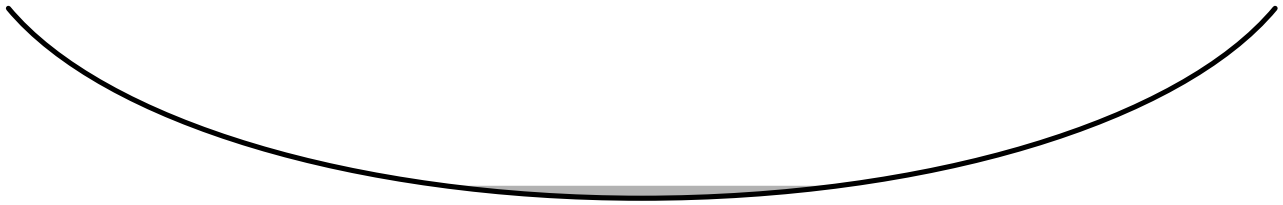
[62] Hint: Exceeded Reach 8aR OUTLET depth by 0.01' @ 12.15 hrs

Inflow Area = 0.015 ac,100.00% Impervious, Inflow Depth > 6.67" for 25Yr-24Hr event
Inflow = 0.10 cfs @ 12.09 hrs, Volume= 0.008 af
Outflow = 0.10 cfs @ 12.10 hrs, Volume= 0.008 af, Atten= 0%, Lag= 0.8 min

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Max. Velocity= 1.20 fps, Min. Travel Time= 1.1 min
Avg. Velocity = 0.42 fps, Avg. Travel Time= 3.1 min

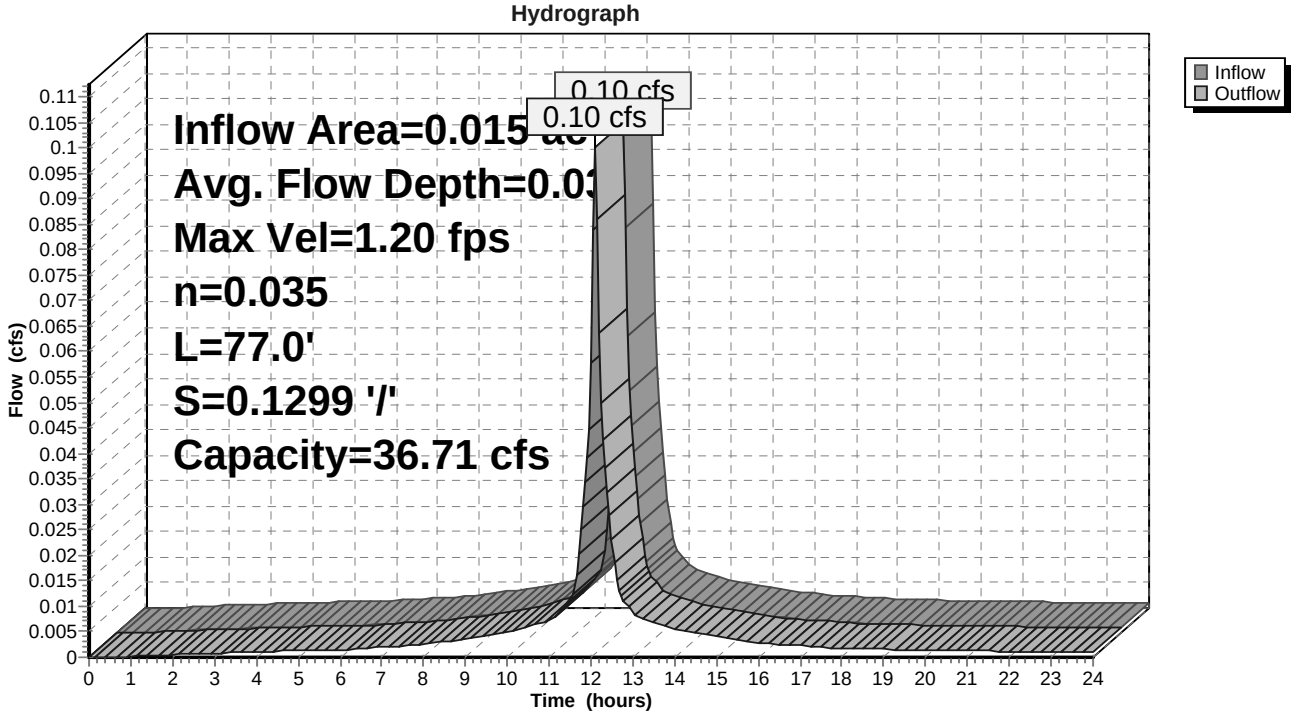
Peak Storage= 6 cf @ 12.10 hrs
Average Depth at Peak Storage= 0.03'
Bank-Full Depth= 0.50' Flow Area= 5.0 sf, Capacity= 36.71 cfs

15.00' x 0.50' deep Parabolic Channel, n= 0.035 Earth, dense weeds
Length= 77.0' Slope= 0.1299 '/'
Inlet Invert= 140.00', Outlet Invert= 130.00'



‡

Reach 8bR: Overland Flow



Summary for Reach 8cR: Overland Flow

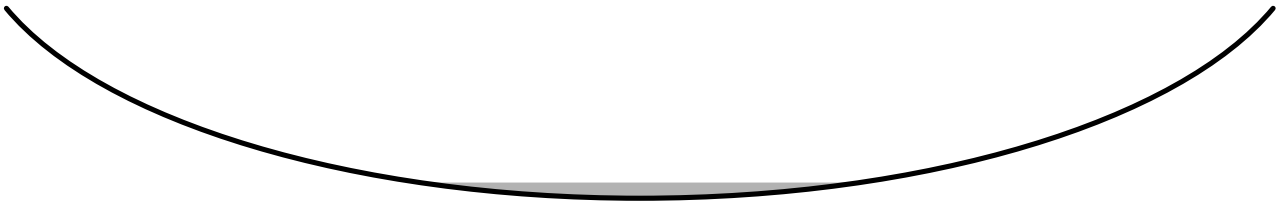
[62] Hint: Exceeded Reach 8bR OUTLET depth by 0.01' @ 12.15 hrs

Inflow Area = 0.015 ac,100.00% Impervious, Inflow Depth > 6.66" for 25Yr-24Hr event
Inflow = 0.10 cfs @ 12.10 hrs, Volume= 0.008 af
Outflow = 0.10 cfs @ 12.12 hrs, Volume= 0.008 af, Atten= 2%, Lag= 0.8 min

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Max. Velocity= 0.85 fps, Min. Travel Time= 1.1 min
Avg. Velocity = 0.29 fps, Avg. Travel Time= 3.2 min

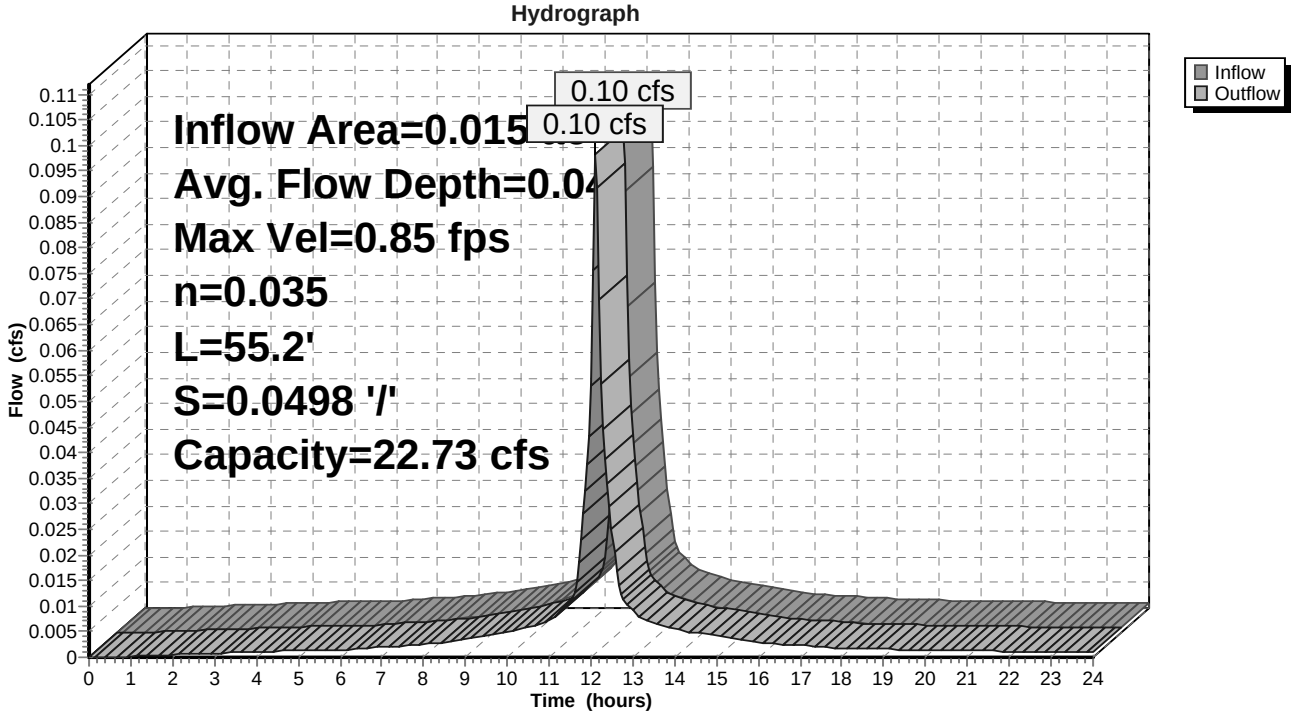
Peak Storage= 6 cf @ 12.12 hrs
Average Depth at Peak Storage= 0.04'
Bank-Full Depth= 0.50' Flow Area= 5.0 sf, Capacity= 22.73 cfs

15.00' x 0.50' deep Parabolic Channel, n= 0.035 Earth, dense weeds
Length= 55.2' Slope= 0.0498 '/'
Inlet Invert= 130.00', Outlet Invert= 127.25'



‡

Reach 8cR: Overland Flow



Summary for Reach 8dR: Overland Flow

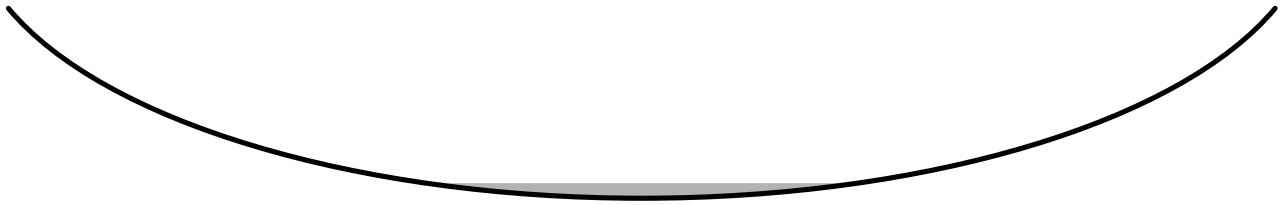
[62] Hint: Exceeded Reach 8cR OUTLET depth by 0.01' @ 12.25 hrs

Inflow Area = 0.015 ac,100.00% Impervious, Inflow Depth > 6.66" for 25Yr-24Hr event
Inflow = 0.10 cfs @ 12.12 hrs, Volume= 0.008 af
Outflow = 0.08 cfs @ 12.17 hrs, Volume= 0.008 af, Atten= 14%, Lag= 3.3 min

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Max. Velocity= 0.78 fps, Min. Travel Time= 5.7 min
Avg. Velocity = 0.28 fps, Avg. Travel Time= 15.9 min

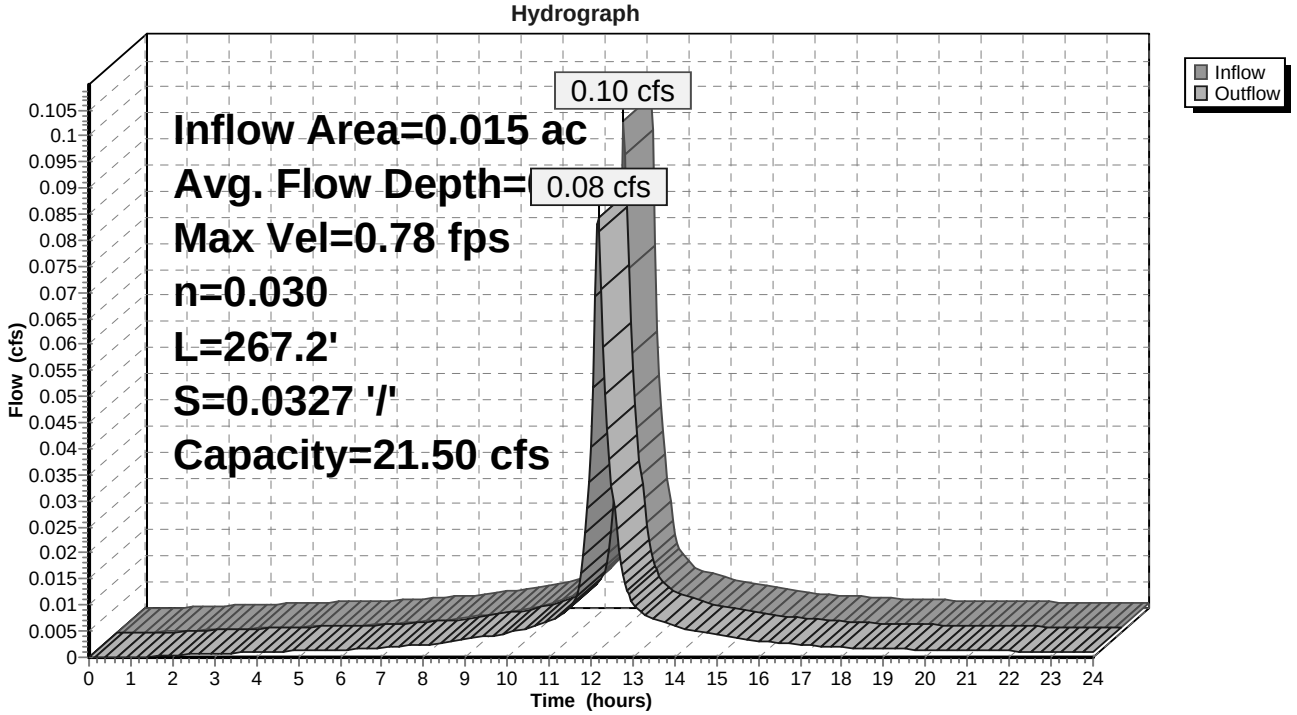
Peak Storage= 29 cf @ 12.17 hrs
Average Depth at Peak Storage= 0.04'
Bank-Full Depth= 0.50' Flow Area= 5.0 sf, Capacity= 21.50 cfs

15.00' x 0.50' deep Parabolic Channel, n= 0.030 Earth, grassed & winding
Length= 267.2' Slope= 0.0327 '/'
Inlet Invert= 127.25', Outlet Invert= 118.50'



‡

Reach 8dR: Overland Flow



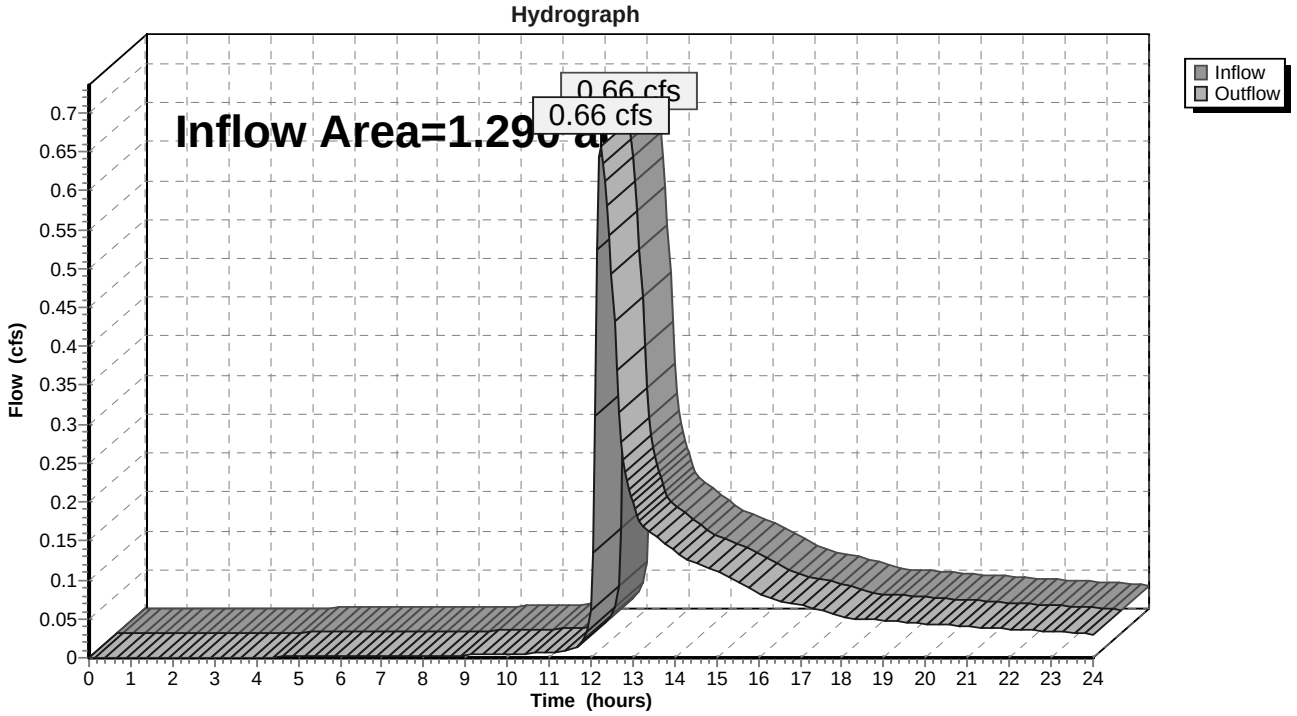
Summary for Reach 200R: Final Reach #200

[40] Hint: Not Described (Outflow=Inflow)

Inflow Area = 1.290 ac, 6.65% Impervious, Inflow Depth > 0.91" for 25Yr-24Hr event
Inflow = 0.66 cfs @ 12.24 hrs, Volume= 0.098 af
Outflow = 0.66 cfs @ 12.24 hrs, Volume= 0.098 af, Atten= 0%, Lag= 0.0 min

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs

Reach 200R: Final Reach #200



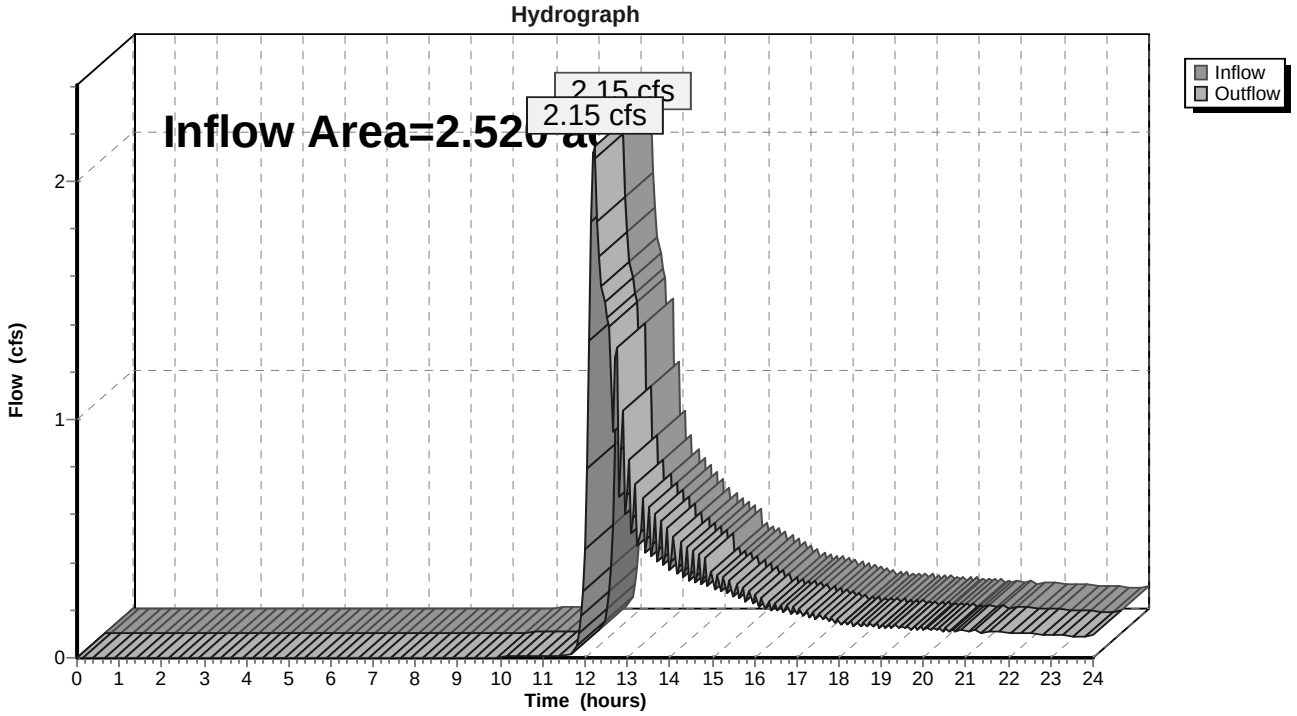
Summary for Reach 500R: Final Reach #500

[40] Hint: Not Described (Outflow=Inflow)

Inflow Area = 2.520 ac, 16.65% Impervious, Inflow Depth > 1.45" for 25Yr-24Hr event
Inflow = 2.15 cfs @ 12.22 hrs, Volume= 0.304 af
Outflow = 2.15 cfs @ 12.22 hrs, Volume= 0.304 af, Atten= 0%, Lag= 0.0 min

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs

Reach 500R: Final Reach #500



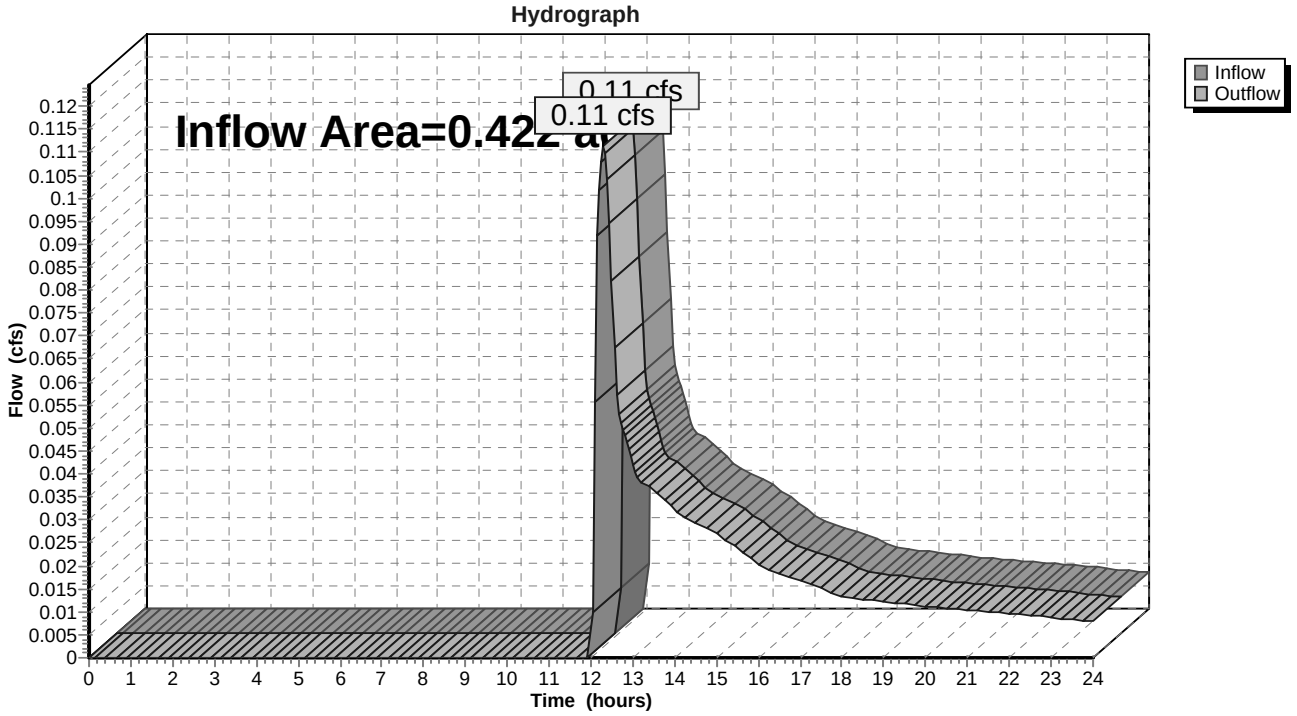
Summary for Reach 600R: Final Reach #600

[40] Hint: Not Described (Outflow=Inflow)

Inflow Area = 0.422 ac, 0.00% Impervious, Inflow Depth > 0.60" for 25Yr-24Hr event
Inflow = 0.11 cfs @ 12.31 hrs, Volume= 0.021 af
Outflow = 0.11 cfs @ 12.31 hrs, Volume= 0.021 af, Atten= 0%, Lag= 0.0 min

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs

Reach 600R: Final Reach #600



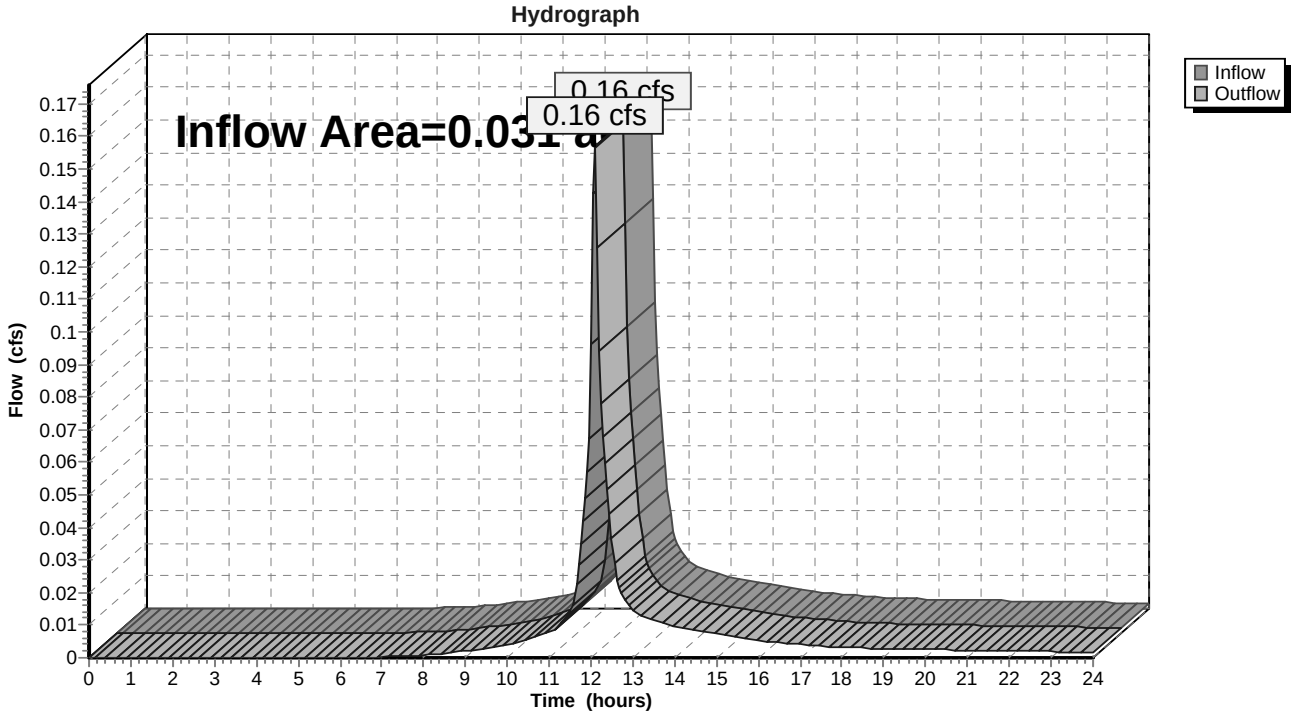
Summary for Reach 1000R: Final Reach #1000

[40] Hint: Not Described (Outflow=Inflow)

Inflow Area = 0.031 ac, 67.57% Impervious, Inflow Depth > 4.50" for 25Yr-24Hr event
Inflow = 0.16 cfs @ 12.09 hrs, Volume= 0.011 af
Outflow = 0.16 cfs @ 12.09 hrs, Volume= 0.011 af, Atten= 0%, Lag= 0.0 min

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs

Reach 1000R: Final Reach #1000



Summary for Pond 3P: Detention Pond

[93] Warning: Storage range exceeded by 0.51'
[62] Hint: Exceeded Reach 7cR OUTLET depth by 0.48' @ 12.20 hrs

Inflow Area = 0.431 ac, 18.21% Impervious, Inflow Depth > 1.63" for 25Yr-24Hr event
Inflow = 0.65 cfs @ 12.12 hrs, Volume= 0.058 af
Outflow = 0.64 cfs @ 12.20 hrs, Volume= 0.057 af, Atten= 2%, Lag= 4.9 min
Primary = 0.64 cfs @ 12.20 hrs, Volume= 0.057 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Peak Elev= 128.26' @ 12.20 hrs Surf.Area= 726 sf Storage= 292 cf

Plug-Flow detention time= 25.4 min calculated for 0.057 af (98% of inflow)
Center-of-Mass det. time= 16.5 min (884.7 - 868.2)

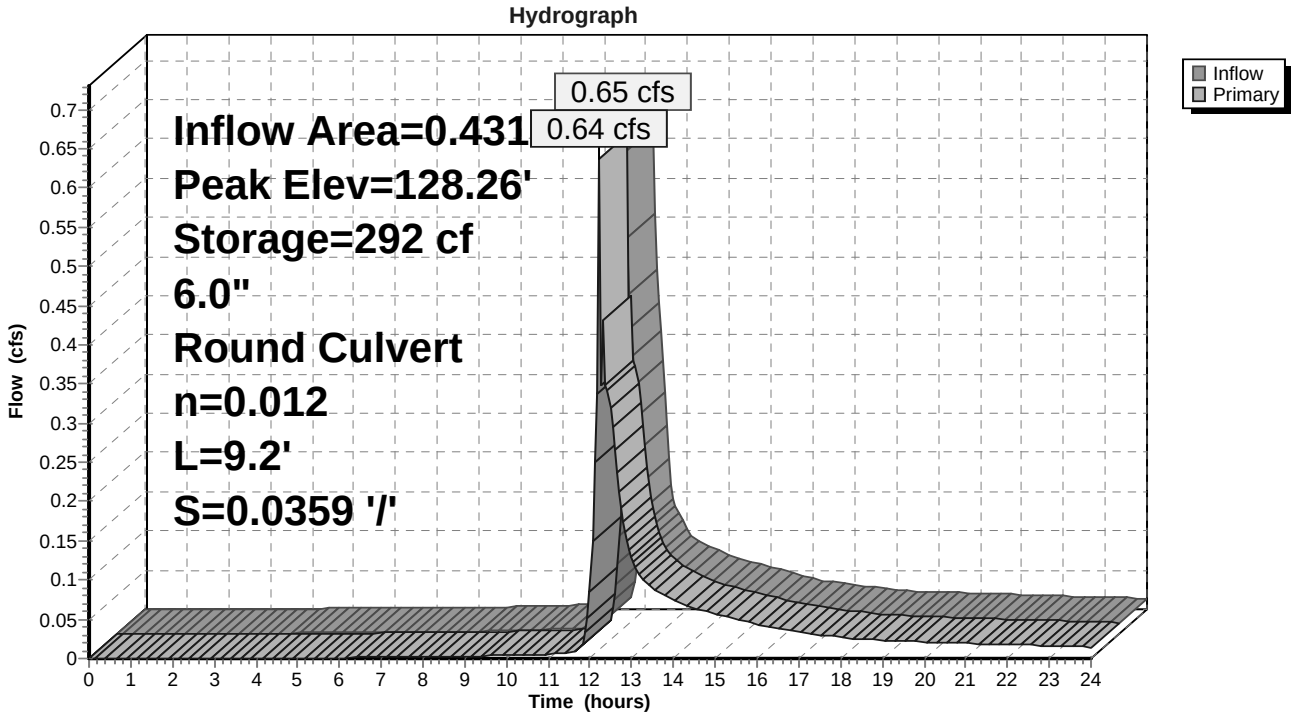
Volume	Invert	Avail.Storage	Storage Description
#1	127.28'	292 cf	**Open Water Storage (Irregular)** Listed below (Recalc)

Elevation (feet)	Surf.Area (sq-ft)	Perim. (feet)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)	Wet.Area (sq-ft)
127.28	522	93.9	0	0	522
127.75	726	110.0	292	292	788

Device	Routing	Invert	Outlet Devices
#1	Primary	127.28'	**6.0" Round 6" HDPE N-12?** L= 9.2' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 127.28' / 126.95' S= 0.0359 '/' Cc= 0.900 n= 0.012, Flow Area= 0.20 sf

Primary OutFlow Max=0.64 cfs @ 12.20 hrs HW=128.25' TW=127.08' (Dynamic Tailwater)
1=6" HDPE N-12? (Inlet Controls 0.64 cfs @ 3.24 fps)

Pond 3P: Detention Pond



Summary for Pond 4P: Detention Pond

[87] Warning: Oscillations may require smaller dt or Finer Routing (severity=75)

Inflow Area = 0.602 ac, 28.17% Impervious, Inflow Depth > 2.15" for 25Yr-24Hr event
Inflow = 1.24 cfs @ 12.15 hrs, Volume= 0.108 af
Outflow = 1.05 cfs @ 12.70 hrs, Volume= 0.068 af, Atten= 15%, Lag= 32.6 min
Primary = 1.05 cfs @ 12.70 hrs, Volume= 0.068 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Peak Elev= 123.58' @ 12.65 hrs Surf.Area= 2,680 sf Storage= 1,920 cf

Plug-Flow detention time= 201.5 min calculated for 0.068 af (63% of inflow)
Center-of-Mass det. time= 85.6 min (952.2 - 866.6)

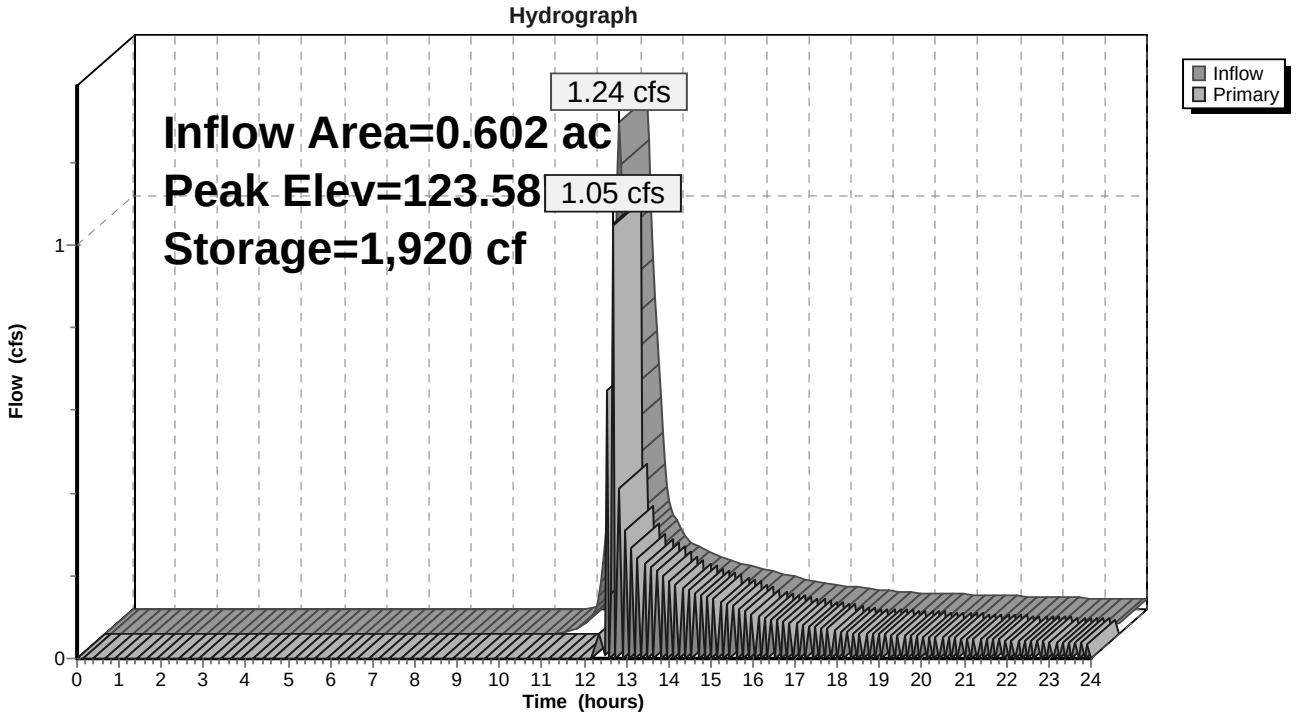
Volume	Invert	Avail.Storage	Storage Description
#1	122.25'	3,184 cf	**Open Water Storage (Irregular)** Listed below (Recalc)

Elevation (feet)	Surf.Area (sq-ft)	Perim. (feet)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)	Wet.Area (sq-ft)
122.25	92	42.6	0	0	92
123.00	1,897	175.8	602	602	2,408
124.00	3,335	225.4	2,582	3,184	4,005

Device	Routing	Invert	Outlet Devices
#1	Primary	123.50'	**40.0' long x 7.0' breadth Broad-Crested Rectangular Weir** Head (feet) 0.20 0.40 0.60 0.80 1.00 1.20 1.40 1.60 1.80 2.00 2.50 3.00 3.50 4.00 4.50 5.00 5.50 Coef. (English) 2.40 2.52 2.70 2.68 2.68 2.67 2.66 2.65 2.65 2.65 2.66 2.65 2.66 2.68 2.70 2.73 2.78

Primary OutFlow Max=0.00 cfs @ 12.70 hrs HW=123.56' TW=123.61' (Dynamic Tailwater)
1=Broad-Crested Rectangular Weir (Controls 0.00 cfs)

Pond 4P: Detention Pond



Time span=0.00-24.00 hrs, dt=0.05 hrs, 481 points
Runoff by SCS TR-20 method, UH=SCS, Weighted-CN
Reach routing by Dyn-Stor-Ind method - Pond routing by Dyn-Stor-Ind method

Subcatchment1aS: Sophie Runoff Area=1,332 sf 67.57% Impervious Runoff Depth>1.66"
Tc=6.0 min CN=79 Runoff=0.06 cfs 0.004 af

Subcatchment1S: Subcatchment#1 Runoff Area=16,029 sf 9.26% Impervious Runoff Depth>0.08"
Flow Length=436' Tc=10.7 min CN=44 Runoff=0.00 cfs 0.003 af

Subcatchment2S: Subcatchment#2 Runoff Area=39,494 sf 4.03% Impervious Runoff Depth>0.01"
Flow Length=486' Tc=11.5 min CN=39 Runoff=0.00 cfs 0.001 af

Subcatchment3S: Subcatchment#3 Runoff Area=18,098 sf 15.23% Impervious Runoff Depth>0.17"
Flow Length=254' Tc=6.7 min CN=48 Runoff=0.02 cfs 0.006 af

Subcatchment4S: Subcatchment#4 Runoff Area=26,233 sf 28.17% Impervious Runoff Depth>0.42"
Flow Length=250' Tc=9.9 min CN=56 Runoff=0.14 cfs 0.021 af

Subcatchment5S: Subcatchment#5 Runoff Area=64,765 sf 11.53% Impervious Runoff Depth>0.17"
Flow Length=428' Tc=12.0 min CN=48 Runoff=0.06 cfs 0.021 af

Subcatchment6S: Subcatchment#6 Runoff Area=18,362 sf 0.00% Impervious Runoff Depth>0.00"
Flow Length=186' Tc=6.0 min CN=37 Runoff=0.00 cfs 0.000 af

Subcatchment7S: Subcatchment#7 Runoff Area=660 sf 100.00% Impervious Runoff Depth>3.38"
Tc=6.0 min CN=98 Runoff=0.05 cfs 0.004 af

Subcatchment8S: Subcatchment#8 Runoff Area=660 sf 100.00% Impervious Runoff Depth>3.38"
Tc=6.0 min CN=98 Runoff=0.05 cfs 0.004 af

Reach 1aR: Overland Flow From Swale Avg. Flow Depth=0.01' Max Vel=0.62 fps Inflow=0.00 cfs 0.003 af
n=0.035 L=22.4' S=0.2009 '/' Capacity=30.36 cfs Outflow=0.00 cfs 0.003 af

Reach 1bR: Overland Flow From Swale Avg. Flow Depth=0.01' Max Vel=0.24 fps Inflow=0.00 cfs 0.003 af
n=0.080 L=73.2' S=0.0786 '/' Capacity=8.31 cfs Outflow=0.00 cfs 0.003 af

Reach 3aR: Flow From Pond Outlet Avg. Flow Depth=0.03' Max Vel=1.14 fps Inflow=0.03 cfs 0.010 af
n=0.030 L=13.0' S=0.0923 '/' Capacity=11.85 cfs Outflow=0.03 cfs 0.010 af

Reach 3bR: Overland Flow Over Avg. Flow Depth=0.02' Max Vel=0.68 fps Inflow=0.03 cfs 0.010 af
n=0.022 L=153.2' S=0.0294 '/' Capacity=27.77 cfs Outflow=0.03 cfs 0.010 af

Reach 4aR: Overflow From Depression Avg. Flow Depth=0.00' Max Vel=0.00 fps Inflow=0.00 cfs 0.000 af
n=0.035 L=78.7' S=0.0286 '/' Capacity=17.22 cfs Outflow=0.00 cfs 0.000 af

Reach 4bR: Combined Overland Flow Avg. Flow Depth=0.02' Max Vel=0.53 fps Inflow=0.03 cfs 0.010 af
n=0.035 L=68.5' S=0.0365 '/' Capacity=19.46 cfs Outflow=0.03 cfs 0.010 af

Reach 7aR: Overland Flow Avg. Flow Depth=0.02' Max Vel=1.05 fps Inflow=0.05 cfs 0.004 af
n=0.030 L=24.0' S=0.1150 '/' Capacity=40.30 cfs Outflow=0.05 cfs 0.004 af

Reach 7bR: Overland Flow Avg. Flow Depth=0.02' Max Vel=1.82 fps Inflow=0.05 cfs 0.004 af
n=0.030 L=19.7' S=0.5584 '/' Capacity=88.80 cfs Outflow=0.05 cfs 0.004 af

Reach 7cR: Overland Flow Avg. Flow Depth=0.03' Max Vel=0.75 fps Inflow=0.05 cfs 0.004 af
n=0.030 L=152.5' S=0.0475 '/' Capacity=25.91 cfs Outflow=0.05 cfs 0.004 af

Reach 8aR: Overland Flow Avg. Flow Depth=0.02' Max Vel=1.52 fps Inflow=0.05 cfs 0.004 af
n=0.030 L=19.2' S=0.3313 '/' Capacity=68.39 cfs Outflow=0.05 cfs 0.004 af

Reach 8bR: Overland Flow Avg. Flow Depth=0.02' Max Vel=0.98 fps Inflow=0.05 cfs 0.004 af
n=0.035 L=77.0' S=0.1299 '/' Capacity=36.71 cfs Outflow=0.05 cfs 0.004 af

Reach 8cR: Overland Flow Avg. Flow Depth=0.03' Max Vel=0.69 fps Inflow=0.05 cfs 0.004 af
n=0.035 L=55.2' S=0.0498 '/' Capacity=22.73 cfs Outflow=0.05 cfs 0.004 af

Reach 8dR: Overland Flow Avg. Flow Depth=0.03' Max Vel=0.63 fps Inflow=0.05 cfs 0.004 af
n=0.030 L=267.2' S=0.0327 '/' Capacity=21.50 cfs Outflow=0.04 cfs 0.004 af

Reach 200R: Final Reach #200 Inflow=0.04 cfs 0.008 af
Outflow=0.04 cfs 0.008 af

Reach 500R: Final Reach #500 Inflow=0.09 cfs 0.031 af
Outflow=0.09 cfs 0.031 af

Reach 600R: Final Reach #600 Inflow=0.00 cfs 0.000 af
Outflow=0.00 cfs 0.000 af

Reach 1000R: Final Reach #1000 Inflow=0.06 cfs 0.004 af
Outflow=0.06 cfs 0.004 af

Pond 3P: Detention Pond Peak Elev=127.39' Storage=61 cf Inflow=0.05 cfs 0.010 af
6.0" Round Culvert n=0.012 L=9.2' S=0.0359 '/' Outflow=0.03 cfs 0.010 af

Pond 4P: Detention Pond Peak Elev=123.16' Storage=922 cf Inflow=0.14 cfs 0.021 af
Outflow=0.00 cfs 0.000 af

Total Runoff Area = 4.262 ac Runoff Volume = 0.065 af Average Runoff Depth = 0.18"
87.66% Pervious = 3.736 ac 12.34% Impervious = 0.526 ac

Time span=0.00-24.00 hrs, dt=0.05 hrs, 481 points
Runoff by SCS TR-20 method, UH=SCS, Weighted-CN
Reach routing by Dyn-Stor-Ind method - Pond routing by Dyn-Stor-Ind method

Subcatchment1aS: Sophie Runoff Area=1,332 sf 67.57% Impervious Runoff Depth>3.20"
Tc=6.0 min CN=79 Runoff=0.11 cfs 0.008 af

Subcatchment1S: Subcatchment#1 Runoff Area=16,029 sf 9.26% Impervious Runoff Depth>0.54"
Flow Length=436' Tc=10.7 min CN=44 Runoff=0.09 cfs 0.017 af

Subcatchment2S: Subcatchment#2 Runoff Area=39,494 sf 4.03% Impervious Runoff Depth>0.30"
Flow Length=486' Tc=11.5 min CN=39 Runoff=0.08 cfs 0.023 af

Subcatchment3S: Subcatchment#3 Runoff Area=18,098 sf 15.23% Impervious Runoff Depth>0.77"
Flow Length=254' Tc=6.7 min CN=48 Runoff=0.22 cfs 0.027 af

Subcatchment4S: Subcatchment#4 Runoff Area=26,233 sf 28.17% Impervious Runoff Depth>1.28"
Flow Length=250' Tc=9.9 min CN=56 Runoff=0.68 cfs 0.064 af

Subcatchment5S: Subcatchment#5 Runoff Area=64,765 sf 11.53% Impervious Runoff Depth>0.76"
Flow Length=428' Tc=12.0 min CN=48 Runoff=0.68 cfs 0.095 af

Subcatchment6S: Subcatchment#6 Runoff Area=18,362 sf 0.00% Impervious Runoff Depth>0.22"
Flow Length=186' Tc=6.0 min CN=37 Runoff=0.02 cfs 0.008 af

Subcatchment7S: Subcatchment#7 Runoff Area=660 sf 100.00% Impervious Runoff Depth>5.22"
Tc=6.0 min CN=98 Runoff=0.08 cfs 0.007 af

Subcatchment8S: Subcatchment#8 Runoff Area=660 sf 100.00% Impervious Runoff Depth>5.22"
Tc=6.0 min CN=98 Runoff=0.08 cfs 0.007 af

Reach 1aR: Overland Flow From Swale Avg. Flow Depth=0.03' Max Vel=1.54 fps Inflow=0.09 cfs 0.017 af
n=0.035 L=22.4' S=0.2009 '/' Capacity=30.36 cfs Outflow=0.09 cfs 0.017 af

Reach 1bR: Overland Flow From Swale Avg. Flow Depth=0.06' Max Vel=0.63 fps Inflow=0.09 cfs 0.017 af
n=0.080 L=73.2' S=0.0786 '/' Capacity=8.31 cfs Outflow=0.09 cfs 0.017 af

Reach 3aR: Flow From Pond Outlet Avg. Flow Depth=0.07' Max Vel=2.02 fps Inflow=0.19 cfs 0.032 af
n=0.030 L=13.0' S=0.0923 '/' Capacity=11.85 cfs Outflow=0.19 cfs 0.032 af

Reach 3bR: Overland Flow Over Avg. Flow Depth=0.05' Max Vel=1.20 fps Inflow=0.19 cfs 0.032 af
n=0.022 L=153.2' S=0.0294 '/' Capacity=27.77 cfs Outflow=0.19 cfs 0.032 af

Reach 4aR: Overflow From Depression Avg. Flow Depth=0.05' Max Vel=0.71 fps Inflow=0.20 cfs 0.024 af
n=0.035 L=78.7' S=0.0286 '/' Capacity=17.22 cfs Outflow=0.11 cfs 0.024 af

Reach 4bR: Combined Overland Flow Avg. Flow Depth=0.06' Max Vel=0.94 fps Inflow=0.19 cfs 0.057 af
n=0.035 L=68.5' S=0.0365 '/' Capacity=19.46 cfs Outflow=0.19 cfs 0.056 af

Reach 7aR: Overland Flow Avg. Flow Depth=0.03' Max Vel=1.19 fps Inflow=0.08 cfs 0.007 af
n=0.030 L=24.0' S=0.1150 '/' Capacity=40.30 cfs Outflow=0.08 cfs 0.007 af

Reach 7bR: Overland Flow Avg. Flow Depth=0.02' Max Vel=2.06 fps Inflow=0.08 cfs 0.007 af
n=0.030 L=19.7' S=0.5584 '/' Capacity=88.80 cfs Outflow=0.08 cfs 0.007 af

Reach 7cR: Overland Flow Avg. Flow Depth=0.03' Max Vel=0.85 fps Inflow=0.08 cfs 0.007 af
n=0.030 L=152.5' S=0.0475 '/' Capacity=25.91 cfs Outflow=0.07 cfs 0.007 af

Reach 8aR: Overland Flow Avg. Flow Depth=0.02' Max Vel=1.72 fps Inflow=0.08 cfs 0.007 af
n=0.030 L=19.2' S=0.3313 '/' Capacity=68.39 cfs Outflow=0.08 cfs 0.007 af

Reach 8bR: Overland Flow Avg. Flow Depth=0.03' Max Vel=1.11 fps Inflow=0.08 cfs 0.007 af
n=0.035 L=77.0' S=0.1299 '/' Capacity=36.71 cfs Outflow=0.08 cfs 0.007 af

Reach 8cR: Overland Flow Avg. Flow Depth=0.04' Max Vel=0.79 fps Inflow=0.08 cfs 0.007 af
n=0.035 L=55.2' S=0.0498 '/' Capacity=22.73 cfs Outflow=0.08 cfs 0.007 af

Reach 8dR: Overland Flow Avg. Flow Depth=0.03' Max Vel=0.72 fps Inflow=0.08 cfs 0.007 af
n=0.030 L=267.2' S=0.0327 '/' Capacity=21.50 cfs Outflow=0.06 cfs 0.007 af

Reach 200R: Final Reach #200 Inflow=0.20 cfs 0.046 af
Outflow=0.20 cfs 0.046 af

Reach 500R: Final Reach #500 Inflow=0.84 cfs 0.151 af
Outflow=0.84 cfs 0.151 af

Reach 600R: Final Reach #600 Inflow=0.02 cfs 0.008 af
Outflow=0.02 cfs 0.008 af

Reach 1000R: Final Reach #1000 Inflow=0.11 cfs 0.008 af
Outflow=0.11 cfs 0.008 af

Pond 3P: Detention Pond Peak Elev=127.59' Storage=182 cf Inflow=0.30 cfs 0.033 af
6.0" Round Culvert n=0.012 L=9.2' S=0.0359 '/' Outflow=0.19 cfs 0.032 af

Pond 4P: Detention Pond Peak Elev=123.52' Storage=1,770 cf Inflow=0.68 cfs 0.064 af
Outflow=0.20 cfs 0.024 af

Total Runoff Area = 4.262 ac Runoff Volume = 0.254 af Average Runoff Depth = 0.72"
87.66% Pervious = 3.736 ac 12.34% Impervious = 0.526 ac

Time span=0.00-24.00 hrs, dt=0.05 hrs, 481 points
Runoff by SCS TR-20 method, UH=SCS, Weighted-CN
Reach routing by Dyn-Stor-Ind method - Pond routing by Dyn-Stor-Ind method

Subcatchment1aS: Sophie Runoff Area=1,332 sf 67.57% Impervious Runoff Depth>4.50"
Tc=6.0 min CN=79 Runoff=0.16 cfs 0.011 af

Subcatchment1S: Subcatchment#1 Runoff Area=16,029 sf 9.26% Impervious Runoff Depth>1.11"
Flow Length=436' Tc=10.7 min CN=44 Runoff=0.28 cfs 0.034 af

Subcatchment2S: Subcatchment#2 Runoff Area=39,494 sf 4.03% Impervious Runoff Depth>0.73"
Flow Length=486' Tc=11.5 min CN=39 Runoff=0.32 cfs 0.055 af

Subcatchment3S: Subcatchment#3 Runoff Area=18,098 sf 15.23% Impervious Runoff Depth>1.44"
Flow Length=254' Tc=6.7 min CN=48 Runoff=0.56 cfs 0.050 af

Subcatchment4S: Subcatchment#4 Runoff Area=26,233 sf 28.17% Impervious Runoff Depth>2.15"
Flow Length=250' Tc=9.9 min CN=56 Runoff=1.24 cfs 0.108 af

Subcatchment5S: Subcatchment#5 Runoff Area=64,765 sf 11.53% Impervious Runoff Depth>1.44"
Flow Length=428' Tc=12.0 min CN=48 Runoff=1.67 cfs 0.178 af

Subcatchment6S: Subcatchment#6 Runoff Area=18,362 sf 0.00% Impervious Runoff Depth>0.60"
Flow Length=186' Tc=6.0 min CN=37 Runoff=0.11 cfs 0.021 af

Subcatchment7S: Subcatchment#7 Runoff Area=660 sf 100.00% Impervious Runoff Depth>6.67"
Tc=6.0 min CN=98 Runoff=0.10 cfs 0.008 af

Subcatchment8S: Subcatchment#8 Runoff Area=660 sf 100.00% Impervious Runoff Depth>6.67"
Tc=6.0 min CN=98 Runoff=0.10 cfs 0.008 af

Reach 1aR: Overland Flow From Swale Avg. Flow Depth=0.06' Max Vel=2.17 fps Inflow=0.28 cfs 0.034 af
n=0.035 L=22.4' S=0.2009 '/' Capacity=30.36 cfs Outflow=0.28 cfs 0.034 af

Reach 1bR: Overland Flow From Swale Avg. Flow Depth=0.11' Max Vel=0.88 fps Inflow=0.28 cfs 0.034 af
n=0.080 L=73.2' S=0.0786 '/' Capacity=8.31 cfs Outflow=0.29 cfs 0.034 af

Reach 3aR: Flow From Pond Outlet Avg. Flow Depth=0.13' Max Vel=2.91 fps Inflow=0.64 cfs 0.057 af
n=0.030 L=13.0' S=0.0923 '/' Capacity=11.85 cfs Outflow=0.63 cfs 0.057 af

Reach 3bR: Overland Flow Over Avg. Flow Depth=0.08' Max Vel=1.62 fps Inflow=0.63 cfs 0.057 af
n=0.022 L=153.2' S=0.0294 '/' Capacity=27.77 cfs Outflow=0.53 cfs 0.057 af

Reach 4aR: Overflow From Depression Avg. Flow Depth=0.12' Max Vel=1.31 fps Inflow=1.05 cfs 0.068 af
n=0.035 L=78.7' S=0.0286 '/' Capacity=17.22 cfs Outflow=0.76 cfs 0.068 af

Reach 4bR: Combined Overland Flow Avg. Flow Depth=0.12' Max Vel=1.48 fps Inflow=0.98 cfs 0.126 af
n=0.035 L=68.5' S=0.0365 '/' Capacity=19.46 cfs Outflow=0.89 cfs 0.126 af

Reach 7aR: Overland Flow Avg. Flow Depth=0.03' Max Vel=1.28 fps Inflow=0.10 cfs 0.008 af
n=0.030 L=24.0' S=0.1150 '/' Capacity=40.30 cfs Outflow=0.10 cfs 0.008 af

Reach 7bR: Overland Flow Avg. Flow Depth=0.02' Max Vel=2.22 fps Inflow=0.10 cfs 0.008 af
n=0.030 L=19.7' S=0.5584 '/' Capacity=88.80 cfs Outflow=0.10 cfs 0.008 af

Reach 7cR: Overland Flow Avg. Flow Depth=0.04' Max Vel=0.92 fps Inflow=0.10 cfs 0.008 af
n=0.030 L=152.5' S=0.0475 '/' Capacity=25.91 cfs Outflow=0.09 cfs 0.008 af

Reach 8aR: Overland Flow Avg. Flow Depth=0.02' Max Vel=1.84 fps Inflow=0.10 cfs 0.008 af
n=0.030 L=19.2' S=0.3313 '/' Capacity=68.39 cfs Outflow=0.10 cfs 0.008 af

Reach 8bR: Overland Flow Avg. Flow Depth=0.03' Max Vel=1.20 fps Inflow=0.10 cfs 0.008 af
n=0.035 L=77.0' S=0.1299 '/' Capacity=36.71 cfs Outflow=0.10 cfs 0.008 af

Reach 8cR: Overland Flow Avg. Flow Depth=0.04' Max Vel=0.85 fps Inflow=0.10 cfs 0.008 af
n=0.035 L=55.2' S=0.0498 '/' Capacity=22.73 cfs Outflow=0.10 cfs 0.008 af

Reach 8dR: Overland Flow Avg. Flow Depth=0.04' Max Vel=0.78 fps Inflow=0.10 cfs 0.008 af
n=0.030 L=267.2' S=0.0327 '/' Capacity=21.50 cfs Outflow=0.08 cfs 0.008 af

Reach 200R: Final Reach #200 Inflow=0.66 cfs 0.098 af
Outflow=0.66 cfs 0.098 af

Reach 500R: Final Reach #500 Inflow=2.15 cfs 0.304 af
Outflow=2.15 cfs 0.304 af

Reach 600R: Final Reach #600 Inflow=0.11 cfs 0.021 af
Outflow=0.11 cfs 0.021 af

Reach 1000R: Final Reach #1000 Inflow=0.16 cfs 0.011 af
Outflow=0.16 cfs 0.011 af

Pond 3P: Detention Pond Peak Elev=128.26' Storage=292 cf Inflow=0.65 cfs 0.058 af
6.0" Round Culvert n=0.012 L=9.2' S=0.0359 '/' Outflow=0.64 cfs 0.057 af

Pond 4P: Detention Pond Peak Elev=123.58' Storage=1,920 cf Inflow=1.24 cfs 0.108 af
Outflow=1.05 cfs 0.068 af

Total Runoff Area = 4.262 ac Runoff Volume = 0.475 af Average Runoff Depth = 1.34"
87.66% Pervious = 3.736 ac 12.34% Impervious = 0.526 ac

Time span=0.00-24.00 hrs, dt=0.05 hrs, 481 points
Runoff by SCS TR-20 method, UH=SCS, Weighted-CN
Reach routing by Dyn-Stor-Ind method - Pond routing by Dyn-Stor-Ind method

Subcatchment1aS: Sophie Runoff Area=1,332 sf 67.57% Impervious Runoff Depth>5.76"
Tc=6.0 min CN=79 Runoff=0.20 cfs 0.015 af

Subcatchment1S: Subcatchment#1 Runoff Area=16,029 sf 9.26% Impervious Runoff Depth>1.77"
Flow Length=436' Tc=10.7 min CN=44 Runoff=0.54 cfs 0.054 af

Subcatchment2S: Subcatchment#2 Runoff Area=39,494 sf 4.03% Impervious Runoff Depth>1.27"
Flow Length=486' Tc=11.5 min CN=39 Runoff=0.76 cfs 0.096 af

Subcatchment3S: Subcatchment#3 Runoff Area=18,098 sf 15.23% Impervious Runoff Depth>2.20"
Flow Length=254' Tc=6.7 min CN=48 Runoff=0.93 cfs 0.076 af

Subcatchment4S: Subcatchment#4 Runoff Area=26,233 sf 28.17% Impervious Runoff Depth>3.08"
Flow Length=250' Tc=9.9 min CN=56 Runoff=1.83 cfs 0.154 af

Subcatchment5S: Subcatchment#5 Runoff Area=64,765 sf 11.53% Impervious Runoff Depth>2.19"
Flow Length=428' Tc=12.0 min CN=48 Runoff=2.78 cfs 0.272 af

Subcatchment6S: Subcatchment#6 Runoff Area=18,362 sf 0.00% Impervious Runoff Depth>1.08"
Flow Length=186' Tc=6.0 min CN=37 Runoff=0.30 cfs 0.038 af

Subcatchment7S: Subcatchment#7 Runoff Area=660 sf 100.00% Impervious Runoff Depth>8.03"
Tc=6.0 min CN=98 Runoff=0.12 cfs 0.010 af

Subcatchment8S: Subcatchment#8 Runoff Area=660 sf 100.00% Impervious Runoff Depth>8.03"
Tc=6.0 min CN=98 Runoff=0.12 cfs 0.010 af

Reach 1aR: Overland Flow From Swale Avg. Flow Depth=0.08' Max Vel=2.62 fps Inflow=0.54 cfs 0.054 af
n=0.035 L=22.4' S=0.2009 '/' Capacity=30.36 cfs Outflow=0.53 cfs 0.054 af

Reach 1bR: Overland Flow From Swale Avg. Flow Depth=0.14' Max Vel=1.07 fps Inflow=0.53 cfs 0.054 af
n=0.080 L=73.2' S=0.0786 '/' Capacity=8.31 cfs Outflow=0.53 cfs 0.054 af

Reach 3aR: Flow From Pond Outlet Avg. Flow Depth=0.17' Max Vel=3.50 fps Inflow=1.21 cfs 0.085 af
n=0.030 L=13.0' S=0.0923 '/' Capacity=11.85 cfs Outflow=1.19 cfs 0.085 af

Reach 3bR: Overland Flow Over Avg. Flow Depth=0.11' Max Vel=2.03 fps Inflow=1.19 cfs 0.085 af
n=0.022 L=153.2' S=0.0294 '/' Capacity=27.77 cfs Outflow=1.05 cfs 0.085 af

Reach 4aR: Overflow From Depression Avg. Flow Depth=0.16' Max Vel=1.63 fps Inflow=1.79 cfs 0.114 af
n=0.035 L=78.7' S=0.0286 '/' Capacity=17.22 cfs Outflow=1.51 cfs 0.116 af

Reach 4bR: Combined Overland Flow Avg. Flow Depth=0.15' Max Vel=1.76 fps Inflow=1.85 cfs 0.201 af
n=0.035 L=68.5' S=0.0365 '/' Capacity=19.46 cfs Outflow=1.49 cfs 0.200 af

Reach 7aR: Overland Flow Avg. Flow Depth=0.03' Max Vel=1.35 fps Inflow=0.12 cfs 0.010 af
n=0.030 L=24.0' S=0.1150 '/' Capacity=40.30 cfs Outflow=0.12 cfs 0.010 af

Reach 7bR: Overland Flow Avg. Flow Depth=0.02' Max Vel=2.34 fps Inflow=0.12 cfs 0.010 af
n=0.030 L=19.7' S=0.5584 '/' Capacity=88.80 cfs Outflow=0.12 cfs 0.010 af

Reach 7cR: Overland Flow Avg. Flow Depth=0.04' Max Vel=0.97 fps Inflow=0.12 cfs 0.010 af
n=0.030 L=152.5' S=0.0475 '/' Capacity=25.91 cfs Outflow=0.11 cfs 0.010 af

Reach 8aR: Overland Flow Avg. Flow Depth=0.03' Max Vel=1.95 fps Inflow=0.12 cfs 0.010 af
n=0.030 L=19.2' S=0.3313 '/' Capacity=68.39 cfs Outflow=0.12 cfs 0.010 af

Reach 8bR: Overland Flow Avg. Flow Depth=0.04' Max Vel=1.26 fps Inflow=0.12 cfs 0.010 af
n=0.035 L=77.0' S=0.1299 '/' Capacity=36.71 cfs Outflow=0.12 cfs 0.010 af

Reach 8cR: Overland Flow Avg. Flow Depth=0.04' Max Vel=0.90 fps Inflow=0.12 cfs 0.010 af
n=0.035 L=55.2' S=0.0498 '/' Capacity=22.73 cfs Outflow=0.12 cfs 0.010 af

Reach 8dR: Overland Flow Avg. Flow Depth=0.04' Max Vel=0.83 fps Inflow=0.12 cfs 0.010 af
n=0.030 L=267.2' S=0.0327 '/' Capacity=21.50 cfs Outflow=0.10 cfs 0.010 af

Reach 200R: Final Reach #200 Inflow=1.39 cfs 0.160 af
Outflow=1.39 cfs 0.160 af

Reach 500R: Final Reach #500 Inflow=3.91 cfs 0.472 af
Outflow=3.91 cfs 0.472 af

Reach 600R: Final Reach #600 Inflow=0.30 cfs 0.038 af
Outflow=0.30 cfs 0.038 af

Reach 1000R: Final Reach #1000 Inflow=0.20 cfs 0.015 af
Outflow=0.20 cfs 0.015 af

Pond 3P: Detention Pond Peak Elev=130.08' Storage=292 cf Inflow=1.04 cfs 0.086 af
6.0" Round Culvert n=0.012 L=9.2' S=0.0359 '/' Outflow=1.21 cfs 0.085 af

Pond 4P: Detention Pond Peak Elev=123.63' Storage=2,070 cf Inflow=1.83 cfs 0.154 af
Outflow=1.79 cfs 0.114 af

Total Runoff Area = 4.262 ac Runoff Volume = 0.725 af Average Runoff Depth = 2.04"
87.66% Pervious = 3.736 ac 12.34% Impervious = 0.526 ac

Time span=0.00-24.00 hrs, dt=0.05 hrs, 481 points
Runoff by SCS TR-20 method, UH=SCS, Weighted-CN
Reach routing by Dyn-Stor-Ind method - Pond routing by Dyn-Stor-Ind method

Subcatchment1aS: Sophie Runoff Area=1,332 sf 67.57% Impervious Runoff Depth>7.28"
Tc=6.0 min CN=79 Runoff=0.25 cfs 0.019 af

Subcatchment1S: Subcatchment#1 Runoff Area=16,029 sf 9.26% Impervious Runoff Depth>2.68"
Flow Length=436' Tc=10.7 min CN=44 Runoff=0.89 cfs 0.082 af

Subcatchment2S: Subcatchment#2 Runoff Area=39,494 sf 4.03% Impervious Runoff Depth>2.03"
Flow Length=486' Tc=11.5 min CN=39 Runoff=1.45 cfs 0.154 af

Subcatchment3S: Subcatchment#3 Runoff Area=18,098 sf 15.23% Impervious Runoff Depth>3.21"
Flow Length=254' Tc=6.7 min CN=48 Runoff=1.43 cfs 0.111 af

Subcatchment4S: Subcatchment#4 Runoff Area=26,233 sf 28.17% Impervious Runoff Depth>4.27"
Flow Length=250' Tc=9.9 min CN=56 Runoff=2.58 cfs 0.214 af

Subcatchment5S: Subcatchment#5 Runoff Area=64,765 sf 11.53% Impervious Runoff Depth>3.21"
Flow Length=428' Tc=12.0 min CN=48 Runoff=4.28 cfs 0.397 af

Subcatchment6S: Subcatchment#6 Runoff Area=18,362 sf 0.00% Impervious Runoff Depth>1.79"
Flow Length=186' Tc=6.0 min CN=37 Runoff=0.67 cfs 0.063 af

Subcatchment7S: Subcatchment#7 Runoff Area=660 sf 100.00% Impervious Runoff Depth>9.64"
Tc=6.0 min CN=98 Runoff=0.14 cfs 0.012 af

Subcatchment8S: Subcatchment#8 Runoff Area=660 sf 100.00% Impervious Runoff Depth>9.64"
Tc=6.0 min CN=98 Runoff=0.14 cfs 0.012 af

Reach 1aR: Overland Flow From Swale Avg. Flow Depth=0.10' Max Vel=3.07 fps Inflow=0.89 cfs 0.082 af
n=0.035 L=22.4' S=0.2009 '/' Capacity=30.36 cfs Outflow=0.89 cfs 0.082 af

Reach 1bR: Overland Flow From Swale Avg. Flow Depth=0.18' Max Vel=1.25 fps Inflow=0.89 cfs 0.082 af
n=0.080 L=73.2' S=0.0786 '/' Capacity=8.31 cfs Outflow=0.88 cfs 0.082 af

Reach 3aR: Flow From Pond Outlet Avg. Flow Depth=0.20' Max Vel=3.93 fps Inflow=1.74 cfs 0.122 af
n=0.030 L=13.0' S=0.0923 '/' Capacity=11.85 cfs Outflow=1.70 cfs 0.122 af

Reach 3bR: Overland Flow Over Avg. Flow Depth=0.13' Max Vel=2.26 fps Inflow=1.70 cfs 0.122 af
n=0.022 L=153.2' S=0.0294 '/' Capacity=27.77 cfs Outflow=1.53 cfs 0.122 af

Reach 4aR: Overflow From Depression Avg. Flow Depth=0.22' Max Vel=1.97 fps Inflow=4.21 cfs 0.174 af
n=0.035 L=78.7' S=0.0286 '/' Capacity=17.22 cfs Outflow=2.81 cfs 0.178 af

Reach 4bR: Combined Overland Flow Avg. Flow Depth=0.22' Max Vel=2.24 fps Inflow=3.76 cfs 0.300 af
n=0.035 L=68.5' S=0.0365 '/' Capacity=19.46 cfs Outflow=3.28 cfs 0.300 af

Reach 7aR: Overland Flow Avg. Flow Depth=0.04' Max Vel=1.43 fps Inflow=0.14 cfs 0.012 af
n=0.030 L=24.0' S=0.1150 '/' Capacity=40.30 cfs Outflow=0.14 cfs 0.012 af

Reach 7bR: Overland Flow Avg. Flow Depth=0.03' Max Vel=2.47 fps Inflow=0.14 cfs 0.012 af
n=0.030 L=19.7' S=0.5584 '/' Capacity=88.80 cfs Outflow=0.14 cfs 0.012 af

Reach 7cR: Overland Flow Avg. Flow Depth=0.04' Max Vel=1.03 fps Inflow=0.14 cfs 0.012 af
n=0.030 L=152.5' S=0.0475 '/' Capacity=25.91 cfs Outflow=0.14 cfs 0.012 af

Reach 8aR: Overland Flow Avg. Flow Depth=0.03' Max Vel=2.06 fps Inflow=0.14 cfs 0.012 af
n=0.030 L=19.2' S=0.3313 '/' Capacity=68.39 cfs Outflow=0.14 cfs 0.012 af

Reach 8bR: Overland Flow Avg. Flow Depth=0.04' Max Vel=1.34 fps Inflow=0.14 cfs 0.012 af
n=0.035 L=77.0' S=0.1299 '/' Capacity=36.71 cfs Outflow=0.14 cfs 0.012 af

Reach 8cR: Overland Flow Avg. Flow Depth=0.05' Max Vel=0.95 fps Inflow=0.14 cfs 0.012 af
n=0.035 L=55.2' S=0.0498 '/' Capacity=22.73 cfs Outflow=0.14 cfs 0.012 af

Reach 8dR: Overland Flow Avg. Flow Depth=0.05' Max Vel=0.88 fps Inflow=0.14 cfs 0.012 af
n=0.030 L=267.2' S=0.0327 '/' Capacity=21.50 cfs Outflow=0.12 cfs 0.012 af

Reach 200R: Final Reach #200 Inflow=2.44 cfs 0.248 af
Outflow=2.44 cfs 0.248 af

Reach 500R: Final Reach #500 Inflow=7.16 cfs 0.697 af
Outflow=7.16 cfs 0.697 af

Reach 600R: Final Reach #600 Inflow=0.67 cfs 0.063 af
Outflow=0.67 cfs 0.063 af

Reach 1000R: Final Reach #1000 Inflow=0.25 cfs 0.019 af
Outflow=0.25 cfs 0.019 af

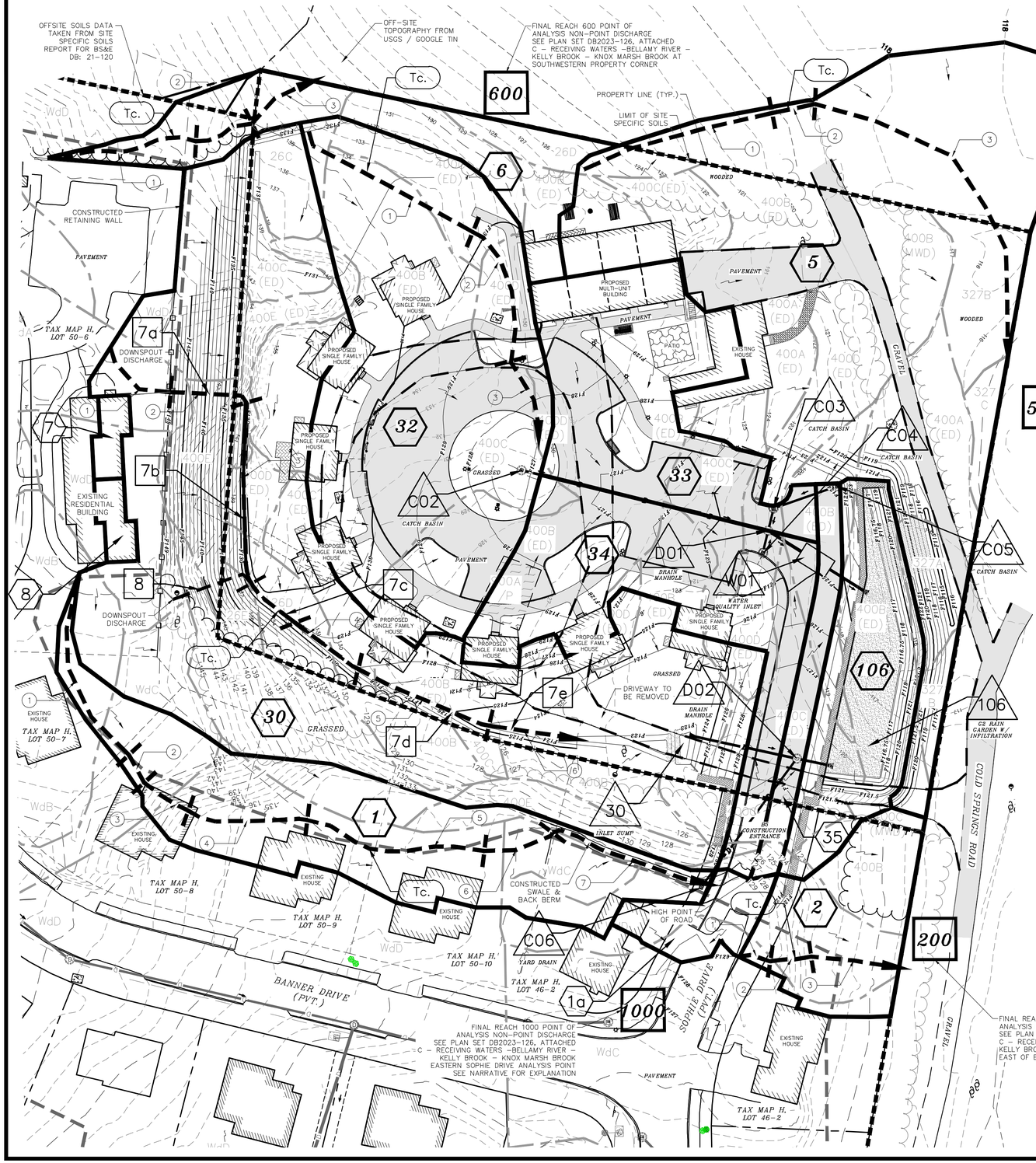
Pond 3P: Detention Pond Peak Elev=132.91' Storage=292 cf Inflow=1.57 cfs 0.123 af
6.0" Round Culvert n=0.012 L=9.2' S=0.0359 '/' Outflow=1.74 cfs 0.122 af

Pond 4P: Detention Pond Peak Elev=123.68' Storage=2,200 cf Inflow=2.58 cfs 0.214 af
Outflow=4.21 cfs 0.174 af

Total Runoff Area = 4.262 ac Runoff Volume = 1.064 af Average Runoff Depth = 3.00"
87.66% Pervious = 3.736 ac 12.34% Impervious = 0.526 ac

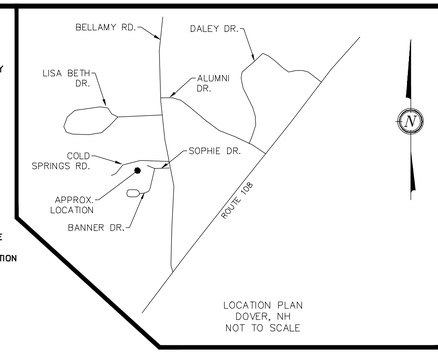
Appendix II - Proposed Conditions Analysis

25 Yr - 24 Hr. Full Summary
2 Yr - 24 Hr. Node Listing
10 Yr -24 Hr. Node Listing
25 Yr -24 Hr. Node Listing
50 Yr - 24 Hr. Node Listing
100 Yr -24 Hr. Node Listing



LEGEND:

- SOIL BOUNDARY
- LIMIT OF SITE SPECIFIC SOIL SURVEY
- NRCS SOIL LABEL
- LIMIT OF SUBCATCHMENT
- TIME OF CONCENTRATION
- DRAINAGE REACH
- S.C.R.D. STRAFFORD COUNTY REGISTRY OF DEEDS
- TYP. TYPICAL
- FND FOUND
- P.O.A. POINT OF ANALYSIS
- PVMT PAVEMENT
- DRAIN MANHOLE W/STRUCTURE
- CATCH BASIN W/ STRUCTURE
- STORMWATER BMP OUTLET STRUCTURE
- DRAIN CULVERT W/ FLARED END SECTION (F.E.S.)
- RIP RAP
- STORMWATER BEST MANAGEMENT PRACTICE (BMP)
- BERM
- RETAINING WALL
- PAVED TRAVEL WAY



LOCATION PLAN
DOVER, NH
NOT TO SCALE

NOTES:

1.) OWNER: 5 SHERMAN STREET LLC
242 CENTRAL AVE
DOVER, NH 03820

APPLICANT: KNOX MARSH DEVELOPMENT LLC
242 CENTRAL AVE
DOVER, NH 03820

2.) TAX MAP H, LOT 47-A

3.) S.C.R.D. BOOK 5190, PAGE 597

4.) LOT AREA: 117,854 Sq. Ft., 2.71 Ac.

5.) THE INTENT OF THIS PLAN IS TO SHOW THE PROPOSED WATERSHED CONDITIONS OF TAX MAP H, LOT 47-A.

6.) I HEREBY CERTIFY THAT, TO THE BEST OF MY KNOWLEDGE AND BELIEF, THIS PROPERTY DOES NOT FALL WITHIN THE FLOOD PLAIN FLOOD HAZARD REF: FEMA COMMUNITY #330145, MAP 33017C0320E, DATED: SEPTEMBER 30, 2015.

7.) VERTICAL DATUM BASED ON NAVD88 ELEVATIONS. HORIZONTAL DATUM BASED ON NAD83 STATE PLANE. COORDINATES GATHERED USING CARLSON BRX7 SURVEY GRADE GPS RECEIVERS.

8.) SEE EXISTING CONDITIONS PLAN FOR EXPLANATION OF CONTOURS. SEE SITE SPECIFIC SOIL SURVEY FOR SOILS EXPLANATION.

9.) HYDROCAD USES A SERIES OF NODE SUFFIXES FOR NUMBERING PURPOSES (S=SUBCATCHMENT, P=POND DEVICE, R=REACH), TO SIMPLIFY ANNOTATION THESE SUFFIXES ARE LEFT OFF THE WATERSHED PLANS AND NODE TYPE IS DENOTED BY THE SYMBOL SHAPE ACCORDING TO THE DISPLAYED LEGEND WHICH COINCIDES WITH HYDROCAD GRAPHICS.

10.) REFERENCES WORK FROM ALTERATION OF TERRAIN PERMIT #AoT-2127 (BS&E DB2021-120) FOR BANNER DRIVE AND SOPHIE DRIVE CONSTRUCTION. CONDITIONS SHOWN ARE AS OF THE DATE OF THE AS-BUILT SURVEY. SITE SPECIFIC SOIL CONDITIONS FOR BANNER DRIVE AND SOPHIE DRIVE REFLECT THOSE SHOWN FOR PERMIT #AoT-2127. SEE COLOR WATERSHED SHEETS FOR IMPERVIOUS COVER CLARIFICATION.

11.) EPA CGP 7.2.4 SITE MAP LEGEND

B5 VEHICLE EXIT
C RECEIVING WATERS
G2 STORMWATER BEST MANAGEMENT PRACTICE

SEE ALSO:

GRADING & DRAINAGE PLAN
EROSION & SEDIMENT CONTROL PLAN
DRAINAGE ANALYSIS & EROSION AND SEDIMENT CONTROL MANUAL
DRAINAGE OPERATION: INSPECTION & MAINTENANCE MANUAL

12.) DESIGN NOTE: THERE IS NO CATCH BASIN #1. CATCH BASIN NUMBER STARTS WITH #2.

SOILS LEGEND

Site Specific Soils

Symbol	Slopes	Taxonomic Soil Name	Hydrologic Soil Group
26	C,D,E	Windsor	A
327	A,B,C	Windsor Variant (Clay Subsoil)	C
400 (ED)	A,B,C,D,E	Udorthents (Sandy or Gravelly) (Excessively Drained)	A
400 (MWD)	A,B	Udorthents (Sandy or Gravelly Over Silt Loam) (Moderately Well Drained)	A
900	A	Encoaquents (Sandy or Gravelly)	C
Additional Site Specific Soils From Banner Drive			
Wd	C,D,E	Windsor	A

Slopes: A = 0-3% B = 3-8% C = 8-15% D = 15-25% E = 25- 50% F = 50%+
Denominators: /SPD = Somewhat Poorly Drained /P = Poorly Drained
/VP = Very Poorly Drained /Rk = Rocky

NRCS Soils

Wf	B	Windsor Loamy Fine Sand, Clay Subsoil Variant	A
Ha	B	Hinckley Loamy Fine Sand, Clay Subsoil Variant	A

SYMBOLS LEGEND:

- # SUBCATCHMENT AREA SYMBOL
- # FLOW REACH SYMBOL
- # POND DEVICE SYMBOL
- Tc. TIME OF CONCENTRATION SEGMENT

WETLAND NOTES:

WETLANDS WERE DELINEATED BY JOHN P. HAYES FEBRUARY 19, 2024

1. REGIONAL SUPPLEMENT TO THE CORPS OF ENGINEERS WETLAND DELINEATION MANUAL: NORTHCENTRAL AND NORTHEAST REGION, (VERSION 2.0) JANUARY 2012, U.S. ARMY CORPS OF ENGINEERS.
2. FIELD INDICATORS OF HYDRIC SOILS IN THE UNITED STATES, A GUIDE FOR IDENTIFYING AND DELINEATING HYDRIC SOILS, VERSION 8.0. UNITED STATES DEPARTMENT OF AGRICULTURE (2016).
3. NATIONAL WETLAND PLANT LIST (CURRENT VERSION).

NO WETLANDS WERE FOUND ON SITE.

JOHN P. HAYES, III CSS #87

JOHN P. HAYES, III CWS #18

CITY OF DOVER PLANNING FILE #

REVISION	DATE	DESCRIPTION
#1	10-17-24	REVISED UNIT COUNT AND ASSOCIATED MODIFICATIONS

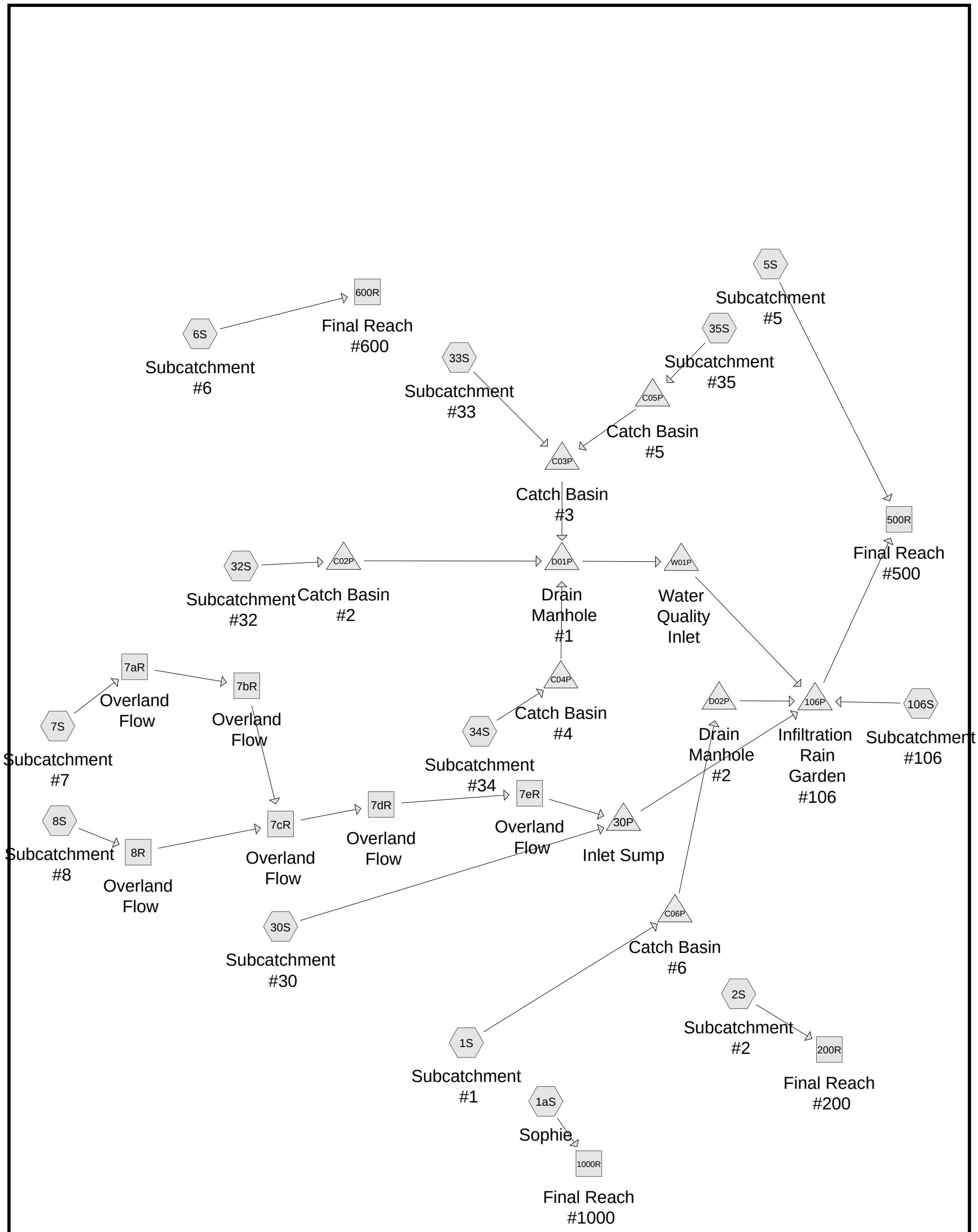
SWPPP EPA SITE MAP (PROPOSED)
W-2 PROPOSED WATERSHED PLAN
FOR
KNOX MARSH DEVELOPMENT LLC
LAND OF
5 SHERMAN STREET LLC
1 COLD SPRINGS ROAD
DOVER, N.H.
TAX MAP H, LOT 47-A

BERRY SURVEYING & ENGINEERING
335 SECOND CROWN POINT ROAD
BARRINGTON, NH 03825 (603)332-2863

SCALE : 1 IN. EQUALS 30 FT.
DATE : SEPTEMBER 1, 2024
FILE NO. : DB 2023 - 126

KENNETH A. BERRY No. 14243 LICENSED PROFESSIONAL ENGINEER - STATE OF NEW HAMPSHIRE

NOT FOR CONSTRUCTION



Routing Diagram for 23-126 Proposed Analysis

Prepared by Berry Surveying & Engineering, Printed 10/17/2024

HydroCAD® 10.00-25 s/n 07605 © 2019 HydroCAD Software Solutions LLC

Area Listing (all nodes)

Area (acres)	CN	Description (subcatchment-numbers)
2.344	39	>75% Grass cover, Good, HSG A (1aS, 1S, 2S, 5S, 6S, 30S, 32S, 33S, 34S, 106S)
0.057	74	>75% Grass cover, Good, HSG C (5S, 34S, 106S)
0.060	96	Gravel surface, HSG A (5S)
0.668	98	Paved parking, HSG A (1aS, 5S, 32S, 33S, 34S, 35S)
0.015	98	Paved parking, HSG C (32S, 34S)
0.325	98	Roofs, HSG A (1aS, 1S, 5S, 6S, 7S, 8S, 30S, 32S, 33S, 34S)
0.710	30	Woods, Good, HSG A (2S, 5S, 6S, 30S, 106S)
0.082	70	Woods, Good, HSG C (5S)
4.262	**53**	**TOTAL AREA**

Soil Listing (all nodes)

Area (acres)	Soil Group	Subcatchment Numbers
4.108	HSG A	1aS, 1S, 2S, 5S, 6S, 7S, 8S, 30S, 32S, 33S, 34S, 35S, 106S
0.000	HSG B	
0.154	HSG C	5S, 32S, 34S, 106S
0.000	HSG D	
0.000	Other	
4.262		**TOTAL AREA**

Ground Covers (all nodes)

HSG-A (acres)	HSG-B (acres)	HSG-C (acres)	HSG-D (acres)	Other (acres)	Total (acres)	Ground Cover	Subcatchment Numbers
2.344	0.000	0.057	0.000	0.000	2.401	>75% Grass cover, Good	1aS, 1S, 2S, 5S, 6S, 30S, 32S, 33S, 34S, 106S
0.060	0.000	0.000	0.000	0.000	0.060	Gravel surface	5S
0.668	0.000	0.015	0.000	0.000	0.683	Paved parking	1aS, 5S, 32S, 33S, 34S, 35S
0.325	0.000	0.000	0.000	0.000	0.325	Roofs	1aS, 1S, 5S, 6S, 7S, 8S, 30S, 32S, 33S, 34S
0.710	0.000	0.082	0.000	0.000	0.792	Woods, Good	2S, 5S, 6S, 30S, 106S
4.108	**0.000**	**0.154**	**0.000**	**0.000**	**4.262**	**TOTAL AREA**	

Pipe Listing (all nodes)

Line#	Node Number	In-Invert (feet)	Out-Invert (feet)	Length (feet)	Slope (ft/ft)	n	Diam/Width (inches)	Height (inches)	Inside-Fill (inches)
1	30P	121.50	117.50	68.7	0.0582	0.012	15.0	0.0	0.0
2	C02P	122.00	119.09	125.5	0.0232	0.012	12.0	0.0	0.0
3	C03P	119.36	119.09	8.0	0.0337	0.012	12.0	0.0	0.0
4	C04P	119.36	119.09	8.0	0.0337	0.012	12.0	0.0	0.0
5	C05P	119.66	119.46	30.5	0.0066	0.012	12.0	0.0	0.0
6	C06P	124.75	123.30	79.0	0.0184	0.012	12.0	0.0	0.0
7	D01P	118.59	118.50	18.0	0.0050	0.012	18.0	0.0	0.0
8	D02P	118.30	117.50	14.0	0.0571	0.012	15.0	0.0	0.0
9	W01P	118.25	117.50	22.0	0.0341	0.012	18.0	0.0	0.0

Time span=0.00-24.00 hrs, dt=0.05 hrs, 481 points
Runoff by SCS TR-20 method, UH=SCS, Weighted-CN
Reach routing by Dyn-Stor-Ind method - Pond routing by Dyn-Stor-Ind method

Subcatchment 1aS: Sophie Runoff Area=2,157 sf 91.56% Impervious Runoff Depth>6.08"
Tc=6.0 min CN=93 Runoff=0.32 cfs 0.025 af

Subcatchment 1S: Subcatchment #1 Runoff Area=15,796 sf 9.39% Impervious Runoff Depth>1.19"
Flow Length=420' Tc=10.6 min CN=45 Runoff=0.31 cfs 0.036 af

Subcatchment 2S: Subcatchment #2 Runoff Area=6,181 sf 0.00% Impervious Runoff Depth>0.60"
Flow Length=83' Tc=6.0 min CN=37 Runoff=0.04 cfs 0.007 af

Subcatchment 5S: Subcatchment #5 Runoff Area=42,221 sf 10.36% Impervious Runoff Depth>1.61"
Flow Length=306' Tc=16.6 min CN=50 Runoff=1.14 cfs 0.130 af

Subcatchment 6S: Subcatchment #6 Runoff Area=7,481 sf 5.59% Impervious Runoff Depth>0.53"
Flow Length=139' Tc=6.0 min CN=36 Runoff=0.04 cfs 0.008 af

Subcatchment 7S: Subcatchment #7 Runoff Area=660 sf 100.00% Impervious Runoff Depth>6.67"
Tc=6.0 min CN=98 Runoff=0.10 cfs 0.008 af

Subcatchment 8S: Subcatchment #8 Runoff Area=660 sf 100.00% Impervious Runoff Depth>6.67"
Tc=6.0 min CN=98 Runoff=0.10 cfs 0.008 af

Subcatchment 30S: Subcatchment #30 Runoff Area=50,764 sf 5.37% Impervious Runoff Depth>0.88"
Flow Length=363' Tc=9.1 min CN=41 Runoff=0.61 cfs 0.085 af

Subcatchment 32S: Subcatchment #32 Runoff Area=25,070 sf 44.22% Impervious Runoff Depth>3.03"
Flow Length=209' Tc=10.9 min CN=65 Runoff=1.70 cfs 0.145 af

Subcatchment 33S: Subcatchment #33 Runoff Area=11,349 sf 75.79% Impervious Runoff Depth>5.05"
Tc=6.0 min CN=84 Runoff=1.48 cfs 0.110 af

Subcatchment 34S: Subcatchment #34 Runoff Area=12,635 sf 74.56% Impervious Runoff Depth>4.94"
Tc=6.0 min CN=83 Runoff=1.61 cfs 0.119 af

Subcatchment 35S: Subcatchment #35 Runoff Area=2,538 sf 100.00% Impervious Runoff Depth>6.67"
Tc=6.0 min CN=98 Runoff=0.39 cfs 0.032 af

Subcatchment 106S: Subcatchment #106 Runoff Area=8,126 sf 0.00% Impervious Runoff Depth>0.73"
Tc=6.0 min CN=39 Runoff=0.07 cfs 0.011 af

Reach 7aR: Overland Flow Avg. Flow Depth=0.03' Max Vel=1.78 fps Inflow=0.10 cfs 0.008 af
n=0.030 L=62.3' S=0.3011 '/' Capacity=65.21 cfs Outflow=0.10 cfs 0.008 af

Reach 7bR: Overland Flow Avg. Flow Depth=0.08' Max Vel=0.41 fps Inflow=0.10 cfs 0.008 af
n=0.030 L=92.5' S=0.0027 '/' Capacity=18.04 cfs Outflow=0.09 cfs 0.008 af

Reach 7cR: Overland Flow Avg. Flow Depth=0.07' Max Vel=1.01 fps Inflow=0.19 cfs 0.017 af
n=0.030 L=90.3' S=0.0194 '/' Capacity=48.30 cfs Outflow=0.18 cfs 0.017 af

Reach 7dR: Overland Flow Avg. Flow Depth=0.05' Max Vel=1.44 fps Inflow=0.18 cfs 0.017 af
n=0.030 L=72.7' S=0.0550 '/' Capacity=81.39 cfs Outflow=0.18 cfs 0.017 af

Reach 7eR: Overland Flow Avg. Flow Depth=0.07' Max Vel=1.07 fps Inflow=0.18 cfs 0.017 af
n=0.030 L=44.4' S=0.0225 '/' Capacity=52.07 cfs Outflow=0.18 cfs 0.017 af

Reach 8R: Overland Flow Avg. Flow Depth=0.02' Max Vel=1.93 fps Inflow=0.10 cfs 0.008 af
n=0.030 L=44.2' S=0.3758 '/' Capacity=72.85 cfs Outflow=0.10 cfs 0.008 af

Reach 200R: Final Reach #200 Inflow=0.04 cfs 0.007 af
Outflow=0.04 cfs 0.007 af

Reach 500R: Final Reach #500 Inflow=1.14 cfs 0.130 af
Outflow=1.14 cfs 0.130 af

Reach 600R: Final Reach #600 Inflow=0.04 cfs 0.008 af
Outflow=0.04 cfs 0.008 af

Reach 1000R: Final Reach #1000 Inflow=0.32 cfs 0.025 af
Outflow=0.32 cfs 0.025 af

Pond 30P: Inlet Sump Peak Elev=121.91' Storage=15 cf Inflow=0.78 cfs 0.102 af
15.0" Round Culvert n=0.012 L=68.7' S=0.0582 '/' Outflow=0.78 cfs 0.102 af

Pond 106P: Infiltration Rain Garden #106 Peak Elev=119.77' Storage=12,426 cf Inflow=5.80 cfs 0.553 af
Discarded=0.28 cfs 0.338 af Primary=0.00 cfs 0.000 af Outflow=0.28 cfs 0.338 af

Pond C02P: Catch Basin #2 Peak Elev=122.71' Storage=9 cf Inflow=1.70 cfs 0.145 af
12.0" Round Culvert n=0.012 L=125.5' S=0.0232 '/' Outflow=1.70 cfs 0.145 af

Pond C03P: Catch Basin #3 Peak Elev=120.17' Storage=10 cf Inflow=1.86 cfs 0.142 af
12.0" Round Culvert n=0.012 L=8.0' S=0.0337 '/' Outflow=1.85 cfs 0.142 af

Pond C04P: Catch Basin #4 Peak Elev=120.13' Storage=10 cf Inflow=1.61 cfs 0.119 af
12.0" Round Culvert n=0.012 L=8.0' S=0.0337 '/' Outflow=1.61 cfs 0.119 af

Pond C05P: Catch Basin #5 Peak Elev=120.20' Storage=7 cf Inflow=0.39 cfs 0.032 af
12.0" Round Culvert n=0.012 L=30.5' S=0.0066 '/' Outflow=0.38 cfs 0.032 af

Pond C06P: Catch Basin #6 Peak Elev=125.03' Storage=1 cf Inflow=0.31 cfs 0.036 af
12.0" Round Culvert n=0.012 L=79.0' S=0.0184 '/' Outflow=0.31 cfs 0.036 af

Pond D01P: Drain Manhole #1 Peak Elev=119.91' Storage=17 cf Inflow=4.92 cfs 0.407 af
18.0" Round Culvert n=0.012 L=18.0' S=0.0050 '/' Outflow=4.92 cfs 0.406 af

Pond D02P: Drain Manhole #2 Peak Elev=119.77' Storage=18 cf Inflow=0.31 cfs 0.036 af
15.0" Round Culvert n=0.012 L=14.0' S=0.0571 '/' Outflow=0.31 cfs 0.036 af

Pond W01P: Water Quality Inlet Peak Elev=119.77' Storage=258 cf Inflow=4.92 cfs 0.406 af
18.0" Round Culvert n=0.012 L=22.0' S=0.0341 '/' Outflow=4.91 cfs 0.404 af

Total Runoff Area = 4.262 ac Runoff Volume = 0.726 af Average Runoff Depth = 2.04"
76.33% Pervious = 3.253 ac 23.67% Impervious = 1.009 ac

Summary for Subcatchment 1aS: Sophie

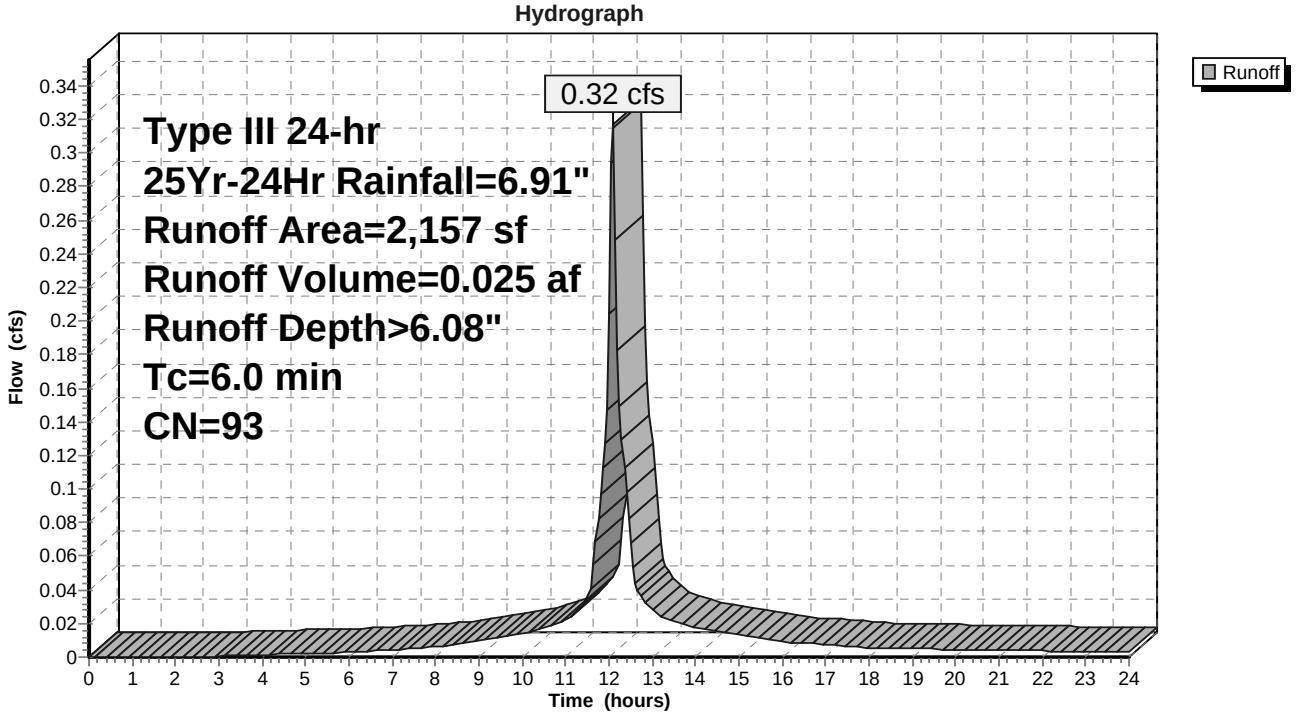
Runoff = 0.32 cfs @ 12.09 hrs, Volume= 0.025 af, Depth> 6.08"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 25Yr-24Hr Rainfall=6.91"

Area (sf)	CN	Description
225	98	Roofs, HSG A
182	39	>75% Grass cover, Good, HSG A
1,750	98	Paved parking, HSG A
2,157	93	Weighted Average
182		8.44% Pervious Area
1,975		91.56% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry, Direct Entry**

Subcatchment 1aS: Sophie



Summary for Subcatchment 1S: Subcatchment #1

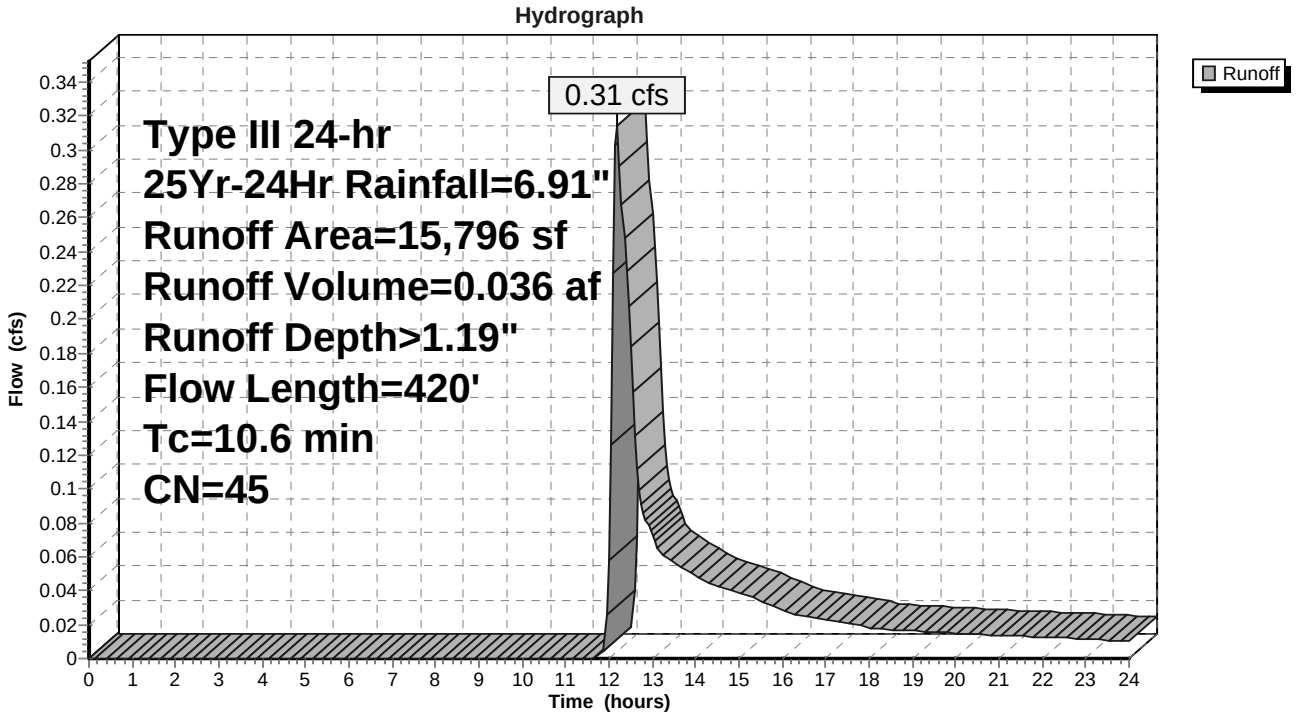
Runoff = 0.31 cfs @ 12.19 hrs, Volume= 0.036 af, Depth> 1.19"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 25Yr-24Hr Rainfall=6.91"

Area (sf)	CN	Description
1,484	98	Roofs, HSG A
14,312	39	>75% Grass cover, Good, HSG A
15,796	45	Weighted Average
14,312		90.61% Pervious Area
1,484		9.39% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
7.6	100	0.0325	0.22		**Sheet Flow, Segment #1** Grass: Short n= 0.150 P2= 3.62"
0.2	16	0.0621	1.74		**Shallow Concentrated Flow, Segment #2** Short Grass Pasture Kv= 7.0 fps
0.1	27	0.2991	3.83		**Shallow Concentrated Flow, Segment #3** Short Grass Pasture Kv= 7.0 fps
0.6	62	0.0647	1.78		**Shallow Concentrated Flow, Segment #4** Short Grass Pasture Kv= 7.0 fps
1.3	94	0.0318	1.25		**Shallow Concentrated Flow, Segment #5** Short Grass Pasture Kv= 7.0 fps
0.4	37	0.0402	1.40		**Shallow Concentrated Flow, Segment #6** Short Grass Pasture Kv= 7.0 fps
0.4	84	0.0150	3.67	23.86	**Trap/Vee/Rect Channel Flow, Segment #7** Bot.W=4.50' D=1.00' Z= 2.0 '/' Top.W=8.50' n= 0.040 Earth, cobble bottom, clean sides
10.6	420	Total			

Subcatchment 1S: Subcatchment #1



Summary for Subcatchment 2S: Subcatchment #2

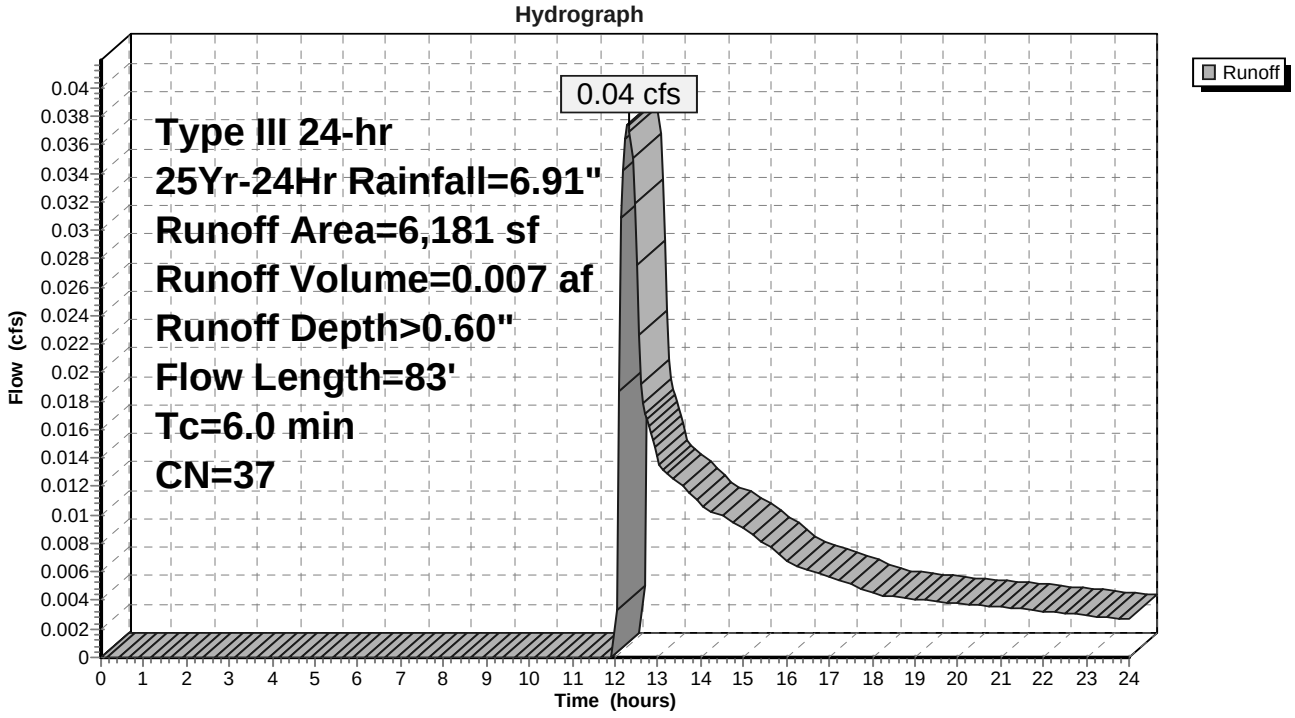
Runoff = 0.04 cfs @ 12.31 hrs, Volume= 0.007 af, Depth> 0.60"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 25Yr-24Hr Rainfall=6.91"

Area (sf)	CN	Description
4,871	39	>75% Grass cover, Good, HSG A
1,310	30	Woods, Good, HSG A
6,181	37	Weighted Average
6,181		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
1.9	17	0.0297	0.15		**Sheet Flow, Segment #1** Grass: Short n= 0.150 P2= 3.62"
0.9	21	0.2849	0.38		**Sheet Flow, Segment #2** Grass: Short n= 0.150 P2= 3.62"
0.5	45	0.0886	1.49		**Shallow Concentrated Flow, Segment #3** Woodland Kv= 5.0 fps
3.3	83	Total, Increased to minimum Tc = 6.0 min			

Subcatchment 2S: Subcatchment #2



Summary for Subcatchment 5S: Subcatchment #5

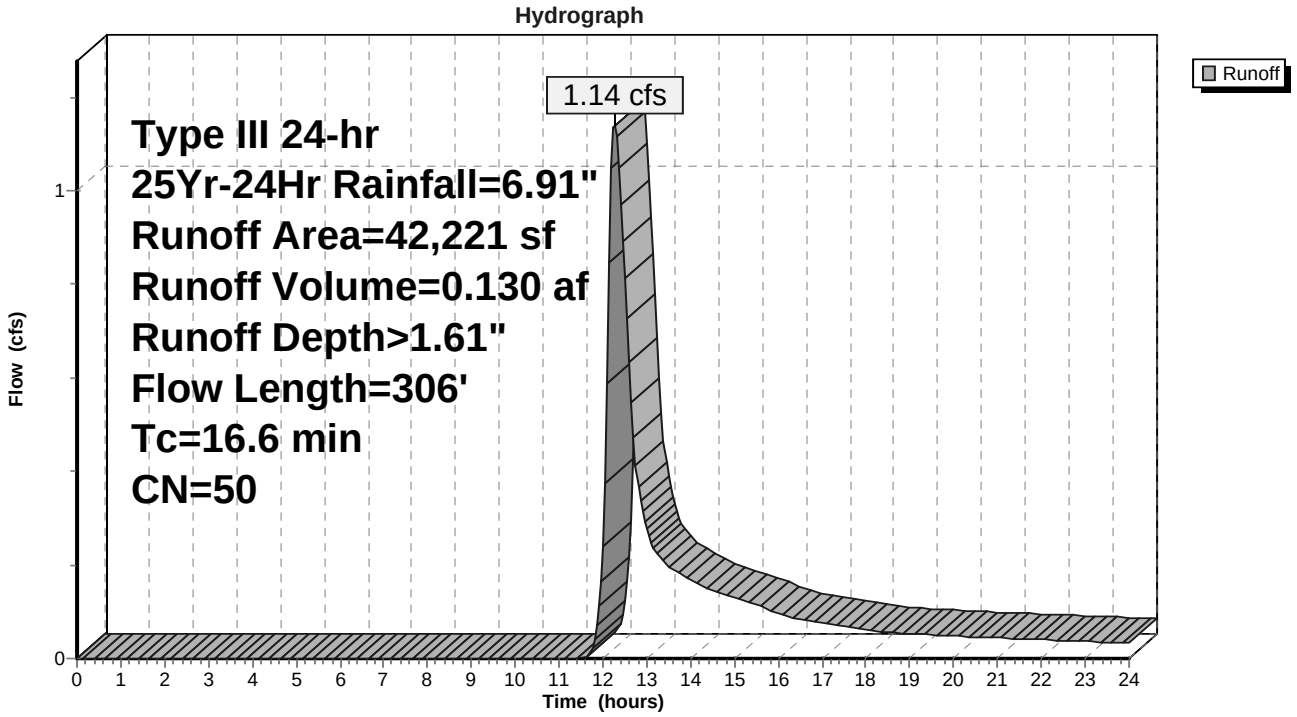
Runoff = 1.14 cfs @ 12.27 hrs, Volume= 0.130 af, Depth> 1.61"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 25Yr-24Hr Rainfall=6.91"

Area (sf)	CN	Description
2,046	98	Roofs, HSG A
12,882	39	>75% Grass cover, Good, HSG A
2,329	98	Paved parking, HSG A
16,632	30	Woods, Good, HSG A
2,629	96	Gravel surface, HSG A
2,136	74	>75% Grass cover, Good, HSG C
3,567	70	Woods, Good, HSG C
42,221	50	Weighted Average
37,846		89.64% Pervious Area
4,375		10.36% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
12.2	100	0.0700	0.14		**Sheet Flow, Segment #1** Woods: Light underbrush n= 0.400 P2= 3.62"
0.2	22	0.0449	1.48		**Shallow Concentrated Flow, Segment #4** Short Grass Pasture Kv= 7.0 fps
4.2	184	0.0218	0.74		**Shallow Concentrated Flow, Segment #5** Woodland Kv= 5.0 fps
16.6	306	Total			

Subcatchment 5S: Subcatchment #5



Summary for Subcatchment 6S: Subcatchment #6

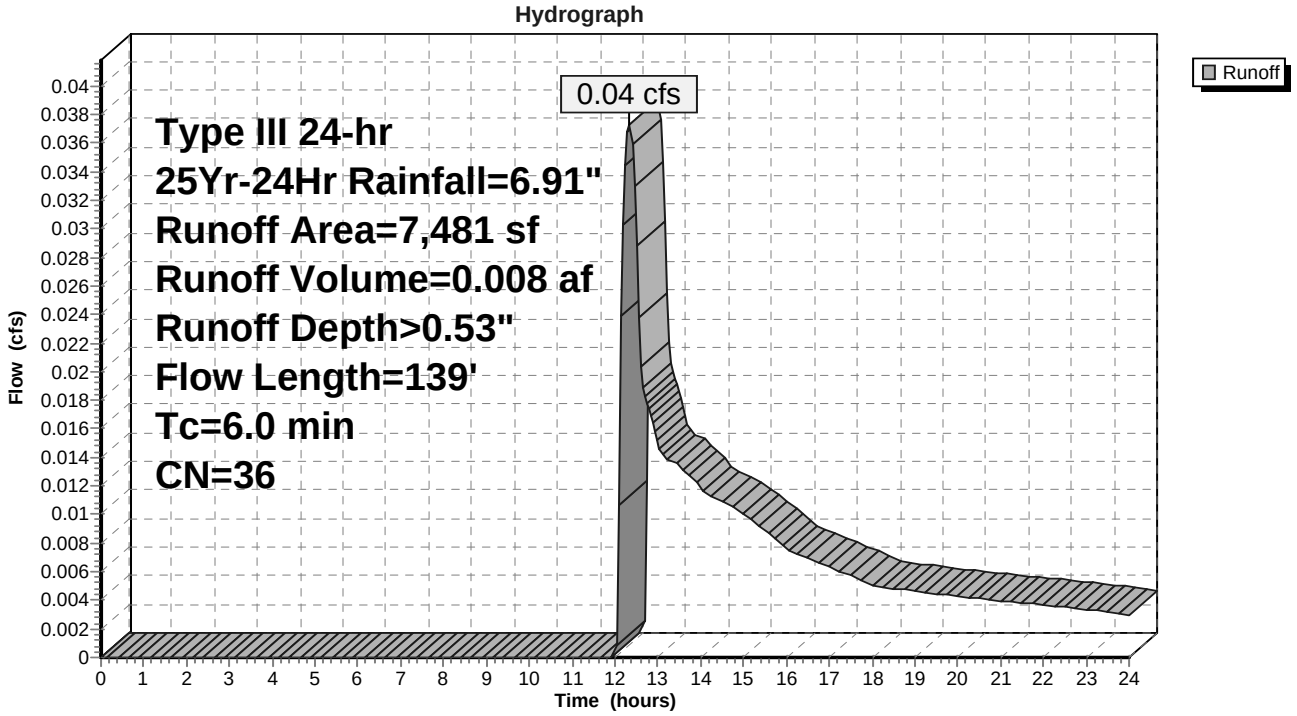
Runoff = 0.04 cfs @ 12.34 hrs, Volume= 0.008 af, Depth> 0.53"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 25Yr-24Hr Rainfall=6.91"

Area (sf)	CN	Description
418	98	Roofs, HSG A
1,771	39	>75% Grass cover, Good, HSG A
5,292	30	Woods, Good, HSG A
7,481	36	Weighted Average
7,063		94.41% Pervious Area
418		5.59% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
3.4	69	0.1157	0.34		**Sheet Flow, Segment #1** Grass: Short n= 0.150 P2= 3.62"
1.7	31	0.1297	0.30		**Sheet Flow, Segment #2** Grass: Short n= 0.150 P2= 3.62"
0.5	39	0.0777	1.39		**Shallow Concentrated Flow, Segment #3** Woodland Kv= 5.0 fps
5.6	139	Total, Increased to minimum Tc = 6.0 min			

Subcatchment 6S: Subcatchment #6



Summary for Subcatchment 7S: Subcatchment #7

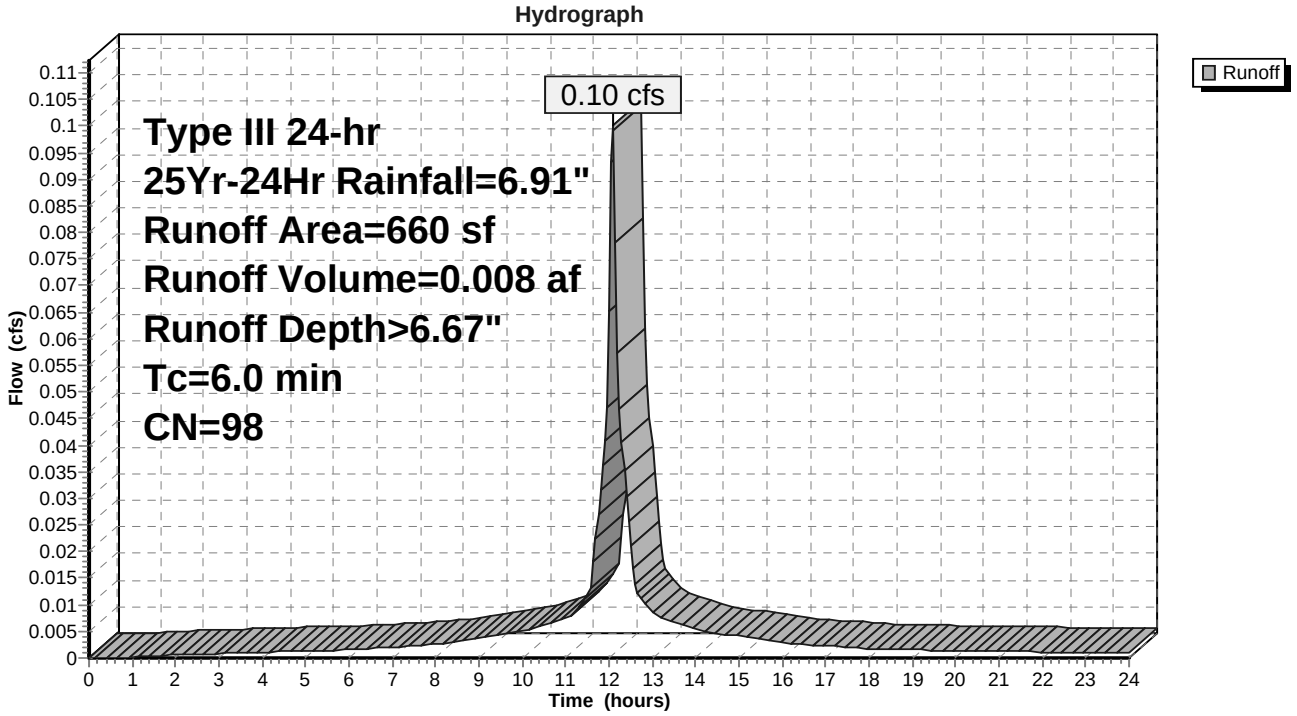
Runoff = 0.10 cfs @ 12.09 hrs, Volume= 0.008 af, Depth> 6.67"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 25Yr-24Hr Rainfall=6.91"

Area (sf)	CN	Description
660	98	Roofs, HSG A
660		100.00% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry, Direct Entry**

Subcatchment 7S: Subcatchment #7



Summary for Subcatchment 8S: Subcatchment #8

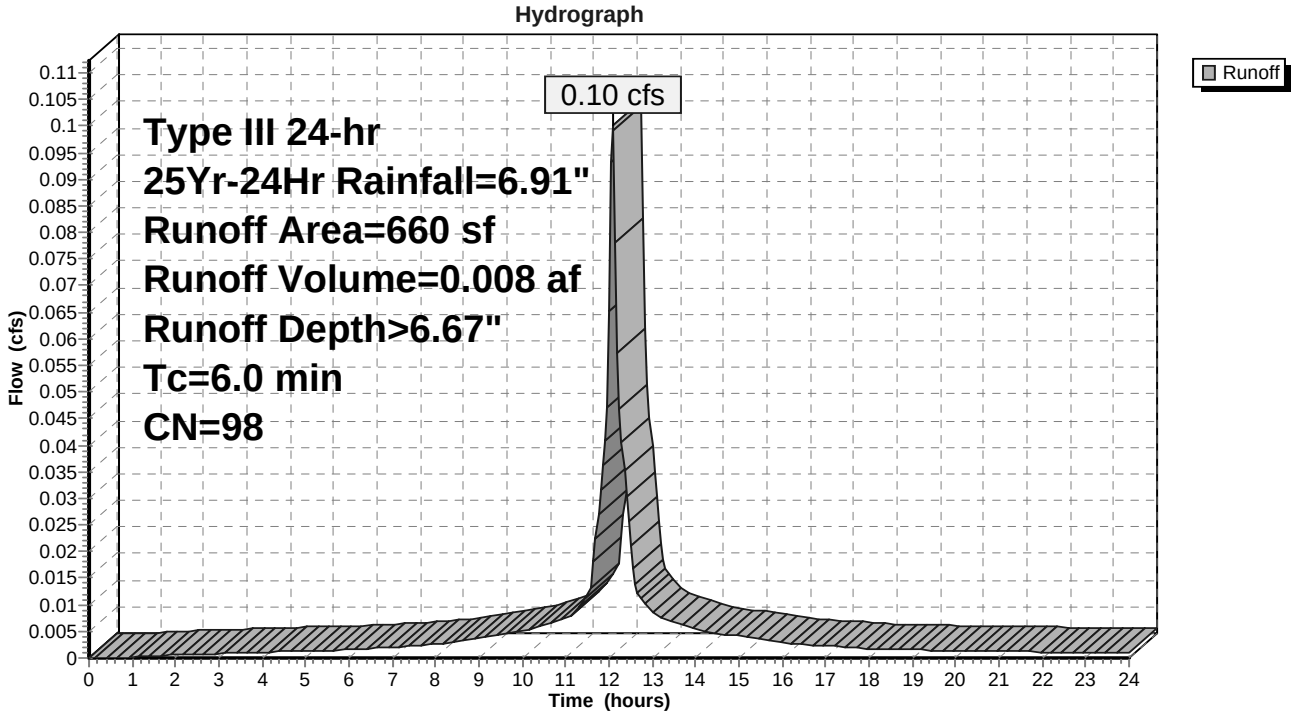
Runoff = 0.10 cfs @ 12.09 hrs, Volume= 0.008 af, Depth> 6.67"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 25Yr-24Hr Rainfall=6.91"

Area (sf)	CN	Description
660	98	Roofs, HSG A
660		100.00% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry, Direct Entry**

Subcatchment 8S: Subcatchment #8



Summary for Subcatchment 30S: Subcatchment #30

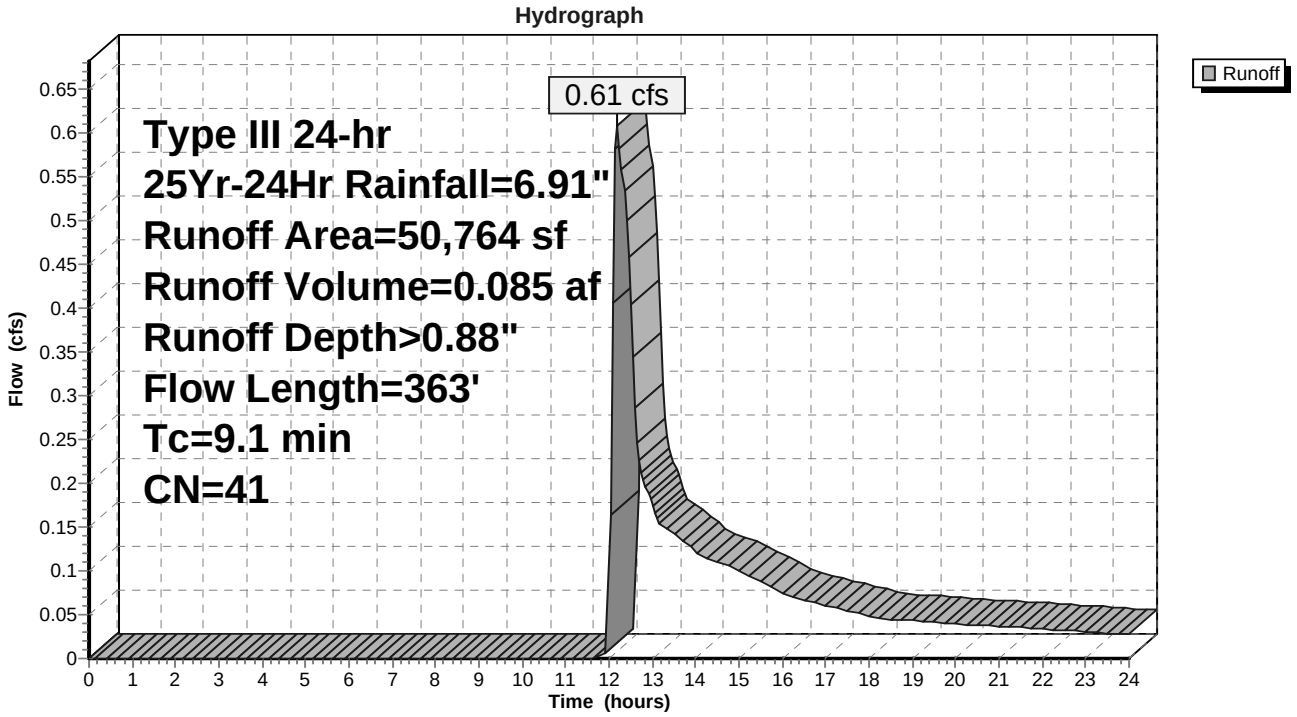
Runoff = 0.61 cfs @ 12.20 hrs, Volume= 0.085 af, Depth> 0.88"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 25Yr-24Hr Rainfall=6.91"

Area (sf)	CN	Description
2,727	98	Roofs, HSG A
40,969	39	>75% Grass cover, Good, HSG A
7,068	30	Woods, Good, HSG A
50,764	41	Weighted Average
48,037		94.63% Pervious Area
2,727		5.37% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
3.9	42	0.0295	0.18		**Sheet Flow, Segment #1** Grass: Short n= 0.150 P2= 3.62"
0.1	41	0.4676	4.79		**Shallow Concentrated Flow, Segment #2** Short Grass Pasture Kv= 7.0 fps
3.3	123	0.0081	0.63		**Shallow Concentrated Flow, Segment #3** Short Grass Pasture Kv= 7.0 fps
0.4	40	0.0502	1.57		**Shallow Concentrated Flow, Segment #4** Short Grass Pasture Kv= 7.0 fps
0.7	73	0.0550	1.64		**Shallow Concentrated Flow, Segment #5** Short Grass Pasture Kv= 7.0 fps
0.7	44	0.0225	1.05		**Shallow Concentrated Flow, Segment #6** Short Grass Pasture Kv= 7.0 fps
9.1	363	Total			

Subcatchment 30S: Subcatchment #30



Summary for Subcatchment 32S: Subcatchment #32

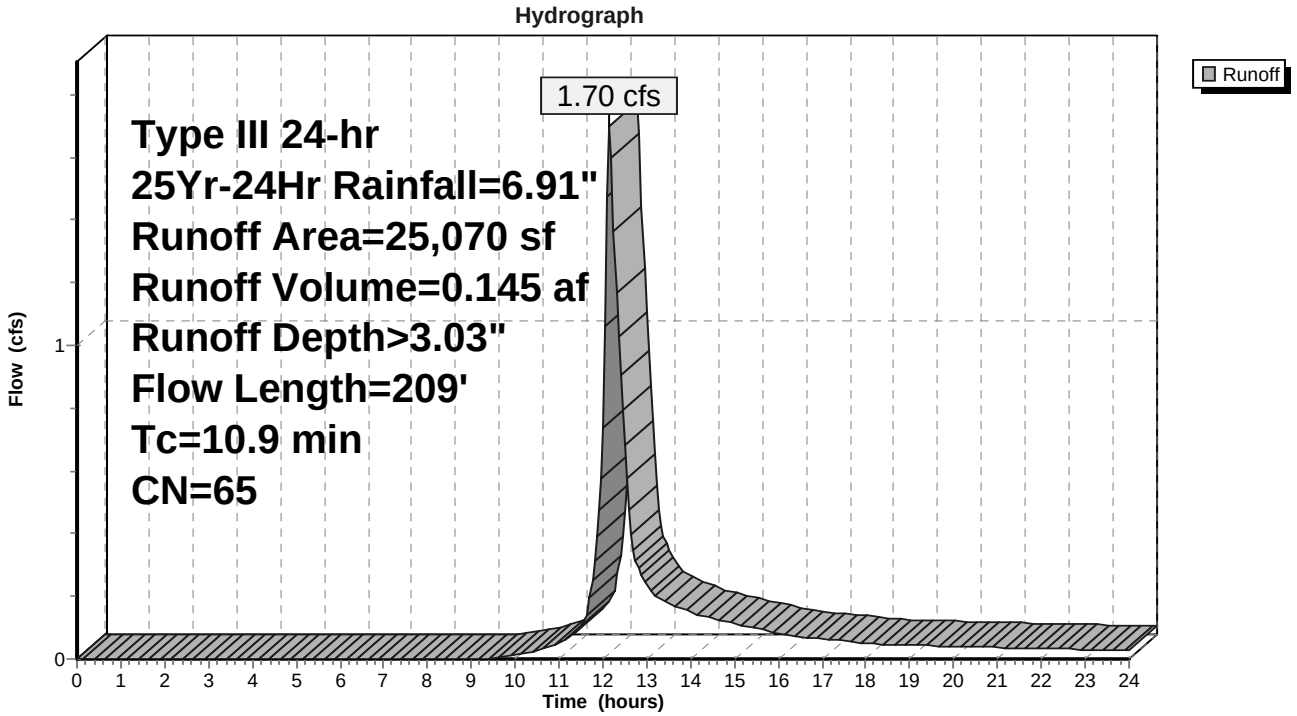
Runoff = 1.70 cfs @ 12.16 hrs, Volume= 0.145 af, Depth> 3.03"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 25Yr-24Hr Rainfall=6.91"

Area (sf)	CN	Description
2,449	98	Roofs, HSG A
13,983	39	>75% Grass cover, Good, HSG A
8,557	98	Paved parking, HSG A
81	98	Paved parking, HSG C
25,070	65	Weighted Average
13,983		55.78% Pervious Area
11,087		44.22% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
9.2	100	0.0200	0.18		**Sheet Flow, Segment #1** Grass: Short n= 0.150 P2= 3.62"
1.5	75	0.0147	0.85		**Shallow Concentrated Flow, Segment #2** Short Grass Pasture Kv= 7.0 fps
0.2	34	0.0200	2.87		**Shallow Concentrated Flow, Segment #3** Paved Kv= 20.3 fps
10.9	209	Total			

Subcatchment 32S: Subcatchment #32



Summary for Subcatchment 33S: Subcatchment #33

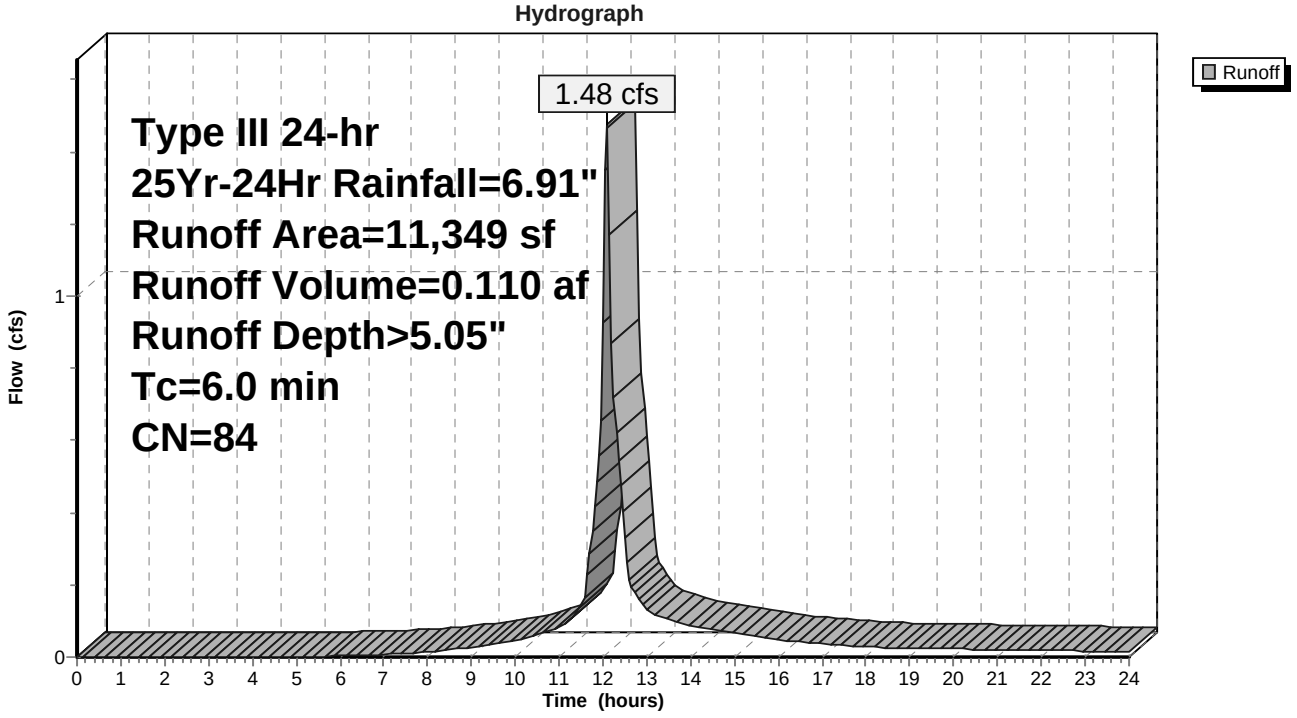
Runoff = 1.48 cfs @ 12.09 hrs, Volume= 0.110 af, Depth> 5.05"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 25Yr-24Hr Rainfall=6.91"

Area (sf)	CN	Description
2,282	98	Roofs, HSG A
2,748	39	>75% Grass cover, Good, HSG A
6,319	98	Paved parking, HSG A
11,349	84	Weighted Average
2,748		24.21% Pervious Area
8,601		75.79% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry, Direct Entry**

Subcatchment 33S: Subcatchment #33



Summary for Subcatchment 34S: Subcatchment #34

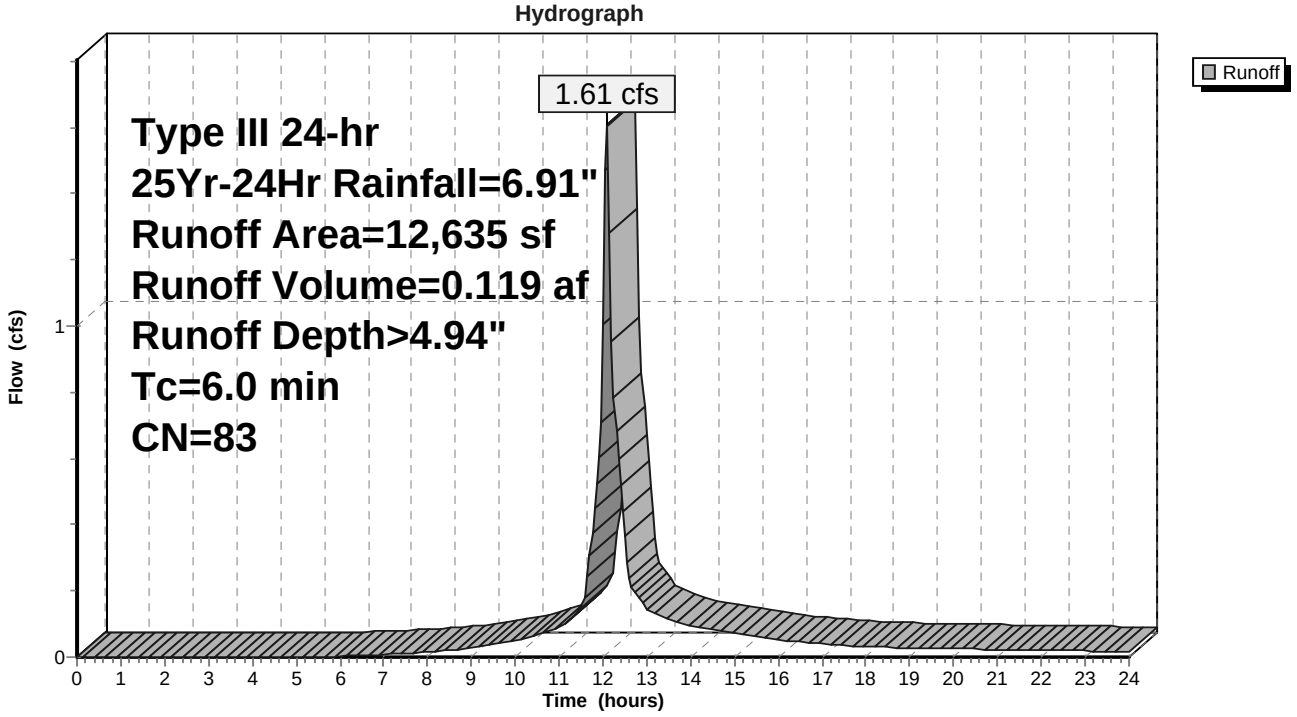
Runoff = 1.61 cfs @ 12.09 hrs, Volume= 0.119 af, Depth> 4.94"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 25Yr-24Hr Rainfall=6.91"

Area (sf)	CN	Description
1,223	98	Roofs, HSG A
3,142	39	>75% Grass cover, Good, HSG A
7,625	98	Paved parking, HSG A
72	74	>75% Grass cover, Good, HSG C
573	98	Paved parking, HSG C
12,635	83	Weighted Average
3,214		25.44% Pervious Area
9,421		74.56% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry, Direct Entry**

Subcatchment 34S: Subcatchment #34



Summary for Subcatchment 35S: Subcatchment #35

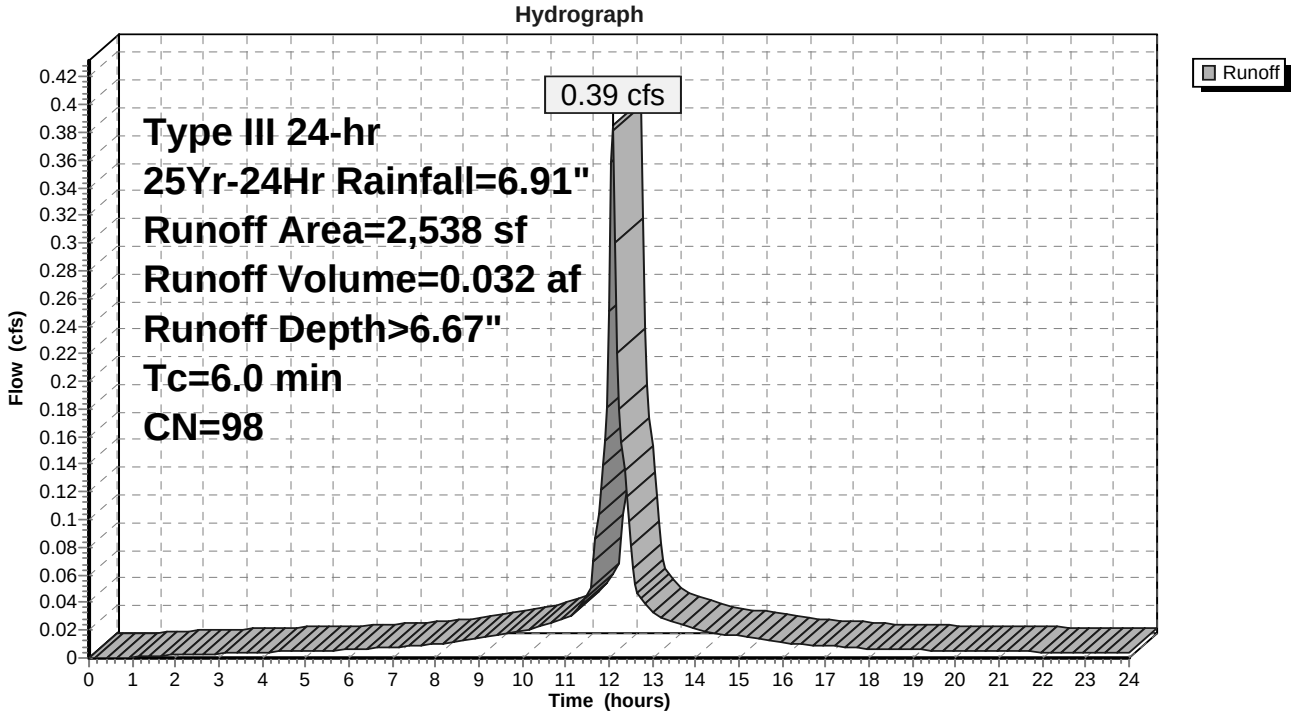
Runoff = 0.39 cfs @ 12.09 hrs, Volume= 0.032 af, Depth> 6.67"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 25Yr-24Hr Rainfall=6.91"

Area (sf)	CN	Description
2,538	98	Paved parking, HSG A
2,538		100.00% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry, Direct Entry**

Subcatchment 35S: Subcatchment #35



Summary for Subcatchment 106S: Subcatchment #106

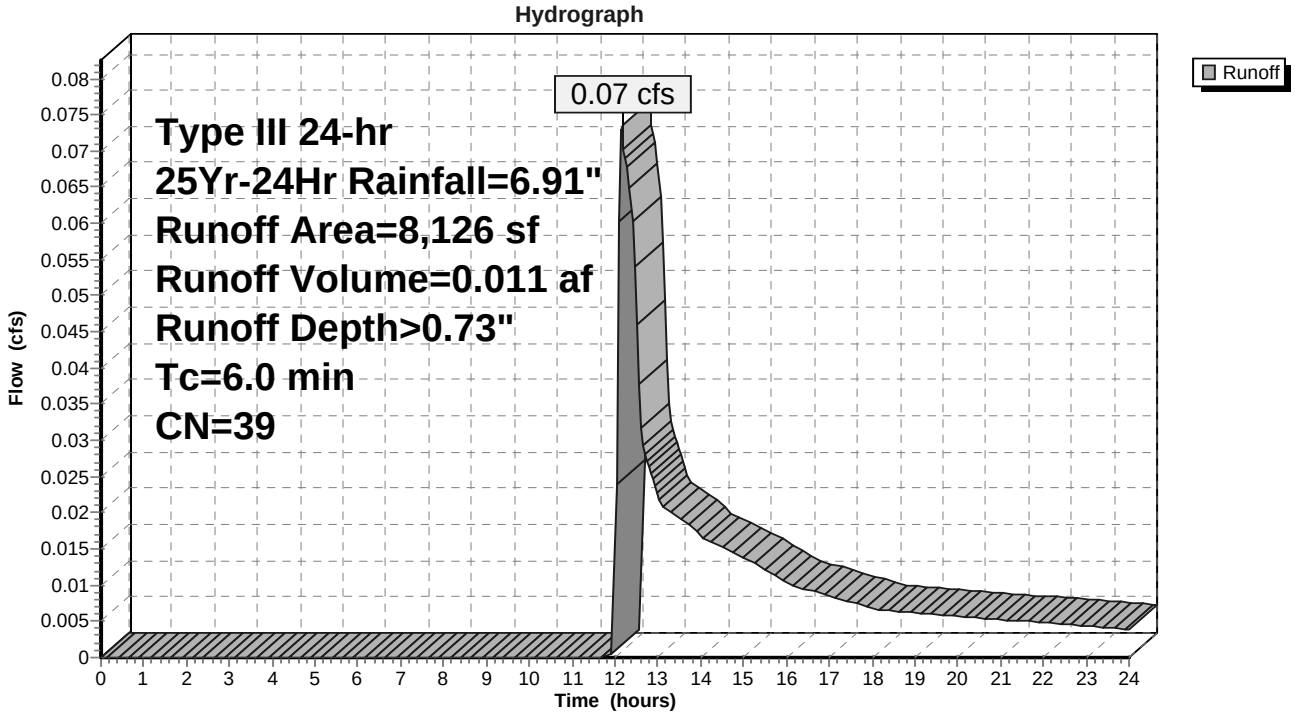
Runoff = 0.07 cfs @ 12.17 hrs, Volume= 0.011 af, Depth> 0.73"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 25Yr-24Hr Rainfall=6.91"

Area (sf)	CN	Description
7,243	39	>75% Grass cover, Good, HSG A
623	30	Woods, Good, HSG A
260	74	>75% Grass cover, Good, HSG C
8,126	39	Weighted Average
8,126		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry, Direct Entry**

Subcatchment 106S: Subcatchment #106



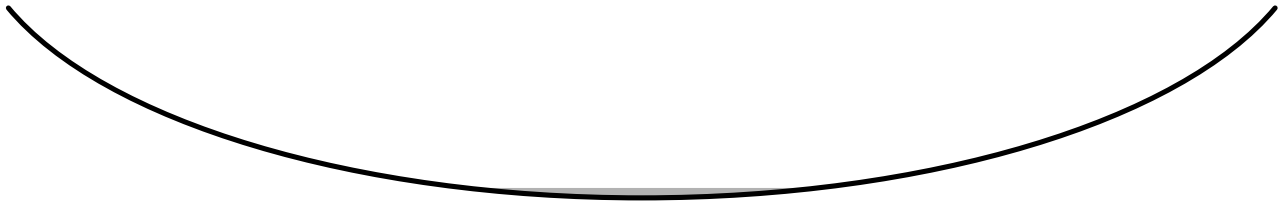
Summary for Reach 7aR: Overland Flow

Inflow Area = 0.015 ac,100.00% Impervious, Inflow Depth > 6.67" for 25Yr-24Hr event
Inflow = 0.10 cfs @ 12.09 hrs, Volume= 0.008 af
Outflow = 0.10 cfs @ 12.09 hrs, Volume= 0.008 af, Atten= 0%, Lag= 0.5 min

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Max. Velocity= 1.78 fps, Min. Travel Time= 0.6 min
Avg. Velocity = 0.68 fps, Avg. Travel Time= 1.5 min

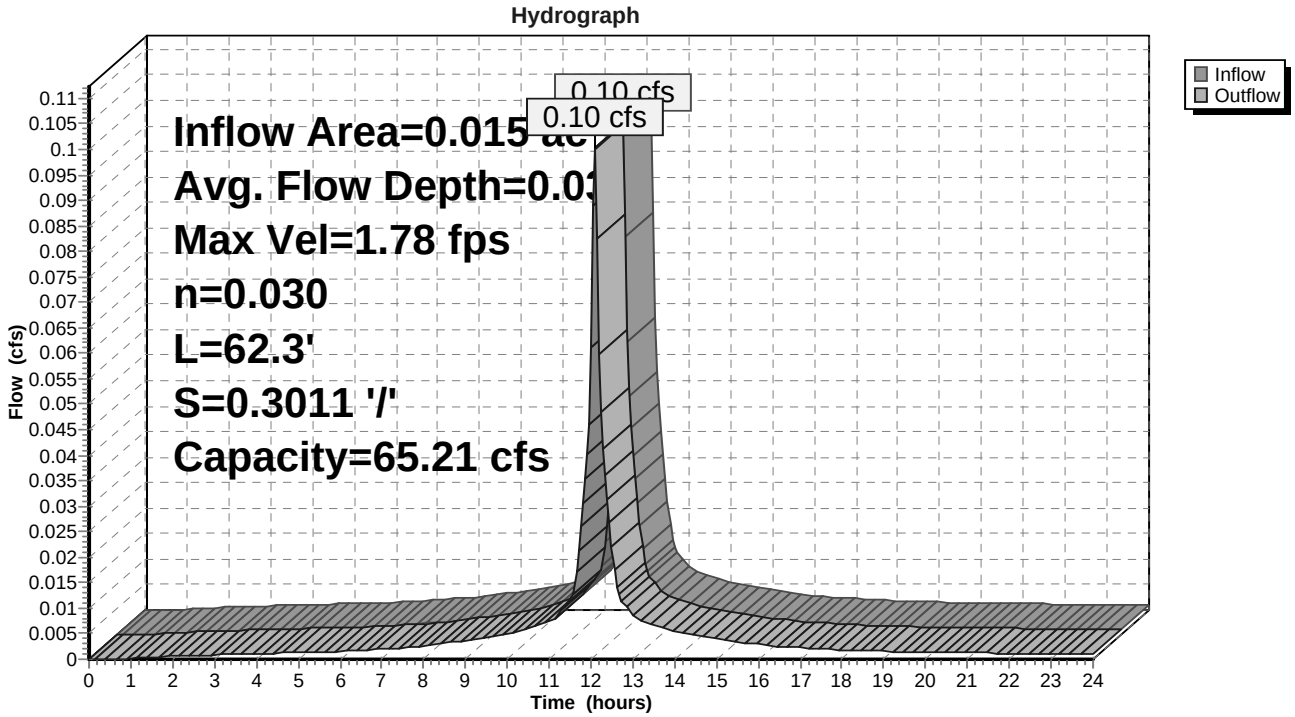
Peak Storage= 4 cf @ 12.09 hrs
Average Depth at Peak Storage= 0.03'
Bank-Full Depth= 0.50' Flow Area= 5.0 sf, Capacity= 65.21 cfs

15.00' x 0.50' deep Parabolic Channel, n= 0.030 Earth, grassed & winding
Length= 62.3' Slope= 0.3011 '/'
Inlet Invert= 148.76', Outlet Invert= 130.00'



‡

Reach 7aR: Overland Flow



Summary for Reach 7bR: Overland Flow

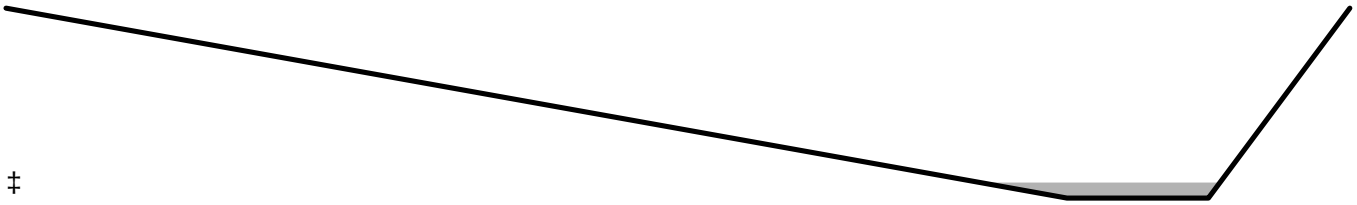
[62] Hint: Exceeded Reach 7aR OUTLET depth by 0.06' @ 12.15 hrs

Inflow Area = 0.015 ac,100.00% Impervious, Inflow Depth > 6.67" for 25Yr-24Hr event
Inflow = 0.10 cfs @ 12.09 hrs, Volume= 0.008 af
Outflow = 0.09 cfs @ 12.14 hrs, Volume= 0.008 af, Atten= 10%, Lag= 2.5 min

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Max. Velocity= 0.41 fps, Min. Travel Time= 3.7 min
Avg. Velocity = 0.14 fps, Avg. Travel Time= 11.2 min

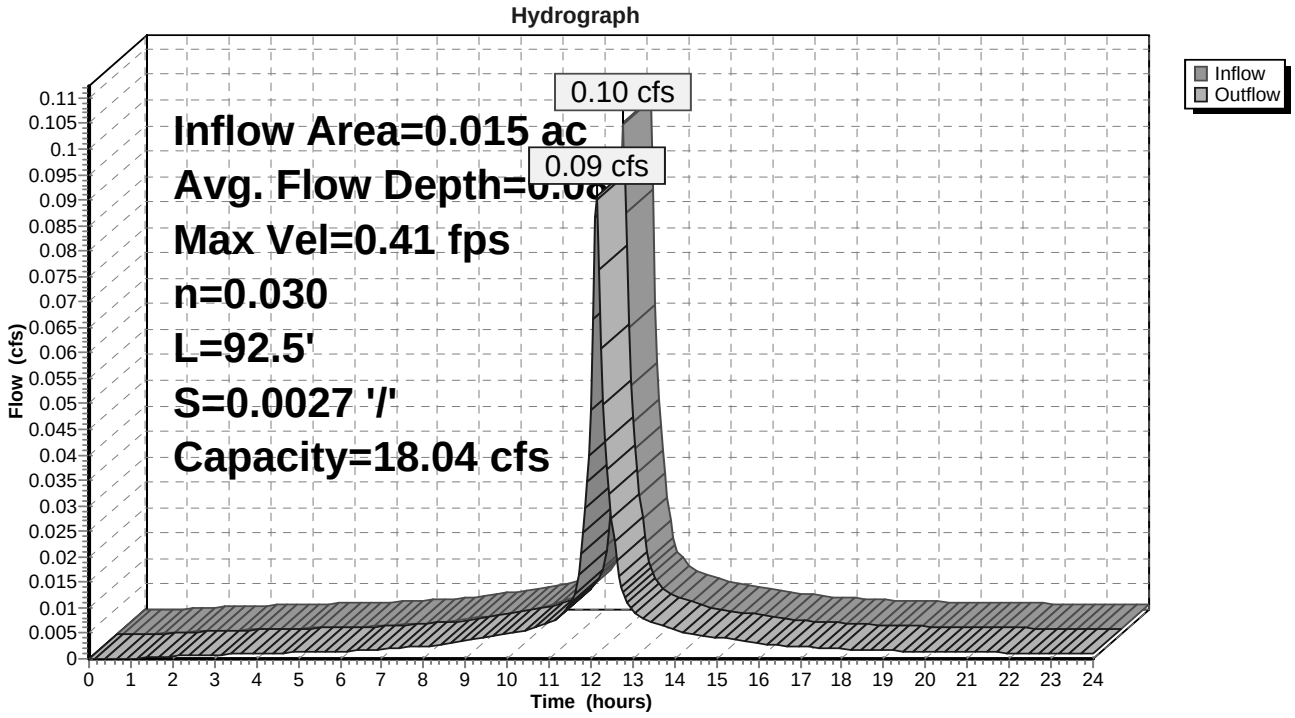
Peak Storage= 20 cf @ 12.13 hrs
Average Depth at Peak Storage= 0.08'
Bank-Full Depth= 1.00' Flow Area= 10.5 sf, Capacity= 18.04 cfs

2.00' x 1.00' deep channel, n= 0.030 Earth, grassed & winding
Side Slope Z-value= 15.0 2.0 '/' Top Width= 19.00'
Length= 92.5' Slope= 0.0027 '/'
Inlet Invert= 130.00', Outlet Invert= 129.75'



‡

Reach 7bR: Overland Flow



Summary for Reach 7cR: Overland Flow

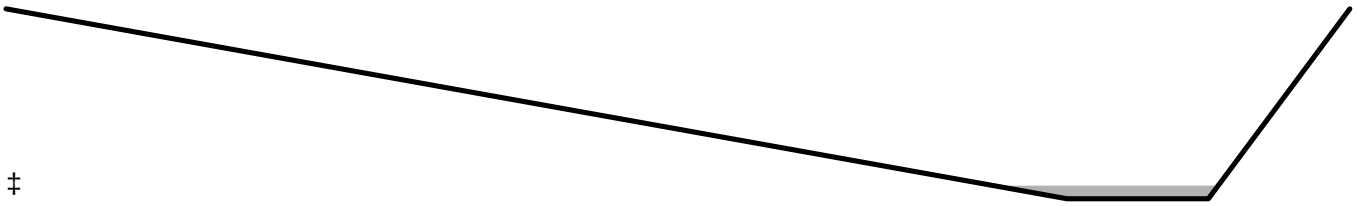
[61] Hint: Exceeded Reach 7bR outlet invert by 0.07' @ 12.15 hrs
[62] Hint: Exceeded Reach 8R OUTLET depth by 0.05' @ 12.15 hrs

Inflow Area = 0.030 ac,100.00% Impervious, Inflow Depth > 6.66" for 25Yr-24Hr event
Inflow = 0.19 cfs @ 12.11 hrs, Volume= 0.017 af
Outflow = 0.18 cfs @ 12.13 hrs, Volume= 0.017 af, Atten= 3%, Lag= 1.2 min

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Max. Velocity= 1.01 fps, Min. Travel Time= 1.5 min
Avg. Velocity = 0.35 fps, Avg. Travel Time= 4.3 min

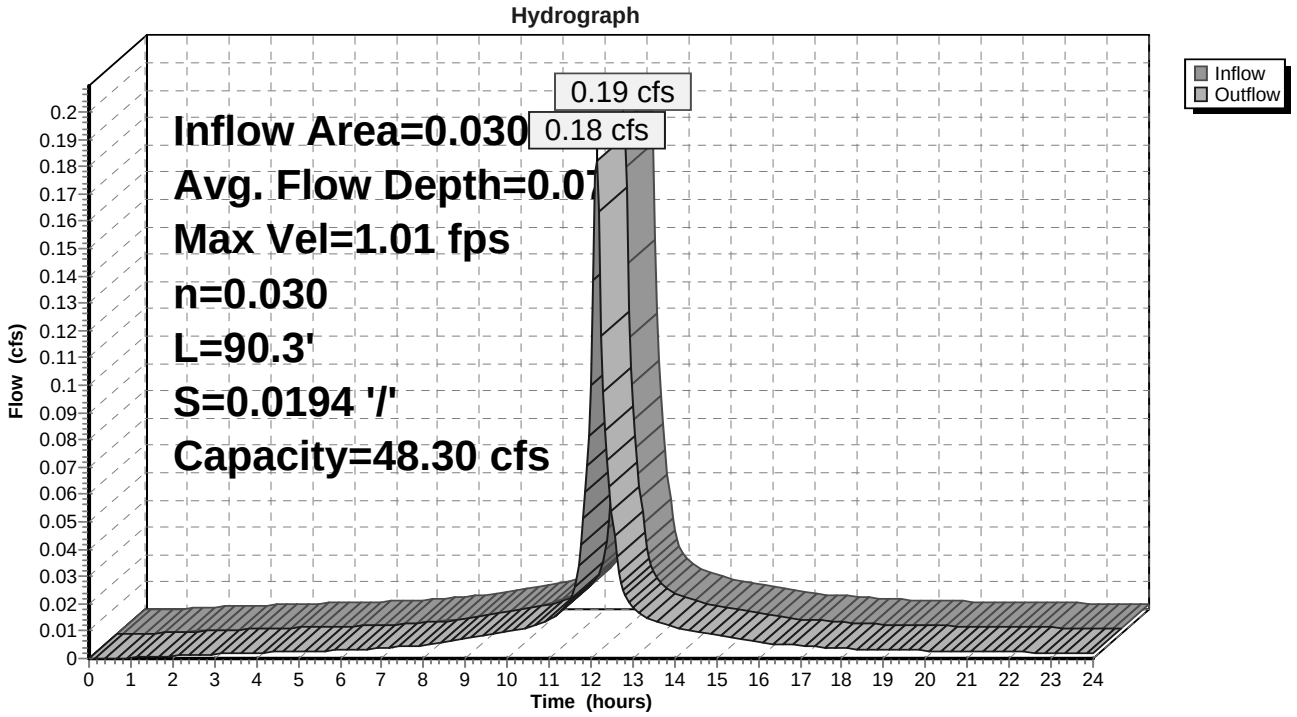
Peak Storage= 16 cf @ 12.13 hrs
Average Depth at Peak Storage= 0.07'
Bank-Full Depth= 1.00' Flow Area= 10.5 sf, Capacity= 48.30 cfs

2.00' x 1.00' deep channel, n= 0.030 Earth, grassed & winding
Side Slope Z-value= 15.0 2.0 '/' Top Width= 19.00'
Length= 90.3' Slope= 0.0194 '/'
Inlet Invert= 129.75', Outlet Invert= 128.00'



‡

Reach 7cR: Overland Flow



Summary for Reach 7dR: Overland Flow

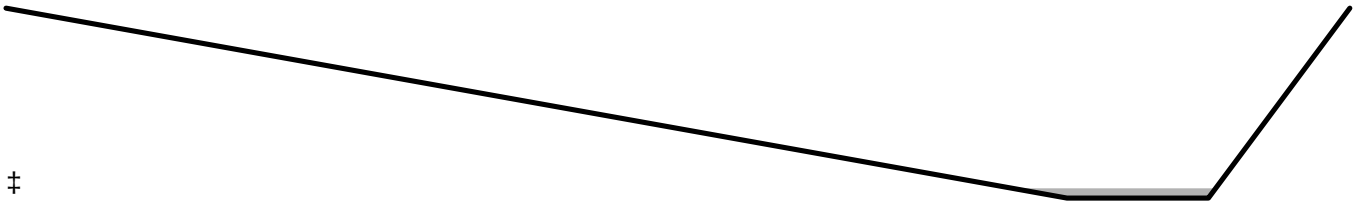
[61] Hint: Exceeded Reach 7cR outlet invert by 0.05' @ 12.15 hrs

Inflow Area = 0.030 ac,100.00% Impervious, Inflow Depth > 6.65" for 25Yr-24Hr event
Inflow = 0.18 cfs @ 12.13 hrs, Volume= 0.017 af
Outflow = 0.18 cfs @ 12.14 hrs, Volume= 0.017 af, Atten= 0%, Lag= 0.8 min

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Max. Velocity= 1.44 fps, Min. Travel Time= 0.8 min
Avg. Velocity = 0.56 fps, Avg. Travel Time= 2.2 min

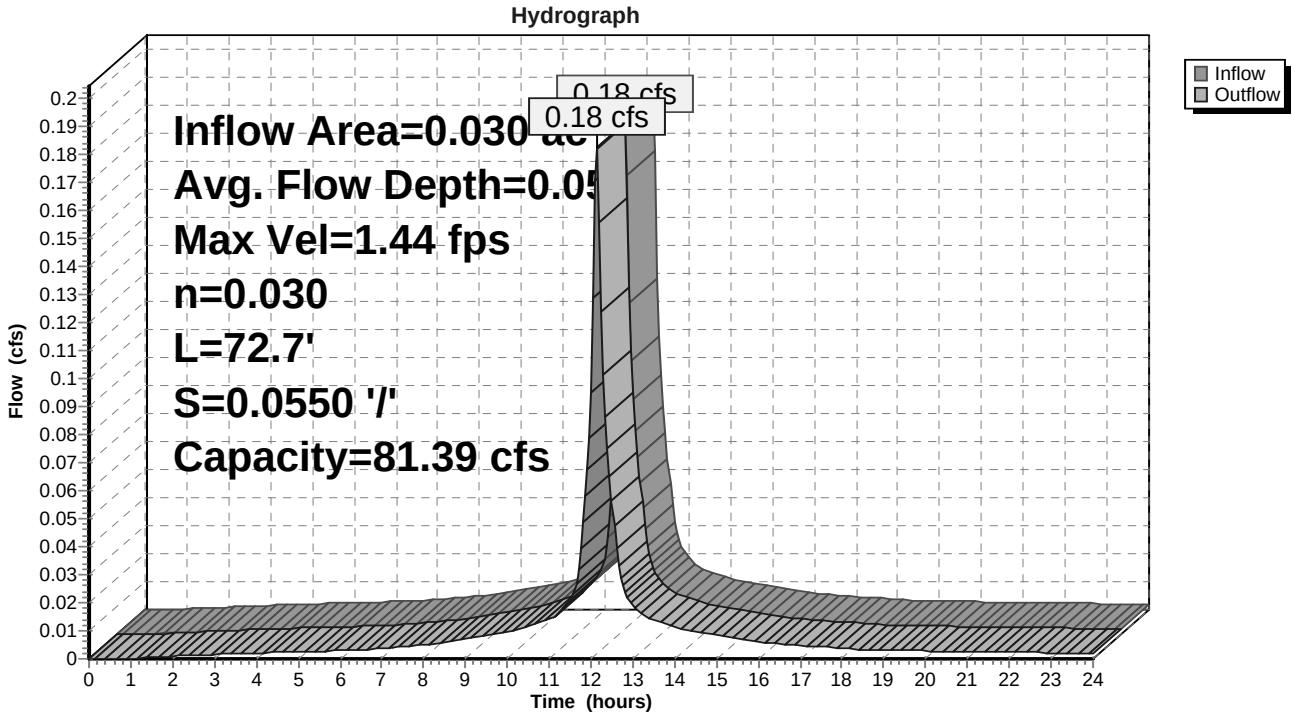
Peak Storage= 9 cf @ 12.14 hrs
Average Depth at Peak Storage= 0.05'
Bank-Full Depth= 1.00' Flow Area= 10.5 sf, Capacity= 81.39 cfs

2.00' x 1.00' deep channel, n= 0.030 Earth, grassed & winding
Side Slope Z-value= 15.0 2.0 '/' Top Width= 19.00'
Length= 72.7' Slope= 0.0550 '/'
Inlet Invert= 128.00', Outlet Invert= 124.00'



‡

Reach 7dR: Overland Flow



Summary for Reach 7eR: Overland Flow

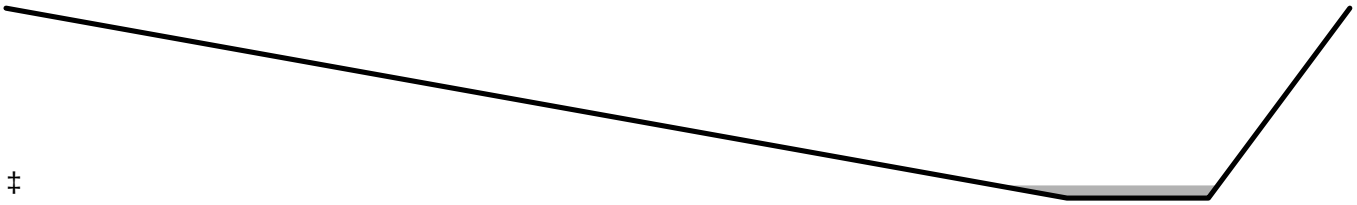
[62] Hint: Exceeded Reach 7dR OUTLET depth by 0.01' @ 12.20 hrs

Inflow Area = 0.030 ac,100.00% Impervious, Inflow Depth > 6.65" for 25Yr-24Hr event
Inflow = 0.18 cfs @ 12.14 hrs, Volume= 0.017 af
Outflow = 0.18 cfs @ 12.15 hrs, Volume= 0.017 af, Atten= 0%, Lag= 0.5 min

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Max. Velocity= 1.07 fps, Min. Travel Time= 0.7 min
Avg. Velocity = 0.38 fps, Avg. Travel Time= 2.0 min

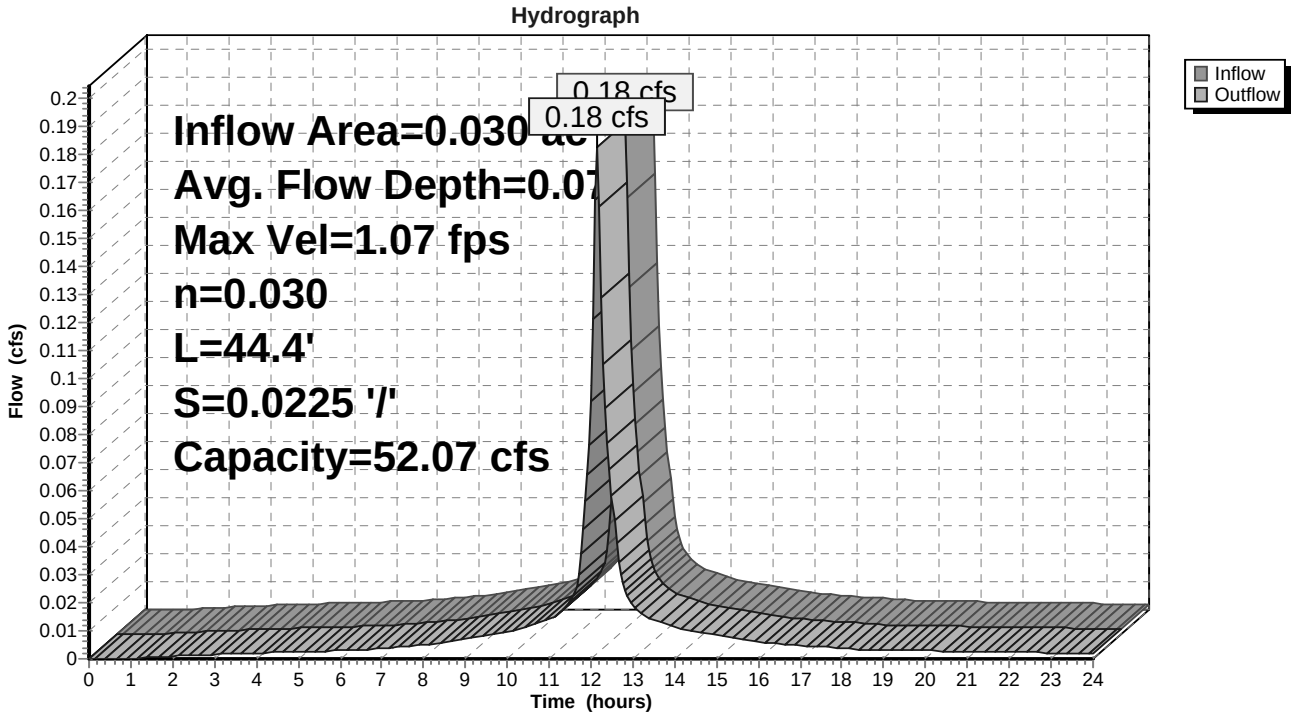
Peak Storage= 8 cf @ 12.15 hrs
Average Depth at Peak Storage= 0.07'
Bank-Full Depth= 1.00' Flow Area= 10.5 sf, Capacity= 52.07 cfs

2.00' x 1.00' deep channel, n= 0.030 Earth, grassed & winding
Side Slope Z-value= 15.0 2.0 '/' Top Width= 19.00'
Length= 44.4' Slope= 0.0225 '/'
Inlet Invert= 124.00', Outlet Invert= 123.00'



‡

Reach 7eR: Overland Flow



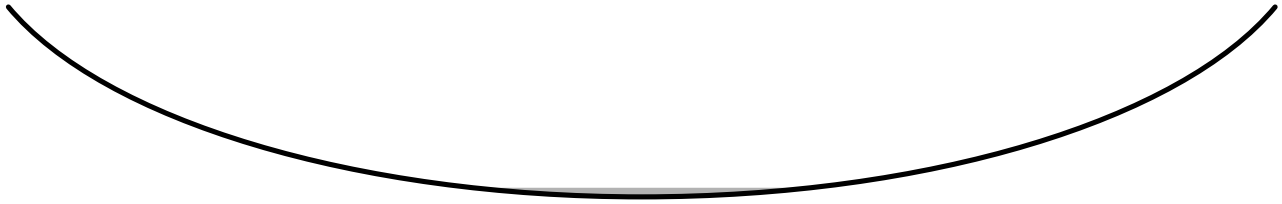
Summary for Reach 8R: Overland Flow

Inflow Area = 0.015 ac,100.00% Impervious, Inflow Depth > 6.67" for 25Yr-24Hr event
Inflow = 0.10 cfs @ 12.09 hrs, Volume= 0.008 af
Outflow = 0.10 cfs @ 12.09 hrs, Volume= 0.008 af, Atten= 0%, Lag= 0.3 min

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Max. Velocity= 1.93 fps, Min. Travel Time= 0.4 min
Avg. Velocity = 0.75 fps, Avg. Travel Time= 1.0 min

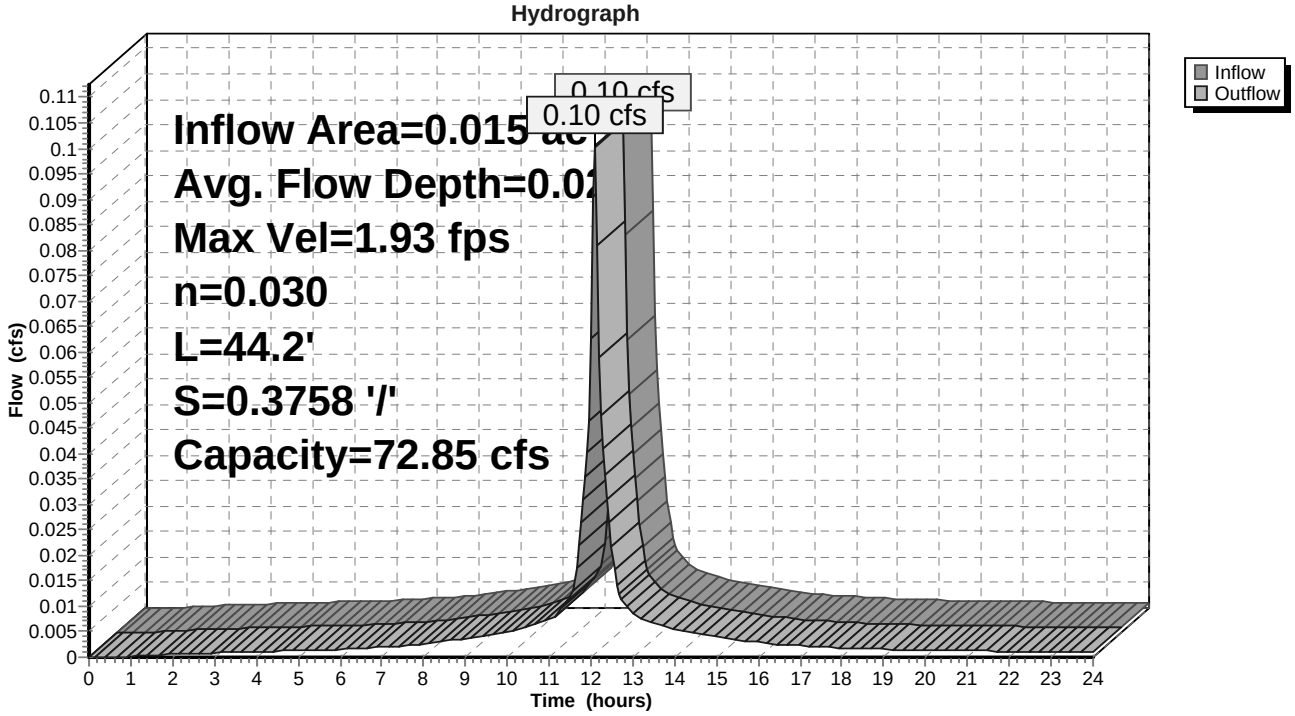
Peak Storage= 2 cf @ 12.09 hrs
Average Depth at Peak Storage= 0.02'
Bank-Full Depth= 0.50' Flow Area= 5.0 sf, Capacity= 72.85 cfs

15.00' x 0.50' deep Parabolic Channel, n= 0.030 Earth, grassed & winding
Length= 44.2' Slope= 0.3758 '/'
Inlet Invert= 146.36', Outlet Invert= 129.75'



‡

Reach 8R: Overland Flow



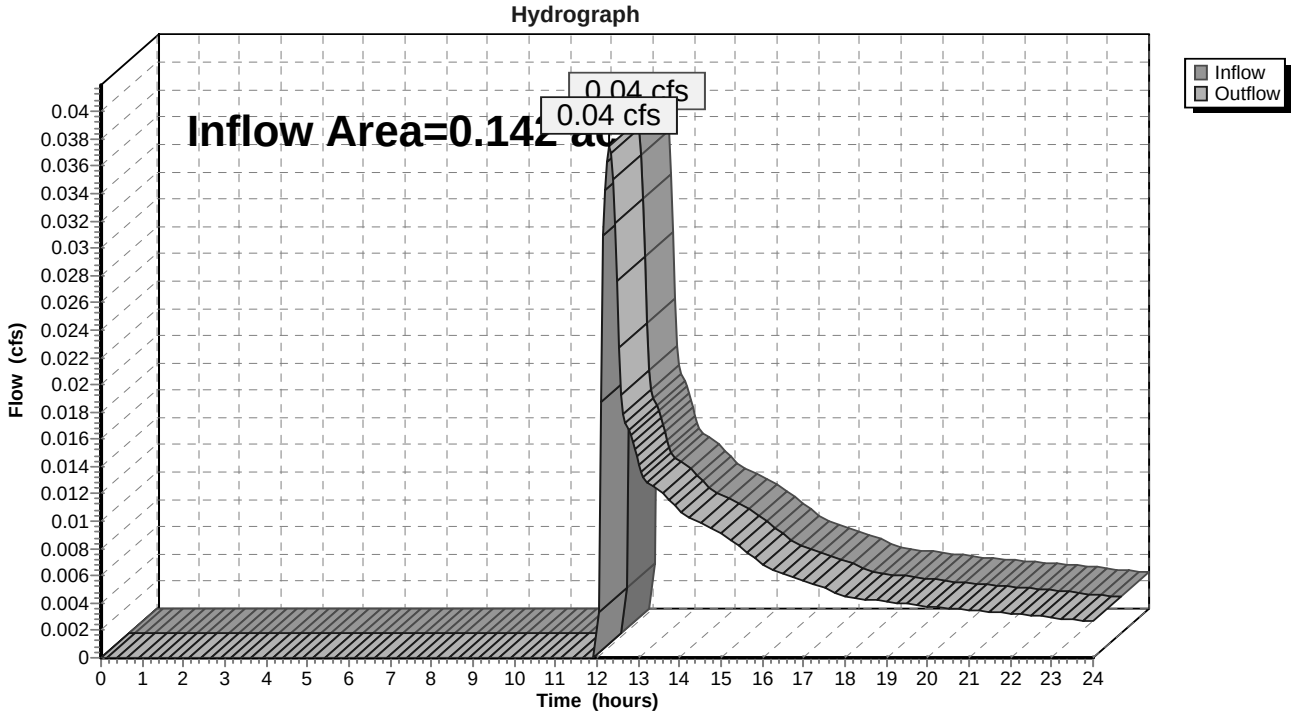
Summary for Reach 200R: Final Reach #200

[40] Hint: Not Described (Outflow=Inflow)

Inflow Area = 0.142 ac, 0.00% Impervious, Inflow Depth > 0.60" for 25Yr-24Hr event
Inflow = 0.04 cfs @ 12.31 hrs, Volume= 0.007 af
Outflow = 0.04 cfs @ 12.31 hrs, Volume= 0.007 af, Atten= 0%, Lag= 0.0 min

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs

Reach 200R: Final Reach #200



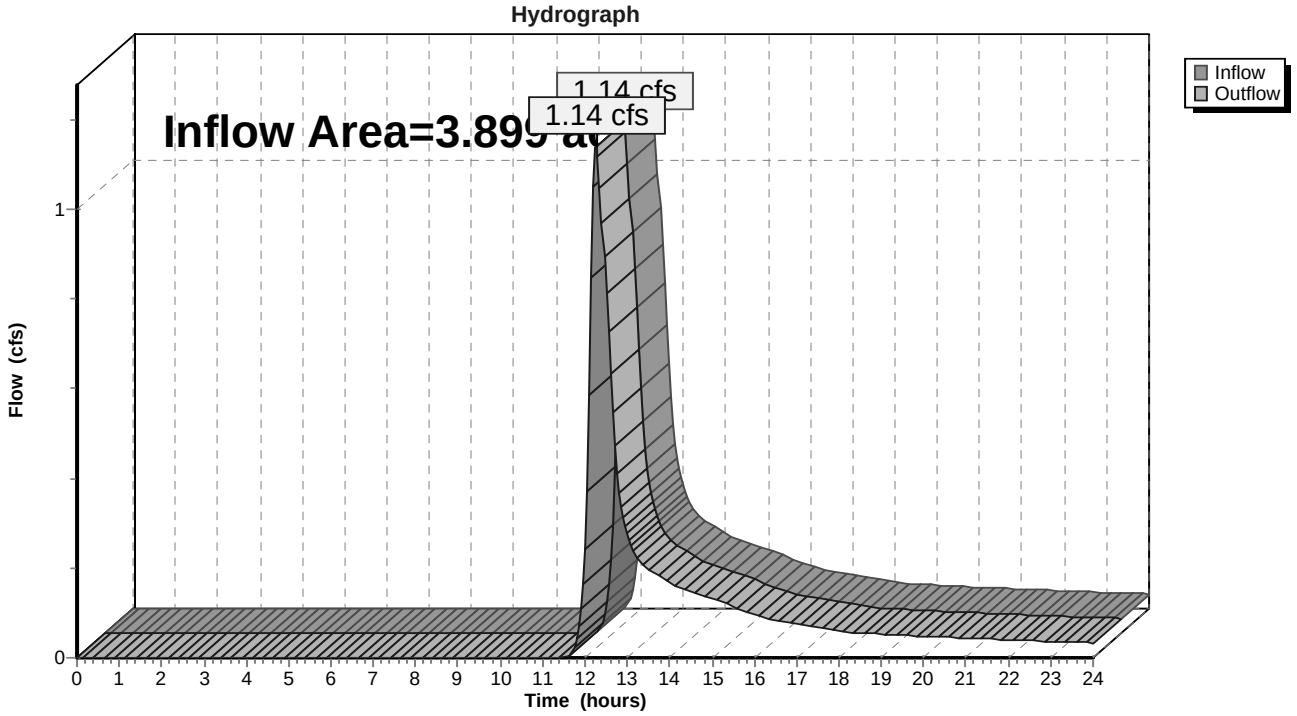
Summary for Reach 500R: Final Reach #500

[40] Hint: Not Described (Outflow=Inflow)

Inflow Area = 3.899 ac, 24.47% Impervious, Inflow Depth > 0.40" for 25Yr-24Hr event
Inflow = 1.14 cfs @ 12.27 hrs, Volume= 0.130 af
Outflow = 1.14 cfs @ 12.27 hrs, Volume= 0.130 af, Atten= 0%, Lag= 0.0 min

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs

Reach 500R: Final Reach #500



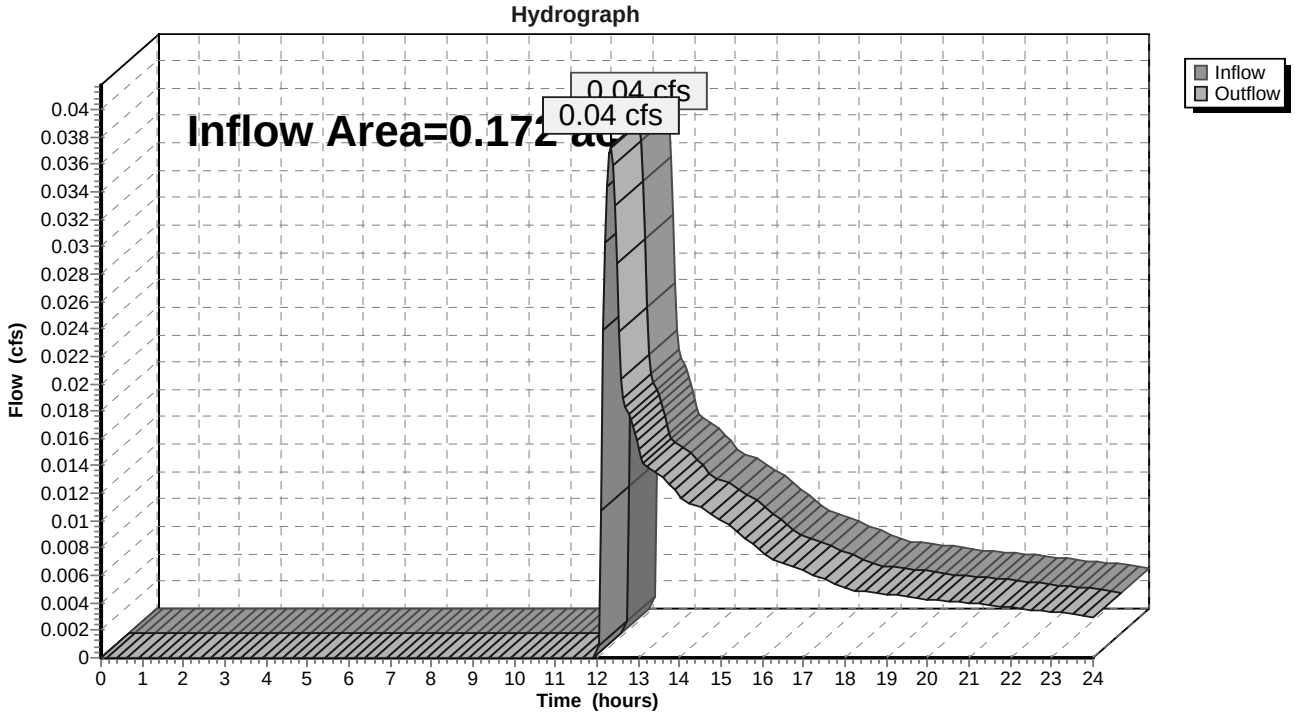
Summary for Reach 600R: Final Reach #600

[40] Hint: Not Described (Outflow=Inflow)

Inflow Area = 0.172 ac, 5.59% Impervious, Inflow Depth > 0.53" for 25Yr-24Hr event
Inflow = 0.04 cfs @ 12.34 hrs, Volume= 0.008 af
Outflow = 0.04 cfs @ 12.34 hrs, Volume= 0.008 af, Atten= 0%, Lag= 0.0 min

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs

Reach 600R: Final Reach #600



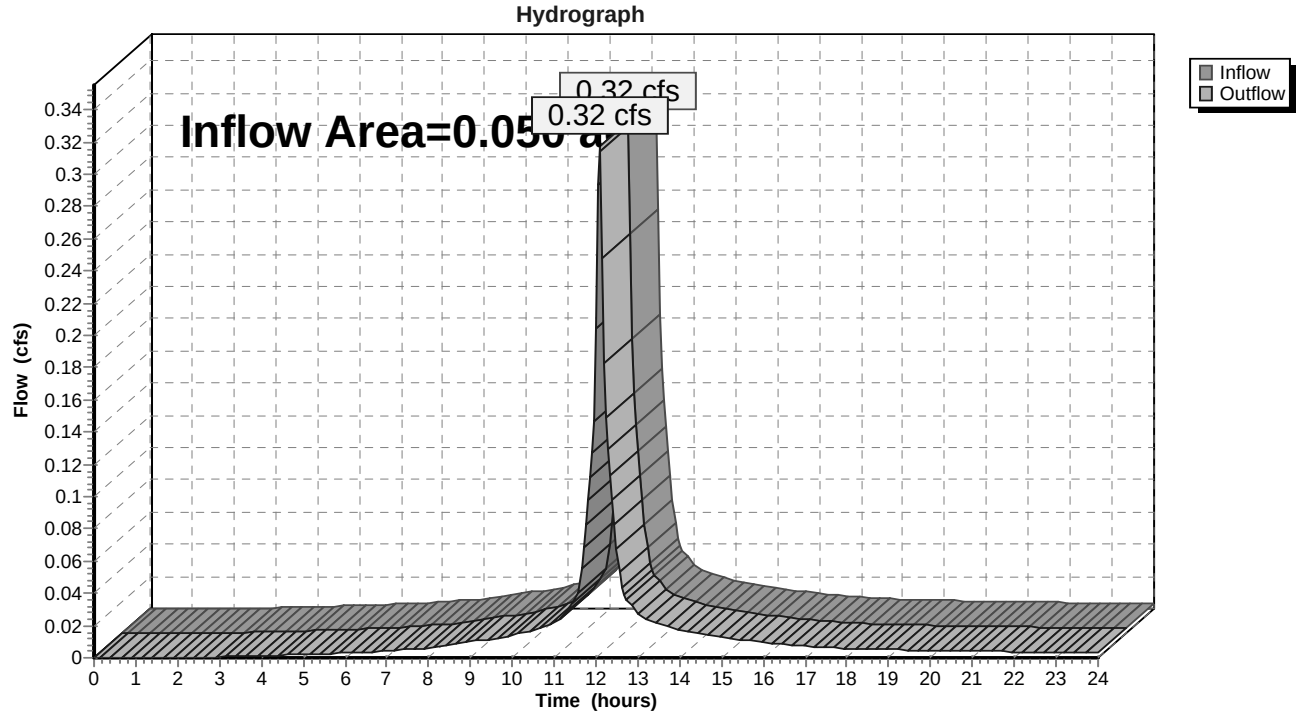
Summary for Reach 1000R: Final Reach #1000

[40] Hint: Not Described (Outflow=Inflow)

Inflow Area = 0.050 ac, 91.56% Impervious, Inflow Depth > 6.08" for 25Yr-24Hr event
Inflow = 0.32 cfs @ 12.09 hrs, Volume= 0.025 af
Outflow = 0.32 cfs @ 12.09 hrs, Volume= 0.025 af, Atten= 0%, Lag= 0.0 min

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs

Reach 1000R: Final Reach #1000



Summary for Pond 30P: Inlet Sump

[90] Warning: Qout>Qin may require smaller dt or Finer Routing

Inflow Area = 1.196 ac, 7.77% Impervious, Inflow Depth > 1.03" for 25Yr-24Hr event
Inflow = 0.78 cfs @ 12.18 hrs, Volume= 0.102 af
Outflow = 0.78 cfs @ 12.19 hrs, Volume= 0.102 af, Atten= 0%, Lag= 0.5 min
Primary = 0.78 cfs @ 12.19 hrs, Volume= 0.102 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Peak Elev= 121.91' @ 12.19 hrs Surf.Area= 50 sf Storage= 15 cf
Flood Elev= 123.00' Surf.Area= 491 sf Storage= 305 cf

Plug-Flow detention time= 0.7 min calculated for 0.102 af (100% of inflow)
Center-of-Mass det. time= 0.5 min (894.3 - 893.8)

Volume	Invert	Avail.Storage	Storage Description
#1	121.50'	134 cf	**Open Storage (Irregular)**Listed below (Recalc)
#2	122.00'	172 cf	**Sediment Forebay (Irregular)**Listed below (Recalc)
		305 cf	Total Available Storage

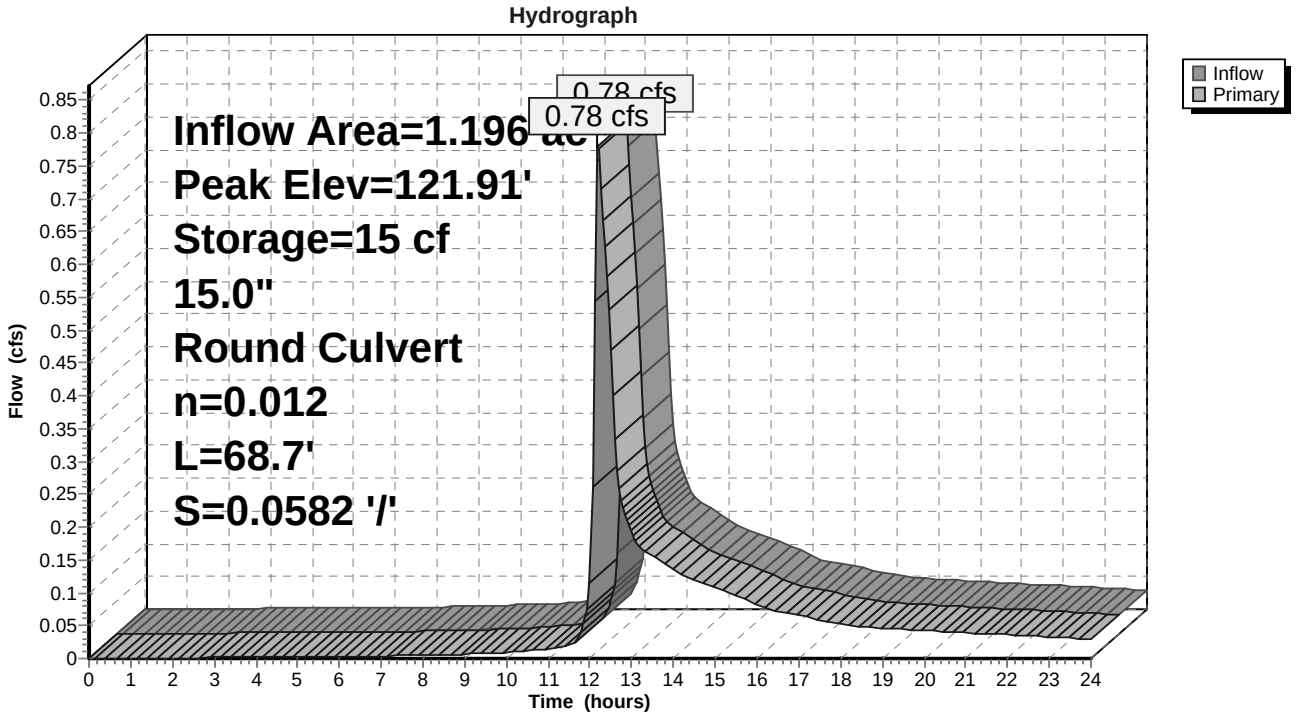
Elevation (feet)	Surf.Area (sq-ft)	Perim. (feet)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)	Wet.Area (sq-ft)
121.50	25	20.0	0	0	25
122.00	56	33.4	20	20	83
123.00	184	56.0	114	134	250

Elevation (feet)	Surf.Area (sq-ft)	Perim. (feet)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)	Wet.Area (sq-ft)
122.00	66	37.0	0	0	66
123.00	307	114.5	172	172	1,003

Device	Routing	Invert	Outlet Devices
#1	Primary	121.50'	**15.0" Round 15" HDPE N-12** L= 68.7' CPP, square edge headwall, Ke= 0.500 Inlet / Outlet Invert= 121.50' / 117.50' S= 0.0582 '/' Cc= 0.900 n= 0.012, Flow Area= 1.23 sf

Primary OutFlow Max=0.77 cfs @ 12.19 hrs HW=121.91' TW=117.51' (Dynamic Tailwater)
↑—**1=15" HDPE N-12** (Inlet Controls 0.77 cfs @ 2.19 fps)

Pond 30P: Inlet Sump



Summary for Pond 106P: Infiltration Rain Garden #106

[80] Warning: Exceeded Pond D02P by 0.07' @ 12.55 hrs (0.41 cfs 0.354 af)
[80] Warning: Exceeded Pond W01P by 0.01' @ 13.10 hrs (0.56 cfs 0.159 af)

Inflow Area = 2.929 ac, 29.14% Impervious, Inflow Depth > 2.27" for 25Yr-24Hr event
Inflow = 5.80 cfs @ 12.13 hrs, Volume= 0.553 af
Outflow = 0.28 cfs @ 11.55 hrs, Volume= 0.338 af, Atten= 95%, Lag= 0.0 min
Discarded = 0.28 cfs @ 11.55 hrs, Volume= 0.338 af
Primary = 0.00 cfs @ 0.00 hrs, Volume= 0.000 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Peak Elev= 119.77' @ 16.38 hrs Surf.Area= 4,050 sf Storage= 12,426 cf
Flood Elev= 121.50' Surf.Area= 4,050 sf Storage= 19,578 cf

Plug-Flow detention time= (not calculated: outflow precedes inflow)
Center-of-Mass det. time= 159.9 min (999.2 - 839.3)

Volume	Invert	Avail.Storage	Storage Description
#1	113.50'	1,620 cf	**Stone (Irregular)** Listed below (Recalc) 4,050 cf Overall x 40.0% Voids
#2	114.50'	1,046 cf	**BioMedia (Irregular)** Listed below (Recalc) -Impervious 5,232 cf Overall x 20.0% Voids
#3	116.50'	131 cf	**Loam (Irregular)** Listed below (Recalc) -Impervious 654 cf Overall x 20.0% Voids
#4	116.75'	16,781 cf	**Open Water Storage (Irregular)** Listed below (Recalc) -Impervious
		19,578 cf	Total Available Storage

Elevation (feet)	Surf.Area (sq-ft)	Perim. (feet)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)	Wet.Area (sq-ft)
113.50	4,050	346.1	0	0	4,050
114.50	4,050	346.1	4,050	4,050	4,396

Elevation (feet)	Surf.Area (sq-ft)	Perim. (feet)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)	Wet.Area (sq-ft)
114.50	2,616	325.2	0	0	2,616
116.50	2,616	325.2	5,232	5,232	3,266

Elevation (feet)	Surf.Area (sq-ft)	Perim. (feet)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)	Wet.Area (sq-ft)
116.50	2,616	325.2	0	0	2,616
116.75	2,616	325.2	654	654	2,697

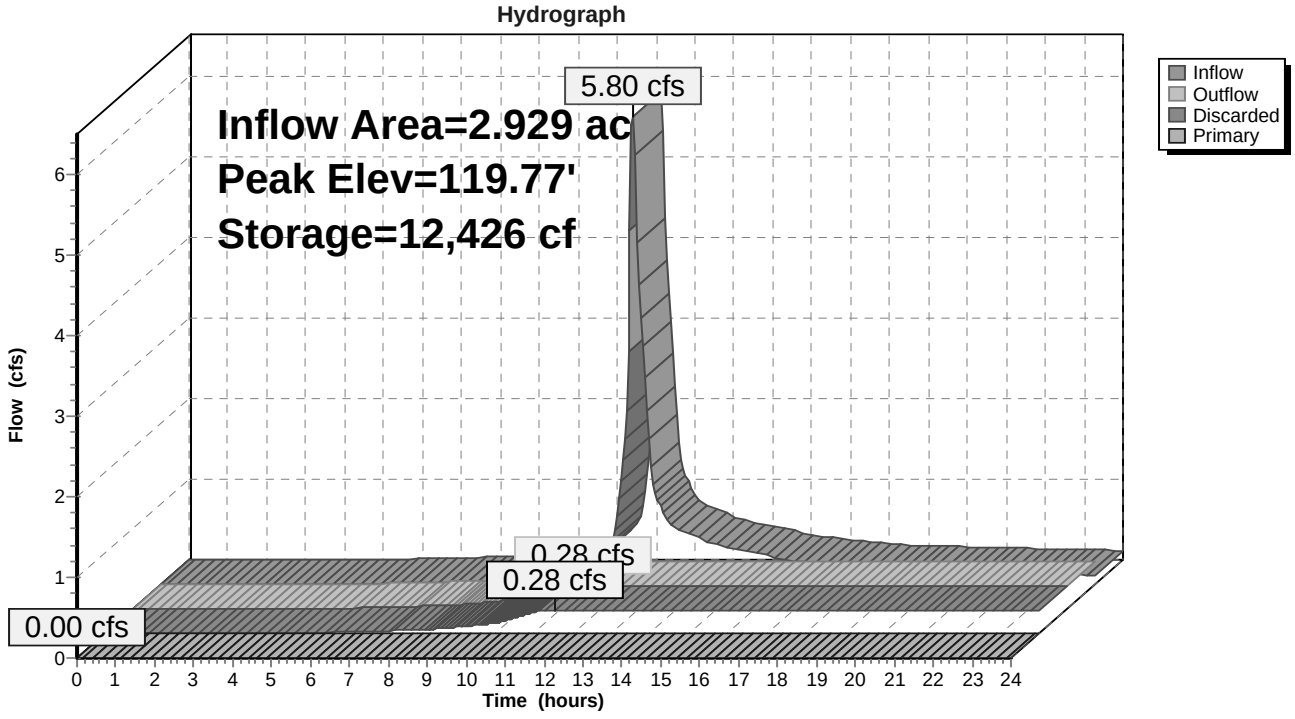
Elevation (feet)	Surf.Area (sq-ft)	Perim. (feet)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)	Wet.Area (sq-ft)
116.75	2,616	325.2	0	0	2,616
117.00	2,716	327.4	666	666	2,756
118.00	3,093	335.5	2,902	3,569	3,297
119.00	3,477	343.5	3,283	6,852	3,847
120.00	3,870	351.6	3,672	10,524	4,414
121.00	4,271	359.6	4,069	14,593	4,990
121.50	4,483	363.8	2,188	16,781	5,291

Device	Routing	Invert	Outlet Devices
#1	Primary	120.90'	**25.0' long x 7.0' breadth 25' Spillway** Head (feet) 0.20 0.40 0.60 0.80 1.00 1.20 1.40 1.60 1.80 2.00 2.50 3.00 3.50 4.00 4.50 5.00 5.50 Coef. (English) 2.40 2.52 2.70 2.68 2.68 2.67 2.66 2.65 2.65 2.65 2.66 2.65 2.66 2.68 2.70 2.73 2.78
#2	Discarded	113.50'	**3.000 in/hr Infiltration over Surface area**

Discarded OutFlow Max=0.28 cfs @ 11.55 hrs HW=113.59' (Free Discharge)
2=Infiltration (Exfiltration Controls 0.28 cfs)

Primary OutFlow Max=0.00 cfs @ 0.00 hrs HW=113.50' TW=0.00' (Dynamic Tailwater)
1=25' Spillway (Controls 0.00 cfs)

Pond 106P: Infiltration Rain Garden #106



Summary for Pond C02P: Catch Basin #2

Inflow Area = 0.576 ac, 44.22% Impervious, Inflow Depth > 3.03" for 25Yr-24Hr event
Inflow = 1.70 cfs @ 12.16 hrs, Volume= 0.145 af
Outflow = 1.70 cfs @ 12.16 hrs, Volume= 0.145 af, Atten= 0%, Lag= 0.1 min
Primary = 1.70 cfs @ 12.16 hrs, Volume= 0.145 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Peak Elev= 122.71' @ 12.16 hrs Surf.Area= 13 sf Storage= 9 cf
Flood Elev= 126.50' Surf.Area= 16 sf Storage= 57 cf

Plug-Flow detention time= 0.2 min calculated for 0.145 af (100% of inflow)
Center-of-Mass det. time= 0.2 min (846.0 - 845.9)

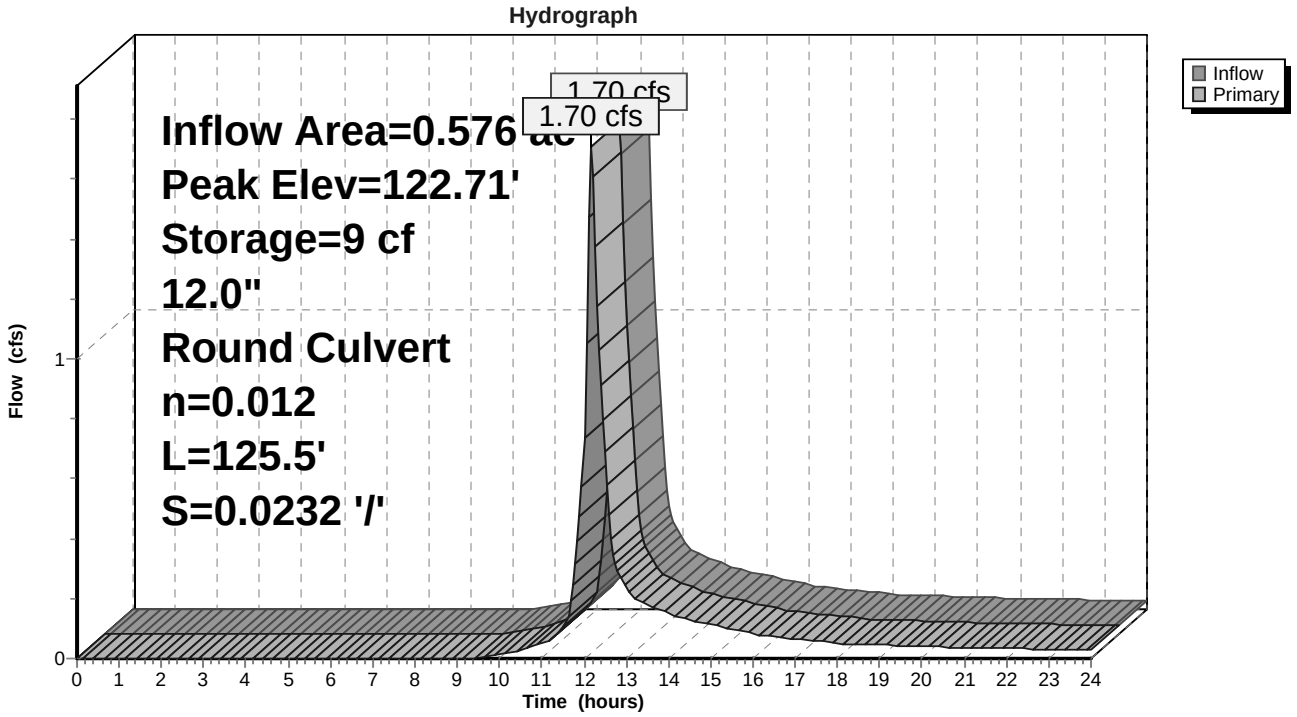
Volume	Invert	Avail.Storage	Storage Description
#1	126.50'	535 cf	**Open Water Storage (Irregular)**Listed below (Recalc)
#2	122.00'	57 cf	**4.00'D x 4.50'H 4' Structure**
		591 cf	Total Available Storage

Elevation (feet)	Surf.Area (sq-ft)	Perim. (feet)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)	Wet.Area (sq-ft)
126.50	3	6.3	0	0	3
127.00	667	103.9	119	119	859
127.50	1,007	122.8	416	535	1,205

Device	Routing	Invert	Outlet Devices
#1	Primary	122.00'	**12.0" Round 12" HDPE N-12** L= 125.5' CPP, square edge headwall, Ke= 0.500 Inlet / Outlet Invert= 122.00' / 119.09' S= 0.0232 '/' Cc= 0.900 n= 0.012, Flow Area= 0.79 sf

Primary OutFlow Max=1.68 cfs @ 12.16 hrs HW=122.70' TW=119.81' (Dynamic Tailwater)
↑—**1=12" HDPE N-12** (Inlet Controls 1.68 cfs @ 2.85 fps)

Pond C02P: Catch Basin #2



Summary for Pond C03P: Catch Basin #3

[80] Warning: Exceeded Pond C05P by 0.01' @ 12.10 hrs (0.12 cfs 0.001 af)

Inflow Area = 0.319 ac, 80.21% Impervious, Inflow Depth > 5.35" for 25Yr-24Hr event
Inflow = 1.86 cfs @ 12.09 hrs, Volume= 0.142 af
Outflow = 1.85 cfs @ 12.09 hrs, Volume= 0.142 af, Atten= 0%, Lag= 0.0 min
Primary = 1.85 cfs @ 12.09 hrs, Volume= 0.142 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Peak Elev= 120.17' @ 12.12 hrs Surf.Area= 13 sf Storage= 10 cf
Flood Elev= 123.96' Surf.Area= 13 sf Storage= 58 cf

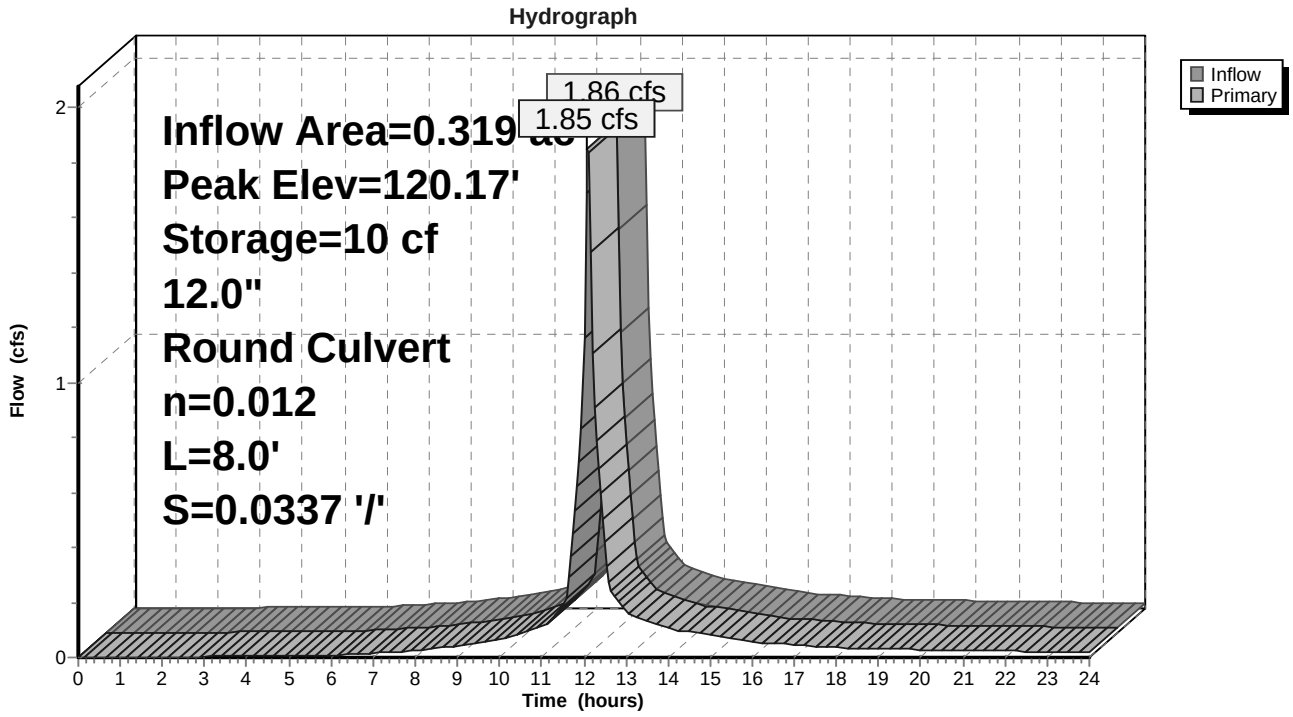
Plug-Flow detention time= 0.4 min calculated for 0.142 af (100% of inflow)
Center-of-Mass det. time= 0.4 min (785.8 - 785.4)

Volume	Invert	Avail.Storage	Storage Description
#1	119.36'	58 cf	**4.00'D x 4.60'H 4' Structure**

Device	Routing	Invert	Outlet Devices
#1	Primary	119.36'	**12.0" Round Culvert** L= 8.0' CPP, square edge headwall, Ke= 0.500 Inlet / Outlet Invert= 119.36' / 119.09' S= 0.0337 '/' Cc= 0.900 n= 0.012, Flow Area= 0.79 sf

Primary OutFlow Max=1.47 cfs @ 12.09 hrs HW=120.14' TW=119.89' (Dynamic Tailwater)
1=Culvert (Outlet Controls 1.47 cfs @ 3.09 fps)

Pond C03P: Catch Basin #3



Summary for Pond C04P: Catch Basin #4

Inflow Area = 0.290 ac, 74.56% Impervious, Inflow Depth > 4.94" for 25Yr-24Hr event
Inflow = 1.61 cfs @ 12.09 hrs, Volume= 0.119 af
Outflow = 1.61 cfs @ 12.09 hrs, Volume= 0.119 af, Atten= 0%, Lag= 0.0 min
Primary = 1.61 cfs @ 12.09 hrs, Volume= 0.119 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Peak Elev= 120.13' @ 12.13 hrs Surf.Area= 13 sf Storage= 10 cf
Flood Elev= 123.96' Surf.Area= 13 sf Storage= 58 cf

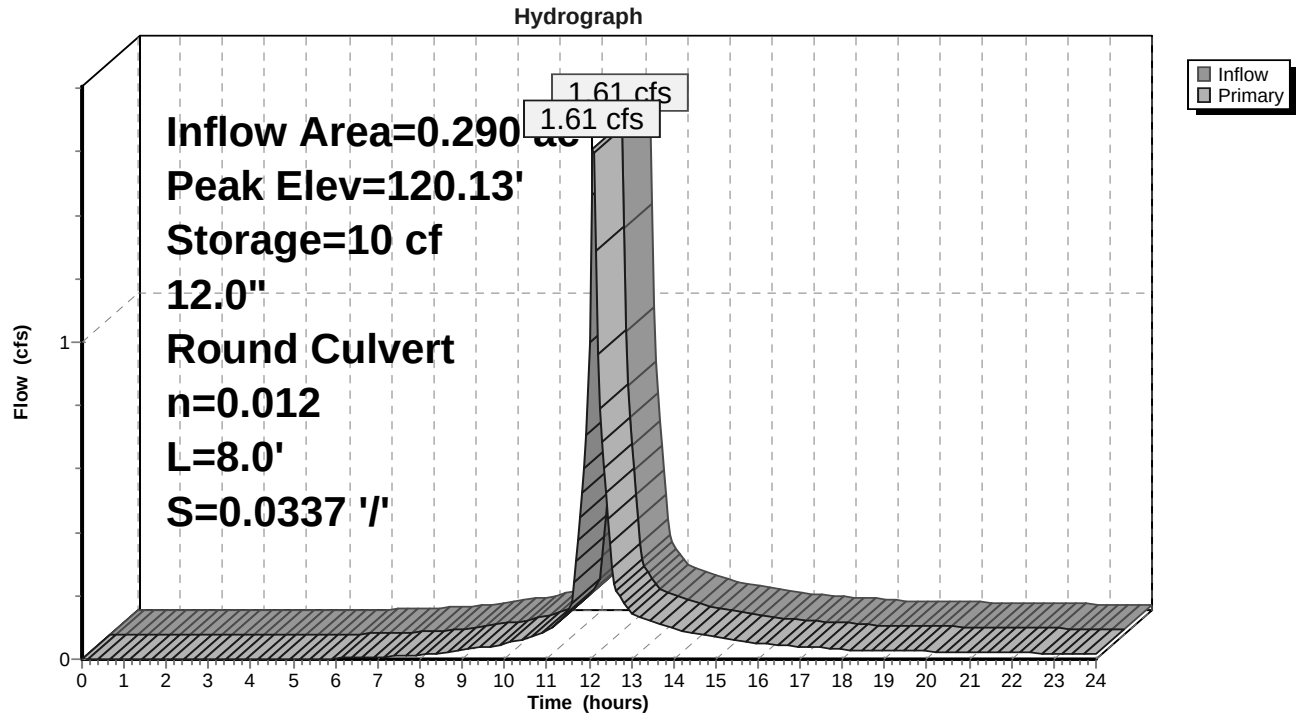
Plug-Flow detention time= 0.5 min calculated for 0.119 af (100% of inflow)
Center-of-Mass det. time= 0.4 min (800.8 - 800.4)

Volume	Invert	Avail.Storage	Storage Description
#1	119.36'	58 cf	**4.00'D x 4.60'H 4' Structure**

Device	Routing	Invert	Outlet Devices
#1	Primary	119.36'	**12.0" Round 12" HDPE N-12** L= 8.0' CPP, square edge headwall, Ke= 0.500 Inlet / Outlet Invert= 119.36' / 119.09' S= 0.0337 '/' Cc= 0.900 n= 0.012, Flow Area= 0.79 sf

Primary OutFlow Max=1.22 cfs @ 12.09 hrs HW=120.09' TW=119.89' (Dynamic Tailwater)
↑—**1=12" HDPE N-12** (Outlet Controls 1.22 cfs @ 2.77 fps)

Pond C04P: Catch Basin #4



Summary for Pond C05P: Catch Basin #5

Inflow Area = 0.058 ac,100.00% Impervious, Inflow Depth > 6.67" for 25Yr-24Hr event
Inflow = 0.39 cfs @ 12.09 hrs, Volume= 0.032 af
Outflow = 0.38 cfs @ 12.09 hrs, Volume= 0.032 af, Atten= 2%, Lag= 0.1 min
Primary = 0.38 cfs @ 12.09 hrs, Volume= 0.032 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Peak Elev= 120.20' @ 12.16 hrs Surf.Area= 13 sf Storage= 7 cf
Flood Elev= 123.91' Surf.Area= 13 sf Storage= 53 cf

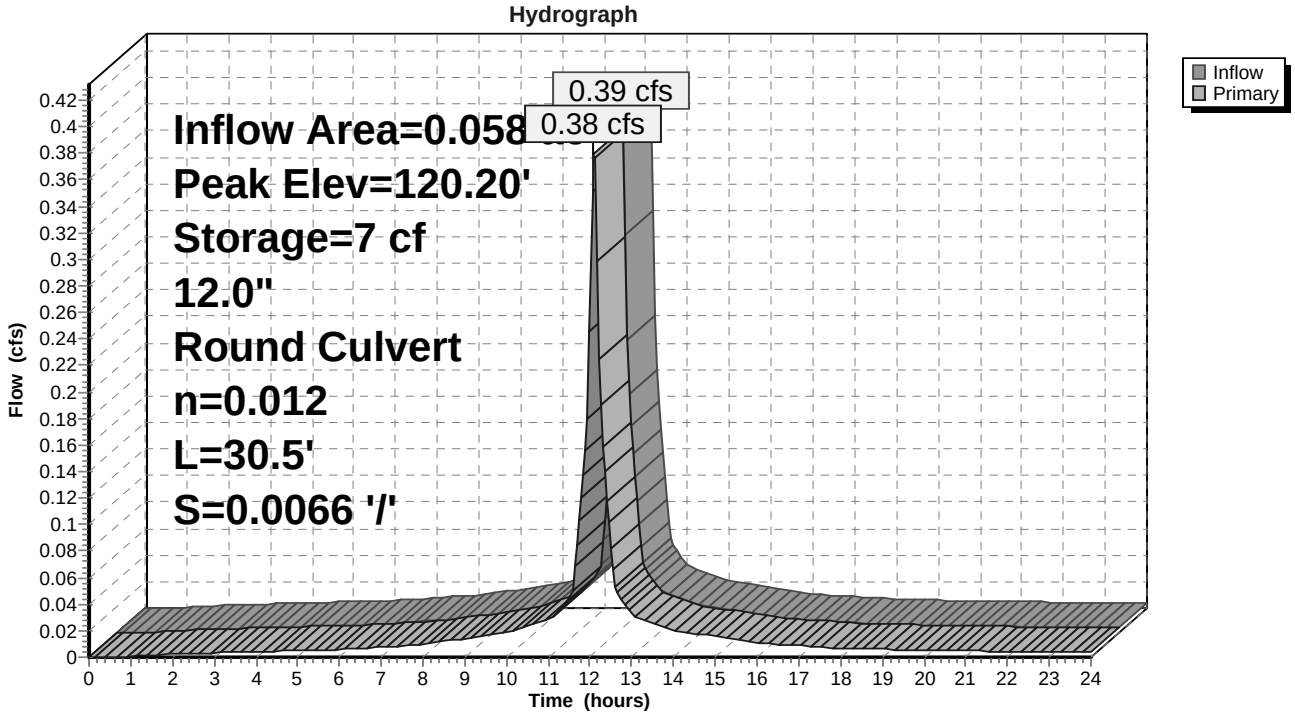
Plug-Flow detention time= 0.9 min calculated for 0.032 af (100% of inflow)
Center-of-Mass det. time= 0.7 min (743.4 - 742.7)

Volume	Invert	Avail.Storage	Storage Description
#1	119.66'	53 cf	**4.00'D x 4.25'H 4' Structure**

Device	Routing	Invert	Outlet Devices
#1	Primary	119.66'	**12.0" Round 12" HDPE N-12** L= 30.5' CPP, square edge headwall, Ke= 0.500 Inlet / Outlet Invert= 119.66' / 119.46' S= 0.0066 '/' Cc= 0.900 n= 0.012, Flow Area= 0.79 sf

Primary OutFlow Max=0.00 cfs @ 12.09 hrs HW=120.13' TW=120.13' (Dynamic Tailwater)
↑—**1=12" HDPE N-12** (Controls 0.00 cfs)

Pond C05P: Catch Basin #5



Summary for Pond C06P: Catch Basin #6

Inflow Area = 0.363 ac, 9.39% Impervious, Inflow Depth > 1.19" for 25Yr-24Hr event
Inflow = 0.31 cfs @ 12.19 hrs, Volume= 0.036 af
Outflow = 0.31 cfs @ 12.19 hrs, Volume= 0.036 af, Atten= 0%, Lag= 0.0 min
Primary = 0.31 cfs @ 12.19 hrs, Volume= 0.036 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Peak Elev= 125.03' @ 12.19 hrs Surf.Area= 3 sf Storage= 1 cf

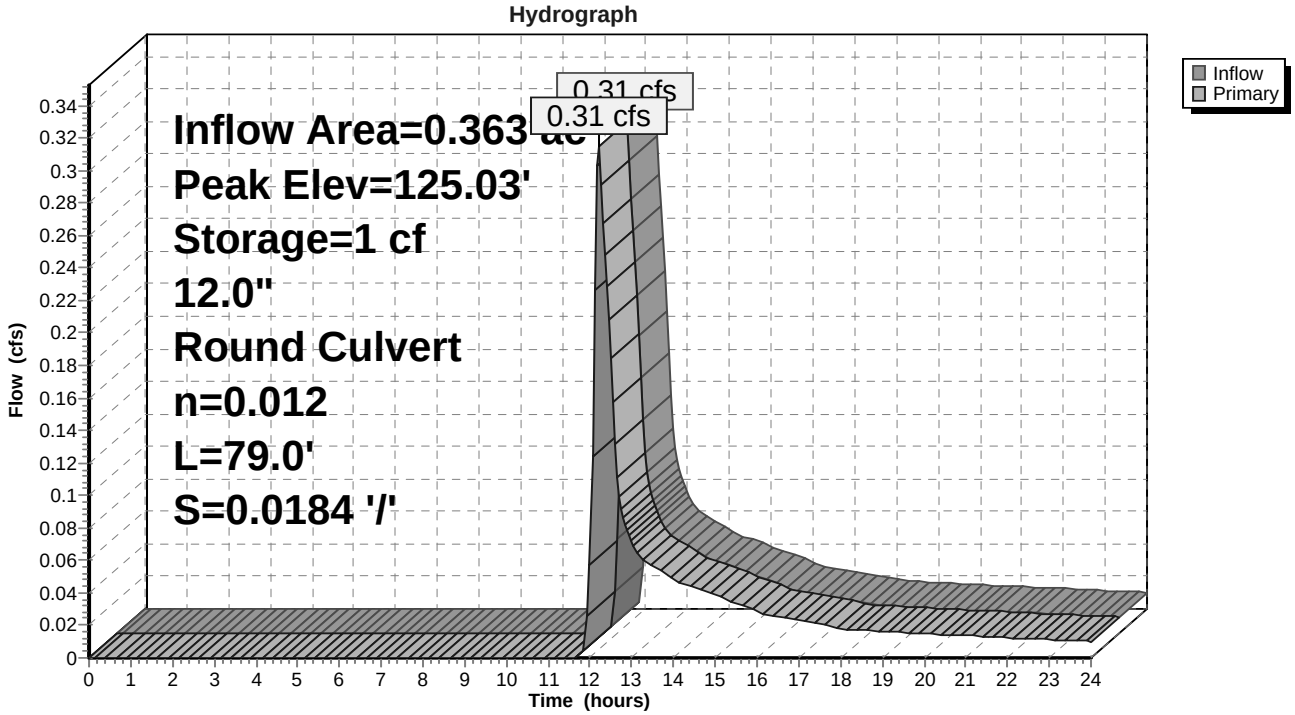
Plug-Flow detention time= 0.1 min calculated for 0.036 af (100% of inflow)
Center-of-Mass det. time= 0.1 min (903.1 - 903.0)

Volume	Invert	Avail.Storage	Storage Description
#1	124.75'	13 cf	**2.00'D x 4.25'H 2' Nyloplast Structure**

Device	Routing	Invert	Outlet Devices
#1	Primary	124.75'	**12.0" Round 12" HDPE N-12** L= 79.0' CPP, square edge headwall, Ke= 0.500 Inlet / Outlet Invert= 124.75' / 123.30' S= 0.0184 '/' Cc= 0.900 n= 0.012, Flow Area= 0.79 sf

Primary OutFlow Max=0.31 cfs @ 12.19 hrs HW=125.02' TW=118.56' (Dynamic Tailwater)
1=12" HDPE N-12 (Inlet Controls 0.31 cfs @ 1.78 fps)

Pond C06P: Catch Basin #6



Summary for Pond D01P: Drain Manhole #1

Inflow Area = 1.184 ac, 61.34% Impervious, Inflow Depth > 4.12" for 25Yr-24Hr event
Inflow = 4.92 cfs @ 12.11 hrs, Volume= 0.407 af
Outflow = 4.92 cfs @ 12.11 hrs, Volume= 0.406 af, Atten= 0%, Lag= 0.0 min
Primary = 4.92 cfs @ 12.11 hrs, Volume= 0.406 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Peak Elev= 119.91' @ 12.11 hrs Surf.Area= 13 sf Storage= 17 cf
Flood Elev= 124.19' Surf.Area= 13 sf Storage= 70 cf

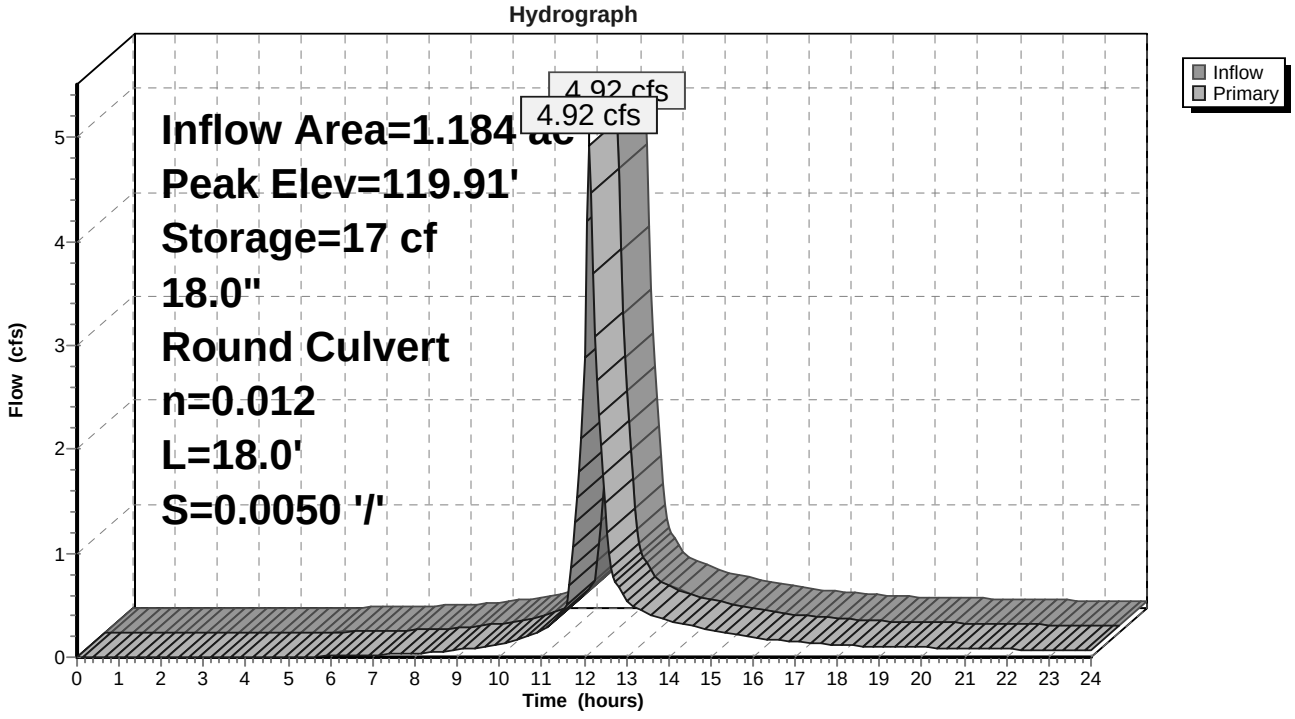
Plug-Flow detention time= 0.5 min calculated for 0.406 af (100% of inflow)
Center-of-Mass det. time= 0.3 min (812.0 - 811.7)

Volume	Invert	Avail.Storage	Storage Description
#1	118.59'	70 cf	**4.00'D x 5.60'H 4' Structure**

Device	Routing	Invert	Outlet Devices
#1	Primary	118.59'	**18.0" Round 18" HDPE N-12** L= 18.0' CPP, square edge headwall, Ke= 0.500 Inlet / Outlet Invert= 118.59' / 118.50' S= 0.0050 '/' Cc= 0.900 n= 0.012, Flow Area= 1.77 sf

Primary OutFlow Max=4.86 cfs @ 12.11 hrs HW=119.90' TW=119.33' (Dynamic Tailwater)
└**1=18" HDPE N-12** (Barrel Controls 4.86 cfs @ 3.95 fps)

Pond D01P: Drain Manhole #1



Summary for Pond D02P: Drain Manhole #2

[87] Warning: Oscillations may require smaller dt or Finer Routing (severity=54)

Inflow Area = 0.363 ac, 9.39% Impervious, Inflow Depth > 1.19" for 25Yr-24Hr event
Inflow = 0.31 cfs @ 12.19 hrs, Volume= 0.036 af
Outflow = 0.31 cfs @ 12.19 hrs, Volume= 0.036 af, Atten= 0%, Lag= 0.1 min
Primary = 0.31 cfs @ 12.19 hrs, Volume= 0.036 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Peak Elev= 119.77' @ 16.45 hrs Surf.Area= 13 sf Storage= 18 cf

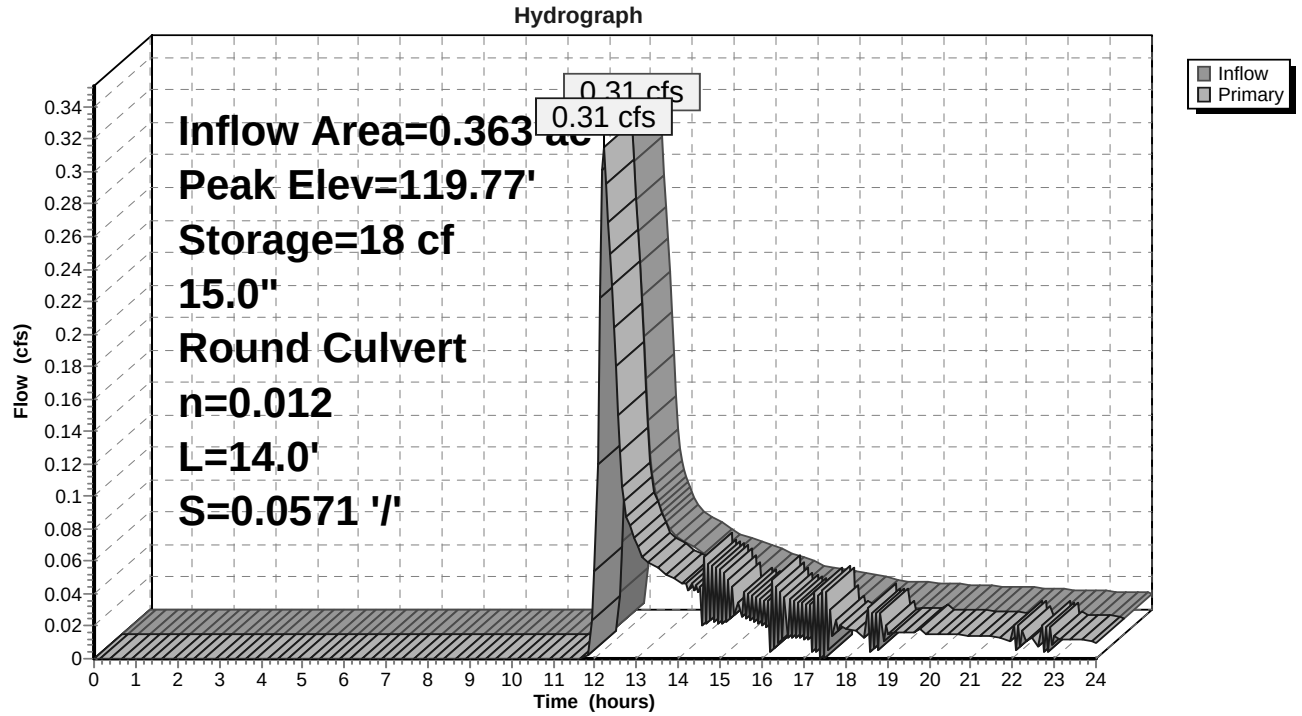
Plug-Flow detention time= 8.4 min calculated for 0.036 af (99% of inflow)
Center-of-Mass det. time= 3.2 min (906.3 - 903.1)

Volume	Invert	Avail.Storage	Storage Description
#1	118.30'	129 cf	**4.00'D x 10.25'H 4' Structure**

Device	Routing	Invert	Outlet Devices
#1	Primary	118.30'	**15.0" Round 15" HDPE N-12** L= 14.0' CPP, square edge headwall, Ke= 0.500 Inlet / Outlet Invert= 118.30' / 117.50' S= 0.0571 '/' Cc= 0.900 n= 0.012, Flow Area= 1.23 sf

Primary OutFlow Max=0.31 cfs @ 12.19 hrs HW=118.56' TW=117.55' (Dynamic Tailwater)
1=15" HDPE N-12 (Inlet Controls 0.31 cfs @ 1.72 fps)

Pond D02P: Drain Manhole #2



Summary for Pond W01P: Water Quality Inlet

[80] Warning: Exceeded Pond D01P by 0.01' @ 14.00 hrs (0.39 cfs 0.078 af)

Inflow Area = 1.184 ac, 61.34% Impervious, Inflow Depth > 4.12" for 25Yr-24Hr event
Inflow = 4.92 cfs @ 12.11 hrs, Volume= 0.406 af
Outflow = 4.91 cfs @ 12.11 hrs, Volume= 0.404 af, Atten= 0%, Lag= 0.4 min
Primary = 4.91 cfs @ 12.11 hrs, Volume= 0.404 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Peak Elev= 119.77' @ 16.43 hrs Surf.Area= 170 sf Storage= 258 cf

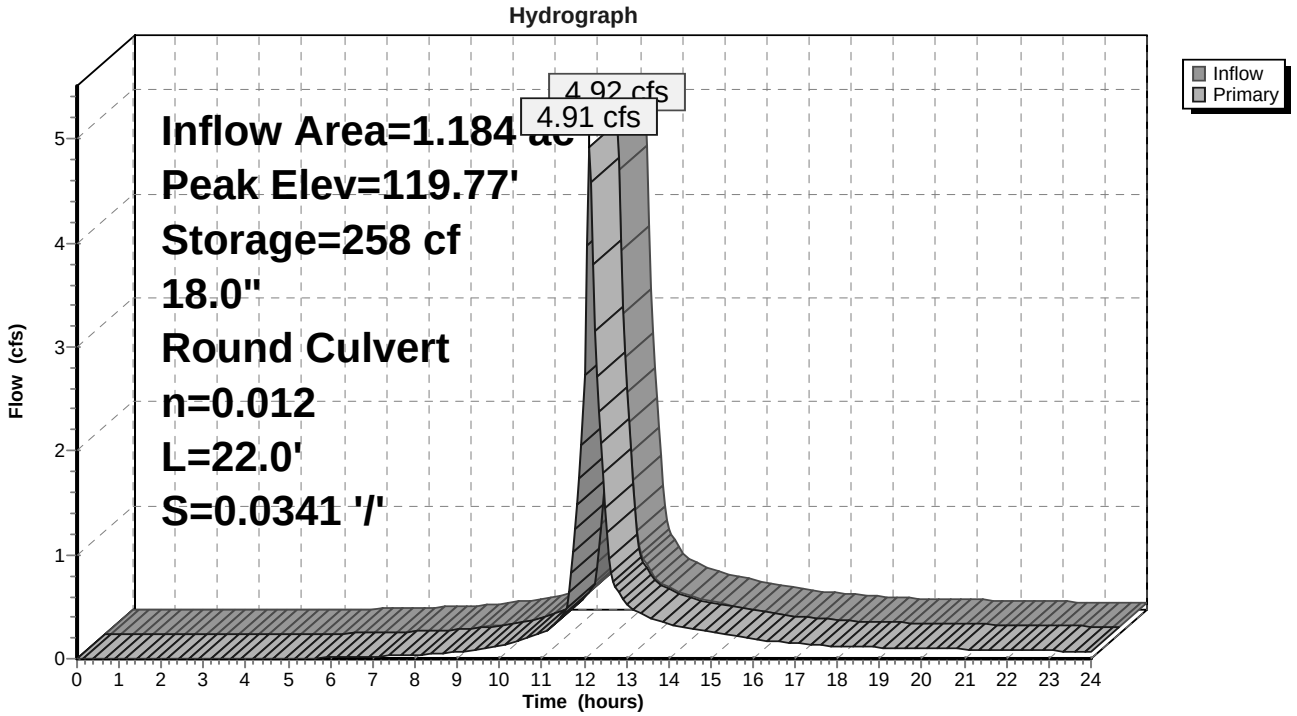
Plug-Flow detention time= 8.8 min calculated for 0.404 af (99% of inflow)
Center-of-Mass det. time= 4.8 min (816.8 - 812.0)

Volume	Invert	Avail.Storage	Storage Description
#1	118.25'	680 cf	**10.00'W x 17.00'L x 4.00'H Water Quality Inlet**

Device	Routing	Invert	Outlet Devices
#1	Primary	118.25'	**18.0" Round 18" HDPE N-12** L= 22.0' CPP, square edge headwall, Ke= 0.500 Inlet / Outlet Invert= 118.25' / 117.50' S= 0.0341 '/' Cc= 0.900 n= 0.012, Flow Area= 1.77 sf

Primary OutFlow Max=4.80 cfs @ 12.11 hrs HW=119.33' TW=117.01' (Dynamic Tailwater)
1=18" HDPE N-12 (Inlet Controls 4.80 cfs @ 3.53 fps)

Pond W01P: Water Quality Inlet



Time span=0.00-24.00 hrs, dt=0.05 hrs, 481 points
Runoff by SCS TR-20 method, UH=SCS, Weighted-CN
Reach routing by Dyn-Stor-Ind method - Pond routing by Dyn-Stor-Ind method

Subcatchment 1aS: Sophie Runoff Area=2,157 sf 91.56% Impervious Runoff Depth>2.85"
Tc=6.0 min CN=93 Runoff=0.16 cfs 0.012 af

Subcatchment 1S: Subcatchment #1 Runoff Area=15,796 sf 9.39% Impervious Runoff Depth>0.10"
Flow Length=420' Tc=10.6 min CN=45 Runoff=0.01 cfs 0.003 af

Subcatchment 2S: Subcatchment #2 Runoff Area=6,181 sf 0.00% Impervious Runoff Depth>0.00"
Flow Length=83' Tc=6.0 min CN=37 Runoff=0.00 cfs 0.000 af

Subcatchment 5S: Subcatchment #5 Runoff Area=42,221 sf 10.36% Impervious Runoff Depth>0.22"
Flow Length=306' Tc=16.6 min CN=50 Runoff=0.06 cfs 0.018 af

Subcatchment 6S: Subcatchment #6 Runoff Area=7,481 sf 5.59% Impervious Runoff Depth>0.00"
Flow Length=139' Tc=6.0 min CN=36 Runoff=0.00 cfs 0.000 af

Subcatchment 7S: Subcatchment #7 Runoff Area=660 sf 100.00% Impervious Runoff Depth>3.38"
Tc=6.0 min CN=98 Runoff=0.05 cfs 0.004 af

Subcatchment 8S: Subcatchment #8 Runoff Area=660 sf 100.00% Impervious Runoff Depth>3.38"
Tc=6.0 min CN=98 Runoff=0.05 cfs 0.004 af

Subcatchment 30S: Subcatchment #30 Runoff Area=50,764 sf 5.37% Impervious Runoff Depth>0.04"
Flow Length=363' Tc=9.1 min CN=41 Runoff=0.01 cfs 0.003 af

Subcatchment 32S: Subcatchment #32 Runoff Area=25,070 sf 44.22% Impervious Runoff Depth>0.81"
Flow Length=209' Tc=10.9 min CN=65 Runoff=0.39 cfs 0.039 af

Subcatchment 33S: Subcatchment #33 Runoff Area=11,349 sf 75.79% Impervious Runoff Depth>2.04"
Tc=6.0 min CN=84 Runoff=0.61 cfs 0.044 af

Subcatchment 34S: Subcatchment #34 Runoff Area=12,635 sf 74.56% Impervious Runoff Depth>1.96"
Tc=6.0 min CN=83 Runoff=0.65 cfs 0.047 af

Subcatchment 35S: Subcatchment #35 Runoff Area=2,538 sf 100.00% Impervious Runoff Depth>3.38"
Tc=6.0 min CN=98 Runoff=0.20 cfs 0.016 af

Subcatchment 106S: Subcatchment #106 Runoff Area=8,126 sf 0.00% Impervious Runoff Depth>0.01"
Tc=6.0 min CN=39 Runoff=0.00 cfs 0.000 af

Reach 7aR: Overland Flow Avg. Flow Depth=0.02' Max Vel=1.47 fps Inflow=0.05 cfs 0.004 af
n=0.030 L=62.3' S=0.3011 '/' Capacity=65.21 cfs Outflow=0.05 cfs 0.004 af

Reach 7bR: Overland Flow Avg. Flow Depth=0.06' Max Vel=0.33 fps Inflow=0.05 cfs 0.004 af
n=0.030 L=92.5' S=0.0027 '/' Capacity=18.04 cfs Outflow=0.05 cfs 0.004 af

Reach 7cR: Overland Flow Avg. Flow Depth=0.05' Max Vel=0.81 fps Inflow=0.10 cfs 0.009 af
n=0.030 L=90.3' S=0.0194 '/' Capacity=48.30 cfs Outflow=0.09 cfs 0.009 af

Reach 7dR: Overland Flow Avg. Flow Depth=0.03' Max Vel=1.15 fps Inflow=0.09 cfs 0.009 af
n=0.030 L=72.7' S=0.0550 '/' Capacity=81.39 cfs Outflow=0.09 cfs 0.009 af

Reach 7eR: Overland Flow Avg. Flow Depth=0.05' Max Vel=0.86 fps Inflow=0.09 cfs 0.009 af
n=0.030 L=44.4' S=0.0225 '/' Capacity=52.07 cfs Outflow=0.09 cfs 0.009 af

Reach 8R: Overland Flow Avg. Flow Depth=0.02' Max Vel=1.59 fps Inflow=0.05 cfs 0.004 af
n=0.030 L=44.2' S=0.3758 '/' Capacity=72.85 cfs Outflow=0.05 cfs 0.004 af

Reach 200R: Final Reach #200 Inflow=0.00 cfs 0.000 af
Outflow=0.00 cfs 0.000 af

Reach 500R: Final Reach #500 Inflow=0.06 cfs 0.018 af
Outflow=0.06 cfs 0.018 af

Reach 600R: Final Reach #600 Inflow=0.00 cfs 0.000 af
Outflow=0.00 cfs 0.000 af

Reach 1000R: Final Reach #1000 Inflow=0.16 cfs 0.012 af
Outflow=0.16 cfs 0.012 af

Pond 30P: Inlet Sump Peak Elev=121.64' Storage=4 cf Inflow=0.09 cfs 0.012 af
15.0" Round Culvert n=0.012 L=68.7' S=0.0582 '/' Outflow=0.09 cfs 0.012 af

Pond 106P: Infiltration Rain Garden #106 Peak Elev=115.22' Storage=1,998 cf Inflow=1.84 cfs 0.162 af
Discarded=0.28 cfs 0.162 af Primary=0.00 cfs 0.000 af Outflow=0.28 cfs 0.162 af

Pond C02P: Catch Basin #2 Peak Elev=122.31' Storage=4 cf Inflow=0.39 cfs 0.039 af
12.0" Round Culvert n=0.012 L=125.5' S=0.0232 '/' Outflow=0.39 cfs 0.039 af

Pond C03P: Catch Basin #3 Peak Elev=119.82' Storage=6 cf Inflow=0.81 cfs 0.061 af
12.0" Round Culvert n=0.012 L=8.0' S=0.0337 '/' Outflow=0.81 cfs 0.061 af

Pond C04P: Catch Basin #4 Peak Elev=119.77' Storage=5 cf Inflow=0.65 cfs 0.047 af
12.0" Round Culvert n=0.012 L=8.0' S=0.0337 '/' Outflow=0.65 cfs 0.047 af

Pond C05P: Catch Basin #5 Peak Elev=119.94' Storage=4 cf Inflow=0.20 cfs 0.016 af
12.0" Round Culvert n=0.012 L=30.5' S=0.0066 '/' Outflow=0.20 cfs 0.016 af

Pond C06P: Catch Basin #6 Peak Elev=124.78' Storage=0 cf Inflow=0.01 cfs 0.003 af
12.0" Round Culvert n=0.012 L=79.0' S=0.0184 '/' Outflow=0.01 cfs 0.003 af

Pond D01P: Drain Manhole #1 Peak Elev=119.32' Storage=9 cf Inflow=1.76 cfs 0.147 af
18.0" Round Culvert n=0.012 L=18.0' S=0.0050 '/' Outflow=1.76 cfs 0.147 af

Pond D02P: Drain Manhole #2 Peak Elev=118.33' Storage=0 cf Inflow=0.01 cfs 0.003 af
15.0" Round Culvert n=0.012 L=14.0' S=0.0571 '/' Outflow=0.01 cfs 0.003 af

Pond W01P: Water Quality Inlet Peak Elev=118.85' Storage=103 cf Inflow=1.76 cfs 0.147 af
18.0" Round Culvert n=0.012 L=22.0' S=0.0341 '/' Outflow=1.76 cfs 0.147 af

Total Runoff Area = 4.262 ac Runoff Volume = 0.192 af Average Runoff Depth = 0.54"
76.33% Pervious = 3.253 ac 23.67% Impervious = 1.009 ac

Time span=0.00-24.00 hrs, dt=0.05 hrs, 481 points
Runoff by SCS TR-20 method, UH=SCS, Weighted-CN
Reach routing by Dyn-Stor-Ind method - Pond routing by Dyn-Stor-Ind method

Subcatchment 1aS: Sophie Runoff Area=2,157 sf 91.56% Impervious Runoff Depth>4.65"
Tc=6.0 min CN=93 Runoff=0.25 cfs 0.019 af

Subcatchment 1S: Subcatchment #1 Runoff Area=15,796 sf 9.39% Impervious Runoff Depth>0.59"
Flow Length=420' Tc=10.6 min CN=45 Runoff=0.11 cfs 0.018 af

Subcatchment 2S: Subcatchment #2 Runoff Area=6,181 sf 0.00% Impervious Runoff Depth>0.22"
Flow Length=83' Tc=6.0 min CN=37 Runoff=0.01 cfs 0.003 af

Subcatchment 5S: Subcatchment #5 Runoff Area=42,221 sf 10.36% Impervious Runoff Depth>0.88"
Flow Length=306' Tc=16.6 min CN=50 Runoff=0.52 cfs 0.071 af

Subcatchment 6S: Subcatchment #6 Runoff Area=7,481 sf 5.59% Impervious Runoff Depth>0.18"
Flow Length=139' Tc=6.0 min CN=36 Runoff=0.00 cfs 0.003 af

Subcatchment 7S: Subcatchment #7 Runoff Area=660 sf 100.00% Impervious Runoff Depth>5.22"
Tc=6.0 min CN=98 Runoff=0.08 cfs 0.007 af

Subcatchment 8S: Subcatchment #8 Runoff Area=660 sf 100.00% Impervious Runoff Depth>5.22"
Tc=6.0 min CN=98 Runoff=0.08 cfs 0.007 af

Subcatchment 30S: Subcatchment #30 Runoff Area=50,764 sf 5.37% Impervious Runoff Depth>0.39"
Flow Length=363' Tc=9.1 min CN=41 Runoff=0.17 cfs 0.038 af

Subcatchment 32S: Subcatchment #32 Runoff Area=25,070 sf 44.22% Impervious Runoff Depth>1.96"
Flow Length=209' Tc=10.9 min CN=65 Runoff=1.08 cfs 0.094 af

Subcatchment 33S: Subcatchment #33 Runoff Area=11,349 sf 75.79% Impervious Runoff Depth>3.69"
Tc=6.0 min CN=84 Runoff=1.09 cfs 0.080 af

Subcatchment 34S: Subcatchment #34 Runoff Area=12,635 sf 74.56% Impervious Runoff Depth>3.59"
Tc=6.0 min CN=83 Runoff=1.19 cfs 0.087 af

Subcatchment 35S: Subcatchment #35 Runoff Area=2,538 sf 100.00% Impervious Runoff Depth>5.22"
Tc=6.0 min CN=98 Runoff=0.30 cfs 0.025 af

Subcatchment 106S: Subcatchment #106 Runoff Area=8,126 sf 0.00% Impervious Runoff Depth>0.30"
Tc=6.0 min CN=39 Runoff=0.02 cfs 0.005 af

Reach 7aR: Overland Flow Avg. Flow Depth=0.02' Max Vel=1.67 fps Inflow=0.08 cfs 0.007 af
n=0.030 L=62.3' S=0.3011 '/' Capacity=65.21 cfs Outflow=0.08 cfs 0.007 af

Reach 7bR: Overland Flow Avg. Flow Depth=0.07' Max Vel=0.38 fps Inflow=0.08 cfs 0.007 af
n=0.030 L=92.5' S=0.0027 '/' Capacity=18.04 cfs Outflow=0.07 cfs 0.007 af

Reach 7cR: Overland Flow Avg. Flow Depth=0.06' Max Vel=0.93 fps Inflow=0.15 cfs 0.013 af
n=0.030 L=90.3' S=0.0194 '/' Capacity=48.30 cfs Outflow=0.14 cfs 0.013 af

Reach 7dR: Overland Flow Avg. Flow Depth=0.04' Max Vel=1.33 fps Inflow=0.14 cfs 0.013 af
n=0.030 L=72.7' S=0.0550 '/' Capacity=81.39 cfs Outflow=0.14 cfs 0.013 af

Reach 7eR: Overland Flow Avg. Flow Depth=0.06' Max Vel=0.99 fps Inflow=0.14 cfs 0.013 af
n=0.030 L=44.4' S=0.0225 '/' Capacity=52.07 cfs Outflow=0.14 cfs 0.013 af

Reach 8R: Overland Flow Avg. Flow Depth=0.02' Max Vel=1.80 fps Inflow=0.08 cfs 0.007 af
n=0.030 L=44.2' S=0.3758 '/' Capacity=72.85 cfs Outflow=0.08 cfs 0.007 af

Reach 200R: Final Reach #200 Inflow=0.01 cfs 0.003 af
Outflow=0.01 cfs 0.003 af

Reach 500R: Final Reach #500 Inflow=0.52 cfs 0.071 af
Outflow=0.52 cfs 0.071 af

Reach 600R: Final Reach #600 Inflow=0.00 cfs 0.003 af
Outflow=0.00 cfs 0.003 af

Reach 1000R: Final Reach #1000 Inflow=0.25 cfs 0.019 af
Outflow=0.25 cfs 0.019 af

Pond 30P: Inlet Sump Peak Elev=121.72' Storage=7 cf Inflow=0.24 cfs 0.051 af
15.0" Round Culvert n=0.012 L=68.7' S=0.0582 '/' Outflow=0.24 cfs 0.051 af

Pond 106P: Infiltration Rain Garden #106 Peak Elev=118.07' Storage=6,585 cf Inflow=3.67 cfs 0.360 af
Discarded=0.28 cfs 0.321 af Primary=0.00 cfs 0.000 af Outflow=0.28 cfs 0.321 af

Pond C02P: Catch Basin #2 Peak Elev=122.54' Storage=7 cf Inflow=1.08 cfs 0.094 af
12.0" Round Culvert n=0.012 L=125.5' S=0.0232 '/' Outflow=1.08 cfs 0.094 af

Pond C03P: Catch Basin #3 Peak Elev=119.98' Storage=8 cf Inflow=1.39 cfs 0.105 af
12.0" Round Culvert n=0.012 L=8.0' S=0.0337 '/' Outflow=1.39 cfs 0.105 af

Pond C04P: Catch Basin #4 Peak Elev=119.93' Storage=7 cf Inflow=1.19 cfs 0.087 af
12.0" Round Culvert n=0.012 L=8.0' S=0.0337 '/' Outflow=1.19 cfs 0.087 af

Pond C05P: Catch Basin #5 Peak Elev=120.06' Storage=5 cf Inflow=0.30 cfs 0.025 af
12.0" Round Culvert n=0.012 L=30.5' S=0.0066 '/' Outflow=0.30 cfs 0.025 af

Pond C06P: Catch Basin #6 Peak Elev=124.91' Storage=0 cf Inflow=0.11 cfs 0.018 af
12.0" Round Culvert n=0.012 L=79.0' S=0.0184 '/' Outflow=0.11 cfs 0.018 af

Pond D01P: Drain Manhole #1 Peak Elev=119.66' Storage=13 cf Inflow=3.48 cfs 0.286 af
18.0" Round Culvert n=0.012 L=18.0' S=0.0050 '/' Outflow=3.48 cfs 0.286 af

Pond D02P: Drain Manhole #2 Peak Elev=118.45' Storage=2 cf Inflow=0.11 cfs 0.018 af
15.0" Round Culvert n=0.012 L=14.0' S=0.0571 '/' Outflow=0.11 cfs 0.018 af

Pond W01P: Water Quality Inlet Peak Elev=119.14' Storage=151 cf Inflow=3.48 cfs 0.286 af
18.0" Round Culvert n=0.012 L=22.0' S=0.0341 '/' Outflow=3.48 cfs 0.286 af

Total Runoff Area = 4.262 ac Runoff Volume = 0.456 af Average Runoff Depth = 1.28"
76.33% Pervious = 3.253 ac 23.67% Impervious = 1.009 ac

Time span=0.00-24.00 hrs, dt=0.05 hrs, 481 points
Runoff by SCS TR-20 method, UH=SCS, Weighted-CN
Reach routing by Dyn-Stor-Ind method - Pond routing by Dyn-Stor-Ind method

Subcatchment 1aS: Sophie Runoff Area=2,157 sf 91.56% Impervious Runoff Depth>6.08"
Tc=6.0 min CN=93 Runoff=0.32 cfs 0.025 af

Subcatchment 1S: Subcatchment #1 Runoff Area=15,796 sf 9.39% Impervious Runoff Depth>1.19"
Flow Length=420' Tc=10.6 min CN=45 Runoff=0.31 cfs 0.036 af

Subcatchment 2S: Subcatchment #2 Runoff Area=6,181 sf 0.00% Impervious Runoff Depth>0.60"
Flow Length=83' Tc=6.0 min CN=37 Runoff=0.04 cfs 0.007 af

Subcatchment 5S: Subcatchment #5 Runoff Area=42,221 sf 10.36% Impervious Runoff Depth>1.61"
Flow Length=306' Tc=16.6 min CN=50 Runoff=1.14 cfs 0.130 af

Subcatchment 6S: Subcatchment #6 Runoff Area=7,481 sf 5.59% Impervious Runoff Depth>0.53"
Flow Length=139' Tc=6.0 min CN=36 Runoff=0.04 cfs 0.008 af

Subcatchment 7S: Subcatchment #7 Runoff Area=660 sf 100.00% Impervious Runoff Depth>6.67"
Tc=6.0 min CN=98 Runoff=0.10 cfs 0.008 af

Subcatchment 8S: Subcatchment #8 Runoff Area=660 sf 100.00% Impervious Runoff Depth>6.67"
Tc=6.0 min CN=98 Runoff=0.10 cfs 0.008 af

Subcatchment 30S: Subcatchment #30 Runoff Area=50,764 sf 5.37% Impervious Runoff Depth>0.88"
Flow Length=363' Tc=9.1 min CN=41 Runoff=0.61 cfs 0.085 af

Subcatchment 32S: Subcatchment #32 Runoff Area=25,070 sf 44.22% Impervious Runoff Depth>3.03"
Flow Length=209' Tc=10.9 min CN=65 Runoff=1.70 cfs 0.145 af

Subcatchment 33S: Subcatchment #33 Runoff Area=11,349 sf 75.79% Impervious Runoff Depth>5.05"
Tc=6.0 min CN=84 Runoff=1.48 cfs 0.110 af

Subcatchment 34S: Subcatchment #34 Runoff Area=12,635 sf 74.56% Impervious Runoff Depth>4.94"
Tc=6.0 min CN=83 Runoff=1.61 cfs 0.119 af

Subcatchment 35S: Subcatchment #35 Runoff Area=2,538 sf 100.00% Impervious Runoff Depth>6.67"
Tc=6.0 min CN=98 Runoff=0.39 cfs 0.032 af

Subcatchment 106S: Subcatchment #106 Runoff Area=8,126 sf 0.00% Impervious Runoff Depth>0.73"
Tc=6.0 min CN=39 Runoff=0.07 cfs 0.011 af

Reach 7aR: Overland Flow Avg. Flow Depth=0.03' Max Vel=1.78 fps Inflow=0.10 cfs 0.008 af
n=0.030 L=62.3' S=0.3011 '/' Capacity=65.21 cfs Outflow=0.10 cfs 0.008 af

Reach 7bR: Overland Flow Avg. Flow Depth=0.08' Max Vel=0.41 fps Inflow=0.10 cfs 0.008 af
n=0.030 L=92.5' S=0.0027 '/' Capacity=18.04 cfs Outflow=0.09 cfs 0.008 af

Reach 7cR: Overland Flow Avg. Flow Depth=0.07' Max Vel=1.01 fps Inflow=0.19 cfs 0.017 af
n=0.030 L=90.3' S=0.0194 '/' Capacity=48.30 cfs Outflow=0.18 cfs 0.017 af

Reach 7dR: Overland Flow Avg. Flow Depth=0.05' Max Vel=1.44 fps Inflow=0.18 cfs 0.017 af
n=0.030 L=72.7' S=0.0550 '/' Capacity=81.39 cfs Outflow=0.18 cfs 0.017 af

Reach 7eR: Overland Flow Avg. Flow Depth=0.07' Max Vel=1.07 fps Inflow=0.18 cfs 0.017 af
n=0.030 L=44.4' S=0.0225 '/' Capacity=52.07 cfs Outflow=0.18 cfs 0.017 af

Reach 8R: Overland Flow Avg. Flow Depth=0.02' Max Vel=1.93 fps Inflow=0.10 cfs 0.008 af
n=0.030 L=44.2' S=0.3758 '/' Capacity=72.85 cfs Outflow=0.10 cfs 0.008 af

Reach 200R: Final Reach #200 Inflow=0.04 cfs 0.007 af
Outflow=0.04 cfs 0.007 af

Reach 500R: Final Reach #500 Inflow=1.14 cfs 0.130 af
Outflow=1.14 cfs 0.130 af

Reach 600R: Final Reach #600 Inflow=0.04 cfs 0.008 af
Outflow=0.04 cfs 0.008 af

Reach 1000R: Final Reach #1000 Inflow=0.32 cfs 0.025 af
Outflow=0.32 cfs 0.025 af

Pond 30P: Inlet Sump Peak Elev=121.91' Storage=15 cf Inflow=0.78 cfs 0.102 af
15.0" Round Culvert n=0.012 L=68.7' S=0.0582 '/' Outflow=0.78 cfs 0.102 af

Pond 106P: Infiltration Rain Garden #106 Peak Elev=119.77' Storage=12,426 cf Inflow=5.80 cfs 0.553 af
Discarded=0.28 cfs 0.338 af Primary=0.00 cfs 0.000 af Outflow=0.28 cfs 0.338 af

Pond C02P: Catch Basin #2 Peak Elev=122.71' Storage=9 cf Inflow=1.70 cfs 0.145 af
12.0" Round Culvert n=0.012 L=125.5' S=0.0232 '/' Outflow=1.70 cfs 0.145 af

Pond C03P: Catch Basin #3 Peak Elev=120.17' Storage=10 cf Inflow=1.86 cfs 0.142 af
12.0" Round Culvert n=0.012 L=8.0' S=0.0337 '/' Outflow=1.85 cfs 0.142 af

Pond C04P: Catch Basin #4 Peak Elev=120.13' Storage=10 cf Inflow=1.61 cfs 0.119 af
12.0" Round Culvert n=0.012 L=8.0' S=0.0337 '/' Outflow=1.61 cfs 0.119 af

Pond C05P: Catch Basin #5 Peak Elev=120.20' Storage=7 cf Inflow=0.39 cfs 0.032 af
12.0" Round Culvert n=0.012 L=30.5' S=0.0066 '/' Outflow=0.38 cfs 0.032 af

Pond C06P: Catch Basin #6 Peak Elev=125.03' Storage=1 cf Inflow=0.31 cfs 0.036 af
12.0" Round Culvert n=0.012 L=79.0' S=0.0184 '/' Outflow=0.31 cfs 0.036 af

Pond D01P: Drain Manhole #1 Peak Elev=119.91' Storage=17 cf Inflow=4.92 cfs 0.407 af
18.0" Round Culvert n=0.012 L=18.0' S=0.0050 '/' Outflow=4.92 cfs 0.406 af

Pond D02P: Drain Manhole #2 Peak Elev=119.77' Storage=18 cf Inflow=0.31 cfs 0.036 af
15.0" Round Culvert n=0.012 L=14.0' S=0.0571 '/' Outflow=0.31 cfs 0.036 af

Pond W01P: Water Quality Inlet Peak Elev=119.77' Storage=258 cf Inflow=4.92 cfs 0.406 af
18.0" Round Culvert n=0.012 L=22.0' S=0.0341 '/' Outflow=4.91 cfs 0.404 af

Total Runoff Area = 4.262 ac Runoff Volume = 0.726 af Average Runoff Depth = 2.04"
76.33% Pervious = 3.253 ac 23.67% Impervious = 1.009 ac

Time span=0.00-24.00 hrs, dt=0.05 hrs, 481 points
Runoff by SCS TR-20 method, UH=SCS, Weighted-CN
Reach routing by Dyn-Stor-Ind method - Pond routing by Dyn-Stor-Ind method

Subcatchment 1aS: Sophie Runoff Area=2,157 sf 91.56% Impervious Runoff Depth>7.43"
Tc=6.0 min CN=93 Runoff=0.38 cfs 0.031 af

Subcatchment 1S: Subcatchment #1 Runoff Area=15,796 sf 9.39% Impervious Runoff Depth>1.88"
Flow Length=420' Tc=10.6 min CN=45 Runoff=0.58 cfs 0.057 af

Subcatchment 2S: Subcatchment #2 Runoff Area=6,181 sf 0.00% Impervious Runoff Depth>1.08"
Flow Length=83' Tc=6.0 min CN=37 Runoff=0.10 cfs 0.013 af

Subcatchment 5S: Subcatchment #5 Runoff Area=42,221 sf 10.36% Impervious Runoff Depth>2.41"
Flow Length=306' Tc=16.6 min CN=50 Runoff=1.83 cfs 0.194 af

Subcatchment 6S: Subcatchment #6 Runoff Area=7,481 sf 5.59% Impervious Runoff Depth>0.99"
Flow Length=139' Tc=6.0 min CN=36 Runoff=0.10 cfs 0.014 af

Subcatchment 7S: Subcatchment #7 Runoff Area=660 sf 100.00% Impervious Runoff Depth>8.03"
Tc=6.0 min CN=98 Runoff=0.12 cfs 0.010 af

Subcatchment 8S: Subcatchment #8 Runoff Area=660 sf 100.00% Impervious Runoff Depth>8.03"
Tc=6.0 min CN=98 Runoff=0.12 cfs 0.010 af

Subcatchment 30S: Subcatchment #30 Runoff Area=50,764 sf 5.37% Impervious Runoff Depth>1.47"
Flow Length=363' Tc=9.1 min CN=41 Runoff=1.34 cfs 0.142 af

Subcatchment 32S: Subcatchment #32 Runoff Area=25,070 sf 44.22% Impervious Runoff Depth>4.11"
Flow Length=209' Tc=10.9 min CN=65 Runoff=2.33 cfs 0.197 af

Subcatchment 33S: Subcatchment #33 Runoff Area=11,349 sf 75.79% Impervious Runoff Depth>6.35"
Tc=6.0 min CN=84 Runoff=1.83 cfs 0.138 af

Subcatchment 34S: Subcatchment #34 Runoff Area=12,635 sf 74.56% Impervious Runoff Depth>6.23"
Tc=6.0 min CN=83 Runoff=2.01 cfs 0.151 af

Subcatchment 35S: Subcatchment #35 Runoff Area=2,538 sf 100.00% Impervious Runoff Depth>8.03"
Tc=6.0 min CN=98 Runoff=0.46 cfs 0.039 af

Subcatchment 106S: Subcatchment #106 Runoff Area=8,126 sf 0.00% Impervious Runoff Depth>1.27"
Tc=6.0 min CN=39 Runoff=0.19 cfs 0.020 af

Reach 7aR: Overland Flow Avg. Flow Depth=0.03' Max Vel=1.89 fps Inflow=0.12 cfs 0.010 af
n=0.030 L=62.3' S=0.3011 '/' Capacity=65.21 cfs Outflow=0.12 cfs 0.010 af

Reach 7bR: Overland Flow Avg. Flow Depth=0.09' Max Vel=0.44 fps Inflow=0.12 cfs 0.010 af
n=0.030 L=92.5' S=0.0027 '/' Capacity=18.04 cfs Outflow=0.11 cfs 0.010 af

Reach 7cR: Overland Flow Avg. Flow Depth=0.08' Max Vel=1.07 fps Inflow=0.23 cfs 0.020 af
n=0.030 L=90.3' S=0.0194 '/' Capacity=48.30 cfs Outflow=0.22 cfs 0.020 af

Reach 7dR: Overland Flow Avg. Flow Depth=0.06' Max Vel=1.53 fps Inflow=0.22 cfs 0.020 af
n=0.030 L=72.7' S=0.0550 '/' Capacity=81.39 cfs Outflow=0.22 cfs 0.020 af

Reach 7eR: Overland Flow Avg. Flow Depth=0.07' Max Vel=1.13 fps Inflow=0.22 cfs 0.020 af
n=0.030 L=44.4' S=0.0225 '/' Capacity=52.07 cfs Outflow=0.22 cfs 0.020 af

Reach 8R: Overland Flow Avg. Flow Depth=0.03' Max Vel=2.04 fps Inflow=0.12 cfs 0.010 af
n=0.030 L=44.2' S=0.3758 '/' Capacity=72.85 cfs Outflow=0.12 cfs 0.010 af

Reach 200R: Final Reach #200 Inflow=0.10 cfs 0.013 af
Outflow=0.10 cfs 0.013 af

Reach 500R: Final Reach #500 Inflow=1.83 cfs 0.248 af
Outflow=1.83 cfs 0.248 af

Reach 600R: Final Reach #600 Inflow=0.10 cfs 0.014 af
Outflow=0.10 cfs 0.014 af

Reach 1000R: Final Reach #1000 Inflow=0.38 cfs 0.031 af
Outflow=0.38 cfs 0.031 af

Pond 30P: Inlet Sump Peak Elev=122.10' Storage=34 cf Inflow=1.56 cfs 0.163 af
15.0" Round Culvert n=0.012 L=68.7' S=0.0582 '/' Outflow=1.55 cfs 0.163 af

Pond 106P: Infiltration Rain Garden #106 Peak Elev=120.93' Storage=17,110 cf Inflow=8.28 cfs 0.752 af
Discarded=0.28 cfs 0.352 af Primary=0.38 cfs 0.053 af Outflow=0.66 cfs 0.406 af

Pond C02P: Catch Basin #2 Peak Elev=122.88' Storage=11 cf Inflow=2.33 cfs 0.197 af
12.0" Round Culvert n=0.012 L=125.5' S=0.0232 '/' Outflow=2.33 cfs 0.197 af

Pond C03P: Catch Basin #3 Peak Elev=120.94' Storage=20 cf Inflow=2.29 cfs 0.176 af
12.0" Round Culvert n=0.012 L=8.0' S=0.0337 '/' Outflow=2.27 cfs 0.176 af

Pond C04P: Catch Basin #4 Peak Elev=120.94' Storage=20 cf Inflow=2.01 cfs 0.151 af
12.0" Round Culvert n=0.012 L=8.0' S=0.0337 '/' Outflow=2.00 cfs 0.150 af

Pond C05P: Catch Basin #5 Peak Elev=120.94' Storage=16 cf Inflow=0.46 cfs 0.039 af
12.0" Round Culvert n=0.012 L=30.5' S=0.0066 '/' Outflow=0.45 cfs 0.039 af

Pond C06P: Catch Basin #6 Peak Elev=125.13' Storage=1 cf Inflow=0.58 cfs 0.057 af
12.0" Round Culvert n=0.012 L=79.0' S=0.0184 '/' Outflow=0.58 cfs 0.057 af

Pond D01P: Drain Manhole #1 Peak Elev=120.94' Storage=30 cf Inflow=6.30 cfs 0.523 af
18.0" Round Culvert n=0.012 L=18.0' S=0.0050 '/' Outflow=6.30 cfs 0.523 af

Pond D02P: Drain Manhole #2 Peak Elev=120.93' Storage=33 cf Inflow=0.58 cfs 0.057 af
15.0" Round Culvert n=0.012 L=14.0' S=0.0571 '/' Outflow=0.58 cfs 0.056 af

Pond W01P: Water Quality Inlet Peak Elev=120.94' Storage=457 cf Inflow=6.30 cfs 0.523 af
18.0" Round Culvert n=0.012 L=22.0' S=0.0341 '/' Outflow=6.28 cfs 0.514 af

Total Runoff Area = 4.262 ac Runoff Volume = 1.015 af Average Runoff Depth = 2.86"
76.33% Pervious = 3.253 ac 23.67% Impervious = 1.009 ac

Time span=0.00-24.00 hrs, dt=0.05 hrs, 481 points
Runoff by SCS TR-20 method, UH=SCS, Weighted-CN
Reach routing by Dyn-Stor-Ind method - Pond routing by Dyn-Stor-Ind method

Subcatchment 1aS: Sophie Runoff Area=2,157 sf 91.56% Impervious Runoff Depth>9.04"
Tc=6.0 min CN=93 Runoff=0.46 cfs 0.037 af

Subcatchment 1S: Subcatchment #1 Runoff Area=15,796 sf 9.39% Impervious Runoff Depth>2.81"
Flow Length=420' Tc=10.6 min CN=45 Runoff=0.93 cfs 0.085 af

Subcatchment 2S: Subcatchment #2 Runoff Area=6,181 sf 0.00% Impervious Runoff Depth>1.79"
Flow Length=83' Tc=6.0 min CN=37 Runoff=0.23 cfs 0.021 af

Subcatchment 5S: Subcatchment #5 Runoff Area=42,221 sf 10.36% Impervious Runoff Depth>3.47"
Flow Length=306' Tc=16.6 min CN=50 Runoff=2.74 cfs 0.280 af

Subcatchment 6S: Subcatchment #6 Runoff Area=7,481 sf 5.59% Impervious Runoff Depth>1.66"
Flow Length=139' Tc=6.0 min CN=36 Runoff=0.24 cfs 0.024 af

Subcatchment 7S: Subcatchment #7 Runoff Area=660 sf 100.00% Impervious Runoff Depth>9.64"
Tc=6.0 min CN=98 Runoff=0.14 cfs 0.012 af

Subcatchment 8S: Subcatchment #8 Runoff Area=660 sf 100.00% Impervious Runoff Depth>9.64"
Tc=6.0 min CN=98 Runoff=0.14 cfs 0.012 af

Subcatchment 30S: Subcatchment #30 Runoff Area=50,764 sf 5.37% Impervious Runoff Depth>2.29"
Flow Length=363' Tc=9.1 min CN=41 Runoff=2.39 cfs 0.223 af

Subcatchment 32S: Subcatchment #32 Runoff Area=25,070 sf 44.22% Impervious Runoff Depth>5.46"
Flow Length=209' Tc=10.9 min CN=65 Runoff=3.11 cfs 0.262 af

Subcatchment 33S: Subcatchment #33 Runoff Area=11,349 sf 75.79% Impervious Runoff Depth>7.92"
Tc=6.0 min CN=84 Runoff=2.26 cfs 0.172 af

Subcatchment 34S: Subcatchment #34 Runoff Area=12,635 sf 74.56% Impervious Runoff Depth>7.79"
Tc=6.0 min CN=83 Runoff=2.49 cfs 0.188 af

Subcatchment 35S: Subcatchment #35 Runoff Area=2,538 sf 100.00% Impervious Runoff Depth>9.64"
Tc=6.0 min CN=98 Runoff=0.55 cfs 0.047 af

Subcatchment 106S: Subcatchment #106 Runoff Area=8,126 sf 0.00% Impervious Runoff Depth>2.04"
Tc=6.0 min CN=39 Runoff=0.36 cfs 0.032 af

Reach 7aR: Overland Flow Avg. Flow Depth=0.03' Max Vel=1.99 fps Inflow=0.14 cfs 0.012 af
n=0.030 L=62.3' S=0.3011 '/' Capacity=65.21 cfs Outflow=0.14 cfs 0.012 af

Reach 7bR: Overland Flow Avg. Flow Depth=0.10' Max Vel=0.46 fps Inflow=0.14 cfs 0.012 af
n=0.030 L=92.5' S=0.0027 '/' Capacity=18.04 cfs Outflow=0.13 cfs 0.012 af

Reach 7cR: Overland Flow Avg. Flow Depth=0.09' Max Vel=1.13 fps Inflow=0.27 cfs 0.024 af
n=0.030 L=90.3' S=0.0194 '/' Capacity=48.30 cfs Outflow=0.27 cfs 0.024 af

Reach 7dR: Overland Flow Avg. Flow Depth=0.06' Max Vel=1.62 fps Inflow=0.27 cfs 0.024 af
n=0.030 L=72.7' S=0.0550 '/' Capacity=81.39 cfs Outflow=0.26 cfs 0.024 af

Reach 7eR: Overland Flow Avg. Flow Depth=0.08' Max Vel=1.20 fps Inflow=0.26 cfs 0.024 af
n=0.030 L=44.4' S=0.0225 '/' Capacity=52.07 cfs Outflow=0.26 cfs 0.024 af

Reach 8R: Overland Flow Avg. Flow Depth=0.03' Max Vel=2.15 fps Inflow=0.14 cfs 0.012 af
n=0.030 L=44.2' S=0.3758 '/' Capacity=72.85 cfs Outflow=0.14 cfs 0.012 af

Reach 200R: Final Reach #200 Inflow=0.23 cfs 0.021 af
Outflow=0.23 cfs 0.021 af

Reach 500R: Final Reach #500 Inflow=4.80 cfs 0.561 af
Outflow=4.80 cfs 0.561 af

Reach 600R: Final Reach #600 Inflow=0.24 cfs 0.024 af
Outflow=0.24 cfs 0.024 af

Reach 1000R: Final Reach #1000 Inflow=0.46 cfs 0.037 af
Outflow=0.46 cfs 0.037 af

Pond 30P: Inlet Sump Peak Elev=122.32' Storage=73 cf Inflow=2.65 cfs 0.247 af
15.0" Round Culvert n=0.012 L=68.7' S=0.0582 '/' Outflow=2.65 cfs 0.247 af

Pond 106P: Infiltration Rain Garden #106 Peak Elev=121.04' Storage=17,571 cf Inflow=11.53 cfs 1.020 af
Discarded=0.28 cfs 0.368 af Primary=3.22 cfs 0.281 af Outflow=3.50 cfs 0.649 af

Pond C02P: Catch Basin #2 Peak Elev=123.18' Storage=15 cf Inflow=3.11 cfs 0.262 af
12.0" Round Culvert n=0.012 L=125.5' S=0.0232 '/' Outflow=3.11 cfs 0.262 af

Pond C03P: Catch Basin #3 Peak Elev=121.12' Storage=22 cf Inflow=2.80 cfs 0.218 af
12.0" Round Culvert n=0.012 L=8.0' S=0.0337 '/' Outflow=2.76 cfs 0.218 af

Pond C04P: Catch Basin #4 Peak Elev=121.12' Storage=22 cf Inflow=2.49 cfs 0.188 af
12.0" Round Culvert n=0.012 L=8.0' S=0.0337 '/' Outflow=2.45 cfs 0.188 af

Pond C05P: Catch Basin #5 Peak Elev=121.13' Storage=18 cf Inflow=0.55 cfs 0.047 af
12.0" Round Culvert n=0.012 L=30.5' S=0.0066 '/' Outflow=0.54 cfs 0.046 af

Pond C06P: Catch Basin #6 Peak Elev=125.25' Storage=2 cf Inflow=0.93 cfs 0.085 af
12.0" Round Culvert n=0.012 L=79.0' S=0.0184 '/' Outflow=0.93 cfs 0.085 af

Pond D01P: Drain Manhole #1 Peak Elev=121.12' Storage=32 cf Inflow=7.93 cfs 0.668 af
18.0" Round Culvert n=0.012 L=18.0' S=0.0050 '/' Outflow=7.92 cfs 0.667 af

Pond D02P: Drain Manhole #2 Peak Elev=121.04' Storage=34 cf Inflow=0.93 cfs 0.085 af
15.0" Round Culvert n=0.012 L=14.0' S=0.0571 '/' Outflow=0.92 cfs 0.084 af

Pond W01P: Water Quality Inlet Peak Elev=121.09' Storage=482 cf Inflow=7.92 cfs 0.667 af
18.0" Round Culvert n=0.012 L=22.0' S=0.0341 '/' Outflow=7.84 cfs 0.657 af

Total Runoff Area = 4.262 ac Runoff Volume = 1.395 af Average Runoff Depth = 3.93"
76.33% Pervious = 3.253 ac 23.67% Impervious = 1.009 ac

Appendix III - Calculations, Charts, & Graphs

Extreme Precipitation Tables
Rip Rap Calculations
AoT Stormwater Treatment Spreadsheets
NCRS USDA Web-soil Map
Site Specific Soil Survey Report & Plan
Infiltration Feasibility Study & Report
Ksat Values for New Hampshire Soils, SSSNNE Special Publication #5, 2009
Stormwater System Management: Inspection & Maintenance Manual, Plan,
Invasive Species & NHDES Green SnoPro Utilization Chart
Watershed Report Card, 303(d) List, & ORW List
Filtrexx Specifications Sheets

Extreme Precipitation Tables

Northeast Regional Climate Center

Data represents point estimates calculated from partial duration series. All precipitation amounts are displayed in inches.

Metadata for Point	
Smoothing	Yes
State	
Location	
Latitude	43.174 degrees North
Longitude	70.889 degrees West
Elevation	30 feet
Date/Time	Wed Jan 10 2024 14:46:56 GMT-0500 (Eastern Standard Time)

Extreme Precipitation Estimates

	5min	10min	15min	30min	60min	120min		1hr	2hr	3hr	6hr	12hr	24hr	48hr		1day	2day	4day	7day	10day	
1yr	0.26	0.40	0.50	0.65	0.81	1.03	**1yr**	0.70	0.98	1.20	1.55	2.00	2.61	2.86	**1yr**	2.31	2.75	3.15	3.87	4.45	**1yr**
2yr	0.32	0.49	0.61	0.81	1.01	1.29	**2yr**	0.88	1.17	1.50	1.91	2.45	3.15	3.49	**2yr**	2.78	3.36	3.86	4.59	5.22	**2yr**
5yr	0.37	0.57	0.72	0.96	1.23	1.58	**5yr**	1.06	1.44	1.85	2.38	3.08	3.98	4.48	**5yr**	3.52	4.31	4.92	5.80	6.56	**5yr**
10yr	0.40	0.63	0.80	1.09	1.42	1.85	**10yr**	1.22	1.69	2.18	2.82	3.66	4.75	5.40	**10yr**	4.20	5.20	5.93	6.93	7.80	**10yr**
25yr	0.46	0.74	0.94	1.29	1.72	2.27	**25yr**	1.48	2.09	2.69	3.53	4.61	6.01	6.93	**25yr**	5.32	6.67	7.58	8.77	9.80	**25yr**
50yr	0.51	0.83	1.06	1.48	2.00	2.66	**50yr**	1.72	2.46	3.18	4.18	5.49	7.19	8.38	**50yr**	6.36	8.06	9.13	10.48	11.66	**50yr**
100yr	0.58	0.94	1.20	1.70	2.32	3.12	**100yr**	2.00	2.89	3.74	4.96	6.54	8.60	10.12	**100yr**	7.61	9.74	11.00	12.53	13.88	**100yr**
200yr	0.64	1.04	1.36	1.95	2.69	3.66	**200yr**	2.32	3.40	4.42	5.89	7.80	10.29	12.24	**200yr**	9.11	11.77	13.26	15.00	16.53	**200yr**
500yr	0.75	1.24	1.62	2.35	3.29	4.52	**500yr**	2.84	4.21	5.49	7.37	9.83	13.05	15.73	**500yr**	11.55	15.13	16.99	19.02	20.84	**500yr**

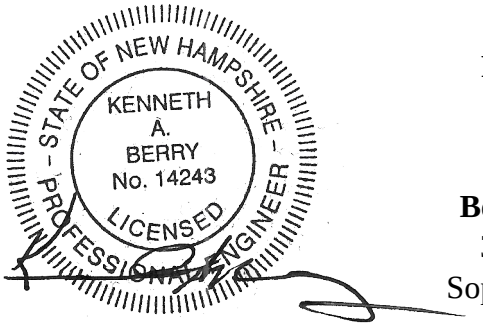
Lower Confidence Limits

	5min	10min	15min	30min	60min	120min		1hr	2hr	3hr	6hr	12hr	24hr	48hr		1day	2day	4day	7day	10day	
1yr	0.24	0.37	0.45	0.60	0.74	0.90	**1yr**	0.64	0.88	0.91	1.26	1.58	2.10	2.47	**1yr**	1.86	2.38	2.89	3.32	4.01	**1yr**
2yr	0.31	0.49	0.60	0.81	1.00	1.18	**2yr**	0.86	1.16	1.36	1.83	2.36	3.04	3.39	**2yr**	2.69	3.26	3.74	4.46	5.05	**2yr**
5yr	0.35	0.54	0.67	0.91	1.16	1.40	**5yr**	1.00	1.37	1.61	2.15	2.78	3.71	4.12	**5yr**	3.29	3.96	4.60	5.41	6.12	**5yr**
10yr	0.38	0.59	0.73	1.02	1.31	1.60	**10yr**	1.13	1.56	1.82	2.44	3.13	4.28	4.79	**10yr**	3.78	4.60	5.32	6.25	7.03	**10yr**
25yr	0.44	0.66	0.82	1.18	1.55	1.91	**25yr**	1.34	1.87	2.11	2.84	3.65	4.95	5.80	**25yr**	4.38	5.58	6.49	7.58	8.45	**25yr**
50yr	0.48	0.73	0.91	1.31	1.76	2.18	**50yr**	1.52	2.14	2.35	3.20	4.10	5.66	6.70	**50yr**	5.01	6.44	7.54	8.76	9.71	**50yr**
100yr	0.54	0.81	1.01	1.46	2.01	2.50	**100yr**	1.73	2.45	2.63	3.58	4.58	6.45	7.73	**100yr**	5.71	7.43	8.76	10.12	11.14	**100yr**
200yr	0.59	0.89	1.13	1.64	2.28	2.86	**200yr**	1.97	2.80	2.94	4.01	5.11	7.34	8.92	**200yr**	6.50	8.58	10.17	11.70	12.80	**200yr**
500yr	0.69	1.03	1.32	1.92	2.74	3.44	**500yr**	2.36	3.36	3.40	4.64	5.93	8.70	10.77	**500yr**	7.70	10.36	12.40	14.20	15.32	**500yr**

Upper Confidence Limits

	5min	10min	15min	30min	60min	120min		1hr	2hr	3hr	6hr	12hr	24hr	48hr		1day	2day	4day	7day	10day	
1yr	0.28	0.43	0.53	0.71	0.87	1.08	**1yr**	0.75	1.05	1.24	1.74	2.22	2.87	3.07	**1yr**	2.54	2.95	3.42	4.21	4.81	**1yr**
2yr	0.33	0.51	0.62	0.85	1.04	1.25	**2yr**	0.90	1.22	1.47	1.96	2.51	3.28	3.61	**2yr**	2.91	3.47	3.98	4.73	5.43	**2yr**
5yr	0.39	0.60	0.75	1.03	1.31	1.58	**5yr**	1.13	1.55	1.86	2.50	3.20	4.24	4.83	**5yr**	3.75	4.64	5.26	6.21	6.98	**5yr**
10yr	0.46	0.70	0.87	1.21	1.57	1.92	**10yr**	1.35	1.88	2.23	3.05	3.86	5.21	6.02	**10yr**	4.61	5.79	6.60	7.62	8.51	**10yr**
25yr	0.55	0.84	1.05	1.50	1.97	2.48	**25yr**	1.70	2.42	2.88	3.97	4.96	7.08	8.08	**25yr**	6.27	7.77	8.82	10.03	11.09	**25yr**
50yr	0.64	0.97	1.21	1.74	2.35	2.99	**50yr**	2.03	2.93	3.49	4.84	6.03	8.76	10.12	**50yr**	7.75	9.73	10.99	12.33	13.56	**50yr**
100yr	0.75	1.13	1.41	2.04	2.80	3.62	**100yr**	2.41	3.54	4.24	5.93	7.33	10.84	12.67	**100yr**	9.59	12.19	13.69	15.19	16.59	**100yr**
200yr	0.86	1.30	1.65	2.38	3.33	4.39	**200yr**	2.87	4.29	5.16	7.25	8.90	13.44	15.89	**200yr**	11.90	15.28	17.07	18.69	20.33	**200yr**
500yr	1.06	1.57	2.02	2.94	4.18	5.64	**500yr**	3.60	5.51	6.66	9.50	11.53	17.90	21.42	**500yr**	15.84	20.59	22.87	24.63	26.61	**500yr**

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Northeast Regional Climate Center



RIP RAP CALCULATIONS

23-126 Sophie Drive
Knox Marsh Development, LLC
Dover, NH

Berry Surveying & Engineering
335 Second Crown Point Road
Sophie Drive Extension, Dover, NH
9/1/2024/Rev: 10/17/24

Rip Rap equations were obtained from the *Stormwater Management and Erosion Control Handbook for Urban and Developing Areas in New Hampshire.* Rip Rap was sized for the 25 year storm event. (Some d50 sizes and T values have been modified)

TAILWATER < HALF THE Do

La = (1.8 x Q) / Do 3/2 + (7 x Do) Q = Peak Flow & Do is Pipe Diameter
W = La + 3*Do or defined channel width
d50 = (0.02 x Q4/3) / (Tw x Do) Tw = Tailwater Depth
T = Largest Stone Size x 1.5

Culvert or Catch Basin	Tailwater (Feet) Tw	Discharge (C.F.S.) Q	Diameter of Pipe Do	Length of Rip Rap La (feet)	Width of Rip Rap W (feet)	d50-Stone Rip Rap d50(ft.)	Actual Size	Thickness
15" HDPE (Pond #30P)	0.25	0.78	1.25	9.8	13.5	0.05	0.50	1.20
18" HDPE (Pond #W01P)	0.30	4.91	1.50	15.3	19.8	0.37	0.50	1.20

Please note that the designer chose to use the 25 Year Event for the dimensional calculations.

Table 7-24 -- Recommended Rip Rap Gradation Ranges				
d50 Size =	0.5	Feet	6	Inches
% of Weight Smaller Than the Given d50 Size	Size of Stone (Inches) From		To	
100%	9		12	
85%	8		11	
50%	6		9	
15%	2		3	

GROUNDWATER RECHARGE VOLULME (GRV) CALCULATION (Env-Wq 1507.04)

0.48	ac	Area of HSG A soil that was replaced by impervious cover	0.40"
	ac	Area of HSG B soil that was replaced by impervious cover	0.25"
(0.00)	ac	Area of HSG C soil that was replaced by impervious cover	0.10"
	ac	Area of HSG D soil or impervious cover that was replaced by impervious cover	0.0"
0.40	inches	Rd = Weighted groundwater recharge depth	
0.193	ac-in	GRV = AI * Rd	
701	cf	GRV conversion (ac-in x 43,560 sf/ac x 1ft/12”)	

Provide calculations below showing that the project meets the groundwater recharge requirements (Env-Wq 1507.04):

At the 2Yr-24Hr event the practice infiltrates 0.162 AF = 7,057 CF

The marginal decrease in impervious surface within HSG C is due to the removal of a seasonal ice skating rink and revegetation of a portion of that area.

FILTRATION PRACTICE DESIGN CRITERIA
(Env-Wq 1508.07)

NEW HAMPSHIRE DEPARTMENT OF Environmental Services

Type/Node Name: **Infiltration Rain Garden #106**

Enter the type of filtration practice (e.g., bioretention system) and the node name in the drainage analysis, if applicable.

Yes		Check if you reviewed the restrictions on unlined systems outlined in Env-Wq 1508.07(a).	
2.93	ac	A = Area draining to the practice	
0.85	ac	A_I = Impervious area draining to the practice	
0.29	decimal	I = Percent impervious area draining to the practice, in decimal form	
0.31	unitless	Rv = Runoff coefficient = 0.05 + (0.9 x I)	
0.91	ac-in	WQV= 1" x Rv x A	
3,320	cf	WQV conversion (ac-in x 43,560 sf/ac x 1ft/12")	
830	cf	25% x WQV (check calc for sediment forebay volume)	
2,490	cf	75% x WQV (check calc for surface sand filter volume)	
Water Quality Inlet		Method of Pretreatment? (not required for clean or roof runoff)	
See Note	cf	V_{SED} = Sediment forebay volume, if used for pretreatment	**≥ 25%WQV**
Calculate time to drain if system IS NOT underdrained:			
2,616	sf	A_{SA} = Surface area of the practice	
3.00	iph	$Ksat_{DESIGN}$ = Design infiltration rate[1]	
		If Ksat (prior to factor of safety) is < 0.50 iph, has an underdrain been provided?	
	Yes/No	(Use the calculations below)	
5.1	hours	T_{DRAIN} = Drain time = V / (A_{SA} * I_{DESIGN})	**≤ 72-hrs**
Calculate time to drain if system IS underdrained:			
	ft	E_{WQV} = Elevation of WQV (attach stage-storage table)	
	cfs	Q_{WQV} = Discharge at the E_{WQV} (attach stage-discharge table)	
-	hours	T_{DRAIN} = Drain time = 2WQV/Q_{WQV}	**≤ 72-hrs**
114.50	feet	E_{FC} = Elevation of the bottom of the filter course material[2]	
	feet	E_{UD} = Invert elevation of the underdrain (UD), if applicable	
112.08	feet	E_{SHWT} = Elevation of SHWT (if none found, enter the lowest elevation of the test pit)	
112.08	feet	E_{ROCK} = Elevation of bedrock (if none found, enter the lowest elevation of the test pit)	
114.50	feet	$D_{FC\ to\ UD}$ = Depth to UD from the bottom of the filter course	**≥ 1'**
2.42	feet	$D_{FC\ to\ ROCK}$ = Depth to bedrock from the bottom of the filter course	**≥ 1'**
2.42	feet	$D_{FC\ to\ SHWT}$ = Depth to SHWT from the bottom of the filter course	**≥ 1'**
120.93	ft	Peak elevation of the 50-year storm event (infiltration can be used in analysis)	
121.50	ft	Elevation of the top of the practice	
YES		50 peak elevation ≤ Elevation of the top of the practice	**← yes**
If a surface sand filter or underground sand filter is proposed:			
YES	ac	Drainage Area check.	**< 10 ac**
	cf	V = Volume of storage[3] (attach a stage-storage table)	**≥ 75%WQV**
	inches	D_{FC} = Filter course thickness	**18", or 24" if within GPA**
Sheet		Note what sheet in the plan set contains the filter course specification.	
	Yes/No	Access grate provided?	**← yes**

If a bioretention area is proposed:			
YES	ac	Drainage Area no larger than 5 ac?	**← yes**
15,345	cf	V = Volume of storage[3] (attach a stage-storage table)	**≥ WQV**
2.0	inches	D_{FC} = Filter course thickness	**18", or 24" if within GPA**
Sheet	P-106	Note what sheet in the plan set contains the filter course specification	
2.0	:1	Pond side slopes	**≥ 3:1**
Sheet	P-106	Note what sheet in the plan set contains the planting plans and surface cover	
If porous pavement is proposed:			
		Type of pavement proposed (Concrete? Asphalt? Pavers? Etc.)	
	acres	A_{SA} = Surface area of the pervious pavement	
	:1	Ratio of the contributing area to the pervious surface area	**≤ 5:1**
	inches	D_{FC} = Filter course thickness	**12", or 18" if within GPA mod. 304.1 (see spec)**
Sheet		Note what sheet in the plan set contains the filter course spec.	

1. Rate of the limiting layer (either the filter course or the underlying soil). $Ksat_{design}$ includes factor of safey. See Env-Wq 1504.14 for guidance on determining the infiltration rate.

2. See lines 34, 40 and 48 for required depths of filter media.

3. Volume without depending on infiltration. The volume includes the storage above the filter (but below the invert of the outlet stucture, if any), the filter media voids, and the pretreatment area. The storage above the filter media shall not include the volume above the outlet structure, if any.

Designer's Notes: The Water Quality Inlet recieves runoff from land area including less than one acre of impervious cover. A 7,500 gallon tank has been provided with more than 400 cf of storage provided in each of the first two compartments.

Inlet Sump #30 only recieves runoff from grassed, wooded, and roof areas and therefore does not require a sediment forebay.

Summary for Pond 106P: Infiltration Rain Garden #106

[87] Warning: Oscillations may require smaller dt or Finer Routing (severity=70)

Inflow Area = 2.929 ac, 29.14% Impervious, Inflow Depth > 0.66" for 2Yr-24Hr event
Inflow = 1.84 cfs @ 12.12 hrs, Volume= 0.162 af
Outflow = 0.28 cfs @ 11.95 hrs, Volume= 0.162 af, Atten= 85%, Lag= 0.0 min
Discarded = 0.28 cfs @ 11.95 hrs, Volume= 0.162 af
Primary = 0.00 cfs @ 0.00 hrs, Volume= 0.000 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Peak Elev= 115.22' @ 12.84 hrs Surf.Area= 4,050 sf Storage= 1,998 cf
Flood Elev= 121.50' Surf.Area= 4,050 sf Storage= 19,578 cf

Plug-Flow detention time= (not calculated: outflow precedes inflow)
Center-of-Mass det. time= 50.3 min (893.7 - 843.4)

Volume	Invert	Avail.Storage	Storage Description
#1	113.50'	1,620 cf	**Stone (Irregular)** Listed below (Recalc) 4,050 cf Overall x 40.0% Voids
#2	114.50'	1,046 cf	**BioMedia (Irregular)** Listed below (Recalc) -Impervious 5,232 cf Overall x 20.0% Voids
#3	116.50'	131 cf	**Loam (Irregular)** Listed below (Recalc) -Impervious 654 cf Overall x 20.0% Voids
#4	116.75'	16,781 cf	**Open Water Storage (Irregular)** Listed below (Recalc) -Impervious
		19,578 cf	Total Available Storage

Elevation (feet)	Surf.Area (sq-ft)	Perim. (feet)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)	Wet.Area (sq-ft)
113.50	4,050	346.1	0	0	4,050
114.50	4,050	346.1	4,050	4,050	4,396

Elevation (feet)	Surf.Area (sq-ft)	Perim. (feet)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)	Wet.Area (sq-ft)
114.50	2,616	325.2	0	0	2,616
116.50	2,616	325.2	5,232	5,232	3,266

Elevation (feet)	Surf.Area (sq-ft)	Perim. (feet)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)	Wet.Area (sq-ft)
116.50	2,616	325.2	0	0	2,616
116.75	2,616	325.2	654	654	2,697

Elevation (feet)	Surf.Area (sq-ft)	Perim. (feet)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)	Wet.Area (sq-ft)
116.75	2,616	325.2	0	0	2,616
117.00	2,716	327.4	666	666	2,756
118.00	3,093	335.5	2,902	3,569	3,297
119.00	3,477	343.5	3,283	6,852	3,847
120.00	3,870	351.6	3,672	10,524	4,414
121.00	4,271	359.6	4,069	14,593	4,990
121.50	4,483	363.8	2,188	16,781	5,291

Device	Routing	Invert	Outlet Devices
#1	Primary	120.90'	**25.0' long x 7.0' breadth 25' Spillway** Head (feet) 0.20 0.40 0.60 0.80 1.00 1.20 1.40 1.60 1.80 2.00 2.50 3.00 3.50 4.00 4.50 5.00 5.50 Coef. (English) 2.40 2.52 2.70 2.68 2.68 2.67 2.66 2.65 2.65 2.65 2.66 2.65 2.66 2.68 2.70 2.73 2.78
#2	Discarded	113.50'	**3.000 in/hr Infiltration over Surface area**

Discarded OutFlow Max=0.28 cfs @ 11.95 hrs HW=113.59' (Free Discharge)
└**2=Infiltration** (Exfiltration Controls 0.28 cfs)

Primary OutFlow Max=0.00 cfs @ 0.00 hrs HW=113.50' TW=0.00' (Dynamic Tailwater)
└**1=25' Spillway** (Controls 0.00 cfs)

Summary for Pond 106P: Infiltration Rain Garden #106

[80] Warning: Exceeded Pond D02P by 0.22' @ 12.30 hrs (1.52 cfs 0.378 af)
[80] Warning: Exceeded Pond W01P by 0.09' @ 12.50 hrs (2.56 cfs 0.221 af)

Inflow Area = 2.929 ac, 29.14% Impervious, Inflow Depth > 3.08" for 50Yr-24Hr event
Inflow = 8.28 cfs @ 12.13 hrs, Volume= 0.752 af
Outflow = 0.66 cfs @ 14.39 hrs, Volume= 0.406 af, Atten= 92%, Lag= 135.6 min
Discarded = 0.28 cfs @ 11.20 hrs, Volume= 0.352 af
Primary = 0.38 cfs @ 14.39 hrs, Volume= 0.053 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Peak Elev= 120.93' @ 14.39 hrs Surf.Area= 4,050 sf Storage= 17,110 cf
Flood Elev= 121.50' Surf.Area= 4,050 sf Storage= 19,578 cf

Plug-Flow detention time= (not calculated: outflow precedes inflow)
Center-of-Mass det. time= 137.9 min (971.6 - 833.7)

Volume	Invert	Avail.Storage	Storage Description
#1	113.50'	1,620 cf	**Stone (Irregular)** Listed below (Recalc) 4,050 cf Overall x 40.0% Voids
#2	114.50'	1,046 cf	**BioMedia (Irregular)** Listed below (Recalc) -Impervious 5,232 cf Overall x 20.0% Voids
#3	116.50'	131 cf	**Loam (Irregular)** Listed below (Recalc) -Impervious 654 cf Overall x 20.0% Voids
#4	116.75'	16,781 cf	**Open Water Storage (Irregular)** Listed below (Recalc) -Impervious
		19,578 cf	Total Available Storage

Elevation (feet)	Surf.Area (sq-ft)	Perim. (feet)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)	Wet.Area (sq-ft)
113.50	4,050	346.1	0	0	4,050
114.50	4,050	346.1	4,050	4,050	4,396

Elevation (feet)	Surf.Area (sq-ft)	Perim. (feet)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)	Wet.Area (sq-ft)
114.50	2,616	325.2	0	0	2,616
116.50	2,616	325.2	5,232	5,232	3,266

Elevation (feet)	Surf.Area (sq-ft)	Perim. (feet)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)	Wet.Area (sq-ft)
116.50	2,616	325.2	0	0	2,616
116.75	2,616	325.2	654	654	2,697

Elevation (feet)	Surf.Area (sq-ft)	Perim. (feet)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)	Wet.Area (sq-ft)
116.75	2,616	325.2	0	0	2,616
117.00	2,716	327.4	666	666	2,756
118.00	3,093	335.5	2,902	3,569	3,297
119.00	3,477	343.5	3,283	6,852	3,847
120.00	3,870	351.6	3,672	10,524	4,414
121.00	4,271	359.6	4,069	14,593	4,990
121.50	4,483	363.8	2,188	16,781	5,291

Device	Routing	Invert	Outlet Devices
#1	Primary	120.90'	**25.0' long x 7.0' breadth 25' Spillway** Head (feet) 0.20 0.40 0.60 0.80 1.00 1.20 1.40 1.60 1.80 2.00 2.50 3.00 3.50 4.00 4.50 5.00 5.50 Coef. (English) 2.40 2.52 2.70 2.68 2.68 2.67 2.66 2.65 2.65 2.65 2.66 2.65 2.66 2.68 2.70 2.73 2.78
#2	Discarded	113.50'	**3.000 in/hr Infiltration over Surface area**

Discarded OutFlow Max=0.28 cfs @ 11.20 hrs HW=113.58' (Free Discharge)
↑—**2=Infiltration** (Exfiltration Controls 0.28 cfs)

Primary OutFlow Max=0.38 cfs @ 14.39 hrs HW=120.93' TW=0.00' (Dynamic Tailwater)
↑—**1=25' Spillway** (Weir Controls 0.38 cfs @ 0.44 fps)

Stage-Area-Storage for Pond 106P: Infiltration Rain Garden #106

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
113.50	**4,050**	0
113.60	4,050	162
113.70	4,050	324
113.80	4,050	486
113.90	4,050	648
114.00	4,050	810
114.10	4,050	972
114.20	4,050	1,134
114.30	4,050	1,296
114.40	4,050	1,458
114.50	4,050	1,620
114.60	4,050	1,672
114.70	4,050	1,725
114.80	4,050	1,777
114.90	4,050	1,829
115.00	4,050	1,882
115.10	4,050	1,934
115.20	4,050	1,986
115.30	4,050	2,039
115.40	4,050	2,091
115.50	4,050	2,143
115.60	4,050	2,196
115.70	4,050	2,248
115.80	4,050	2,300
115.90	4,050	2,352
116.00	4,050	2,405
116.10	4,050	2,457
116.20	4,050	2,509
116.30	4,050	2,562
116.40	4,050	2,614
116.50	4,050	2,666
116.60	4,050	2,719
116.70	4,050	2,771
116.80	4,050	2,928
116.90	4,050	3,194
117.00	4,050	3,464
117.10	4,050	3,737
117.20	4,050	4,014
117.30	4,050	4,295
117.40	4,050	4,580
117.50	4,050	4,868
117.60	4,050	5,160
117.70	4,050	5,456
117.80	4,050	5,755
117.90	4,050	6,059
118.00	4,050	6,366
118.10	4,050	6,677
118.20	4,050	6,992
118.30	4,050	7,311
118.40	4,050	7,633
118.50	4,050	7,960
118.60	4,050	8,290
118.70	4,050	8,624
118.80	4,050	8,962
118.90	4,050	9,304
119.00	4,050	9,649
119.10	4,050	9,999
119.20	4,050	10,352
119.30	4,050	10,710
119.40	4,050	11,071
119.50	4,050	11,436
119.60	4,050	11,805
119.70	4,050	12,178
119.80	4,050	12,555
119.90	4,050	12,936
120.00	4,050	13,321
120.10	4,050	13,710
120.20	4,050	14,103
120.30	4,050	14,500
120.40	4,050	14,900
120.50	4,050	15,305
120.60	4,050	15,714
120.70	4,050	16,127
120.80	4,050	16,544
120.90	4,050	16,965
121.00	4,050	17,390
121.10	4,050	17,819
121.20	4,050	18,252
121.30	4,050	18,690
121.40	4,050	19,132
121.50	4,050	**19,578**

Spillway = 120.90'
Inv. bio Media = 114.50'

16,965 CF - 1,620 CF = 15,345 CF

United States Department of Agriculture

NRCS

Natural Resources Conservation Service

A product of the National Cooperative Soil Survey, a joint effort of the United States Department of Agriculture and other Federal agencies, State agencies including the Agricultural Experiment Stations, and local participants

Custom Soil Resource Report for Strafford County, New Hampshire



January 10, 2024

Preface

Soil surveys contain information that affects land use planning in survey areas. They highlight soil limitations that affect various land uses and provide information about the properties of the soils in the survey areas. Soil surveys are designed for many different users, including farmers, ranchers, foresters, agronomists, urban planners, community officials, engineers, developers, builders, and home buyers. Also, conservationists, teachers, students, and specialists in recreation, waste disposal, and pollution control can use the surveys to help them understand, protect, or enhance the environment.

Various land use regulations of Federal, State, and local governments may impose special restrictions on land use or land treatment. Soil surveys identify soil properties that are used in making various land use or land treatment decisions. The information is intended to help the land users identify and reduce the effects of soil limitations on various land uses. The landowner or user is responsible for identifying and complying with existing laws and regulations.

Although soil survey information can be used for general farm, local, and wider area planning, onsite investigation is needed to supplement this information in some cases. Examples include soil quality assessments (http://www.nrcs.usda.gov/wps/portal/nrcs/main/soils/health/) and certain conservation and engineering applications. For more detailed information, contact your local USDA Service Center (https://offices.sc.egov.usda.gov/locator/app?agency=nrcs) or your NRCS State Soil Scientist (http://www.nrcs.usda.gov/wps/portal/nrcs/detail/soils/contactus/?cid=nrcs142p2_053951).

Great differences in soil properties can occur within short distances. Some soils are seasonally wet or subject to flooding. Some are too unstable to be used as a foundation for buildings or roads. Clayey or wet soils are poorly suited to use as septic tank absorption fields. A high water table makes a soil poorly suited to basements or underground installations.

The National Cooperative Soil Survey is a joint effort of the United States Department of Agriculture and other Federal agencies, State agencies including the Agricultural Experiment Stations, and local agencies. The Natural Resources Conservation Service (NRCS) has leadership for the Federal part of the National Cooperative Soil Survey.

Information about soils is updated periodically. Updated information is available through the NRCS Web Soil Survey, the site for official soil survey information.

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How Soil Surveys Are Made

Soil surveys are made to provide information about the soils and miscellaneous areas in a specific area. They include a description of the soils and miscellaneous areas and their location on the landscape and tables that show soil properties and limitations affecting various uses. Soil scientists observed the steepness, length, and shape of the slopes; the general pattern of drainage; the kinds of crops and native plants; and the kinds of bedrock. They observed and described many soil profiles. A soil profile is the sequence of natural layers, or horizons, in a soil. The profile extends from the surface down into the unconsolidated material in which the soil formed or from the surface down to bedrock. The unconsolidated material is devoid of roots and other living organisms and has not been changed by other biological activity.

Currently, soils are mapped according to the boundaries of major land resource areas (MLRAs). MLRAs are geographically associated land resource units that share common characteristics related to physiography, geology, climate, water resources, soils, biological resources, and land uses (USDA, 2006). Soil survey areas typically consist of parts of one or more MLRA.

The soils and miscellaneous areas in a survey area occur in an orderly pattern that is related to the geology, landforms, relief, climate, and natural vegetation of the area. Each kind of soil and miscellaneous area is associated with a particular kind of landform or with a segment of the landform. By observing the soils and miscellaneous areas in the survey area and relating their position to specific segments of the landform, a soil scientist develops a concept, or model, of how they were formed. Thus, during mapping, this model enables the soil scientist to predict with a considerable degree of accuracy the kind of soil or miscellaneous area at a specific location on the landscape.

Commonly, individual soils on the landscape merge into one another as their characteristics gradually change. To construct an accurate soil map, however, soil scientists must determine the boundaries between the soils. They can observe only a limited number of soil profiles. Nevertheless, these observations, supplemented by an understanding of the soil-vegetation-landscape relationship, are sufficient to verify predictions of the kinds of soil in an area and to determine the boundaries.

Soil scientists recorded the characteristics of the soil profiles that they studied. They noted soil color, texture, size and shape of soil aggregates, kind and amount of rock fragments, distribution of plant roots, reaction, and other features that enable them to identify soils. After describing the soils in the survey area and determining their properties, the soil scientists assigned the soils to taxonomic classes (units). Taxonomic classes are concepts. Each taxonomic class has a set of soil characteristics with precisely defined limits. The classes are used as a basis for comparison to classify soils systematically. Soil taxonomy, the system of taxonomic classification used in the United States, is based mainly on the kind and character of soil properties and the arrangement of horizons within the profile. After the soil

scientists classified and named the soils in the survey area, they compared the individual soils with similar soils in the same taxonomic class in other areas so that they could confirm data and assemble additional data based on experience and research.

The objective of soil mapping is not to delineate pure map unit components; the objective is to separate the landscape into landforms or landform segments that have similar use and management requirements. Each map unit is defined by a unique combination of soil components and/or miscellaneous areas in predictable proportions. Some components may be highly contrasting to the other components of the map unit. The presence of minor components in a map unit in no way diminishes the usefulness or accuracy of the data. The delineation of such landforms and landform segments on the map provides sufficient information for the development of resource plans. If intensive use of small areas is planned, onsite investigation is needed to define and locate the soils and miscellaneous areas.

Soil scientists make many field observations in the process of producing a soil map. The frequency of observation is dependent upon several factors, including scale of mapping, intensity of mapping, design of map units, complexity of the landscape, and experience of the soil scientist. Observations are made to test and refine the soil-landscape model and predictions and to verify the classification of the soils at specific locations. Once the soil-landscape model is refined, a significantly smaller number of measurements of individual soil properties are made and recorded. These measurements may include field measurements, such as those for color, depth to bedrock, and texture, and laboratory measurements, such as those for content of sand, silt, clay, salt, and other components. Properties of each soil typically vary from one point to another across the landscape.

Observations for map unit components are aggregated to develop ranges of characteristics for the components. The aggregated values are presented. Direct measurements do not exist for every property presented for every map unit component. Values for some properties are estimated from combinations of other properties.

While a soil survey is in progress, samples of some of the soils in the area generally are collected for laboratory analyses and for engineering tests. Soil scientists interpret the data from these analyses and tests as well as the field-observed characteristics and the soil properties to determine the expected behavior of the soils under different uses. Interpretations for all of the soils are field tested through observation of the soils in different uses and under different levels of management. Some interpretations are modified to fit local conditions, and some new interpretations are developed to meet local needs. Data are assembled from other sources, such as research information, production records, and field experience of specialists. For example, data on crop yields under defined levels of management are assembled from farm records and from field or plot experiments on the same kinds of soil.

Predictions about soil behavior are based not only on soil properties but also on such variables as climate and biological activity. Soil conditions are predictable over long periods of time, but they are not predictable from year to year. For example, soil scientists can predict with a fairly high degree of accuracy that a given soil will have a high water table within certain depths in most years, but they cannot predict that a high water table will always be at a specific level in the soil on a specific date.

After soil scientists located and identified the significant natural bodies of soil in the survey area, they drew the boundaries of these bodies on aerial photographs and

identified each as a specific map unit. Aerial photographs show trees, buildings, fields, roads, and rivers, all of which help in locating boundaries accurately.

Soil Map

The soil map section includes the soil map for the defined area of interest, a list of soil map units on the map and extent of each map unit, and cartographic symbols displayed on the map. Also presented are various metadata about data used to produce the map, and a description of each soil map unit.

Custom Soil Resource Report
Soil Map



Map Scale: 1:5,530 if printed on A portrait (8.5" x 11") sheet.

N

Meters: 0 50 100 200 300

Feet: 0 250 500 1000 1500

Map projection: Web Mercator Corner coordinates: WGS84 Edge tics: UTM Zone 19N WGS84

MAP LEGEND

Area of Interest (AOI)
- Area of Interest (AOI)

Soils
- Soil Map Unit Polygons
- Soil Map Unit Lines
- Soil Map Unit Points

Special Point Features
- Blowout
- Borrow Pit
- Clay Spot
- Closed Depression
- Gravel Pit
- Gravelly Spot
- Landfill
- Lava Flow
- Marsh or swamp
- Mine or Quarry
- Miscellaneous Water
- Perennial Water
- Rock Outcrop
- Saline Spot
- Sandy Spot
- Severely Eroded Spot
- Sinkhole
- Slide or Slip
- Sodic Spot
- Spoil Area
- Stony Spot
- Very Stony Spot
- Wet Spot
- Other
- Special Line Features

Water Features
- Streams and Canals

Transportation
- Rails
- Interstate Highways
- US Routes
- Major Roads
- Local Roads

Background
- Aerial Photography

MAP INFORMATION

The soil surveys that comprise your AOI were mapped at 1:20,000.

Warning: Soil Map may not be valid at this scale.

Enlargement of maps beyond the scale of mapping can cause misunderstanding of the detail of mapping and accuracy of soil line placement. The maps do not show the small areas of contrasting soils that could have been shown at a more detailed scale.

Please rely on the bar scale on each map sheet for map measurements.

Source of Map: Natural Resources Conservation Service
Web Soil Survey URL:
Coordinate System: Web Mercator (EPSG:3857)

Maps from the Web Soil Survey are based on the Web Mercator projection, which preserves direction and shape but distorts distance and area. A projection that preserves area, such as the Albers equal-area conic projection, should be used if more accurate calculations of distance or area are required.

This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: Strafford County, New Hampshire
Survey Area Data: Version 24, Aug 22, 2023

Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.

Date(s) aerial images were photographed: Jun 19, 2020—Sep 20, 2020

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

Map Unit Legend

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
BzB	Buxton silt loam, 3 to 8 percent slopes	18.0	13.9%
DeB	Deerfield loamy fine sand, 3 to 8 percent slopes	2.2	1.7%
Gv	Gravel and borrow pits	6.0	4.6%
HaB	Hinckley loamy sand, 3 to 8 percent slopes	22.2	17.2%
HaC	Hinckley loamy sand, 8 to 15 percent slopes	13.2	10.2%
HbE	Hinckley loamy sand, 15 to 60 percent slopes	7.3	5.7%
HcB	Hollis-Charlton fine sandy loams, 3 to 8 percent slopes	1.5	1.1%
HcD	Hollis-Charlton fine sandy loams, 15 to 25 percent slopes	0.2	0.2%
Sb	Saugatuck loamy sand	19.5	15.1%
ScA	Scantic silt loam, 0 to 3 percent slopes	11.1	8.6%
SfC	Suffield silt loam, 8 to 15 percent slopes	1.5	1.2%
WdA	Windsor loamy sand, 0 to 3 percent slopes	0.5	0.4%
WfB	Windsor loamy fine sand, clay subsoil variant, 0 to 8 percent slopes	26.1	20.2%
Totals for Area of Interest		**129.4**	**100.0%**

Map Unit Descriptions

The map units delineated on the detailed soil maps in a soil survey represent the soils or miscellaneous areas in the survey area. The map unit descriptions, along with the maps, can be used to determine the composition and properties of a unit.

A map unit delineation on a soil map represents an area dominated by one or more major kinds of soil or miscellaneous areas. A map unit is identified and named according to the taxonomic classification of the dominant soils. Within a taxonomic class there are precisely defined limits for the properties of the soils. On the landscape, however, the soils are natural phenomena, and they have the characteristic variability of all natural phenomena. Thus, the range of some observed properties may extend beyond the limits defined for a taxonomic class. Areas of soils of a single taxonomic class rarely, if ever, can be mapped without including areas of other taxonomic classes. Consequently, every map unit is made

up of the soils or miscellaneous areas for which it is named and some minor components that belong to taxonomic classes other than those of the major soils.

Most minor soils have properties similar to those of the dominant soil or soils in the map unit, and thus they do not affect use and management. These are called noncontrasting, or similar, components. They may or may not be mentioned in a particular map unit description. Other minor components, however, have properties and behavioral characteristics divergent enough to affect use or to require different management. These are called contrasting, or dissimilar, components. They generally are in small areas and could not be mapped separately because of the scale used. Some small areas of strongly contrasting soils or miscellaneous areas are identified by a special symbol on the maps. If included in the database for a given area, the contrasting minor components are identified in the map unit descriptions along with some characteristics of each. A few areas of minor components may not have been observed, and consequently they are not mentioned in the descriptions, especially where the pattern was so complex that it was impractical to make enough observations to identify all the soils and miscellaneous areas on the landscape.

The presence of minor components in a map unit in no way diminishes the usefulness or accuracy of the data. The objective of mapping is not to delineate pure taxonomic classes but rather to separate the landscape into landforms or landform segments that have similar use and management requirements. The delineation of such segments on the map provides sufficient information for the development of resource plans. If intensive use of small areas is planned, however, onsite investigation is needed to define and locate the soils and miscellaneous areas.

An identifying symbol precedes the map unit name in the map unit descriptions. Each description includes general facts about the unit and gives important soil properties and qualities.

Soils that have profiles that are almost alike make up a *soil series*. Except for differences in texture of the surface layer, all the soils of a series have major horizons that are similar in composition, thickness, and arrangement.

Soils of one series can differ in texture of the surface layer, slope, stoniness, salinity, degree of erosion, and other characteristics that affect their use. On the basis of such differences, a soil series is divided into *soil phases*. Most of the areas shown on the detailed soil maps are phases of soil series. The name of a soil phase commonly indicates a feature that affects use or management. For example, Alpha silt loam, 0 to 2 percent slopes, is a phase of the Alpha series.

Some map units are made up of two or more major soils or miscellaneous areas. These map units are complexes, associations, or undifferentiated groups.

A *complex* consists of two or more soils or miscellaneous areas in such an intricate pattern or in such small areas that they cannot be shown separately on the maps. The pattern and proportion of the soils or miscellaneous areas are somewhat similar in all areas. Alpha-Beta complex, 0 to 6 percent slopes, is an example.

An *association* is made up of two or more geographically associated soils or miscellaneous areas that are shown as one unit on the maps. Because of present or anticipated uses of the map units in the survey area, it was not considered practical or necessary to map the soils or miscellaneous areas separately. The pattern and relative proportion of the soils or miscellaneous areas are somewhat similar. Alpha-Beta association, 0 to 2 percent slopes, is an example.

An *undifferentiated group* is made up of two or more soils or miscellaneous areas that could be mapped individually but are mapped as one unit because similar interpretations can be made for use and management. The pattern and proportion of the soils or miscellaneous areas in a mapped area are not uniform. An area can be made up of only one of the major soils or miscellaneous areas, or it can be made up of all of them. Alpha and Beta soils, 0 to 2 percent slopes, is an example.

Some surveys include *miscellaneous areas*. Such areas have little or no soil material and support little or no vegetation. Rock outcrop is an example.

Strafford County, New Hampshire

BzB—Buxton silt loam, 3 to 8 percent slopes

Map Unit Setting

National map unit symbol: 9d6p
Elevation: 0 to 260 feet
Mean annual precipitation: 36 to 71 inches
Mean annual air temperature: 39 to 55 degrees F
Frost-free period: 140 to 240 days
Farmland classification: All areas are prime farmland

Map Unit Composition

Buxton and similar soils: 85 percent
Minor components: 15 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Buxton

Setting

Parent material: Glaciomarine

Typical profile

H1 - 0 to 10 inches: silt loam
H2 - 10 to 28 inches: silty clay loam
H3 - 28 to 43 inches: silty clay

Properties and qualities

Slope: 3 to 8 percent
Depth to restrictive feature: More than 80 inches
Drainage class: Moderately well drained
Runoff class: Very high
Capacity of the most limiting layer to transmit water (Ksat): Moderately low to moderately high (0.06 to 0.20 in/hr)
Depth to water table: About 12 to 24 inches
Frequency of flooding: None
Frequency of ponding: None
Available water supply, 0 to 60 inches: Moderate (about 7.5 inches)

Interpretive groups

Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 2e
Hydrologic Soil Group: C/D
Ecological site: F145XY006CT - Semi-Rich Moist Lake Plain
Hydric soil rating: No

Minor Components

Elmwood

Percent of map unit: 10 percent
Hydric soil rating: No

Not named

Percent of map unit: 5 percent
Hydric soil rating: No

DeB—Deerfield loamy fine sand, 3 to 8 percent slopes

Map Unit Setting

National map unit symbol: 2xfg9
Elevation: 0 to 1,190 feet
Mean annual precipitation: 36 to 71 inches
Mean annual air temperature: 39 to 55 degrees F
Frost-free period: 145 to 240 days
Farmland classification: Farmland of local importance

Map Unit Composition

Deerfield and similar soils: 85 percent
Minor components: 15 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Deerfield

Setting

Landform: Kame terraces, outwash plains, outwash terraces, outwash deltas
Landform position (three-dimensional): Tread
Down-slope shape: Concave, convex, linear
Across-slope shape: Convex, linear, concave
Parent material: Sandy outwash derived from granite, gneiss, and/or quartzite

Typical profile

Ap - 0 to 9 inches: loamy fine sand
Bw - 9 to 25 inches: loamy fine sand
BC - 25 to 33 inches: fine sand
Cg - 33 to 60 inches: sand

Properties and qualities

Slope: 3 to 8 percent
Depth to restrictive feature: More than 80 inches
Drainage class: Moderately well drained
Runoff class: Very low
Capacity of the most limiting layer to transmit water (Ksat): Moderately high to very high (1.42 to 99.90 in/hr)
Depth to water table: About 15 to 37 inches
Frequency of flooding: None
Frequency of ponding: None
Maximum salinity: Nonsaline (0.0 to 1.9 mmhos/cm)
Sodium adsorption ratio, maximum: 11.0
Available water supply, 0 to 60 inches: Moderate (about 6.5 inches)

Interpretive groups

Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 2w
Hydrologic Soil Group: A
Ecological site: F144AY027MA - Moist Sandy Outwash
Hydric soil rating: No

Minor Components

Windsor

Percent of map unit: 7 percent
Landform: Outwash deltas, kame terraces, outwash plains, outwash terraces
Landform position (three-dimensional): Tread
Down-slope shape: Concave, convex, linear
Across-slope shape: Convex, linear, concave
Hydric soil rating: No

Wareham

Percent of map unit: 5 percent
Landform: Depressions, drainageways
Down-slope shape: Concave
Across-slope shape: Concave
Hydric soil rating: Yes

Sudbury

Percent of map unit: 2 percent
Landform: Outwash plains, outwash terraces, outwash deltas, kame terraces
Landform position (three-dimensional): Tread
Down-slope shape: Concave, convex, linear
Across-slope shape: Convex, linear, concave
Hydric soil rating: No

Ninigret

Percent of map unit: 1 percent
Landform: Kame terraces, outwash terraces, outwash plains
Landform position (three-dimensional): Tread
Down-slope shape: Convex, linear
Across-slope shape: Convex, concave
Hydric soil rating: No

Gv—Gravel and borrow pits

Map Unit Setting

National map unit symbol: 9d7c
Mean annual precipitation: 36 to 71 inches
Mean annual air temperature: 39 to 55 degrees F
Frost-free period: 140 to 240 days
Farmland classification: Not prime farmland

Map Unit Composition

Gravel and borrow pits: 100 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Gravel And Borrow Pits

Typical profile

H1 - 0 to 6 inches: extremely gravelly sand

H2 - 6 to 60 inches: extremely gravelly sand

Interpretive groups

Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 8s
Hydric soil rating: Unranked

HaB—Hinckley loamy sand, 3 to 8 percent slopes

Map Unit Setting

National map unit symbol: 2svm8
Elevation: 0 to 1,430 feet
Mean annual precipitation: 36 to 53 inches
Mean annual air temperature: 39 to 55 degrees F
Frost-free period: 140 to 250 days
Farmland classification: Not prime farmland

Map Unit Composition

Hinckley and similar soils: 85 percent
Minor components: 15 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Hinckley

Setting

Landform: Outwash plains, eskers, moraines, kame terraces, kames, outwash terraces, outwash deltas
Landform position (two-dimensional): Summit, shoulder, backslope, footslope
Landform position (three-dimensional): Nose slope, side slope, base slope, crest, riser, tread
Down-slope shape: Concave, convex, linear
Across-slope shape: Convex, linear, concave
Parent material: Sandy and gravelly glaciofluvial deposits derived from gneiss and/or granite and/or schist

Typical profile

Oe - 0 to 1 inches: moderately decomposed plant material
A - 1 to 8 inches: loamy sand
Bw1 - 8 to 11 inches: gravelly loamy sand
Bw2 - 11 to 16 inches: gravelly loamy sand
BC - 16 to 19 inches: very gravelly loamy sand
C - 19 to 65 inches: very gravelly sand

Properties and qualities

Slope: 3 to 8 percent
Depth to restrictive feature: More than 80 inches
Drainage class: Excessively drained
Runoff class: Very low
Capacity of the most limiting layer to transmit water (Ksat): Moderately high to very high (1.42 to 99.90 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None

Frequency of ponding: None
Maximum salinity: Nonsaline (0.0 to 1.9 mmhos/cm)
Available water supply, 0 to 60 inches: Very low (about 3.0 inches)

Interpretive groups

Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 3s
Hydrologic Soil Group: A
Ecological site: F144AY022MA - Dry Outwash
Hydric soil rating: No

Minor Components

Windsor

Percent of map unit: 8 percent
Landform: Kame terraces, outwash plains, kames, eskers, moraines, outwash terraces, outwash deltas
Landform position (two-dimensional): Summit, shoulder, backslope, footslope
Landform position (three-dimensional): Nose slope, side slope, base slope, crest, riser, tread
Down-slope shape: Concave, convex, linear
Across-slope shape: Convex, linear, concave
Hydric soil rating: No

Sudbury

Percent of map unit: 5 percent
Landform: Kame terraces, outwash plains, moraines, outwash terraces, outwash deltas
Landform position (two-dimensional): Backslope, footslope
Landform position (three-dimensional): Head slope, side slope, base slope, tread
Down-slope shape: Concave, linear
Across-slope shape: Concave, linear
Hydric soil rating: No

Agawam

Percent of map unit: 2 percent
Landform: Kame terraces, outwash plains, kames, eskers, moraines, outwash terraces, outwash deltas
Landform position (two-dimensional): Summit, shoulder, backslope, footslope
Landform position (three-dimensional): Nose slope, side slope, base slope, crest, riser, tread
Down-slope shape: Concave, convex, linear
Across-slope shape: Convex, linear, concave
Hydric soil rating: No

HaC—Hinckley loamy sand, 8 to 15 percent slopes

Map Unit Setting

National map unit symbol: 2svm9
Elevation: 0 to 1,480 feet
Mean annual precipitation: 36 to 71 inches

Mean annual air temperature: 39 to 55 degrees F
Frost-free period: 140 to 240 days
Farmland classification: Not prime farmland

Map Unit Composition

Hinckley and similar soils: 85 percent
Minor components: 15 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Hinckley

Setting

Landform: Kame terraces, outwash plains, kames, eskers, moraines, outwash terraces, outwash deltas
Landform position (two-dimensional): Shoulder, backslope, footslope, toeslope
Landform position (three-dimensional): Head slope, nose slope, side slope, crest, riser
Down-slope shape: Concave, convex, linear
Across-slope shape: Convex, linear, concave
Parent material: Sandy and gravelly glaciofluvial deposits derived from gneiss and/or granite and/or schist

Typical profile

Oe - 0 to 1 inches: moderately decomposed plant material
A - 1 to 8 inches: loamy sand
Bw1 - 8 to 11 inches: gravelly loamy sand
Bw2 - 11 to 16 inches: gravelly loamy sand
BC - 16 to 19 inches: very gravelly loamy sand
C - 19 to 65 inches: very gravelly sand

Properties and qualities

Slope: 8 to 15 percent
Depth to restrictive feature: More than 80 inches
Drainage class: Excessively drained
Runoff class: Very low
Capacity of the most limiting layer to transmit water (Ksat): Moderately high to very high (1.42 to 99.90 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Maximum salinity: Nonsaline (0.0 to 1.9 mmhos/cm)
Available water supply, 0 to 60 inches: Low (about 3.1 inches)

Interpretive groups

Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 4e
Hydrologic Soil Group: A
Ecological site: F144AY022MA - Dry Outwash
Hydric soil rating: No

Minor Components

Merrimac

Percent of map unit: 5 percent
Landform: Eskers, moraines, outwash terraces, outwash plains, kames
Landform position (two-dimensional): Shoulder, backslope, footslope, toeslope

Landform position (three-dimensional): Head slope, nose slope, side slope, crest, riser
Down-slope shape: Convex
Across-slope shape: Convex
Hydric soil rating: No

Sudbury

Percent of map unit: 5 percent
Landform: Outwash terraces, kame terraces, outwash plains, moraines, outwash deltas
Landform position (two-dimensional): Backslope, footslope
Landform position (three-dimensional): Base slope, tread
Down-slope shape: Concave, linear
Across-slope shape: Concave, linear
Hydric soil rating: No

Windsor

Percent of map unit: 5 percent
Landform: Kame terraces, outwash plains, outwash terraces, outwash deltas, kames, eskers, moraines
Landform position (two-dimensional): Shoulder, backslope, footslope, toeslope
Landform position (three-dimensional): Head slope, nose slope, side slope, crest, riser
Down-slope shape: Concave, convex, linear
Across-slope shape: Convex, linear, concave
Hydric soil rating: No

HbE—Hinckley loamy sand, 15 to 60 percent slopes

Map Unit Setting

National map unit symbol: 2svmh
Elevation: 0 to 890 feet
Mean annual precipitation: 36 to 71 inches
Mean annual air temperature: 39 to 55 degrees F
Frost-free period: 145 to 240 days
Farmland classification: Not prime farmland

Map Unit Composition

Hinckley and similar soils: 85 percent
Minor components: 15 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Hinckley

Setting

Landform: Kame terraces, outwash plains, kames, eskers, moraines, outwash terraces, outwash deltas
Landform position (two-dimensional): Backslope
Landform position (three-dimensional): Head slope, nose slope, side slope, crest, riser

Down-slope shape: Concave, convex, linear
Across-slope shape: Convex, linear, concave
Parent material: Sandy and gravelly glaciofluvial deposits derived from gneiss and/or granite and/or schist

Typical profile

Oe - 0 to 1 inches: moderately decomposed plant material
A - 1 to 8 inches: loamy sand
Bw1 - 8 to 11 inches: gravelly loamy sand
Bw2 - 11 to 16 inches: gravelly loamy sand
BC - 16 to 19 inches: very gravelly loamy sand
C - 19 to 65 inches: very gravelly sand

Properties and qualities

Slope: 15 to 60 percent
Depth to restrictive feature: More than 80 inches
Drainage class: Excessively drained
Runoff class: Low
Capacity of the most limiting layer to transmit water (Ksat): Moderately high to very high (1.42 to 99.90 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Maximum salinity: Nonsaline (0.0 to 1.9 mmhos/cm)
Available water supply, 0 to 60 inches: Low (about 3.1 inches)

Interpretive groups

Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 7e
Hydrologic Soil Group: A
Ecological site: F144AY022MA - Dry Outwash
Hydric soil rating: No

Minor Components

Windsor

Percent of map unit: 10 percent
Landform: Outwash plains, outwash deltas, kame terraces, kames, eskers, moraines, outwash terraces
Landform position (two-dimensional): Backslope
Landform position (three-dimensional): Head slope, nose slope, side slope, crest, riser
Down-slope shape: Concave, convex, linear
Across-slope shape: Convex, linear, concave
Hydric soil rating: No

Merrimac

Percent of map unit: 5 percent
Landform: Kames, eskers, moraines, outwash terraces, outwash plains
Landform position (two-dimensional): Backslope
Landform position (three-dimensional): Head slope, nose slope, side slope, crest, riser
Down-slope shape: Concave, convex, linear
Across-slope shape: Convex, linear, concave
Hydric soil rating: No

HcB—Hollis-Charlton fine sandy loams, 3 to 8 percent slopes

Map Unit Setting

National map unit symbol: 9d7j
Elevation: 0 to 1,020 feet
Mean annual precipitation: 36 to 71 inches
Mean annual air temperature: 39 to 55 degrees F
Frost-free period: 120 to 240 days
Farmland classification: Farmland of local importance

Map Unit Composition

Hollis and similar soils: 55 percent
Charlton and similar soils: 35 percent
Minor components: 10 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Hollis

Setting

Parent material: Till

Typical profile

H1 - 0 to 14 inches: fine sandy loam
H2 - 14 to 18 inches: bedrock

Properties and qualities

Slope: 3 to 8 percent
Depth to restrictive feature: 10 to 20 inches to lithic bedrock
Drainage class: Well drained
Runoff class: Very high
Capacity of the most limiting layer to transmit water (Ksat): Moderately high to high (0.60 to 6.00 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Available water supply, 0 to 60 inches: Very low (about 2.3 inches)

Interpretive groups

Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 3e
Hydrologic Soil Group: D
Ecological site: F144AY033MA - Shallow Dry Till Uplands
Hydric soil rating: No

Description of Charlton

Setting

Parent material: Till

Typical profile

H1 - 0 to 13 inches: fine sandy loam

H2 - 13 to 36 inches: fine sandy loam
H3 - 36 to 40 inches: gravelly loamy sand

Properties and qualities

Slope: 3 to 8 percent
Depth to restrictive feature: More than 80 inches
Drainage class: Well drained
Runoff class: Low
Capacity of the most limiting layer to transmit water (Ksat): High (2.00 to 6.00 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Available water supply, 0 to 60 inches: Low (about 5.2 inches)

Interpretive groups

Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 2e
Hydrologic Soil Group: A
Ecological site: F144AY034CT - Well Drained Till Uplands
Hydric soil rating: No

Minor Components

Not named

Percent of map unit: 5 percent
Hydric soil rating: No

Buxton

Percent of map unit: 5 percent
Hydric soil rating: No

HcD—Hollis-Charlton fine sandy loams, 15 to 25 percent slopes

Map Unit Setting

National map unit symbol: 9d7l
Elevation: 0 to 1,000 feet
Mean annual precipitation: 36 to 71 inches
Mean annual air temperature: 39 to 55 degrees F
Frost-free period: 120 to 240 days
Farmland classification: Not prime farmland

Map Unit Composition

Hollis and similar soils: 55 percent
Charlton and similar soils: 35 percent
Minor components: 10 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Hollis

Setting

Parent material: Till

Typical profile

H1 - 0 to 14 inches: fine sandy loam
H2 - 14 to 18 inches: bedrock

Properties and qualities

Slope: 15 to 25 percent
Depth to restrictive feature: 10 to 20 inches to lithic bedrock
Drainage class: Well drained
Runoff class: Very high
Capacity of the most limiting layer to transmit water (Ksat): Moderately high to high (0.60 to 6.00 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Available water supply, 0 to 60 inches: Very low (about 2.3 inches)

Interpretive groups

Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 6e
Hydrologic Soil Group: D
Ecological site: F144AY033MA - Shallow Dry Till Uplands
Hydric soil rating: No

Description of Charlton

Setting

Parent material: Till

Typical profile

H1 - 0 to 13 inches: fine sandy loam
H2 - 13 to 36 inches: fine sandy loam
H3 - 36 to 40 inches: gravelly loamy sand

Properties and qualities

Slope: 15 to 25 percent
Depth to restrictive feature: More than 80 inches
Drainage class: Well drained
Runoff class: Medium
Capacity of the most limiting layer to transmit water (Ksat): High (2.00 to 6.00 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Available water supply, 0 to 60 inches: Low (about 5.2 inches)

Interpretive groups

Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 4e
Hydrologic Soil Group: A
Ecological site: F144AY034CT - Well Drained Till Uplands
Hydric soil rating: No

Minor Components

Not named

Percent of map unit: 10 percent
Hydric soil rating: No

Sb—Saugatuck loamy sand

Map Unit Setting

National map unit symbol: 9d8r
Elevation: 300 to 1,000 feet
Mean annual precipitation: 27 to 71 inches
Mean annual air temperature: 39 to 55 degrees F
Frost-free period: 125 to 240 days
Farmland classification: Not prime farmland

Map Unit Composition

Saugatuck and similar soils: 85 percent
Minor components: 15 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Saugatuck

Setting

Landform: Outwash terraces
Parent material: Outwash

Typical profile

H1 - 0 to 4 inches: loamy sand
H2 - 4 to 7 inches: sand
H3 - 7 to 26 inches: loamy sand
H4 - 26 to 42 inches: sand

Properties and qualities

Slope: 0 to 3 percent
Depth to restrictive feature: 10 to 16 inches to undefined
Drainage class: Poorly drained
Runoff class: High
Capacity of the most limiting layer to transmit water (Ksat): Moderately high to high (0.60 to 2.00 in/hr)
Depth to water table: About 0 to 12 inches
Frequency of flooding: None
Frequency of ponding: None
Available water supply, 0 to 60 inches: Very low (about 1.1 inches)

Interpretive groups

Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 4w
Hydrologic Soil Group: B/D

Ecological site: F144AY028MA - Wet Outwash
Hydric soil rating: Yes

Minor Components

Not named wet
Percent of map unit: 15 percent
Landform: Outwash terraces
Hydric soil rating: Yes

ScA—Scantic silt loam, 0 to 3 percent slopes

Map Unit Setting
National map unit symbol: 9d8s
Elevation: 0 to 260 feet
Mean annual precipitation: 36 to 71 inches
Mean annual air temperature: 39 to 55 degrees F
Frost-free period: 140 to 240 days
Farmland classification: Farmland of local importance

Map Unit Composition
Scantic and similar soils: 85 percent
Minor components: 15 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Scantic

Setting
Landform: Marine terraces

Typical profile
H1 - 0 to 13 inches: silt loam
H2 - 13 to 23 inches: silty clay loam
H3 - 23 to 40 inches: silty clay

Properties and qualities
Slope: 0 to 3 percent
Depth to restrictive feature: More than 80 inches
Drainage class: Poorly drained
Runoff class: Medium
Capacity of the most limiting layer to transmit water (Ksat): Very low to moderately high (0.00 to 0.20 in/hr)
Depth to water table: About 0 to 12 inches
Frequency of flooding: None
Frequency of ponding: None
Available water supply, 0 to 60 inches: Moderate (about 6.4 inches)

Interpretive groups
Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 4w
Hydrologic Soil Group: C/D

Ecological site: F144AY019NH - Wet Lake Plain
Hydric soil rating: Yes

Minor Components

Swanton
Percent of map unit: 5 percent
Landform: Marine terraces
Hydric soil rating: Yes

Not named wet
Percent of map unit: 5 percent
Landform: Marine terraces
Hydric soil rating: Yes

Biddeford
Percent of map unit: 5 percent
Landform: Marine terraces
Hydric soil rating: Yes

SfC—Suffield silt loam, 8 to 15 percent slopes

Map Unit Setting
National map unit symbol: 9d8v
Elevation: 0 to 250 feet
Mean annual precipitation: 36 to 71 inches
Mean annual air temperature: 39 to 55 degrees F
Frost-free period: 140 to 240 days
Farmland classification: Farmland of statewide importance

Map Unit Composition
Suffield and similar soils: 85 percent
Minor components: 15 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Suffield

Typical profile
H1 - 0 to 19 inches: silt loam
H2 - 19 to 28 inches: silt loam
H3 - 28 to 41 inches: silty clay

Properties and qualities
Slope: 8 to 15 percent
Depth to restrictive feature: More than 80 inches
Drainage class: Well drained
Runoff class: High
Capacity of the most limiting layer to transmit water (Ksat): Very low to moderately high (0.00 to 0.20 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None

Frequency of ponding: None
Available water supply, 0 to 60 inches: Moderate (about 7.4 inches)

Interpretive groups

Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 3e
Hydrologic Soil Group: C
Ecological site: F144AY017NH - Well Drained Lake Plain
Hydric soil rating: No

Minor Components

Not named

Percent of map unit: 9 percent
Hydric soil rating: No

Buxton

Percent of map unit: 5 percent
Hydric soil rating: No

Rock outcrop

Percent of map unit: 1 percent
Hydric soil rating: No

WdA—Windsor loamy sand, 0 to 3 percent slopes

Map Unit Setting

National map unit symbol: 2svkg
Elevation: 0 to 990 feet
Mean annual precipitation: 36 to 71 inches
Mean annual air temperature: 39 to 55 degrees F
Frost-free period: 140 to 240 days
Farmland classification: Farmland of local importance

Map Unit Composition

Windsor, loamy sand, and similar soils: 85 percent
Minor components: 15 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Windsor, Loamy Sand

Setting

Landform: Dunes, deltas, outwash terraces, outwash plains
Landform position (three-dimensional): Tread, riser
Down-slope shape: Convex, linear
Across-slope shape: Convex, linear
Parent material: Loose sandy glaciofluvial deposits derived from granite and/or loose sandy glaciofluvial deposits derived from schist and/or loose sandy glaciofluvial deposits derived from gneiss

Typical profile

O - 0 to 1 inches: moderately decomposed plant material

A - 1 to 3 inches: loamy sand
Bw - 3 to 25 inches: loamy sand
C - 25 to 65 inches: sand

Properties and qualities

Slope: 0 to 3 percent
Depth to restrictive feature: More than 80 inches
Drainage class: Excessively drained
Runoff class: Low
Capacity of the most limiting layer to transmit water (Ksat): Moderately high to very high (1.42 to 99.90 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Maximum salinity: Nonsaline (0.0 to 1.9 mmhos/cm)
Available water supply, 0 to 60 inches: Low (about 3.6 inches)

Interpretive groups

Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 2s
Hydrologic Soil Group: A
Ecological site: F144AY022MA - Dry Outwash
Hydric soil rating: No

Minor Components

Deerfield, loamy sand

Percent of map unit: 10 percent
Landform: Outwash plains, terraces, deltas
Landform position (two-dimensional): Footslope
Landform position (three-dimensional): Tread, talf
Down-slope shape: Linear
Across-slope shape: Linear
Hydric soil rating: No

Hinckley, loamy sand

Percent of map unit: 5 percent
Landform: Outwash plains, eskers, kames, deltas
Landform position (two-dimensional): Summit, shoulder, backslope
Landform position (three-dimensional): Head slope, nose slope, side slope, crest, rise
Down-slope shape: Convex
Across-slope shape: Linear, convex
Hydric soil rating: No

WfB—Windsor loamy fine sand, clay subsoil variant, 0 to 8 percent slopes

Map Unit Setting

National map unit symbol: 9d9b
Elevation: 0 to 280 feet

Mean annual precipitation: 36 to 71 inches
Mean annual air temperature: 39 to 55 degrees F
Frost-free period: 140 to 240 days
Farmland classification: All areas are prime farmland

Map Unit Composition

Windsor variant and similar soils: 85 percent
Minor components: 15 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Windsor Variant

Typical profile

H1 - 0 to 26 inches: loamy fine sand
H2 - 26 to 30 inches: loamy sand
H3 - 30 to 42 inches: silt loam

Properties and qualities

Slope: 0 to 8 percent
Depth to restrictive feature: More than 80 inches
Drainage class: Well drained
Runoff class: Low
Capacity of the most limiting layer to transmit water (Ksat): Moderately high (0.20 to 0.60 in/hr)
Depth to water table: About 24 to 36 inches
Frequency of flooding: None
Frequency of ponding: None
Available water supply, 0 to 60 inches: Low (about 5.1 inches)

Interpretive groups

Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 3s
Hydrologic Soil Group: A
Ecological site: F144AY022MA - Dry Outwash
Hydric soil rating: No

Minor Components

Not named

Percent of map unit: 15 percent
Hydric soil rating: No

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Job # 24-008

Site Specific Soil Survey 2/16/24
Map H Lot 47-A
Cold Springs Road Dover, NH

Dear Chris,

This letter report presents the findings of a Site Specific Soil Survey conducted on the referenced properties by John P. Hayes III on February 16, 2024. The soil survey was conducted in accordance with the New Hampshire Supplement of the Site-Specific Soil Mapping Standard For New Hampshire and Vermont, Special Publication # 3, Version 7.0 July 2021, published by the Society of Soil Scientist of Northern New England. Soil series information was also taken from the Soil Survey of Strafford County New Hampshire issued March 1973.

The property that is the subject of the soil survey is located on the southeast side of Cold Springs Road, east of Bellamy Road, and south of Lisa Beth Drive, in Dover NH. The Lot is approximately 2.7 acres in size. The plans used for these soil maps are a 30 scale plan, where 1 inch equals 30 feet, with one foot contours.

The purpose of the soil survey is to provide the client with soils information for urban and suburban or rural land planning. Soil characteristics on the property were evaluated through observation of numerous test pits, and hand auger probes conducted throughout the property. Slope phases were determined with the use of the topography provided on the plan. The Site-specific Soil Map Units identified are taken from the New Hampshire State-Wide Numerical Soils Legend, Issue #10 January 2011, and are briefly described below. Official Series Descriptions (OSD) for each of these soil series are enclosed with this report. The soil map units comply with the Range In Characteristics described in the OSD. Any limiting inclusions on the site, do not exceed 15 percent of any of the soil map units. Dissimilar inclusions, if any, will be noted in the report. Limits of the Site Specific mapping units are highlighted on the plan. The Hydrological Soil Groups for each of the soil series was determined using SSSNNE Publication No. 5 Ksat Values for New Hampshire Soils September 2009. Limits of the Site Specific mapping units are highlighted on the plan.

Portions of the soil map with the map unit denominator of P contain poorly drained soils. Portions of the soil map with the map unit 400 (ED), contain disturbed soils that have been excavated and/or regraded. These soils are excessively drained, and sandy in texture. Portions of the soil map with the map unit 400 (MWD), contain disturbed soils that have been excavated and/or regraded. These soils are moderately well drained, and are sandy in texture. Portions of the soil map with the map unit 900/P, contain disturbed soils that have been excavated down to, or near the water table, and are poorly drained, and are sandy in texture. A Disturbed Soil Mapping Unit Supplement for New Hampshire DES AoT Site Specific Soil Maps is also included. This supplement explains the additional information given about each disturbed soil map units that are present on the site.

MAP UNIT #	SOIL TAXANOMIC NAME	SLOPES	HYDRO LOGIC SOIL GROUP	DESCRIPTION
26	**Windsor**	**C D E**	**A**	The Windsor series consists of very deep, excessively drained soils formed in sandy outwash or eolian deposits. These soils are located in the undisturbed areas, on the southwestern portion, and in the southeastern corner of the property. A typical soil profile of these soils onsite would be: 0-10 inches 10YR 3/2 loamy sand granular, friable. 10-16 inches 7.5YR 5/6 loamy sand granular, friable. 16-30 inches 10YR 5/6 loamy sand granular friable 30-40 inches 10 YR 5/4 sand single grain loose. These soils are deep to bedrock. Saturated hydraulic conductivity is high or very high. Some inclusions of moderately werll drained Windsor Variant soils may be present, but are less than 10 percent of the mapped area. Estimated seasonal high water tables in these soils are greater than 40 inches.
327	**Windsor Variant (clay subsoil)**	**A B C**	**C**	The Windsor Variant (clay subsoil) consists of very deep, moderately well drained soils that have sandy soils that are underlain by silt and clay deposits. These soils are located on the northern end of the property. A typical soil profile of these soils onsite would be: 0-10 inches 10YR 3/2 loamy sand granular, friable. 10-16 inches 10YR 5/6 loamy sand granular friable 16-30 inches 2.5Y 5/4 loamy sand granular friable. 30-40 inches 5Y 5/3 silt loam with redoximorphic features present blocky firm These soils are deep to bedrock. Pearmeability of this soil is moderately slow. Some inclusions of excessively drained Windsor soils may be present, but are less than 10 percent of the mapped area. Estimated seasonal high water tables in these soils range from 24 to 40 inches.
400 (ED) (abada)	**Udorthents (sandy or gravelly) (excessively drained)**	**A B C D E**	**A**	This soil mapping unit represents Udorthents that are disturbed soils that have been excavated and/or regraded. They are excessively drained and are sandy in texture. These soils are located throughout the majority of the property. These disturbed soils are mostly derived from the surrounding Windsor soil series. A typical soil profile of these soils onsite would be: 0-4 inches 10YR 3/3 loamy sand granular, friable. 4-24 inches 10 YR 5/6 loamy sand granular, friable. 24-34 inches 10YR 5/4 loamy sand granular friable

MAP UNIT #	SOIL TAXANOMIC NAME	SLOPES	HYDRO LOGIC SOIL GROUP	DESCRIPTION
400 (ED) (abada)	**Udorthents (sandy or gravelly) (excessively drained)**	**A B C D E**	**A**	34-40 10 YR 6/3 sand with redoximorphic features present granular friable. These soils are deep to bedrock. Saturated hydraulic conductivity is high or very high. Some inclusions of the moderately werll drained Windsor Variant soils may be present, but are less than 10 percent of the mapped area.Estimated seasonal high water tables in these soils is greater than 40 inches.
400 (MWD) (decdc)	**Udorthents (sandy or gravelly over silt loam moderately well drained)**	**A B**	**A**	This soil mapping unit represents Udorthents are disturbed soils that have been excavated and/or regraded, and have a sandy horizon overlaying a subsurface layer of silt loam. in texture. These soils are located on the northern end of the property. These disturbed soils are mostly derived from the surrounding Windsor Variant soil series. A typical soil profile of these soils onsite would be: 0-4 inches 10YR 3/3 loamy sand granular, friable 4-16 inches 10YR 5/6 loamy sand granular friable 16-30 inches 2.5Y 5/4 loamy sand granular friable. 30-40 inches 5Y 5/3 silt loam with redoximorphic features present blocky firm These soils are moderately werll drained, and are deep to bedrock. Pearmeability of this soil is moderately slow. Some inclusions of excessively drained Windsor soils may be present, but are less than 10 percent of the mapped area. Estimated seasonal high water tables in these soils range from 24 to 40 inches.
900 P (fbadh)	**Endoaquents (sandy or gravelly)**	**A**	**C**	Endoaquents represents areas of disturbed soils where the soil material was excavated down to, or near, the water table, and are sandy or gravelly in texture. This disturbed soil mapping unit is located in the eastern, central portion of the property. This area appears to be a manmade detention pond that may have a restrictive bottom. The soil texture is loamy sand over sand.. These soil is poorly drained, and are deep to bedrock. Saturated hydraulic conductivity is high or very high. Estimated seasonal high water tables in these soils range from 0 to 10 inches

Slope Phases

Alpha Slope Symbol	Range
A	0 – 3%
B	3 – 8%
C	8 – 15%
D	15 – 25%
E	25 – 50%
F	> 50%

I trust that this Soil Survey and report meet your current planning needs. Please do not hesitate to contact me if you have any questions.

Sincerely:

John P. Hayes III



John P. Hayes III CSS, CWS

Disturbed Map Units

This edition of the New Hampshire State-Wide Numerical Soil Legend contains eleven distinct map units used for identifying areas of soils altered or disturbed by human influence and the addition of one naturally formed map unit. These map units were designed for the Order 2 and Order 3 levels of mapping intensity, but can be used in Order 1 mapping if appropriate.

The definition of disturbed map units is intentionally brief and vague. Classification at the Great Group level allows for a wide range in soil properties and behavioral characteristics. The variability in soil properties typically requires on-site investigations before any interpretation can be developed. The map unit descriptions are intended to provide guidance in differentiating map units. The author of the soil map is expected to provide additional information to reflect the nature of the disturbed areas within the survey area.

I. Excavated land

300 Udipsamments

This map unit is characterized by soil textures of loamy fine sand to sand and gravel throughout the entire particle-size class control section (25 - 100 cm or 10 - 40 inches). Saturated hydraulic conductivity (K_{sat}) is high or very high. Drainage class ranges from excessively drained to well drained. The Hydrologic Soil Group (HSG) is A. Typical sand pit.

350 Udipsamments, wet substratum

This map unit is characterized by soil textures of loamy fine sand to sand and gravel throughout the entire particle-size class control section (25 - 100 cm or 10 - 40 inches). Saturated hydraulic conductivity (K_{sat}) is high or very high. Drainage class ranges from moderately well drained to somewhat poorly drained.

400 Udorthents, sandy or gravelly

This map unit typically includes the following concepts: 1) very gravelly (> 35%) sand or very gravelly loamy sand; Or 2) sand or loamy sand textures that may have lenses of loamy very fine sand or finer somewhere in the particle-size class control section (25 - 100 cm or 10 - 40"). Saturated hydraulic conductivity (K_{sat}) is high or very high. Drainage class ranges from excessively drained to somewhat poorly drained. Typical gravel pit.

Disturbed Map Units (continued)

500 Udorthents, loamy

This map unit is characterized typically by soil textures that are sandy loam, loam, or silt loam within the particle size control section (25 – 100cm or 10 – 40"). Saturated hydraulic conductivity (K_{sat}) is low through high. Drainage class ranges from well drained to somewhat poorly drained. These areas typically represent excavated glacial till or perhaps areas where sand and gravel was excavated down to the loamy underlying material.

550 Udorthents, Bedrock substratum

This map unit is characterized by soil textures of sandy loam, loam, or silt loam within the particle-size class control section (25 - 100 cm or 10 - 40 inches). These areas typically represent excavated soil materials where the range in depth to bedrock is 10 - 60 inches (25 - 152 cm). Saturated hydraulic conductivity (K_{sat}) is low through high. Drainage class ranges from somewhat excessively drained to somewhat poorly drained.

600 Endoaquents, loamy

This map unit represents areas where soil material was excavated down to, or near the water table. Soil material is typically sandy loam, loam or silt loam within the particle-size class control section (25 - 100 cm or 10 - 40 inches). Saturated hydraulic conductivity (K_{sat}) is low through high. Drainage class is poorly or very poorly drained. The Hydrologic Soil Group (HSG) is D.

900 Endoaquents, sandy or gravelly

This map unit represents areas where soil material was excavated down to / near the water table. This map unit is characterized typically by soil textures of: 1) very gravelly (> 35% gravel) sand or very gravelly loamy sand or; 2) sand or loamy sand textures that may have lenses of loamy very fine sand or finer somewhere in the particle-size class control section (25 - 100 cm or 10 - 40"). Saturated hydraulic conductivity (K_{sat}) is high or very high. Drainage class is poorly or very poorly drained. The Hydrologic Soil Group (HSG) is D. Typical gravel pit dug down to or close to the water table.

Disturbed Map Units (continued)

II. Filled land

100 Udorthents, wet substratum

This map unit represents areas that have been filled and leveled over what were originally hydric soils.

199 Dumps, bark chips, and organic material

This map unit consists of man-made deposits of bark, wood chips, sawdust, paper mill sludge, cinders, waste paper, ashes, and other similar refuse from the operation of paper mills and sawmills.

200 Udorthents, refuse substratum

This map unit represents alternating layers of soil and refuse such as in sanitary landfills. Closed landfills typically have 2 feet of loamy material capping the area.

299 Udorthents, smoothed

This map unit represents areas that have been cut and filled to create a large level or nearly level area. Soil material making up the map units typically came from the immediate area. School athletic fields are an example (unless they were created on hydric soils – see Map Unit 100).

III. Bottom Land

7 Fluvaquents

This map unit represents areas of various kinds of soil materials on the bottom lands of streams and rivers. The soil material ranges in texture from silt loam to sand and gravel within the particle-size class control section (25 - 100 cm or 10 - 40 inches). Drainage class is poorly or very poorly drained. The Hydrologic Soil Group (HSG) is D.

Disturbed Soil Mapping Unit Supplement
for New Hampshire
DES AoT Site Specific Soil Maps

Introduction

The NRCS NH State-Wide Legend, as amended, contains a number of distinct map units used for identifying areas of soils altered or disturbed by human influence. However, in preparing the required Site Specific Soils Maps for compliance with NH Department of Environmental Services Alteration of Terrain (AoT) rules, additional information is often needed and desired. This supplement provides a means to supply the user a more detailed soil mapping unit description to meet this need.

Purpose

To provide soil scientists with additional soil mapping tools for disturbed sites and miscellaneous areas to enhance site specific soil maps and interpretations to reflect new requirements under the revised NH Alteration of Terrain regulations. This supplement is intended to allow the creation of soil maps with mapping units that can be expanded beyond those of the NRCS NH State-Wide Numerical Legend and the standards of the National Cooperative Soil Survey for disturbed units in order to provide specific information useful in preparation of site specific soils maps and reports to comply with NHDES Env-Wq 1500-Alteration of Terrain.

Note that the disturbed soil supplement has been created by SSSNNE and is not a product of the NRCS or the National Cooperative Soil Survey. Additionally, the supplemental legend can only be used in conjunction with the Site Specific Soil Mapping standards and cannot be used to create a stand-alone soils map.

For the purposes of this supplement, the definition of disturbed land, including excavate and fill, is as defined by RSA 485-A: 6, VIII; RSA 485-A: 17, and NHDES Env-Wq 1500.

Map Notation

Notation on the Site Specific Soil Map completed to comply with the NH AoT rules should include the following disclaimer:

Site-Specific Soil Map

1. This detailed Site-Specific Soil Map conforms to the standards of SSSNNE Publication No. 3, as amended, "Site-Specific Soil Mapping Standards for NH and VT".

2. This map has been prepared to comply with soil mapping requirements of RSA 485 A: 17and NHDES Env-Wq 1500, Alteration of Terrain.

3. See accompanying narrative report for methodology, map symbol legend, and interpretations.

Map Symbol Denominators for Disturbed Unit Supplements

The map symbols for Site-Specific Soil Mapping of disturbed soils in New Hampshire is a two part symbol with parts separated by a forward slash (/).

The first part consists of the USDA-NRCS Disturbed Map Unit symbol from the NH State-Wide Numerical Soil Legend. The map symbol is composed of 1 to 3 digits followed by a capital letter designating slope.

The second part consists of symbols of the SSSNNE NH Disturbed Soil Supplement to the Site Specific Soil Survey Standards, as detailed below. The disturbed map symbol is composed of 5 lower case letters.

Thus a Site Specific map symbol for a map prepared for an AoT application would be formatted as follows:

400A/aaaaa

These SSSNNE NH Disturbed Soil Supplemental symbols can only be used in conjunction with the USDA-NRCS Disturbed Map Unit symbols for the NH Statewide Numerical Soil Legend.

Supplemental Symbols

The five components of the Disturbed Soil Mapping Unit Supplement are as follows:

Symbol 1: Drainage Class
a-Excessively Drained
b-Somewhat Excessively Drained
c-Well Drained
d-Moderately Well Drained
e-Somewhat Poorly Drained
f-Poorly Drained
g-Very Poorly Drained
h-Not Determined

Symbol 2: Parent Material (of naturally formed soil only, if present)
a-No natural soil within 60"
b-Glaciofluvial Deposits (outwash/terraces of sand or sand and gravel)
c-Glacial Till Material (active ice)
d-Glaciolacustrine very fine sand and silt deposits (glacial lakes)
e-Loamy/sandy over Silt/Clay deposits
f-Marine Silt and Clay deposits (ocean waters)
g-Alluvial Deposits (floodplains)
h-Organic Materials-Fresh water Bogs, etc
i- Organic Materials-Tidal Marsh

Symbol 3: Restrictive/Impervious Layers
a-None
b-Bouldery surface with more than 15% of the surface covered with boulders
c-Mineral restrictive layer(s) are present in the soil profile less than 40 inches below the soil surface such as hard pan, platy structure or clayey texture with consistence of at least firm (i.e. more than 20 newtons). For other examples of soil characteristics that qualify for restrictive layers, see "Soil Manual for Site evaluations in NH" 2nd Ed., (page 3-17, figure 3-14)
d-Bedrock in the soil profile; 0-20 inches
e-Bedrock in the soil profile; 20-60 inches
f-Areas where depth to bedrock is so variable that a single soil type cannot be applied, will be mapped as a complex of soil types
g-Subject to Flooding
h–Man-made impervious surface including pavement, concrete, or built-up surfaces (i.e. buildings) with no morphological restrictive layer within control section

Symbol 4: Estimated Ksat* (most limiting layer excluding symbol 3h above).
a- High.
b-Moderate
c-Low
d-Not determined
*See "Guidelines for Ksat Class Placement" in Chapter 3 of the Soil Survey Manual, USDA

Symbol 5: Hydrologic Soil Group*
a-Group A
b-Group B
c-Group C
d-Group D
e-Not determined

*excluding man-made surface impervious/restrictive layers

LOCATION WINDSOR CT+MA NH NY RI VT

Established Series
Rev. MFF-SMF-DCP
03/2014

WINDSOR SERIES

The Windsor series consists of very deep, excessively drained soils formed in sandy outwash or eolian deposits. They are nearly level through very steep soils on glaciofluvial landforms. Slope ranges from 0 through 60 percent. Saturated hydraulic conductivity is high or very high. Mean annual temperature is about 10 degrees C and mean annual precipitation is about 1092 mm.

TAXONOMIC CLASS: Mixed, mesic Typic Udipsamments

TYPICAL PEDON: Windsor loamy sand - forested, 3 percent slope, at an elevation of about 24 meters. (Colors are for moist soil.)

Oe--0 to 3 cm; black (10YR 2/1) moderately decomposed forest plant material; many very fine and fine roots; very strongly acid; abrupt smooth boundary. (0 to 8 cm thick.)

A--3 to 8 cm; very dark grayish brown (10YR 3/2) loamy sand; weak medium granular structure; very friable; many very fine and fine roots; strongly acid; abrupt wavy boundary. (3 to 25 cm thick.)

Bw1--8 to 23 cm; strong brown (7.5YR 5/6) loamy sand; very weak fine granular structure; very friable; many fine and medium roots; strongly acid; gradual wavy boundary.

Bw2--23 to 53 cm; yellowish brown (10YR 5/6) loamy sand; very weak fine granular structure; very friable; common fine and medium roots; strongly acid; gradual wavy boundary.

Bw3--53 to 64 cm; light yellowish brown (10YR 6/4) sand; single grain; loose; few coarse roots; strongly acid; clear wavy boundary. (Combined thickness of the Bw horizons is 23 to 86 cm.)

C--64 to 165 cm; pale brown (10YR 6/3) and light brownish gray (10YR 6/2) sand; single grain; loose; few coarse roots; strongly acid.

TYPE LOCATION: Hartford County, Connecticut; town of South Windsor, 1100 feet northwest along Chapel Road from the intersection of Chapel Road and Ellington Road and 100 feet due south of Chapel Road. USGS Manchester, CT topographic quadrangle, Latitude 41 degrees, 48 minutes, 35 seconds N., Longitude 72 degrees, 36 minutes, 22 seconds W., NAD 1983

RANGE IN CHARACTERISTICS: Thickness of the solum ranges from 25 to 92 cm. Rock fragments, dominantly fine gravel, range from 0 through 10 percent by volume in the solum and from 0 to 15 percent in the substratum. Thin strata of gravel or thin subhorizons of coarse sand or loamy coarse sand are present in some pedons. Unless limed, reaction in the solum commonly is extremely acid to moderately acid, but the range includes slightly acid. Unless limed, reaction in the substratum commonly is very strongly acid to slightly acid, but the range includes neutral.

O horizons are present in some pedons.

The A horizon has hue of 7.5YR or 10YR, value of 2 or 3, and chroma of 1 to 3. Many pedons have an Ap horizon up to 12 inches thick with value of 3 or 4 and chroma of 2 to 4. The A or Ap horizon is loamy fine sand, loamy sand, fine sand, or sand. It has weak or moderate granular structure and is very friable, friable, or loose.

Some pedons have a thin E horizon with hue 7.5YR or 10YR, value of 4 to 6, and chroma of 1 or 2.

The upper part of the Bw horizon has hue of 7.5YR to 2.5Y, value of 4 to 6, and chroma of 4 to 8. The lower part of Bw horizon has hue of 7.5YR to 5Y, value of 4 to 7, and chroma of 3 to 6. The Bw horizon is loamy sand or loamy fine sand in the upper part and loamy fine sand, loamy sand, fine sand, or sand in the lower part. The Bw horizon has weak granular or weak subangular blocky structure, or it is massive or single grain. Consistence is very friable or loose.

Some pedons have a BC horizon similar to the lower part of the Bw horizon.

The C horizon has hue of 5YR to 5Y, value of 4 to 7, and chroma of 1 to 6. It is fine sand, sand, coarse sand, loamy fine sand, or loamy sand. The horizon is massive or single grain and consistence is very friable or loose.

COMPETING SERIES: These are the Acquango, Aldo, Bigapple, Biltmore, Boplain, Breeze, Caesar, Chute, Dabney, Hodge, Oakville, Osolo, Pahuk, Penwood, Perks, Pinegrove, Plainfield, Poquonock, Ronda, Samoa, Sardak, Sarpy, Scotah, Spessard, Suncook, Tyner, and Wapanucket series. Aquango, Aldo, Biltmore, Boplain, Chute, Dabney, Hodge, Osolo, Pahuk, Perks, Ronda, Samoa, Sardak, Spessard, and Tyner soils are from outside of LRRs L, R, and S. Acquango soils are very slightly to moderately saline within the soil profile. Aldo soils have a water table and saturation within the series control section for as much as one month per year in 6 out of 10 years. Bigapple soils formed in human transported soil material from dredging activities. Biltmore and Spessard soils are well drained. Breeze soils formed in human transported sandy soil materials intermingled with construction debris. Caesar soils contain more coarse sand. Chute, Hodge, and Sarpy soils contain free carbonates and do not have a B horizon. Dabney soils do not have a B horizon and receive more than 152 cm of precipitation annually. Oakville soils typically average 50 percent or more fine sand in the subsoil. Osolo soils have a solum thicker than 1.5 m. Penwood soils have hue of 5YR or redder in the B horizon. Pahuk, Perks, Samoa, and Suncook soils do not have a B horizon. Plainfield soils are less moist in all parts of the control section for the 120 days following the summer solstice. Poquonock soils have a densic contact with in 1 m. Ronda soils formed in alluvium from residuum sources. Sardak soils formed in alluvium and are calcareous. Tyner soils have a thicker solum. Wapanucket soils are underlain by glaciolacustrine deposits with in the series control section.

GEOGRAPHIC SETTING: Windsor soils are nearly level through very steep soils typically on glaciofluvial landforms but include late-Wisconsin-aged dunes. The steeper slopes are typically on terrace escarpments. Slope ranges from 0 to 60 percent. The soils formed in outwash or eolian deposits of poorly graded sands and loamy sands derived mainly from crystalline rocks. Mean annual temperature ranges from 7 to 12 degrees C, and the mean annual precipitation typically ranges from 965 to 1270 mm, but the range includes as low as 660 mm in some places east of Adirondack Mountains in the Champlain Valley of New York. The growing season ranges from 120 to 190 days.

GEOGRAPHICALLY ASSOCIATED SOILS: These are the Deerfield, Hinckley, Merrimac, Quonset, Suncook, Agawam, Hadley, Haven, Occum, Pootatuck, Scarboro, Sudbury, Walpole, Wareham, and Winooski soils on nearby landscapes. The moderately well drained Deerfield and Sudbury, the somewhat poorly drained and poorly drained Walpole and Wareham, and the very poorly drained Scarboro soils are common drainage associates. Agawam and Haven soils are coarse-loamy over sandy or sandy-skeletal or coarse-loamy terrace associates, respectively. Hadley, Occum, Pootatuck, and Winooski soils are on nearby flood plains.

DRAINAGE AND SATURATED HYDRAULIC CONDUCTIVITY: Excessively drained. Surface runoff is negligible to medium. Saturated hydraulic conductivity is high or very high.

USE AND VEGETATION: Most areas are forested or in low growing brushy vegetation. Some areas are used

for silage corn, hay, and pasture. Small areas, mostly irrigated, are used for shade tobacco, vegetables and nursery stock. Some areas are in community development. Common trees are white, black, and northern red oak, eastern white pine, pitch pine, gray birch, poplar, red maple, and sugar maple.

DISTRIBUTION AND EXTENT: Late Wisconsin glaciofluvial or eolian landforms in Connecticut, Massachusetts, New Hampshire, New York, Rhode Island, and Vermont; MLRAs 101, 142, 144A, and 145. The series is of large extent.

MLRA SOIL SURVEY REGIONAL OFFICE (MO) RESPONSIBLE: Amherst, Massachusetts.

SERIES ESTABLISHED: Connecticut Valley Area, 1899.

REMARKS: The use of the Windsor series in Maine, and in MLRAs 141, 144B, and 143 is relict to before temperature classes in soil taxoonomy. These have been removed from the SC file.

Diagnostic horizons and features recognized in this pedon include:
1. Ochric epipedon - the zone from 0 to 8 cm (Oe and A horizons).
2. Particle-size class - averages sandy in the control section from 25 to 100 cm.
3. No cambic horizon and development of color - the zone from 8 to 64 cm demonstrates development of color with no illuvial accumulation of material (Bw horizons).

ADDITIONAL DATA: Reference samples from pedons 54MA023005, 63VT011001, 63VT011002, 64NH017003, 64NH017004, 70CT003003, 70MA011003, 70VT017002, 73MA005003, 73MA005004, 91MA023006, 95NH013001, 96NH013004, 98NY045002, 98NY085002, S07VT011004.

National Cooperative Soil Survey
U.S.A.

development costs may be greater than on less sloping Windsor soils. (Capability unit IVs–26)

Windsor loamy sand, 15 to 60 percent slopes (WdE).—This soil typically lies on terrace breaks beside major streams in the county. The profile of this soil is similar to that described as representative for the series, but part of the original surface layer has been lost through erosion.

Included in mapping are small areas of gravelly Hinckley soils.

Steepness and droughtiness are major limitations to most uses of this soil. The hazard of erosion is severe where protective vegetation is removed.

This soil is not suitable for row or hay crop production. It is mainly forested, but timber management is limited by the short, steep slopes. A good cover of sod or forest vegetation is needed to control erosion. This soil is a potential source of sand for borrow material. (Capability unit VIIs–26)

Windsor Series, Clay Subsoil Variant

The Windsor series, clay subsoil variant, consists of well-drained, stone-free soils that formed in more than 18 inches and less than 30 inches of sandy material and the thick underlying silt and clay deposits, mostly of marine origin. These nearly level to sloping soils are on marine terraces, mostly in the southeastern part of the county.

A representative profile of a Windsor soil, clay subsoil variant, in a cultivated area has a very dark grayish-brown loamy fine sand surface layer 10 inches thick. The next layer extends to a depth of 24 inches and is yellowish-brown loamy fine sand in the upper part and light olive-brown fine sand in the lower part. The next series of layers extends to a depth of about 42 inches. In sequence from the top, the upper 2 inches is olive, firm very fine sandy loam, the next 4 inches is olive silt loam, and the lower 12 inches is very firm, olive-gray silty clay loam.

Soils of the Windsor series, clay subsoil variant, have moderately slow permeability and moderate available water capacity. Septic tank filter fields do not function well, because the subsoil has moderately slow permeability.

Representative profile of a Windsor loamy fine sand, clay subsoil variant (slope of 5 percent) in a hayfield about four-tenths mile southeast of the Grange Hall on Lee Hook Road in the town of Lee:

Ap—0 to 10 inches, very dark grayish-brown (10YR 3/2) loamy fine sand; weak, fine, granular structure; very friable; many roots; slightly acid; abrupt, smooth boundary.

B21—10 to 16 inches, yellowish-brown (10YR 5/6) loamy fine sand; single grain; loose; common roots; medium acid; clear, wavy boundary.

B22—16 to 24 inches, light olive-brown (2.5Y 5/4) fine sand; single grain; loose; few roots; medium acid; abrupt, smooth boundary.

IIA'2—24 to 26 inches, olive (5Y 4/3) very fine sandy loam; weak, thin, platy structure; firm; few roots; medium acid; clear, wavy boundary.

IIC1—26 to 30 inches, olive (5Y 5/3) silt loam; moderate, fine and medium, angular blocky structure; firm; few roots; medium acid; clear, wavy boundary.

IIC2—30 to 42 inches, olive-gray (5Y 5/2) silty clay loam; gray (5Y 5/1) clay coatings on peds; moderate, coarse, prismatic structure; very firm; many fine, dark manganeselike stains along channels; many fine pores; medium acid.

The A horizon texture is loamy sand or loamy fine sand. Hue is 10YR, value is 3 or 4, and chroma is 2 to 4. The B horizon ranges from loamy sand to sand. The upper part of the B horizon has a hue of 7.5YR to 2.5Y; a value of 3 to 5; and a chroma of 3 to 6. The lower part of the B horizon has a hue of 10YR or 2.5Y. The IIC horizon ranges from silt loam to silty clay. Hue is 2.5Y or 5Y, and value is 4 to 6. Reaction of the sandy upper horizons is strongly acid to medium acid. In the underlying material, reaction ranges from strongly acid to slightly acid.

Soils of the Windsor series, clay subsoil variant, are near Elmwood, Buxton, and Windsor soils. They are better drained and have coarser textures in the upper part of the profile than Elmwood or Buxton soils. They resemble sandy Windsor soils, except for the presence of silt and clay deposits at a depth of about 2 feet.

Windsor loamy fine sand, clay subsoil variant, 0 to 8 percent slopes (WfB).—This gently rolling soil occupies small areas on marine or lacustrine terraces. It has the profile described as representative of the series.

Included in mapping are areas of moderately well drained soils that formed in the same soil material as this soil.

Because of the sandy nature of the surface layer and the upper part of the subsoil, row crops and grasses suffer in some places from lack of moisture during dry periods; however, this soil retains more moisture available to crops than the droughty Windsor loamy sands. Erosion is a hazard in the more sloping areas. The moderately slowly permeable subsoil is a limitation to use of this soil for residential and industrial development.

The soil is easily cultivated and generally produces satisfactory growth of corn, truck crops, small grain, grasses, and legumes. Erosion control practices include diversions, contour farming, and stripcropping. Cropping systems generally include row crops, cover crops, and grasses and legumes in the rotation. Adding manure and returning crop residue to the soil help to maintain soil tilth, provide additional organic matter, and conserve moisture.

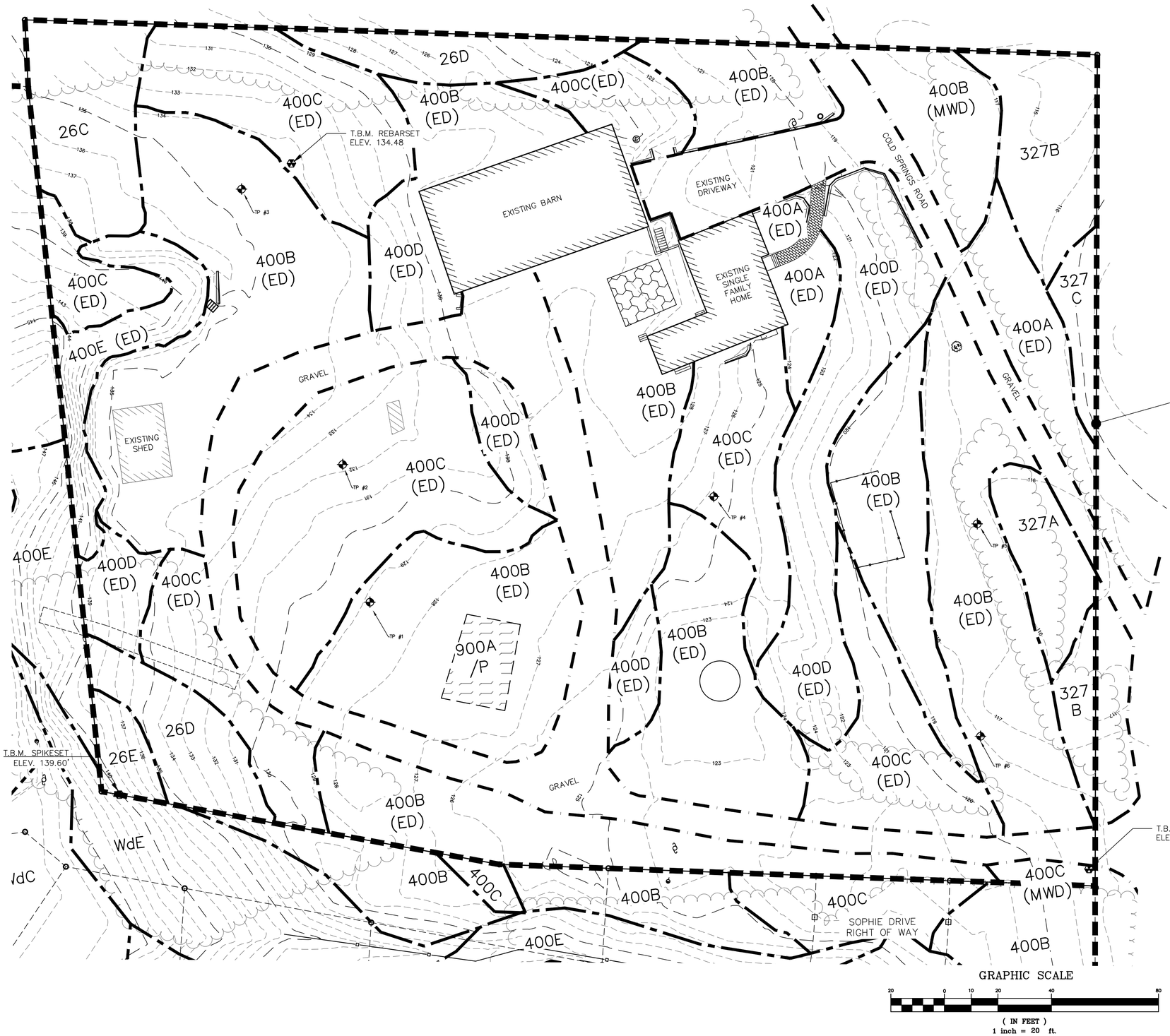
About half the acreage of this soil is forested. The rest is used for truck crops, hay, and pasture. The potential for developing open-land and woodland wildlife habitat is good. (Capability unit IIs–4)

Windsor loamy fine sand, clay subsoil variant, 8 to 15 percent slopes (WfC).—This soil is in rolling areas on marine or lacustrine terraces. It consists of about 2 to 2½ feet of loamy fine sand and fine sand over silty clay loam and silty clay.

Included in mapping are some areas of soils where depth to silt and clay deposits is greater than 40 inches.

Erosion is a hazard if the surface layer is disturbed during cultivation or construction work. Droughtiness is also a limitation to crop production. Slope and the moderately slowly permeable subsoil are limitations to use for residential and industrial development.

This soil is suited to most general crops, but its use is limited by slope and the hazard of erosion. Diversions, contour farming, and stripcropping are needed to control erosion if it is used for row or truck crops (fig. 14). These practices are also needed in cropping systems that include cover crops and grasses and legumes in the



NOTES:

1.) OWNER: 5 SHERMAN ST.
242 CENTRAL AVE.
DOVER, NH 03820

APPLICANT: KNOX MARSH DEVELOPMENT LLC
242 CENTRAL AVE
DOVER, NH 03820

2.) TAX MAP H, LOT 47–A

3.) S.C.R.D. BOOK 5190, PAGE 597

4.) LOT AREA: 117,854 Sq.Ft., 2.71 Ac.

5.) THE INTENT OF THIS PLAN IS TO SHOW THE SITE SPECIFIC SOILS ON TAX MAP H, LOT 47–A.

6.) I HEREBY CERTIFY THAT, TO THE BEST OF MY KNOWLEDGE AND BELIEF, THIS PROPERTY DOES NOT FALL WITHIN THE FLOOD PLAIN FLOOD HAZARD REF: FEMA COMMUNITY #330145, MAP 33017C0320E, DATED: MAY 17, 2005.

7.) VERTICAL DATUM BASED ON NAVD88 ELEVATIONS. HORIZONTAL DATUM BASED ON NAD83 STATE PLANE. COORDINATES GATHERED USING CARLSON BRX7 SURVEY GRADE GPS RECEIVERS.

STATE OF NEW HAMPSHIRE · JOHN P. HAYES, III · CERTIFIED WETLAND SCIENTIST · MAR 18

JOHN P. HAYES III, CWS #18

JOHN P. HAYES III, CSS #87

LEGEND:

- IRON BOUND ~FND~
- IRON PIPE ~FND~
- GRANITE BOUND ~FND~
- UTILITY POLE/GUY WIRE
- BENCHMARK (T.B.M.)
- TEST PIT
- >20% SLOPES
- 35 — 32 — EXISTING CONTOUR MINOR / EXISTING CONTOUR MAJOR
- OFF SITE NRCS SOIL LINE
- SITE SPECIFIC SOIL DELINEATION
- LIMIT OF SOIL SURVEY
- AREAS OF IMPERVIOUS SURFACE PRESUMED TO BE THE SAME SURROUNDING SOIL TYPE

448A SOIL SERIES
BnA SOIL LABEL
S.C.R.D. STRAFFORD COUNTY REGISTRY OF DEEDS
TYP. TYPICAL
FND FOUND
TBA TO BE ABANDONED
PVMT PAVEMENT

WETLAND NOTES:

WETLANDS WERE DELINEATED BY JOHN P. HAYES FEBRUARY 19, 2024

1. REGIONAL SUPPLEMENT TO THE CORPS OF ENGINEERS WETLAND DELINEATION MANUAL: NORTHCENTRAL AND NORTHEAST REGION, (VERSION 2.0) JANUARY 2012, U.S. ARMY CORPS OF ENGINEERS.
2. FIELD INDICATORS OF HYDRIC SOILS IN THE UNITED STATES, A GUIDE FOR IDENTIFYING AND DELINEATING HYDRIC SOILS, VERSION 8.0. UNITED STATES DEPARTMENT OF AGRICULTURE (2016).
3. NATIONAL WETLAND PLANT LIST (CURRENT VERSION).

NO WETLANDS WERE FOUND ON SITE.

SOILS LEGEND

Site Specific Soils

Symbol	Slopes	Taxonomic Soil Name	Hydrologic Soil Group
26	C,D,E	Windsor	A
327	A,B,C	Windsor Variant (Clay Subsoil)	C
400 (ED)	A,B,C,D,E	Udorthents (Sandy or Gravelly) (Excessively Drained)	A
400 (MWD)	A,B	Udorthents (Sandy or Gravelly Over Silt Loam) (Moderately Well Drained)	A
900	A	Endoaquents (Sandy or Gravelly)	C

Slopes: A = 0-3% B = 3-8% C = 8-15% D = 15-25% E = 25- 50% F = 50%+
Denominators: /SPD = Somewhat Poorly Drained /P = Poorly Drained
/VP = Very Poorly Drained /Rk = Rocky

CITY OF DOVER PLANNING FILE #

REVISION	DATE	DESCRIPTION

SITE SPECIFIC SOILS MAP
FOR
KNOX MARSH DEVELOPMENT LLC
LAND OF
5 SHERMAN STREET LLC
1 COLD SPRINGS ROAD
DOVER, N.H.
TAX MAP H, LOT 47–A

BERRY SURVEYING & ENGINEERING
335 SECOND CROWN POINT ROAD
BARRINGTON, NH 03825 (603)332–2863

SCALE : 1 IN. EQUALS 20 FT.
DATE : SEPTEMBER 1, 2024
FILE NO. : DB 2023 – 126

STATE OF NEW HAMPSHIRE · LICENSED LAND SURVEYOR · No. 805 · KENNETH A. BERRY · SIGNATURE

BERRY SURVEYING & ENGINEERING
335 Second Crown Point Road
Barrington, NH 03825
Phone: (603) 332-2863
Fax: (603) 335-4623
www.BerrySurveying.Com

Stormwater System Management:

Inspection and Maintenance Manual

1 Cold Springs Road
Dover, NH 03820

Prepared for:

Knox Marsh Development LLC
242 Central Avenue
Dover, NH 03820

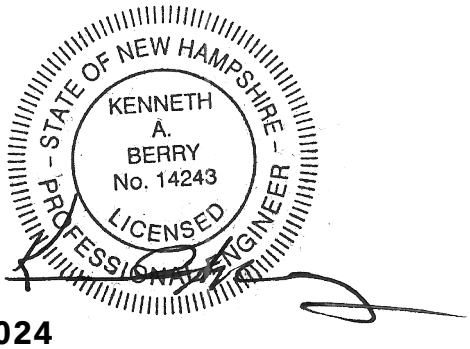
Land of:

5 Sherman Street LLC
242 Central Avenue
Dover, NH 03820

1 Cold Springs Road, Dover, NH
Tax Map H, Lot 47-A

Prepared By:

Berry Surveying & Engineering
335 Second Crown Point Road
Barrington, NH 03825
603-332-2863



Project Number:
DB2023-126

September 1, 2024
Revised: October 17, 2024

Inspection and Maintenance Manual

Stormwater System Management

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Site Plan Attached – 1 Page

Control of Invasive Plants, NH Department of Agriculture Attached – 4 Pages

NHDES Green SnoPro Utilization Chart

Introduction

The Best Management Practices (BMP) described in this manual are specified in more detail within the plan set giving design details and specifications. The New Hampshire Stormwater Manual, Volume 2, Post-Construction Best Management Practices Selection & Design (December 2008, NHDES & US EPA) is included by reference to this manual. Additional details, construction specifications, and example drawings are provided within this reference. (http://des.nh.gov/organization/divisions/water/stormwater/)

The BMP's are covered below in the general order in which the storm water flows. Each BMP has a description and maintenance consideration listed. A Check List table is proved after the narrative to summarize the maintenance responsibilities and schedule. A Log Form is also provided for the owners use.

For details regarding the design of the Storm Water System see also Drainage Analysis & Sediment and Erosion Control Plan also published by Berry Surveying & Engineering dated September 1, 2024, as revised. See also plan set completed for 5 Sherman Street, LLC, originally dated September 1, 2024, as revised.

Robert Baldwin, Managing Member, Knox Marsh Development, LLC, is responsible for the Stormwater System Operation and Maintenance until such time as the proposed streets are turned over to the homeowners association and the drainage infrastructure is the responsibility of a homeowners association. A significant step in this responsibility is the Inspection and Maintenance of each component of the system. Ongoing, semi-annual, and annual inspection and maintenance requirement are documented below and must be taken seriously. Failure of any component of the system can result in surface water run-off ponding and/or freezing in the roadway and parking lots, leaving the developed site untreated, and/or causing violations to issued permits. The owner must maintain, and have available, plans of the Stormwater System in order properly inspect and maintain the system. (Reduced copies attached.) 5 Sherman Street, LLC is the majority owner and responsible to develop a Homeowners Association of the residential development. The homeowners association is responsible to ensure that any subsequent owner, owners association, or subcontractor has copies of the Log Form and Annual Report records and fully understands the responsibilities of this plan. The grantor owner will ensure this document is provided to the grantee owner by duplicating the Ownership Responsibility Sheet which is found toward the back of this document, which will be maintained with the Inspection & Maintenance Logs, provided to the City of Dover, Community Services, DPW, Engineering Department, with the Annual Report no later than December 15 of

each year. Qualified Professionals such as Berry Surveying & Engineering, as retained, or another qualified professional as retained shall be retained for drainage and invasive species inspections.

The owners of Tax Map H, Lot 47-A are proposing to subdivide the existing parcel, into 8 residential lots (seven new single-family homes, the existing single-family home). A ninth parcel will have two four-unit townhouse buildings. A 392’ long private road, measured around the cul-de-sac, will be constructed extending Sophie Drive to provide access to the development. The development will be supported by an Infiltration Rain Gardens, municipal water and municipal sewer.

The following drainage features will all require periodic inspections and maintenance based on this manual in addition to deep sump catch basins throughout:

Conveyance Swale

Catch Basins & Drain Manholes

Inlet Sump

Water Quality Inlet #1

Infiltration Rain Garden #106

Conveyance, Diversion, & Treatment Swales

Description: "Swales are stabilized channels designed to convey runoff at non-erosive velocities." (NHDES SWM) A conveyance swale is intended to move surface water runoff from one point to another where as a treatment swale will slow the velocity to a point where sediment will settle out of the stormwater flow. A treatment swale will be constructed to a width of between four and eight feet and have a minimum length of 100 feet. The flow characteristics will also meet design criteria. A conveyance swale will be designed so that there is the capacity to convey the 10 year 24 hour storm event.

Maintenance Considerations: Grassed swales will be inspected twice annually, removing accumulated sediment and gross solids. Grass will be mowed periodically but to a depth of not less than 4 inches. Any damage to the vegetation will be repaired and woody vegetation and invasive vegetation will be removed.

Catch Basin, and Drain Manholes

Description: Catch Basins are used throughout the site to capture and, along with culvert pipes and manhole, route surface water runoff to stormwater treatment and detention infrastructure. During construction the catch basins will be protected by inlet protection per the approved construction plans. The practice of street sweeping on a bi-annual basis will help reduce maintenance of these catch basins and culvert pipes.

Note: Deep sump catch basins are not allowed to be used on this proposed development due to wildlife concerns and any manufacturer sump resulting in a catch basin must be filled with washed crushed stone. Sediment should be trapped in the sediment forebays but is also a concern in earlier structures.

Maintenance Considerations: Sediment must be removed from Catch Basins and Manholes on a regular basis, at least twice a year and more often if post-winter maintenance and street sweeping is not conducted. Inspections should be conducted periodically. At a minimum they should be cleaned after snow-melt and after leaf-drop. Disposal of all material, sediment, and debris must be done in accordance with state and federal regulations. Culvert pipes will be inspected to ensure that surface water runoff is capable of leaving the structures.

Infiltration Rain Garden (Bio-Retention System)

Design Intent: An infiltration rain garden (P-106) is designed and located to intercept surface water runoff from compacted gravel surfaces discharging from roadside swales and conveyance swales.

Description: A bioretention system (sometimes referred to as a "rain garden") is a type of filtration BMP designed to collect and filter moderate amounts of stormwater runoff using conditioned planting soil beds, gravel beds and vegetation within shallow depressions. The bioretention system may be designed with an underdrain, to collect treated water and convey it to discharge, or it may be designed to infiltrate the treated water directly to the subsoil. (In this case it is designed to infiltrate.) Bioretention cells are capable of reducing sediment, nutrients, oil and grease, and trace metals. Bioretention systems should be sited in close proximity to the origin of the stormwater runoff to be treated. The major difference between bioretention systems and other filtration systems is the use of vegetation. A typical surface sand filter is designed to be maintained with no vegetation, whereas a bioretention cell is planted with a variety of shrubs and perennials whose roots assist with pollutant uptake. The use of vegetation allows these systems to blend in with other landscaping features. See SWM Volume 2, 4-3.4c, Treatment Practices, Bio-Retention System, page 110.

Construction Considerations: After the stone and bio-media has been installed, Filtrexx Silt Soxx, or approved equal, will be installed at the toe of slope, at the intersection between the berm and bio-media. This will remain until the slopes of the berm are stable. This specification is intended to protect the bio-media.

Maintenance Considerations: Systems should be inspected at least twice annually, and following any rainfall event exceeding 2.5 inches in a 24-hour period, with maintenance or rehabilitation conducted as warranted by such inspection. Pretreatment measures should be inspected at least twice annually, and cleaned of accumulated sediment as warranted by inspection, but no less than once annually. Trash and debris should be removed at each inspection. At least once annually, system should be inspected for drawdown time. If bioretention system does not drain within 72-hours following a rainfall event, then a qualified professional should assess the condition of the facility to determine measures required to restore filtration function or infiltration function (as applicable), including but not limited to removal of accumulated sediments or reconstruction of the filter media. Vegetation should be inspected at least annually, and maintained in healthy condition, including pruning, removal and replacement of dead or diseased vegetation, and removal of invasive species. All 2:1 side slopes within the BMP will be maintained via weedwhacker.

Culvert Inlet Sumps & Cross Culvert w/ Flared End Sections

Description: In one location, to convey the surface water runoff that is trapped within the roadway and runoff from back yards, there is a Residential Inlet Sump. This culvert pipe, flared end sections, and constructed sump will collect the runoff that is directed to that location during and after the residential development. The culvert will allow the runoff to discharge and not allow water to pond to the house elevations in the back yards. The location of the Residential Inlet Sump will be marked and identified with painted metal fence posts.

Maintenance Considerations: Vegetation and debris will need to be removed from the culvert inlet several times a year, especially late fall after the majority of the leaves have fallen and in the spring. In addition to the sump and culverts themselves, the drainage channel will need to be inspected to ensure that the runoff intended to get to the inlets is making it to the sump. The identification fence post will be inspected for structural condition and painted condition.

Water Quality Inlet

Description: A water quality inlet is an underground storage structure with multiple chambers, designed to capture coarse sediments, floating debris, and some hydrocarbons from stormwater runoff. Such inlet devices are typically used for pretreatment of runoff prior to discharge to another treatment practice. The devices use baffles with weirs or orifices to control flow and help capture sediment, and inverted baffles or hooded outlets to help capture floating materials. Depending on the design of the unit and the magnitude of peak flow events, the captured sediments may be subject to re-suspension and flushing from the device. Floating hydrocarbons captured in the unit can be removed for disposal during maintenance operations by skimming or by use of sorbent materials. Note, however, that hydrocarbons carried by stormwater frequently are dispersed in suspension or adsorbed to fine-grained sediment particles or organic materials, and may not necessarily be captured in the unit. To limit potential for re-suspension of captured materials, the device is usually designed as an "off-line" unit sized for the Water Quality Flow. Larger storm events would then bypass the unit. See SWM Volume 2, 4-4.4 Flow-Though Devices, Water Quality Inlet, page 148.

Maintenance Considerations: Inspect Water Quality Inlet quarterly. Remove and legally dispose of floating debris at each inspection. Remove sediment when inspection indicates depth is approaching half the depth to the lowest orifice or other outlet in the first chamber baffle. However, it is recommended that the unit be cleaned at least once per year; Remove floating hydrocarbons immediately whenever detected by inspection; Dispose of sediments and other wastes in conformance with applicable local, state, and federal regulations.

Control Of Invasive Plants

During maintenance activities, check for the presence of invasive plants and remove in a safe manner as described on the following pages. They should be controlled as described on the following pages. Qualified Professionals such as Berry Surveying & Engineering, as retained, or another qualified professional as retained shall be retained for drainage and invasive species inspections.

Invasive plants are introduced, alien, or non-native plants, which have been moved by people from their native habitat to a new area. Some exotic plants are imported for human use such as landscaping, erosion control, or food crops. They also can arrive as "hitchhikers" among shipments of other plants, seeds, packing materials, or fresh produce. Some exotic plants become invasive and cause harm by:

- becoming weedy and overgrown;
- killing established shade trees;
- obstructing pipes and drainage systems;
- forming dense beds in water;
- lowering water levels in lakes, streams, and wetlands;
- destroying natural communities;
- promoting erosion on stream banks and hillsides; and
- resisting control except by hazardous chemical.

Snow Removal & Winter Maintenance

Description: Drainage and stormwater systems need to be maintained during the winter months so that surface water runoff from a rain storm does not become a impounding and icing problem. Catch basins must remain viable and where sheet flow is a design factor, the edge of pavement and should need to be maintained so that runoff can leave the pavement area. Sand and salt should be used at the rate that prevents sedimentation problems or excess salt deposited but yet enough to allow for protection for pedestrians and vehicles.

Maintenance Considerations: Catch basins are required to be kept viable by removing snow that is block surface water runoff from entering the structure. The edge of pavement where surface water sheet flow is designed to leave the paved area, the edge of pavement and shoulder need to be plowed to allow runoff to leave the pavement. Snow is to piled in designated areas and removed from the site when the on-site storage locations have been exceeded. At the end of the winter season, sediment is to be swept from the paved surfaces and removed from the drainage system. (Sumps if provided, sediment forebays, swale lines.) (See catch basin and drainage pipe maintenance.) NHDES offers training (Green SnowPro Certification) for contractors and owners. https://www.des.nh.gov/land/roads/road-salt-reduction/green-

snowpro-certification Please find attached NHDES Green SnoPro Utilization Chart which is required to be used.

Annual Report

Description: The owner is responsible to keep an **I & M Activity Log** that documents inspection, maintenance and repairs to the storm water management system, and a **Deicing Log** to track the amount and type of deicing material applied to the site. The original owner is responsible to ensure that any subsequent owner (s) have copies of the Stormwater System Management: Inspection and Maintenance Manual, copies of past logs and check lists. This includes any owner association for potential condominium conversion of the property. The Annual Report will be prepared and submitted to the City of Dover, Community Services, Engineering Department with copies of both logs and check lists no later than December 15th of each year and made available to NHDES upon request. Upon an ownership change, the Annual Report will include the Transfer of Ownership Responsibility Forms duplicated from the form found below.
The plans that accompany this manual includes a one sheet, "Drainage Operation & Maintenance Plan". The homeowners association will also maintain a complete set of the approved original design plans.

It is requirement of the contractors to pump and clean all Catch Basins and Drain Manholes. Prior to the final release of bonding from the City of Dover, the applicant will have the initial I & M Inspection and Report completed. This and a letter documenting the completeness of the drainage design construction will be turned into Community Services.

Respectfully,
BERRY SURVEYING & ENGINEERING

Christopher R. Berry,
Principal President

Kenneth A. Berry, PE, LLS
CPSWQ, CPESC, CESSWI
Principal, VP - Technical Operations

Kevin R. Poulin, PE
Project Engineer

STORMWATER SYSTEM OPERATION AND MAINTENANCE PLAN

Inspection & Maintenance Manual Checklist

Sophie Drive

Knox Marsh Development, LLC
242 Central Avenue
DOVER, NH 03820

☑	Date	BMP / System	Minimum Inspection Frequency	Minimum Inspection Requirements	Maintenance / Cleanout Threshold
		Pavement Sweeping	Three Times Per Year	N/A	N/A
		Litter/Trash Removal	Routinely	Inspect dumpsters, outdoor waste receptacles area, and yard areas.	Parcel will be free of litter/trash.
		Deicing Agents	N/A	N/A	Use salt as the primary agent for roadway safety during winter.
		Invasive Species	Two times per year.	Inspect for Invasive Species	Remove and dispose invasive species.
		Closed Drainage System:			
		Drainage Pipes	1 time per 2 years	Check for sediment accumulation & clogging.	Less than 2" sediment depth
		Catch Basins & Drain Manholes	2 times per year	Check for sediment accumulation & clogging.	Sediment accumulated must be removed

☑	Date	BMP / System	Minimum Inspection Frequency	Minimum Inspection Requirements	Maintenance / Cleanout Threshold
		Rain Garden	2 times per year	Check for sediment and debris accumulation buildup.	Remove sediment & debris when required. Remove Invasive Species
		Riprap Outlet Protection	Annually	Check for sediment buildup and structure damage.	Remove excess sediment and repair damage.
		Winter Maintenance	Ongoing	Remove snow as directed.	Ongoing
		Post Winter Maintenance	Annually	Remove excess sand, gross solids, and repair vegetation and plantings	Parcel will be free of excess sand, litter/trash. Vegetation per approved plans.
		Annual Report	1 time per year	Submit Annual Report to Dover Engineering Dept., submitted to NHDES AoT, and kept on file by the owner.	Report to be submitted on or before December 15th each year.

Inspection Check List: Page 3

The following drainage features will all require periodic inspections and maintenance based on this manual in addition to deep sump catch basins throughout:

Conveyance Swale

Catch Basins & Drain Manholes

Inlet Sump

Water Quality Inlet #1

Infiltration Rain Garden #106

Inspection Notes:

STORMWATER SYSTEM OPERATION AND MAINTENANCE PLAN

Inspection & Maintenance Manual Log Form

Sophie Drive

Knox Marsh Development, LLC
242 Central Avenue
DOVER, NH 03820

BMP / System	Date Inspected	Inspector	Cleaning/Repair (List Items & Comments)	Repair Date	Performed By:

STORMWATER SYSTEM OPERATION AND MAINTENANCE PLAN

Deicing Log Form

Sophie Drive

Knox Marsh Development, LLC
242 Central Avenue
DOVER, NH 03820

Date	Amount Applied	Performed By:	Date	Amount Applied	Performed By:

STORMWATER SYSTEM OPERATION & MAINTENANCE PLAN CERTIFICATION

Owner	Responsibility
Name: Robert Baldwin, Managing Member Knox Marsh Development, LLC Address: 242 Central Avenue Dover, NH 03820 Telephone: 603-742-2121	The owner is responsible for the conduct of all construction activities, and ultimate compliance with all the provisions of the Stormwater System Operation & Maintenance Plan and the implementation of the Inspection and Maintenance Manual.

OWNER CERTIFICATION

I certify under penalty of law that this document and all attachments were prepared under my direction and supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Signed: _____ Date: _____

Printed Name:

Representing:

Pavement Temp. (°F) and Trend (↑ ↓)	Weather Condition	Maintenance Actions	Application Rate (lbs/per 1000 sq.ft.)			
			Salt Prewetted/Pretreated with salt brine	Salt Prewetted/Pretreated with other blends	Dry salt	Winter sand
>30 ↑	Snow	Plow, treat intersections only				Not recommended
	Frz. Rain	Apply chemical				Not recommended
30 ↓	Snow	Plow and apply chemical				Not recommended
	Frz. Rain	Apply chemical				Not recommended
25 - 30 ↑	Snow	Plow and apply chemical				Not recommended
	Frz. Rain	Apply chemical				Not recommended
25 - 30 ↓	Snow	Plow and apply chemical				Not recommended
	Frz. Rain	Apply chemical				3.25
20 - 25 ↑	Snow or frz. Rain	Plow and Apply chemical				3.25 for frz. Rain
20 - 25 ↓	Snow	Plow and apply chemical				Not recommended
	Frz. Rain	Apply chemical				3.25
15 - 20 ↑	Snow	Plow and apply chemical				Not recommended
	Frz. Rain	Apply chemical				3.25
15 - 20 ↓	Snow or Frz. Rain	Plow and apply chemical				3.25 for frz. Rain
0 to 15 ↑↓	Snow	Plow, treat with blends, sand hazardous areas	Not recommended		Not recommended	5.0 and spot-treat as needed
< 0	Snow	Plow, treat with blends, sand hazardous areas	Not recommended		Not recommended	5.0 and spot-treat as needed

Table 19. Application Rates for Deicing

These rates & table format are based on road application guidelines (Mn Snow & Ice Control Field Handbook, Manual 2005-1). Develop your own application rates by adjusting your current rates incrementally downward toward these guidelines. Where temperature categories overlap, select the rate most applicable to your situation.

Control of Invasive Plants

New Hampshire
Department of Agriculture,
Markets & Food
Douglas Cygan
603-271-3488
doug.cygan@agr.nh.gov

This guide lists garden plants and weeds which are already causing significant changes to natural areas in the Mid-Atlantic. **Measures for controlling each species are indicated by number, e.g., (3), in the text with a full explanation at the end of this article.** Click on the word Control: to jump to that section. Then click your "back" button to return to the text. Following each section suggested alternative plants are given. These alternatives are native plants, well adapted and needing little care, attractive to birds and butterflies, and an important part of the food web for our indigenous species.

INVASIVE TREES

NORWAY MAPLE (*Acer platanoides*) has large leaves similar to sugar maple. To easily confirm that the plant is Norway maple, break off a leaf and if it's truly Norway maple it will exude milky white sap. Fall foliage is yellow. (Exception: cultivars such as 'Crimson King,' which have red leaves in spring or summer, may have red autumn leaves.) The leaves turn color late, usually in late October after native trees have dropped their foliage. This tree suppresses growth of grass, garden plants, and forest understory beneath it, at least as far as the drip-line. Its wind-borne seeds can germinate and grow in deep shade. The presence of young Norway maples in our woodlands is increasing.

Control: (1); (7), (8), (9), or (10); (11) in mid-October to early November, before the leaves turn color.

TREE OF HEAVEN (*Ailanthus altissima*), is incredibly tough and can grow in the poorest conditions. It produces huge quantities of wind-borne seeds, grows rapidly, and secretes a toxin that kills other plants. Its long compound leaves, with 11-25 lance-shaped leaflets, smell like peanut butter or burnt coffee when crushed. Once established, this tree cannot be removed by mechanical means alone.

Control: (1) - seedlings only. Herbicide - use Garlon 3a (9) with no more than a 1" gap between cuts, or (10); plus (11) on re-growth. Or paint bottom 12" of bark with Garlon 4 Ultra (in February or March to protect surrounding plants). USE MAXIMUM STRENGTH SPECIFIED ON LABEL for all herbicide applications on Ailanthus. Glyphosate is not effective against Ailanthus.

INVASIVE SHRUBS

AUTUMN OLIVE (*Eleagnus umbellata*): Formerly recommended for erosion control and wildlife value, these have proved highly invasive and diminish the overall quality of wildlife habitat.

Control: (1) - up to 4" diameter trunks; (7) or (10) or bury stump. Do not mow.

MULTIFLORA ROSE (*Rosa multiflora*), formerly recommended for erosion control, hedges, and wildlife habitat, becomes a huge shrub that chokes out all other vegetation and is too dense for many species of birds to nest in, though a few favor it. In shade, it grows up trees like a vine. It is covered with white flowers in June. (Our native roses have fewer flowers, mostly pink.) Distinguish multiflora by its size, and by the presence of very hard, curved thorns, and a fringed edge to the leaf stalk.

Control: (1) - pull seedlings, dig out larger plants at least 6" from the crown and 6" down; (4) on extensive infestations; (10) or (11). It may remain green in winter, so herbicide may *applied when other plants are dormant. For foliar application, mix Rodeo with extra sticker-spreader, or use Roundup Sure Shot Foam on small plants.*

BUSH HONEYSUCKLES (*Lonicera spp.*), including Belle, Amur, Morrow's, and Tatarian honeysuckle. (In our region, assume that any honeysuckle is exotic unless it is a scarlet-flowered vine). Bush honeysuckles create denser shade than native shrubs, reducing plant diversity and eliminating nest sites for many forest interior species.
Control: (2) on ornamentals; (1); on shady sites only, brush cut in early spring and again in early fall (3); (4) during the growing season; (7); or (10) late in the growing season.

BLUNT-LEAVED PRIVET (*Ligustrum* obtusifolium). *Control:* (1); (7) or (10); or trim off all flowers. Do not cut back or mow.

BURNING BUSH, WINGED EUONYMUS (*Euonymus alatus*), identified by wide, corky wings on the branches.
Control: (1); (7) or (10); or trim off all flowers.

JAPANESE BARBERRY (*Berberis thunbergii*), and all cultivars and varieties.
Control: (1); (7) or (10); or trim off all flowers.

INVASIVE WOODY VINES

All of these vines shade out the shrubs and young trees of the forest understory, eventually killing them, and changing the open structure of the forest into a dense tangle. DO NOT PLANT NEXT TO OPEN SPACE.

JAPANESE HONEYSUCKLE (*Lonicera japonica*), including Hall's honeysuckle, has gold-and-white flowers with a heavenly scent and sweet nectar in June. This is probably the familiar honeysuckle of your childhood. It is a rampant grower that spirals around trees, often strangling them.
Control: (1); (3); (10); (11) in fall or early spring when native vegetation is dormant. Plan to re-treat repeatedly.

ORIENTAL BITTERSWEET (*Celastrus orbiculatus*) has almost completely displaced American bittersweet (*C. scandens*). The Asian plant has its flowers and bright orange seed capsules in clusters all along the stem, while the native species bears them only at the branch tips.
Control: (1); keep ornamental plants cut back, remove all fruits as soon as they open, and bag or burn fruits; to eradicate use Garlon 3a (10).

JAPANESE KNOTWEED, MEXICAN BAMBOO (*Polygonum cuspidatum*) can grow in shade. The stems have knotty joints, reminiscent of bamboo. It grows 6-10' tall and has large pointed oval or triangular leaves.
Control: Cut at least 3 times each growing season and/or treat with Rodeo (10) or (11). In gardens, heavy mulch or dense shade may kill it.

INVASIVE HERBACEOUS PLANTS

GARLIC MUSTARD (*Alliaria petiolata*, *A. officinalis*), a white-flowered biennial with rough, scalloped leaves (kidney-, heart- or arrow-shaped), recognizable by the smell of garlic and taste of mustard when its leaves are crushed. (The odor fades by fall.)
Control: Pull before it flowers in spring (1), removing crown and roots. Tamp down soil afterwards. Once it has flowered, cut (2), being careful not to scatter seed, then bag and burn or send to the landfill. (11) may be appropriate in some settings.

JAPANESE STILT GRASS (*Microstegium vimineum*) can be identified by its lime-green color and a line of silvery hairs down the middle of the 2-3" long blade. It tolerates sun or dense shade and quickly invades areas left bare or disturbed by tilling or flooding. An annual grass, it builds up a large seed bank in the soil.

Control: Easily pulled in early to mid-summer (1) - be sure to pull before it goes to seed. If seeds have formed, bag and burn or send to landfill. Mowing weekly or when it has just begun to flower may prevent it from setting seed (3). Use glyphosate (11) or herbicidal soap (less effective) on large infestations. Follow up with (5) in spring.

MILE-A-MINUTE VINE, DEVIL'S TAIL TEARTHUMB (*Polygonum perfoliatum*), a rapidly growing annual vine with triangular leaves, barbed stems, and turquoise berries in August which are spread by birds. It quickly covers and shades out herbaceous plants.
Control: same as for stilt grass.

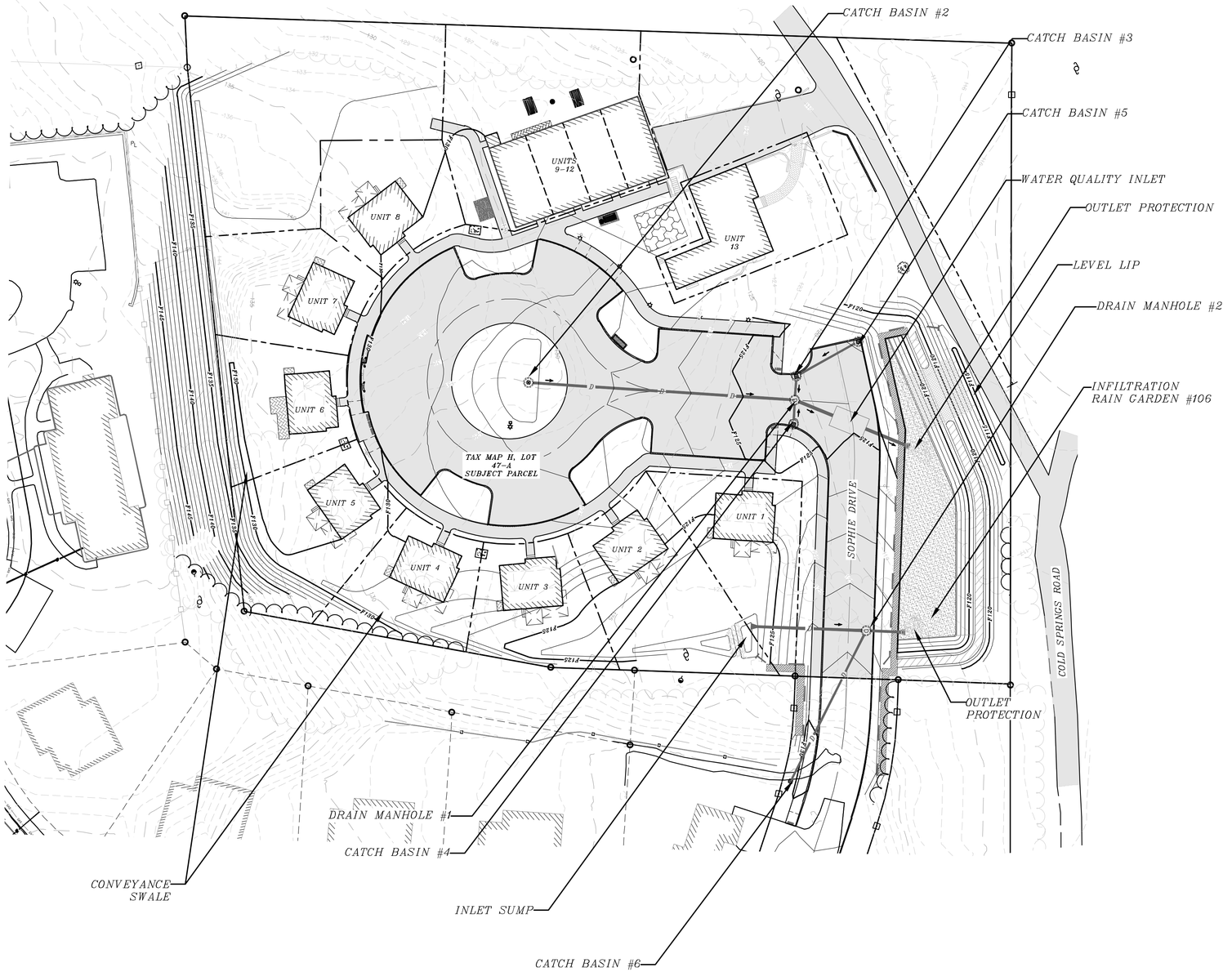
SPOTTED KNAPWEED (*Centaurea maculosa*), a biennial with thistle-like flowers.
Control: Do NOT pull (1) unless the plant is young and the ground is very soft - the tap root will break off and produce several new plants. Wear sturdy gloves. (2); (6); (10) or (11).

CONTROL MEASURES

(1) PULL seedlings and small or shallow-rooted plants when soil is moist. Dig out larger plants, including the root systems. Use a forked spade or weed wrench for trees or shrubs.
(2) DEADHEAD to prevent spread of seeds of invasive plants. Cut off seeds or fruits before they ripen. Bag, and burn or send to a landfill.
(3) MOW or CUTTING at least 4 times a season to deplete plants' store of nutrients and carbohydrates, reduce seed formation, and kill or minimize spread of plants. If necessary, repeat each year.
(4) CONTROLLED BURNING during the spring, repeated over several years, allows native vegetation to compete more effectively with the invasive species. This requires a permit. Spot treatment with glyphosate in late fall can be used to make this method more effective.
(5) Use a CORN-BASED PRE-EMERGENCE HERBICIDE on annual weeds. This product is also an organic fertilizer, i.e., it can stimulate growth of existing plants, including weeds, so it is appropriate for lawns and gardens but may not be appropriate in woodlands.
(6) In lawns, SPOT TREAT with BROAD-LEAF WEEDKILLER. Good lawn-care practices (test soil; use lime and fertilizer only when soil test shows a need; mow high and frequently; leave clippings on lawn) reduce weed infestations.
(7) CUT DOWN the tree. Grind out the stump, or clip off re-growth.
(8) GIRDLE tree: cut through the bark and growing layer (cambium) all around the trunk, about 6" above the ground. Girdling is most effective in spring when the sap is rising, and from middle to late summer when the tree is sending down food to the roots. Clip off sucker sprouts.
(9) FRILL: Using a machete, hatchet or similar device, hack scars (several holes in larger trees) downward into the cambium layer, and squirt in glyphosate (or triclopyr if recommended in text above). Follow label directions for Injection and Frill Applications. This is most effective from middle to late summer. Clip off any sucker sprouts or treat with glyphosate.
(10) CUT STEM / CUT STUMP WITH GLYPHOSATE (or triclopyr if specified above). Follow label directions for Cut Stump Application. Clip off sucker sprouts or paint with glyphosate. See Note on Herbicides.
(11) FOLIAR SPRAY WITH GLYPHOSATE herbicide (see Note on Herbicides). Use a backpack or garden sprayer or mist blower, following label directions. Avoid overspray and/or dripping onto non-target plants, because glyphosate kills most plants except moss. If it rolls off waxy or grass-like foliage, use additional sticker-spreader. Deciduous trees, shrubs, and perennials move nutrients down to the roots in late summer. Glyphosate is particularly effective at this time and when plants have just gone out of flowering. Several invasive species retain their foliage after native plants have lost theirs, and resume growth earlier in spring than most natives. This allows you to treat them without harming the natives. However, the plant must be actively growing for the herbicide to work. Retreatments may be necessary the following year if suckering occurs or the plant hasn't been entirely killed.

NOTE ON HERBICIDES: It is highly recommended that small populations try to be controlled using non-chemical methods wherever feasible. However, for large infestations, and for a few plants specified above, herbicide use is essential. Apply herbicides carefully to avoid non-target plants, glyphosate is the least environmentally damaging herbicide in most cases. Add food coloring for visibility, and a soap-based sticker such as Cide-Kick. Glyphosate is ineffective on some

plants; for these, triclopyr (Garlon) may be indicated. When using herbicides, read the entire label and observe all precautions listed, including proper disposal. If in doubt, call your local Cooperative Extension Service.



NOTES:

1.) OWNER: 5 SHERMAN STREET LLC
242 CENTRAL AVE
DOVER, NH 03820

APPLICANT: KNOX MARSH DEVELOPMENT LLC
242 CENTRAL AVE
DOVER, NH 03820

2.) TAX MAP H, LOT 47-A

3.) S.C.R.D. BOOK 5190, PAGE 597

4.) LOT AREA: 117,854 Sq. Ft., 2.71 Ac.

5.) THE INTENT OF THIS PLAN IS TO DEMONSTRATE THE DRAINAGE INFRASTRUCTURE THAT REQUIRES PERIODIC INSPECTION AND MAINTENANCE. IT IS TO ACCOMPANY A DOCUMENT ENTITLED "STORMWATER SYSTEM MANAGEMENT: INSPECTION AND MAINTENANCE MANUAL" PUBLISHED BY BERRY SURVEYING & ENGINEERING ON THE SAME DATE.

6.) 11x17" PLANS ARE TWICE THE PUBLISHED SCALE.

7.) DESIGN NOTE: THERE IS NO CATCH BASIN #1, CATCH BASIN NUMBER STARTS WITH #2.

LEGEND:

- PROPOSED DRAIN MANHOLE W/ STRUCTURE
- PROPOSED CATCH BASIN W/ STRUCTURE
- CONTOUR MINOR, EXISTING
- CONTOUR MAJOR, EXISTING
- CONTOUR MINOR, PROPOSED
- CONTOUR MAJOR, PROPOSED
- EXISTING DRAINAGE LINE
- PROPOSED DRAINAGE LINE
- RIP RAP
- STORMWATER BEST MANAGEMENT PRACTICE (BMP)
- BERM
- RETAINING WALL

GRAPHIC SCALE

30 0 15 30 60 120

(IN FEET)
1 inch = 30 ft.

CITY OF DOVER PLANNING FILE #

REVISION	DATE	DESCRIPTION
#1	10-17-24	REVISED UNIT COUNT AND ASSOCIATED MODIFICATIONS

STORMWATER INSPECTION & MAINTENANCE PLAN
FOR
KNOX MARSH DEVELOPMENT LLC
LAND OF
5 SHERMAN STREET LLC
1 COLD SPRINGS ROAD
DOVER, N.H.
TAX MAP H, LOT 47-A

BERRY SURVEYING & ENGINEERING
335 SECOND CROWN POINT ROAD
BARRINGTON, NH 03825 (603)332-2863

SCALE : 1 IN. EQUALS 30 FT.
DATE : SEPTEMBER 1, 2024
FILE NO. : DB 2023 - 126

KENNETH A. BERRY No. 11447 LICENSED PROFESSIONAL ENGINEER - STATE OF NEW HAMPSHIRE

NOT FOR CONSTRUCTION

P1

BIORETENTION FILTER MEDIA MIXTURES			
Component Material	Percent of Mixture by Volume	Gradation of material	
		Sieve No.	Percent by Weight Passing Standard Sieve
Bioretention Filter Media Option A			
ASTM C-33 concrete sand	50 to 55		
Loamy sand topsoil, with fines as indicated	20 to 30	200	15 to 25
Moderately fine shredded bark or wood fiber mulch, with fines as indicated	20 to 30	200	< 5

3/8" WASHED CRUSHED STONE*

SIEVE SIZE	% PASSING BY WEIGHT
1/2"	100
3/8"	95 – 100
# 4	22 – 55
# 8	0 – 10

* EQUIVALENT TO STANDARD WASHED STONE – SECTION 702 OF NHDOT NHDOT STANDARD SPECIFICATIONS

1-1/2" WASHED CRUSHED STONE*

SIEVE SIZE	% PASSING BY WEIGHT
2"	100
1-1/2"	90 – 100
1"	20 – 55
1/2"	0 –15
3/8"	0 –5

* EQUIVALENT TO STANDARD WASHED STONE – SECTION 702 OF NHDOT NHDOT STANDARD SPECIFICATIONS

NOTES

1. WHEN CONTRACTOR EXCAVATES RAIN GARDEN AREA TO SUBGRADE, DESIGN ENGINEER SHALL PERFORM SUBSURFACE EVALUATION PRIOR TO THE PLACEMENT OF ANY SELECT MATERIAL OR OTHER BACKFILL.
2. SOIL BIORETENTION FILTER MEDIA SHALL BE AS SHOWN ABOVE. "BIO MEDIA" MEANS BIORETENTION FILTER MADIA.
3. COMPACTION IS NOT TO OCCUR IN THE RAIN GARDEN AREAS PRIOR TO CONSTRUCTION. SCARIFICATION REQUIRED IN THE EVENT COMPACTION TAKES PLACE.
4. DO NOT PLACE THE BIORETENTION SYSTEM INTO SERVICE UNTIL THE BMP HAS BEEN PLANTED AND ITS CONTRIBUTING AREAS HAVE BEEN FULLY STABILIZED.
5. DO NOT DISCHARGE SEDIMENT-LADEN WATERS FROM CONSTRUCTION ACTIVITIES (RUNOFF WATER FROM EXCAVATIONS) TO THE BIORETENTION AREA DURING ANY STAGE OF CONSTRUCTION.
6. DO NOT TRAFFIC EXPOSED SOIL SURFACE WITH CONSTRUCTION EQUIPMENT. IF FEASIBLE PERFORM EXCAVATIONS WITH EQUIPMENT POSITIONED OUTSIDE THE LIMITS OF THE INFILTRATION COMPONENTS OF THE SYSTEM.

MAINTENANCE REQUIREMENTS

1 SYSTEMS SHOULD BE INSPECTED AT LEAST TWICE ANNUALLY, AND FOLLOWING ANY RAINFALL EXCEEDING 0.25 INCHES IN A 24-HOUR PERIOD, WITH MAINTENANCE OR REHABILITATION CONDUCTED AS A WARRANTED BY SUCH INSPECTION.

2 PRETREATMENT MEASURES SHOULD BE INSPECTED AT LEAST TWICE ANNUALLY, AND CLEANED OF ACCUMULATED SEDIMENT AS WARRANTED BY INSPECTION, BUT NO LESS THAN ONCE ANNUALLY.

3 AT LEAST ONCE ANNUALLY, SYSTEM SHOULD BE INSPECTED FOR DRAWDOWN TIME. IF BIORETENTION SYSTEM DOES NOT DRAIN WITHIN 72-HOURS FOLLOWING A RAINFALL EVENT, THEN A QUALIFIED PROFESSIONAL SHOULD ASSESS THE CONDITION OF THE FACILITY TO DETERMINE MEASURES REQUIRED TO RESTORE FILTRATION FUNCTION OR INFILTRATION FUNCTION (AS APPLICABLE), INCLUDING BUT NOT LIMITED TO REMOVAL OF ACCUMULATED SEDIMENTS OR RECONSTRUCTION OF THE FILTER MEDIA.

4 VEGETATION SHOULD BE INSPECTED AT LEAST ANNUALLY, AND MAINTAINED IN HEALTHY CONDITION, INCLUDING, PRUNING, REMOVAL, AND REPLACEMENT OF DEAD OR DISEASED VEGETATION, AND REMOVAL OF INVASIVE SPECIES.

DESIGN REFERENCES

1 UNH STORMWATER CENTER
2 NEW HAMPSHIRE STORMWATER MANAGEMENT MANUAL, VOLUME 2, DECEMBER 2008 AS AMENDED.

RAIN GARDEN MIX

THE GRASS THAT IS PLANTED WITHIN A RAIN GARDEN BIO-FILTRATION SYSTEM WITHIN THE BIO-MEDIA MUST CONSIST OF A COMBINATION OF WARM SEASON GRASS SEED AND COLD SEASON GRASS SEED IN ORDER FOR THE GRASS TO START GROWING FOR STABILIZATION AND CONTINUE GROWING IN THE SANDY WELL-DRAINED ENVIRONMENT. PLANTING SPECIFICATION WILL MEET THE REQUIREMENTS AS OUTLINED IN "VEGETATION NEW HAMPSHIRE SAND AND GRAVEL PITS" MIX 1 (WARM SEASON GRASSES) (15 LBS/AC) AND INCLUDE ANNUAL AND PERENNIAL RYE GRASS SEED (15 LBS/AC); THE NEW ENGLAND NATIVE WARM SEASON GRASS MIX (23 LBS/AC) BY NEW ENGLAND WETLAND PLANTS, INC.; RAIN GARDEN MIX 180 (15 LBS/AC & 15 LBS/AC OF RYE) / RAIN GARDEN GRASS MIX 180-1 (20 LBS/AC & 10 LBS/AC OF RYE) BY ERNST CONSERVATION SEEDS; OR APPROVED EQUAL.

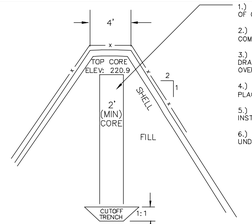
STABILIZATION NOTE:

SEE NOTE #6, SHEET E-102, DETAIL E-18
SIDE SLOPES ARE TO BE STABILIZED WITHIN THREE WORKING DAY UPON COMPLETION OF FINAL GRADE.

P2

LOW PERMEABILITY MATERIAL GRADATION

SIEVE SIZE	% PASSING BY WEIGHT
#4	95 – 100
#40	60 – 95
#100	40 – 60
#200	25 – 45



1.) 2' CORE IS TO BE CONSTRUCTED OF COMPACTED LOAM MATERIAL.

2.) CORE IS TO BE INSTALLED & COMPACTED IN 12" LIFTS.

3.) INSTALLATION OF ENTIRE DRAINAGE STRUCTURE IS TO BE OVERSEEN BY DESIGN ENGINEER.

4.) GENERAL FILL MATERIALS ARE TO PLACED & COMPACTED IN 12" LIFTS.

5.) GENERAL FILL MATERIAL MAY BE INSTALLED USING ONSITE MATERIALS.

6.) CORE IS TO BE CONSTRUCTED UNDERNEATH THE PROPOSED SPILLWAY.

INFILTRATION SURFACE PROTECTION NOTE:

SEE EROSION AND SEDIMENT CONTROL PLAN
IT IS RECOMMENDED THAT THE CONTRACTOR TAKE MEASURES TO PROTECT THE INFILTRATION SURFACE FROM SEDIMENTATION CAUSED BY EROSION ON THE SIDE SLOPES TRACKING IS NOT PERMITTED ON THE INFILTRATION SURFACE. EXCAVATIONS SHOULD TAKE PLACE ON THE OUTSIDE LIMITS OF THE INFILTRATION SYSTEM WHERE FEASIBLE. IF TRACKING DOES TAKE PLACE, SCARIFICATION IS REQUIRED PRIOR TO BE BACKFILL OF LOAM AND SEED.

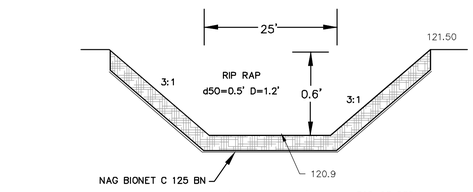
AFTER THE INFILTRATION SYSTEM AREA IS EXCAVATED TO THE FINAL DESIGN ELEVATION, THE FLOOR SHOULD BE DEEPLY TILLED WITH A ROTARY TILLER OR DISC HARROW TO RESTORE INFILTRATION RATES, FOLLOWED BY A PASS WITH A LEVELING DRAG.

DO NOT PLACE INFILTRATION SYSTEMS INTO SERVICE UNTIL THE CONTRIBUTING AREAS HAVE BEEN FULLY STABILIZED.

P3

SPILLWAY DETAILS

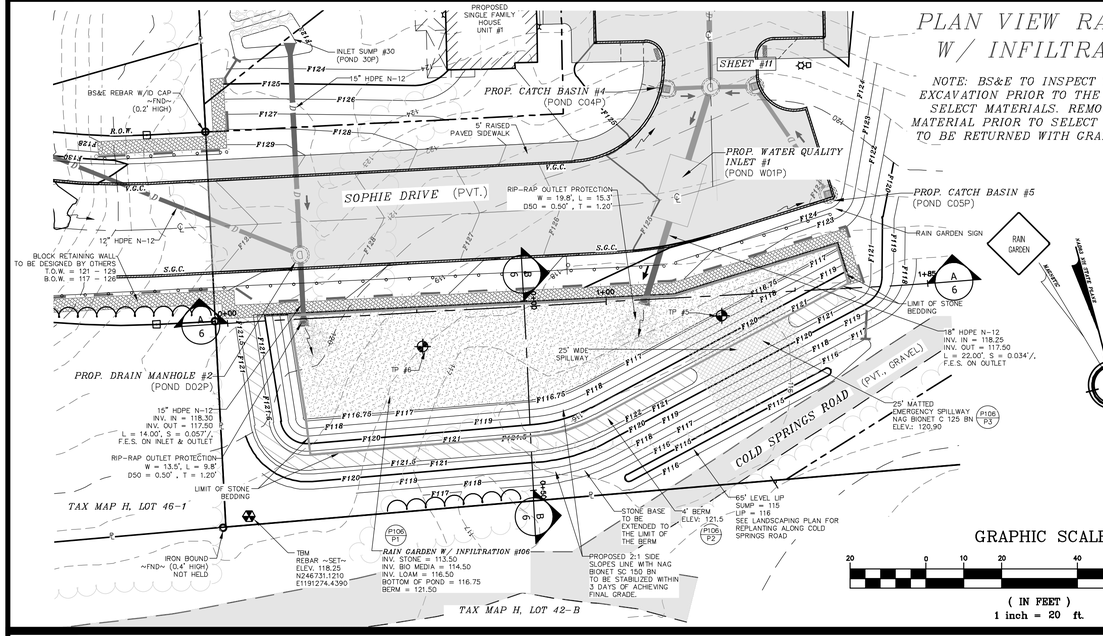
NOT TO SCALE



EMERGENCY SPILLWAY PROFILE

PLAN VIEW RAIN GARDEN W/ INFILTRATION #106

NOTE: BS&E TO INSPECT THE BOTTOM OF EXCAVATION PRIOR TO THE INSTALLATION OF SELECT MATERIALS. REMOVE ALL ORGANIC MATERIAL PRIOR TO SELECT MATERIALS. GRADE TO BE RETURNED WITH GRANULAR MATERIALS.



GRAPHIC SCALE

20 0 10 20 40 80

(IN FEET)
1 inch = 20 ft.

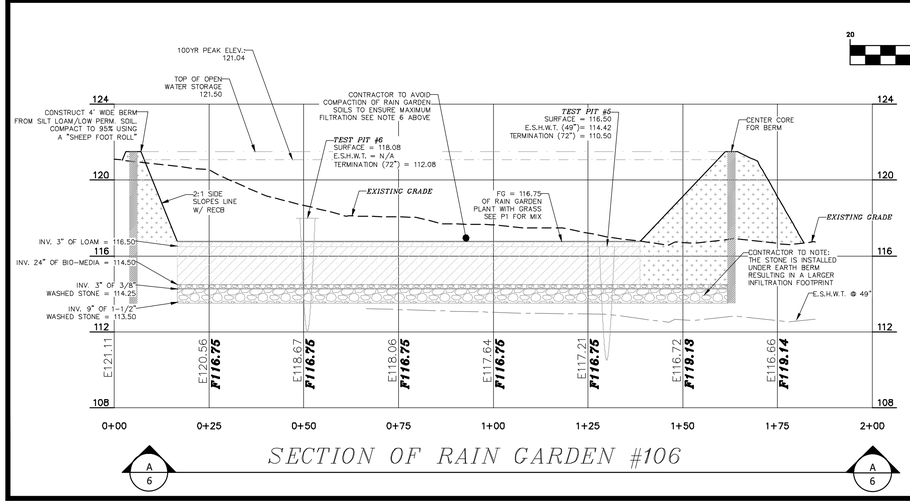
LEGEND:

- PROPOSED CATCH BASIN W/ STRUCTURE
- PROPOSED DRAIN MANHOLE W/ STRUCTURE
- TEMPORARY BENCHMARK (T.B.M.)
- DETAIL SHEET / DETAIL
- CONTOUR MINOR, EXISTING
- CONTOUR MAJOR, EXISTING
- CONTOUR MINOR, PROPOSED
- CONTOUR MAJOR, PROPOSED
- CENTER LINE
- GUARD RAIL
- PROPOSED DRAINAGE LINE
- FLOW ARROW
- RIP RAP
- STORMWATER BEST MANAGEMENT PRACTICE (BMP)
- BERM
- RETAINING WALL
- TEST PIT
- PROPOSED BITUMINOUS CONCRETE

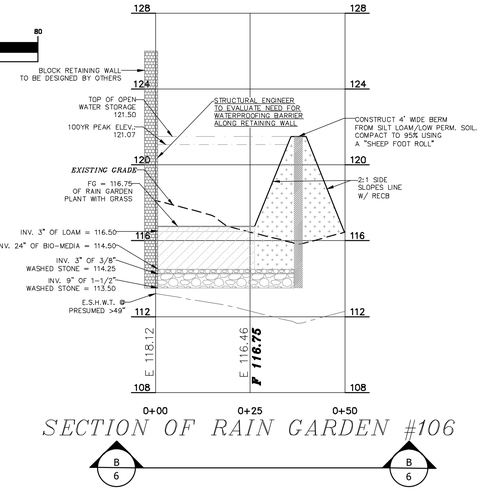
GRAPHIC SCALE

20 0 10 20 40 80

(IN FEET)
1 inch = 20 ft.
VERTICAL SCALE: 1" = 4'



SECTION OF RAIN GARDEN #106



SECTION OF RAIN GARDEN #106

ASTM C-33 FINE AGGREGATE	
SIEVE SIZE	% PASSING BY WEIGHT
3/8"	100
# 4	95 – 100
# 8	80 – 100
# 16	50 – 85
# 30	25 – 60
# 16	10 – 30
# 30	2 – 10

TABLE 7-24--RECOMMENDED RIP RAP GRADATION RANGES				
d50 SIZE=	0.5	FEET	6	INCHES
% OF WEIGHT SMALLER THAN THE GIVEN d50 SIZE		SIZE OF STONE (INCHES) FROM		TO
100%		9		12
85%		8		11
50%		6		9
15%		2		3

P-106

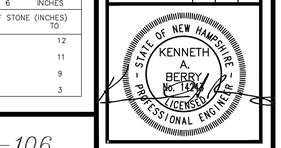
#	REVISION	DATE	DESCRIPTION
#1		10-17-24	REVISED UNIT COUNT AND ASSOCIATED MODIFICATIONS

CITY OF DOVER PLANNING FILE #

RAIN GARDEN W/ INFILTRATION #106
FOR
KNOX MARSH DEVELOPMENT LLC
LAND OF
5 SHERMAN STREET LLC
1 COLD SPRINGS ROAD
DOVER, N.H.
TAX MAP H, LOT 47-A

BERRY SURVEYING & ENGINEERING
335 SECOND CROWN POINT ROAD
BARRINGTON, NH 03825 (603)332-2863

SCALE : 1 IN. EQUALS 20 FT.
DATE : SEPTEMBER 1, 2024
FILE NO. : DB 2023 – 126



Welcome to New Hampshire's Watershed Report Cards built from the 2020/2022, 305(b)/303(d)

Each Watershed Report Card covers a single 12-digit Hydrologic Unit Code (HUC12), on average a 34 square mile area. Each Watershed Report Card has three components;

1. REPORT CARD - A one page card that summarizes the overall use support for Aquatic Life Integrity, Primary Contact (i.e. Swimming), and Secondary Contact (i.e. Boating) Designated Uses on every Assessment Unit ID (AUID) within the HUC12.
2. HUC 12 MAP - A map of the watershed with abbreviated labels for each AUID within the HUC12.
3. ASSESSMENT DETAILS - Anywhere from one to forty pages with the detailed assessment information for each and every AUID in the Report Card and Map.

How are the Surface Water Quality Assessment determinations made?

All readily available data with reliable Quality Assurance/Quality Control is used in the biennial surface water quality assessments. For a full understanding of how the Surface Water Quality Standards (Env-Wq 1700) are translated into surface water quality assessments we urge the reader to review the 2020/2022 Consolidated Assessment and Listing Methodology (CALM).

Where can I find more advanced mapping resources?

GIS files are available by assessment cycle at the NHDES FTP site.

I'd like to see the more raw water quality data?

The web mapping tool allows you to download the data used in the assessment of the primary contact and aquatic life designated uses by clicking on the "Data Access Waterbody Data (Aquatic Life and Swimming Uses)" link for any assessment unit.

How are assessments coded in the report card?

Assessment outcomes are displayed on a color scale as well as an alpha numeric scale that provides additional distinctions for the designated use and parameter level assessments as outlined in the table below.

		Severe Not Supporting, Severe	**Poor** Not Supporting, Marginal	**Likely Bad** Insufficient Information – Potentially Not Supporting	**No Data** No Data	**Likely Good** Insufficient Information – Potentially Full Supporting	**Marginal** Full Support, Marginal	**Good** Full Support, Good
CATEGORY	**Description**							
Category 2	Meets standards						2-M or 2-OBS	2-G
Category 3	Insufficient Information			3-PNS	3-ND	3-PAS		
Category 4	Does not Meet Standards;							
4A	TMDL* Completed	4A-P	4A-M or 4A-T					
4B	Other enforceable measure will correct the issue.	4B-P	4B-M or 4B-T					
4C	Non-pollutant (i.e. exotic weeds)	4C-P	4C-M					
Category 5	TMDL* Needed	5-P	5-M or 5-T					

* TMDL stands for Total Maximum Daily Load studies

Watershed 305(b) Assessment Summary Report:

Assessment Cycle: 2020/2022

HUC 12: 010600030903

HUC 12 Name: Bellamy River

(Locator map on next page only applies to this HUC12)

Good	Meets water quality standards/thresholds by a relatively large margin.
Marginal	Meets water quality standards/thresholds but only marginally.
Likely Good	Limited data available, however, the data that is available suggests that the parameter is Potentially Attaining Standards (PAS).
No Current Data	Insufficient information to make an assessment decision.
Likely Bad	Limited data available, however, the data that is available suggests that the parameter is Potentially Not Supporting (PNS) water quality standards.
Poor	Not meeting water quality standards/thresholds. The impairment is marginal.
Severe	Not meeting water quality standards/thresholds. The impairment is more severe and causes poor water quality.

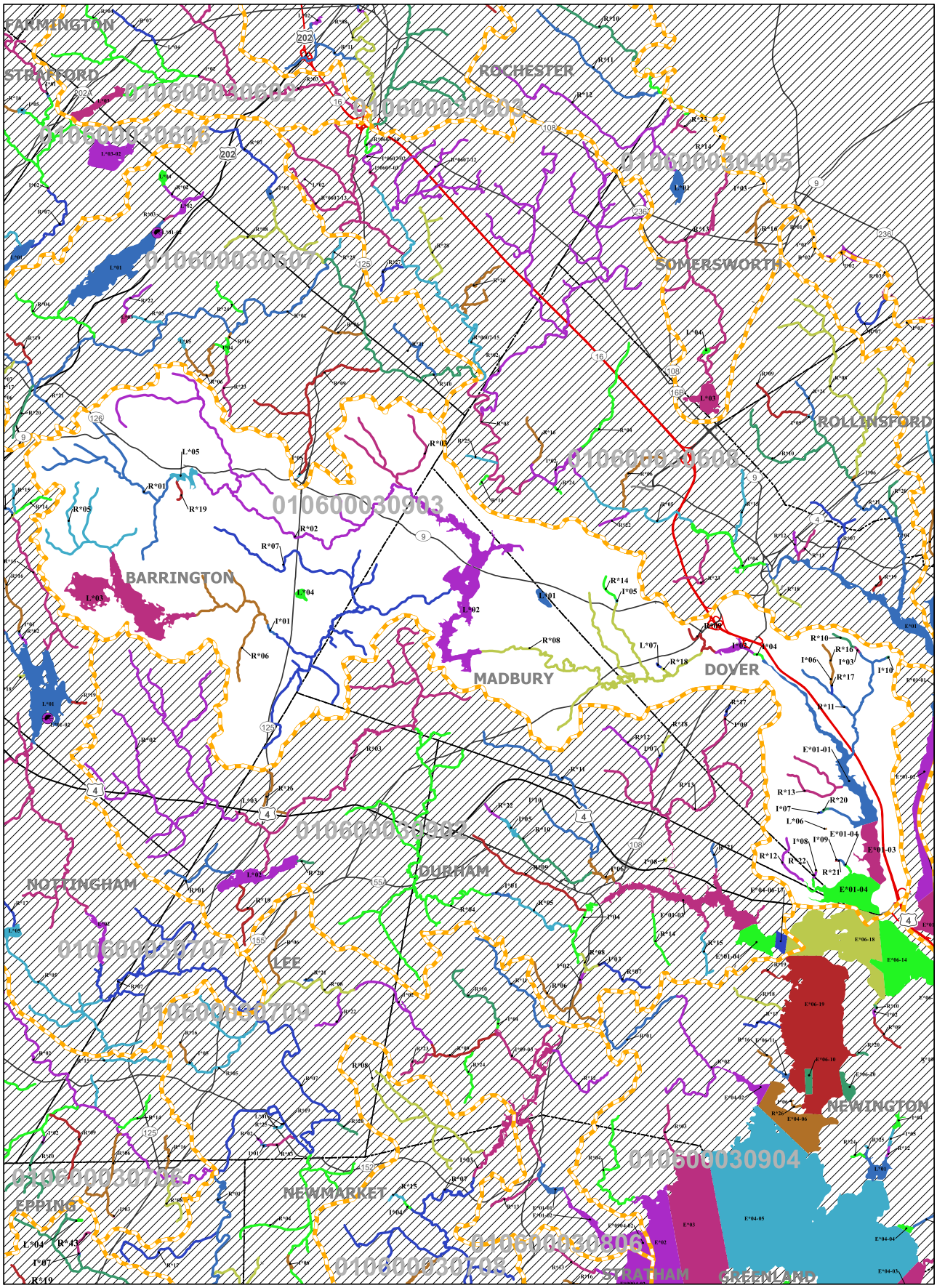





Assessment Unit ID	Map Label	Assessment Unit Name	Aquatic Life	Fish Consump.	Swimming	Boating
NHEST600030903-01-01	E*01-01	Bellamy River North		5-M	2-G	2-G
NHEST600030903-01-03	E*01-03	Bellamy River South Clement Point	5-P	5-M	2-G	2-G
NHEST600030903-01-04	E*01-04	Bellamy River South	5-P	5-M	2-G	2-G
NHIMP600030903-01	I*01	Bellamy River	3-ND	4A-M	3-ND	3-ND
NHIMP600030903-02	I*02	Bellamy River - Sawyers Mill Dam Pond	5-M	4A-M	5-M	3-ND
NHIMP600030903-03	I*03	Canney Brook - Wildlife Pond	3-ND	4A-M	3-ND	3-ND
NHIMP600030903-04	I*04	Bellamy River Iv Dam	3-ND	4A-M	3-ND	3-ND
NHIMP600030903-05	I*05	Knox Marsh Brook	3-ND	4A-M	3-ND	3-ND
NHIMP600030903-06	I*06	Unnamed Brook - Thornwood Commons Pond	3-ND	4A-M	3-ND	3-ND
NHIMP600030903-07	I*07	Unnamed Brook - Bellamy River Wildlife Pond	3-ND	4A-M	3-ND	3-ND
NHIMP600030903-08	I*08	Unnamed Brook - Farm Pond	3-ND	4A-M	3-ND	3-ND
NHIMP600030903-09	I*09	Unnamed Brook - Webster Brook Dam	3-ND	4A-M	3-ND	3-ND

NHIMP600030903-10	I*10	Unnamed Brook - Farm Pond	3-ND	4A-M	3-ND	3-ND
NHLAK600030903-01	L*01	Barbadoes Pond	3-ND	4A-M	3-ND	3-ND
NHLAK600030903-02	L*02	Bellamy Reservoir	5-M	4A-M	3-ND	3-ND
NHLAK600030903-03	L*03	Swains Lake	5-P	4A-M	3-PAS	3-ND
NHLAK600030903-04	L*04	Winkley Pond	5-P	4A-M	3-ND	3-ND
NHLAK600030903-05	L*05	Branch Mallego Brook Pond	3-ND	4A-M	3-ND	3-ND
NHLAK600030903-06	L*06	Farm Pond	3-ND	4A-M	3-ND	3-ND
NHLAK600030903-07	L*07	Unnamed Pond	3-ND	4A-M	3-ND	3-ND
NHRIV600030903-01	R*01	Madla Brook	5-M	4A-M	3-ND	3-ND
NHRIV600030903-02	R*02	Mallego Brook	5-P	4A-M	3-ND	3-ND
NHRIV600030903-03	R*03	Calef Brook	3-ND	4A-M	3-ND	3-ND
NHRIV600030903-05	R*05	Unnamed Brook - To Swains Lake	3-ND	4A-M	3-ND	3-ND
NHRIV600030903-06	R*06	Bellamy River - Unnamed Brook	5-M	4A-M	3-ND	3-ND
NHRIV600030903-07	R*07	Bellamy River	5-P	4A-M	4A-P	4A-P
NHRIV600030903-08	R*08	Bellamy River - Kelly Brook - Knox Marsh Brook	5-P	4A-M	4A-P	3-PAS
NHRIV600030903-09	R*09	Bellamy River - Unnamed Brook	5-M	4A-M	4A-P	3-ND
NHRIV600030903-10	R*10	Canney Brook	3-ND	4A-M	3-ND	3-ND
NHRIV600030903-11	R*11	Varney Brook - Canney Brook	3-ND	4A-M	4A-P	4A-M
NHRIV600030903-12	R*12	Unnamed Brook - To Bellamy River Royalls Cove	3-ND	4A-M	3-ND	3-ND
NHRIV600030903-13	R*13	Garrison Brook	3-ND	4A-M	4A-P	3-ND
NHRIV600030903-14	R*14	Knox Marsh Brook	3-ND	4A-M	3-ND	3-ND
NHRIV600030903-16	R*16	Unnamed Brook	3-ND	4A-M	3-ND	3-ND
NHRIV600030903-17	R*17	Varney Brook	3-ND	4A-M	3-ND	3-ND
NHRIV600030903-18	R*18	Unnamed Brook	3-ND	4A-M	3-ND	3-ND
NHRIV600030903-19	R*19	Unnamed Brook	3-ND	4A-M	3-ND	3-ND
NHRIV600030903-20	R*20	Unnamed Brook	3-ND	4A-M	3-ND	3-ND
NHRIV600030903-21	R*21	Unnamed Brook	3-ND	4A-M	3-ND	3-ND
NHRIV600030903-22	R*22	Unnamed Brook	3-ND	4A-M	3-ND	3-ND

AUIDs For HUC12: 010600030903 - Bellamy River



HUC12 Boundaries
Town Boundaries

Major Roads
Interstate Highway
US Highway
State Highway

Assessment Unit Coloring
AUs Ending with:
0 =
1 =
2 =
3 =
4 =
5 =
6 =
7 =
8 =
9 =

N
W E
S

Abbrv. Label	HUC 12
L*03	010700060201

AUID = NHLAK700060201-03

Assessment Unit IDs are derived from the HUC12 they reside within. The labels have been shortened on this map for presentation purposes.
Example: the Label "L*03" in HUC12 = 010700060201 represents AUID = "NHLAK700060201-03"
In rare cases where an AUID extends beyond the boundary of a single HUC12, additional portions of the end of the HUC 12 number have also been replaced.

0 0.8 1.6 2.4 3.2 Miles

Scale:1:78,820

S:\WD-Watershed\WQ_Planning\305b_303d\2020\Report_Cards\HUC12_maps

Assessment Unit ID: NHRIV600030903-08
Assessment Unit Name: Bellamy River - Kelly Brook - Knox Marsh Brook
Town(s) Primary Town is Listed First: Dover, Madbury

Size: 9.4540 MILES
Assessment Unit Category: 5-P
Beach: N

2020/2022, 305(b)/303(d) - All Reviewed Parameters by Assessment Unit

Designated Use Description	Desig. Use Category	Parameter Name	Parameter Threatened (Y/N)	Last Sample	Last Exceed	Parameter Category	TMDL Priority
Aquatic Life Integrity	5-P	ALKALINITY, CARBONATE AS CACO3	N	1990	1990	3-ND	
		ALUMINUM	N	2019	2017	5-M	LOW
		AMMONIA (TOTAL)	N	1997	N/A	3-ND	
		ARSENIC	N	1990	N/A	3-ND	
		Benthic-Macroinvertebrate Bioassessments (Streams)	N	2000	2000	5-P	LOW
		CADMIUM	N	1990	N/A	3-ND	
		CHLORIDE	N	2019	N/A	2-G	
		COPPER	N	2016	2016	3-PNS	
		DISSOLVED OXYGEN SATURATION	N	2019	2007	2-G	
		Fishes Bioassessments (Streams)	N			3-PAS	
		Habitat Assessment (Streams)	N	2000	2000	4C-P	
		IRON	N	1997	N/A	3-ND	
		LEAD	N	2000	2000	3-ND	
		NICKEL	N	1990	N/A	3-ND	
		OXYGEN, DISSOLVED	N	2019	2016	2-M	

Good	Marginal	Likely Good	No Current Data	Likely Bad	Poor	Severe
Meets water quality standards/thresholds by a relatively large margin.	Meets water quality standards/thresholds but only marginally.	Limited data available. The data that is available suggests that the parameter is Potentially Attaining Standards (PAS)	Insufficient information to make an assessment decision.	Limited data available The data that is available suggests that the parameter is Potentially Not Supporting (PNS) water quality standards.	Not meeting water quality standards/thresholds. The impairment is marginal.	Not meeting water quality standards/thresholds The impairment is more severe and causes poor water quality.

Aquatic Life Integrity	5-P	PH	N	2019	2019	5-M	LOW
		PHOSPHORUS (TOTAL)	N	2019	NLV	3-PNS	
		SELENIUM	N	1990	N/A	3-ND	
		TURBIDITY	N	2019	2008	3-PAS	
		ZINC	N	2016	1998	3-PAS	
Fish Consumption	4A-M	ARSENIC	N	1990	1990	3-ND	
		COPPER	N	2016	N/A	3-PAS	
		MANGANESE	N	1990	N/A	3-ND	
		MERCURY - FISH CONSUMPTION ADVISORY	N			4A-M	
		NICKEL	N	1990	N/A	3-ND	
		SELENIUM	N	1990	N/A	3-ND	
		ZINC	N	2016	N/A	3-PAS	
Potential Drinking Water Supply	2-G	ARSENIC	N	1990	1990	3-ND	
		COPPER	N	2016	N/A	3-PAS	
		ESCHERICHIA COLI	N	2019	2019	3-PNS	
		FECAL COLIFORM	N	1990	1990	3-ND	
		FLUORIDE	N	1997	N/A	3-ND	
		IRON	N	1997	1997	3-ND	
		MANGANESE	N	1990	N/A	3-ND	
		NICKEL	N	1990	N/A	3-ND	
		SELENIUM	N	1990	N/A	3-ND	
		SULFATES	N	2016	N/A	3-PAS	

Good	**Marginal**	**Likely Good**	**No Current Data**	**Likely Bad**	**Poor**	**Severe**
Meets water quality standards/thresholds by a relatively large margin.	Meets water quality standards/thresholds but only marginally.	Limited data available. The data that is available suggests that the parameter is Potentially Attaining Standards (PAS)	Insufficient information to make an assessment decision.	Limited data available The data that is available suggests that the parameter is Potentially Not Supporting (PNS) water quality standards.	Not meeting water quality standards/thresholds. The impairment is marginal.	Not meeting water quality standards/thresholds The impairment is more severe and causes poor water quality.

Potential Drinking Water Supply	2-G	ZINC	N	2016	N/A	3-PAS	
Primary Contact Recreation	4A-P	CHLOROPHYLL-A	N	1990	N/A	3-ND	
		ESCHERICHIA COLI	N	2019	2018	4A-P	
Secondary Contact Recreation	3-PAS	ESCHERICHIA COLI	N	2019	2016	3-PAS	
Wildlife	3-ND						

Good	**Marginal**	**Likely Good**	**No Current Data**	**Likely Bad**	**Poor**	**Severe**
Meets water quality standards/thresholds by a relatively large margin.	Meets water quality standards/thresholds but only marginally.	Limited data available. The data that is available suggests that the parameter is Potentially Attaining Standards (PAS)	Insufficient information to make an assessment decision.	Limited data available The data that is available suggests that the parameter is Potentially Not Supporting (PNS) water quality standards.	Not meeting water quality standards/thresholds. The impairment is marginal.	Not meeting water quality standards/thresholds The impairment is more severe and causes poor water quality.

Outstanding Resource Waters, Impairments, and completed TMDLs.
File last update March 16, 2022.

2020/2022 Assessment Mapper | NHDES TMDL Info | EPA TMDL Info | OneStop Mapper

Applicable EPA Approved Assessment Cycle	Assessment Unit ID (AUID) (for mapped extent, see the 2020/2022 Assessment Mapper)	Assessment Unit Name	Town(s) - Primary town listed first	Water Size	Size Unit	Designated Use	Parameter Name	Parameter Level - NHDES Category	TMDL Approval Date	TMDL Name [All freshwaters are covered by the Mercury TMDL (Approved 12/21/2007, TMDL ID 33883)]	TMDL ID	Outstanding Resource Water (ORW) (AUIDs not shown are Non-ORWs) {See the OneStop Mapper if your AUID says "Review OneStop GIS ORW Layer"}
2020/2022	NHEST600030406-01	SALMON FALLS RIVER	DOVER, ROLLINSFORD, RYE	0.282	SQUARE MILES	Aquatic Life Integrity	Chlorophyll-a	5-P				Non-ORW
2020/2022	NHEST600030406-01	SALMON FALLS RIVER	DOVER, ROLLINSFORD, RYE	0.282	SQUARE MILES	Aquatic Life Integrity	Dissolved oxygen saturation	5-M				Non-ORW
2020/2022	NHEST600030406-01	SALMON FALLS RIVER	DOVER, ROLLINSFORD, RYE	0.282	SQUARE MILES	Aquatic Life Integrity	Nitrogen (Total)	5-P				Non-ORW
2020/2022	NHEST600030406-01	SALMON FALLS RIVER	DOVER, ROLLINSFORD, RYE	0.282	SQUARE MILES	Aquatic Life Integrity	Oxygen, Dissolved	5-P				Non-ORW
2020/2022	NHEST600030406-01	SALMON FALLS RIVER	DOVER, ROLLINSFORD, RYE	0.282	SQUARE MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHEST600030406-01	SALMON FALLS RIVER	DOVER, ROLLINSFORD, RYE	0.282	SQUARE MILES	Fish Consumption	PCBS - FISH CONSUMPTION ADVISORY	5-M				Non-ORW
2020/2022	NHEST600030406-01	SALMON FALLS RIVER	DOVER, ROLLINSFORD, RYE	0.282	SQUARE MILES	Primary Contact Recreation	Chlorophyll-a	5-M				Non-ORW
2020/2022	NHEST600030406-01	SALMON FALLS RIVER	DOVER, ROLLINSFORD, RYE	0.282	SQUARE MILES	Primary Contact Recreation	Enterococcus	4A-M	9/21/2010	NEW HAMPSHIRE STATEWIDE BACTERIA	39277	Non-ORW
2020/2022	NHEST600030406-01	SALMON FALLS RIVER	DOVER, ROLLINSFORD, RYE	0.282	SQUARE MILES	Primary Contact Recreation	Nitrogen (Total)	5-P				Non-ORW
2020/2022	NHEST600030406-01	SALMON FALLS RIVER	DOVER, ROLLINSFORD, RYE	0.282	SQUARE MILES	Shellfish Consumption	DIOXIN - FISH CONSUMPTION ADVISORY	5-M				Non-ORW
2020/2022	NHEST600030406-01	SALMON FALLS RIVER	DOVER, ROLLINSFORD, RYE	0.282	SQUARE MILES	Shellfish Consumption	Fecal Coliform	4A-P	8/29/2011	58 NH BACTERIA IMPAIRED WATERS	40669	Non-ORW
2020/2022	NHEST600030406-01	SALMON FALLS RIVER	DOVER, ROLLINSFORD, RYE	0.282	SQUARE MILES	Shellfish Consumption	MERCURY - FISH CONSUMPTION ADVISORY	5-M				Non-ORW
2020/2022	NHEST600030406-01	SALMON FALLS RIVER	DOVER, ROLLINSFORD, RYE	0.282	SQUARE MILES	Shellfish Consumption	PCBS - FISH CONSUMPTION ADVISORY	5-M				Non-ORW
2020/2022	NHEST600030608-01	COCHECO RIVER	DOVER	0.277	SQUARE MILES	Aquatic Life Integrity	2-Methylnaphthalene	5-P				Non-ORW
2020/2022	NHEST600030608-01	COCHECO RIVER	DOVER	0.277	SQUARE MILES	Aquatic Life Integrity	Acenaphthene	5-P				Non-ORW
2020/2022	NHEST600030608-01	COCHECO RIVER	DOVER	0.277	SQUARE MILES	Aquatic Life Integrity	Acenaphthylene	5-P				Non-ORW
2020/2022	NHEST600030608-01	COCHECO RIVER	DOVER	0.277	SQUARE MILES	Aquatic Life Integrity	Anthracene	5-P				Non-ORW
2020/2022	NHEST600030608-01	COCHECO RIVER	DOVER	0.277	SQUARE MILES	Aquatic Life Integrity	Benzo(a)pyrene (PAHs)	5-P				Non-ORW
2020/2022	NHEST600030608-01	COCHECO RIVER	DOVER	0.277	SQUARE MILES	Aquatic Life Integrity	Benzo[a]anthracene	5-P				Non-ORW
2020/2022	NHEST600030608-01	COCHECO RIVER	DOVER	0.277	SQUARE MILES	Aquatic Life Integrity	Benzo[g,h,i]perylene	5-P				Non-ORW
2020/2022	NHEST600030608-01	COCHECO RIVER	DOVER	0.277	SQUARE MILES	Aquatic Life Integrity	Chlorophyll-a	5-P				Non-ORW
2020/2022	NHEST600030608-01	COCHECO RIVER	DOVER	0.277	SQUARE MILES	Aquatic Life Integrity	Chrysene (C1-C4)	5-P				Non-ORW
2020/2022	NHEST600030608-01	COCHECO RIVER	DOVER	0.277	SQUARE MILES	Aquatic Life Integrity	DDD	5-P				Non-ORW
2020/2022	NHEST600030608-01	COCHECO RIVER	DOVER	0.277	SQUARE MILES	Aquatic Life Integrity	DDE	5-P				Non-ORW
2020/2022	NHEST600030608-01	COCHECO RIVER	DOVER	0.277	SQUARE MILES	Aquatic Life Integrity	DDT	5-P				Non-ORW
2020/2022	NHEST600030608-01	COCHECO RIVER	DOVER	0.277	SQUARE MILES	Aquatic Life Integrity	Dibenz[a,h]anthracene	5-P				Non-ORW
2020/2022	NHEST600030608-01	COCHECO RIVER	DOVER	0.277	SQUARE MILES	Aquatic Life Integrity	Dieldrin	5-P				Non-ORW
2020/2022	NHEST600030608-01	COCHECO RIVER	DOVER	0.277	SQUARE MILES	Aquatic Life Integrity	Fluoranthene	5-P				Non-ORW
2020/2022	NHEST600030608-01	COCHECO RIVER	DOVER	0.277	SQUARE MILES	Aquatic Life Integrity	Fluorene	5-P				Non-ORW
2020/2022	NHEST600030608-01	COCHECO RIVER	DOVER	0.277	SQUARE MILES	Aquatic Life Integrity	Indeno[1,2,3-cd]pyrene	5-P				Non-ORW
2020/2022	NHEST600030608-01	COCHECO RIVER	DOVER	0.277	SQUARE MILES	Aquatic Life Integrity	Naphthalene	5-P				Non-ORW
2020/2022	NHEST600030608-01	COCHECO RIVER	DOVER	0.277	SQUARE MILES	Aquatic Life Integrity	Nitrogen (Total)	5-M				Non-ORW
2020/2022	NHEST600030608-01	COCHECO RIVER	DOVER	0.277	SQUARE MILES	Aquatic Life Integrity	Oxygen, Dissolved	5-M				Non-ORW
2020/2022	NHEST600030608-01	COCHECO RIVER	DOVER	0.277	SQUARE MILES	Aquatic Life Integrity	Phenanthrene	5-P				Non-ORW
2020/2022	NHEST600030608-01	COCHECO RIVER	DOVER	0.277	SQUARE MILES	Aquatic Life Integrity	Pyrene	5-P				Non-ORW
2020/2022	NHEST600030608-01	COCHECO RIVER	DOVER	0.277	SQUARE MILES	Fish Consumption	PCBS - FISH CONSUMPTION ADVISORY	5-M				Non-ORW
2020/2022	NHEST600030608-01	COCHECO RIVER	DOVER	0.277	SQUARE MILES	Primary Contact Recreation	Chlorophyll-a	5-P				Non-ORW
2020/2022	NHEST600030608-01	COCHECO RIVER	DOVER	0.277	SQUARE MILES	Primary Contact Recreation	Enterococcus	4A-M	9/21/2010	NEW HAMPSHIRE STATEWIDE BACTERIA	39277	Non-ORW
2020/2022	NHEST600030608-01	COCHECO RIVER	DOVER	0.277	SQUARE MILES	Primary Contact Recreation	Nitrogen (Total)	5-P				Non-ORW
2020/2022	NHEST600030608-01	COCHECO RIVER	DOVER	0.277	SQUARE MILES	Shellfish Consumption	DIOXIN - FISH CONSUMPTION ADVISORY	5-M				Non-ORW
2020/2022	NHEST600030608-01	COCHECO RIVER	DOVER	0.277	SQUARE MILES	Shellfish Consumption	Fecal Coliform	4A-P	8/29/2011	58 NH BACTERIA IMPAIRED WATERS	40669	Non-ORW
2020/2022	NHEST600030608-01	COCHECO RIVER	DOVER	0.277	SQUARE MILES	Shellfish Consumption	MERCURY - FISH CONSUMPTION ADVISORY	5-M				Non-ORW
2020/2022	NHEST600030608-01	COCHECO RIVER	DOVER	0.277	SQUARE MILES	Shellfish Consumption	PCBS - FISH CONSUMPTION ADVISORY	5-M				Non-ORW
2020/2022	NHEST600030709-01-01	LAMPREY RIVER NORTH	NEWMARKET	0.033	SQUARE MILES	Aquatic Life Integrity	2-Methylnaphthalene	5-P				Non-ORW
2020/2022	NHEST600030709-01-01	LAMPREY RIVER NORTH	NEWMARKET	0.033	SQUARE MILES	Aquatic Life Integrity	Acenaphthene	5-M				Non-ORW
2020/2022	NHEST600030709-01-01	LAMPREY RIVER NORTH	NEWMARKET	0.033	SQUARE MILES	Aquatic Life Integrity	Acenaphthylene	5-M				Non-ORW
2020/2022	NHEST600030709-01-01	LAMPREY RIVER NORTH	NEWMARKET	0.033	SQUARE MILES	Aquatic Life Integrity	Aluminum	5-M				Non-ORW
2020/2022	NHEST600030709-01-01	LAMPREY RIVER NORTH	NEWMARKET	0.033	SQUARE MILES	Aquatic Life Integrity	Anthracene	5-M				Non-ORW
2020/2022	NHEST600030709-01-01	LAMPREY RIVER NORTH	NEWMARKET	0.033	SQUARE MILES	Aquatic Life Integrity	Arsenic	5-M				Non-ORW
2020/2022	NHEST600030709-01-01	LAMPREY RIVER NORTH	NEWMARKET	0.033	SQUARE MILES	Aquatic Life Integrity	Benzo(a)pyrene (PAHs)	5-M				Non-ORW
2020/2022	NHEST600030709-01-01	LAMPREY RIVER NORTH	NEWMARKET	0.033	SQUARE MILES	Aquatic Life Integrity	Benzo[a]anthracene	5-M				Non-ORW
2020/2022	NHEST600030709-01-01	LAMPREY RIVER NORTH	NEWMARKET	0.033	SQUARE MILES	Aquatic Life Integrity	Cadmium	5-M				Non-ORW
2020/2022	NHEST600030709-01-01	LAMPREY RIVER NORTH	NEWMARKET	0.033	SQUARE MILES	Aquatic Life Integrity	Chlorophyll-a	5-M				Non-ORW
2020/2022	NHEST600030709-01-01	LAMPREY RIVER NORTH	NEWMARKET	0.033	SQUARE MILES	Aquatic Life Integrity	Chrysene (C1-C4)	5-M				Non-ORW
2020/2022	NHEST600030709-01-01	LAMPREY RIVER NORTH	NEWMARKET	0.033	SQUARE MILES	Aquatic Life Integrity	Copper	5-M				Non-ORW
2020/2022	NHEST600030709-01-01	LAMPREY RIVER NORTH	NEWMARKET	0.033	SQUARE MILES	Aquatic Life Integrity	DDD	5-P				Non-ORW
2020/2022	NHEST600030709-01-01	LAMPREY RIVER NORTH	NEWMARKET	0.033	SQUARE MILES	Aquatic Life Integrity	DDE	5-P				Non-ORW
2020/2022	NHEST600030709-01-01	LAMPREY RIVER NORTH	NEWMARKET	0.033	SQUARE MILES	Aquatic Life Integrity	DDT	5-P				Non-ORW
2020/2022	NHEST600030709-01-01	LAMPREY RIVER NORTH	NEWMARKET	0.033	SQUARE MILES	Aquatic Life Integrity	Dibenz[a,h]anthracene	5-M				Non-ORW
2020/2022	NHEST600030709-01-01	LAMPREY RIVER NORTH	NEWMARKET	0.033	SQUARE MILES	Aquatic Life Integrity	Dissolved oxygen saturation	5-P				Non-ORW
2020/2022	NHEST600030709-01-01	LAMPREY RIVER NORTH	NEWMARKET	0.033	SQUARE MILES	Aquatic Life Integrity	Fluoranthene	5-M				Non-ORW
2020/2022	NHEST600030709-01-01	LAMPREY RIVER NORTH	NEWMARKET	0.033	SQUARE MILES	Aquatic Life Integrity	Fluorene	5-M				Non-ORW
2020/2022	NHEST600030709-01-01	LAMPREY RIVER NORTH	NEWMARKET	0.033	SQUARE MILES	Aquatic Life Integrity	Lead	5-M				Non-ORW
2020/2022	NHEST600030709-01-01	LAMPREY RIVER NORTH	NEWMARKET	0.033	SQUARE MILES	Aquatic Life Integrity	Mercury	5-M				Non-ORW
2020/2022	NHEST600030709-01-01	LAMPREY RIVER NORTH	NEWMARKET	0.033	SQUARE MILES	Aquatic Life Integrity	Naphthalene	5-P				Non-ORW
2020/2022	NHEST600030709-01-01	LAMPREY RIVER NORTH	NEWMARKET	0.033	SQUARE MILES	Aquatic Life Integrity	Nickel	5-M				Non-ORW
2020/2022	NHEST600030709-01-01	LAMPREY RIVER NORTH	NEWMARKET	0.033	SQUARE MILES	Aquatic Life Integrity	Nitrogen (Total)	5-M				Non-ORW
2020/2022	NHEST600030709-01-01	LAMPREY RIVER NORTH	NEWMARKET	0.033	SQUARE MILES	Aquatic Life Integrity	Oxygen, Dissolved	5-P				Non-ORW
2020/2022	NHEST600030709-01-01	LAMPREY RIVER NORTH	NEWMARKET	0.033	SQUARE MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHEST600030709-01-01	LAMPREY RIVER NORTH	NEWMARKET	0.033	SQUARE MILES	Aquatic Life Integrity	Phenanthrene	5-M				Non-ORW
2020/2022	NHEST600030709-01-01	LAMPREY RIVER NORTH	NEWMARKET	0.033	SQUARE MILES	Aquatic Life Integrity	Pyrene	5-M				Non-ORW
2020/2022	NHEST600030709-01-01	LAMPREY RIVER NORTH	NEWMARKET	0.033	SQUARE MILES	Aquatic Life Integrity	trans-Nonachlor	5-M				Non-ORW
2020/2022	NHEST600030709-01-01	LAMPREY RIVER NORTH	NEWMARKET	0.033	SQUARE MILES	Fish Consumption	PCBS - FISH CONSUMPTION ADVISORY	5-M				Non-ORW
2020/2022	NHEST600030709-01-01	LAMPREY RIVER NORTH	NEWMARKET	0.033	SQUARE MILES	Primary Contact Recreation	Chlorophyll-a	5-P				Non-ORW
2020/2022	NHEST600030709-01-01	LAMPREY RIVER NORTH	NEWMARKET	0.033	SQUARE MILES	Primary Contact Recreation	Enterococcus	4A-P	9/27/2010	NEW HAMPSHIRE STATEWIDE BACTERIA	39278	Non-ORW
2020/2022	NHEST600030709-01-01	LAMPREY RIVER NORTH	NEWMARKET	0.033	SQUARE MILES	Primary Contact Recreation	Nitrogen (Total)	5-P				Non-ORW
2020/2022	NHEST600030709-01-01	LAMPREY RIVER NORTH	NEWMARKET	0.033	SQUARE MILES	Shellfish Consumption	DIOXIN - FISH CONSUMPTION ADVISORY	5-M				Non-ORW
2020/2022	NHEST600030709-01-01	LAMPREY RIVER NORTH	NEWMARKET	0.033	SQUARE MILES	Shellfish Consumption	MERCURY - FISH CONSUMPTION ADVISORY	5-M				Non-ORW

2020/2022	NHEST600030709-01-01	LAMPREY RIVER NORTH	NEWMARKET	0.033	SQUARE MILES	Shellfish Consumption	PCBS - FISH CONSUMPTION ADVISORY	5-M				Non-ORW
2020/2022	NHEST600030709-01-02	LAMPREY RIVER SOUTH	NEWMARKET	0.137	SQUARE MILES	Aquatic Life Integrity	Chlorophyll-a	5-M				Non-ORW
2020/2022	NHEST600030709-01-02	LAMPREY RIVER SOUTH	NEWMARKET	0.137	SQUARE MILES	Aquatic Life Integrity	Estuarine Bioassessments	5-P				Non-ORW
2020/2022	NHEST600030709-01-02	LAMPREY RIVER SOUTH	NEWMARKET	0.137	SQUARE MILES	Aquatic Life Integrity	Light Attenuation Coefficient	5-P				Non-ORW
2020/2022	NHEST600030709-01-02	LAMPREY RIVER SOUTH	NEWMARKET	0.137	SQUARE MILES	Aquatic Life Integrity	Nitrogen (Total)	5-M				Non-ORW
2020/2022	NHEST600030709-01-02	LAMPREY RIVER SOUTH	NEWMARKET	0.137	SQUARE MILES	Fish Consumption	PCBS - FISH CONSUMPTION ADVISORY	5-M				Non-ORW
2020/2022	NHEST600030709-01-02	LAMPREY RIVER SOUTH	NEWMARKET	0.137	SQUARE MILES	Primary Contact Recreation	Chlorophyll-a	5-M				Non-ORW
2020/2022	NHEST600030709-01-02	LAMPREY RIVER SOUTH	NEWMARKET	0.137	SQUARE MILES	Primary Contact Recreation	Enterococcus	4A-M	9/27/2010	NEW HAMPSHIRE STATEWIDE BACTERIA	39278	Non-ORW
2020/2022	NHEST600030709-01-02	LAMPREY RIVER SOUTH	NEWMARKET	0.137	SQUARE MILES	Primary Contact Recreation	Nitrogen (Total)	5-P				Non-ORW
2020/2022	NHEST600030709-01-02	LAMPREY RIVER SOUTH	NEWMARKET	0.137	SQUARE MILES	Shellfish Consumption	DIOXIN - FISH CONSUMPTION ADVISORY	5-M				Non-ORW
2020/2022	NHEST600030709-01-02	LAMPREY RIVER SOUTH	NEWMARKET	0.137	SQUARE MILES	Shellfish Consumption	MERCURY - FISH CONSUMPTION ADVISORY	5-M				Non-ORW
2020/2022	NHEST600030709-01-02	LAMPREY RIVER SOUTH	NEWMARKET	0.137	SQUARE MILES	Shellfish Consumption	PCBS - FISH CONSUMPTION ADVISORY	5-M				Non-ORW
2020/2022	NHEST600030806-01-01	SQUAMSCOTT RIVER SOUTH	STRATHAM, EXETER, NEWFIELDS	0.274	SQUARE MILES	Aquatic Life Integrity	Acenaphthene	5-M				Non-ORW
2020/2022	NHEST600030806-01-01	SQUAMSCOTT RIVER SOUTH	STRATHAM, EXETER, NEWFIELDS	0.274	SQUARE MILES	Aquatic Life Integrity	Acenaphthylene	5-M				Non-ORW
2020/2022	NHEST600030806-01-01	SQUAMSCOTT RIVER SOUTH	STRATHAM, EXETER, NEWFIELDS	0.274	SQUARE MILES	Aquatic Life Integrity	Aluminum	5-M				Non-ORW
2020/2022	NHEST600030806-01-01	SQUAMSCOTT RIVER SOUTH	STRATHAM, EXETER, NEWFIELDS	0.274	SQUARE MILES	Aquatic Life Integrity	Anthracene	5-M				Non-ORW
2020/2022	NHEST600030806-01-01	SQUAMSCOTT RIVER SOUTH	STRATHAM, EXETER, NEWFIELDS	0.274	SQUARE MILES	Aquatic Life Integrity	Arsenic	5-M				Non-ORW
2020/2022	NHEST600030806-01-01	SQUAMSCOTT RIVER SOUTH	STRATHAM, EXETER, NEWFIELDS	0.274	SQUARE MILES	Aquatic Life Integrity	Benzo(a)pyrene (PAHs)	5-M				Non-ORW
2020/2022	NHEST600030806-01-01	SQUAMSCOTT RIVER SOUTH	STRATHAM, EXETER, NEWFIELDS	0.274	SQUARE MILES	Aquatic Life Integrity	Benzo[a]anthracene	5-M				Non-ORW
2020/2022	NHEST600030806-01-01	SQUAMSCOTT RIVER SOUTH	STRATHAM, EXETER, NEWFIELDS	0.274	SQUARE MILES	Aquatic Life Integrity	Cadmium	5-M				Non-ORW
2020/2022	NHEST600030806-01-01	SQUAMSCOTT RIVER SOUTH	STRATHAM, EXETER, NEWFIELDS	0.274	SQUARE MILES	Aquatic Life Integrity	Chlorophyll-a	5-P				Non-ORW
2020/2022	NHEST600030806-01-01	SQUAMSCOTT RIVER SOUTH	STRATHAM, EXETER, NEWFIELDS	0.274	SQUARE MILES	Aquatic Life Integrity	Chrysene (C1-C4)	5-M				Non-ORW
2020/2022	NHEST600030806-01-01	SQUAMSCOTT RIVER SOUTH	STRATHAM, EXETER, NEWFIELDS	0.274	SQUARE MILES	Aquatic Life Integrity	Copper	5-M				Non-ORW
2020/2022	NHEST600030806-01-01	SQUAMSCOTT RIVER SOUTH	STRATHAM, EXETER, NEWFIELDS	0.274	SQUARE MILES	Aquatic Life Integrity	Dibenz[a,h]anthracene	5-M				Non-ORW
2020/2022	NHEST600030806-01-01	SQUAMSCOTT RIVER SOUTH	STRATHAM, EXETER, NEWFIELDS	0.274	SQUARE MILES	Aquatic Life Integrity	Dissolved oxygen saturation	5-P				Non-ORW
2020/2022	NHEST600030806-01-01	SQUAMSCOTT RIVER SOUTH	STRATHAM, EXETER, NEWFIELDS	0.274	SQUARE MILES	Aquatic Life Integrity	Fluoranthene	5-M				Non-ORW
2020/2022	NHEST600030806-01-01	SQUAMSCOTT RIVER SOUTH	STRATHAM, EXETER, NEWFIELDS	0.274	SQUARE MILES	Aquatic Life Integrity	Fluorene	5-M				Non-ORW
2020/2022	NHEST600030806-01-01	SQUAMSCOTT RIVER SOUTH	STRATHAM, EXETER, NEWFIELDS	0.274	SQUARE MILES	Aquatic Life Integrity	Lead	5-M				Non-ORW
2020/2022	NHEST600030806-01-01	SQUAMSCOTT RIVER SOUTH	STRATHAM, EXETER, NEWFIELDS	0.274	SQUARE MILES	Aquatic Life Integrity	Mercury	5-M				Non-ORW
2020/2022	NHEST600030806-01-01	SQUAMSCOTT RIVER SOUTH	STRATHAM, EXETER, NEWFIELDS	0.274	SQUARE MILES	Aquatic Life Integrity	Nickel	5-M				Non-ORW
2020/2022	NHEST600030806-01-01	SQUAMSCOTT RIVER SOUTH	STRATHAM, EXETER, NEWFIELDS	0.274	SQUARE MILES	Aquatic Life Integrity	Nitrogen (Total)	5-P				Non-ORW
2020/2022	NHEST600030806-01-01	SQUAMSCOTT RIVER SOUTH	STRATHAM, EXETER, NEWFIELDS	0.274	SQUARE MILES	Aquatic Life Integrity	Oxygen, Dissolved	5-P				Non-ORW
2020/2022	NHEST600030806-01-01	SQUAMSCOTT RIVER SOUTH	STRATHAM, EXETER, NEWFIELDS	0.274	SQUARE MILES	Aquatic Life Integrity	Phenanthrene	5-M				Non-ORW
2020/2022	NHEST600030806-01-01	SQUAMSCOTT RIVER SOUTH	STRATHAM, EXETER, NEWFIELDS	0.274	SQUARE MILES	Aquatic Life Integrity	Pyrene	5-M				Non-ORW
2020/2022	NHEST600030806-01-01	SQUAMSCOTT RIVER SOUTH	STRATHAM, EXETER, NEWFIELDS	0.274	SQUARE MILES	Aquatic Life Integrity	trans-Nonachlor	5-M				Non-ORW
2020/2022	NHEST600030806-01-01	SQUAMSCOTT RIVER SOUTH	STRATHAM, EXETER, NEWFIELDS	0.274	SQUARE MILES	Aquatic Life Integrity	Zinc	5-M				Non-ORW
2020/2022	NHEST600030806-01-01	SQUAMSCOTT RIVER SOUTH	STRATHAM, EXETER, NEWFIELDS	0.274	SQUARE MILES	Fish Consumption	PCBS - FISH CONSUMPTION ADVISORY	5-M				Non-ORW
2020/2022	NHEST600030806-01-01	SQUAMSCOTT RIVER SOUTH	STRATHAM, EXETER, NEWFIELDS	0.274	SQUARE MILES	Primary Contact Recreation	Chlorophyll-a	5-P				Non-ORW
2020/2022	NHEST600030806-01-01	SQUAMSCOTT RIVER SOUTH	STRATHAM, EXETER, NEWFIELDS	0.274	SQUARE MILES	Primary Contact Recreation	Enterococcus	4A-M	9/27/2010	NEW HAMPSHIRE STATEWIDE BACTERIA	39277	Non-ORW
2020/2022	NHEST600030806-01-01	SQUAMSCOTT RIVER SOUTH	STRATHAM, EXETER, NEWFIELDS	0.274	SQUARE MILES	Primary Contact Recreation	Nitrogen (Total)	5-P				Non-ORW
2020/2022	NHEST600030806-01-01	SQUAMSCOTT RIVER SOUTH	STRATHAM, EXETER, NEWFIELDS	0.274	SQUARE MILES	Shellfish Consumption	DIOXIN - FISH CONSUMPTION ADVISORY	5-M				Non-ORW
2020/2022	NHEST600030806-01-01	SQUAMSCOTT RIVER SOUTH	STRATHAM, EXETER, NEWFIELDS	0.274	SQUARE MILES	Shellfish Consumption	MERCURY - FISH CONSUMPTION ADVISORY	5-M				Non-ORW
2020/2022	NHEST600030806-01-01	SQUAMSCOTT RIVER SOUTH	STRATHAM, EXETER, NEWFIELDS	0.274	SQUARE MILES	Shellfish Consumption	PCBS - FISH CONSUMPTION ADVISORY	5-M				Non-ORW
2020/2022	NHEST600030806-01-02	SQUAMSCOTT RIVER NORTH	STRATHAM, NEWFIELDS	0.205	SQUARE MILES	Aquatic Life Integrity	Chlorophyll-a	5-P				Non-ORW
2020/2022	NHEST600030806-01-02	SQUAMSCOTT RIVER NORTH	STRATHAM, NEWFIELDS	0.205	SQUARE MILES	Aquatic Life Integrity	Dissolved oxygen saturation	5-M				Non-ORW
2020/2022	NHEST600030806-01-02	SQUAMSCOTT RIVER NORTH	STRATHAM, NEWFIELDS	0.205	SQUARE MILES	Aquatic Life Integrity	Estuarine Bioassessments	5-P				Non-ORW
2020/2022	NHEST600030806-01-02	SQUAMSCOTT RIVER NORTH	STRATHAM, NEWFIELDS	0.205	SQUARE MILES	Aquatic Life Integrity	Light Attenuation Coefficient	5-P				Non-ORW
2020/2022	NHEST600030806-01-02	SQUAMSCOTT RIVER NORTH	STRATHAM, NEWFIELDS	0.205	SQUARE MILES	Aquatic Life Integrity	Nitrogen (Total)	5-P				Non-ORW
2020/2022	NHEST600030806-01-02	SQUAMSCOTT RIVER NORTH	STRATHAM, NEWFIELDS	0.205	SQUARE MILES	Aquatic Life Integrity	Oxygen, Dissolved	5-P				Non-ORW
2020/2022	NHEST600030806-01-02	SQUAMSCOTT RIVER NORTH	STRATHAM, NEWFIELDS	0.205	SQUARE MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHEST600030806-01-02	SQUAMSCOTT RIVER NORTH	STRATHAM, NEWFIELDS	0.205	SQUARE MILES	Fish Consumption	PCBS - FISH CONSUMPTION ADVISORY	5-M				Non-ORW
2020/2022	NHEST600030806-01-02	SQUAMSCOTT RIVER NORTH	STRATHAM, NEWFIELDS	0.205	SQUARE MILES	Primary Contact Recreation	Chlorophyll-a	5-M				Non-ORW
2020/2022	NHEST600030806-01-02	SQUAMSCOTT RIVER NORTH	STRATHAM, NEWFIELDS	0.205	SQUARE MILES	Primary Contact Recreation	Enterococcus	4A-P	9/27/2010	NEW HAMPSHIRE STATEWIDE BACTERIA	39277	Non-ORW
2020/2022	NHEST600030806-01-02	SQUAMSCOTT RIVER NORTH	STRATHAM, NEWFIELDS	0.205	SQUARE MILES	Primary Contact Recreation	Nitrogen (Total)	5-P				Non-ORW
2020/2022	NHEST600030806-01-02	SQUAMSCOTT RIVER NORTH	STRATHAM, NEWFIELDS	0.205	SQUARE MILES	Shellfish Consumption	DIOXIN - FISH CONSUMPTION ADVISORY	5-M				Non-ORW
2020/2022	NHEST600030806-01-02	SQUAMSCOTT RIVER NORTH	STRATHAM, NEWFIELDS	0.205	SQUARE MILES	Shellfish Consumption	MERCURY - FISH CONSUMPTION ADVISORY	5-M				Non-ORW
2020/2022	NHEST600030806-01-02	SQUAMSCOTT RIVER NORTH	STRATHAM, NEWFIELDS	0.205	SQUARE MILES	Shellfish Consumption	PCBS - FISH CONSUMPTION ADVISORY	5-M				Non-ORW
2020/2022	NHEST600030902-01-03	OYSTER RIVER	DURHAM	0.464	SQUARE MILES	Aquatic Life Integrity	Chlorophyll-a	5-M				Non-ORW
2020/2022	NHEST600030902-01-03	OYSTER RIVER	DURHAM	0.464	SQUARE MILES	Aquatic Life Integrity	Dissolved oxygen saturation	5-P				Non-ORW
2020/2022	NHEST600030902-01-03	OYSTER RIVER	DURHAM	0.464	SQUARE MILES	Aquatic Life Integrity	Estuarine Bioassessments	5-P				Non-ORW
2020/2022	NHEST600030902-01-03	OYSTER RIVER	DURHAM	0.464	SQUARE MILES	Aquatic Life Integrity	Light Attenuation Coefficient	5-P				Non-ORW
2020/2022	NHEST600030902-01-03	OYSTER RIVER	DURHAM	0.464	SQUARE MILES	Aquatic Life Integrity	Nitrogen (Total)	5-M				Non-ORW
2020/2022	NHEST600030902-01-03	OYSTER RIVER	DURHAM	0.464	SQUARE MILES	Aquatic Life Integrity	Oxygen, Dissolved	5-P				Non-ORW
2020/2022	NHEST600030902-01-03	OYSTER RIVER	DURHAM	0.464	SQUARE MILES	Fish Consumption	MERCURY - FISH CONSUMPTION ADVISORY	5-M				Non-ORW
2020/2022	NHEST600030902-01-03	OYSTER RIVER	DURHAM	0.464	SQUARE MILES	Fish Consumption	PCBS - FISH CONSUMPTION ADVISORY	5-M				Non-ORW
2020/2022	NHEST600030902-01-03	OYSTER RIVER	DURHAM	0.464	SQUARE MILES	Primary Contact Recreation	Enterococcus	4A-P	9/21/2010	NEW HAMPSHIRE STATEWIDE BACTERIA	39277	Non-ORW
2020/2022	NHEST600030902-01-03	OYSTER RIVER	DURHAM	0.464	SQUARE MILES	Shellfish Consumption	DIOXIN - FISH CONSUMPTION ADVISORY	5-M				Non-ORW
2020/2022	NHEST600030902-01-03	OYSTER RIVER	DURHAM	0.464	SQUARE MILES	Shellfish Consumption	MERCURY - FISH CONSUMPTION ADVISORY	5-M				Non-ORW
2020/2022	NHEST600030902-01-03	OYSTER RIVER	DURHAM	0.464	SQUARE MILES	Shellfish Consumption	PCBS - FISH CONSUMPTION ADVISORY	5-M				Non-ORW
2020/2022	NHEST600030902-01-04	LOWER OYSTER RIVER	DURHAM	0.122	SQUARE MILES	Aquatic Life Integrity	Chlorophyll-a	5-M				Non-ORW
2020/2022	NHEST600030902-01-04	LOWER OYSTER RIVER	DURHAM	0.122	SQUARE MILES	Aquatic Life Integrity	Dissolved oxygen saturation	5-P				Non-ORW
2020/2022	NHEST600030902-01-04	LOWER OYSTER RIVER	DURHAM	0.122	SQUARE MILES	Aquatic Life Integrity	Estuarine Bioassessments	5-P				Non-ORW
2020/2022	NHEST600030902-01-04	LOWER OYSTER RIVER	DURHAM	0.122	SQUARE MILES	Aquatic Life Integrity	Light Attenuation Coefficient	5-P				Non-ORW
2020/2022	NHEST600030902-01-04	LOWER OYSTER RIVER	DURHAM	0.122	SQUARE MILES	Aquatic Life Integrity	Nitrogen (Total)	5-P				Non-ORW
2020/2022	NHEST600030902-01-04	LOWER OYSTER RIVER	DURHAM	0.122	SQUARE MILES	Aquatic Life Integrity	Oxygen, Dissolved	5-P				Non-ORW
2020/2022	NHEST600030902-01-04	LOWER OYSTER RIVER	DURHAM	0.122	SQUARE MILES	Fish Consumption	MERCURY - FISH CONSUMPTION ADVISORY	5-M				Non-ORW
2020/2022	NHEST600030902-01-04	LOWER OYSTER RIVER	DURHAM	0.122	SQUARE MILES	Fish Consumption	PCBS - FISH CONSUMPTION ADVISORY	5-M				Non-ORW
2020/2022	NHEST600030902-01-04	LOWER OYSTER RIVER	DURHAM	0.122	SQUARE MILES	Shellfish Consumption	DIOXIN - FISH CONSUMPTION ADVISORY	5-M				Non-ORW
2020/2022	NHEST600030902-01-04	LOWER OYSTER RIVER	DURHAM	0.122	SQUARE MILES	Shellfish Consumption	MERCURY - FISH CONSUMPTION ADVISORY	5-M				Non-ORW
2020/2022	NHEST600030902-01-04	LOWER OYSTER RIVER	DURHAM	0.122	SQUARE MILES	Shellfish Consumption	PCBS - FISH CONSUMPTION ADVISORY	5-M				Non-ORW
2020/2022	NHEST600030903-01-01	BELLAMY RIVER NORTH	DOVER	0.251	SQUARE MILES	Aquatic Life Integrity	Chlorophyll-a	5-P				Non-ORW
2020/2022	NHEST600030903-01-01	BELLAMY RIVER NORTH	DOVER	0.251	SQUARE MILES	Aquatic Life Integrity	Estuarine Bioassessments	5-P				Non-ORW
2020/2022	NHEST600030903-01-01	BELLAMY RIVER NORTH	DOVER	0.251	SQUARE MILES	Aquatic Life Integrity	Light Attenuation Coefficient	5-P				Non-ORW
2020/2022	NHEST600030903-01-01	BELLAMY RIVER NORTH	DOVER	0.251	SQUARE MILES	Aquatic Life Integrity	Nitrogen (Total)	5-P				Non-ORW
2020/2022	NHEST600030903-01-01	BELLAMY RIVER NORTH	DOVER	0.251	SQUARE MILES	Aquatic Life Integrity	Oxygen, Dissolved	5-P				Non-ORW
2020/2022	NHEST600030903-01-01	BELLAMY RIVER NORTH	DOVER	0.251	SQUARE MILES	Fish Consumption	MERCURY - FISH CONSUMPTION ADVISORY	5-M				Non-ORW
2020/2022	NHEST600030903-01-01	BELLAMY RIVER NORTH	DOVER	0.251	SQUARE MILES	Fish Consumption	PCBS - FISH CONSUMPTION ADVISORY	5-M				Non-ORW

2020/2022	NHEST600030903-01-01	BELLAMY RIVER NORTH	DOVER	0.251	SQUARE MILES	Shellfish Consumption	DIOXIN - FISH CONSUMPTION ADVISORY	5-M				Non-ORW
2020/2022	NHEST600030903-01-01	BELLAMY RIVER NORTH	DOVER	0.251	SQUARE MILES	Shellfish Consumption	Fecal Coliform	4A-P	9/21/2010	NEW HAMPSHIRE STATEWIDE BACTERIA	39280	Non-ORW
2020/2022	NHEST600030903-01-01	BELLAMY RIVER NORTH	DOVER	0.251	SQUARE MILES	Shellfish Consumption	MERCURY - FISH CONSUMPTION ADVISORY	5-M				Non-ORW
2020/2022	NHEST600030903-01-01	BELLAMY RIVER NORTH	DOVER	0.251	SQUARE MILES	Shellfish Consumption	PCBS - FISH CONSUMPTION ADVISORY	5-M				Non-ORW
2020/2022	NHEST600030903-01-03	BELLAMY RIVER SOUTH CLEMENT POINT	DOVER	0.158	SQUARE MILES	Aquatic Life Integrity	Chlorophyll-a	5-P				Non-ORW
2020/2022	NHEST600030903-01-03	BELLAMY RIVER SOUTH CLEMENT POINT	DOVER	0.158	SQUARE MILES	Aquatic Life Integrity	Estuarine Bioassessments	5-P				Non-ORW
2020/2022	NHEST600030903-01-03	BELLAMY RIVER SOUTH CLEMENT POINT	DOVER	0.158	SQUARE MILES	Aquatic Life Integrity	Light Attenuation Coefficient	5-P				Non-ORW
2020/2022	NHEST600030903-01-03	BELLAMY RIVER SOUTH CLEMENT POINT	DOVER	0.158	SQUARE MILES	Aquatic Life Integrity	Nitrogen (Total)	5-P				Non-ORW
2020/2022	NHEST600030903-01-03	BELLAMY RIVER SOUTH CLEMENT POINT	DOVER	0.158	SQUARE MILES	Aquatic Life Integrity	Oxygen, Dissolved	5-P				Non-ORW
2020/2022	NHEST600030903-01-03	BELLAMY RIVER SOUTH CLEMENT POINT	DOVER	0.158	SQUARE MILES	Fish Consumption	MERCURY - FISH CONSUMPTION ADVISORY	5-M				Non-ORW
2020/2022	NHEST600030903-01-03	BELLAMY RIVER SOUTH CLEMENT POINT	DOVER	0.158	SQUARE MILES	Fish Consumption	PCBS - FISH CONSUMPTION ADVISORY	5-M				Non-ORW
2020/2022	NHEST600030903-01-03	BELLAMY RIVER SOUTH CLEMENT POINT	DOVER	0.158	SQUARE MILES	Primary Contact Recreation	Enterococcus	2-G	9/21/2010	NEW HAMPSHIRE STATEWIDE BACTERIA	39277	Non-ORW
2020/2022	NHEST600030903-01-03	BELLAMY RIVER SOUTH CLEMENT POINT	DOVER	0.158	SQUARE MILES	Shellfish Consumption	DIOXIN - FISH CONSUMPTION ADVISORY	5-M				Non-ORW
2020/2022	NHEST600030903-01-03	BELLAMY RIVER SOUTH CLEMENT POINT	DOVER	0.158	SQUARE MILES	Shellfish Consumption	Fecal Coliform	4A-M	9/21/2010	NEW HAMPSHIRE STATEWIDE BACTERIA	39280	Non-ORW
2020/2022	NHEST600030903-01-03	BELLAMY RIVER SOUTH CLEMENT POINT	DOVER	0.158	SQUARE MILES	Shellfish Consumption	MERCURY - FISH CONSUMPTION ADVISORY	5-M				Non-ORW
2020/2022	NHEST600030903-01-03	BELLAMY RIVER SOUTH CLEMENT POINT	DOVER	0.158	SQUARE MILES	Shellfish Consumption	PCBS - FISH CONSUMPTION ADVISORY	5-M				Non-ORW
2020/2022	NHEST600030903-01-04	Bellamy River South	DOVER, DURHAM, MADBURY	0.272	SQUARE MILES	Aquatic Life Integrity	Chlorophyll-a	5-P				Non-ORW
2020/2022	NHEST600030903-01-04	Bellamy River South	DOVER, DURHAM, MADBURY	0.272	SQUARE MILES	Aquatic Life Integrity	Estuarine Bioassessments	5-P				Non-ORW
2020/2022	NHEST600030903-01-04	Bellamy River South	DOVER, DURHAM, MADBURY	0.272	SQUARE MILES	Aquatic Life Integrity	Light Attenuation Coefficient	5-P				Non-ORW
2020/2022	NHEST600030903-01-04	Bellamy River South	DOVER, DURHAM, MADBURY	0.272	SQUARE MILES	Aquatic Life Integrity	Nitrogen (Total)	5-P				Non-ORW
2020/2022	NHEST600030903-01-04	Bellamy River South	DOVER, DURHAM, MADBURY	0.272	SQUARE MILES	Aquatic Life Integrity	Oxygen, Dissolved	5-P				Non-ORW
2020/2022	NHEST600030903-01-04	Bellamy River South	DOVER, DURHAM, MADBURY	0.272	SQUARE MILES	Fish Consumption	MERCURY - FISH CONSUMPTION ADVISORY	5-M				Non-ORW
2020/2022	NHEST600030903-01-04	Bellamy River South	DOVER, DURHAM, MADBURY	0.272	SQUARE MILES	Fish Consumption	PCBS - FISH CONSUMPTION ADVISORY	5-M				Non-ORW
2020/2022	NHEST600030903-01-04	Bellamy River South	DOVER, DURHAM, MADBURY	0.272	SQUARE MILES	Shellfish Consumption	DIOXIN - FISH CONSUMPTION ADVISORY	5-M				Non-ORW
2020/2022	NHEST600030903-01-04	Bellamy River South	DOVER, DURHAM, MADBURY	0.272	SQUARE MILES	Shellfish Consumption	Fecal Coliform	4A-M	9/21/2010	NEW HAMPSHIRE STATEWIDE BACTERIA	39280	Non-ORW
2020/2022	NHEST600030903-01-04	Bellamy River South	DOVER, DURHAM, MADBURY	0.272	SQUARE MILES	Shellfish Consumption	MERCURY - FISH CONSUMPTION ADVISORY	5-M				Non-ORW
2020/2022	NHEST600030903-01-04	Bellamy River South	DOVER, DURHAM, MADBURY	0.272	SQUARE MILES	Shellfish Consumption	PCBS - FISH CONSUMPTION ADVISORY	5-M				Non-ORW
2020/2022	NHEST600030904-01	WINNICUT RIVER	GREENLAND	0.191	SQUARE MILES	Aquatic Life Integrity	Estuarine Bioassessments	5-P				Non-ORW
2020/2022	NHEST600030904-01	WINNICUT RIVER	GREENLAND	0.191	SQUARE MILES	Fish Consumption	PCBS - FISH CONSUMPTION ADVISORY	5-M				Non-ORW
2020/2022	NHEST600030904-01	WINNICUT RIVER	GREENLAND	0.191	SQUARE MILES	Shellfish Consumption	DIOXIN - FISH CONSUMPTION ADVISORY	5-M				Non-ORW
2020/2022	NHEST600030904-01	WINNICUT RIVER	GREENLAND	0.191	SQUARE MILES	Shellfish Consumption	Fecal Coliform	4A-P	8/29/2011	58 NH BACTERIA IMPAIRED WATERS	40669	Non-ORW
2020/2022	NHEST600030904-01	WINNICUT RIVER	GREENLAND	0.191	SQUARE MILES	Shellfish Consumption	MERCURY - FISH CONSUMPTION ADVISORY	5-M				Non-ORW
2020/2022	NHEST600030904-01	WINNICUT RIVER	GREENLAND	0.191	SQUARE MILES	Shellfish Consumption	PCBS - FISH CONSUMPTION ADVISORY	5-M				Non-ORW
2020/2022	NHEST600030904-02	GREAT BAY PROHIB SZ1	NEWMARKET, GREENLAND, NEWFIELDS, STRATHAM	0.809	SQUARE MILES	Aquatic Life Integrity	Chlorophyll-a	5-M				Non-ORW
2020/2022	NHEST600030904-02	GREAT BAY PROHIB SZ1	NEWMARKET, GREENLAND, NEWFIELDS, STRATHAM	0.809	SQUARE MILES	Aquatic Life Integrity	Estuarine Bioassessments	5-P				Non-ORW
2020/2022	NHEST600030904-02	GREAT BAY PROHIB SZ1	NEWMARKET, GREENLAND, NEWFIELDS, STRATHAM	0.809	SQUARE MILES	Aquatic Life Integrity	Light Attenuation Coefficient	5-M				Non-ORW
2020/2022	NHEST600030904-02	GREAT BAY PROHIB SZ1	NEWMARKET, GREENLAND, NEWFIELDS, STRATHAM	0.809	SQUARE MILES	Aquatic Life Integrity	Nitrogen (Total)	5-M				Non-ORW
2020/2022	NHEST600030904-02	GREAT BAY PROHIB SZ1	NEWMARKET, GREENLAND, NEWFIELDS, STRATHAM	0.809	SQUARE MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHEST600030904-02	GREAT BAY PROHIB SZ1	NEWMARKET, GREENLAND, NEWFIELDS, STRATHAM	0.809	SQUARE MILES	Fish Consumption	MERCURY - FISH CONSUMPTION ADVISORY	5-M				Non-ORW
2020/2022	NHEST600030904-02	GREAT BAY PROHIB SZ1	NEWMARKET, GREENLAND, NEWFIELDS, STRATHAM	0.809	SQUARE MILES	Fish Consumption	PCBS - FISH CONSUMPTION ADVISORY	5-M				Non-ORW
2020/2022	NHEST600030904-02	GREAT BAY PROHIB SZ1	NEWMARKET, GREENLAND, NEWFIELDS, STRATHAM	0.809	SQUARE MILES	Primary Contact Recreation	Enterococcus	4A-P	9/21/2010	NEW HAMPSHIRE STATEWIDE BACTERIA	39278	Non-ORW
2020/2022	NHEST600030904-02	GREAT BAY PROHIB SZ1	NEWMARKET, GREENLAND, NEWFIELDS, STRATHAM	0.809	SQUARE MILES	Shellfish Consumption	DIOXIN - FISH CONSUMPTION ADVISORY	5-M				Non-ORW
2020/2022	NHEST600030904-02	GREAT BAY PROHIB SZ1	NEWMARKET, GREENLAND, NEWFIELDS, STRATHAM	0.809	SQUARE MILES	Shellfish Consumption	MERCURY - FISH CONSUMPTION ADVISORY	5-M				Non-ORW
2020/2022	NHEST600030904-02	GREAT BAY PROHIB SZ1	NEWMARKET, GREENLAND, NEWFIELDS, STRATHAM	0.809	SQUARE MILES	Shellfish Consumption	PCBS - FISH CONSUMPTION ADVISORY	5-M				Non-ORW
2020/2022	NHEST600030904-03	GREAT BAY PROHIB SZ2	NEWMARKET, GREENLAND	1.036	SQUARE MILES	Aquatic Life Integrity	Chlorophyll-a	5-M				Non-ORW
2020/2022	NHEST600030904-03	GREAT BAY PROHIB SZ2	NEWMARKET, GREENLAND	1.036	SQUARE MILES	Aquatic Life Integrity	Estuarine Bioassessments	5-P				Non-ORW
2020/2022	NHEST600030904-03	GREAT BAY PROHIB SZ2	NEWMARKET, GREENLAND	1.036	SQUARE MILES	Aquatic Life Integrity	Light Attenuation Coefficient	5-M				Non-ORW
2020/2022	NHEST600030904-03	GREAT BAY PROHIB SZ2	NEWMARKET, GREENLAND	1.036	SQUARE MILES	Aquatic Life Integrity	Nitrogen (Total)	5-M				Non-ORW
2020/2022	NHEST600030904-03	GREAT BAY PROHIB SZ2	NEWMARKET, GREENLAND	1.036	SQUARE MILES	Fish Consumption	MERCURY - FISH CONSUMPTION ADVISORY	5-M				Non-ORW
2020/2022	NHEST600030904-03	GREAT BAY PROHIB SZ2	NEWMARKET, GREENLAND	1.036	SQUARE MILES	Fish Consumption	PCBS - FISH CONSUMPTION ADVISORY	5-M				Non-ORW
2020/2022	NHEST600030904-03	GREAT BAY PROHIB SZ2	NEWMARKET, GREENLAND	1.036	SQUARE MILES	Shellfish Consumption	DIOXIN - FISH CONSUMPTION ADVISORY	5-M				Non-ORW
2020/2022	NHEST600030904-03	GREAT BAY PROHIB SZ2	NEWMARKET, GREENLAND	1.036	SQUARE MILES	Shellfish Consumption	MERCURY - FISH CONSUMPTION ADVISORY	5-M				Non-ORW
2020/2022	NHEST600030904-03	GREAT BAY PROHIB SZ2	NEWMARKET, GREENLAND	1.036	SQUARE MILES	Shellfish Consumption	PCBS - FISH CONSUMPTION ADVISORY	5-M				Non-ORW
2020/2022	NHEST600030904-04-02	CROMMET CREEK	DURHAM	0.063	SQUARE MILES	Aquatic Life Integrity	Chlorophyll-a	5-M				Non-ORW
2020/2022	NHEST600030904-04-02	CROMMET CREEK	DURHAM	0.063	SQUARE MILES	Aquatic Life Integrity	Estuarine Bioassessments	5-P				Non-ORW
2020/2022	NHEST600030904-04-02	CROMMET CREEK	DURHAM	0.063	SQUARE MILES	Aquatic Life Integrity	Light Attenuation Coefficient	5-M				Non-ORW
2020/2022	NHEST600030904-04-02	CROMMET CREEK	DURHAM	0.063	SQUARE MILES	Aquatic Life Integrity	Nitrogen (Total)	5-M				Non-ORW
2020/2022	NHEST600030904-04-02	CROMMET CREEK	DURHAM	0.063	SQUARE MILES	Fish Consumption	MERCURY - FISH CONSUMPTION ADVISORY	5-M				Non-ORW
2020/2022	NHEST600030904-04-02	CROMMET CREEK	DURHAM	0.063	SQUARE MILES	Fish Consumption	PCBS - FISH CONSUMPTION ADVISORY	5-M				Non-ORW
2020/2022	NHEST600030904-04-02	CROMMET CREEK	DURHAM	0.063	SQUARE MILES	Shellfish Consumption	DIOXIN - FISH CONSUMPTION ADVISORY	5-M				Non-ORW
2020/2022	NHEST600030904-04-02	CROMMET CREEK	DURHAM	0.063	SQUARE MILES	Shellfish Consumption	Fecal Coliform	4A-P	9/21/2010	NEW HAMPSHIRE STATEWIDE BACTERIA	39280	Non-ORW
2020/2022	NHEST600030904-04-02	CROMMET CREEK	DURHAM	0.063	SQUARE MILES	Shellfish Consumption	MERCURY - FISH CONSUMPTION ADVISORY	5-M				Non-ORW
2020/2022	NHEST600030904-04-02	CROMMET CREEK	DURHAM	0.063	SQUARE MILES	Shellfish Consumption	PCBS - FISH CONSUMPTION ADVISORY	5-M				Non-ORW
2020/2022	NHEST600030904-04-03	PICKERING BROOK	GREENLAND, NEWINGTON	0.207	SQUARE MILES	Aquatic Life Integrity	Chlorophyll-a	5-M				Non-ORW
2020/2022	NHEST600030904-04-03	PICKERING BROOK	GREENLAND, NEWINGTON	0.207	SQUARE MILES	Aquatic Life Integrity	Estuarine Bioassessments	5-P				Non-ORW
2020/2022	NHEST600030904-04-03	PICKERING BROOK	GREENLAND, NEWINGTON	0.207	SQUARE MILES	Aquatic Life Integrity	Light Attenuation Coefficient	5-M				Non-ORW
2020/2022	NHEST600030904-04-03	PICKERING BROOK	GREENLAND, NEWINGTON	0.207	SQUARE MILES	Aquatic Life Integrity	Nitrogen (Total)	5-M				Non-ORW
2020/2022	NHEST600030904-04-03	PICKERING BROOK	GREENLAND, NEWINGTON	0.207	SQUARE MILES	Fish Consumption	MERCURY - FISH CONSUMPTION ADVISORY	5-M				Non-ORW
2020/2022	NHEST600030904-04-03	PICKERING BROOK	GREENLAND, NEWINGTON	0.207	SQUARE MILES	Fish Consumption	PCBS - FISH CONSUMPTION ADVISORY	5-M				Non-ORW
2020/2022	NHEST600030904-04-03	PICKERING BROOK	GREENLAND, NEWINGTON	0.207	SQUARE MILES	Primary Contact Recreation	Enterococcus	4A-M	9/21/2010	NEW HAMPSHIRE STATEWIDE BACTERIA	39277	Non-ORW
2020/2022	NHEST600030904-04-03	PICKERING BROOK	GREENLAND, NEWINGTON	0.207	SQUARE MILES	Shellfish Consumption	DIOXIN - FISH CONSUMPTION ADVISORY	5-M				Non-ORW
2020/2022	NHEST600030904-04-03	PICKERING BROOK	GREENLAND, NEWINGTON	0.207	SQUARE MILES	Shellfish Consumption	Fecal Coliform	4A-P	9/21/2010	NEW HAMPSHIRE STATEWIDE BACTERIA	39280	Non-ORW
2020/2022	NHEST600030904-04-03	PICKERING BROOK	GREENLAND, NEWINGTON	0.207	SQUARE MILES	Shellfish Consumption	MERCURY - FISH CONSUMPTION ADVISORY	5-M				Non-ORW
2020/2022	NHEST600030904-04-03	PICKERING BROOK	GREENLAND, NEWINGTON	0.207	SQUARE MILES	Shellfish Consumption	PCBS - FISH CONSUMPTION ADVISORY	5-M				Non-ORW
2020/2022	NHEST600030904-04-04	FABYAN POINT	NEWINGTON	0.014	SQUARE MILES	Aquatic Life Integrity	Chlorophyll-a	5-M				Non-ORW
2020/2022	NHEST600030904-04-04	FABYAN POINT	NEWINGTON	0.014	SQUARE MILES	Aquatic Life Integrity	Estuarine Bioassessments	5-P				Non-ORW

2020/2022	NHEST600030904-04-04	FABYAN POINT	NEWINGTON	0.014	SQUARE MILES	Aquatic Life Integrity	Light Attenuation Coefficient	5-M				Non-ORW
2020/2022	NHEST600030904-04-04	FABYAN POINT	NEWINGTON	0.014	SQUARE MILES	Aquatic Life Integrity	Nitrogen (Total)	5-M				Non-ORW
2020/2022	NHEST600030904-04-04	FABYAN POINT	NEWINGTON	0.014	SQUARE MILES	Fish Consumption	MERCURY - FISH CONSUMPTION ADVISORY	5-M				Non-ORW
2020/2022	NHEST600030904-04-04	FABYAN POINT	NEWINGTON	0.014	SQUARE MILES	Fish Consumption	PCBS - FISH CONSUMPTION ADVISORY	5-M				Non-ORW
2020/2022	NHEST600030904-04-04	FABYAN POINT	NEWINGTON	0.014	SQUARE MILES	Shellfish Consumption	DIOXIN - FISH CONSUMPTION ADVISORY	5-M				Non-ORW
2020/2022	NHEST600030904-04-04	FABYAN POINT	NEWINGTON	0.014	SQUARE MILES	Shellfish Consumption	Fecal Coliform	4A-P	9/21/2010	NEW HAMPSHIRE STATEWIDE BACTERIA	39280	Non-ORW
2020/2022	NHEST600030904-04-04	FABYAN POINT	NEWINGTON	0.014	SQUARE MILES	Shellfish Consumption	MERCURY - FISH CONSUMPTION ADVISORY	5-M				Non-ORW
2020/2022	NHEST600030904-04-04	FABYAN POINT	NEWINGTON	0.014	SQUARE MILES	Shellfish Consumption	PCBS - FISH CONSUMPTION ADVISORY	5-M				Non-ORW
2020/2022	NHEST600030904-04-05	GREAT BAY - COND APPR	NEWINGTON, DURHAM, GREENLAND, NEWMARKET	4.087	SQUARE MILES	Aquatic Life Integrity	Chlorophyll-a	5-M				Non-ORW
2020/2022	NHEST600030904-04-05	GREAT BAY - COND APPR	NEWINGTON, DURHAM, GREENLAND, NEWMARKET	4.087	SQUARE MILES	Aquatic Life Integrity	Estuarine Bioassessments	5-P				Non-ORW
2020/2022	NHEST600030904-04-05	GREAT BAY - COND APPR	NEWINGTON, DURHAM, GREENLAND, NEWMARKET	4.087	SQUARE MILES	Aquatic Life Integrity	Light Attenuation Coefficient	5-M				Non-ORW
2020/2022	NHEST600030904-04-05	GREAT BAY - COND APPR	NEWINGTON, DURHAM, GREENLAND, NEWMARKET	4.087	SQUARE MILES	Aquatic Life Integrity	Nitrogen (Total)	5-M				Non-ORW
2020/2022	NHEST600030904-04-05	GREAT BAY - COND APPR	NEWINGTON, DURHAM, GREENLAND, NEWMARKET	4.087	SQUARE MILES	Fish Consumption	MERCURY - FISH CONSUMPTION ADVISORY	5-M				Non-ORW
2020/2022	NHEST600030904-04-05	GREAT BAY - COND APPR	NEWINGTON, DURHAM, GREENLAND, NEWMARKET	4.087	SQUARE MILES	Fish Consumption	PCBS - FISH CONSUMPTION ADVISORY	5-M				Non-ORW
2020/2022	NHEST600030904-04-05	GREAT BAY - COND APPR	NEWINGTON, DURHAM, GREENLAND, NEWMARKET	4.087	SQUARE MILES	Primary Contact Recreation	Enterococcus	4A-M	9/21/2010	NEW HAMPSHIRE STATEWIDE BACTERIA	39277	Non-ORW
2020/2022	NHEST600030904-04-05	GREAT BAY - COND APPR	NEWINGTON, DURHAM, GREENLAND, NEWMARKET	4.087	SQUARE MILES	Shellfish Consumption	DIOXIN - FISH CONSUMPTION ADVISORY	5-M				Non-ORW
2020/2022	NHEST600030904-04-05	GREAT BAY - COND APPR	NEWINGTON, DURHAM, GREENLAND, NEWMARKET	4.087	SQUARE MILES	Shellfish Consumption	Fecal Coliform	4A-M	9/21/2010	NEW HAMPSHIRE STATEWIDE BACTERIA	39280	Non-ORW
2020/2022	NHEST600030904-04-05	GREAT BAY - COND APPR	NEWINGTON, DURHAM, GREENLAND, NEWMARKET	4.087	SQUARE MILES	Shellfish Consumption	MERCURY - FISH CONSUMPTION ADVISORY	5-M				Non-ORW
2020/2022	NHEST600030904-04-05	GREAT BAY - COND APPR	NEWINGTON, DURHAM, GREENLAND, NEWMARKET	4.087	SQUARE MILES	Shellfish Consumption	PCBS - FISH CONSUMPTION ADVISORY	5-M				Non-ORW
2020/2022	NHEST600030904-04-06	ADAMS POINT SOUTH - COND APP	DURHAM, NEWINGTON	0.354	SQUARE MILES	Aquatic Life Integrity	Chlorophyll-a	5-M				Non-ORW
2020/2022	NHEST600030904-04-06	ADAMS POINT SOUTH - COND APP	DURHAM, NEWINGTON	0.354	SQUARE MILES	Aquatic Life Integrity	Estuarine Bioassessments	5-P				Non-ORW
2020/2022	NHEST600030904-04-06	ADAMS POINT SOUTH - COND APP	DURHAM, NEWINGTON	0.354	SQUARE MILES	Aquatic Life Integrity	Light Attenuation Coefficient	5-M				Non-ORW
2020/2022	NHEST600030904-04-06	ADAMS POINT SOUTH - COND APP	DURHAM, NEWINGTON	0.354	SQUARE MILES	Aquatic Life Integrity	Nitrogen (Total)	5-M				Non-ORW
2020/2022	NHEST600030904-04-06	ADAMS POINT SOUTH - COND APP	DURHAM, NEWINGTON	0.354	SQUARE MILES	Fish Consumption	MERCURY - FISH CONSUMPTION ADVISORY	5-M				Non-ORW
2020/2022	NHEST600030904-04-06	ADAMS POINT SOUTH - COND APP	DURHAM, NEWINGTON	0.354	SQUARE MILES	Fish Consumption	PCBS - FISH CONSUMPTION ADVISORY	5-M				Non-ORW
2020/2022	NHEST600030904-04-06	ADAMS POINT SOUTH - COND APP	DURHAM, NEWINGTON	0.354	SQUARE MILES	Primary Contact Recreation	Enterococcus	3-ND	9/21/2010	NEW HAMPSHIRE STATEWIDE BACTERIA	39277	Non-ORW
2020/2022	NHEST600030904-04-06	ADAMS POINT SOUTH - COND APP	DURHAM, NEWINGTON	0.354	SQUARE MILES	Shellfish Consumption	DIOXIN - FISH CONSUMPTION ADVISORY	5-M				Non-ORW
2020/2022	NHEST600030904-04-06	ADAMS POINT SOUTH - COND APP	DURHAM, NEWINGTON	0.354	SQUARE MILES	Shellfish Consumption	Fecal Coliform	4A-M	9/21/2010	NEW HAMPSHIRE STATEWIDE BACTERIA	39280	Non-ORW
2020/2022	NHEST600030904-04-06	ADAMS POINT SOUTH - COND APP	DURHAM, NEWINGTON	0.354	SQUARE MILES	Shellfish Consumption	MERCURY - FISH CONSUMPTION ADVISORY	5-M				Non-ORW
2020/2022	NHEST600030904-04-06	ADAMS POINT SOUTH - COND APP	DURHAM, NEWINGTON	0.354	SQUARE MILES	Shellfish Consumption	PCBS - FISH CONSUMPTION ADVISORY	5-M				Non-ORW
2020/2022	NHEST600030904-06-10	ADAMS POINT MOORING FIELD SZ	DURHAM, NEWINGTON	0.355	SQUARE MILES	Aquatic Life Integrity	Estuarine Bioassessments	5-P				Non-ORW
2020/2022	NHEST600030904-06-10	ADAMS POINT MOORING FIELD SZ	DURHAM, NEWINGTON	0.355	SQUARE MILES	Aquatic Life Integrity	Light Attenuation Coefficient	5-M				Non-ORW
2020/2022	NHEST600030904-06-10	ADAMS POINT MOORING FIELD SZ	DURHAM, NEWINGTON	0.355	SQUARE MILES	Fish Consumption	PCBS - FISH CONSUMPTION ADVISORY	5-M				Non-ORW
2020/2022	NHEST600030904-06-10	ADAMS POINT MOORING FIELD SZ	DURHAM, NEWINGTON	0.355	SQUARE MILES	Primary Contact Recreation	Enterococcus	3-ND	9/21/2010	NEW HAMPSHIRE STATEWIDE BACTERIA	39278	Non-ORW
2020/2022	NHEST600030904-06-10	ADAMS POINT MOORING FIELD SZ	DURHAM, NEWINGTON	0.355	SQUARE MILES	Shellfish Consumption	DIOXIN - FISH CONSUMPTION ADVISORY	5-M				Non-ORW
2020/2022	NHEST600030904-06-10	ADAMS POINT MOORING FIELD SZ	DURHAM, NEWINGTON	0.355	SQUARE MILES	Shellfish Consumption	MERCURY - FISH CONSUMPTION ADVISORY	5-M				Non-ORW
2020/2022	NHEST600030904-06-10	ADAMS POINT MOORING FIELD SZ	DURHAM, NEWINGTON	0.355	SQUARE MILES	Shellfish Consumption	PCBS - FISH CONSUMPTION ADVISORY	5-M				Non-ORW
2020/2022	NHEST600030904-06-11	ADAMS POINT TRIB	DURHAM	0.010	SQUARE MILES	Aquatic Life Integrity	Estuarine Bioassessments	5-P				Non-ORW
2020/2022	NHEST600030904-06-11	ADAMS POINT TRIB	DURHAM	0.010	SQUARE MILES	Aquatic Life Integrity	Light Attenuation Coefficient	5-M				Non-ORW
2020/2022	NHEST600030904-06-11	ADAMS POINT TRIB	DURHAM	0.010	SQUARE MILES	Fish Consumption	PCBS - FISH CONSUMPTION ADVISORY	5-M				Non-ORW
2020/2022	NHEST600030904-06-11	ADAMS POINT TRIB	DURHAM	0.010	SQUARE MILES	Shellfish Consumption	DIOXIN - FISH CONSUMPTION ADVISORY	5-M				Non-ORW
2020/2022	NHEST600030904-06-11	ADAMS POINT TRIB	DURHAM	0.010	SQUARE MILES	Shellfish Consumption	Fecal Coliform	4A-P	9/21/2010	NEW HAMPSHIRE STATEWIDE BACTERIA	39280	Non-ORW
2020/2022	NHEST600030904-06-11	ADAMS POINT TRIB	DURHAM	0.010	SQUARE MILES	Shellfish Consumption	MERCURY - FISH CONSUMPTION ADVISORY	5-M				Non-ORW
2020/2022	NHEST600030904-06-11	ADAMS POINT TRIB	DURHAM	0.010	SQUARE MILES	Shellfish Consumption	PCBS - FISH CONSUMPTION ADVISORY	5-M				Non-ORW
2020/2022	NHEST600030904-06-14	LOWER LITTLE BAY MARINA SZ	NEWINGTON, DOVER	0.457	SQUARE MILES	Aquatic Life Integrity	Estuarine Bioassessments	5-P				Non-ORW
2020/2022	NHEST600030904-06-14	LOWER LITTLE BAY MARINA SZ	NEWINGTON, DOVER	0.457	SQUARE MILES	Aquatic Life Integrity	Light Attenuation Coefficient	5-M				Non-ORW
2020/2022	NHEST600030904-06-14	LOWER LITTLE BAY MARINA SZ	NEWINGTON, DOVER	0.457	SQUARE MILES	Fish Consumption	PCBS - FISH CONSUMPTION ADVISORY	5-M				Non-ORW
2020/2022	NHEST600030904-06-14	LOWER LITTLE BAY MARINA SZ	NEWINGTON, DOVER	0.457	SQUARE MILES	Shellfish Consumption	DIOXIN - FISH CONSUMPTION ADVISORY	5-M				Non-ORW
2020/2022	NHEST600030904-06-14	LOWER LITTLE BAY MARINA SZ	NEWINGTON, DOVER	0.457	SQUARE MILES	Shellfish Consumption	MERCURY - FISH CONSUMPTION ADVISORY	5-M				Non-ORW
2020/2022	NHEST600030904-06-14	LOWER LITTLE BAY MARINA SZ	NEWINGTON, DOVER	0.457	SQUARE MILES	Shellfish Consumption	PCBS - FISH CONSUMPTION ADVISORY	5-M				Non-ORW
2020/2022	NHEST600030904-06-15	LOWER LITTLE BAY GENERAL SULLIVAN BRIDGE	NEWINGTON, DOVER	0.090	SQUARE MILES	Aquatic Life Integrity	Estuarine Bioassessments	5-P				Non-ORW
2020/2022	NHEST600030904-06-15	LOWER LITTLE BAY GENERAL SULLIVAN BRIDGE	NEWINGTON, DOVER	0.090	SQUARE MILES	Aquatic Life Integrity	Light Attenuation Coefficient	5-M				Non-ORW
2020/2022	NHEST600030904-06-15	LOWER LITTLE BAY GENERAL SULLIVAN BRIDGE	NEWINGTON, DOVER	0.090	SQUARE MILES	Fish Consumption	PCBS - FISH CONSUMPTION ADVISORY	5-M				Non-ORW
2020/2022	NHEST600030904-06-15	LOWER LITTLE BAY GENERAL SULLIVAN BRIDGE	NEWINGTON, DOVER	0.090	SQUARE MILES	Shellfish Consumption	DIOXIN - FISH CONSUMPTION ADVISORY	5-M				Non-ORW
2020/2022	NHEST600030904-06-15	LOWER LITTLE BAY GENERAL SULLIVAN BRIDGE	NEWINGTON, DOVER	0.090	SQUARE MILES	Shellfish Consumption	Fecal Coliform	3-PNS	9/21/2010	NEW HAMPSHIRE STATEWIDE BACTERIA	39281	Non-ORW
2020/2022	NHEST600030904-06-15	LOWER LITTLE BAY GENERAL SULLIVAN BRIDGE	NEWINGTON, DOVER	0.090	SQUARE MILES	Shellfish Consumption	MERCURY - FISH CONSUMPTION ADVISORY	5-M				Non-ORW
2020/2022	NHEST600030904-06-15	LOWER LITTLE BAY GENERAL SULLIVAN BRIDGE	NEWINGTON, DOVER	0.090	SQUARE MILES	Shellfish Consumption	PCBS - FISH CONSUMPTION ADVISORY	5-M				Non-ORW
2020/2022	NHEST600030904-06-17	OYSTER RIVER MOUTH	DURHAM	0.036	SQUARE MILES	Aquatic Life Integrity	Chlorophyll-a	5-M				Non-ORW
2020/2022	NHEST600030904-06-17	OYSTER RIVER MOUTH	DURHAM	0.036	SQUARE MILES	Aquatic Life Integrity	Dissolved oxygen saturation	5-P				Non-ORW
2020/2022	NHEST600030904-06-17	OYSTER RIVER MOUTH	DURHAM	0.036	SQUARE MILES	Aquatic Life Integrity	Estuarine Bioassessments	5-P				Non-ORW
2020/2022	NHEST600030904-06-17	OYSTER RIVER MOUTH	DURHAM	0.036	SQUARE MILES	Aquatic Life Integrity	Light Attenuation Coefficient	5-P				Non-ORW
2020/2022	NHEST600030904-06-17	OYSTER RIVER MOUTH	DURHAM	0.036	SQUARE MILES	Aquatic Life Integrity	Nitrogen (Total)	5-M				Non-ORW
2020/2022	NHEST600030904-06-17	OYSTER RIVER MOUTH	DURHAM	0.036	SQUARE MILES	Aquatic Life Integrity	Oxygen, Dissolved	5-P				Non-ORW
2020/2022	NHEST600030904-06-17	OYSTER RIVER MOUTH	DURHAM	0.036	SQUARE MILES	Fish Consumption	PCBS - FISH CONSUMPTION ADVISORY	5-M				Non-ORW
2020/2022	NHEST600030904-06-17	OYSTER RIVER MOUTH	DURHAM	0.036	SQUARE MILES	Shellfish Consumption	DIOXIN - FISH CONSUMPTION ADVISORY	5-M				Non-ORW
2020/2022	NHEST600030904-06-17	OYSTER RIVER MOUTH	DURHAM	0.036	SQUARE MILES	Shellfish Consumption	Fecal Coliform	4A-M	9/21/2010	NEW HAMPSHIRE STATEWIDE BACTERIA	39280	Non-ORW
2020/2022	NHEST600030904-06-17	OYSTER RIVER MOUTH	DURHAM	0.036	SQUARE MILES	Shellfish Consumption	MERCURY - FISH CONSUMPTION ADVISORY	5-M				Non-ORW
2020/2022	NHEST600030904-06-17	OYSTER RIVER MOUTH	DURHAM	0.036	SQUARE MILES	Shellfish Consumption	PCBS - FISH CONSUMPTION ADVISORY	5-M				Non-ORW
2020/2022	NHEST600030904-06-18	LOWER LITTLE BAY	NEWINGTON, DOVER, DURHAM	0.795	SQUARE MILES	Aquatic Life Integrity	Estuarine Bioassessments	5-P				Non-ORW
2020/2022	NHEST600030904-06-18	LOWER LITTLE BAY	NEWINGTON, DOVER, DURHAM	0.795	SQUARE MILES	Aquatic Life Integrity	Light Attenuation Coefficient	5-M				Non-ORW
2020/2022	NHEST600030904-06-18	LOWER LITTLE BAY	NEWINGTON, DOVER, DURHAM	0.795	SQUARE MILES	Fish Consumption	PCBS - FISH CONSUMPTION ADVISORY	5-M				Non-ORW
2020/2022	NHEST600030904-06-18	LOWER LITTLE BAY	NEWINGTON, DOVER, DURHAM	0.795	SQUARE MILES	Shellfish Consumption	DIOXIN - FISH CONSUMPTION ADVISORY	5-M				Non-ORW
2020/2022	NHEST600030904-06-18	LOWER LITTLE BAY	NEWINGTON, DOVER, DURHAM	0.795	SQUARE MILES	Shellfish Consumption	Fecal Coliform	4A-M	9/21/2010	NEW HAMPSHIRE STATEWIDE BACTERIA	39281	Non-ORW
2020/2022	NHEST600030904-06-18	LOWER LITTLE BAY	NEWINGTON, DOVER, DURHAM	0.795	SQUARE MILES	Shellfish Consumption	MERCURY - FISH CONSUMPTION ADVISORY	5-M				Non-ORW
2020/2022	NHEST600030904-06-18	LOWER LITTLE BAY	NEWINGTON, DOVER, DURHAM	0.795	SQUARE MILES	Shellfish Consumption	PCBS - FISH CONSUMPTION ADVISORY	5-M				Non-ORW
2020/2022	NHEST600030904-06-19	UPPER LITTLE BAY	NEWINGTON, DURHAM	1.011	SQUARE MILES	Aquatic Life Integrity	Estuarine Bioassessments	5-P				Non-ORW

2020/2022	NHEST600030904-06-19	UPPER LITTLE BAY	NEWINGTON, DURHAM	1.011	SQUARE MILES	Aquatic Life Integrity	Light Attenuation Coefficient	5-M				Non-ORW
2020/2022	NHEST600030904-06-19	UPPER LITTLE BAY	NEWINGTON, DURHAM	1.011	SQUARE MILES	Fish Consumption	PCBS - FISH CONSUMPTION ADVISORY	5-M				Non-ORW
2020/2022	NHEST600030904-06-19	UPPER LITTLE BAY	NEWINGTON, DURHAM	1.011	SQUARE MILES	Primary Contact Recreation	Enterococcus	2-M	9/21/2010	NEW HAMPSHIRE STATEWIDE BACTERIA	39278	Non-ORW
2020/2022	NHEST600030904-06-19	UPPER LITTLE BAY	NEWINGTON, DURHAM	1.011	SQUARE MILES	Shellfish Consumption	DIOXIN - FISH CONSUMPTION ADVISORY	5-M				Non-ORW
2020/2022	NHEST600030904-06-19	UPPER LITTLE BAY	NEWINGTON, DURHAM	1.011	SQUARE MILES	Shellfish Consumption	Fecal Coliform	4A-M	9/21/2010	NEW HAMPSHIRE STATEWIDE BACTERIA	39280	Non-ORW
2020/2022	NHEST600030904-06-19	UPPER LITTLE BAY	NEWINGTON, DURHAM	1.011	SQUARE MILES	Shellfish Consumption	MERCURY - FISH CONSUMPTION ADVISORY	5-M				Non-ORW
2020/2022	NHEST600030904-06-19	UPPER LITTLE BAY	NEWINGTON, DURHAM	1.011	SQUARE MILES	Shellfish Consumption	PCBS - FISH CONSUMPTION ADVISORY	5-M				Non-ORW
2020/2022	NHEST600031001-01-01	UPPER PISCATAQUA RIVER-NH-NORTH	DOVER	0.106	SQUARE MILES	Aquatic Life Integrity	Estuarine Bioassessments	5-P				Non-ORW
2020/2022	NHEST600031001-01-01	UPPER PISCATAQUA RIVER-NH-NORTH	DOVER	0.106	SQUARE MILES	Aquatic Life Integrity	Light Attenuation Coefficient	5-M				Non-ORW
2020/2022	NHEST600031001-01-01	UPPER PISCATAQUA RIVER-NH-NORTH	DOVER	0.106	SQUARE MILES	Fish Consumption	PCBS - FISH CONSUMPTION ADVISORY	5-M				Non-ORW
2020/2022	NHEST600031001-01-01	UPPER PISCATAQUA RIVER-NH-NORTH	DOVER	0.106	SQUARE MILES	Shellfish Consumption	DIOXIN - FISH CONSUMPTION ADVISORY	5-M				Non-ORW
2020/2022	NHEST600031001-01-01	UPPER PISCATAQUA RIVER-NH-NORTH	DOVER	0.106	SQUARE MILES	Shellfish Consumption	Fecal Coliform	4A-P	8/29/2011	58 NH BACTERIA IMPAIRED WATERS	40669	Non-ORW
2020/2022	NHEST600031001-01-01	UPPER PISCATAQUA RIVER-NH-NORTH	DOVER	0.106	SQUARE MILES	Shellfish Consumption	MERCURY - FISH CONSUMPTION ADVISORY	5-M				Non-ORW
2020/2022	NHEST600031001-01-01	UPPER PISCATAQUA RIVER-NH-NORTH	DOVER	0.106	SQUARE MILES	Shellfish Consumption	PCBS - FISH CONSUMPTION ADVISORY	5-M				Non-ORW
2020/2022	NHEST600031001-01-02	DOVER WWTF SZ-NH	DOVER	0.324	SQUARE MILES	Aquatic Life Integrity	Estuarine Bioassessments	5-P				Non-ORW
2020/2022	NHEST600031001-01-02	DOVER WWTF SZ-NH	DOVER	0.324	SQUARE MILES	Aquatic Life Integrity	Light Attenuation Coefficient	5-M				Non-ORW
2020/2022	NHEST600031001-01-02	DOVER WWTF SZ-NH	DOVER	0.324	SQUARE MILES	Fish Consumption	PCBS - FISH CONSUMPTION ADVISORY	5-M				Non-ORW
2020/2022	NHEST600031001-01-02	DOVER WWTF SZ-NH	DOVER	0.324	SQUARE MILES	Primary Contact Recreation	Enterococcus	4A-P	9/21/2010	NEW HAMPSHIRE STATEWIDE BACTERIA	39277	Non-ORW
2020/2022	NHEST600031001-01-02	DOVER WWTF SZ-NH	DOVER	0.324	SQUARE MILES	Shellfish Consumption	DIOXIN - FISH CONSUMPTION ADVISORY	5-M				Non-ORW
2020/2022	NHEST600031001-01-02	DOVER WWTF SZ-NH	DOVER	0.324	SQUARE MILES	Shellfish Consumption	MERCURY - FISH CONSUMPTION ADVISORY	5-M				Non-ORW
2020/2022	NHEST600031001-01-02	DOVER WWTF SZ-NH	DOVER	0.324	SQUARE MILES	Shellfish Consumption	PCBS - FISH CONSUMPTION ADVISORY	5-M				Non-ORW
2020/2022	NHEST600031001-01-03	UPPER PISCATAQUA RIVER-NH-SOUTH	DOVER	0.223	SQUARE MILES	Aquatic Life Integrity	Estuarine Bioassessments	5-P				Non-ORW
2020/2022	NHEST600031001-01-03	UPPER PISCATAQUA RIVER-NH-SOUTH	DOVER	0.223	SQUARE MILES	Aquatic Life Integrity	Light Attenuation Coefficient	5-M				Non-ORW
2020/2022	NHEST600031001-01-03	UPPER PISCATAQUA RIVER-NH-SOUTH	DOVER	0.223	SQUARE MILES	Fish Consumption	PCBS - FISH CONSUMPTION ADVISORY	5-M				Non-ORW
2020/2022	NHEST600031001-01-03	UPPER PISCATAQUA RIVER-NH-SOUTH	DOVER	0.223	SQUARE MILES	Shellfish Consumption	DIOXIN - FISH CONSUMPTION ADVISORY	5-M				Non-ORW
2020/2022	NHEST600031001-01-03	UPPER PISCATAQUA RIVER-NH-SOUTH	DOVER	0.223	SQUARE MILES	Shellfish Consumption	Fecal Coliform	4A-P	8/29/2011	58 NH BACTERIA IMPAIRED WATERS	40669	Non-ORW
2020/2022	NHEST600031001-01-03	UPPER PISCATAQUA RIVER-NH-SOUTH	DOVER	0.223	SQUARE MILES	Shellfish Consumption	MERCURY - FISH CONSUMPTION ADVISORY	5-M				Non-ORW
2020/2022	NHEST600031001-01-03	UPPER PISCATAQUA RIVER-NH-SOUTH	DOVER	0.223	SQUARE MILES	Shellfish Consumption	PCBS - FISH CONSUMPTION ADVISORY	5-M				Non-ORW
2020/2022	NHEST600031001-02-01	LOWER PISCATAQUA RIVER - NORTH	NEWINGTON, DOVER, PORTSMOUTH	0.613	SQUARE MILES	Aquatic Life Integrity	Estuarine Bioassessments	5-P				Non-ORW
2020/2022	NHEST600031001-02-01	LOWER PISCATAQUA RIVER - NORTH	NEWINGTON, DOVER, PORTSMOUTH	0.613	SQUARE MILES	Fish Consumption	PCBS - FISH CONSUMPTION ADVISORY	5-M				Non-ORW
2020/2022	NHEST600031001-02-01	LOWER PISCATAQUA RIVER - NORTH	NEWINGTON, DOVER, PORTSMOUTH	0.613	SQUARE MILES	Shellfish Consumption	DIOXIN - FISH CONSUMPTION ADVISORY	5-M				Non-ORW
2020/2022	NHEST600031001-02-01	LOWER PISCATAQUA RIVER - NORTH	NEWINGTON, DOVER, PORTSMOUTH	0.613	SQUARE MILES	Shellfish Consumption	MERCURY - FISH CONSUMPTION ADVISORY	5-M				Non-ORW
2020/2022	NHEST600031001-02-01	LOWER PISCATAQUA RIVER - NORTH	NEWINGTON, DOVER, PORTSMOUTH	0.613	SQUARE MILES	Shellfish Consumption	PCBS - FISH CONSUMPTION ADVISORY	5-M				Non-ORW
2020/2022	NHEST600031001-02-02	LOWER PISCATAQUA RIVER - SOUTH	PORTSMOUTH, NEW CASTLE	0.497	SQUARE MILES	Aquatic Life Integrity	Estuarine Bioassessments	5-P				Non-ORW
2020/2022	NHEST600031001-02-02	LOWER PISCATAQUA RIVER - SOUTH	PORTSMOUTH, NEW CASTLE	0.497	SQUARE MILES	Fish Consumption	PCBS - FISH CONSUMPTION ADVISORY	5-M				Non-ORW
2020/2022	NHEST600031001-02-02	LOWER PISCATAQUA RIVER - SOUTH	PORTSMOUTH, NEW CASTLE	0.497	SQUARE MILES	Primary Contact Recreation	Enterococcus	4A-P	9/21/2010	NEW HAMPSHIRE STATEWIDE BACTERIA	39279	Non-ORW
2020/2022	NHEST600031001-02-02	LOWER PISCATAQUA RIVER - SOUTH	PORTSMOUTH, NEW CASTLE	0.497	SQUARE MILES	Shellfish Consumption	DIOXIN - FISH CONSUMPTION ADVISORY	5-M				Non-ORW
2020/2022	NHEST600031001-02-02	LOWER PISCATAQUA RIVER - SOUTH	PORTSMOUTH, NEW CASTLE	0.497	SQUARE MILES	Shellfish Consumption	MERCURY - FISH CONSUMPTION ADVISORY	5-M				Non-ORW
2020/2022	NHEST600031001-02-02	LOWER PISCATAQUA RIVER - SOUTH	PORTSMOUTH, NEW CASTLE	0.497	SQUARE MILES	Shellfish Consumption	PCBS - FISH CONSUMPTION ADVISORY	5-M				Non-ORW
2020/2022	NHEST600031001-03	UPPER SAGAMORE CREEK	PORTSMOUTH	0.149	SQUARE MILES	Aquatic Life Integrity	Acenaphthylene	5-M				Non-ORW
2020/2022	NHEST600031001-03	UPPER SAGAMORE CREEK	PORTSMOUTH	0.149	SQUARE MILES	Aquatic Life Integrity	Aluminum	5-M				Non-ORW
2020/2022	NHEST600031001-03	UPPER SAGAMORE CREEK	PORTSMOUTH	0.149	SQUARE MILES	Aquatic Life Integrity	Arsenic	5-M				Non-ORW
2020/2022	NHEST600031001-03	UPPER SAGAMORE CREEK	PORTSMOUTH	0.149	SQUARE MILES	Aquatic Life Integrity	Benzo(a)pyrene (PAHs)	5-M				Non-ORW
2020/2022	NHEST600031001-03	UPPER SAGAMORE CREEK	PORTSMOUTH	0.149	SQUARE MILES	Aquatic Life Integrity	Benzo[a]anthracene	5-M				Non-ORW
2020/2022	NHEST600031001-03	UPPER SAGAMORE CREEK	PORTSMOUTH	0.149	SQUARE MILES	Aquatic Life Integrity	Cadmium	5-M				Non-ORW
2020/2022	NHEST600031001-03	UPPER SAGAMORE CREEK	PORTSMOUTH	0.149	SQUARE MILES	Aquatic Life Integrity	Chlorophyll-a	5-P				Non-ORW
2020/2022	NHEST600031001-03	UPPER SAGAMORE CREEK	PORTSMOUTH	0.149	SQUARE MILES	Aquatic Life Integrity	Chrysene (C1-C4)	5-M				Non-ORW
2020/2022	NHEST600031001-03	UPPER SAGAMORE CREEK	PORTSMOUTH	0.149	SQUARE MILES	Aquatic Life Integrity	Copper	5-M				Non-ORW
2020/2022	NHEST600031001-03	UPPER SAGAMORE CREEK	PORTSMOUTH	0.149	SQUARE MILES	Aquatic Life Integrity	Dibenz[a,h]anthracene	5-M				Non-ORW
2020/2022	NHEST600031001-03	UPPER SAGAMORE CREEK	PORTSMOUTH	0.149	SQUARE MILES	Aquatic Life Integrity	Estuarine Bioassessments	5-P				Non-ORW
2020/2022	NHEST600031001-03	UPPER SAGAMORE CREEK	PORTSMOUTH	0.149	SQUARE MILES	Aquatic Life Integrity	Fluoranthene	5-M				Non-ORW
2020/2022	NHEST600031001-03	UPPER SAGAMORE CREEK	PORTSMOUTH	0.149	SQUARE MILES	Aquatic Life Integrity	Lead	5-M				Non-ORW
2020/2022	NHEST600031001-03	UPPER SAGAMORE CREEK	PORTSMOUTH	0.149	SQUARE MILES	Aquatic Life Integrity	Mercury	5-M				Non-ORW
2020/2022	NHEST600031001-03	UPPER SAGAMORE CREEK	PORTSMOUTH	0.149	SQUARE MILES	Aquatic Life Integrity	Nickel	5-M				Non-ORW
2020/2022	NHEST600031001-03	UPPER SAGAMORE CREEK	PORTSMOUTH	0.149	SQUARE MILES	Aquatic Life Integrity	Oxygen, Dissolved	5-P				Non-ORW
2020/2022	NHEST600031001-03	UPPER SAGAMORE CREEK	PORTSMOUTH	0.149	SQUARE MILES	Aquatic Life Integrity	Phenanthrene	5-M				Non-ORW
2020/2022	NHEST600031001-03	UPPER SAGAMORE CREEK	PORTSMOUTH	0.149	SQUARE MILES	Aquatic Life Integrity	Pyrene	5-M				Non-ORW
2020/2022	NHEST600031001-03	UPPER SAGAMORE CREEK	PORTSMOUTH	0.149	SQUARE MILES	Aquatic Life Integrity	trans-Nonachlor	5-M				Non-ORW
2020/2022	NHEST600031001-03	UPPER SAGAMORE CREEK	PORTSMOUTH	0.149	SQUARE MILES	Fish Consumption	PCBS - FISH CONSUMPTION ADVISORY	5-M				Non-ORW
2020/2022	NHEST600031001-03	UPPER SAGAMORE CREEK	PORTSMOUTH	0.149	SQUARE MILES	Primary Contact Recreation	Enterococcus	4A-P	8/29/2011	58 NH BACTERIA IMPAIRED WATERS	40660	Non-ORW
2020/2022	NHEST600031001-03	UPPER SAGAMORE CREEK	PORTSMOUTH	0.149	SQUARE MILES	Shellfish Consumption	DIOXIN - FISH CONSUMPTION ADVISORY	5-M				Non-ORW
2020/2022	NHEST600031001-03	UPPER SAGAMORE CREEK	PORTSMOUTH	0.149	SQUARE MILES	Shellfish Consumption	Fecal Coliform	3-PNS	8/29/2011	58 NH BACTERIA IMPAIRED WATERS	40669	Non-ORW
2020/2022	NHEST600031001-03	UPPER SAGAMORE CREEK	PORTSMOUTH	0.149	SQUARE MILES	Shellfish Consumption	MERCURY - FISH CONSUMPTION ADVISORY	5-M				Non-ORW
2020/2022	NHEST600031001-03	UPPER SAGAMORE CREEK	PORTSMOUTH	0.149	SQUARE MILES	Shellfish Consumption	PCBS - FISH CONSUMPTION ADVISORY	5-M				Non-ORW
2020/2022	NHEST600031001-04	LOWER SAGAMORE CREEK	PORTSMOUTH, NEW CASTLE, RYE	0.119	SQUARE MILES	Aquatic Life Integrity	Chlorophyll-a	5-P				Non-ORW
2020/2022	NHEST600031001-04	LOWER SAGAMORE CREEK	PORTSMOUTH, NEW CASTLE, RYE	0.119	SQUARE MILES	Aquatic Life Integrity	Estuarine Bioassessments	5-P				Non-ORW
2020/2022	NHEST600031001-04	LOWER SAGAMORE CREEK	PORTSMOUTH, NEW CASTLE, RYE	0.119	SQUARE MILES	Aquatic Life Integrity	Oxygen, Dissolved	5-P				Non-ORW
2020/2022	NHEST600031001-04	LOWER SAGAMORE CREEK	PORTSMOUTH, NEW CASTLE, RYE	0.119	SQUARE MILES	Fish Consumption	PCBS - FISH CONSUMPTION ADVISORY	5-M				Non-ORW
2020/2022	NHEST600031001-04	LOWER SAGAMORE CREEK	PORTSMOUTH, NEW CASTLE, RYE	0.119	SQUARE MILES	Primary Contact Recreation	Enterococcus	4A-M	9/21/2010	NEW HAMPSHIRE STATEWIDE BACTERIA	39277	Non-ORW
2020/2022	NHEST600031001-04	LOWER SAGAMORE CREEK	PORTSMOUTH, NEW CASTLE, RYE	0.119	SQUARE MILES	Shellfish Consumption	DIOXIN - FISH CONSUMPTION ADVISORY	5-M				Non-ORW
2020/2022	NHEST600031001-04	LOWER SAGAMORE CREEK	PORTSMOUTH, NEW CASTLE, RYE	0.119	SQUARE MILES	Shellfish Consumption	MERCURY - FISH CONSUMPTION ADVISORY	5-M				Non-ORW
2020/2022	NHEST600031001-04	LOWER SAGAMORE CREEK	PORTSMOUTH, NEW CASTLE, RYE	0.119	SQUARE MILES	Shellfish Consumption	PCBS - FISH CONSUMPTION ADVISORY	5-M				Non-ORW
2020/2022	NHEST600031001-05	BACK CHANNEL	PORTSMOUTH, NEW CASTLE, RYE	0.649	SQUARE MILES	Aquatic Life Integrity	Estuarine Bioassessments	5-M				Non-ORW
2020/2022	NHEST600031001-05	BACK CHANNEL	PORTSMOUTH, NEW CASTLE, RYE	0.649	SQUARE MILES	Aquatic Life Integrity	Light Attenuation Coefficient	5-M				Non-ORW
2020/2022	NHEST600031001-05	BACK CHANNEL	PORTSMOUTH, NEW CASTLE, RYE	0.649	SQUARE MILES	Fish Consumption	PCBS - FISH CONSUMPTION ADVISORY	5-M				Non-ORW
2020/2022	NHEST600031001-05	BACK CHANNEL	PORTSMOUTH, NEW CASTLE, RYE	0.649	SQUARE MILES	Shellfish Consumption	DIOXIN - FISH CONSUMPTION ADVISORY	5-M				Non-ORW
2020/2022	NHEST600031001-05	BACK CHANNEL	PORTSMOUTH, NEW CASTLE, RYE	0.649	SQUARE MILES	Shellfish Consumption	MERCURY - FISH CONSUMPTION ADVISORY	5-M				Non-ORW
2020/2022	NHEST600031001-05	BACK CHANNEL	PORTSMOUTH, NEW CASTLE, RYE	0.649	SQUARE MILES	Shellfish Consumption	PCBS - FISH CONSUMPTION ADVISORY	5-M				Non-ORW
2020/2022	NHEST600031001-08	WENTWORTH-BY-THE-SEA	NEW CASTLE	0.023	SQUARE MILES	Aquatic Life Integrity	Estuarine Bioassessments	5-M				Non-ORW
2020/2022	NHEST600031001-08	WENTWORTH-BY-THE-SEA	NEW CASTLE	0.023	SQUARE MILES	Aquatic Life Integrity	Light Attenuation Coefficient	5-M				Non-ORW
2020/2022	NHEST600031001-08	WENTWORTH-BY-THE-SEA	NEW CASTLE	0.023	SQUARE MILES	Fish Consumption	PCBS - FISH CONSUMPTION ADVISORY	5-M				Non-ORW
2020/2022	NHEST600031001-08	WENTWORTH-BY-THE-SEA	NEW CASTLE	0.023	SQUARE MILES	Shellfish Consumption	DIOXIN - FISH CONSUMPTION ADVISORY	5-M				Non-ORW
2020/2022	NHEST600031001-08	WENTWORTH-BY-THE-SEA	NEW CASTLE	0.023	SQUARE MILES	Shellfish Consumption	MERCURY - FISH CONSUMPTION ADVISORY	5-M				Non-ORW
2020/2022	NHEST600031001-08	WENTWORTH-BY-THE-SEA	NEW CASTLE	0.023	SQUARE MILES	Shellfish Consumption	PCBS - FISH CONSUMPTION ADVISORY	5-M				Non-ORW
2020/2022	NHEST600031001-09	SOUTH MILL POND	PORTSMOUTH	0.029	SQUARE MILES	Fish Consumption	PCBS - FISH CONSUMPTION ADVISORY	5-M				Non-ORW
2020/2022	NHEST600031001-09	SOUTH MILL POND	PORTSMOUTH	0.029	SQUARE MILES	Primary Contact Recreation	Enterococcus	4A-P	9/21/2010	NEW HAMPSHIRE STATEWIDE BACTERIA	39279	Non-ORW
2020/2022	NHEST600031001-09	SOUTH MILL POND	PORTSMOUTH	0.029	SQUARE MILES	Shellfish Consumption	DIOXIN - FISH CONSUMPTION ADVISORY	5-M				Non-ORW

2020/2022	NHEST600031001-09	SOUTH MILL POND	PORTSMOUTH	0.029	SQUARE MILES	Shellfish Consumption	MERCURY - FISH CONSUMPTION ADVISORY	5-M				Non-ORW
2020/2022	NHEST600031001-09	SOUTH MILL POND	PORTSMOUTH	0.029	SQUARE MILES	Shellfish Consumption	PCBS - FISH CONSUMPTION ADVISORY	5-M				Non-ORW
2020/2022	NHEST600031001-10	NORTH MILL POND	PORTSMOUTH	0.123	SQUARE MILES	Fish Consumption	PCBS - FISH CONSUMPTION ADVISORY	5-M				Non-ORW
2020/2022	NHEST600031001-10	NORTH MILL POND	PORTSMOUTH	0.123	SQUARE MILES	Primary Contact Recreation	Enterococcus	4A-P	9/21/2010	NEW HAMPSHIRE STATEWIDE BACTERIA	39277	Non-ORW
2020/2022	NHEST600031001-10	NORTH MILL POND	PORTSMOUTH	0.123	SQUARE MILES	Shellfish Consumption	DIOXIN - FISH CONSUMPTION ADVISORY	5-M				Non-ORW
2020/2022	NHEST600031001-10	NORTH MILL POND	PORTSMOUTH	0.123	SQUARE MILES	Shellfish Consumption	MERCURY - FISH CONSUMPTION ADVISORY	5-M				Non-ORW
2020/2022	NHEST600031001-10	NORTH MILL POND	PORTSMOUTH	0.123	SQUARE MILES	Shellfish Consumption	PCBS - FISH CONSUMPTION ADVISORY	5-M				Non-ORW
2020/2022	NHEST600031001-11	UPPER PORTSMOUTH HARBOR-NH	NEW CASTLE	0.719	SQUARE MILES	Aquatic Life Integrity	Estuarine Bioassessments	5-P				Non-ORW
2020/2022	NHEST600031001-11	UPPER PORTSMOUTH HARBOR-NH	NEW CASTLE	0.719	SQUARE MILES	Aquatic Life Integrity	Light Attenuation Coefficient	5-M				Non-ORW
2020/2022	NHEST600031001-11	UPPER PORTSMOUTH HARBOR-NH	NEW CASTLE	0.719	SQUARE MILES	Fish Consumption	PCBS - FISH CONSUMPTION ADVISORY	5-M				Non-ORW
2020/2022	NHEST600031001-11	UPPER PORTSMOUTH HARBOR-NH	NEW CASTLE	0.719	SQUARE MILES	Shellfish Consumption	DIOXIN - FISH CONSUMPTION ADVISORY	5-M				Non-ORW
2020/2022	NHEST600031001-11	UPPER PORTSMOUTH HARBOR-NH	NEW CASTLE	0.719	SQUARE MILES	Shellfish Consumption	MERCURY - FISH CONSUMPTION ADVISORY	5-M				Non-ORW
2020/2022	NHEST600031001-11	UPPER PORTSMOUTH HARBOR-NH	NEW CASTLE	0.719	SQUARE MILES	Shellfish Consumption	PCBS - FISH CONSUMPTION ADVISORY	5-M				Non-ORW
2020/2022	NHEST600031002-01-01	WITCH CREEK	RYE	0.086	SQUARE MILES	Fish Consumption	PCBS - FISH CONSUMPTION ADVISORY	5-M				Non-ORW
2020/2022	NHEST600031002-01-01	WITCH CREEK	RYE	0.086	SQUARE MILES	Primary Contact Recreation	Enterococcus	4A-M	9/21/2010	NEW HAMPSHIRE STATEWIDE BACTERIA	39277	Non-ORW
2020/2022	NHEST600031002-01-01	WITCH CREEK	RYE	0.086	SQUARE MILES	Shellfish Consumption	DIOXIN - FISH CONSUMPTION ADVISORY	5-M				Non-ORW
2020/2022	NHEST600031002-01-01	WITCH CREEK	RYE	0.086	SQUARE MILES	Shellfish Consumption	Fecal Coliform	3-PNS	9/21/2010	NEW HAMPSHIRE STATEWIDE BACTERIA	39280	Non-ORW
2020/2022	NHEST600031002-01-01	WITCH CREEK	RYE	0.086	SQUARE MILES	Shellfish Consumption	MERCURY - FISH CONSUMPTION ADVISORY	5-M				Non-ORW
2020/2022	NHEST600031002-01-01	WITCH CREEK	RYE	0.086	SQUARE MILES	Shellfish Consumption	PCBS - FISH CONSUMPTION ADVISORY	5-M				Non-ORW
2020/2022	NHEST600031002-01-02	BERRYS BROOK	RYE	0.054	SQUARE MILES	Fish Consumption	PCBS - FISH CONSUMPTION ADVISORY	5-M				Non-ORW
2020/2022	NHEST600031002-01-02	BERRYS BROOK	RYE	0.054	SQUARE MILES	Primary Contact Recreation	Enterococcus	4A-M	9/21/2010	NEW HAMPSHIRE STATEWIDE BACTERIA	39277	Non-ORW
2020/2022	NHEST600031002-01-02	BERRYS BROOK	RYE	0.054	SQUARE MILES	Shellfish Consumption	DIOXIN - FISH CONSUMPTION ADVISORY	5-M				Non-ORW
2020/2022	NHEST600031002-01-02	BERRYS BROOK	RYE	0.054	SQUARE MILES	Shellfish Consumption	Fecal Coliform	3-PNS	9/21/2010	NEW HAMPSHIRE STATEWIDE BACTERIA	39280	Non-ORW
2020/2022	NHEST600031002-01-02	BERRYS BROOK	RYE	0.054	SQUARE MILES	Shellfish Consumption	MERCURY - FISH CONSUMPTION ADVISORY	5-M				Non-ORW
2020/2022	NHEST600031002-01-02	BERRYS BROOK	RYE	0.054	SQUARE MILES	Shellfish Consumption	PCBS - FISH CONSUMPTION ADVISORY	5-M				Non-ORW
2020/2022	NHEST600031002-02	LITTLE HARBOR	RYE, NEW CASTLE	0.309	SQUARE MILES	Aquatic Life Integrity	Estuarine Bioassessments	5-M				Non-ORW
2020/2022	NHEST600031002-02	LITTLE HARBOR	RYE, NEW CASTLE	0.309	SQUARE MILES	Aquatic Life Integrity	Light Attenuation Coefficient	5-M				Non-ORW
2020/2022	NHEST600031002-02	LITTLE HARBOR	RYE, NEW CASTLE	0.309	SQUARE MILES	Fish Consumption	PCBS - FISH CONSUMPTION ADVISORY	5-M				Non-ORW
2020/2022	NHEST600031002-02	LITTLE HARBOR	RYE, NEW CASTLE	0.309	SQUARE MILES	Primary Contact Recreation	Enterococcus	2-G	8/25/2006	LITTLE HARBOR	30361	Non-ORW
2020/2022	NHEST600031002-02	LITTLE HARBOR	RYE, NEW CASTLE	0.309	SQUARE MILES	Shellfish Consumption	DIOXIN - FISH CONSUMPTION ADVISORY	5-M				Non-ORW
2020/2022	NHEST600031002-02	LITTLE HARBOR	RYE, NEW CASTLE	0.309	SQUARE MILES	Shellfish Consumption	Fecal Coliform	3-PNS	8/25/2006	LITTLE HARBOR	30631	Non-ORW
2020/2022	NHEST600031002-02	LITTLE HARBOR	RYE, NEW CASTLE	0.309	SQUARE MILES	Shellfish Consumption	MERCURY - FISH CONSUMPTION ADVISORY	5-M				Non-ORW
2020/2022	NHEST600031002-02	LITTLE HARBOR	RYE, NEW CASTLE	0.309	SQUARE MILES	Shellfish Consumption	PCBS - FISH CONSUMPTION ADVISORY	5-M				Non-ORW
2020/2022	NHEST600031002-03	CHAPEL BROOK	NORTH HAMPTON	0.006	SQUARE MILES	Fish Consumption	PCBS - FISH CONSUMPTION ADVISORY	5-M				Non-ORW
2020/2022	NHEST600031002-03	CHAPEL BROOK	NORTH HAMPTON	0.006	SQUARE MILES	Shellfish Consumption	DIOXIN - FISH CONSUMPTION ADVISORY	5-M				Non-ORW
2020/2022	NHEST600031002-03	CHAPEL BROOK	NORTH HAMPTON	0.006	SQUARE MILES	Shellfish Consumption	Fecal Coliform	4A-P	8/29/2011	58 NH BACTERIA IMPAIRED WATERS	40669	Non-ORW
2020/2022	NHEST600031002-03	CHAPEL BROOK	NORTH HAMPTON	0.006	SQUARE MILES	Shellfish Consumption	MERCURY - FISH CONSUMPTION ADVISORY	5-M				Non-ORW
2020/2022	NHEST600031002-03	CHAPEL BROOK	NORTH HAMPTON	0.006	SQUARE MILES	Shellfish Consumption	PCBS - FISH CONSUMPTION ADVISORY	5-M				Non-ORW
2020/2022	NHEST600031002-04	UNNAMED BROOK TO BASS BEACH	RYE	0.002	SQUARE MILES	Fish Consumption	PCBS - FISH CONSUMPTION ADVISORY	5-M				Non-ORW
2020/2022	NHEST600031002-04	UNNAMED BROOK TO BASS BEACH	RYE	0.002	SQUARE MILES	Shellfish Consumption	DIOXIN - FISH CONSUMPTION ADVISORY	5-M				Non-ORW
2020/2022	NHEST600031002-04	UNNAMED BROOK TO BASS BEACH	RYE	0.002	SQUARE MILES	Shellfish Consumption	Fecal Coliform	4A-P	8/29/2011	58 NH BACTERIA IMPAIRED WATERS	40669	Non-ORW
2020/2022	NHEST600031002-04	UNNAMED BROOK TO BASS BEACH	RYE	0.002	SQUARE MILES	Shellfish Consumption	MERCURY - FISH CONSUMPTION ADVISORY	5-M				Non-ORW
2020/2022	NHEST600031002-04	UNNAMED BROOK TO BASS BEACH	RYE	0.002	SQUARE MILES	Shellfish Consumption	PCBS - FISH CONSUMPTION ADVISORY	5-M				Non-ORW
2020/2022	NHEST600031002-05	PARSONS CREEK	RYE	0.005	SQUARE MILES	Fish Consumption	PCBS - FISH CONSUMPTION ADVISORY	5-M				Non-ORW
2020/2022	NHEST600031002-05	PARSONS CREEK	RYE	0.005	SQUARE MILES	Primary Contact Recreation	Enterococcus	4A-P	8/29/2011	58 NH BACTERIA IMPAIRED WATERS	40669	Non-ORW
2020/2022	NHEST600031002-05	PARSONS CREEK	RYE	0.005	SQUARE MILES	Shellfish Consumption	DIOXIN - FISH CONSUMPTION ADVISORY	5-M				Non-ORW
2020/2022	NHEST600031002-05	PARSONS CREEK	RYE	0.005	SQUARE MILES	Shellfish Consumption	Fecal Coliform	4A-P	8/29/2011	58 NH BACTERIA IMPAIRED WATERS	40669	Non-ORW
2020/2022	NHEST600031002-05	PARSONS CREEK	RYE	0.005	SQUARE MILES	Shellfish Consumption	MERCURY - FISH CONSUMPTION ADVISORY	5-M				Non-ORW
2020/2022	NHEST600031002-05	PARSONS CREEK	RYE	0.005	SQUARE MILES	Shellfish Consumption	PCBS - FISH CONSUMPTION ADVISORY	5-M				Non-ORW
2020/2022	NHEST600031003-01	HAMPTON FALLS RIVER	HAMPTON FALLS	0.011	SQUARE MILES	Fish Consumption	PCBS - FISH CONSUMPTION ADVISORY	5-M				Non-ORW
2020/2022	NHEST600031003-01	HAMPTON FALLS RIVER	HAMPTON FALLS	0.011	SQUARE MILES	Shellfish Consumption	DIOXIN - FISH CONSUMPTION ADVISORY	5-M				Non-ORW
2020/2022	NHEST600031003-01	HAMPTON FALLS RIVER	HAMPTON FALLS	0.011	SQUARE MILES	Shellfish Consumption	Fecal Coliform	4A-P	5/20/2004	HAMPTON FALLS RIVER	11434	Non-ORW
2020/2022	NHEST600031003-01	HAMPTON FALLS RIVER	HAMPTON FALLS	0.011	SQUARE MILES	Shellfish Consumption	MERCURY - FISH CONSUMPTION ADVISORY	5-M				Non-ORW
2020/2022	NHEST600031003-01	HAMPTON FALLS RIVER	HAMPTON FALLS	0.011	SQUARE MILES	Shellfish Consumption	PCBS - FISH CONSUMPTION ADVISORY	5-M				Non-ORW
2020/2022	NHEST600031003-02	TAYLOR RIVER	HAMPTON, HAMPTON FALLS	0.047	SQUARE MILES	Fish Consumption	PCBS - FISH CONSUMPTION ADVISORY	5-M				Non-ORW
2020/2022	NHEST600031003-02	TAYLOR RIVER	HAMPTON, HAMPTON FALLS	0.047	SQUARE MILES	Shellfish Consumption	DIOXIN - FISH CONSUMPTION ADVISORY	5-M				Non-ORW
2020/2022	NHEST600031003-02	TAYLOR RIVER	HAMPTON, HAMPTON FALLS	0.047	SQUARE MILES	Shellfish Consumption	Fecal Coliform	4A-P	9/21/2010	NEW HAMPSHIRE STATEWIDE BACTERIA	39281	Non-ORW
2020/2022	NHEST600031003-02	TAYLOR RIVER	HAMPTON, HAMPTON FALLS	0.047	SQUARE MILES	Shellfish Consumption	MERCURY - FISH CONSUMPTION ADVISORY	5-M				Non-ORW
2020/2022	NHEST600031003-02	TAYLOR RIVER	HAMPTON, HAMPTON FALLS	0.047	SQUARE MILES	Shellfish Consumption	PCBS - FISH CONSUMPTION ADVISORY	5-M				Non-ORW
2020/2022	NHEST600031003-03	TAYLOR RIVER	HAMPTON	0.058	SQUARE MILES	Fish Consumption	PCBS - FISH CONSUMPTION ADVISORY	5-M				Non-ORW
2020/2022	NHEST600031003-03	TAYLOR RIVER	HAMPTON	0.058	SQUARE MILES	Shellfish Consumption	DIOXIN - FISH CONSUMPTION ADVISORY	5-M				Non-ORW
2020/2022	NHEST600031003-03	TAYLOR RIVER	HAMPTON	0.058	SQUARE MILES	Shellfish Consumption	Fecal Coliform	4A-M	9/21/2010	NEW HAMPSHIRE STATEWIDE BACTERIA	39280	Non-ORW
2020/2022	NHEST600031003-03	TAYLOR RIVER	HAMPTON	0.058	SQUARE MILES	Shellfish Consumption	MERCURY - FISH CONSUMPTION ADVISORY	5-M				Non-ORW
2020/2022	NHEST600031003-03	TAYLOR RIVER	HAMPTON	0.058	SQUARE MILES	Shellfish Consumption	PCBS - FISH CONSUMPTION ADVISORY	5-M				Non-ORW
2020/2022	NHEST600031003-04	HAMPTON RIVER BOAT CLUB SZ	HAMPTON	0.004	SQUARE MILES	Aquatic Life Integrity	Oxygen, Dissolved	5-P				Non-ORW
2020/2022	NHEST600031003-04	HAMPTON RIVER BOAT CLUB SZ	HAMPTON	0.004	SQUARE MILES	Fish Consumption	PCBS - FISH CONSUMPTION ADVISORY	5-M				Non-ORW
2020/2022	NHEST600031003-04	HAMPTON RIVER BOAT CLUB SZ	HAMPTON	0.004	SQUARE MILES	Shellfish Consumption	DIOXIN - FISH CONSUMPTION ADVISORY	5-M				Non-ORW
2020/2022	NHEST600031003-04	HAMPTON RIVER BOAT CLUB SZ	HAMPTON	0.004	SQUARE MILES	Shellfish Consumption	MERCURY - FISH CONSUMPTION ADVISORY	5-M				Non-ORW
2020/2022	NHEST600031003-04	HAMPTON RIVER BOAT CLUB SZ	HAMPTON	0.004	SQUARE MILES	Shellfish Consumption	PCBS - FISH CONSUMPTION ADVISORY	5-M				Non-ORW
2020/2022	NHEST600031004-01-02	HAMPTON FALLS RIVER (WWTF SZ)	HAMPTON FALLS, HAMPTON	0.063	SQUARE MILES	Fish Consumption	PCBS - FISH CONSUMPTION ADVISORY	5-M				Non-ORW
2020/2022	NHEST600031004-01-02	HAMPTON FALLS RIVER (WWTF SZ)	HAMPTON FALLS, HAMPTON	0.063	SQUARE MILES	Shellfish Consumption	DIOXIN - FISH CONSUMPTION ADVISORY	5-M				Non-ORW
2020/2022	NHEST600031004-01-02	HAMPTON FALLS RIVER (WWTF SZ)	HAMPTON FALLS, HAMPTON	0.063	SQUARE MILES	Shellfish Consumption	MERCURY - FISH CONSUMPTION ADVISORY	5-M				Non-ORW
2020/2022	NHEST600031004-01-02	HAMPTON FALLS RIVER (WWTF SZ)	HAMPTON FALLS, HAMPTON	0.063	SQUARE MILES	Shellfish Consumption	PCBS - FISH CONSUMPTION ADVISORY	5-M				Non-ORW
2020/2022	NHEST600031004-01-03	HAMPTON FALLS RIVER	HAMPTON, HAMPTON FALLS	0.092	SQUARE MILES	Fish Consumption	PCBS - FISH CONSUMPTION ADVISORY	5-M				Non-ORW
2020/2022	NHEST600031004-01-03	HAMPTON FALLS RIVER	HAMPTON, HAMPTON FALLS	0.092	SQUARE MILES	Shellfish Consumption	DIOXIN - FISH CONSUMPTION ADVISORY	5-M				Non-ORW
2020/2022	NHEST600031004-01-03	HAMPTON FALLS RIVER	HAMPTON, HAMPTON FALLS	0.092	SQUARE MILES	Shellfish Consumption	Fecal Coliform	4A-M	9/21/2010	NEW HAMPSHIRE STATEWIDE BACTERIA	39280	Non-ORW
2020/2022	NHEST600031004-01-03	HAMPTON FALLS RIVER	HAMPTON, HAMPTON FALLS	0.092	SQUARE MILES	Shellfish Consumption	MERCURY - FISH CONSUMPTION ADVISORY	5-M				Non-ORW
2020/2022	NHEST600031004-01-03	HAMPTON FALLS RIVER	HAMPTON, HAMPTON FALLS	0.092	SQUARE MILES	Shellfish Consumption	PCBS - FISH CONSUMPTION ADVISORY	5-M				Non-ORW
2020/2022	NHEST600031004-02-02	TAYLOR RIVER (LOWER)	HAMPTON	0.015	SQUARE MILES	Aquatic Life Integrity	Aluminum	5-M				Non-ORW
2020/2022	NHEST600031004-02-02	TAYLOR RIVER (LOWER)	HAMPTON	0.015	SQUARE MILES	Fish Consumption	PCBS - FISH CONSUMPTION ADVISORY	5-M				Non-ORW
2020/2022	NHEST600031004-02-02	TAYLOR RIVER (LOWER)	HAMPTON	0.015	SQUARE MILES	Shellfish Consumption	DIOXIN - FISH CONSUMPTION ADVISORY	5-M				Non-ORW
2020/2022	NHEST600031004-02-02	TAYLOR RIVER (LOWER)	HAMPTON	0.015	SQUARE MILES	Shellfish Consumption	Fecal Coliform	4A-M	9/21/2010	NEW HAMPSHIRE STATEWIDE BACTERIA	39280	Non-ORW
2020/2022	NHEST600031004-02-02	TAYLOR RIVER (LOWER)	HAMPTON	0.015	SQUARE MILES	Shellfish Consumption	MERCURY - FISH CONSUMPTION ADVISORY	5-M				Non-ORW
2020/2022	NHEST600031004-02-02	TAYLOR RIVER (LOWER)	HAMPTON	0.015	SQUARE MILES	Shellfish Consumption	PCBS - FISH CONSUMPTION ADVISORY	5-M				Non-ORW
2020/2022	NHEST600031004-02-03	BLIND CREEK WWTF SZ	HAMPTON	0.032	SQUARE MILES	Fish Consumption	PCBS - FISH CONSUMPTION ADVISORY	5-M				Non-ORW
2020/2022	NHEST600031004-02-03	BLIND CREEK WWTF SZ	HAMPTON	0.032	SQUARE MILES	Shellfish Consumption	DIOXIN - FISH CONSUMPTION ADVISORY	5-M				Non-ORW
2020/2022	NHEST600031004-02-03	BLIND CREEK WWTF SZ	HAMPTON	0.032	SQUARE MILES	Shellfish Consumption	MERCURY - FISH CONSUMPTION ADVISORY	5-M				Non-ORW

2020/2022	NHEST600031004-02-03	BLIND CREEK WWTF SZ	HAMPTON	0.032	SQUARE MILES	Shellfish Consumption	PCBS - FISH CONSUMPTION ADVISORY	5-M					Non-ORW
2020/2022	NHEST600031004-02-05	NUDDS CANAL	HAMPTON	0.034	SQUARE MILES	Fish Consumption	PCBS - FISH CONSUMPTION ADVISORY	5-M					Non-ORW
2020/2022	NHEST600031004-02-05	NUDDS CANAL	HAMPTON	0.034	SQUARE MILES	Shellfish Consumption	DIOXIN - FISH CONSUMPTION ADVISORY	5-M					Non-ORW
2020/2022	NHEST600031004-02-05	NUDDS CANAL	HAMPTON	0.034	SQUARE MILES	Shellfish Consumption	MERCURY - FISH CONSUMPTION ADVISORY	5-M					Non-ORW
2020/2022	NHEST600031004-02-05	NUDDS CANAL	HAMPTON	0.034	SQUARE MILES	Shellfish Consumption	PCBS - FISH CONSUMPTION ADVISORY	5-M					Non-ORW
2020/2022	NHEST600031004-03-03	TIDE MILL CREEK	HAMPTON	0.121	SQUARE MILES	Fish Consumption	PCBS - FISH CONSUMPTION ADVISORY	5-M					Non-ORW
2020/2022	NHEST600031004-03-03	TIDE MILL CREEK	HAMPTON	0.121	SQUARE MILES	Shellfish Consumption	DIOXIN - FISH CONSUMPTION ADVISORY	5-M					Non-ORW
2020/2022	NHEST600031004-03-03	TIDE MILL CREEK	HAMPTON	0.121	SQUARE MILES	Shellfish Consumption	MERCURY - FISH CONSUMPTION ADVISORY	5-M					Non-ORW
2020/2022	NHEST600031004-03-03	TIDE MILL CREEK	HAMPTON	0.121	SQUARE MILES	Shellfish Consumption	PCBS - FISH CONSUMPTION ADVISORY	5-M					Non-ORW
2020/2022	NHEST600031004-04-01	HAMPTON RIVER WWTF SZ	HAMPTON, HAMPTON FALLS	0.154	SQUARE MILES	Fish Consumption	PCBS - FISH CONSUMPTION ADVISORY	5-M					Non-ORW
2020/2022	NHEST600031004-04-01	HAMPTON RIVER WWTF SZ	HAMPTON, HAMPTON FALLS	0.154	SQUARE MILES	Shellfish Consumption	DIOXIN - FISH CONSUMPTION ADVISORY	5-M					Non-ORW
2020/2022	NHEST600031004-04-01	HAMPTON RIVER WWTF SZ	HAMPTON, HAMPTON FALLS	0.154	SQUARE MILES	Shellfish Consumption	MERCURY - FISH CONSUMPTION ADVISORY	5-M					Non-ORW
2020/2022	NHEST600031004-04-01	HAMPTON RIVER WWTF SZ	HAMPTON, HAMPTON FALLS	0.154	SQUARE MILES	Shellfish Consumption	PCBS - FISH CONSUMPTION ADVISORY	5-M					Non-ORW
2020/2022	NHEST600031004-05-01	BROWNS RIVER (LOWER)	SEABROOK, HAMPTON FALLS	0.026	SQUARE MILES	Fish Consumption	PCBS - FISH CONSUMPTION ADVISORY	5-M					Non-ORW
2020/2022	NHEST600031004-05-01	BROWNS RIVER (LOWER)	SEABROOK, HAMPTON FALLS	0.026	SQUARE MILES	Shellfish Consumption	DIOXIN - FISH CONSUMPTION ADVISORY	5-M					Non-ORW
2020/2022	NHEST600031004-05-01	BROWNS RIVER (LOWER)	SEABROOK, HAMPTON FALLS	0.026	SQUARE MILES	Shellfish Consumption	Fecal Coliform	4A-P	5/20/2004	BROWNS RIVER	11433		Non-ORW
2020/2022	NHEST600031004-05-01	BROWNS RIVER (LOWER)	SEABROOK, HAMPTON FALLS	0.026	SQUARE MILES	Shellfish Consumption	MERCURY - FISH CONSUMPTION ADVISORY	5-M					Non-ORW
2020/2022	NHEST600031004-05-01	BROWNS RIVER (LOWER)	SEABROOK, HAMPTON FALLS	0.026	SQUARE MILES	Shellfish Consumption	PCBS - FISH CONSUMPTION ADVISORY	5-M					Non-ORW
2020/2022	NHEST600031004-05-02	BACK CREEK	SEABROOK	0.007	SQUARE MILES	Fish Consumption	PCBS - FISH CONSUMPTION ADVISORY	5-M					Non-ORW
2020/2022	NHEST600031004-05-02	BACK CREEK	SEABROOK	0.007	SQUARE MILES	Shellfish Consumption	DIOXIN - FISH CONSUMPTION ADVISORY	5-M					Non-ORW
2020/2022	NHEST600031004-05-02	BACK CREEK	SEABROOK	0.007	SQUARE MILES	Shellfish Consumption	Fecal Coliform	4A-P	5/20/2004	BROWNS RIVER	11433		Non-ORW
2020/2022	NHEST600031004-05-02	BACK CREEK	SEABROOK	0.007	SQUARE MILES	Shellfish Consumption	MERCURY - FISH CONSUMPTION ADVISORY	5-M					Non-ORW
2020/2022	NHEST600031004-05-02	BACK CREEK	SEABROOK	0.007	SQUARE MILES	Shellfish Consumption	PCBS - FISH CONSUMPTION ADVISORY	5-M					Non-ORW
2020/2022	NHEST600031004-05-03	SWAINS CREEK	HAMPTON FALLS	0.025	SQUARE MILES	Fish Consumption	PCBS - FISH CONSUMPTION ADVISORY	5-M					Non-ORW
2020/2022	NHEST600031004-05-03	SWAINS CREEK	HAMPTON FALLS	0.025	SQUARE MILES	Shellfish Consumption	DIOXIN - FISH CONSUMPTION ADVISORY	5-M					Non-ORW
2020/2022	NHEST600031004-05-03	SWAINS CREEK	HAMPTON FALLS	0.025	SQUARE MILES	Shellfish Consumption	Fecal Coliform	4A-P	5/20/2004	BROWNS RIVER	11433		Non-ORW
2020/2022	NHEST600031004-05-03	SWAINS CREEK	HAMPTON FALLS	0.025	SQUARE MILES	Shellfish Consumption	MERCURY - FISH CONSUMPTION ADVISORY	5-M					Non-ORW
2020/2022	NHEST600031004-05-03	SWAINS CREEK	HAMPTON FALLS	0.025	SQUARE MILES	Shellfish Consumption	PCBS - FISH CONSUMPTION ADVISORY	5-M					Non-ORW
2020/2022	NHEST600031004-05-04	BROWNS RIVER (UPPER)	SEABROOK, HAMPTON FALLS	0.045	SQUARE MILES	Fish Consumption	PCBS - FISH CONSUMPTION ADVISORY	5-M					Non-ORW
2020/2022	NHEST600031004-05-04	BROWNS RIVER (UPPER)	SEABROOK, HAMPTON FALLS	0.045	SQUARE MILES	Shellfish Consumption	DIOXIN - FISH CONSUMPTION ADVISORY	5-M					Non-ORW
2020/2022	NHEST600031004-05-04	BROWNS RIVER (UPPER)	SEABROOK, HAMPTON FALLS	0.045	SQUARE MILES	Shellfish Consumption	Fecal Coliform	4A-P	5/20/2004	BROWNS RIVER	11433		Non-ORW
2020/2022	NHEST600031004-05-04	BROWNS RIVER (UPPER)	SEABROOK, HAMPTON FALLS	0.045	SQUARE MILES	Shellfish Consumption	MERCURY - FISH CONSUMPTION ADVISORY	5-M					Non-ORW
2020/2022	NHEST600031004-05-04	BROWNS RIVER (UPPER)	SEABROOK, HAMPTON FALLS	0.045	SQUARE MILES	Shellfish Consumption	PCBS - FISH CONSUMPTION ADVISORY	5-M					Non-ORW
2020/2022	NHEST600031004-06-01	HUNTS ISLAND CREEK (LOWER)	SEABROOK	0.010	SQUARE MILES	Fish Consumption	PCBS - FISH CONSUMPTION ADVISORY	5-M					Non-ORW
2020/2022	NHEST600031004-06-01	HUNTS ISLAND CREEK (LOWER)	SEABROOK	0.010	SQUARE MILES	Shellfish Consumption	DIOXIN - FISH CONSUMPTION ADVISORY	5-M					Non-ORW
2020/2022	NHEST600031004-06-01	HUNTS ISLAND CREEK (LOWER)	SEABROOK	0.010	SQUARE MILES	Shellfish Consumption	Fecal Coliform	4A-P	5/20/2004	HUNTS ISLAND CREEK	11432		Non-ORW
2020/2022	NHEST600031004-06-01	HUNTS ISLAND CREEK (LOWER)	SEABROOK	0.010	SQUARE MILES	Shellfish Consumption	MERCURY - FISH CONSUMPTION ADVISORY	5-M					Non-ORW
2020/2022	NHEST600031004-06-01	HUNTS ISLAND CREEK (LOWER)	SEABROOK	0.010	SQUARE MILES	Shellfish Consumption	PCBS - FISH CONSUMPTION ADVISORY	5-M					Non-ORW
2020/2022	NHEST600031004-06-02	HUNTS ISLAND CREEK (UPPER)	SEABROOK	0.029	SQUARE MILES	Fish Consumption	PCBS - FISH CONSUMPTION ADVISORY	5-M					Non-ORW
2020/2022	NHEST600031004-06-02	HUNTS ISLAND CREEK (UPPER)	SEABROOK	0.029	SQUARE MILES	Shellfish Consumption	DIOXIN - FISH CONSUMPTION ADVISORY	5-M					Non-ORW
2020/2022	NHEST600031004-06-02	HUNTS ISLAND CREEK (UPPER)	SEABROOK	0.029	SQUARE MILES	Shellfish Consumption	Fecal Coliform	4A-P	5/20/2004	HUNTS ISLAND CREEK	11432		Non-ORW
2020/2022	NHEST600031004-06-02	HUNTS ISLAND CREEK (UPPER)	SEABROOK	0.029	SQUARE MILES	Shellfish Consumption	MERCURY - FISH CONSUMPTION ADVISORY	5-M					Non-ORW
2020/2022	NHEST600031004-06-02	HUNTS ISLAND CREEK (UPPER)	SEABROOK	0.029	SQUARE MILES	Shellfish Consumption	PCBS - FISH CONSUMPTION ADVISORY	5-M					Non-ORW
2020/2022	NHEST600031004-07	MILL CREEK	SEABROOK	0.065	SQUARE MILES	Fish Consumption	PCBS - FISH CONSUMPTION ADVISORY	5-M					Non-ORW
2020/2022	NHEST600031004-07	MILL CREEK	SEABROOK	0.065	SQUARE MILES	Primary Contact Recreation	Enterococcus	4A-P	8/29/2011	58 NH BACTERIA IMPAIRED WATERS	40659		Non-ORW
2020/2022	NHEST600031004-07	MILL CREEK	SEABROOK	0.065	SQUARE MILES	Shellfish Consumption	DIOXIN - FISH CONSUMPTION ADVISORY	5-M					Non-ORW
2020/2022	NHEST600031004-07	MILL CREEK	SEABROOK	0.065	SQUARE MILES	Shellfish Consumption	Fecal Coliform	4A-P	5/20/2004	MILL CREEK	11431		Non-ORW
2020/2022	NHEST600031004-07	MILL CREEK	SEABROOK	0.065	SQUARE MILES	Shellfish Consumption	MERCURY - FISH CONSUMPTION ADVISORY	5-M					Non-ORW
2020/2022	NHEST600031004-07	MILL CREEK	SEABROOK	0.065	SQUARE MILES	Shellfish Consumption	PCBS - FISH CONSUMPTION ADVISORY	5-M					Non-ORW
2020/2022	NHEST600031004-08-04	BLACKWATER RIVER	SEABROOK	0.309	SQUARE MILES	Fish Consumption	PCBS - FISH CONSUMPTION ADVISORY	5-M					Non-ORW
2020/2022	NHEST600031004-08-04	BLACKWATER RIVER	SEABROOK	0.309	SQUARE MILES	Primary Contact Recreation	Enterococcus	4A-M	8/29/2011	58 NH BACTERIA IMPAIRED WATERS	40660		Non-ORW
2020/2022	NHEST600031004-08-04	BLACKWATER RIVER	SEABROOK	0.309	SQUARE MILES	Shellfish Consumption	DIOXIN - FISH CONSUMPTION ADVISORY	5-M					Non-ORW
2020/2022	NHEST600031004-08-04	BLACKWATER RIVER	SEABROOK	0.309	SQUARE MILES	Shellfish Consumption	Fecal Coliform	4A-P	5/20/2004	BLACKWATER RIVER	11437		Non-ORW
2020/2022	NHEST600031004-08-04	BLACKWATER RIVER	SEABROOK	0.309	SQUARE MILES	Shellfish Consumption	MERCURY - FISH CONSUMPTION ADVISORY	5-M					Non-ORW
2020/2022	NHEST600031004-08-04	BLACKWATER RIVER	SEABROOK	0.309	SQUARE MILES	Shellfish Consumption	PCBS - FISH CONSUMPTION ADVISORY	5-M					Non-ORW
2020/2022	NHEST600031004-08-05	BLOOD CREEK	SEABROOK	0.015	SQUARE MILES	Fish Consumption	PCBS - FISH CONSUMPTION ADVISORY	5-M					Non-ORW
2020/2022	NHEST600031004-08-05	BLOOD CREEK	SEABROOK	0.015	SQUARE MILES	Shellfish Consumption	DIOXIN - FISH CONSUMPTION ADVISORY	5-M					Non-ORW
2020/2022	NHEST600031004-08-05	BLOOD CREEK	SEABROOK	0.015	SQUARE MILES	Shellfish Consumption	Fecal Coliform	4A-P	5/20/2004	BLACKWATER RIVER	11437		Non-ORW
2020/2022	NHEST600031004-08-05	BLOOD CREEK	SEABROOK	0.015	SQUARE MILES	Shellfish Consumption	MERCURY - FISH CONSUMPTION ADVISORY	5-M					Non-ORW
2020/2022	NHEST600031004-08-05	BLOOD CREEK	SEABROOK	0.015	SQUARE MILES	Shellfish Consumption	PCBS - FISH CONSUMPTION ADVISORY	5-M					Non-ORW
2020/2022	NHEST600031004-09-05	HAMPTON/SEABROOK HARBOR - SEABROOK HARBOR BEACH	SEABROOK	0.006	SQUARE MILES	Fish Consumption	PCBS - FISH CONSUMPTION ADVISORY	5-M					Non-ORW
2020/2022	NHEST600031004-09-05	HAMPTON/SEABROOK HARBOR - SEABROOK HARBOR BEACH	SEABROOK	0.006	SQUARE MILES	Primary Contact Recreation	Enterococcus	2-M	9/21/2010	NEW HAMPSHIRE STATEWIDE BACTERIA	39277		Non-ORW
2020/2022	NHEST600031004-09-05	HAMPTON/SEABROOK HARBOR - SEABROOK HARBOR BEACH	SEABROOK	0.006	SQUARE MILES	Shellfish Consumption	DIOXIN - FISH CONSUMPTION ADVISORY	5-M					Non-ORW
2020/2022	NHEST600031004-09-05	HAMPTON/SEABROOK HARBOR - SEABROOK HARBOR BEACH	SEABROOK	0.006	SQUARE MILES	Shellfish Consumption	Fecal Coliform	4A-P	5/20/2004	HAMPTON/SEABROOK HARBOR #2	11435		Non-ORW
2020/2022	NHEST600031004-09-05	HAMPTON/SEABROOK HARBOR - SEABROOK HARBOR BEACH	SEABROOK	0.006	SQUARE MILES	Shellfish Consumption	MERCURY - FISH CONSUMPTION ADVISORY	5-M					Non-ORW
2020/2022	NHEST600031004-09-05	HAMPTON/SEABROOK HARBOR - SEABROOK HARBOR BEACH	SEABROOK	0.006	SQUARE MILES	Shellfish Consumption	PCBS - FISH CONSUMPTION ADVISORY	5-M					Non-ORW
2020/2022	NHEST600031004-09-06	HAMPTON/SEABROOK HARBOR - HAMPTON HARBOR BEACH	HAMPTON	0.000	SQUARE MILES	Fish Consumption	PCBS - FISH CONSUMPTION ADVISORY	5-M					Non-ORW
2020/2022	NHEST600031004-09-06	HAMPTON/SEABROOK HARBOR - HAMPTON HARBOR BEACH	HAMPTON	0.000	SQUARE MILES	Shellfish Consumption	DIOXIN - FISH CONSUMPTION ADVISORY	5-M					Non-ORW
2020/2022	NHEST600031004-09-06	HAMPTON/SEABROOK HARBOR - HAMPTON HARBOR BEACH	HAMPTON	0.000	SQUARE MILES	Shellfish Consumption	Fecal Coliform	4A-P	5/20/2004	HAMPTON/SEABROOK HARBOR #2	11435		Non-ORW
2020/2022	NHEST600031004-09-06	HAMPTON/SEABROOK HARBOR - HAMPTON HARBOR BEACH	HAMPTON	0.000	SQUARE MILES	Shellfish Consumption	MERCURY - FISH CONSUMPTION ADVISORY	5-M					Non-ORW
2020/2022	NHEST600031004-09-06	HAMPTON/SEABROOK HARBOR - HAMPTON HARBOR BEACH	HAMPTON	0.000	SQUARE MILES	Shellfish Consumption	PCBS - FISH CONSUMPTION ADVISORY	5-M					Non-ORW
2020/2022	NHEST600031004-09-07	FISH COOP 150 FT SZ	SEABROOK	0.006	SQUARE MILES	Fish Consumption	PCBS - FISH CONSUMPTION ADVISORY	5-M					Non-ORW
2020/2022	NHEST600031004-09-07	FISH COOP 150 FT SZ	SEABROOK	0.006	SQUARE MILES	Shellfish Consumption	DIOXIN - FISH CONSUMPTION ADVISORY	5-M					Non-ORW
2020/2022	NHEST600031004-09-07	FISH COOP 150 FT SZ	SEABROOK	0.006	SQUARE MILES	Shellfish Consumption	Fecal Coliform	4A-P	5/20/2004	HAMPTON/SEABROOK HARBOR #2	11435		Non-ORW
2020/2022	NHEST600031004-09-07	FISH COOP 150 FT SZ	SEABROOK	0.006	SQUARE MILES	Shellfish Consumption	MERCURY - FISH CONSUMPTION ADVISORY	5-M					Non-ORW
2020/2022	NHEST600031004-09-07	FISH COOP 150 FT SZ	SEABROOK	0.006	SQUARE MILES	Shellfish Consumption	PCBS - FISH CONSUMPTION ADVISORY	5-M					Non-ORW

2020/2022	NHEST600031004-09-08	HAMPTON RIVER MARINA SZ	HAMPTON	0.146	SQUARE MILES	Fish Consumption	PCBS - FISH CONSUMPTION ADVISORY	5-M				Non-ORW
2020/2022	NHEST600031004-09-08	HAMPTON RIVER MARINA SZ	HAMPTON	0.146	SQUARE MILES	Primary Contact Recreation	Enterococcus	4A-M	9/21/2010	NEW HAMPSHIRE STATEWIDE BACTERIA	39277	Non-ORW
2020/2022	NHEST600031004-09-08	HAMPTON RIVER MARINA SZ	HAMPTON	0.146	SQUARE MILES	Shellfish Consumption	DIOXIN - FISH CONSUMPTION ADVISORY	5-M				Non-ORW
2020/2022	NHEST600031004-09-08	HAMPTON RIVER MARINA SZ	HAMPTON	0.146	SQUARE MILES	Shellfish Consumption	Fecal Coliform	4A-P	5/20/2004	HAMPTON/SEABROOK HARBOR #2	11435	Non-ORW
2020/2022	NHEST600031004-09-08	HAMPTON RIVER MARINA SZ	HAMPTON	0.146	SQUARE MILES	Shellfish Consumption	MERCURY - FISH CONSUMPTION ADVISORY	5-M				Non-ORW
2020/2022	NHEST600031004-09-08	HAMPTON RIVER MARINA SZ	HAMPTON	0.146	SQUARE MILES	Shellfish Consumption	PCBS - FISH CONSUMPTION ADVISORY	5-M				Non-ORW
2020/2022	NHEST600031004-09-09	HAMPTON/SEABROOK HARBOR	SEABROOK, HAMPTON, HAMPTON FALLS	0.615	SQUARE MILES	Aquatic Life Integrity	Aluminum	5-M				Non-ORW
2020/2022	NHEST600031004-09-09	HAMPTON/SEABROOK HARBOR	SEABROOK, HAMPTON, HAMPTON FALLS	0.615	SQUARE MILES	Aquatic Life Integrity	DDD	5-M				Non-ORW
2020/2022	NHEST600031004-09-09	HAMPTON/SEABROOK HARBOR	SEABROOK, HAMPTON, HAMPTON FALLS	0.615	SQUARE MILES	Aquatic Life Integrity	Dieldrin	5-M				Non-ORW
2020/2022	NHEST600031004-09-09	HAMPTON/SEABROOK HARBOR	SEABROOK, HAMPTON, HAMPTON FALLS	0.615	SQUARE MILES	Aquatic Life Integrity	Lindane	5-M				Non-ORW
2020/2022	NHEST600031004-09-09	HAMPTON/SEABROOK HARBOR	SEABROOK, HAMPTON, HAMPTON FALLS	0.615	SQUARE MILES	Aquatic Life Integrity	trans-Nonachlor	5-M				Non-ORW
2020/2022	NHEST600031004-09-09	HAMPTON/SEABROOK HARBOR	SEABROOK, HAMPTON, HAMPTON FALLS	0.615	SQUARE MILES	Fish Consumption	PCBS - FISH CONSUMPTION ADVISORY	5-M				Non-ORW
2020/2022	NHEST600031004-09-09	HAMPTON/SEABROOK HARBOR	SEABROOK, HAMPTON, HAMPTON FALLS	0.615	SQUARE MILES	Shellfish Consumption	DIOXIN - FISH CONSUMPTION ADVISORY	5-M				Non-ORW
2020/2022	NHEST600031004-09-09	HAMPTON/SEABROOK HARBOR	SEABROOK, HAMPTON, HAMPTON FALLS	0.615	SQUARE MILES	Shellfish Consumption	Fecal Coliform	4A-P	9/29/2003	HAMPTON/SEABROOK HARBOR	10014	Non-ORW
2020/2022	NHEST600031004-09-09	HAMPTON/SEABROOK HARBOR	SEABROOK, HAMPTON, HAMPTON FALLS	0.615	SQUARE MILES	Shellfish Consumption	MERCURY - FISH CONSUMPTION ADVISORY	5-M				Non-ORW
2020/2022	NHEST600031004-09-09	HAMPTON/SEABROOK HARBOR	SEABROOK, HAMPTON, HAMPTON FALLS	0.615	SQUARE MILES	Shellfish Consumption	PCBS - FISH CONSUMPTION ADVISORY	5-M				Non-ORW
2020/2022	NHEST600031004-10	LITTLE RIVER	NORTH HAMPTON, HAMPTON	0.011	SQUARE MILES	Fish Consumption	PCBS - FISH CONSUMPTION ADVISORY	5-M				Non-ORW
2020/2022	NHEST600031004-10	LITTLE RIVER	NORTH HAMPTON, HAMPTON	0.011	SQUARE MILES	Primary Contact Recreation	Enterococcus	4A-P	8/29/2011	58 NH BACTERIA IMPAIRED WATERS	40669	Non-ORW
2020/2022	NHEST600031004-10	LITTLE RIVER	NORTH HAMPTON, HAMPTON	0.011	SQUARE MILES	Shellfish Consumption	DIOXIN - FISH CONSUMPTION ADVISORY	5-M				Non-ORW
2020/2022	NHEST600031004-10	LITTLE RIVER	NORTH HAMPTON, HAMPTON	0.011	SQUARE MILES	Shellfish Consumption	Fecal Coliform	4A-P	8/29/2011	58 NH BACTERIA IMPAIRED WATERS	40669	Non-ORW
2020/2022	NHEST600031004-10	LITTLE RIVER	NORTH HAMPTON, HAMPTON	0.011	SQUARE MILES	Shellfish Consumption	MERCURY - FISH CONSUMPTION ADVISORY	5-M				Non-ORW
2020/2022	NHEST600031004-10	LITTLE RIVER	NORTH HAMPTON, HAMPTON	0.011	SQUARE MILES	Shellfish Consumption	PCBS - FISH CONSUMPTION ADVISORY	5-M				Non-ORW
2020/2022	NHIMP400010605-01	ANDROSCOGGIN RIVER - D. C. POWER DAM	BERLIN	100.000	ACRES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHIMP400010605-01	ANDROSCOGGIN RIVER - D. C. POWER DAM	BERLIN	100.000	ACRES	Fish Consumption	Dioxin (including 2,3,7,8-TCDD)	4B-M				Non-ORW
2020/2022	NHIMP400010605-01	ANDROSCOGGIN RIVER - D. C. POWER DAM	BERLIN	100.000	ACRES	Primary Contact Recreation	Escherichia coli	4B-M				Non-ORW
2020/2022	NHIMP400010605-02	ANDROSCOGGIN RIVER - RIVERSIDE DAM	BERLIN	7.000	ACRES	Fish Consumption	Dioxin (including 2,3,7,8-TCDD)	4B-M				Non-ORW
2020/2022	NHIMP400010605-02	ANDROSCOGGIN RIVER - RIVERSIDE DAM	BERLIN	7.000	ACRES	Primary Contact Recreation	Escherichia coli	4B-M				Non-ORW
2020/2022	NHIMP400010605-03	ANDROSCOGGIN RIVER - SMITH DAM	BERLIN	8.000	ACRES	Fish Consumption	Dioxin (including 2,3,7,8-TCDD)	4B-M				Non-ORW
2020/2022	NHIMP400010605-03	ANDROSCOGGIN RIVER - SMITH DAM	BERLIN	8.000	ACRES	Primary Contact Recreation	Escherichia coli	4B-M				Non-ORW
2020/2022	NHIMP400010606-02	ANDROSCOGGIN RIVER - CROSS POWER DAM	BERLIN	22.000	ACRES	Fish Consumption	Dioxin (including 2,3,7,8-TCDD)	4B-M				Non-ORW
2020/2022	NHIMP400010606-02	ANDROSCOGGIN RIVER - CROSS POWER DAM	BERLIN	22.000	ACRES	Primary Contact Recreation	Escherichia coli	4B-M				Non-ORW
2020/2022	NHIMP400010606-03	ANDROSCOGGIN RIVER - CASCADE DAM	BERLIN, GORHAM	50.000	ACRES	Fish Consumption	Dioxin (including 2,3,7,8-TCDD)	4B-M				Non-ORW
2020/2022	NHIMP400010606-03	ANDROSCOGGIN RIVER - CASCADE DAM	BERLIN, GORHAM	50.000	ACRES	Primary Contact Recreation	Escherichia coli	4B-M				Non-ORW
2020/2022	NHIMP400010606-04	ANDROSCOGGIN RIVER - GORHAM DAM	GORHAM	64.541	ACRES	Fish Consumption	Dioxin (including 2,3,7,8-TCDD)	4B-M				Non-ORW
2020/2022	NHIMP400020101-01-01	MOOSE RIVER	RANDOLPH	0.568	ACRES							ORW
2020/2022	NHIMP400020101-01-02	MOOSE BROOK - TOWN POOL-RAVINE BEACH	RANDOLPH	1.380	ACRES	Primary Contact Recreation	Escherichia coli	4A-M	9/21/2010	NEW HAMPSHIRE STATEWIDE BACTERIA	39276	ORW
2020/2022	NHIMP400020101-02-02	MOOSE BROOK - MOOSE BROOK STATE PARK BEACH	GORHAM	1.380	ACRES	Primary Contact Recreation	Escherichia coli	4A-P	9/21/2010	NEW HAMPSHIRE STATEWIDE BACTERIA	39275	Non-ORW
2020/2022	NHIMP400020102-01	PEABODY RIVER - WILDCAT MOUNTAIN DAM	PINKHAMS GRANT	1.500	ACRES							ORW
2020/2022	NHIMP400020102-02	ANDROSCOGGIN RIVER DAM	GORHAM	3.000	ACRES	Fish Consumption	Dioxin (including 2,3,7,8-TCDD)	4B-M				Non-ORW
2020/2022	NHIMP400020102-03	UNNAMED BROOK - NINETEENMILE BROOK DAM	GREENS GRANT	0.092	ACRES							ORW
2020/2022	NHIMP400020103-01	ANDROSCOGGIN RIVER - REFLECTION POND	SHELBURNE	56.219	ACRES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHIMP400020103-01	ANDROSCOGGIN RIVER - REFLECTION POND	SHELBURNE	56.219	ACRES	Fish Consumption	Dioxin (including 2,3,7,8-TCDD)	4B-M				Non-ORW
2020/2022	NHIMP400020103-02	RATTLE RIVER - RATTLE BROOK DAM	SHELBURNE	0.010	ACRES							ORW
2020/2022	NHIMP600020101-01	SACO RIVER - WILLEY HOUSE DAM	HARTS LOCATION	2.000	ACRES							ORW
2020/2022	NHIMP600020105-01	CUTLER RIVER	PINKHAMS GRANT	0.150	ACRES							ORW
2020/2022	NHIMP600020105-02	MESERVE BROOK	JACKSON	0.250	ACRES							ORW
2020/2022	NHIMP600020105-04	GOODRICH FALLS DAM-ELLIS RIVER	BARTLETT	3.000	ACRES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHIMP600020106-01	ALBANY BROOK - FIRE PROTECTION POND	BARTLETT	0.200	ACRES							Review OneStop GIS
2020/2022	NHIMP600020203-01	DRY BROOK DAM - TR SWIFT RIVER	ALBANY	0.500	ACRES							ORW
2020/2022	NHIMP600020203-02	TRIB TO LOWER SWIFT RIVER	ALBANY	0.093	ACRES							ORW
2020/2022	NHIMP600020702-01-02	DAN HOLE RIVER - MILL POND TOWN BEACH	OSSIPEE	1.380	ACRES	Primary Contact Recreation	Escherichia coli	4A-P	9/21/2010	NEW HAMPSHIRE STATEWIDE BACTERIA	39276	Non-ORW
2020/2022	NHIMP600020901-03	COLD BROOK - MILL BROOK	FREEDOM	2.000	ACRES	Aquatic Life Integrity	Dissolved oxygen saturation	5-P				Non-ORW
2020/2022	NHIMP600020901-03	COLD BROOK - MILL BROOK	FREEDOM	2.000	ACRES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHIMP600030405-03	SALMON FALLS RIVER - GREAT FALLS UPPER DAM	SOMERSWORTH	50.000	ACRES	Aquatic Life Integrity	Non-Native Aquatic Plants	4C-P				Non-ORW
2020/2022	NHIMP600030405-03	SALMON FALLS RIVER - GREAT FALLS UPPER DAM	SOMERSWORTH	50.000	ACRES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHIMP600030405-04	SALMON FALLS RIVER - BAXTER MILL DAM POND	ROCHESTER	157.000	ACRES	Aquatic Life Integrity	Non-Native Aquatic Plants	4C-P				Non-ORW
2020/2022	NHIMP600030405-04	SALMON FALLS RIVER - BAXTER MILL DAM POND	ROCHESTER	157.000	ACRES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHIMP600030405-04	SALMON FALLS RIVER - BAXTER MILL DAM POND	ROCHESTER	157.000	ACRES	Primary Contact Recreation	Escherichia coli	4A-M	9/21/2010	NEW HAMPSHIRE STATEWIDE BACTERIA	39272	Non-ORW
2020/2022	NHIMP600030406-02	SALMON FALLS RIVER - LOWER GREAT FALLS DAM	SOMERSWORTH	33.000	ACRES	Aquatic Life Integrity	Non-Native Aquatic Plants	4C-P				Non-ORW
2020/2022	NHIMP600030406-02	SALMON FALLS RIVER - LOWER GREAT FALLS DAM	SOMERSWORTH	33.000	ACRES	Primary Contact Recreation	Escherichia coli	4A-M	9/21/2010	NEW HAMPSHIRE STATEWIDE BACTERIA	39272	Non-ORW
2020/2022	NHIMP600030406-03	SALMON FALLS RIVER - ROLLINSFORD DAM	ROLLINSFORD, SOMERSWORTH	57.000	ACRES	Aquatic Life Integrity	Non-Native Aquatic Plants	4C-P				Non-ORW
2020/2022	NHIMP600030406-03	SALMON FALLS RIVER - ROLLINSFORD DAM	ROLLINSFORD, SOMERSWORTH	57.000	ACRES	Aquatic Life Integrity	Oxygen, Dissolved	2-M	11/22/1999	SALMON FALLS	11114	Non-ORW
2020/2022	NHIMP600030406-03	SALMON FALLS RIVER - ROLLINSFORD DAM	ROLLINSFORD, SOMERSWORTH	57.000	ACRES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHIMP600030406-04	SALMON FALLS RIVER - SOUTH BERWICK DAM	ROLLINSFORD	58.000	ACRES	Aquatic Life Integrity	Non-Native Aquatic Plants	4C-P				Non-ORW
2020/2022	NHIMP600030406-04	SALMON FALLS RIVER - SOUTH BERWICK DAM	ROLLINSFORD	58.000	ACRES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHIMP600030406-04	SALMON FALLS RIVER - SOUTH BERWICK DAM	ROLLINSFORD	58.000	ACRES	Primary Contact Recreation	Chlorophyll-a	5-M				Non-ORW
2020/2022	NHIMP600030406-04	SALMON FALLS RIVER - SOUTH BERWICK DAM	ROLLINSFORD	58.000	ACRES	Primary Contact Recreation	Escherichia coli	4A-M	9/21/2010	NEW HAMPSHIRE STATEWIDE BACTERIA	39272	Non-ORW
2020/2022	NHIMP600030601-02	COCHECO RIVER - COCHECO DAM I	FARMINGTON	4.000	ACRES							ORW
2020/2022	NHIMP600030601-04	MEYER POND DAM	NEW DURHAM	0.870	ACRES							ORW
2020/2022	NHIMP600030601-05	UNNAMED BROOK - MEYER WILDLIFE POND	NEW DURHAM	2.087	ACRES							ORW
2020/2022	NHIMP600030603-01	COCHECO RIVER - CITY DAM 1	ROCHESTER	50.000	ACRES	Aquatic Life Integrity	Dissolved oxygen saturation	5-M				Non-ORW
2020/2022	NHIMP600030603-01	COCHECO RIVER - CITY DAM 1	ROCHESTER	50.000	ACRES	Aquatic Life Integrity	Non-Native Aquatic Plants	4C-M				Non-ORW
2020/2022	NHIMP600030603-01	COCHECO RIVER - CITY DAM 1	ROCHESTER	50.000	ACRES	Aquatic Life Integrity	Oxygen, Dissolved	5-M				Non-ORW
2020/2022	NHIMP600030603-01	COCHECO RIVER - CITY DAM 1	ROCHESTER	50.000	ACRES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHIMP600030603-02	COCHECO RIVER - HATFIELD DAM	ROCHESTER	1.000	ACRES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHIMP600030603-02	COCHECO RIVER - HATFIELD DAM	ROCHESTER	1.000	ACRES	Primary Contact Recreation	Escherichia coli	4A-M	9/30/2013	44 Bacteria Impaired Waters	55220	Non-ORW
2020/2022	NHIMP600030604-01	UNNAMED BROOK - SHERBURNE BROOK DAM	NORTHWOOD	4.558	ACRES							ORW

2020/2022	NHIMP600030604-02	UNNAMED BROOK - GARBOSKI BEAVER POND DAM	STRAFFORD	0.453	ACRES								ORW
2020/2022	NHIMP600030605-01	WILDLIFE POND DAM	STRAFFORD	5.885	ACRES								ORW
2020/2022	NHIMP600030605-02	KENNETH HILL POND	STRAFFORD	28.331	ACRES								ORW
2020/2022	NHIMP600030605-05	UNNAMED BROOK - FARM POND	BARRINGTON	0.523	ACRES								ORW
2020/2022	NHIMP600030607-02	COCHECO RIVER - GONIC DAM POND	ROCHESTER	18.000	ACRES	Aquatic Life Integrity	pH	5-M					Non-ORW
2020/2022	NHIMP600030607-02	COCHECO RIVER - GONIC DAM POND	ROCHESTER	18.000	ACRES	Primary Contact Recreation	Escherichia coli	4A-P	9/21/2010	NEW HAMPSHIRE STATEWIDE BACTERIA	39272		Non-ORW
2020/2022	NHIMP600030608-02	COCHECO RIVER - WATSON WALDRON DAM	DOVER	54.000	ACRES	Aquatic Life Integrity	pH	5-M					Non-ORW
2020/2022	NHIMP600030608-04	COCHECO RIVER - CENTRAL AVE DAM	DOVER	20.000	ACRES	Aquatic Life Integrity	pH	5-M					Non-ORW
2020/2022	NHIMP600030608-04	COCHECO RIVER - CENTRAL AVE DAM	DOVER	20.000	ACRES	Primary Contact Recreation	Escherichia coli	3-ND	9/21/2010	NEW HAMPSHIRE STATEWIDE BACTERIA	39272		Non-ORW
2020/2022	NHIMP600030701-01	LAMPREY RIVER	DEERFIELD	40.000	ACRES	Aquatic Life Integrity	pH	5-M					Non-ORW
2020/2022	NHIMP600030702-01	BEAVER POND DAM - NORTH BRANCH RIVER	DEERFIELD	62.240	ACRES								ORW
2020/2022	NHIMP600030702-01-02	BEAVER POND - BEAVER POND BEACH	DEERFIELD	1.380	ACRES								ORW
2020/2022	NHIMP600030708-01	BROWN BROOK - PISCASSIC RIVER	FREMONT	0.300	ACRES								ORW
2020/2022	NHIMP600030708-03	PISCASSIC RIVER	NEWMARKET	4.000	ACRES	Aquatic Life Integrity	Dissolved oxygen saturation	5-P					Non-ORW
2020/2022	NHIMP600030708-03	PISCASSIC RIVER	NEWMARKET	4.000	ACRES	Aquatic Life Integrity	Oxygen, Dissolved	5-P					Non-ORW
2020/2022	NHIMP600030708-03	PISCASSIC RIVER	NEWMARKET	4.000	ACRES	Aquatic Life Integrity	pH	5-M					Non-ORW
2020/2022	NHIMP600030709-02	LAMPREY RIVER - WISWALL DAM	DURHAM, LEE	30.000	ACRES	Aquatic Life Integrity	pH	5-M					Non-ORW
2020/2022	NHIMP600030709-03	LAMPREY RIVER - MACALLEN DAM	DURHAM, NEWMARKET	120.000	ACRES	Aquatic Life Integrity	pH	5-M					Non-ORW
2020/2022	NHIMP600030803-03	EXETER RIVER	FREMONT, BRENTWOOD	24.000	ACRES	Aquatic Life Integrity	pH	5-M					Non-ORW
2020/2022	NHIMP600030806-08	CLEMSON POND	EXETER	5.668	ACRES	Primary Contact Recreation	Escherichia coli	4B-M					Non-ORW
2020/2022	NHIMP600030901-02	WINNICUT RIVER DAM POND	GREENLAND	1.000	ACRES	Aquatic Life Integrity	Dissolved oxygen saturation	5-P					Non-ORW
2020/2022	NHIMP600030901-02	WINNICUT RIVER DAM POND	GREENLAND	1.000	ACRES	Aquatic Life Integrity	Oxygen, Dissolved	5-P					Non-ORW
2020/2022	NHIMP600030901-02	WINNICUT RIVER DAM POND	GREENLAND	1.000	ACRES	Aquatic Life Integrity	pH	5-M					Non-ORW
2020/2022	NHIMP600030901-02	WINNICUT RIVER DAM POND	GREENLAND	1.000	ACRES	Primary Contact Recreation	Escherichia coli	4A-P	9/21/2010	NEW HAMPSHIRE STATEWIDE BACTERIA	39272		Non-ORW
2020/2022	NHIMP600030902-04	OYSTER RIVER - MILL POND DAM	DURHAM	24.000	ACRES	Aquatic Life Integrity	Dissolved oxygen saturation	5-M					Non-ORW
2020/2022	NHIMP600030902-04	OYSTER RIVER - MILL POND DAM	DURHAM	24.000	ACRES	Aquatic Life Integrity	Oxygen, Dissolved	5-P					Non-ORW
2020/2022	NHIMP600030902-04	OYSTER RIVER - MILL POND DAM	DURHAM	24.000	ACRES	Aquatic Life Integrity	pH	5-M					Non-ORW
2020/2022	NHIMP600030902-04	OYSTER RIVER - MILL POND DAM	DURHAM	24.000	ACRES	Primary Contact Recreation	Chlorophyll-a	5-M					Non-ORW
2020/2022	NHIMP600030902-04	OYSTER RIVER - MILL POND DAM	DURHAM	24.000	ACRES	Primary Contact Recreation	Escherichia coli	4A-P	9/21/2010	NEW HAMPSHIRE STATEWIDE BACTERIA	39272		Non-ORW
2020/2022	NHIMP600030902-06	BEARDS CREEK	DURHAM	16.000	ACRES	Aquatic Life Integrity	Dissolved oxygen saturation	5-M					Non-ORW
2020/2022	NHIMP600030902-06	BEARDS CREEK	DURHAM	16.000	ACRES	Aquatic Life Integrity	Oxygen, Dissolved	5-M					Non-ORW
2020/2022	NHIMP600030902-06	BEARDS CREEK	DURHAM	16.000	ACRES	Primary Contact Recreation	Escherichia coli	4A-M	9/21/2010	NEW HAMPSHIRE STATEWIDE BACTERIA	39272		Non-ORW
2020/2022	NHIMP600030903-02	BELLAMY RIVER - SAWYERS MILL DAM POND	DOVER	20.717	ACRES	Aquatic Life Integrity	pH	5-M					Non-ORW
2020/2022	NHIMP600030903-02	BELLAMY RIVER - SAWYERS MILL DAM POND	DOVER	20.717	ACRES	Primary Contact Recreation	Chlorophyll-a	5-M					Non-ORW
2020/2022	NHIMP600030903-02	BELLAMY RIVER - SAWYERS MILL DAM POND	DOVER	20.717	ACRES	Primary Contact Recreation	Escherichia coli	4A-P	9/21/2010	NEW HAMPSHIRE STATEWIDE BACTERIA	39272		Non-ORW
2020/2022	NHIMP600031003-19	RICE DAM POND - ON TAYLOR RIVER	HAMPTON FALLS, HAMPTON	1.377	ACRES	Aquatic Life Integrity	Arsenic	5-M					Non-ORW
2020/2022	NHIMP600031003-19	RICE DAM POND - ON TAYLOR RIVER	HAMPTON FALLS, HAMPTON	1.377	ACRES	Aquatic Life Integrity	Barium	5-M					Non-ORW
2020/2022	NHIMP600031003-19	RICE DAM POND - ON TAYLOR RIVER	HAMPTON FALLS, HAMPTON	1.377	ACRES	Aquatic Life Integrity	Benzo(a)pyrene (PAHs)	5-M					Non-ORW
2020/2022	NHIMP600031003-19	RICE DAM POND - ON TAYLOR RIVER	HAMPTON FALLS, HAMPTON	1.377	ACRES	Aquatic Life Integrity	Benzo[b]fluoranthene	5-M					Non-ORW
2020/2022	NHIMP600031003-19	RICE DAM POND - ON TAYLOR RIVER	HAMPTON FALLS, HAMPTON	1.377	ACRES	Aquatic Life Integrity	Benzo[k]fluoranthene	5-M					Non-ORW
2020/2022	NHIMP600031003-19	RICE DAM POND - ON TAYLOR RIVER	HAMPTON FALLS, HAMPTON	1.377	ACRES	Aquatic Life Integrity	DDE	5-M					Non-ORW
2020/2022	NHIMP600031003-19	RICE DAM POND - ON TAYLOR RIVER	HAMPTON FALLS, HAMPTON	1.377	ACRES	Aquatic Life Integrity	Indeno[1,2,3-cd]pyrene	5-M					Non-ORW
2020/2022	NHIMP600031003-19	RICE DAM POND - ON TAYLOR RIVER	HAMPTON FALLS, HAMPTON	1.377	ACRES	Aquatic Life Integrity	Nickel	5-M					Non-ORW
2020/2022	NHIMP600031003-19	RICE DAM POND - ON TAYLOR RIVER	HAMPTON FALLS, HAMPTON	1.377	ACRES	Aquatic Life Integrity	Zinc	5-M					Non-ORW
2020/2022	NHIMP600031004-04	SECORD POND DAM	SEABROOK	2.500	ACRES	Aquatic Life Integrity	pH	5-M					Non-ORW
2020/2022	NHIMP600031004-04	SECORD POND DAM	SEABROOK	2.500	ACRES	Aquatic Life Integrity	Sedimentation/Siltation	4C-P					Non-ORW
2020/2022	NHIMP600031004-05	CAINS BROOK	SEABROOK	2.400	ACRES	Aquatic Life Integrity	Oxygen, Dissolved	5-P					Non-ORW
2020/2022	NHIMP600031004-05	CAINS BROOK	SEABROOK	2.400	ACRES	Aquatic Life Integrity	pH	5-M					Non-ORW
2020/2022	NHIMP600031004-06	CAINS BROOK - NOYES POND	SEABROOK	0.900	ACRES	Aquatic Life Integrity	Chloride	5-M					Non-ORW
2020/2022	NHIMP600031004-06	CAINS BROOK - NOYES POND	SEABROOK	0.900	ACRES	Aquatic Life Integrity	Dissolved oxygen saturation	5-P					Non-ORW
2020/2022	NHIMP600031004-06	CAINS BROOK - NOYES POND	SEABROOK	0.900	ACRES	Aquatic Life Integrity	Oxygen, Dissolved	5-P					Non-ORW
2020/2022	NHIMP600031004-06	CAINS BROOK - NOYES POND	SEABROOK	0.900	ACRES	Aquatic Life Integrity	pH	5-M					Non-ORW
2020/2022	NHIMP600031004-06	CAINS BROOK - NOYES POND	SEABROOK	0.900	ACRES	Primary Contact Recreation	Escherichia coli	4A-M	8/29/2011	58 NH BACTERIA IMPAIRED WATERS	40662		Non-ORW
2020/2022	NHIMP700010104-01	LOON POND BROOK - LOON RESERVOIR	LINCOLN	0.150	ACRES								ORW
2020/2022	NHIMP700010201-01	BOYCE BROOK - BOYCE BROOK DAM	LINCOLN	0.250	ACRES								ORW
2020/2022	NHIMP700010201-04	UNNAMED BROOK - HIGHWAY DAM	FRANCONIA	2.415	ACRES								ORW
2020/2022	NHIMP700010201-05	SHADOW LAKE	LINCOLN	3.091	ACRES								Review OneStop GIS
2020/2022	NHIMP700010202-01	GORDON POND	WOODSTOCK	1.000	ACRES								ORW
2020/2022	NHIMP700010203-01	BEAVER BROOK	WOODSTOCK	0.679	ACRES								Review OneStop GIS
2020/2022	NHIMP700010206-01	DEER RUN POND DAM	CAMPTON	2.400	ACRES								ORW
2020/2022	NHIMP700010302-01	BLACK BROOK - WEEKS CROSSING POND	WARREN	8.610	ACRES								ORW
2020/2022	NHIMP700010302-03	ORE HILL MINE POND	WARREN	1.220	ACRES	Aquatic Life Integrity	Aluminum	5-M					ORW
2020/2022	NHIMP700010302-03	ORE HILL MINE POND	WARREN	1.220	ACRES	Aquatic Life Integrity	Lead	5-P					ORW
2020/2022	NHIMP700010302-03	ORE HILL MINE POND	WARREN	1.220	ACRES	Aquatic Life Integrity	pH	5-P					ORW
2020/2022	NHIMP700010302-03	ORE HILL MINE POND	WARREN	1.220	ACRES	Aquatic Life Integrity	Zinc	5-P					ORW
2020/2022	NHIMP700010401-01-01	SNOWS BROOK	WATERVILLE VALLEY	4.361	ACRES								ORW
2020/2022	NHIMP700010401-01-02	SNOWS BROOK - CORCORAN POND TOWN BEACH	WATERVILLE VALLEY	1.380	ACRES	Primary Contact Recreation	Escherichia coli	4A-M	9/21/2010	NEW HAMPSHIRE STATEWIDE BACTERIA	39276		ORW
2020/2022	NHIMP700010401-03	UNNAMED BROOK - LOCKE 1 DAM	CAMPTON	1.363	ACRES								ORW
2020/2022	NHIMP700010401-04	CHICKENBORO BROOK RESERVOIR	CAMPTON	3.877	ACRES								ORW
2020/2022	NHIMP700010801-08	PEMIGEWASSET RIVER - AYERS ISLAND DAM POND	NEW HAMPTON, BRISTOL	500.000	ACRES	Aquatic Life Integrity	Non-Native Aquatic Plants	4C-P					Non-ORW
2020/2022	NHIMP700010801-08	PEMIGEWASSET RIVER - AYERS ISLAND DAM POND	NEW HAMPTON, BRISTOL	500.000	ACRES	Aquatic Life Integrity	pH	5-M					Non-ORW
2020/2022	NHIMP700010803-02	FRANKLIN FALLS FLOOD CTRL - PEMIGEWASSET RIVER	FRANKLIN, HILL, SANBORNTON	440.000	ACRES	Aquatic Life Integrity	Non-Native Aquatic Plants	4C-M					Non-ORW
2020/2022	NHIMP700010804-03	SUCKER BROOK-SUCKER BROOK I DAM	ANDOVER	0.150	ACRES	Aquatic Life Integrity	Oxygen, Dissolved	5-M					Non-ORW
2020/2022	NHIMP700010804-03	SUCKER BROOK-SUCKER BROOK I DAM	ANDOVER	0.150	ACRES	Aquatic Life Integrity	pH	5-M					Non-ORW
2020/2022	NHIMP700010804-08	CHANCE POND BROOK - WEBSTER LAKE DAM IMPOUNDMENT DS OF RT 11	FRANKLIN	12.300	ACRES	Aquatic Life Integrity	Non-Native Aquatic Plants	4C-M					Non-ORW
2020/2022	NHIMP700020102-01-01	JONES DAM POND	NEW DURHAM	56.558	ACRES	Aquatic Life Integrity	Non-Native Aquatic Plants	4C-M					Non-ORW
2020/2022	NHIMP700020102-01-01	JONES DAM POND	NEW DURHAM	56.558	ACRES	Primary Contact Recreation	Cyanobacteria hepatotoxic microcystins	5-M					Non-ORW
2020/2022	NHIMP700020102-01-02	MARSH POND	NEW DURHAM, ALTON	58.208	ACRES	Primary Contact Recreation	Cyanobacteria hepatotoxic microcystins	5-M					Non-ORW
2020/2022	NHIMP700020102-02	MERRYMEETING RIVER - ALTON POWER DAM POND	ALTON, NEW DURHAM	719.000	ACRES	Aquatic Life Integrity	pH	5-M					Non-ORW
2020/2022	NHIMP700020203-01	KNOWLES POND - TR WILLIAMS BROOK	NORTHFIELD	54.931	ACRES	Aquatic Life Integrity	Dissolved oxygen saturation	5-M					Non-ORW
2020/2022	NHIMP700020203-01	KNOWLES POND - TR WILLIAMS BROOK	NORTHFIELD	54.931	ACRES	Aquatic Life Integrity	Oxygen, Dissolved	5-P					Non-ORW
2020/2022	NHIMP700020203-01	KNOWLES POND - TR WILLIAMS BROOK	NORTHFIELD	54.931	ACRES	Aquatic Life Integrity	pH	4A-M	9/24/2004	KNOWLES POND	11506		Non-ORW
2020/2022	NHIMP700020203-07	WINNIPESAUKEE RIVER - FRANKLIN FALLS HYDRO DAM 2	FRANKLIN	1.500	ACRES	Primary Contact Recreation	Escherichia coli	4B-M					Non-ORW
2020/2022	NHIMP700030101-02	CONTOOCOOK RIVER DAM	JAFFREY	5.000	ACRES	Aquatic Life Integrity	Dissolved oxygen saturation	5-P					Non-ORW
2020/2022	NHIMP700030101-02	CONTOOCOOK RIVER DAM	JAFFREY	5.000	ACRES	Aquatic Life Integrity	Non-Native Aquatic Plants	4C-P					Non-ORW
2020/2022	NHIMP700030101-02	CONTOOCOOK RIVER DAM	JAFFREY	5.000	ACRES	Aquatic Life Integrity	Oxygen, Dissolved	5-P					Non-ORW

2020/2022	NHIMP700030101-03	CONTOOCOOK RIVER	JAFFREY	0.500	ACRES	Aquatic Life Integrity	Dissolved oxygen saturation	5-M				Non-ORW
2020/2022	NHIMP700030101-03	CONTOOCOOK RIVER	JAFFREY	0.500	ACRES	Aquatic Life Integrity	Oxygen, Dissolved	5-M				Non-ORW
2020/2022	NHIMP700030101-03	CONTOOCOOK RIVER	JAFFREY	0.500	ACRES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHIMP700030104-04	CONTOOCOOK RIVER - NOONE MILL POND	PETERBOROUGH	17.561	ACRES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHIMP700030104-08	CONTOOCOOK RIVER - TRANSCRIPT PRINTING CO DAM	PETERBOROUGH	2.500	ACRES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHIMP700030108-02	CONTOOCOOK RIVER - PIERCE POWER DAM	BENNINGTON	3.500	ACRES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHIMP700030202-03	NORTH BRANCH - WILLIAMS DAM	STODDARD	55.437	ACRES	Aquatic Life Integrity	pH	5-P				Non-ORW
2020/2022	NHIMP700030204-05-01	BEARDS BROOK - EAST WASHINGTON DAM	WASHINGTON	3.502	ACRES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHIMP700030204-05-01	BEARDS BROOK - EAST WASHINGTON DAM	WASHINGTON	3.502	ACRES	Primary Contact Recreation	Chlorophyll-a	5-M				Non-ORW
2020/2022	NHIMP700030204-05-02	BEARDS BROOK - MILL POND TOWN BEACH	WASHINGTON	1.380	ACRES	Primary Contact Recreation	Escherichia coli	4A-P	12/13/2006	MILL POND TOWN BEACH	31735	Non-ORW
2020/2022	NHIMP700030304-04-02	SILVER BROOK - SILVER LAKE RESERVOIR BEACH	WARNER	1.380	ACRES	Primary Contact Recreation	Escherichia coli	4A-P	8/29/2011	58 NH BACTERIA IMPAIRED WATERS	40666	Non-ORW
2020/2022	NHIMP700030503-01-01	HOPKINTON DIKE ELM BROOK	HOPKINTON	213.800	ACRES	Aquatic Life Integrity	Non-Native Aquatic Plants	4C-P				Non-ORW
2020/2022	NHIMP700030503-01-01	HOPKINTON DIKE ELM BROOK	HOPKINTON	213.800	ACRES	Primary Contact Recreation	Cyanobacteria hepatotoxic microcystins	5-M				Non-ORW
2020/2022	NHIMP700030503-01-02	STATE PARK BEACH ON ELM BROOK	HOPKINTON	1.380	ACRES	Primary Contact Recreation	Cyanobacteria hepatotoxic microcystins	5-M				Non-ORW
2020/2022	NHIMP700030503-01-02	STATE PARK BEACH ON ELM BROOK	HOPKINTON	1.380	ACRES	Primary Contact Recreation	Escherichia coli	4A-P	9/21/2010	NEW HAMPSHIRE STATEWIDE BACTERIA	39275	Non-ORW
2020/2022	NHIMP700030506-01	DEAR MEADOW BROOK - PILLSBURY LAKE	WEBSTER	67.169	ACRES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHIMP700030507-01-01	KIMBALL LAKE	HOPKINTON	27.252	ACRES	Aquatic Life Integrity	Non-Native Aquatic Plants	4C-M				Non-ORW
2020/2022	NHIMP700030507-02-02	KIMBALL POND - HOPKINTON TOWN BEACH	HOPKINTON	1.380	ACRES	Primary Contact Recreation	Escherichia coli	2-G	9/30/2013	44 Bacteria Impaired Waters	55222	Non-ORW
2020/2022	NHIMP700030507-06	CONTOOCOOK RIVER - PENACOOK UPPER FALLS DAM	CONCORD	11.000	ACRES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHIMP700030507-07	CONTOOCOOK RIVER - PENACOOK LOWER FALLS	BOSCAWEN, CONCORD	8.500	ACRES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHIMP700040402-02	NASHUA RIVER - MINE FALLS DAM POND	NASHUA	60.000	ACRES	Aquatic Life Integrity	Dissolved oxygen saturation	5-P				Non-ORW
2020/2022	NHIMP700040402-02	NASHUA RIVER - MINE FALLS DAM POND	NASHUA	60.000	ACRES	Aquatic Life Integrity	Non-Native Aquatic Plants	4C-M				Non-ORW
2020/2022	NHIMP700040402-02	NASHUA RIVER - MINE FALLS DAM POND	NASHUA	60.000	ACRES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHIMP700040402-02	NASHUA RIVER - MINE FALLS DAM POND	NASHUA	60.000	ACRES	Primary Contact Recreation	Cyanobacteria hepatotoxic microcystins	5-M				Non-ORW
2020/2022	NHIMP700040402-03	NASHUA RIVER - NASHUA CANAL DIKE	NASHUA	42.000	ACRES	Aquatic Life Integrity	Chloride	5-M				Non-ORW
2020/2022	NHIMP700040402-03	NASHUA RIVER - NASHUA CANAL DIKE	NASHUA	42.000	ACRES	Aquatic Life Integrity	Non-Native Aquatic Plants	4C-M				Non-ORW
2020/2022	NHIMP700040402-03	NASHUA RIVER - NASHUA CANAL DIKE	NASHUA	42.000	ACRES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHIMP700040402-03	NASHUA RIVER - NASHUA CANAL DIKE	NASHUA	42.000	ACRES	Primary Contact Recreation	Chlorophyll-a	5-P				Non-ORW
2020/2022	NHIMP700040402-03	NASHUA RIVER - NASHUA CANAL DIKE	NASHUA	42.000	ACRES	Primary Contact Recreation	Escherichia coli	2-G	8/29/2011	58 NH BACTERIA IMPAIRED WATERS	40662	Non-ORW
2020/2022	NHIMP700040402-04	NASHUA RIVER - NASHUA CANAL	NASHUA	42.000	ACRES	Aquatic Life Integrity	Non-Native Aquatic Plants	4C-P				Non-ORW
2020/2022	NHIMP700040402-05	NASHUA RIVER - JACKSON PLANT DAM POND	NASHUA	40.000	ACRES	Aquatic Life Integrity	Non-Native Aquatic Plants	4C-P				Non-ORW
2020/2022	NHIMP700040402-05	NASHUA RIVER - JACKSON PLANT DAM POND	NASHUA	40.000	ACRES	Primary Contact Recreation	Escherichia coli	4A-M	9/21/2010	NEW HAMPSHIRE STATEWIDE BACTERIA	39274	Non-ORW
2020/2022	NHIMP700060201-04	GUES MEADOW BROOK	LOUDON	3.500	ACRES	Aquatic Life Integrity	Benthic-Macroinvertebrate Bioassessments (Streams)	5-P				Non-ORW
2020/2022	NHIMP700060301-01	BOW FIRE POND DAM	BOW	3.000	ACRES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHIMP700060301-03	TURKEY RIVER - LOWER SCHOOL POND	CONCORD	27.385	ACRES	Aquatic Life Integrity	Non-Native Aquatic Plants	4C-M				Non-ORW
2020/2022	NHIMP700060302-02	HAYWARD BROOK - MORRILL POND	CANTERBURY	27.691	ACRES	Aquatic Life Integrity	pH	4A-M	9/20/2007	158 ACID PONDS	33878	Non-ORW
2020/2022	NHIMP700060302-07	MERRIMACK RIVER - GARVINS FALLS DAM	CONCORD, BOW	250.000	ACRES	Aquatic Life Integrity	Non-Native Aquatic Plants	4C-M				Non-ORW
2020/2022	NHIMP700060302-07	MERRIMACK RIVER - GARVINS FALLS DAM	CONCORD, BOW	250.000	ACRES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHIMP700060302-07	MERRIMACK RIVER - GARVINS FALLS DAM	CONCORD, BOW	250.000	ACRES	Primary Contact Recreation	Escherichia coli	2-G	9/21/2010	NEW HAMPSHIRE STATEWIDE BACTERIA	39272	Non-ORW
2020/2022	NHIMP700060402-02	WEBSTER STREAM - LOCKE LAKE	BARNSTEAD	148.372	ACRES	Aquatic Life Integrity	Chlorophyll-a	4A-M	9/30/2020	Locke Lake	R1_NH_2020_1	Non-ORW
2020/2022	NHIMP700060402-02	WEBSTER STREAM - LOCKE LAKE	BARNSTEAD	148.372	ACRES	Aquatic Life Integrity	Non-Native Aquatic Plants	4C-M				Non-ORW
2020/2022	NHIMP700060402-02	WEBSTER STREAM - LOCKE LAKE	BARNSTEAD	148.372	ACRES	Aquatic Life Integrity	pH	4A-M	9/30/2020	Locke Lake	R1_NH_2020_1	Non-ORW
2020/2022	NHIMP700060402-02	WEBSTER STREAM - LOCKE LAKE	BARNSTEAD	148.372	ACRES	Aquatic Life Integrity	Phosphorus (Total)	4A-M	9/30/2020	Locke Lake	R1_NH_2020_1	Non-ORW
2020/2022	NHIMP700060402-02	WEBSTER STREAM - LOCKE LAKE	BARNSTEAD	148.372	ACRES	Primary Contact Recreation	Cyanobacteria hepatotoxic microcystins	4A-M	9/30/2020	Locke Lake	R1_NH_2020_1	Non-ORW
2020/2022	NHIMP700060402-02-01	LOCKE LAKE - GEORGETOWN BEACH #6	BARNSTEAD	0.315	ACRES	Aquatic Life Integrity	Chlorophyll-a	3-ND	9/30/2020	Locke Lake	R1_NH_2020_1	Non-ORW
2020/2022	NHIMP700060402-02-01	LOCKE LAKE - GEORGETOWN BEACH #6	BARNSTEAD	0.315	ACRES	Aquatic Life Integrity	pH	3-ND	9/30/2020	Locke Lake	R1_NH_2020_1	Non-ORW
2020/2022	NHIMP700060402-02-02	LOCKE LAKE - NORTH BARNSTEAD ROAD BEACH	BARNSTEAD	0.242	ACRES	Aquatic Life Integrity	Chlorophyll-a	3-ND	9/30/2020	Locke Lake	R1_NH_2020_1	Non-ORW
2020/2022	NHIMP700060402-02-02	LOCKE LAKE - NORTH BARNSTEAD ROAD BEACH	BARNSTEAD	0.242	ACRES	Aquatic Life Integrity	pH	3-ND	9/30/2020	Locke Lake	R1_NH_2020_1	Non-ORW
2020/2022	NHIMP700060402-02-03	LOCKE LAKE -N SHORE RD BEACH	BARNSTEAD	0.267	ACRES	Aquatic Life Integrity	Chlorophyll-a	3-ND	9/30/2020	Locke Lake	R1_NH_2020_1	Non-ORW
2020/2022	NHIMP700060402-02-03	LOCKE LAKE -N SHORE RD BEACH	BARNSTEAD	0.267	ACRES	Aquatic Life Integrity	pH	3-ND	9/30/2020	Locke Lake	R1_NH_2020_1	Non-ORW
2020/2022	NHIMP700060402-02-04	LOCKE LAKE - POINT BEACH	BARNSTEAD	0.388	ACRES	Aquatic Life Integrity	Chlorophyll-a	3-ND	9/30/2020	Locke Lake	R1_NH_2020_1	Non-ORW
2020/2022	NHIMP700060402-02-04	LOCKE LAKE - POINT BEACH	BARNSTEAD	0.388	ACRES	Aquatic Life Integrity	pH	3-PAS	9/30/2020	Locke Lake	R1_NH_2020_1	Non-ORW
2020/2022	NHIMP700060402-02-05	LOCKE LAKE - COLONY BEACH	BARNSTEAD	0.655	ACRES	Aquatic Life Integrity	Chlorophyll-a	3-ND	9/30/2020	Locke Lake	R1_NH_2020_1	Non-ORW
2020/2022	NHIMP700060402-02-05	LOCKE LAKE - COLONY BEACH	BARNSTEAD	0.655	ACRES	Aquatic Life Integrity	pH	3-PAS	9/30/2020	Locke Lake	R1_NH_2020_1	Non-ORW
2020/2022	NHIMP700060402-02-05	LOCKE LAKE - COLONY BEACH	BARNSTEAD	0.655	ACRES	Primary Contact Recreation	Escherichia coli	4A-P	9/30/2015	Jewett Brook, Locke Lake, Great Pond	64646	Non-ORW
2020/2022	NHIMP700060402-02-06	LOCKE LAKE - VARNEY BEACH	BARNSTEAD	0.727	ACRES	Aquatic Life Integrity	Chlorophyll-a	3-ND	9/30/2020	Locke Lake	R1_NH_2020_1	Non-ORW
2020/2022	NHIMP700060402-02-06	LOCKE LAKE - VARNEY BEACH	BARNSTEAD	0.727	ACRES	Aquatic Life Integrity	pH	3-PAS	9/30/2020	Locke Lake	R1_NH_2020_1	Non-ORW
2020/2022	NHIMP700060402-02-07	LOCKE LAKE - WINCHESTER DRIVE BEACH	BARNSTEAD	0.242	ACRES	Aquatic Life Integrity	Chlorophyll-a	3-ND	9/30/2020	Locke Lake	R1_NH_2020_1	Non-ORW
2020/2022	NHIMP700060402-02-07	LOCKE LAKE - WINCHESTER DRIVE BEACH	BARNSTEAD	0.242	ACRES	Aquatic Life Integrity	pH	3-ND	9/30/2020	Locke Lake	R1_NH_2020_1	Non-ORW
2020/2022	NHIMP700060501-01	SUNCOOK RIVER - BARNSTEAD PARADE DAM POND	BARNSTEAD	109.000	ACRES	Aquatic Life Integrity	Non-Native Aquatic Plants	4C-P				Non-ORW
2020/2022	NHIMP700060501-01	SUNCOOK RIVER - BARNSTEAD PARADE DAM POND	BARNSTEAD	109.000	ACRES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHIMP700060501-03-02	CLARKS POND - TOWN BEACH	PITTSFIELD	1.380	ACRES	Primary Contact Recreation	Escherichia coli	4A-P	9/21/2010	NEW HAMPSHIRE STATEWIDE BACTERIA	39276	Non-ORW
2020/2022	NHIMP700060502-01	DURGIN POND OUTLET DAM - NARROWS BROOK	NORTHWOOD	27.192	ACRES	Aquatic Life Integrity	pH	4A-M	9/20/2007	158 ACID PONDS	33878	Non-ORW
2020/2022	NHIMP700060502-03	LITTLE SUNCOOK RIVER - BIXBY POND	EPSOM	15.000	ACRES	Aquatic Life Integrity	Non-Native Aquatic Plants	4C-M				Non-ORW
2020/2022	NHIMP700060503-02	SUNCOOK RIVER - HUCKINS MILL DAM	EPSOM	5.000	ACRES	Aquatic Life Integrity	Other flow regime alterations	4C-P				Non-ORW
2020/2022	NHIMP700060601-01	PISCATAQUOG RIVER	DEERING	26.154	ACRES							ORW
2020/2022	NHIMP700060601-02	PISCATAQUOG RIVER	WEARE	40.000	ACRES							Review OneStop GIS
2020/2022	NHIMP700060602-02	PISCATAQUOG RIVER	WEARE	1.000	ACRES	Aquatic Life Integrity	pH	5-P				Non-ORW
2020/2022	NHIMP700060604-01	CROTCHED MTN IRRIGATION POND DAM	FRANCESTOWN	0.600	ACRES							ORW
2020/2022	NHIMP700060604-04	SOUTH BRANCH PISCATAQUOG RIVER	FRANCESTOWN	4.000	ACRES							ORW
2020/2022	NHIMP700060604-05	BIXBY BROOK	FRANCESTOWN	1.000	ACRES							ORW
2020/2022	NHIMP700060604-06	BRENNAN BROOK	FRANCESTOWN	5.000	ACRES							ORW
2020/2022	NHIMP700060604-07	CROCHET MOUNTAIN BROOK	FRANCESTOWN	2.000	ACRES							ORW
2020/2022	NHIMP700060604-08	UNNAMED BROOK - FIRE POND	FRANCESTOWN	0.554	ACRES							ORW
2020/2022	NHIMP700060605-01	PEACOCK BROOK	WEARE	0.500	ACRES							ORW
2020/2022	NHIMP700060605-02	PEACOCK BROOK - PERKINS POND MARSH	WEARE	55.307	ACRES							ORW
2020/2022	NHIMP700060605-03	CURRIER BROOK	WEARE	1.500	ACRES							ORW
2020/2022	NHIMP700060605-04	MIDDLE BRANCH PISCATAQUOG RIVER	NEW BOSTON	0.080	ACRES							ORW
2020/2022	NHIMP700060605-05	MIDDLE BRANCH PISCATAQUOG RIVER - PURGATORY BROOK	NEW BOSTON	21.900	ACRES							ORW
2020/2022	NHIMP700060605-06	UNNAMED BROOK - SILVA RECREATION POND	WEARE	0.782	ACRES							ORW
2020/2022	NHIMP700060605-07	RECREATION POND	WEARE	0.250	ACRES							ORW
2020/2022	NHIMP700060606-01	SOUTH BRANCH PISCATAQUOG RIVER IV	NEW BOSTON	3.000	ACRES							ORW
2020/2022	NHIMP700060606-02	FARM POND DAM	NEW BOSTON	0.250	ACRES							ORW
2020/2022	NHIMP700060802-04	MERRIMACK RIVER - AMOSKEAG DAM	MANCHESTER	478.000	ACRES	Primary Contact Recreation	Escherichia coli	4A-M	9/21/2010	NEW HAMPSHIRE STATEWIDE BACTERIA	39274	Non-ORW
2020/2022	NHIMP700060902-01	SOUHEGAN RIVER	GREENVILLE	1.500	ACRES	Primary Contact Recreation	Escherichia coli	4A-M	9/21/2010	NEW HAMPSHIRE STATEWIDE BACTERIA	39272	Non-ORW
2020/2022	NHIMP700060904-08	SOUHEGAN RIVER - PINE VALLEY MILL	WILTON	5.000	ACRES	Primary Contact Recreation	Escherichia coli	4A-P	9/21/2010	NEW HAMPSHIRE STATEWIDE BACTERIA	39272	Non-ORW

2020/2022	NHIMP700060906-07	SOUHEGAN RIVER - GOLDMAN DAM	MILFORD	8.000	ACRES	Aquatic Life Integrity	Dissolved oxygen saturation	5-M					Non-ORW
2020/2022	NHIMP700060906-07	SOUHEGAN RIVER - GOLDMAN DAM	MILFORD	8.000	ACRES	Aquatic Life Integrity	Oxygen, Dissolved	5-M					Non-ORW
2020/2022	NHIMP700060906-07	SOUHEGAN RIVER - GOLDMAN DAM	MILFORD	8.000	ACRES	Fish Consumption	PCBS - FISH CONSUMPTION ADVISORY	5-M					Non-ORW
2020/2022	NHIMP700060906-08	SOUHEGAN RIVER - MCLANE DAM	MILFORD	3.600	ACRES	Primary Contact Recreation	Escherichia coli	4A-P	9/21/2010	NEW HAMPSHIRE STATEWIDE BACTERIA	39272		Non-ORW
2020/2022	NHIMP700061203-01	HARANTIS LAKE - HARANTIS LAKE DAM	CHESTER	19.342	ACRES	Aquatic Life Integrity	pH	5-M					Non-ORW
2020/2022	NHIMP700061203-01	HARANTIS LAKE - HARANTIS LAKE DAM	CHESTER	19.342	ACRES	Primary Contact Recreation	Chlorophyll-a	5-M					Non-ORW
2020/2022	NHIMP700061403-04	POWWOW RIVER - POWWOW POND	KINGSTON, EAST KINGSTON, NEWTON	318.840	ACRES	Aquatic Life Integrity	Chlorophyll-a	5-M					Non-ORW
2020/2022	NHIMP700061403-04	POWWOW RIVER - POWWOW POND	KINGSTON, EAST KINGSTON, NEWTON	318.840	ACRES	Aquatic Life Integrity	Dissolved oxygen saturation	5-P					Non-ORW
2020/2022	NHIMP700061403-04	POWWOW RIVER - POWWOW POND	KINGSTON, EAST KINGSTON, NEWTON	318.840	ACRES	Aquatic Life Integrity	Non-Native Aquatic Plants	4C-M					Non-ORW
2020/2022	NHIMP700061403-04	POWWOW RIVER - POWWOW POND	KINGSTON, EAST KINGSTON, NEWTON	318.840	ACRES	Aquatic Life Integrity	pH	4A-M	9/20/2007	158 ACID PONDS	33878		Non-ORW
2020/2022	NHIMP700061403-04	POWWOW RIVER - POWWOW POND	KINGSTON, EAST KINGSTON, NEWTON	318.840	ACRES	Aquatic Life Integrity	Phosphorus (Total)	5-M					Non-ORW
2020/2022	NHIMP700061403-04-02	POWWOW RIVER - TRICKLIN' FALLS BEACH	EAST KINGSTON	1.380	ACRES	Aquatic Life Integrity	pH	3-ND	1/26/2011	TRICKLIN FALLS BEACH ON POW-WOW POND	39711		Non-ORW
2020/2022	NHIMP801010101-01	SCOTT BROOK - SCOTT BOG POND DAM	PITTSBURG	88.078	ACRES								ORW
2020/2022	NHIMP801010101-02	EAST INLET FLOWAGE - EAST INLET DAM	PITTSBURG	91.599	ACRES								ORW
2020/2022	NHIMP801010102-01	COON BROOK- COON BROOK BOG DAM	PITTSBURG	19.434	ACRES								ORW
2020/2022	NHIMP801010102-02	UNNAMED BROOK - BROOK FROM MUD POND	PITTSBURG	0.426	ACRES								ORW
2020/2022	NHIMP801010201-01	INDIAN STREAM - PEARLY TERRILL DAM	PITTSBURG	17.958	ACRES								ORW
2020/2022	NHIMP801010305-01	CONNECTICUT RIVER - CANAAN HYDRO	STEWARTSTOWN	20.000	ACRES	Primary Contact Recreation	Escherichia coli	4A-P	9/21/2010	NEW HAMPSHIRE STATEWIDE BACTERIA	39273		Review OneStop GIS
2020/2022	NHIMP801010401-01	MOHAWK RIVER - LAKE GLORIETTE	DIXVILLE	25.664	ACRES								ORW
2020/2022	NHIMP801010401-02	UNNAMED BROOK - LAKE TWOTOWNS DAM	COLEBROOK, DIXVILLE	2.096	ACRES								ORW
2020/2022	NHIMP801010402-01	UNNAMED BROOK - RECREATION POND	COLEBROOK	2.447	ACRES								ORW
2020/2022	NHIMP801010402-02	LOMBARD POND	COLEBROOK	4.362	ACRES								ORW
2020/2022	NHIMP801010402-03	UNNAMED BROOK - FARM POND	COLEBROOK	0.632	ACRES								ORW
2020/2022	NHIMP801010603-01	KIMBALL BROOK	STRATFORD	0.500	ACRES								ORW
2020/2022	NHIMP801010701-01	WEST BRANCH UPPER AMMONOOSUC RIVER - WEST BRANCH DAM	BERLIN	0.500	ACRES								ORW
2020/2022	NHIMP801010701-02	NUMBER NINE BROOK - DIVERSION POND DAM	BERLIN	3.000	ACRES								ORW
2020/2022	NHIMP801010701-03	COLD BROOK DAM	BERLIN	0.250	ACRES								ORW
2020/2022	NHIMP801010701-05	UPPER AMMONOOSUC RIVER - GODFREY DAM	BERLIN	9.818	ACRES								ORW
2020/2022	NHIMP801010804-01	GARLAND RIVER - GARLAND BROOK DAM	LANCASTER	0.200	ACRES								ORW
2020/2022	NHIMP801010804-02	GARLAND BROOK - GARLAND BROOK DAM	LANCASTER	0.100	ACRES								ORW
2020/2022	NHIMP801030201-01	CONNECTICUT RIVER - GILMAN DAM POND	DALTON, LANCASTER	3800.000	ACRES	Aquatic Life Integrity	pH	5-M					Non-ORW
2020/2022	NHIMP801030301-01	NORTH BRANCH GALE RIVER - LITTLETON RESERVOIR	BETHLEHEM	0.500	ACRES								ORW
2020/2022	NHIMP801030301-02	SOUTH BRANCH GALE RIVER	FRANCONIA	0.128	ACRES								ORW
2020/2022	NHIMP801030401-01	CRAWFORD BROOK - RECREATION LAKE	CARROLL	7.000	ACRES								ORW
2020/2022	NHIMP801030401-02	AMMONOOSUC LAKE	CARROLL	3.524	ACRES								ORW
2020/2022	NHIMP801030402-01	ZEALAND RIVER	BETHLEHEM	0.100	ACRES								ORW
2020/2022	NHIMP801030402-04	LITTLE RIVER	BETHLEHEM	0.250	ACRES								ORW
2020/2022	NHIMP801030505-01	WILD AMMONOOSUC RIVER	LANDAFF	0.250	ACRES								ORW
2020/2022	NHIMP801030506-02	AMMONOOSUC RIVER DAM POND	BATH	24.000	ACRES	Primary Contact Recreation	Escherichia coli	5-M					Non-ORW
2020/2022	NHIMP801030506-03	AMMONOOSUC RIVER - WOODSVILLE DAM	BATH, HAVERHILL	27.000	ACRES	Aquatic Life Integrity	Oxygen, Dissolved	5-P					Non-ORW
2020/2022	NHIMP801030701-01	SLIDE BROOK DAM	BENTON	0.293	ACRES								ORW
2020/2022	NHIMP801060105-05	UNNAMED BROOK - FARM POND	HANOVER	2.207	ACRES								ORW
2020/2022	NHIMP801060106-02	MASCOMA RIVER - RIVERMILL	LEBANON	20.000	ACRES	Primary Contact Recreation	Escherichia coli	4B-M					Non-ORW
2020/2022	NHIMP801060106-04	MASCOMA RIVER	LEBANON	2.000	ACRES	Primary Contact Recreation	Escherichia coli	4B-M					Non-ORW
2020/2022	NHIMP801060106-05	MASCOMA RIVER - GLEN ROAD DAM	LEBANON	7.000	ACRES	Primary Contact Recreation	Escherichia coli	4B-M					Non-ORW
2020/2022	NHIMP801060405-05	SUGAR RIVER	SUNAPEE	0.513	ACRES	Aquatic Life Integrity	pH	5-P					Non-ORW
2020/2022	NHIMP801060405-11	SUGAR RIVER - SUGAR RIVER Â MILL	NEWPORT	5.904	ACRES	Aquatic Life Integrity	Oxygen, Dissolved	5-T					Non-ORW
2020/2022	NHIMP801060406-08	SUGAR RIVER	CLAREMONT	2.000	ACRES	Aquatic Life Integrity	Oxygen, Dissolved	5-T					Non-ORW
2020/2022	NHIMP801060406-08	SUGAR RIVER	CLAREMONT	2.000	ACRES	Aquatic Life Integrity	pH	5-P					Non-ORW
2020/2022	NHIMP801060406-08	SUGAR RIVER	CLAREMONT	2.000	ACRES	Primary Contact Recreation	Escherichia coli	4A-M	9/21/2010	NEW HAMPSHIRE STATEWIDE BACTERIA	39272		Non-ORW
2020/2022	NHIMP801060703-05	CONNECTICUT RIVER - BELLOWS FALLS	CHARLESTOWN, WALPOLE	1720.000	ACRES	Aquatic Life Integrity	pH	5-M					Non-ORW
2020/2022	NHIMP801070202-01-02	COLD RIVER - VILAS POOL BEACH	ALSTEAD	1.380	ACRES	Primary Contact Recreation	Escherichia coli	4A-P	9/21/2010	NEW HAMPSHIRE STATEWIDE BACTERIA	39276		Non-ORW
2020/2022	NHIMP801070203-02	WARREN BROOK	ALSTEAD	0.300	ACRES	Aquatic Life Integrity	pH	5-M					Non-ORW
2020/2022	NHIMP802010101-01	SAUNDERS DAM	WASHINGTON	1.326	ACRES								ORW
2020/2022	NHIMP802010101-02	RICHARDSON BROOK - RICHARDSON BROOK POND	LEMPSTER	9.785	ACRES								ORW
2020/2022	NHIMP802010301-02	ASHUELOT RIVER DAM POND	KEENE	34.000	ACRES	Aquatic Life Integrity	Dissolved oxygen saturation	5-P					Non-ORW
2020/2022	NHIMP802010301-02	ASHUELOT RIVER DAM POND	KEENE	34.000	ACRES	Aquatic Life Integrity	Oxygen, Dissolved	5-M					Non-ORW
2020/2022	NHIMP802010301-02	ASHUELOT RIVER DAM POND	KEENE	34.000	ACRES	Aquatic Life Integrity	pH	5-M					Non-ORW
2020/2022	NHIMP802010303-04-02	VILLAGE POND DAM - SAND DAM VILLAGE POND TOWN BEACH	TROY	1.380	ACRES	Primary Contact Recreation	Escherichia coli	4A-P	11/8/2006	SAND DAM VILLAGE POND TOWN BEACH	33312		Non-ORW
2020/2022	NHIMP802010403-04	ASHUELOT RIVER - FISK MILL HYDRO	HINSDALE	10.000	ACRES	Aquatic Life Integrity	Benzo(a)pyrene (PAHs)	5-M					Non-ORW
2020/2022	NHIMP802010403-04	ASHUELOT RIVER - FISK MILL HYDRO	HINSDALE	10.000	ACRES	Aquatic Life Integrity	Benzo[a]anthracene	5-M					Non-ORW
2020/2022	NHIMP802010403-04	ASHUELOT RIVER - FISK MILL HYDRO	HINSDALE	10.000	ACRES	Aquatic Life Integrity	Benzo[b]fluoranthene	5-M					Non-ORW
2020/2022	NHIMP802010403-04	ASHUELOT RIVER - FISK MILL HYDRO	HINSDALE	10.000	ACRES	Aquatic Life Integrity	Benzo[k]fluoranthene	5-M					Non-ORW
2020/2022	NHIMP802010403-04	ASHUELOT RIVER - FISK MILL HYDRO	HINSDALE	10.000	ACRES	Aquatic Life Integrity	Chrysene (C1-C4)	5-M					Non-ORW
2020/2022	NHIMP802010403-04	ASHUELOT RIVER - FISK MILL HYDRO	HINSDALE	10.000	ACRES	Aquatic Life Integrity	Indeno[1,2,3-cd]pyrene	5-M					Non-ORW
2020/2022	NHIMP802010403-04	ASHUELOT RIVER - FISK MILL HYDRO	HINSDALE	10.000	ACRES	Aquatic Life Integrity	Pyrene	5-M					Non-ORW
2020/2022	NHLAK400010403-02	LITTLE DIAMOND POND	STEWARTSTOWN	60.250	ACRES	Aquatic Life Integrity	Chlorophyll-a	5-M					Non-ORW
2020/2022	NHLAK400010403-02	LITTLE DIAMOND POND	STEWARTSTOWN	60.250	ACRES	Aquatic Life Integrity	pH	5-M					Non-ORW
2020/2022	NHLAK400010403-02	LITTLE DIAMOND POND	STEWARTSTOWN	60.250	ACRES	Aquatic Life Integrity	Phosphorus (Total)	5-M					Non-ORW
2020/2022	NHLAK400010404-01	FOUR MILE POND	DIXS GRANT	4.267	ACRES	Aquatic Life Integrity	Aluminum	5-M					Non-ORW
2020/2022	NHLAK400010404-01	FOUR MILE POND	DIXS GRANT	4.267	ACRES	Aquatic Life Integrity	pH	5-P					Non-ORW
2020/2022	NHLAK400010502-01	AKERS POND	ERROL	275.673	ACRES	Aquatic Life Integrity	pH	5-M					Non-ORW
2020/2022	NHLAK400010502-02	CORSER POND	ERROL	4.778	ACRES	Aquatic Life Integrity	Aluminum	4A-M	9/24/2004	CORSER POND	11474		Non-ORW
2020/2022	NHLAK400010502-02	CORSER POND	ERROL	4.778	ACRES	Aquatic Life Integrity	pH	4A-P	9/24/2004	CORSER POND	11474		Non-ORW
2020/2022	NHLAK400010502-03	GREENOUGH POND	WENTWORTHS LOCATION	233.539	ACRES	Aquatic Life Integrity	pH	5-M					Non-ORW
2020/2022	NHLAK400010502-04	LITTLE GREENOUGH POND	WENTWORTHS LOCATION	41.457	ACRES	Aquatic Life Integrity	pH	5-M					Non-ORW
2020/2022	NHLAK400010502-05	SWEAT POND	ERROL	9.586	ACRES	Aquatic Life Integrity	Aluminum	4A-M	10/14/2004	SWEAT POND	11457		Non-ORW
2020/2022	NHLAK400010502-05	SWEAT POND	ERROL	9.586	ACRES	Aquatic Life Integrity	pH	4A-M	10/14/2004	SWEAT POND	11457		Non-ORW
2020/2022	NHLAK400010502-06	DUSTAN POND	WENTWORTHS LOCATION	4.712	ACRES	Aquatic Life Integrity	Aluminum	5-M					Non-ORW
2020/2022	NHLAK400010502-06	DUSTAN POND	WENTWORTHS LOCATION	4.712	ACRES	Aquatic Life Integrity	pH	5-P					Non-ORW

2020/2022	NHLAK400010602-01	LONG POND	ERROL	32.787	ACRES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHLAK400010602-02	ROUND POND	ERROL	41.504	ACRES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHLAK400010602-04	LAKE UMBAGOG	ERROL, CAMBRIDGE	4639.131	ACRES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHLAK400010602-11	PONTOOK RESERVOIR	DUMMER	268.666	ACRES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHLAK400010602-14	SIGNAL POND	ERROL	5.121	ACRES	Aquatic Life Integrity	Aluminum	5-M				Non-ORW
2020/2022	NHLAK400010602-14	SIGNAL POND	ERROL	5.121	ACRES	Aquatic Life Integrity	pH	5-P				Non-ORW
2020/2022	NHLAK400010603-01	SUCCESS POND	SUCCESS	281.146	ACRES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHLAK400010606-01	JERICHO LAKE	BERLIN	126.224	ACRES	Primary Contact Recreation	Cyanobacteria hepatotoxic microcystins	5-M				Non-ORW
2020/2022	NHLAK400010606-01-02	JERICHO MOUNTAIN STATE PARK BEACH	BERLIN	1.286	ACRES	Primary Contact Recreation	Cyanobacteria hepatotoxic microcystins	5-M				Non-ORW
2020/2022	NHLAK400020101-01	DURAND POND	RANDOLPH	8.087	ACRES							ORW
2020/2022	NHLAK400020102-01	PEABODY RIVER - LIBBY TOWN POOL	GORHAM	2.353	ACRES	Primary Contact Recreation	Escherichia coli	4A-P	9/21/2010	NEW HAMPSHIRE STATEWIDE BACTERIA	39275	Non-ORW
2020/2022	NHLAK400020103-01	PAGE POND	SUCCESS	8.318	ACRES							ORW
2020/2022	NHLAK400020103-02	DREAM LAKE	SUCCESS	10.421	ACRES							ORW
2020/2022	NHLAK400020201-01	UNNAMED POND	BEANS PURCHASE	0.284	ACRES							ORW
2020/2022	NHLAK600020101-01	NANCY POND	LIVERMORE	4.998	ACRES							ORW
2020/2022	NHLAK600020101-02	SACO LAKE	CARROLL	6.869	ACRES							ORW
2020/2022	NHLAK600020102-01	SAWYER POND	LIVERMORE	39.749	ACRES							ORW
2020/2022	NHLAK600020102-02	LITTLE SAWYER POND	LIVERMORE	6.075	ACRES	Aquatic Life Integrity	Aluminum	4A-M	10/14/2004	SAWYER POND, LITTLE	11449	ORW
2020/2022	NHLAK600020102-02	LITTLE SAWYER POND	LIVERMORE	6.075	ACRES	Aquatic Life Integrity	pH	4A-M	10/14/2004	SAWYER POND, LITTLE	11449	ORW
2020/2022	NHLAK600020102-03	UNNAMED POND	LIVERMORE	3.076	ACRES							ORW
2020/2022	NHLAK600020104-01	UPPER CARTER POND	BEANS PURCHASE	1.116	ACRES	Aquatic Life Integrity	pH	4A-M	9/24/2004	CARTER POND, UPPER	11505	ORW
2020/2022	NHLAK600020105-01	HERMIT LAKE	SARGENTS PURCHASE	0.221	ACRES							ORW
2020/2022	NHLAK600020105-02	LOST POND	PINKHAMS GRANT	2.468	ACRES							ORW
2020/2022	NHLAK600020106-01	MCKIELS POND	BARTLETT	0.098	ACRES							ORW
2020/2022	NHLAK600020201-01	CHURCH POND	LIVERMORE, ALBANY	27.873	ACRES							ORW
2020/2022	NHLAK600020201-02	LILY POND	LIVERMORE	3.645	ACRES							ORW
2020/2022	NHLAK600020201-03	UNNAMED POND	ALBANY, LIVERMORE	6.283	ACRES							ORW
2020/2022	NHLAK600020202-01	FALLS POND	ALBANY	7.793	ACRES	Aquatic Life Integrity	pH	4A-M	9/20/2007	158 ACID PONDS	33878	ORW
2020/2022	NHLAK600020203-01	RED EAGLE POND	ALBANY	6.547	ACRES							ORW
2020/2022	NHLAK600020301-01	MOUNTAIN POND	CHATHAM	83.118	ACRES							ORW
2020/2022	NHLAK600020302-01-01	ECHO LAKE	CONWAY	15.638	ACRES	Aquatic Life Integrity	pH	4A-P	9/20/2007	158 ACID PONDS	33878	Non-ORW
2020/2022	NHLAK600020302-01-02	ECHO LAKE - STATE PARK BEACH	CONWAY	0.945	ACRES	Aquatic Life Integrity	pH	3-ND	11/21/2007	114 ACID PONDS	33879	Non-ORW
2020/2022	NHLAK600020302-01-02	ECHO LAKE - STATE PARK BEACH	CONWAY	0.945	ACRES	Primary Contact Recreation	Escherichia coli	2-M	9/21/2010	NEW HAMPSHIRE STATEWIDE BACTERIA	39275	Non-ORW
2020/2022	NHLAK600020302-02	SHINGLE POND	CHATHAM	3.381	ACRES							ORW
2020/2022	NHLAK600020303-03	IONA LAKE	ALBANY	68.146	ACRES	Aquatic Life Integrity	pH	4A-M	9/20/2007	158 ACID PONDS	33878	Non-ORW
2020/2022	NHLAK600020303-03-02	IONA LAKE - CAMP ALBANY BEACH	ALBANY	1.380	ACRES	Aquatic Life Integrity	pH	3-ND	11/21/2007	114 ACID PONDS	33879	Non-ORW
2020/2022	NHLAK600020303-05	BIG PEA PORRIDGE POND	MADISON, CONWAY	156.828	ACRES	Aquatic Life Integrity	pH	4A-M	9/20/2007	158 ACID PONDS	33878	Non-ORW
2020/2022	NHLAK600020303-06	MIDDLE PEA PORRIDGE POND	MADISON	49.003	ACRES	Aquatic Life Integrity	pH	4A-M	9/20/2007	158 ACID PONDS	33878	Non-ORW
2020/2022	NHLAK600020303-07-01	PEQUAWKET POND	CONWAY, ALBANY	120.128	ACRES	Aquatic Life Integrity	pH	4A-M	9/20/2007	158 ACID PONDS	33878	Non-ORW
2020/2022	NHLAK600020303-07-02	PEQUAKET POND - REC DEPARTMENT BEACH	CONWAY	1.380	ACRES	Aquatic Life Integrity	pH	3-ND	11/21/2007	114 ACID PONDS	33879	Non-ORW
2020/2022	NHLAK600020303-09	WHITTON POND	ALBANY, MADISON	163.830	ACRES	Aquatic Life Integrity	pH	4A-M	9/20/2007	158 ACID PONDS	33878	Non-ORW
2020/2022	NHLAK600020304-01-01	CONWAY LAKE	CONWAY, EATON	1312.843	ACRES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHLAK600020401-01	UPPER KIMBALL LAKE	CHATHAM	168.203	ACRES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHLAK600020401-02	PROVINCE POND	CHATHAM	10.350	ACRES							ORW
2020/2022	NHLAK600020401-04	BASIN POND	CHATHAM	39.442	ACRES							ORW
2020/2022	NHLAK600020601-01-01	BEARCAMP POND	SANDWICH	144.765	ACRES	Aquatic Life Integrity	Dissolved oxygen saturation	5-M				Non-ORW
2020/2022	NHLAK600020601-01-01	BEARCAMP POND	SANDWICH	144.765	ACRES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHLAK600020602-02	FLAT MOUNTAIN POND (1&2)	WATERVILLE VALLEY	27.667	ACRES	Aquatic Life Integrity	Aluminum	4A-M	9/24/2004	FLAT MOUNTAIN POND (1&2)	11481	ORW
2020/2022	NHLAK600020602-02	FLAT MOUNTAIN POND (1&2)	WATERVILLE VALLEY	27.667	ACRES	Aquatic Life Integrity	pH	4A-P	9/24/2004	FLAT MOUNTAIN POND (1&2)	11481	ORW
2020/2022	NHLAK600020604-01-01	LAKE CHOCORUA	TAMWORTH	232.268	ACRES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHLAK600020604-03	MOORES POND	TAMWORTH, MADISON	42.507	ACRES	Aquatic Life Integrity	pH	4A-M	9/20/2007	158 ACID PONDS	33878	Non-ORW
2020/2022	NHLAK600020604-03-02	MOORES POND - MOORES POND SKI AND BEACH	TAMWORTH	1.570	ACRES	Aquatic Life Integrity	pH	3-ND	9/20/2007	158 ACID PONDS	33878	Non-ORW
2020/2022	NHLAK600020604-03-02	MOORES POND - MOORES POND SKI AND BEACH	TAMWORTH	1.570	ACRES	Primary Contact Recreation	Escherichia coli	2-M	9/21/2010	NEW HAMPSHIRE STATEWIDE BACTERIA	39275	Non-ORW
2020/2022	NHLAK600020604-03-03	MOORES POND - ASSOCIATION BEACH	MADISON	0.870	ACRES	Aquatic Life Integrity	pH	3-ND	9/20/2007	158 ACID PONDS	33878	Non-ORW
2020/2022	NHLAK600020605-02-01	WHITE LAKE	TAMWORTH	125.822	ACRES	Aquatic Life Integrity	pH	4A-M	10/14/2004	WHITE LAKE	11460	Non-ORW
2020/2022	NHLAK600020605-02-02	WHITE LAKE - STATE PARK BEACH	TAMWORTH	2.570	ACRES	Aquatic Life Integrity	pH	3-ND	1/26/2011	STATE PARK BEACH ON WHITE LAKE	39712	Non-ORW
2020/2022	NHLAK600020605-02-02	WHITE LAKE - STATE PARK BEACH	TAMWORTH	2.570	ACRES	Primary Contact Recreation	Escherichia coli	2-M	9/21/2010	NEW HAMPSHIRE STATEWIDE BACTERIA	39270	Non-ORW
2020/2022	NHLAK600020701-02	LOWER BEECH POND	TUFTONBORO	159.206	ACRES	Aquatic Life Integrity	pH	4A-M	9/20/2007	158 ACID PONDS	33878	Non-ORW
2020/2022	NHLAK600020701-02-02	LOWER BEECH POND - WILLIAM LAWRENCE CAMP BEACH	TUFTONBORO	1.380	ACRES	Aquatic Life Integrity	pH	3-ND	11/21/2007	114 ACID PONDS	33879	Non-ORW
2020/2022	NHLAK600020701-04	UPPER BEECH POND	WOLFEBORO	143.535	ACRES	Aquatic Life Integrity	pH	4A-M	9/20/2007	158 ACID PONDS	33878	Non-ORW
2020/2022	NHLAK600020702-01	BIG DAN HOLE POND	TUFTONBORO, OSSIPEE	442.181	ACRES	Aquatic Life Integrity	pH	4A-M	9/20/2007	158 ACID PONDS	33878	Non-ORW
2020/2022	NHLAK600020702-01-02	DAN HOLE POND - CAMP MERROVISTA BEACH	TUFTONBORO	1.380	ACRES	Aquatic Life Integrity	pH	3-ND	11/21/2007	114 ACID PONDS	33879	Non-ORW
2020/2022	NHLAK600020702-01-03	DAN HOLE POND - CAMP SENTINEL BAPTIST BEACH	TUFTONBORO	1.380	ACRES	Aquatic Life Integrity	pH	3-ND	11/21/2007	114 ACID PONDS	33879	Non-ORW
2020/2022	NHLAK600020703-01-02	DUNCAN LAKE - TOWN BEACH	OSSIPEE	0.558	ACRES	Primary Contact Recreation	Cyanobacteria hepatotoxic microcystins	5-M				Non-ORW
2020/2022	NHLAK600020703-03	PINE RIVER POND	WAKEFIELD	568.834	ACRES	Aquatic Life Integrity	pH	4A-P	9/20/2007	158 ACID PONDS	33878	Non-ORW
2020/2022	NHLAK600020703-04	WHITE POND	OSSIPEE	46.256	ACRES	Aquatic Life Integrity	pH	4A-M	9/20/2007	158 ACID PONDS	33878	Non-ORW
2020/2022	NHLAK600020703-06	MICHAWANIC POND	WAKEFIELD	3.699	ACRES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHLAK600020801-01	BLUE POND	MADISON	7.074	ACRES	Aquatic Life Integrity	pH	4A-M	9/20/2007	158 ACID PONDS	33878	Non-ORW
2020/2022	NHLAK600020801-05	MACK POND	MADISON	11.548	ACRES	Aquatic Life Integrity	pH	4A-M	9/20/2007	158 ACID PONDS	33878	Non-ORW
2020/2022	NHLAK600020801-06-01	SILVER LAKE	MADISON	966.962	ACRES	Aquatic Life Integrity	pH	4A-M	9/20/2007	158 ACID PONDS	33878	Non-ORW
2020/2022	NHLAK600020801-06-02	SILVER LAKE - MONUMENT BEACH	MADISON	0.218	ACRES	Aquatic Life Integrity	pH	3-ND	11/21/2007	114 ACID PONDS	33879	Non-ORW
2020/2022	NHLAK600020801-06-02	SILVER LAKE - MONUMENT BEACH	MADISON	0.218	ACRES	Primary Contact Recreation	Escherichia coli	4A-P	9/21/2010	NEW HAMPSHIRE STATEWIDE BACTERIA	39275	Non-ORW
2020/2022	NHLAK600020801-06-03	SILVER LAKE - FOOT OF THE LAKE BEACH	MADISON	0.533	ACRES	Aquatic Life Integrity	pH	3-ND	11/21/2007	114 ACID PONDS	33879	Non-ORW
2020/2022	NHLAK600020801-06-04	SILVER LAKE - NICHOLS BEACH	MADISON	0.436	ACRES	Aquatic Life Integrity	pH	3-ND	11/21/2007	114 ACID PONDS	33879	Non-ORW
2020/2022	NHLAK600020801-06-05	SILVER LAKE - KENNETT PARK BEACH	MADISON	0.097	ACRES	Aquatic Life Integrity	pH	3-ND	11/21/2007	114 ACID PONDS	33879	Non-ORW
2020/2022	NHLAK600020802-02	CONNER POND	OSSIPEE	84.649	ACRES	Aquatic Life Integrity	pH	4A-M	9/24/2004	CONNER POND	11472	Non-ORW
2020/2022	NHLAK600020802-04-01	OSSIPEE LAKE	OSSIPEE, FREEDOM	3241.641	ACRES	Aquatic Life Integrity	pH	4A-M	9/20/2007	158 ACID PONDS	33878	Non-ORW
2020/2022	NHLAK600020802-04-02	OSSIPEE LAKE - CAMP CALUMET BEACH	OSSIPEE	1.380	ACRES	Aquatic Life Integrity	pH	3-ND	11/21/2007	114 ACID PONDS	33879	Non-ORW
2020/2022	NHLAK600020802-04-03	OSSIPEE LAKE - DEER COVE PB BEACH	OSSIPEE	1.380	ACRES	Aquatic Life Integrity	pH	3-ND	11/21/2007	114 ACID PONDS	33879	Non-ORW
2020/2022	NHLAK600020802-04-04	OSSIPEE LAKE - CAMP CODY FOR BOYS BEACH	FREEDOM	1.380	ACRES	Aquatic Life Integrity	pH	3-ND	11/21/2007	114 ACID PONDS	33879	Non-ORW
2020/2022	NHLAK600020802-04-05	OSSIPEE LAKE - OSSIPEE LAKE NATURAL AREA	FREEDOM	28.331	ACRES	Primary Contact Recreation	Escherichia coli	4A-M	8/29/2011	58 NH BACTERIA IMPAIRED WATERS	40666	Non-ORW
2020/2022	NHLAK600020803-01-01	LOWER DANFORTH POND	FREEDOM	32.292	ACRES	Aquatic Life Integrity	pH	4A-M	9/20/2007	158 ACID PONDS	33878	Non-ORW
2020/2022	NHLAK600020803-01-02	MIDDLE DANFORTH POND	FREEDOM	53.567	ACRES	Aquatic Life Integrity	Non-Native Aquatic Plants	4C-M				Non-ORW
2020/2022	NHLAK600020803-01-02	MIDDLE DANFORTH POND	FREEDOM	53.567	ACRES	Aquatic Life Integrity	pH	4A-M	9/20/2007	158 ACID PONDS	33878	Non-ORW
2020/2022	NHLAK600020803-01-02	MIDDLE DANFORTH POND	FREEDOM	53.567	ACRES	Primary Contact Recreation	Cyanobacteria hepatotoxic microcystins	5-M				Non-ORW
2020/2022	NHLAK600020803-03	UPPER DANFORTH POND	FREEDOM	45.028	ACRES	Aquatic Life Integrity	Non-Native Aquatic Plants	4C-M				Non-ORW
2020/2022	NHLAK600020803-03	UPPER DANFORTH POND	FREEDOM	45.028	ACRES	Aquatic Life Integrity	pH	4A-M	9/20/2007	158 ACID PONDS	33878	Non-ORW

2020/2022	NHLAK600020803-06	PURITY LAKE	EATON, MADISON	95.510	ACRES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHLAK600020803-08	SHAW POND	FREEDOM	12.577	ACRES	Aquatic Life Integrity	pH	4A-M	9/20/2007	158 ACID PONDS	33878	Non-ORW
2020/2022	NHLAK600020803-08-02	SHAW POND - CAMP WAKUTA BEACH	FREEDOM	1.380	ACRES	Aquatic Life Integrity	pH	3-ND	11/21/2007	114 ACID PONDS	33879	Non-ORW
2020/2022	NHLAK600020803-09	TROUT POND	FREEDOM	20.691	ACRES	Aquatic Life Integrity	pH	5-P				Non-ORW
2020/2022	NHLAK600020804-01-01	BERRY BAY	FREEDOM, EFFINGHAM	152.240	ACRES	Aquatic Life Integrity	pH	4A-M	9/20/2007	158 ACID PONDS	33878	Non-ORW
2020/2022	NHLAK600020804-01-02	LEAVITT BAY	OSSIPEE, EFFINGHAM, FREEDOM	190.095	ACRES	Aquatic Life Integrity	Non-Native Aquatic Plants	4C-M				Non-ORW
2020/2022	NHLAK600020804-01-02	LEAVITT BAY	OSSIPEE, EFFINGHAM, FREEDOM	190.095	ACRES	Aquatic Life Integrity	pH	4A-M	9/20/2007	158 ACID PONDS	33878	Non-ORW
2020/2022	NHLAK600020804-01-03	BROAD BAY	FREEDOM, OSSIPEE	430.048	ACRES	Aquatic Life Integrity	Non-Native Aquatic Plants	4C-M				Non-ORW
2020/2022	NHLAK600020804-01-03	BROAD BAY	FREEDOM, OSSIPEE	430.048	ACRES	Aquatic Life Integrity	pH	4A-M	9/20/2007	158 ACID PONDS	33878	Non-ORW
2020/2022	NHLAK600020804-01-04	LEAVITT BAY - CAMP MARIST BEACH	EFFINGHAM	1.380	ACRES	Aquatic Life Integrity	pH	3-ND	11/21/2007	114 ACID PONDS	33879	Non-ORW
2020/2022	NHLAK600020804-01-05	BROAD BAY - CAMP HUCKINS BEACH	FREEDOM	1.380	ACRES	Aquatic Life Integrity	pH	3-ND	11/21/2007	114 ACID PONDS	33879	Non-ORW
2020/2022	NHLAK600020804-01-06	BROAD BAY - CAMP ROBIN HOOD BEACH	FREEDOM	1.380	ACRES	Aquatic Life Integrity	pH	3-ND	11/21/2007	114 ACID PONDS	33879	Non-ORW
2020/2022	NHLAK600020804-03	DUCK POND	FREEDOM	34.032	ACRES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHLAK600020902-01	PROVINCE LAKE	EFFINGHAM, WAKEFIELD	965.649	ACRES	Aquatic Life Integrity	Chlorophyll-a	5-M				Non-ORW
2020/2022	NHLAK600020902-01	PROVINCE LAKE	EFFINGHAM, WAKEFIELD	965.649	ACRES	Aquatic Life Integrity	pH	4A-M	9/20/2007	158 ACID PONDS	33878	Non-ORW
2020/2022	NHLAK600020902-01	PROVINCE LAKE	EFFINGHAM, WAKEFIELD	965.649	ACRES	Aquatic Life Integrity	Phosphorus (Total)	5-M				Non-ORW
2020/2022	NHLAK600020902-01	PROVINCE LAKE	EFFINGHAM, WAKEFIELD	965.649	ACRES	Primary Contact Recreation	Cyanobacteria hepatotoxic microcystins	5-M				Non-ORW
2020/2022	NHLAK600021001-01	BALCH POND	WAKEFIELD	295.040	ACRES	Aquatic Life Integrity	Non-Native Aquatic Plants	4C-M				Non-ORW
2020/2022	NHLAK600021001-01	BALCH POND	WAKEFIELD	295.040	ACRES	Aquatic Life Integrity	pH	4A-M	9/20/2007	158 ACID PONDS	33878	Non-ORW
2020/2022	NHLAK600021001-03	BELLEAU LAKE	WAKEFIELD	187.174	ACRES	Aquatic Life Integrity	Non-Native Aquatic Plants	4C-M				Non-ORW
2020/2022	NHLAK600030401-01-01	LOVELL LAKE	WAKEFIELD	552.403	ACRES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHLAK600030401-01-02	LOVELL POND - TOWN BEACH	WAKEFIELD	0.436	ACRES	Primary Contact Recreation	Escherichia coli	2-M	9/21/2010	NEW HAMPSHIRE STATEWIDE BACTERIA	39276	Non-ORW
2020/2022	NHLAK600030401-02	MOUNTAIN LAKE	BROOKFIELD	11.867	ACRES	Aquatic Life Integrity	Non-Native Aquatic Plants	4C-P				Non-ORW
2020/2022	NHLAK600030401-03	COOKS POND	BROOKFIELD	245.934	ACRES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHLAK600030403-02	HORN POND	WAKEFIELD	118.234	ACRES	Aquatic Life Integrity	pH	4A-M	9/20/2007	158 ACID PONDS	33878	Non-ORW
2020/2022	NHLAK600030403-03	LAKE IVANHOE	WAKEFIELD	68.239	ACRES	Aquatic Life Integrity	pH	4A-M	9/24/2004	IVANHOE LAKE	11492	Non-ORW
2020/2022	NHLAK600030404-01-01	MILTON POND	MILTON	163.895	ACRES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHLAK600030404-01-02	TOWNHOUSE POND	MILTON	125.646	ACRES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHLAK600030404-01-03	MILTON THREE PONDS - MILTON POND REC AREA BEACH	MILTON	1.382	ACRES	Primary Contact Recreation	Escherichia coli	4A-P	9/21/2010	NEW HAMPSHIRE STATEWIDE BACTERIA	39275	Non-ORW
2020/2022	NHLAK600030404-02	NORTHEAST POND	MILTON	285.041	ACRES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHLAK600030405-02	SPAULDING POND	MILTON, ROCHESTER	49.724	ACRES	Aquatic Life Integrity	Non-Native Aquatic Plants	4C-P				Non-ORW
2020/2022	NHLAK600030405-03	WILLAND POND	SOMERSWORTH, DOVER	65.671	ACRES	Aquatic Life Integrity	Dissolved oxygen saturation	5-M				Non-ORW
2020/2022	NHLAK600030405-03	WILLAND POND	SOMERSWORTH, DOVER	65.671	ACRES	Aquatic Life Integrity	Non-Native Aquatic Plants	4C-M				Non-ORW
2020/2022	NHLAK600030405-03	WILLAND POND	SOMERSWORTH, DOVER	65.671	ACRES	Aquatic Life Integrity	Other flow regime alterations	4C-P				Non-ORW
2020/2022	NHLAK600030405-03	WILLAND POND	SOMERSWORTH, DOVER	65.671	ACRES	Aquatic Life Integrity	Oxygen, Dissolved	5-P				Non-ORW
2020/2022	NHLAK600030405-03	WILLAND POND	SOMERSWORTH, DOVER	65.671	ACRES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHLAK600030405-03	WILLAND POND	SOMERSWORTH, DOVER	65.671	ACRES	Primary Contact Recreation	Escherichia coli	4A-P	8/29/2011	58 NH BACTERIA IMPAIRED WATERS	40665	Non-ORW
2020/2022	NHLAK600030601-01	CHALK POND	NEW DURHAM	52.787	ACRES							ORW
2020/2022	NHLAK600030601-04	MARCHS POND	NEW DURHAM	73.998	ACRES							ORW
2020/2022	NHLAK600030601-04-02	MARCHS POND - BIRCH HILL SUMMER CAMP BEACH	NEW DURHAM	1.380	ACRES							ORW
2020/2022	NHLAK600030601-05-01	SUNRISE LAKE	MIDDLETON	246.308	ACRES	Aquatic Life Integrity	Chlorophyll-a	5-M				Non-ORW
2020/2022	NHLAK600030601-05-01	SUNRISE LAKE	MIDDLETON	246.308	ACRES	Aquatic Life Integrity	Non-Native Aquatic Plants	4C-M				Non-ORW
2020/2022	NHLAK600030601-05-01	SUNRISE LAKE	MIDDLETON	246.308	ACRES	Aquatic Life Integrity	pH	4A-M	9/20/2007	158 ACID PONDS	33878	Non-ORW
2020/2022	NHLAK600030601-05-01	SUNRISE LAKE	MIDDLETON	246.308	ACRES	Aquatic Life Integrity	Phosphorus (Total)	5-M				Non-ORW
2020/2022	NHLAK600030601-05-01	SUNRISE LAKE	MIDDLETON	246.308	ACRES	Primary Contact Recreation	Cyanobacteria hepatotoxic microcystins	5-M				Non-ORW
2020/2022	NHLAK600030601-05-02	SUNRISE LAKE - TOWN BEACH	MIDDLETON	0.533	ACRES	Aquatic Life Integrity	pH	4A-M	11/21/2007	114 ACID PONDS	33879	Non-ORW
2020/2022	NHLAK600030601-05-02	SUNRISE LAKE - TOWN BEACH	MIDDLETON	0.533	ACRES	Primary Contact Recreation	Escherichia coli	4A-P	9/21/2010	NEW HAMPSHIRE STATEWIDE BACTERIA	39276	Non-ORW
2020/2022	NHLAK600030601-08	TAUSSIG WILDLIFE POND DAM	NEW DURHAM	2.600	ACRES							ORW
2020/2022	NHLAK600030602-01	BAXTER LAKE	FARMINGTON, ROCHESTER	301.390	ACRES	Aquatic Life Integrity	Dissolved oxygen saturation	5-M				Non-ORW
2020/2022	NHLAK600030602-01	BAXTER LAKE	FARMINGTON, ROCHESTER	301.390	ACRES	Aquatic Life Integrity	Oxygen, Dissolved	5-M				Non-ORW
2020/2022	NHLAK600030602-01	BAXTER LAKE	FARMINGTON, ROCHESTER	301.390	ACRES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHLAK600030602-03	ROCHESTER RESERVOIR	ROCHESTER, BARRINGTON	53.032	ACRES	Aquatic Life Integrity	pH	4A-M	9/20/2007	158 ACID PONDS	33878	Non-ORW
2020/2022	NHLAK600030604-01-01	BOW LAKE	STRAFFORD, NORTHWOOD	1145.795	ACRES	Aquatic Life Integrity	pH	4A-M	9/24/2004	BOW LAKE	11466	ORW
2020/2022	NHLAK600030604-01-02	BOW LAKE - TOWN BEACH	STRAFFORD	0.970	ACRES	Aquatic Life Integrity	pH	3-ND	9/14/2006	BOW LAKE	32408	ORW
2020/2022	NHLAK600030604-01-02	BOW LAKE - TOWN BEACH	STRAFFORD	0.970	ACRES	Primary Contact Recreation	Escherichia coli	2-G	9/21/2010	NEW HAMPSHIRE STATEWIDE BACTERIA	39276	ORW
2020/2022	NHLAK600030604-01-03	BOW LAKE - MARY WALDRON BEACH	NORTHWOOD	0.315	ACRES	Aquatic Life Integrity	pH	3-ND	9/14/2006	BOW LAKE	32409	ORW
2020/2022	NHLAK600030604-01-04	BOW LAKE - BENNETT BRIDGE BEACH	NORTHWOOD	0.436	ACRES	Aquatic Life Integrity	pH	3-ND	9/14/2006	BOW LAKE	32410	ORW
2020/2022	NHLAK600030604-02	UNNAMED POND	STRAFFORD	6.343	ACRES							ORW
2020/2022	NHLAK600030604-03	UNNAMED POND	STRAFFORD	10.547	ACRES							ORW
2020/2022	NHLAK600030605-01	NIPPO POND	BARRINGTON	85.116	ACRES	Aquatic Life Integrity	pH	4A-P	9/20/2007	158 ACID PONDS	33878	ORW
2020/2022	NHLAK600030605-02	STONEHOUSE POND	BARRINGTON	13.337	ACRES							ORW
2020/2022	NHLAK600030605-03	HUCKINS MILL POND	STRAFFORD	17.268	ACRES							ORW
2020/2022	NHLAK600030605-04	UNNAMED POND	STRAFFORD	13.726	ACRES							ORW
2020/2022	NHLAK600030606-01	LONG POND	BARRINGTON	54.885	ACRES	Aquatic Life Integrity	Chlorophyll-a	4A-M	5/12/2011	LONG POND	40291	Non-ORW
2020/2022	NHLAK600030606-01	LONG POND	BARRINGTON	54.885	ACRES	Aquatic Life Integrity	Phosphorus (Total)	4A-M	5/12/2011	LONG POND	40291	Non-ORW
2020/2022	NHLAK600030606-01	LONG POND	BARRINGTON	54.885	ACRES	Primary Contact Recreation	Chlorophyll-a	4A-M	5/12/2011	LONG POND	40291	Non-ORW
2020/2022	NHLAK600030607-01	AYERS POND	BARRINGTON	235.137	ACRES	Aquatic Life Integrity	pH	4A-M	9/24/2004	AYERS POND	11462	Non-ORW
2020/2022	NHLAK600030608-01	FRESH CREEK POND	DOVER, ROLLINSFORD	19.795	ACRES	Aquatic Life Integrity	Dissolved oxygen saturation	5-M				Non-ORW
2020/2022	NHLAK600030608-01	FRESH CREEK POND	DOVER, ROLLINSFORD	19.795	ACRES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHLAK600030608-01	FRESH CREEK POND	DOVER, ROLLINSFORD	19.795	ACRES	Primary Contact Recreation	Escherichia coli	4A-P	9/21/2010	NEW HAMPSHIRE STATEWIDE BACTERIA	39272	Non-ORW
2020/2022	NHLAK600030701-02	LOWER FREESES POND	DEERFIELD	25.093	ACRES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHLAK600030701-03	UPPER FREESES POND	DEERFIELD	30.154	ACRES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHLAK600030702-01	UNNAMED POND	CANDIA	5.249	ACRES							ORW
2020/2022	NHLAK600030702-02-01	SPRUCE POND	DEERFIELD	21.692	ACRES							ORW
2020/2022	NHLAK600030702-02-02	SPRUCE POND - SPRUCE POND BEACH	DEERING	1.380	ACRES							ORW
2020/2022	NHLAK600030702-03	UNNAMED POND	DEERFIELD	8.959	ACRES							ORW
2020/2022	NHLAK600030703-01	GOVERNORS LAKE	RAYMOND	60.331	ACRES	Aquatic Life Integrity	Chlorophyll-a	4A-M	5/12/2011	GOVERNORS LAKE	40284	Non-ORW
2020/2022	NHLAK600030703-01	GOVERNORS LAKE	RAYMOND	60.331	ACRES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHLAK600030703-01	GOVERNORS LAKE	RAYMOND	60.331	ACRES	Aquatic Life Integrity	Phosphorus (Total)	4A-M	5/12/2011	GOVERNORS LAKE	40284	Non-ORW
2020/2022	NHLAK600030703-01	GOVERNORS LAKE	RAYMOND	60.331	ACRES	Primary Contact Recreation	Chlorophyll-a	2-G	5/12/2011	GOVERNORS LAKE	40284	Non-ORW
2020/2022	NHLAK600030703-03-01	ONWAY LAKE	RAYMOND	178.248	ACRES	Aquatic Life Integrity	Dissolved oxygen saturation	5-M				Non-ORW
2020/2022	NHLAK600030703-03-01	ONWAY LAKE	RAYMOND	178.248	ACRES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHLAK600030704-02-01	PAWTUCKAWAY LAKE	NOTTINGHAM	781.628	ACRES	Aquatic Life Integrity	Chlorophyll-a	4A-M	5/12/2011	PAWTUCKAWAY LAKE	40293	Non-ORW
2020/2022	NHLAK600030704-02-01	PAWTUCKAWAY LAKE	NOTTINGHAM	781.628	ACRES	Aquatic Life Integrity	Dissolved oxygen saturation	4A-M	5/12/2011	PAWTUCKAWAY LAKE	40293	Non-ORW
2020/2022	NHLAK600030704-02-01	PAWTUCKAWAY LAKE	NOTTINGHAM	781.628	ACRES	Aquatic Life Integrity	pH	4A-P	9/20/2007	158 ACID PONDS	33878	Non-ORW
2020/2022	NHLAK600030704-02-01	PAWTUCKAWAY LAKE	NOTTINGHAM	781.628	ACRES	Aquatic Life Integrity	Phosphorus (Total)	4A-M	5/12/2011	PAWTUCKAWAY LAKE	40293	Non-ORW
2020/2022	NHLAK600030704-02-01	PAWTUCKAWAY LAKE	NOTTINGHAM	781.628	ACRES	Primary Contact Recreation	Chlorophyll-a	2-M	5/12/2011	PAWTUCKAWAY LAKE	40293	Non-ORW

2020/2022	NHLAK600030704-02-01	PAWTUCKAWAY LAKE	NOTTINGHAM	781.628	ACRES	Primary Contact Recreation	Cyanobacteria hepatotoxic microcystins	4A-M	5/12/2011	PAWTUCKAWAY LAKE	40293	Non-ORW
2020/2022	NHLAK600030704-02-02	PAWTUCKAWAY LAKE - PAWTUCKAWAY STATE PARK BEACH	NOTTINGHAM	0.364	ACRES	Aquatic Life Integrity	Dissolved oxygen saturation	3-ND	5/12/2011	PAWTUCKAWAY LAKE	40293	Non-ORW
2020/2022	NHLAK600030704-02-02	PAWTUCKAWAY LAKE - PAWTUCKAWAY STATE PARK BEACH	NOTTINGHAM	0.364	ACRES	Aquatic Life Integrity	pH	3-ND	11/21/2007	114 ACID PONDS	33879	Non-ORW
2020/2022	NHLAK600030704-02-02	PAWTUCKAWAY LAKE - PAWTUCKAWAY STATE PARK BEACH	NOTTINGHAM	0.364	ACRES	Primary Contact Recreation	Cyanobacteria hepatotoxic microcystins	4A-M	9/27/2010	NEW HAMPSHIRE STATEWIDE BACTERIA	40293	Non-ORW
2020/2022	NHLAK600030704-02-02	PAWTUCKAWAY LAKE - PAWTUCKAWAY STATE PARK BEACH	NOTTINGHAM	0.364	ACRES	Primary Contact Recreation	Escherichia coli	4A-P	9/21/2010	NEW HAMPSHIRE STATEWIDE BACTERIA	39276	Non-ORW
2020/2022	NHLAK600030704-02-03	PAWTUCKAWAY LAKE - TOWN BEACH	NOTTINGHAM	0.364	ACRES	Aquatic Life Integrity	Dissolved oxygen saturation	3-ND	5/12/2011	PAWTUCKAWAY LAKE	40293	Non-ORW
2020/2022	NHLAK600030704-02-03	PAWTUCKAWAY LAKE - TOWN BEACH	NOTTINGHAM	0.364	ACRES	Aquatic Life Integrity	pH	3-ND	11/21/2007	114 ACID PONDS	33879	Non-ORW
2020/2022	NHLAK600030704-02-03	PAWTUCKAWAY LAKE - TOWN BEACH	NOTTINGHAM	0.364	ACRES	Primary Contact Recreation	Escherichia coli	2-M	9/21/2010	NEW HAMPSHIRE STATEWIDE BACTERIA	39276	Non-ORW
2020/2022	NHLAK600030705-03	NORTH RIVER POND	NOTTINGHAM, BARRINGTON, NORTHWOOD	83.647	ACRES	Aquatic Life Integrity	Chlorophyll-a	5-M				Non-ORW
2020/2022	NHLAK600030705-03	NORTH RIVER POND	NOTTINGHAM, BARRINGTON, NORTHWOOD	83.647	ACRES	Aquatic Life Integrity	Phosphorus (Total)	5-M				Non-ORW
2020/2022	NHLAK600030705-05	DEMERITT POND	NOTTINGHAM, NORTHWOOD	14.259	ACRES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHLAK600030705-06	MARSTON POND	NOTTINGHAM	10.404	ACRES	Aquatic Life Integrity	pH	5-P				Non-ORW
2020/2022	NHLAK600030707-01	MENDUMS POND	BARRINGTON, NOTTINGHAM	263.988	ACRES	Aquatic Life Integrity	pH	5-P				Non-ORW
2020/2022	NHLAK600030708-01	PISCASSIC ICE POND	NEWFIELDS	13.634	ACRES							Review OneStop GIS
2020/2022	NHLAK600030708-02	MITIGATION BASIN 2	BRENTWOOD, EPPING	1.185	ACRES	Aquatic Life Integrity	Dissolved oxygen saturation	5-M				Non-ORW
2020/2022	NHLAK600030708-04	UNNAMED POND	FREMONT	0.683	ACRES							ORW
2020/2022	NHLAK600030708-05	UNNAMED POND	EPPING	3.230	ACRES							ORW
2020/2022	NHLAK600030708-06	UNNAMED POND	EPPING	1.321	ACRES							ORW
2020/2022	NHLAK600030708-07	UNNAMED POND	EPPING	1.203	ACRES							ORW
2020/2022	NHLAK600030802-01	HUNT POND	SANDOWN	8.826	ACRES	Aquatic Life Integrity	pH	4A-M	9/20/2007	158 ACID PONDS	33878	Non-ORW
2020/2022	NHLAK600030802-02	LILY POND	SANDOWN	13.214	ACRES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHLAK600030802-02	LILY POND	SANDOWN	13.214	ACRES	Primary Contact Recreation	Cyanobacteria hepatotoxic microcystins	5-P				Non-ORW
2020/2022	NHLAK600030802-03-01	PHILLIPS POND	SANDOWN	94.688	ACRES	Aquatic Life Integrity	Chlorophyll-a	4A-M	9/27/2018	Phillips Pond and Town Beach	R1-NH-2018-01	Non-ORW
2020/2022	NHLAK600030802-03-01	PHILLIPS POND	SANDOWN	94.688	ACRES	Aquatic Life Integrity	Non-Native Aquatic Plants	4C-M				Non-ORW
2020/2022	NHLAK600030802-03-01	PHILLIPS POND	SANDOWN	94.688	ACRES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHLAK600030802-03-01	PHILLIPS POND	SANDOWN	94.688	ACRES	Aquatic Life Integrity	Phosphorus (Total)	4A-M	9/27/2018	Phillips Pond and Town Beach	R1-NH-2018-01	Non-ORW
2020/2022	NHLAK600030802-03-01	PHILLIPS POND	SANDOWN	94.688	ACRES	Primary Contact Recreation	Cyanobacteria hepatotoxic microcystins	4A-M	9/27/2018	Phillips Pond and Town Beach	R1-NH-2018-01	Non-ORW
2020/2022	NHLAK600030802-03-02	PHILLIPS POND - SEELEY TOWN BEACH	SANDOWN	0.267	ACRES	Aquatic Life Integrity	Non-Native Aquatic Plants	4C-M				Non-ORW
2020/2022	NHLAK600030802-03-02	PHILLIPS POND - SEELEY TOWN BEACH	SANDOWN	0.267	ACRES	Primary Contact Recreation	Cyanobacteria hepatotoxic microcystins	4A-M	9/27/2018	Phillips Pond and Town Beach	R1-NH-2018-02	Non-ORW
2020/2022	NHLAK600030802-04	SHOWELL POND	SANDOWN	20.005	ACRES	Aquatic Life Integrity	Chlorophyll-a	4A-P	5/12/2011	SHOWELL POND	40298	Non-ORW
2020/2022	NHLAK600030802-04	SHOWELL POND	SANDOWN	20.005	ACRES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHLAK600030802-04	SHOWELL POND	SANDOWN	20.005	ACRES	Aquatic Life Integrity	Phosphorus (Total)	4A-P	5/12/2011	SHOWELL POND	40298	Non-ORW
2020/2022	NHLAK600030802-04	SHOWELL POND	SANDOWN	20.005	ACRES	Primary Contact Recreation	Chlorophyll-a	4A-P	5/12/2011	SHOWELL POND	40298	Non-ORW
2020/2022	NHLAK600030802-04	SHOWELL POND	SANDOWN	20.005	ACRES	Primary Contact Recreation	Cyanobacteria hepatotoxic microcystins	4A-P	5/12/2011	SHOWELL POND	40298	Non-ORW
2020/2022	NHLAK600030804-01	COLCORD POND	EXETER	8.168	ACRES	Aquatic Life Integrity	Dissolved oxygen saturation	5-M				Non-ORW
2020/2022	NHLAK600030902-02	WHEELWRIGHT POND	LEE	102.019	ACRES	Aquatic Life Integrity	Oxygen, Dissolved	5-P				Non-ORW
2020/2022	NHLAK600030903-02	BELLAMY RESERVOIR	MADBURY, DOVER	332.357	ACRES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHLAK600030903-03	SWAINS LAKE	BARRINGTON	339.997	ACRES	Aquatic Life Integrity	Chlorophyll-a	5-P				Non-ORW
2020/2022	NHLAK600030903-03	SWAINS LAKE	BARRINGTON	339.997	ACRES	Aquatic Life Integrity	Dissolved oxygen saturation	5-M				Non-ORW
2020/2022	NHLAK600030903-03	SWAINS LAKE	BARRINGTON	339.997	ACRES	Aquatic Life Integrity	Oxygen, Dissolved	5-P				Non-ORW
2020/2022	NHLAK600030903-03	SWAINS LAKE	BARRINGTON	339.997	ACRES	Aquatic Life Integrity	pH	5-P				Non-ORW
2020/2022	NHLAK600030903-03	SWAINS LAKE	BARRINGTON	339.997	ACRES	Aquatic Life Integrity	Phosphorus (Total)	5-M				Non-ORW
2020/2022	NHLAK600030903-04	WINKLEY POND	BARRINGTON	11.070	ACRES	Aquatic Life Integrity	pH	5-P				Non-ORW
2020/2022	NHLAK600031001-02	UNKNOWN POND	NEW CASTLE	0.233	ACRES	Primary Contact Recreation	Escherichia coli	5-P				Non-ORW
2020/2022	NHLAK600031002-01	EEL POND	RYE	38.911	ACRES	Aquatic Life Integrity	Chloride	5-M				Non-ORW
2020/2022	NHLAK600031002-01	EEL POND	RYE	38.911	ACRES	Aquatic Life Integrity	Dissolved oxygen saturation	5-P				Non-ORW
2020/2022	NHLAK600031002-01	EEL POND	RYE	38.911	ACRES	Aquatic Life Integrity	Oxygen, Dissolved	5-P				Non-ORW
2020/2022	NHLAK600031003-02	TAYLOR RIVER REFUGE POND	HAMPTON, HAMPTON FALLS	46.524	ACRES	Aquatic Life Integrity	Anthracene	5-M				Non-ORW
2020/2022	NHLAK600031003-02	TAYLOR RIVER REFUGE POND	HAMPTON, HAMPTON FALLS	46.524	ACRES	Aquatic Life Integrity	Arsenic	5-M				Non-ORW
2020/2022	NHLAK600031003-02	TAYLOR RIVER REFUGE POND	HAMPTON, HAMPTON FALLS	46.524	ACRES	Aquatic Life Integrity	Barium	5-M				Non-ORW
2020/2022	NHLAK600031003-02	TAYLOR RIVER REFUGE POND	HAMPTON, HAMPTON FALLS	46.524	ACRES	Aquatic Life Integrity	Benzo(a)pyrene (PAHs)	5-M				Non-ORW
2020/2022	NHLAK600031003-02	TAYLOR RIVER REFUGE POND	HAMPTON, HAMPTON FALLS	46.524	ACRES	Aquatic Life Integrity	Benzo[b]fluoranthene	5-M				Non-ORW
2020/2022	NHLAK600031003-02	TAYLOR RIVER REFUGE POND	HAMPTON, HAMPTON FALLS	46.524	ACRES	Aquatic Life Integrity	Benzo[k]fluoranthene	5-M				Non-ORW
2020/2022	NHLAK600031003-02	TAYLOR RIVER REFUGE POND	HAMPTON, HAMPTON FALLS	46.524	ACRES	Aquatic Life Integrity	DDD	5-M				Non-ORW
2020/2022	NHLAK600031003-02	TAYLOR RIVER REFUGE POND	HAMPTON, HAMPTON FALLS	46.524	ACRES	Aquatic Life Integrity	DDE	5-M				Non-ORW
2020/2022	NHLAK600031003-02	TAYLOR RIVER REFUGE POND	HAMPTON, HAMPTON FALLS	46.524	ACRES	Aquatic Life Integrity	Dissolved oxygen saturation	5-M				Non-ORW
2020/2022	NHLAK600031003-02	TAYLOR RIVER REFUGE POND	HAMPTON, HAMPTON FALLS	46.524	ACRES	Aquatic Life Integrity	Indeno[1,2,3-cd]pyrene	5-M				Non-ORW
2020/2022	NHLAK600031003-02	TAYLOR RIVER REFUGE POND	HAMPTON, HAMPTON FALLS	46.524	ACRES	Aquatic Life Integrity	Lead	5-M				Non-ORW
2020/2022	NHLAK600031003-02	TAYLOR RIVER REFUGE POND	HAMPTON, HAMPTON FALLS	46.524	ACRES	Aquatic Life Integrity	Mercury	5-M				Non-ORW
2020/2022	NHLAK600031003-02	TAYLOR RIVER REFUGE POND	HAMPTON, HAMPTON FALLS	46.524	ACRES	Aquatic Life Integrity	Nickel	5-M				Non-ORW
2020/2022	NHLAK600031003-02	TAYLOR RIVER REFUGE POND	HAMPTON, HAMPTON FALLS	46.524	ACRES	Aquatic Life Integrity	Oxygen, Dissolved	5-P				Non-ORW
2020/2022	NHLAK600031003-02	TAYLOR RIVER REFUGE POND	HAMPTON, HAMPTON FALLS	46.524	ACRES	Aquatic Life Integrity	Zinc	5-M				Non-ORW
2020/2022	NHLAK700010101-01	ETHAN POND	BETHLEHEM	5.261	ACRES							ORW
2020/2022	NHLAK700010101-02	ZEALAND POND	BETHLEHEM	2.081	ACRES							ORW
2020/2022	NHLAK700010102-01	CARRIGAIN POND	LINCOLN	1.644	ACRES							ORW
2020/2022	NHLAK700010102-02	NORCROSS POND	LINCOLN	8.738	ACRES							ORW
2020/2022	NHLAK700010102-03	SHOAL POND	LINCOLN	5.174	ACRES							ORW
2020/2022	NHLAK700010104-01	BLACK POND	LINCOLN	4.868	ACRES	Aquatic Life Integrity	Aluminum	4A-M	9/24/2004	BLACK POND	11464	ORW
2020/2022	NHLAK700010104-01	BLACK POND	LINCOLN	4.868	ACRES	Aquatic Life Integrity	pH	4A-M	9/24/2004	BLACK POND	11464	ORW
2020/2022	NHLAK700010104-02	LOON POND	LINCOLN	19.197	ACRES	Aquatic Life Integrity	pH	4A-M	9/20/2007	158 ACID PONDS	33878	ORW
2020/2022	NHLAK700010104-03	LITTLE LOON POND	LINCOLN	1.734	ACRES							ORW
2020/2022	NHLAK700010201-01	BOG POND	LINCOLN	22.504	ACRES							ORW
2020/2022	NHLAK700010201-02	KINSMAN POND	LINCOLN	4.369	ACRES							ORW
2020/2022	NHLAK700010201-03	LONESOME LAKE	LINCOLN	12.138	ACRES	Aquatic Life Integrity	Aluminum	4A-M	9/24/2004	LONESOME LAKE	11495	ORW
2020/2022	NHLAK700010201-03	LONESOME LAKE	LINCOLN	12.138	ACRES	Aquatic Life Integrity	pH	4A-M	9/24/2004	LONESOME LAKE	11495	ORW
2020/2022	NHLAK700010201-04	PROFILE LAKE	FRANCONIA	12.968	ACRES							ORW
2020/2022	NHLAK700010201-05	MUD POND	LINCOLN	1.643	ACRES							ORW
2020/2022	NHLAK700010201-06	HARRINGTON POND	LINCOLN	0.818	ACRES							ORW
2020/2022	NHLAK700010202-01	GORDON POND	LINCOLN	6.448	ACRES							ORW
2020/2022	NHLAK700010203-01	ELBOW POND	WOODSTOCK	48.168	ACRES							ORW
2020/2022	NHLAK700010203-02	RUSSELL POND	WOODSTOCK	40.552	ACRES	Aquatic Life Integrity	Aluminum	4A-M	10/14/2004	RUSSELL POND	11447	ORW
2020/2022	NHLAK700010203-02	RUSSELL POND	WOODSTOCK	40.552	ACRES	Aquatic Life Integrity	pH	4A-M	10/14/2004	RUSSELL POND	11447	ORW
2020/2022	NHLAK700010204-01	EAST POND	LIVERMORE	7.100	ACRES	Aquatic Life Integrity	Aluminum	4A-M	9/24/2004	EAST POND	11478	ORW
2020/2022	NHLAK700010204-01	EAST POND	LIVERMORE	7.100	ACRES	Aquatic Life Integrity	pH	4A-P	9/24/2004	EAST POND	11478	ORW
2020/2022	NHLAK700010204-02	LITTLE EAST POND	LIVERMORE	3.262	ACRES							ORW

2020/2022	NHLAK700010205-01	MIRROR LAKE	WOODSTOCK	37.987	ACRES	Aquatic Life Integrity	pH	4A-M	9/20/2007	158 ACID PONDS	33878	Review OneStop GIS
2020/2022	NHLAK700010205-01-01	MIRROR LAKE - MIRROR LAKE BEACH	WOODSTOCK	0.410	ACRES	Aquatic Life Integrity	pH	3-ND	9/20/2007	158 ACID PONDS	33878	Non-ORW
2020/2022	NHLAK700010205-02	PEAKED HILL POND	THORNTON	14.928	ACRES	Aquatic Life Integrity	Aluminum	4A-M	10/14/2004	PEAKED HILL POND	11441	ORW
2020/2022	NHLAK700010205-02	PEAKED HILL POND	THORNTON	14.928	ACRES	Aquatic Life Integrity	pH	4A-M	10/14/2004	PEAKED HILL POND	11441	ORW
2020/2022	NHLAK700010206-01	ELLSWORTH POND	ELLSWORTH	49.667	ACRES							ORW
2020/2022	NHLAK700010206-02	MUD POND	THORNTON	13.566	ACRES							ORW
2020/2022	NHLAK700010206-03	HEATH POND	ELLSWORTH	2.899	ACRES							ORW
2020/2022	NHLAK700010302-02	WACHIPAUKA POND	WARREN	28.151	ACRES	Aquatic Life Integrity	pH	4A-M	10/14/2004	WACHIPAUKA POND	11459	ORW
2020/2022	NHLAK700010303-03	BRACKETT POND	WENTWORTH	7.213	ACRES							ORW
2020/2022	NHLAK700010304-02	DERBY POND	ORANGE, CANAAN	6.367	ACRES	Aquatic Life Integrity	Aluminum	4A-M	9/24/2004	DERBY POND	11476	Non-ORW
2020/2022	NHLAK700010304-02	DERBY POND	ORANGE, CANAAN	6.367	ACRES	Aquatic Life Integrity	pH	4A-P	9/24/2004	DERBY POND	11476	Non-ORW
2020/2022	NHLAK700010304-04	MCCUTCHEON POND	DORCHESTER	9.291	ACRES	Aquatic Life Integrity	pH	4A-P	9/20/2007	158 ACID PONDS	33878	Non-ORW
2020/2022	NHLAK700010304-05	POUT POND	DORCHESTER	9.851	ACRES	Aquatic Life Integrity	pH	4A-M	9/20/2007	158 ACID PONDS	33878	Non-ORW
2020/2022	NHLAK700010304-06	ROCKY POND	WENTWORTH	19.785	ACRES	Aquatic Life Integrity	Aluminum	5-M				Non-ORW
2020/2022	NHLAK700010304-06	ROCKY POND	WENTWORTH	19.785	ACRES	Aquatic Life Integrity	pH	5-P				Non-ORW
2020/2022	NHLAK700010306-01	STINSON LAKE	RUMNEY	341.048	ACRES	Aquatic Life Integrity	pH	4A-M	10/14/2004	STINSON LAKE	11454	ORW
2020/2022	NHLAK700010306-01-02	STINSON LAKE - CAMP HAPPY T RANCH BEACH	RUMNEY	1.380	ACRES	Aquatic Life Integrity	pH	3-ND	11/30/2005	CAMP HAPPY T RANCH BEACH	22529	ORW
2020/2022	NHLAK700010306-02	MIDDLE THREE PONDS	WARREN	13.447	ACRES							ORW
2020/2022	NHLAK700010306-03	UPPER THREE PONDS	WARREN, ELLSWORTH	10.694	ACRES							ORW
2020/2022	NHLAK700010306-04	LOWER THREE PONDS	ELLSWORTH, WARREN	1.904	ACRES							ORW
2020/2022	NHLAK700010306-05	FOXGLOVE POND	WARREN	4.948	ACRES							ORW
2020/2022	NHLAK700010306-06	UNNAMED POND	RUMNEY	10.772	ACRES							ORW
2020/2022	NHLAK700010307-01	LOON LAKE	PLYMOUTH, RUMNEY	120.928	ACRES	Aquatic Life Integrity	Aluminum	4A-M	9/24/2004	LOON LAKE	11498	Non-ORW
2020/2022	NHLAK700010307-01	LOON LAKE	PLYMOUTH, RUMNEY	120.928	ACRES	Aquatic Life Integrity	pH	4A-M	9/24/2004	LOON LAKE	11498	Non-ORW
2020/2022	NHLAK700010401-01	ATWOOD POND	SANDWICH	3.050	ACRES							ORW
2020/2022	NHLAK700010401-02-01	CAMPTON POND	CAMPTON	36.768	ACRES							ORW
2020/2022	NHLAK700010401-02-02	CAMPTON POND - WATERVILLE ASSOCIATION BEACH	CAMPTON	1.280	ACRES							ORW
2020/2022	NHLAK700010401-03	CONE POND	THORNTON	9.027	ACRES	Aquatic Life Integrity	pH	4A-P	9/20/2007	158 ACID PONDS	33878	ORW
2020/2022	NHLAK700010401-04	UPPER GREELEY POND	LIVERMORE	2.360	ACRES	Aquatic Life Integrity	Aluminum	4A-M	9/24/2004	GREELEY POND (UPPER)	11485	ORW
2020/2022	NHLAK700010401-04	UPPER GREELEY POND	LIVERMORE	2.360	ACRES	Aquatic Life Integrity	pH	4A-P	9/24/2004	GREELEY POND (UPPER)	11485	ORW
2020/2022	NHLAK700010401-05	GREELEY POND, LOWER	LIVERMORE	4.875	ACRES							ORW
2020/2022	NHLAK700010402-01	BLACK MOUNTAIN POND	SANDWICH	7.410	ACRES	Aquatic Life Integrity	pH	4A-M	9/24/2004	BLACK MOUNTAIN POND	11463	ORW
2020/2022	NHLAK700010402-02	GUINEA POND	SANDWICH	12.526	ACRES							ORW
2020/2022	NHLAK700010402-03	LOWER HALL POND	SANDWICH	13.409	ACRES	Aquatic Life Integrity	pH	4A-M	9/20/2007	158 ACID PONDS	33878	ORW
2020/2022	NHLAK700010402-04	MIDDLE HALL POND	SANDWICH	5.710	ACRES	Aquatic Life Integrity	Aluminum	4A-M	9/24/2004	HALL POND MIDDLE	11489	ORW
2020/2022	NHLAK700010402-04	MIDDLE HALL POND	SANDWICH	5.710	ACRES	Aquatic Life Integrity	pH	4A-M	9/24/2004	HALL POND MIDDLE	11489	ORW
2020/2022	NHLAK700010402-05	UPPER HALL POND	SANDWICH	22.445	ACRES	Aquatic Life Integrity	pH	4A-P	9/20/2007	158 ACID PONDS	33878	ORW
2020/2022	NHLAK700010402-06	KIAH POND	SANDWICH	7.593	ACRES							ORW
2020/2022	NHLAK700010402-07	PERCH POND	CAMPTON	44.718	ACRES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHLAK700010402-08	LITTLE PERCH POND	CAMPTON	20.305	ACRES	Aquatic Life Integrity	pH	4A-P	9/20/2007	158 ACID PONDS	33878	Non-ORW
2020/2022	NHLAK700010501-01	BARVILLE POND	SANDWICH	43.602	ACRES	Aquatic Life Integrity	pH	4A-M	9/20/2007	158 ACID PONDS	33878	Non-ORW
2020/2022	NHLAK700010501-02	INTERVALE POND	SANDWICH	43.905	ACRES	Aquatic Life Integrity	pH	4A-M	9/20/2007	158 ACID PONDS	33878	Non-ORW
2020/2022	NHLAK700010501-03	KUSUMPE POND	SANDWICH	55.856	ACRES	Aquatic Life Integrity	pH	4A-M	9/20/2007	158 ACID PONDS	33878	Non-ORW
2020/2022	NHLAK700010501-04-01	SQUAM LAKE	HOLDERNESS, CENTER HARBOR, MOULTONBOROUGH, SANDWICH	6773.855	ACRES	Aquatic Life Integrity	Dissolved oxygen saturation	5-M				Non-ORW
2020/2022	NHLAK700010501-04-01	SQUAM LAKE	HOLDERNESS, CENTER HARBOR, MOULTONBOROUGH, SANDWICH	6773.855	ACRES	Aquatic Life Integrity	Oxygen, Dissolved	5-P				Non-ORW
2020/2022	NHLAK700010501-04-01	SQUAM LAKE	HOLDERNESS, CENTER HARBOR, MOULTONBOROUGH, SANDWICH	6773.855	ACRES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHLAK700010501-04-01	SQUAM LAKE	HOLDERNESS, CENTER HARBOR, MOULTONBOROUGH, SANDWICH	6773.855	ACRES	Fish Consumption	PCBS - FISH CONSUMPTION ADVISORY	5-M				Non-ORW
2020/2022	NHLAK700010501-05	WHITE OAK POND	HOLDERNESS	294.009	ACRES	Aquatic Life Integrity	Dissolved oxygen saturation	5-M				Non-ORW
2020/2022	NHLAK700010501-05	WHITE OAK POND	HOLDERNESS	294.009	ACRES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHLAK700010502-01-01	LITTLE SQUAM LAKE	HOLDERNESS, ASHLAND	453.103	ACRES	Aquatic Life Integrity	Dissolved oxygen saturation	5-M				Non-ORW
2020/2022	NHLAK700010502-01-01	LITTLE SQUAM LAKE	HOLDERNESS, ASHLAND	453.103	ACRES	Aquatic Life Integrity	Non-Native Aquatic Plants	4C-M				Non-ORW
2020/2022	NHLAK700010502-01-01	LITTLE SQUAM LAKE	HOLDERNESS, ASHLAND	453.103	ACRES	Aquatic Life Integrity	Oxygen, Dissolved	5-P				Non-ORW
2020/2022	NHLAK700010502-01-01	LITTLE SQUAM LAKE	HOLDERNESS, ASHLAND	453.103	ACRES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHLAK700010502-01-01	LITTLE SQUAM LAKE	HOLDERNESS, ASHLAND	453.103	ACRES	Fish Consumption	PCBS - FISH CONSUMPTION ADVISORY	5-M				Non-ORW
2020/2022	NHLAK700010502-01-02	LITTLE SQUAM LAKE - TOWN BEACH	ASHLAND	0.752	ACRES	Primary Contact Recreation	Escherichia coli	2-G	9/21/2010	NEW HAMPSHIRE STATEWIDE BACTERIA	39270	Non-ORW
2020/2022	NHLAK700010502-03	GRIST MILL POND	ASHLAND	25.000	ACRES	Aquatic Life Integrity	Non-Native Aquatic Plants	4C-M				Non-ORW
2020/2022	NHLAK700010502-04	SKY POND	NEW HAMPTON	13.924	ACRES	Aquatic Life Integrity	pH	4A-M	9/20/2007	158 ACID PONDS	33878	Non-ORW
2020/2022	NHLAK700010601-01	SPECTACLE POND	GROTON, HEBRON	52.460	ACRES	Aquatic Life Integrity	pH	4A-P	10/14/2004	SPECTACLE POND	11453	Non-ORW
2020/2022	NHLAK700010601-01-02	SPECTACLE POND - GROTON TOWN BEACH	GROTON	0.390	ACRES	Aquatic Life Integrity	pH	3-ND	10/14/2004	SPECTACLE POND	11453	Non-ORW
2020/2022	NHLAK700010603-02-01	NEWFOUND LAKE	BRISTOL, ALEXANDRIA, BRIDGEWATER, HEBRON	4439.695	ACRES	Aquatic Life Integrity	Oxygen, Dissolved	5-P				Non-ORW
2020/2022	NHLAK700010603-02-01	NEWFOUND LAKE	BRISTOL, ALEXANDRIA, BRIDGEWATER, HEBRON	4439.695	ACRES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHLAK700010603-02-05	NEWFOUND LAKE - WELLINGTON STATE PARK BEACH	BRISTOL	6.061	ACRES	Primary Contact Recreation	Escherichia coli	2-M	9/21/2010	NEW HAMPSHIRE STATEWIDE BACTERIA	39270	Non-ORW
2020/2022	NHLAK700010603-02-13	NEWFOUND LAKE - CAMP WI-CO-SU-TA BEACH	HEBRON	1.380	ACRES	Primary Contact Recreation	Escherichia coli	4A-M	9/21/2010	NEW HAMPSHIRE STATEWIDE BACTERIA	39271	Non-ORW
2020/2022	NHLAK700010701-03	ORANGE POND	ORANGE	24.259	ACRES	Aquatic Life Integrity	pH	4A-M	9/20/2007	158 ACID PONDS	33878	Non-ORW
2020/2022	NHLAK700010701-05	WAUKEENA LAKE	DANBURY	55.934	ACRES	Aquatic Life Integrity	Chlorophyll-a	5-M				Non-ORW
2020/2022	NHLAK700010701-05	WAUKEENA LAKE	DANBURY	55.934	ACRES	Aquatic Life Integrity	Dissolved oxygen saturation	5-M				Non-ORW
2020/2022	NHLAK700010701-05	WAUKEENA LAKE	DANBURY	55.934	ACRES	Aquatic Life Integrity	pH	4A-M	9/20/2007	158 ACID PONDS	33878	Non-ORW
2020/2022	NHLAK700010701-05	WAUKEENA LAKE	DANBURY	55.934	ACRES	Aquatic Life Integrity	Phosphorus (Total)	5-M				Non-ORW
2020/2022	NHLAK700010702-02	SCHOOL POND	DANBURY	43.831	ACRES	Aquatic Life Integrity	pH	4A-M	9/20/2007	158 ACID PONDS	33878	Non-ORW
2020/2022	NHLAK700010801-01	PEMIGEWASSET LAKE	MEREDITH, NEW HAMPTON	248.360	ACRES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHLAK700010802-02	GILES POND	SANBORNTON, FRANKLIN	42.755	ACRES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHLAK700010802-03-01	HERMIT LAKE	SANBORNTON	219.168	ACRES	Aquatic Life Integrity	pH	4A-M	9/20/2007	158 ACID PONDS	33878	Non-ORW
2020/2022	NHLAK700010802-03-02	HERMIT LAKE - TOWN BEACH	SANBORNTON	1.280	ACRES	Aquatic Life Integrity	pH	3-ND	11/21/2007	114 ACID PONDS	33879	Non-ORW
2020/2022	NHLAK700010802-03-02	HERMIT LAKE - TOWN BEACH	SANBORNTON	1.280	ACRES	Primary Contact Recreation	Escherichia coli	4A-P	9/21/2010	NEW HAMPSHIRE STATEWIDE BACTERIA	39276	Non-ORW
2020/2022	NHLAK700010802-04	RANDLETT POND	MEREDITH	32.229	ACRES	Aquatic Life Integrity	pH	4A-M	9/20/2007	158 ACID PONDS	33878	Non-ORW
2020/2022	NHLAK700010802-05	MOUNTAIN POND	SANBORNTON	24.211	ACRES	Aquatic Life Integrity	pH	4A-M	9/20/2007	158 ACID PONDS	33878	Non-ORW
2020/2022	NHLAK700010804-01-01	HIGHLAND LAKE	ANDOVER	205.536	ACRES	Aquatic Life Integrity	pH	4A-M	9/20/2007	158 ACID PONDS	33878	Non-ORW
2020/2022	NHLAK700010804-01-02	HIGHLAND LAKE - TOWN BEACH	ANDOVER	1.236	ACRES	Aquatic Life Integrity	pH	3-ND	11/21/2007	114 ACID PONDS	33879	Non-ORW
2020/2022	NHLAK700010804-02-01	WEBSTER LAKE	FRANKLIN	604.546	ACRES	Aquatic Life Integrity	Dissolved oxygen saturation	4A-M	1/9/2012	WEBSTER LAKE	41472	Non-ORW
2020/2022	NHLAK700010804-02-01	WEBSTER LAKE	FRANKLIN	604.546	ACRES	Aquatic Life Integrity	pH	4A-M	9/20/2007	158 ACID PONDS	33878	Non-ORW
2020/2022	NHLAK700010804-02-01	WEBSTER LAKE	FRANKLIN	604.546	ACRES	Primary Contact Recreation	Cyanobacteria hepatotoxic microcystins	4A-M	1/9/2012	WEBSTER LAKE	41472	Non-ORW

2020/2022	NHLAK700010804-02-02	WEBSTER LAKE - GRIFFIN TOWN BEACH	FRANKLIN	1.280	ACRES	Aquatic Life Integrity	pH	3-ND	11/21/2007	114 ACID PONDS	33879	Non-ORW
2020/2022	NHLAK700010804-02-02	WEBSTER LAKE - GRIFFIN TOWN BEACH	FRANKLIN	1.280	ACRES	Primary Contact Recreation	Cyanobacteria hepatotoxic microcystins	4A-M	1/9/2012	WEBSTER LAKE	41472	Non-ORW
2020/2022	NHLAK700010804-02-02	WEBSTER LAKE - GRIFFIN TOWN BEACH	FRANKLIN	1.280	ACRES	Primary Contact Recreation	Escherichia coli	4A-P	9/21/2010	NEW HAMPSHIRE STATEWIDE BACTERIA	39275	Non-ORW
2020/2022	NHLAK700010804-02-03	WEBSTER LAKE - LAGACE TOWN BEACH	FRANKLIN	1.280	ACRES	Aquatic Life Integrity	pH	3-ND	11/21/2007	114 ACID PONDS	33879	Non-ORW
2020/2022	NHLAK700010804-02-03	WEBSTER LAKE - LAGACE TOWN BEACH	FRANKLIN	1.280	ACRES	Primary Contact Recreation	Cyanobacteria hepatotoxic microcystins	4A-M	1/9/2012	WEBSTER LAKE	41472	Non-ORW
2020/2022	NHLAK700010804-02-03	WEBSTER LAKE - LAGACE TOWN BEACH	FRANKLIN	1.280	ACRES	Primary Contact Recreation	Escherichia coli	4A-P	9/21/2010	NEW HAMPSHIRE STATEWIDE BACTERIA	39275	Non-ORW
2020/2022	NHLAK700020101-02	SARGENTS POND	WOLFEBORO	62.225	ACRES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHLAK700020101-04	CRESCENT LAKE	WOLFEBORO	146.444	ACRES	Aquatic Life Integrity	Non-Native Aquatic Plants	4C-M				Non-ORW
2020/2022	NHLAK700020101-05-01	LAKE WENTWORTH	WOLFEBORO	3088.855	ACRES	Aquatic Life Integrity	Dissolved oxygen saturation	5-M				Non-ORW
2020/2022	NHLAK700020101-05-01	LAKE WENTWORTH	WOLFEBORO	3088.855	ACRES	Aquatic Life Integrity	Non-Native Aquatic Plants	4C-M				Non-ORW
2020/2022	NHLAK700020101-05-01	LAKE WENTWORTH	WOLFEBORO	3088.855	ACRES	Aquatic Life Integrity	Oxygen, Dissolved	5-P				Non-ORW
2020/2022	NHLAK700020101-05-01	LAKE WENTWORTH	WOLFEBORO	3088.855	ACRES	Aquatic Life Integrity	pH	4A-P	9/20/2007	158 ACID PONDS	33878	Non-ORW
2020/2022	NHLAK700020101-05-02	LAKE WENTWORTH - ALBEE BEACH	WOLFEBORO	0.145	ACRES	Aquatic Life Integrity	pH	3-ND	11/21/2007	114 ACID PONDS	33879	Non-ORW
2020/2022	NHLAK700020101-05-02	LAKE WENTWORTH - ALBEE BEACH	WOLFEBORO	0.145	ACRES	Primary Contact Recreation	Escherichia coli	4A-M	9/21/2010	NEW HAMPSHIRE STATEWIDE BACTERIA	39270	Non-ORW
2020/2022	NHLAK700020101-05-03	LAKE WENTWORTH - WENTWORTH STATE PARK BEACH	WOLFEBORO	2.206	ACRES	Aquatic Life Integrity	pH	3-ND	11/21/2007	114 ACID PONDS	33879	Non-ORW
2020/2022	NHLAK700020101-05-03	LAKE WENTWORTH - WENTWORTH STATE PARK BEACH	WOLFEBORO	2.206	ACRES	Primary Contact Recreation	Escherichia coli	4A-P	9/21/2010	NEW HAMPSHIRE STATEWIDE BACTERIA	39270	Non-ORW
2020/2022	NHLAK700020101-05-04	LAKE WENTWORTH - PUBLIC BEACH	WOLFEBORO	0.533	ACRES	Aquatic Life Integrity	pH	3-ND	11/21/2007	114 ACID PONDS	33879	Non-ORW
2020/2022	NHLAK700020101-05-05	LAKE WENTWORTH - CAMP BERNADETTE BEACH	WOLFEBORO	1.380	ACRES	Aquatic Life Integrity	pH	3-ND	11/21/2007	114 ACID PONDS	33879	Non-ORW
2020/2022	NHLAK700020101-05-07	LAKE WENTWORTH - PIERCE CAMP BIRCHMONT BEACH	WOLFEBORO	1.380	ACRES	Aquatic Life Integrity	pH	3-ND	11/21/2007	114 ACID PONDS	33879	Non-ORW
2020/2022	NHLAK700020101-07-01	RUST POND	WOLFEBORO	238.476	ACRES	Aquatic Life Integrity	pH	2-M	9/20/2007	158 ACID PONDS	33878	Non-ORW
2020/2022	NHLAK700020101-07-02	RUST POND - WOLFEBORO CAMP SCHOOL BEACH	WOLFEBORO	1.380	ACRES	Aquatic Life Integrity	pH	3-ND	11/21/2007	114 ACID PONDS	33879	Non-ORW
2020/2022	NHLAK700020101-08	BACK BAY	WOLFEBORO	34.927	ACRES	Aquatic Life Integrity	Non-Native Aquatic Plants	4C-M				Non-ORW
2020/2022	NHLAK700020102-02	DOWNING POND	NEW DURHAM	53.607	ACRES	Primary Contact Recreation	Cyanobacteria hepatotoxic microcystins	5-M				Non-ORW
2020/2022	NHLAK700020102-03	MERRYMEETING LAKE	NEW DURHAM	1229.874	ACRES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHLAK700020102-04	MILL POND	ALTON	26.550	ACRES	Primary Contact Recreation	Cyanobacteria hepatotoxic microcystins	5-M				Non-ORW
2020/2022	NHLAK700020103-02	DINSMORE POND	SANDWICH	50.231	ACRES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHLAK700020103-03	GARLAND POND	MOULTONBOROUGH	101.630	ACRES	Aquatic Life Integrity	Chlorophyll-a	5-M				Non-ORW
2020/2022	NHLAK700020103-03	GARLAND POND	MOULTONBOROUGH	101.630	ACRES	Aquatic Life Integrity	Dissolved oxygen saturation	5-M				Non-ORW
2020/2022	NHLAK700020103-03	GARLAND POND	MOULTONBOROUGH	101.630	ACRES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHLAK700020103-03	GARLAND POND	MOULTONBOROUGH	101.630	ACRES	Aquatic Life Integrity	Phosphorus (Total)	5-M				Non-ORW
2020/2022	NHLAK700020103-04	MEADOW BROOK POND	MOULTONBOROUGH	37.823	ACRES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHLAK700020103-05	LEES POND	MOULTONBOROUGH	153.128	ACRES	Aquatic Life Integrity	Non-Native Aquatic Plants	4C-M				Non-ORW
2020/2022	NHLAK700020103-05	LEES POND	MOULTONBOROUGH	153.128	ACRES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHLAK700020103-09	PICKERING POND	MOULTONBOROUGH	22.057	ACRES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHLAK700020106-02-01	MIRROR LAKE	TUFTONBORO, WOLFEBORO	331.975	ACRES	Aquatic Life Integrity	pH	5-P				Non-ORW
2020/2022	NHLAK700020106-02-01	MIRROR LAKE	TUFTONBORO, WOLFEBORO	331.975	ACRES	Primary Contact Recreation	Cyanobacteria hepatotoxic microcystins	5-M				Non-ORW
2020/2022	NHLAK700020106-02-02	MIRROR LAKE - MIRROR LAKE BEACH	TUFTONBORO	1.280	ACRES	Primary Contact Recreation	Cyanobacteria hepatotoxic microcystins	5-M				Non-ORW
2020/2022	NHLAK700020106-02-02	MIRROR LAKE - MIRROR LAKE BEACH	TUFTONBORO	1.280	ACRES	Primary Contact Recreation	Escherichia coli	2-M	9/21/2010	NEW HAMPSHIRE STATEWIDE BACTERIA	39276	Non-ORW
2020/2022	NHLAK700020108-01	BEAR POND	CENTER HARBOR	12.957	ACRES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHLAK700020108-02-01	LAKE WAUKEWAN	MEREDITH, CENTER HARBOR, NEW HAMPTON	925.270	ACRES	Aquatic Life Integrity	Dissolved oxygen saturation	5-M				Non-ORW
2020/2022	NHLAK700020108-02-01	LAKE WAUKEWAN	MEREDITH, CENTER HARBOR, NEW HAMPTON	925.270	ACRES	Aquatic Life Integrity	Oxygen, Dissolved	5-P				Non-ORW
2020/2022	NHLAK700020108-02-01	LAKE WAUKEWAN	MEREDITH, CENTER HARBOR, NEW HAMPTON	925.270	ACRES	Aquatic Life Integrity	pH	4A-M	9/20/2007	158 ACID PONDS	33878	Non-ORW
2020/2022	NHLAK700020108-02-01	LAKE WAUKEWAN	MEREDITH, CENTER HARBOR, NEW HAMPTON	925.270	ACRES	Primary Contact Recreation	Cyanobacteria hepatotoxic microcystins	5-M				Non-ORW
2020/2022	NHLAK700020108-02-02	LAKE WINONA	CENTER HARBOR, NEW HAMPTON	147.544	ACRES	Aquatic Life Integrity	Dissolved oxygen saturation	5-M				Non-ORW
2020/2022	NHLAK700020108-02-02	LAKE WINONA	CENTER HARBOR, NEW HAMPTON	147.544	ACRES	Aquatic Life Integrity	Oxygen, Dissolved	5-P				Non-ORW
2020/2022	NHLAK700020108-02-02	LAKE WINONA	CENTER HARBOR, NEW HAMPTON	147.544	ACRES	Aquatic Life Integrity	pH	4A-M	9/20/2007	158 ACID PONDS	33878	Non-ORW
2020/2022	NHLAK700020108-02-02	LAKE WINONA	CENTER HARBOR, NEW HAMPTON	147.544	ACRES	Primary Contact Recreation	Cyanobacteria hepatotoxic microcystins	5-M				Non-ORW
2020/2022	NHLAK700020108-02-03	LAKE WAUKEWAN - TOWN BEACH	MEREDITH	0.679	ACRES	Aquatic Life Integrity	pH	3-ND	11/21/2007	114 ACID PONDS	33879	Non-ORW
2020/2022	NHLAK700020108-04	HAWKINS POND	CENTER HARBOR	91.120	ACRES	Aquatic Life Integrity	Oxygen, Dissolved	5-P				Non-ORW
2020/2022	NHLAK700020108-04	HAWKINS POND	CENTER HARBOR	91.120	ACRES	Aquatic Life Integrity	pH	4A-M	9/20/2007	158 ACID PONDS	33878	Non-ORW
2020/2022	NHLAK700020110-02-01	PAUGUS BAY	LACONIA	1223.727	ACRES	Aquatic Life Integrity	Non-Native Aquatic Plants	4C-M				Non-ORW
2020/2022	NHLAK700020110-02-01	PAUGUS BAY	LACONIA	1223.727	ACRES	Aquatic Life Integrity	pH	4A-M	9/20/2007	158 ACID PONDS	33878	Non-ORW
2020/2022	NHLAK700020110-02-01	PAUGUS BAY	LACONIA	1223.727	ACRES	Primary Contact Recreation	Cyanobacteria hepatotoxic microcystins	5-M				Non-ORW
2020/2022	NHLAK700020110-02-04	LAKE WINNIPESAUKEE - MELVIN VILLAGE LAKE TOWN PIER BEACH	TUFTONBORO	1.280	ACRES	Aquatic Life Integrity	pH	3-ND	11/21/2007	114 ACID PONDS	33879	Non-ORW
2020/2022	NHLAK700020110-02-04	LAKE WINNIPESAUKEE - MELVIN VILLAGE LAKE TOWN PIER BEACH	TUFTONBORO	1.280	ACRES	Primary Contact Recreation	Escherichia coli	4A-P	9/21/2010	NEW HAMPSHIRE STATEWIDE BACTERIA	39276	Non-ORW
2020/2022	NHLAK700020110-02-05	LAKE WINNIPESAUKEE - MOULTONBOROUGH TOWN BEACH	MOULTONBOROUGH	2.230	ACRES	Aquatic Life Integrity	pH	3-ND	11/21/2007	114 ACID PONDS	33879	Non-ORW
2020/2022	NHLAK700020110-02-07	LAKE WINNIPESAUKEE - PUBLIC BEACH	TUFTONBORO	1.867	ACRES	Aquatic Life Integrity	pH	3-ND	11/21/2007	114 ACID PONDS	33879	Non-ORW
2020/2022	NHLAK700020110-02-07	LAKE WINNIPESAUKEE - PUBLIC BEACH	TUFTONBORO	1.867	ACRES	Primary Contact Recreation	Escherichia coli	4A-P	9/21/2010	NEW HAMPSHIRE STATEWIDE BACTERIA	39276	Non-ORW
2020/2022	NHLAK700020110-02-08	LAKE WINNIPESAUKEE - CARRY BEACH	WOLFEBORO	1.285	ACRES	Aquatic Life Integrity	pH	3-ND	11/21/2007	114 ACID PONDS	33879	Non-ORW
2020/2022	NHLAK700020110-02-09	LAKE WINNIPESAUKEE - BREWSTER BEACH	WOLFEBORO, GILFORD	0.897	ACRES	Aquatic Life Integrity	pH	3-ND	11/21/2007	114 ACID PONDS	33879	Non-ORW
2020/2022	NHLAK700020110-02-09	LAKE WINNIPESAUKEE - BREWSTER BEACH	WOLFEBORO, GILFORD	0.897	ACRES	Primary Contact Recreation	Escherichia coli	4A-P	9/21/2010	NEW HAMPSHIRE STATEWIDE BACTERIA	39275	Non-ORW
2020/2022	NHLAK700020110-02-10	LAKE WINNIPESAUKEE - ALTON BAY TOWN BEACH	ALTON	1.164	ACRES	Aquatic Life Integrity	pH	3-ND	11/21/2007	114 ACID PONDS	33879	Non-ORW
2020/2022	NHLAK700020110-02-10	LAKE WINNIPESAUKEE - ALTON BAY TOWN BEACH	ALTON	1.164	ACRES	Primary Contact Recreation	Escherichia coli	4A-P	9/21/2010	NEW HAMPSHIRE STATEWIDE BACTERIA	39276	Non-ORW
2020/2022	NHLAK700020110-02-11	LAKE WINNIPESAUKEE - PUBLIC DOCK TOWN BEACH	ALTON	0.970	ACRES	Aquatic Life Integrity	pH	3-ND	11/21/2007	114 ACID PONDS	33879	Non-ORW
2020/2022	NHLAK700020110-02-11	LAKE WINNIPESAUKEE - PUBLIC DOCK TOWN BEACH	ALTON	0.970	ACRES	Primary Contact Recreation	Escherichia coli	2-M	9/21/2010	NEW HAMPSHIRE STATEWIDE BACTERIA	39276	Non-ORW
2020/2022	NHLAK700020110-02-12	LAKE WINNIPESAUKEE - ELACOYA STATE PARK BEACH	GILFORD	3.200	ACRES	Aquatic Life Integrity	pH	3-ND	11/21/2007	114 ACID PONDS	33879	Non-ORW
2020/2022	NHLAK700020110-02-12	LAKE WINNIPESAUKEE - ELACOYA STATE PARK BEACH	GILFORD	3.200	ACRES	Primary Contact Recreation	Escherichia coli	4A-P	9/21/2010	NEW HAMPSHIRE STATEWIDE BACTERIA	39275	Non-ORW
2020/2022	NHLAK700020110-02-13	LAKE WINNIPESAUKEE - GILFORD TOWN BEACH	GILFORD	4.267	ACRES	Aquatic Life Integrity	pH	3-ND	11/21/2007	114 ACID PONDS	33879	Non-ORW
2020/2022	NHLAK700020110-02-13	LAKE WINNIPESAUKEE - GILFORD TOWN BEACH	GILFORD	4.267	ACRES	Primary Contact Recreation	Escherichia coli	4A-P	9/21/2010	NEW HAMPSHIRE STATEWIDE BACTERIA	39275	Non-ORW
2020/2022	NHLAK700020110-02-14	LAKE WINNIPESAUKEE - ENDICOTT PARK WEIRS BEACH	LACONIA	2.545	ACRES	Aquatic Life Integrity	pH	3-ND	11/21/2007	114 ACID PONDS	33879	Non-ORW
2020/2022	NHLAK700020110-02-14	LAKE WINNIPESAUKEE - ENDICOTT PARK WEIRS BEACH	LACONIA	2.545	ACRES	Primary Contact Recreation	Escherichia coli	4A-P	9/21/2010	NEW HAMPSHIRE STATEWIDE BACTERIA	39275	Non-ORW
2020/2022	NHLAK700020110-02-15	LAKE WINNIPESAUKEE - LEAVITT PARK BEACH	MEREDITH	0.970	ACRES	Aquatic Life Integrity	pH	3-ND	11/21/2007	114 ACID PONDS	33879	Non-ORW
2020/2022	NHLAK700020110-02-16	LAKE WINNIPESAUKEE - TOWN BEACH (CENTER HARBOR)	CENTER HARBOR	0.655	ACRES	Aquatic Life Integrity	pH	3-ND	11/21/2007	114 ACID PONDS	33879	Non-ORW
2020/2022	NHLAK700020110-02-17	LAKE WINNIPESAUKEE - STATES LANDING TOWN BEACH	MOULTONBOROUGH	0.533	ACRES	Aquatic Life Integrity	pH	3-ND	11/21/2007	114 ACID PONDS	33879	Non-ORW
2020/2022	NHLAK700020110-02-17	LAKE WINNIPESAUKEE - STATES LANDING TOWN BEACH	MOULTONBOROUGH	0.533	ACRES	Primary Contact Recreation	Escherichia coli	2-G	9/21/2010	NEW HAMPSHIRE STATEWIDE BACTERIA	39275	Non-ORW
2020/2022	NHLAK700020110-02-19	LAKE WINNIPESAUKEE	ALTON, CENTER HARBOR, GILFORD, LACONIA, MEREDITH, MOULTONBOROUGH, TUFTONBORO, WOLFEBORO	44315.144	ACRES	Aquatic Life Integrity	Non-Native Aquatic Plants	4C-M				Non-ORW

2020/2022	NHLAK700020110-02-19	LAKE WINNIPESAUKEE	ALTON, CENTER HARBOR, GILFORD, LACONIA, MEREDITH, MOULTONBOROUGH, TUFTONBORO, WOLFEBORO	44315.144	ACRES	Aquatic Life Integrity	pH	4A-M	9/20/2007	158 ACID PONDS	33878	Non-ORW
2020/2022	NHLAK700020110-02-20	LAKE WINNIPESAUKEE - CAMP ALTON BEACH	ALTON	1.380	ACRES	Aquatic Life Integrity	pH	3-ND	11/21/2007	114 ACID PONDS	33879	Non-ORW
2020/2022	NHLAK700020110-02-21	LAKE WINNIPESAUKEE - BROOKWOOD/DEER RUN BEACH	ALTON	1.380	ACRES	Aquatic Life Integrity	pH	3-ND	11/21/2007	114 ACID PONDS	33879	Non-ORW
2020/2022	NHLAK700020110-02-22	LAKE WINNIPESAUKEE - CAMP KABEYUN BEACH	ALTON	1.380	ACRES	Aquatic Life Integrity	pH	3-ND	11/21/2007	114 ACID PONDS	33879	Non-ORW
2020/2022	NHLAK700020110-02-23	LAKE WINNIPESAUKEE - CAMP LAWRENCE BEACH	MEREDITH	1.380	ACRES	Aquatic Life Integrity	pH	3-ND	11/21/2007	114 ACID PONDS	33879	Non-ORW
2020/2022	NHLAK700020110-02-24	LAKE WINNIPESAUKEE - CAMP MENOTOMY BEACH	MEREDITH	1.380	ACRES	Aquatic Life Integrity	pH	3-ND	11/21/2007	114 ACID PONDS	33879	Non-ORW
2020/2022	NHLAK700020110-02-25	LAKE WINNIPESAUKEE - CAMP NOKOMIS BEACH	MEREDITH	1.380	ACRES	Aquatic Life Integrity	pH	3-ND	11/21/2007	114 ACID PONDS	33879	Non-ORW
2020/2022	NHLAK700020110-02-26	LAKE WINNIPESAUKEE - GENEVA POINT CENTER BEACH	MOULTONBOROUGH	1.380	ACRES	Aquatic Life Integrity	pH	3-ND	11/21/2007	114 ACID PONDS	33879	Non-ORW
2020/2022	NHLAK700020110-02-27	LAKE WINNIPESAUKEE - WINAUKEE ISLAND CAMP BEACH	MOULTONBOROUGH	1.380	ACRES	Aquatic Life Integrity	pH	3-ND	11/21/2007	114 ACID PONDS	33879	Non-ORW
2020/2022	NHLAK700020110-02-28	LAKE WINNIPESAUKEE - CAMP ROBINDEL FOR GIRLS BEACH	MOULTONBOROUGH	1.380	ACRES	Aquatic Life Integrity	pH	3-ND	11/21/2007	114 ACID PONDS	33879	Non-ORW
2020/2022	NHLAK700020110-02-29	LAKE WINNIPESAUKEE - CAMP TECUMSEH BEACH	MOULTONBOROUGH	1.380	ACRES	Aquatic Life Integrity	pH	3-ND	11/21/2007	114 ACID PONDS	33879	Non-ORW
2020/2022	NHLAK700020110-02-30	LAKE WINNIPESAUKEE - CAMP WINAUKEE BEACH	MOULTONBOROUGH	1.380	ACRES	Aquatic Life Integrity	pH	3-ND	11/21/2007	114 ACID PONDS	33879	Non-ORW
2020/2022	NHLAK700020110-02-31	LAKE WINNIPESAUKEE - CAMP BELKNAP BEACH	TUFTONBORO	1.380	ACRES	Aquatic Life Integrity	pH	3-ND	11/21/2007	114 ACID PONDS	33879	Non-ORW
2020/2022	NHLAK700020110-02-32	LAKE WINNIPESAUKEE - CAMP NORTH WOODS BEACH	TUFTONBORO	1.380	ACRES	Aquatic Life Integrity	pH	3-ND	11/21/2007	114 ACID PONDS	33879	Non-ORW
2020/2022	NHLAK700020110-02-33	LAKE WINNIPESAUKEE - CAMP SANDY ISLAND BEACH	TUFTONBORO	1.380	ACRES	Aquatic Life Integrity	pH	3-ND	11/21/2007	114 ACID PONDS	33879	Non-ORW
2020/2022	NHLAK700020110-02-34	LAKE WINNIPESAUKEE - CAMP DEWITT BEACH	ALTON	1.380	ACRES	Aquatic Life Integrity	pH	3-ND	11/21/2007	114 ACID PONDS	33879	Non-ORW
2020/2022	NHLAK700020110-02-35	LAKE WINNIPESAUKEE - WANAKEE UNITED METHODIST CHURCH BEACH	MEREDITH	1.380	ACRES	Aquatic Life Integrity	pH	3-ND	11/21/2007	114 ACID PONDS	33879	Non-ORW
2020/2022	NHLAK700020110-02-37	LAKE WINNIPESAUKEE - WAWBEEK CONDO ASSOC BEACH	TUFTONBORO	1.540	ACRES	Aquatic Life Integrity	pH	3-ND	9/20/2007	158 ACID PONDS	33878	Non-ORW
2020/2022	NHLAK700020110-02-39	LAKE WINNIPESAUKEE - ELLACOYA RV PARK BEACH	GILFORD	0.620	ACRES	Primary Contact Recreation	Escherichia coli	4A-P	9/30/2013	44 Bacteria Impaired Waters	55222	Non-ORW
2020/2022	NHLAK700020110-05	SALTMARSH POND	GILFORD	39.506	ACRES	Aquatic Life Integrity	pH	4A-M	9/20/2007	158 ACID PONDS	33878	Non-ORW
2020/2022	NHLAK700020110-06	INLET TO PAUGUS BAY THROUGH SOUTH DOWN	LACONIA	1.041	ACRES	Aquatic Life Integrity	Dissolved oxygen saturation	5-M				Non-ORW
2020/2022	NHLAK700020110-06	INLET TO PAUGUS BAY THROUGH SOUTH DOWN	LACONIA	1.041	ACRES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHLAK700020201-02	HUNKINS POND	SANBORNTON	16.362	ACRES	Aquatic Life Integrity	Chlorophyll-a	4A-P	5/12/2011	HUNKINS POND	40290	Non-ORW
2020/2022	NHLAK700020201-02	HUNKINS POND	SANBORNTON	16.362	ACRES	Aquatic Life Integrity	Dissolved oxygen saturation	4A-M	5/12/2011	HUNKINS POND	40290	Non-ORW
2020/2022	NHLAK700020201-02	HUNKINS POND	SANBORNTON	16.362	ACRES	Aquatic Life Integrity	pH	5-P				Non-ORW
2020/2022	NHLAK700020201-02	HUNKINS POND	SANBORNTON	16.362	ACRES	Aquatic Life Integrity	Phosphorus (Total)	4A-M	5/12/2011	HUNKINS POND	40290	Non-ORW
2020/2022	NHLAK700020201-02	HUNKINS POND	SANBORNTON	16.362	ACRES	Primary Contact Recreation	Chlorophyll-a	4A-P	5/12/2011	HUNKINS POND	40290	Non-ORW
2020/2022	NHLAK700020201-02	HUNKINS POND	SANBORNTON	16.362	ACRES	Primary Contact Recreation	Cyanobacteria hepatotoxic microcystins	4A-M	5/12/2011	HUNKINS POND	40290	Non-ORW
2020/2022	NHLAK700020201-02	HUNKINS POND	SANBORNTON	16.362	ACRES	Primary Contact Recreation	Escherichia coli	4A-P	9/21/2010	NEW HAMPSHIRE STATEWIDE BACTERIA	39273	Non-ORW
2020/2022	NHLAK700020201-04	WICWAS LAKE	MEREDITH	349.221	ACRES	Aquatic Life Integrity	Dissolved oxygen saturation	5-M				Non-ORW
2020/2022	NHLAK700020201-04	WICWAS LAKE	MEREDITH	349.221	ACRES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHLAK700020201-05-01	LAKE WINNISQUAM	LACONIA, BELMONT, MEREDITH, SANBORNTON, TILTON	4203.190	ACRES	Aquatic Life Integrity	Non-Native Aquatic Plants	4C-M				Non-ORW
2020/2022	NHLAK700020201-05-01	LAKE WINNISQUAM	LACONIA, BELMONT, MEREDITH, SANBORNTON, TILTON	4203.190	ACRES	Aquatic Life Integrity	pH	4A-M	9/20/2007	158 ACID PONDS	33878	Non-ORW
2020/2022	NHLAK700020201-05-01	LAKE WINNISQUAM	LACONIA, BELMONT, MEREDITH, SANBORNTON, TILTON	4203.190	ACRES	Aquatic Life Integrity	Turbidity	5-M				Non-ORW
2020/2022	NHLAK700020201-05-02	LAKE WINNISQUAM - SANBORNTON TOWN BEACH	SANBORNTON	0.436	ACRES	Aquatic Life Integrity	pH	3-ND	11/21/2007	114 ACID PONDS	33879	Non-ORW
2020/2022	NHLAK700020201-05-02	LAKE WINNISQUAM - SANBORNTON TOWN BEACH	SANBORNTON	0.436	ACRES	Primary Contact Recreation	Escherichia coli	4A-P	9/30/2013	44 Bacteria Impaired Waters	55222	Non-ORW
2020/2022	NHLAK700020201-05-03	LAKE WINNISQUAM - BARTLETTS BEACH	LACONIA	1.285	ACRES	Aquatic Life Integrity	pH	3-ND	11/21/2007	114 ACID PONDS	33879	Non-ORW
2020/2022	NHLAK700020201-05-03	LAKE WINNISQUAM - BARTLETTS BEACH	LACONIA	1.285	ACRES	Primary Contact Recreation	Escherichia coli	4A-P	9/21/2010	NEW HAMPSHIRE STATEWIDE BACTERIA	39275	Non-ORW
2020/2022	NHLAK700020201-05-04	LAKE WINNISQUAM - BELMONT TOWN BEACH	BELMONT	1.280	ACRES	Aquatic Life Integrity	pH	3-ND	11/21/2007	114 ACID PONDS	33879	Non-ORW
2020/2022	NHLAK700020201-05-05	LAKE WINNISQUAM - AHERN STATE PARK	LACONIA	1.380	ACRES	Aquatic Life Integrity	pH	3-ND	11/21/2007	114 ACID PONDS	33879	Non-ORW
2020/2022	NHLAK700020201-05-05	LAKE WINNISQUAM - AHERN STATE PARK	LACONIA	1.380	ACRES	Primary Contact Recreation	Escherichia coli	4A-P	9/21/2010	NEW HAMPSHIRE STATEWIDE BACTERIA	39275	Non-ORW
2020/2022	NHLAK700020201-06-01	OPECHEE BAY	LACONIA	447.766	ACRES	Aquatic Life Integrity	Non-Native Aquatic Plants	4C-M				Non-ORW
2020/2022	NHLAK700020201-06-02	OPECHEE BAY - BOND BEACH	LACONIA	0.436	ACRES	Primary Contact Recreation	Escherichia coli	5-P				Non-ORW
2020/2022	NHLAK700020201-06-03	OPECHEE BAY - OPECHEE POINT BEACH	LACONIA	0.655	ACRES	Primary Contact Recreation	Escherichia coli	4A-P	9/21/2010	NEW HAMPSHIRE STATEWIDE BACTERIA	39275	Non-ORW
2020/2022	NHLAK700020201-06-04	OPECHEE BAY - OPECHEE PARK COVE BEACH	LACONIA	1.067	ACRES	Primary Contact Recreation	Escherichia coli	4A-P	9/21/2010	NEW HAMPSHIRE STATEWIDE BACTERIA	39275	Non-ORW
2020/2022	NHLAK700020201-07	RAILROAD POND	BELMONT	0.699	ACRES	Aquatic Life Integrity	Sedimentation/Siltation	5-P				Non-ORW
2020/2022	NHLAK700020201-07	RAILROAD POND	BELMONT	0.699	ACRES	Aquatic Life Integrity	Turbidity	5-P				Non-ORW
2020/2022	NHLAK700020201-08	SUNRAY SHORES COVE	BELMONT	10.748	ACRES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHLAK700020202-03	POUT POND	BELMONT	12.366	ACRES	Aquatic Life Integrity	pH	4A-M	9/20/2007	158 ACID PONDS	33878	Non-ORW
2020/2022	NHLAK700020202-04	SARGENT LAKE	BELMONT	42.972	ACRES	Aquatic Life Integrity	pH	4A-M	9/20/2007	158 ACID PONDS	33878	Non-ORW
2020/2022	NHLAK700020203-01	SILVER LAKE	TILTON, BELMONT, NORTHFIELD	201.543	ACRES	Aquatic Life Integrity	Non-Native Aquatic Plants	4C-M				Non-ORW
2020/2022	NHLAK700030101-02	CHESHIRE POND	JAFFREY	37.689	ACRES	Aquatic Life Integrity	Dissolved oxygen saturation	5-M				Non-ORW
2020/2022	NHLAK700030101-02	CHESHIRE POND	JAFFREY	37.689	ACRES	Aquatic Life Integrity	Non-Native Aquatic Plants	4C-P				Non-ORW
2020/2022	NHLAK700030101-02	CHESHIRE POND	JAFFREY	37.689	ACRES	Aquatic Life Integrity	Oxygen, Dissolved	5-P				Non-ORW
2020/2022	NHLAK700030101-02	CHESHIRE POND	JAFFREY	37.689	ACRES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHLAK700030101-03-01	CONTOOCOOK LAKE	JAFFREY, RINDGE	227.055	ACRES	Aquatic Life Integrity	Non-Native Aquatic Plants	4C-M				Non-ORW
2020/2022	NHLAK700030101-03-01	CONTOOCOOK LAKE	JAFFREY, RINDGE	227.055	ACRES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHLAK700030101-03-02	CONTOOCOOK LAKE - TOWN BEACH	JAFFREY	1.280	ACRES	Primary Contact Recreation	Escherichia coli	2-M	9/21/2010	NEW HAMPSHIRE STATEWIDE BACTERIA	29275	Non-ORW
2020/2022	NHLAK700030101-04	CUMMINGS MEADOW	JAFFREY	47.401	ACRES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHLAK700030101-05	GILMORE POND	JAFFREY	124.575	ACRES	Aquatic Life Integrity	pH	4A-M	9/24/2004	GILMORE POND	11483	Non-ORW
2020/2022	NHLAK700030101-07	PARKER POND	JAFFREY	23.171	ACRES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHLAK700030101-08	GRASSY POND	RINDGE	127.485	ACRES	Aquatic Life Integrity	pH	4A-M	9/20/2007	158 ACID PONDS	33878	Non-ORW
2020/2022	NHLAK700030101-12	POOL POND	RINDGE	140.956	ACRES	Aquatic Life Integrity	Dissolved oxygen saturation	5-M				Non-ORW
2020/2022	NHLAK700030101-12	POOL POND	RINDGE	140.956	ACRES	Aquatic Life Integrity	pH	4A-M	9/20/2007	158 ACID PONDS	33878	Non-ORW
2020/2022	NHLAK700030101-13	BULLET POND	RINDGE	34.369	ACRES	Aquatic Life Integrity	pH	4A-M	9/20/2007	158 ACID PONDS	33878	Non-ORW
2020/2022	NHLAK700030102-01-01	THORNDIKE POND	JAFFREY, DUBLIN	251.177	ACRES	Aquatic Life Integrity	Chlorophyll-a	5-M				Non-ORW
2020/2022	NHLAK700030102-01-01	THORNDIKE POND	JAFFREY, DUBLIN	251.177	ACRES	Aquatic Life Integrity	pH	4A-M	10/14/2004	THORNDIKE POND	11458	Non-ORW
2020/2022	NHLAK700030102-01-01	THORNDIKE POND	JAFFREY, DUBLIN	251.177	ACRES	Aquatic Life Integrity	Phosphorus (Total)	5-M				Non-ORW
2020/2022	NHLAK700030102-01-02	THORNDIKE POND - TOWN BEACH	JAFFREY	0.436	ACRES	Aquatic Life Integrity	pH	3-ND	9/14/2006	THORNDIKE POND TOWN BEACH	30636	Non-ORW
2020/2022	NHLAK700030102-01-02	THORNDIKE POND - TOWN BEACH	JAFFREY	0.436	ACRES	Primary Contact Recreation	Escherichia coli	4A-M	8/29/2011	58 NH BACTERIA IMPAIRED WATERS	40666	Non-ORW
2020/2022	NHLAK700030102-01-03	THORNDIKE POND - CAMP WA-KLO BEACH	JAFFREY	1.380	ACRES	Aquatic Life Integrity	pH	3-ND	11/30/2005	CAMP WA-KLO BEACH	22530	Non-ORW
2020/2022	NHLAK700030102-01-04	THORNDIKE POND - CAMP WANOCKSETT BEACH	JAFFREY	1.380	ACRES	Aquatic Life Integrity	pH	3-ND	11/30/2005	CAMP WANOCKSETT	22531	Non-ORW
2020/2022	NHLAK700030102-02	FROST POND	JAFFREY, DUBLIN	61.803	ACRES	Aquatic Life Integrity	pH	4A-M	9/24/2004	FROST POND	11482	Non-ORW
2020/2022	NHLAK700030102-05	MUD POND	DUBLIN	61.337	ACRES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHLAK700030103-01	BEAVER POND	HARRISVILLE	16.006	ACRES	Aquatic Life Integrity	Oxygen, Dissolved	5-P				Non-ORW
2020/2022	NHLAK700030103-02	TOLMAN POND	NELSON	39.330	ACRES	Aquatic Life Integrity	pH	4A-M	9/20/2007	158 ACID PONDS	33878	Non-ORW
2020/2022	NHLAK700030103-03	JUGGERNAUT POND	HANCOCK	17.345	ACRES	Aquatic Life Integrity	pH	4A-P	9/20/2007	158 ACID PONDS	33878	Non-ORW
2020/2022	NHLAK700030103-05-01	HARRISVILLE POND	HARRISVILLE	138.143	ACRES	Aquatic Life Integrity	pH	4A-P	9/24/2004	HARRISVILLE POND	11490	Non-ORW
2020/2022	NHLAK700030103-05-02	HARRISVILLE LAKE - SUNSET TOWN BEACH	HARRISVILLE	0.412	ACRES	Aquatic Life Integrity	pH	4A-M	9/14/2006	SUNSET TOWN BEACH	30661	Non-ORW
2020/2022	NHLAK700030103-06-02	MACDOWELL RESERVOIR - MACDOWELL RESERVOIR BEACH	PETERBOROUGH	1.380	ACRES	Primary Contact Recreation	Escherichia coli	4A-M	8/29/2011	58 NH BACTERIA IMPAIRED WATERS	40666	Non-ORW

2020/2022	NHLAK700030103-07	NUBANUSIT LAKE	HANCOCK, NELSON	715.938	ACRES	Aquatic Life Integrity	pH	4A-M	10/14/2004	NUBANUSIT LAKE	11439	Non-ORW
2020/2022	NHLAK700030103-08	LAKE SKATUTAKEE	HARRISVILLE, HANCOCK	235.167	ACRES	Aquatic Life Integrity	pH	4A-M	10/14/2004	SKATUTAKEE LAKE	11451	Non-ORW
2020/2022	NHLAK700030103-09	SPOONWOOD LAKE	NELSON	158.211	ACRES	Aquatic Life Integrity	pH	4A-M	9/20/2007	158 ACID PONDS	33878	Non-ORW
2020/2022	NHLAK700030103-10	DINSMORE POND	HARRISVILLE, PETERBOROUGH	14.703	ACRES	Aquatic Life Integrity	pH	4A-M	9/20/2007	158 ACID PONDS	33878	Non-ORW
2020/2022	NHLAK700030105-01-01	ZEPHYR LAKE	GREENFIELD	34.709	ACRES	Aquatic Life Integrity	Chlorophyll-a	5-M				Non-ORW
2020/2022	NHLAK700030105-01-01	ZEPHYR LAKE	GREENFIELD	34.709	ACRES	Aquatic Life Integrity	pH	4A-M	9/20/2007	158 ACID PONDS	33878	Non-ORW
2020/2022	NHLAK700030105-01-01	ZEPHYR LAKE	GREENFIELD	34.709	ACRES	Aquatic Life Integrity	Phosphorus (Total)	5-M				Non-ORW
2020/2022	NHLAK700030105-01-02	ZEPHYR LAKE - TOWN BEACH	GREENFIELD	0.267	ACRES	Aquatic Life Integrity	pH	4A-M	11/21/2007	114 ACID PONDS	33879	Non-ORW
2020/2022	NHLAK700030105-01-02	ZEPHYR LAKE - TOWN BEACH	GREENFIELD	0.267	ACRES	Primary Contact Recreation	Escherichia coli	4A-P	9/21/2010	NEW HAMPSHIRE STATEWIDE BACTERIA	39276	Non-ORW
2020/2022	NHLAK700030105-02-01	OTTER LAKE	GREENFIELD	135.125	ACRES	Aquatic Life Integrity	Non-Native Aquatic Plants	4C-M				Non-ORW
2020/2022	NHLAK700030105-02-01	OTTER LAKE	GREENFIELD	135.125	ACRES	Aquatic Life Integrity	pH	4A-M	9/20/2007	158 ACID PONDS	33878	Non-ORW
2020/2022	NHLAK700030105-02-03	OTTER LAKE - GREENFIELD SP PICNIC BEACH	GREENFIELD	1.552	ACRES	Aquatic Life Integrity	pH	3-ND	11/21/2007	114 ACID PONDS	33879	Non-ORW
2020/2022	NHLAK700030105-02-03	OTTER LAKE - GREENFIELD SP PICNIC BEACH	GREENFIELD	1.552	ACRES	Primary Contact Recreation	Escherichia coli	4A-P	9/21/2010	NEW HAMPSHIRE STATEWIDE BACTERIA	39276	Non-ORW
2020/2022	NHLAK700030105-02-04	OTTER LAKE - GREENFIELD SP MIDDLE BEACH	GREENFIELD	1.067	ACRES	Aquatic Life Integrity	pH	3-ND	11/21/2007	114 ACID PONDS	33879	Non-ORW
2020/2022	NHLAK700030105-02-04	OTTER LAKE - GREENFIELD SP MIDDLE BEACH	GREENFIELD	1.067	ACRES	Primary Contact Recreation	Escherichia coli	4A-P	9/21/2010	NEW HAMPSHIRE STATEWIDE BACTERIA	39276	Non-ORW
2020/2022	NHLAK700030105-02-05	OTTER LAKE - GREENFIELD SP CAMPING BEACH	GREENFIELD	1.988	ACRES	Aquatic Life Integrity	pH	3-ND	11/21/2007	114 ACID PONDS	33879	Non-ORW
2020/2022	NHLAK700030105-02-05	OTTER LAKE - GREENFIELD SP CAMPING BEACH	GREENFIELD	1.988	ACRES	Primary Contact Recreation	Escherichia coli	4A-P	8/29/2011	58 NH BACTERIA IMPAIRED WATERS	40666	Non-ORW
2020/2022	NHLAK700030105-02-06	OTTER LAKE - CAMP UNION BEACH	GREENFIELD	1.380	ACRES	Aquatic Life Integrity	pH	3-ND	11/21/2007	114 ACID PONDS	33879	Non-ORW
2020/2022	NHLAK700030105-02-07	OTTER LAKE - GREENFIELD SP BEACH	GREENFIELD	1.380	ACRES	Aquatic Life Integrity	pH	3-ND	11/21/2007	114 ACID PONDS	33879	Non-ORW
2020/2022	NHLAK700030105-03-01	SUNSET LAKE	GREENFIELD	32.597	ACRES	Aquatic Life Integrity	pH	4A-M	9/20/2007	158 ACID PONDS	33878	Non-ORW
2020/2022	NHLAK700030105-03-02	SUNSET LAKE - TOWN BEACH	GREENFIELD	0.533	ACRES	Aquatic Life Integrity	pH	3-ND	11/21/2007	114 ACID PONDS	33879	Non-ORW
2020/2022	NHLAK700030105-03-03	SUNSET LAKE - NASHUA FRESH AIR CAMP BEACH	GREENFIELD	1.380	ACRES	Aquatic Life Integrity	pH	3-ND	11/21/2007	114 ACID PONDS	33879	Non-ORW
2020/2022	NHLAK700030106-01	HUNTS POND	HANCOCK	49.521	ACRES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHLAK700030107-01	WILLARD POND	ANTRIM	110.123	ACRES	Aquatic Life Integrity	pH	4A-M	9/20/2007	158 ACID PONDS	33878	Non-ORW
2020/2022	NHLAK700030107-02-01	NORWAY POND	HANCOCK	39.479	ACRES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHLAK700030107-02-02	NORWAY POND - TOWN BEACH	HANCOCK	1.139	ACRES	Primary Contact Recreation	Escherichia coli	2-G	9/21/2010	NEW HAMPSHIRE STATEWIDE BACTERIA	39276	Non-ORW
2020/2022	NHLAK700030107-03	POWDER MILL POND	HANCOCK, BENNINGTON, GREENFIELD	418.136	ACRES	Aquatic Life Integrity	Aluminum	5-M				Non-ORW
2020/2022	NHLAK700030107-03	POWDER MILL POND	HANCOCK, BENNINGTON, GREENFIELD	418.136	ACRES	Aquatic Life Integrity	Dissolved oxygen saturation	5-M				Non-ORW
2020/2022	NHLAK700030107-03	POWDER MILL POND	HANCOCK, BENNINGTON, GREENFIELD	418.136	ACRES	Aquatic Life Integrity	Non-Native Aquatic Plants	4C-P				Non-ORW
2020/2022	NHLAK700030107-03	POWDER MILL POND	HANCOCK, BENNINGTON, GREENFIELD	418.136	ACRES	Aquatic Life Integrity	Oxygen, Dissolved	5-M				Non-ORW
2020/2022	NHLAK700030107-03	POWDER MILL POND	HANCOCK, BENNINGTON, GREENFIELD	418.136	ACRES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHLAK700030107-03	POWDER MILL POND	HANCOCK, BENNINGTON, GREENFIELD	418.136	ACRES	Primary Contact Recreation	Chlorophyll-a	5-M				Non-ORW
2020/2022	NHLAK700030108-02-01	GREGG LAKE	ANTRIM	200.340	ACRES	Aquatic Life Integrity	Chlorophyll-a	5-M				Non-ORW
2020/2022	NHLAK700030108-02-01	GREGG LAKE	ANTRIM	200.340	ACRES	Aquatic Life Integrity	pH	4A-M	9/24/2004	GREGG LAKE	11486	Non-ORW
2020/2022	NHLAK700030108-02-01	GREGG LAKE	ANTRIM	200.340	ACRES	Aquatic Life Integrity	Phosphorus (Total)	5-M				Non-ORW
2020/2022	NHLAK700030108-02-02	GREGG LAKE - TOWN BEACH	ANTRIM	1.794	ACRES	Aquatic Life Integrity	pH	3-ND	9/14/2006	GREGG LAKE TOWN BEACH	30637	Non-ORW
2020/2022	NHLAK700030108-02-03	GREGG LAKE - CAMP CHENOA BEACH	ANTRIM	1.380	ACRES	Aquatic Life Integrity	pH	3-ND	11/30/2005	CAMP CHENOA BEACH	22524	Non-ORW
2020/2022	NHLAK700030108-03	CAMPBELL POND	ANTRIM	16.563	ACRES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHLAK700030201-02	HALFMOON POND	WASHINGTON	74.977	ACRES	Aquatic Life Integrity	Dissolved oxygen saturation	5-M				Non-ORW
2020/2022	NHLAK700030201-02	HALFMOON POND	WASHINGTON	74.977	ACRES	Aquatic Life Integrity	pH	5-P				Non-ORW
2020/2022	NHLAK700030201-03	HIGHLAND LAKE	STODDARD, WASHINGTON	694.814	ACRES	Aquatic Life Integrity	Dissolved oxygen saturation	5-M				Non-ORW
2020/2022	NHLAK700030201-03	HIGHLAND LAKE	STODDARD, WASHINGTON	694.814	ACRES	Aquatic Life Integrity	pH	5-P				Non-ORW
2020/2022	NHLAK700030201-03-02	HIGHLAND LAKE-HIGHLAND LAKE BOAT LAUNCH	STODDARD, WASHINGTON	0.217	ACRES	Primary Contact Recreation	Escherichia coli	4A-P	8/29/2011	58 NH BACTERIA IMPAIRED WATERS	40666	Non-ORW
2020/2022	NHLAK700030202-02-01	ISLAND POND	STODDARD	178.686	ACRES	Aquatic Life Integrity	Chlorophyll-a	5-M				Non-ORW
2020/2022	NHLAK700030202-02-01	ISLAND POND	STODDARD	178.686	ACRES	Aquatic Life Integrity	Dissolved oxygen saturation	5-M				Non-ORW
2020/2022	NHLAK700030202-02-01	ISLAND POND	STODDARD	178.686	ACRES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHLAK700030202-02-01	ISLAND POND	STODDARD	178.686	ACRES	Aquatic Life Integrity	Phosphorus (Total)	5-M				Non-ORW
2020/2022	NHLAK700030202-03-01	JACKMAN RESERVOIR	HILLSBOROUGH, ANTRIM	482.225	ACRES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHLAK700030202-03-02	JACKMAN RESERVOIR - MANAHAN PARK TOWN BEACH	HILLSBOROUGH	1.067	ACRES	Primary Contact Recreation	Escherichia coli	4A-P	9/21/2010	NEW HAMPSHIRE STATEWIDE BACTERIA	39276	Non-ORW
2020/2022	NHLAK700030202-06	BAGLEY POND	WINDSOR, HILLSBOROUGH	41.409	ACRES	Aquatic Life Integrity	pH	4A-M	9/20/2007	158 ACID PONDS	33878	Non-ORW
2020/2022	NHLAK700030203-01	BLACK POND	WINDSOR	86.095	ACRES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHLAK700030203-02	SMITH POND	WASHINGTON	29.178	ACRES	Aquatic Life Integrity	pH	4A-M	9/20/2007	158 ACID PONDS	33878	Non-ORW
2020/2022	NHLAK700030203-03	TROUT POND	STODDARD	15.423	ACRES	Aquatic Life Integrity	pH	4A-M	9/20/2007	158 ACID PONDS	33878	Non-ORW
2020/2022	NHLAK700030204-02	CONTENTION POND	HILLSBOROUGH	93.641	ACRES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHLAK700030204-03	ISLAND POND	WASHINGTON	191.729	ACRES	Aquatic Life Integrity	Chlorophyll-a	5-M				Non-ORW
2020/2022	NHLAK700030204-03	ISLAND POND	WASHINGTON	191.729	ACRES	Aquatic Life Integrity	pH	4A-P	9/24/2004	ISLAND POND	11491	Non-ORW
2020/2022	NHLAK700030204-03	ISLAND POND	WASHINGTON	191.729	ACRES	Aquatic Life Integrity	Phosphorus (Total)	5-M				Non-ORW
2020/2022	NHLAK700030204-04	LOON POND	HILLSBOROUGH	153.816	ACRES	Aquatic Life Integrity	pH	4A-M	9/20/2007	158 ACID PONDS	33878	Non-ORW
2020/2022	NHLAK700030301-01	LAKE SOLITUDE	NEWBURY	6.254	ACRES	Aquatic Life Integrity	Aluminum	4A-M	10/14/2004	SOLITUDE LAKE	11452	Non-ORW
2020/2022	NHLAK700030301-01	LAKE SOLITUDE	NEWBURY	6.254	ACRES	Aquatic Life Integrity	pH	4A-P	10/14/2004	SOLITUDE LAKE	11452	Non-ORW
2020/2022	NHLAK700030301-02	TODD LAKE	NEWBURY, BRADFORD	167.204	ACRES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHLAK700030302-01	BILLINGS POND	SUTTON	26.439	ACRES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHLAK700030302-02	BLAISDELL LAKE	SUTTON	160.520	ACRES	Aquatic Life Integrity	pH	4A-M	9/20/2007	158 ACID PONDS	33878	Non-ORW
2020/2022	NHLAK700030302-02-02	BLAISDELL LAKE - CAMP WABASSO BEACH	SUTTON	0.086	ACRES	Aquatic Life Integrity	pH	3-ND	9/20/2007	158 ACID PONDS	33878	Non-ORW
2020/2022	NHLAK700030302-04-01	MASSASECUM LAKE	BRADFORD	407.801	ACRES	Aquatic Life Integrity	Non-Native Aquatic Plants	4C-M				Non-ORW
2020/2022	NHLAK700030302-04-01	MASSASECUM LAKE	BRADFORD	407.801	ACRES	Aquatic Life Integrity	pH	4A-M	9/20/2007	158 ACID PONDS	33878	Non-ORW
2020/2022	NHLAK700030302-04-02	LAKE MASSASECUM - MASSASECUM CASINO BEACH	BRADFORD	1.280	ACRES	Aquatic Life Integrity	pH	3-ND	1/26/2011	MASSASECUM CASINO BEACH	39713	Non-ORW
2020/2022	NHLAK700030302-04-03	LAKE MASSASECUM - FRENCH'S PARK TOWN BEACH	BRADFORD	1.280	ACRES	Aquatic Life Integrity	pH	3-ND	1/26/2011	FRENCH'S PARK TOWN BEACH ON LAKE MASSASECUM	39714	Non-ORW
2020/2022	NHLAK700030302-04-03	LAKE MASSASECUM - FRENCH'S PARK TOWN BEACH	BRADFORD	1.280	ACRES	Primary Contact Recreation	Escherichia coli	2-M	8/29/2011	58 NH BACTERIA IMPAIRED WATERS	40666	Non-ORW
2020/2022	NHLAK700030302-04-04	LAKE MASSASECUM - CAMP PIESAULE BEACH	BRADFORD	1.380	ACRES	Aquatic Life Integrity	pH	3-ND	1/26/2011	CAMP PIESAULE BEACH ON LAKE MASSASECUM	39715	Non-ORW
2020/2022	NHLAK700030303-02	GILE POND	SUTTON	55.004	ACRES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHLAK700030303-03-01	KEZAR LAKE	SUTTON	169.368	ACRES	Aquatic Life Integrity	Dissolved oxygen saturation	5-M				Non-ORW
2020/2022	NHLAK700030303-03-01	KEZAR LAKE	SUTTON	169.368	ACRES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHLAK700030303-04	MESSER POND	NEW LONDON	71.517	ACRES	Aquatic Life Integrity	Chlorophyll-a	5-M				Non-ORW
2020/2022	NHLAK700030303-04	MESSER POND	NEW LONDON	71.517	ACRES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHLAK700030303-04	MESSER POND	NEW LONDON	71.517	ACRES	Aquatic Life Integrity	Phosphorus (Total)	5-M				Non-ORW
2020/2022	NHLAK700030304-05	TOM POND	WARNER	32.103	ACRES	Aquatic Life Integrity	Chlorophyll-a	4A-M	5/12/2011	TOM POND	40301	Non-ORW
2020/2022	NHLAK700030304-05	TOM POND	WARNER	32.103	ACRES	Aquatic Life Integrity	pH	4A-M	9/20/2007	158 ACID PONDS	33878	Non-ORW
2020/2022	NHLAK700030304-05	TOM POND	WARNER	32.103	ACRES	Aquatic Life Integrity	Phosphorus (Total)	4A-M	5/12/2011	TOM POND	40301	Non-ORW
2020/2022	NHLAK700030304-05	TOM POND	WARNER	32.103	ACRES	Primary Contact Recreation	Chlorophyll-a	4A-M	5/12/2011	TOM POND	40301	Non-ORW
2020/2022	NHLAK700030304-07	TUCKER POND	SALISBURY	54.708	ACRES	Aquatic Life Integrity	pH	4A-M	9/20/2007	158 ACID PONDS	33878	Non-ORW

2020/2022	NHLAK700030304-08	LAKE WINNEPOCKET	WEBSTER	228.051	ACRES	Aquatic Life Integrity	pH	4A-M	9/20/2007	158 ACID PONDS	33878	Non-ORW
2020/2022	NHLAK700030401-02	BUTTERFIELD POND	WILMOT	12.394	ACRES	Aquatic Life Integrity	pH	4A-P	9/20/2007	158 ACID PONDS	33878	Non-ORW
2020/2022	NHLAK700030401-04	PIPER POND	WILMOT	33.504	ACRES	Aquatic Life Integrity	pH	5-P				Non-ORW
2020/2022	NHLAK700030402-01	CHASE POND	WILMOT	30.858	ACRES	Aquatic Life Integrity	Chlorophyll-a	5-M				Non-ORW
2020/2022	NHLAK700030402-01	CHASE POND	WILMOT	30.858	ACRES	Aquatic Life Integrity	pH	2-M	9/20/2007	158 ACID PONDS	33878	Non-ORW
2020/2022	NHLAK700030402-01	CHASE POND	WILMOT	30.858	ACRES	Aquatic Life Integrity	Phosphorus (Total)	5-M				Non-ORW
2020/2022	NHLAK700030402-02-01	PLEASANT LAKE	NEW LONDON	600.846	ACRES	Aquatic Life Integrity	Dissolved oxygen saturation	5-M				Non-ORW
2020/2022	NHLAK700030402-02-01	PLEASANT LAKE	NEW LONDON	600.846	ACRES	Aquatic Life Integrity	Oxygen, Dissolved	5-P				Non-ORW
2020/2022	NHLAK700030402-02-01	PLEASANT LAKE	NEW LONDON	600.846	ACRES	Aquatic Life Integrity	pH	4A-M	9/20/2007	158 ACID PONDS	33878	Non-ORW
2020/2022	NHLAK700030402-02-02	PLEASANT LAKE - ELKINS BEACH	NEW LONDON	0.588	ACRES	Aquatic Life Integrity	pH	3-ND	11/21/2007	114 ACID PONDS	33879	Non-ORW
2020/2022	NHLAK700030402-02-02	PLEASANT LAKE - ELKINS BEACH	NEW LONDON	0.588	ACRES	Primary Contact Recreation	Escherichia coli	2-G	9/21/2010	NEW HAMPSHIRE STATEWIDE BACTERIA	39271	Non-ORW
2020/2022	NHLAK700030402-03-02	TANNERY POND - BEACH	WILMOT	0.388	ACRES	Primary Contact Recreation	Escherichia coli	4A-P	9/21/2010	NEW HAMPSHIRE STATEWIDE BACTERIA	39271	Non-ORW
2020/2022	NHLAK700030403-01	ADDER POND	ANDOVER	26.921	ACRES	Aquatic Life Integrity	Chlorophyll-a	5-P				Non-ORW
2020/2022	NHLAK700030403-01	ADDER POND	ANDOVER	26.921	ACRES	Aquatic Life Integrity	Dissolved oxygen saturation	5-M				Non-ORW
2020/2022	NHLAK700030403-01	ADDER POND	ANDOVER	26.921	ACRES	Aquatic Life Integrity	Oxygen, Dissolved	5-P				Non-ORW
2020/2022	NHLAK700030403-01	ADDER POND	ANDOVER	26.921	ACRES	Aquatic Life Integrity	pH	5-P				Non-ORW
2020/2022	NHLAK700030403-01	ADDER POND	ANDOVER	26.921	ACRES	Aquatic Life Integrity	Phosphorus (Total)	5-M				Non-ORW
2020/2022	NHLAK700030403-01	ADDER POND	ANDOVER	26.921	ACRES	Primary Contact Recreation	Cyanobacteria hepatotoxic microcystins	5-M				Non-ORW
2020/2022	NHLAK700030403-02	BRADLEY LAKE	ANDOVER	164.392	ACRES	Aquatic Life Integrity	Dissolved oxygen saturation	5-M				Non-ORW
2020/2022	NHLAK700030403-02	BRADLEY LAKE	ANDOVER	164.392	ACRES	Aquatic Life Integrity	Oxygen, Dissolved	5-P				Non-ORW
2020/2022	NHLAK700030403-02	BRADLEY LAKE	ANDOVER	164.392	ACRES	Aquatic Life Integrity	pH	5-P				Non-ORW
2020/2022	NHLAK700030403-03	COLD POND	ANDOVER	13.580	ACRES	Aquatic Life Integrity	pH	4A-M	9/24/2004	COLD POND	11470	Non-ORW
2020/2022	NHLAK700030403-04	ELBOW POND	ANDOVER	62.272	ACRES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHLAK700030403-05	HORSESHOE POND	ANDOVER	17.744	ACRES	Aquatic Life Integrity	pH	4A-M	9/20/2007	158 ACID PONDS	33878	Non-ORW
2020/2022	NHLAK700030501-01	GOULD POND	HILLSBOROUGH	58.446	ACRES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHLAK700030501-01-02	GOULD POND - EASTMAN PARK BEACH	HILLSBOROUGH	0.372	ACRES	Primary Contact Recreation	Escherichia coli	4A-M	9/30/2013	44 Bacteria Impaired Waters	55222	Non-ORW
2020/2022	NHLAK700030501-01-04	GOULD POND - EMERALD BEACH	HILLSBOROUGH	0.145	ACRES	Primary Contact Recreation	Escherichia coli	4A-P	9/30/2013	44 Bacteria Impaired Waters	55222	Non-ORW
2020/2022	NHLAK700030502-01	LONG POND	HENNIKER	90.907	ACRES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHLAK700030502-02	UPPER POND	HENNIKER	26.629	ACRES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHLAK700030502-03	BEAR POND	WARNER	48.598	ACRES	Aquatic Life Integrity	pH	4A-M	9/20/2007	158 ACID PONDS	33878	Non-ORW
2020/2022	NHLAK700030504-02-01	FRENCH POND	HENNIKER	38.702	ACRES	Aquatic Life Integrity	Chlorophyll-a	4A-M	5/12/2011	FRENCH POND	40283	Non-ORW
2020/2022	NHLAK700030504-02-01	FRENCH POND	HENNIKER	38.702	ACRES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHLAK700030504-02-01	FRENCH POND	HENNIKER	38.702	ACRES	Aquatic Life Integrity	Phosphorus (Total)	4A-M	5/12/2011	FRENCH POND	40283	Non-ORW
2020/2022	NHLAK700030504-02-01	FRENCH POND	HENNIKER	38.702	ACRES	Primary Contact Recreation	Chlorophyll-a	4A-P	5/12/2011	FRENCH POND	40283	Non-ORW
2020/2022	NHLAK700030504-02-01	FRENCH POND	HENNIKER	38.702	ACRES	Primary Contact Recreation	Cyanobacteria hepatotoxic microcystins	4A-M	5/12/2011	FRENCH POND	40283	Non-ORW
2020/2022	NHLAK700030504-02-02	FRENCH POND - PUBLIC ACCESS	HENNIKER	1.280	ACRES	Primary Contact Recreation	Cyanobacteria hepatotoxic microcystins	4A-M	5/12/2011	FRENCH POND	40283	Non-ORW
2020/2022	NHLAK700030504-03	KEYSER POND	HENNIKER	17.504	ACRES	Aquatic Life Integrity	Chlorophyll-a	5-M				Non-ORW
2020/2022	NHLAK700030504-03	KEYSER POND	HENNIKER	17.504	ACRES	Aquatic Life Integrity	Phosphorus (Total)	5-M				Non-ORW
2020/2022	NHLAK700030504-03	KEYSER POND	HENNIKER	17.504	ACRES	Primary Contact Recreation	Cyanobacteria hepatotoxic microcystins	5-P				Non-ORW
2020/2022	NHLAK700030505-01	CLEMENT POND	HOPKINTON	111.453	ACRES	Aquatic Life Integrity	pH	4A-M	9/20/2007	158 ACID PONDS	33878	Non-ORW
2020/2022	NHLAK700030505-01-02	CLEMENT POND - CAMP MERRIMAC BEACH	HOPKINTON	1.380	ACRES	Aquatic Life Integrity	pH	3-ND	11/21/2007	114 ACID PONDS	33879	Non-ORW
2020/2022	NHLAK700030505-01-02	CLEMENT POND - CAMP MERRIMAC BEACH	HOPKINTON	1.380	ACRES	Primary Contact Recreation	Escherichia coli	2-M	9/30/2013	44 Bacteria Impaired Waters	55222	Non-ORW
2020/2022	NHLAK700030505-05	CARR POND	HOPKINTON, HENNIKER	9.078	ACRES	Aquatic Life Integrity	pH	5-P				Non-ORW
2020/2022	NHLAK700030506-02	WALKER POND	BOSCAWEN, WEBSTER	204.172	ACRES	Aquatic Life Integrity	Dissolved oxygen saturation	5-M				Non-ORW
2020/2022	NHLAK700030506-02	WALKER POND	BOSCAWEN, WEBSTER	204.172	ACRES	Aquatic Life Integrity	Oxygen, Dissolved	5-P				Non-ORW
2020/2022	NHLAK700030506-02	WALKER POND	BOSCAWEN, WEBSTER	204.172	ACRES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHLAK700040401-01-01	MELENDY POND	BROOKLINE	17.521	ACRES	Aquatic Life Integrity	Dissolved oxygen saturation	5-M				Non-ORW
2020/2022	NHLAK700040401-01-01	MELENDY POND	BROOKLINE	17.521	ACRES	Aquatic Life Integrity	Non-Native Aquatic Plants	4C-M				Non-ORW
2020/2022	NHLAK700040401-01-01	MELENDY POND	BROOKLINE	17.521	ACRES	Aquatic Life Integrity	pH	4A-M	9/20/2007	158 ACID PONDS	33878	Non-ORW
2020/2022	NHLAK700040401-01-02	MELENDY POND - TOWN BEACH	BROOKLINE	1.280	ACRES	Aquatic Life Integrity	pH	3-ND	11/21/2007	114 ACID PONDS	33879	Non-ORW
2020/2022	NHLAK700040401-01-02	MELENDY POND - TOWN BEACH	BROOKLINE	1.280	ACRES	Primary Contact Recreation	Escherichia coli	2-G	9/21/2010	NEW HAMPSHIRE STATEWIDE BACTERIA	39275	Non-ORW
2020/2022	NHLAK700040401-02-01	POTANIPO POND	BROOKLINE	135.894	ACRES	Aquatic Life Integrity	Chlorophyll-a	5-M				Non-ORW
2020/2022	NHLAK700040401-02-01	POTANIPO POND	BROOKLINE	135.894	ACRES	Aquatic Life Integrity	Dissolved oxygen saturation	5-M				Non-ORW
2020/2022	NHLAK700040401-02-01	POTANIPO POND	BROOKLINE	135.894	ACRES	Aquatic Life Integrity	Non-Native Aquatic Plants	4C-M				Non-ORW
2020/2022	NHLAK700040401-02-01	POTANIPO POND	BROOKLINE	135.894	ACRES	Aquatic Life Integrity	pH	4A-M	9/20/2007	158 ACID PONDS	33878	Non-ORW
2020/2022	NHLAK700040401-02-01	POTANIPO POND	BROOKLINE	135.894	ACRES	Aquatic Life Integrity	Phosphorus (Total)	5-M				Non-ORW
2020/2022	NHLAK700040401-02-02	LAKE POTANIPO - TOWN BEACH	BROOKLINE	0.630	ACRES	Aquatic Life Integrity	pH	3-ND	11/21/2007	114 ACID PONDS	33879	Non-ORW
2020/2022	NHLAK700040401-02-02	LAKE POTANIPO - TOWN BEACH	BROOKLINE	0.630	ACRES	Primary Contact Recreation	Escherichia coli	4A-P	9/21/2010	NEW HAMPSHIRE STATEWIDE BACTERIA	39275	Non-ORW
2020/2022	NHLAK700040401-02-03	POTANIPO POND - CAMP TEVYA BEACH	BROOKLINE	1.380	ACRES	Aquatic Life Integrity	pH	3-ND	11/21/2007	114 ACID PONDS	33879	Non-ORW
2020/2022	NHLAK700040401-02-03	POTANIPO POND - CAMP TEVYA BEACH	BROOKLINE	1.380	ACRES	Primary Contact Recreation	Escherichia coli	2-G	9/21/2010	NEW HAMPSHIRE STATEWIDE BACTERIA	39275	Non-ORW
2020/2022	NHLAK700040401-03	ROCKY POND	HOLLIS	63.387	ACRES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHLAK700040402-01	FLINTS POND	HOLLIS	49.959	ACRES	Aquatic Life Integrity	Chlorophyll-a	2-M	5/12/2011	FLINTS POND	40281	Non-ORW
2020/2022	NHLAK700040402-01	FLINTS POND	HOLLIS	49.959	ACRES	Aquatic Life Integrity	Dissolved oxygen saturation	4A-M	5/12/2011	FLINTS POND	40281	Non-ORW
2020/2022	NHLAK700040402-01	FLINTS POND	HOLLIS	49.959	ACRES	Aquatic Life Integrity	Non-Native Aquatic Plants	4C-M				Non-ORW
2020/2022	NHLAK700040402-01	FLINTS POND	HOLLIS	49.959	ACRES	Aquatic Life Integrity	Oxygen, Dissolved	4A-M	5/12/2011	FLINTS POND	40281	Non-ORW
2020/2022	NHLAK700040402-01	FLINTS POND	HOLLIS	49.959	ACRES	Primary Contact Recreation	Chlorophyll-a	2-M	5/12/2011	FLINTS POND	40281	Non-ORW
2020/2022	NHLAK700060101-01	SHAW POND	FRANKLIN	1.976	ACRES	Aquatic Life Integrity	pH	4A-M	9/20/2007	158 ACID PONDS	33878	Non-ORW
2020/2022	NHLAK700060101-02-01	SONDOGARDY POND	NORTHFIELD	36.545	ACRES	Aquatic Life Integrity	Chlorophyll-a	4A-M	5/12/2011	SONDOGARDY POND	40299	Non-ORW
2020/2022	NHLAK700060101-02-01	SONDOGARDY POND	NORTHFIELD	36.545	ACRES	Aquatic Life Integrity	Dissolved oxygen saturation	4A-M	5/12/2011	SONDOGARDY POND	40299	Non-ORW
2020/2022	NHLAK700060101-02-01	SONDOGARDY POND	NORTHFIELD	36.545	ACRES	Aquatic Life Integrity	pH	4A-M	9/20/2007	158 ACID PONDS	33878	Non-ORW
2020/2022	NHLAK700060101-02-01	SONDOGARDY POND	NORTHFIELD	36.545	ACRES	Aquatic Life Integrity	Phosphorus (Total)	4A-M	5/12/2011	SONDOGARDY POND	40299	Non-ORW
2020/2022	NHLAK700060101-02-01	SONDOGARDY POND	NORTHFIELD	36.545	ACRES	Primary Contact Recreation	Chlorophyll-a	3-PAS	5/12/2011	SONDOGARDY POND	40299	Non-ORW
2020/2022	NHLAK700060101-02-01	SONDOGARDY POND	NORTHFIELD	36.545	ACRES	Primary Contact Recreation	Cyanobacteria hepatotoxic microcystins	4A-M	5/12/2011	SONDOGARDY POND	40299	Non-ORW
2020/2022	NHLAK700060101-02-02	SONDOGARDY POND - GLINES PARK BEACH	NORTHFIELD	0.267	ACRES	Aquatic Life Integrity	pH	3-ND	11/21/2007	114 ACID PONDS	33879	Non-ORW
2020/2022	NHLAK700060101-02-02	SONDOGARDY POND - GLINES PARK BEACH	NORTHFIELD	0.267	ACRES	Primary Contact Recreation	Cyanobacteria hepatotoxic microcystins	4A-M	5/12/2011	SONDOGARDY POND	40299	Non-ORW
2020/2022	NHLAK700060101-02-02	SONDOGARDY POND - GLINES PARK BEACH	NORTHFIELD	0.267	ACRES	Primary Contact Recreation	Escherichia coli	4A-P	9/21/2010	NEW HAMPSHIRE STATEWIDE BACTERIA	39276	Non-ORW
2020/2022	NHLAK700060201-01-01	LOON POND	GILMANTON	128.306	ACRES	Aquatic Life Integrity	pH	4A-M	9/20/2007	158 ACID PONDS	33878	Non-ORW
2020/2022	NHLAK700060201-01-02	LOON LAKE - LOON LAKE BEACH	GILMANTON	1.280	ACRES	Aquatic Life Integrity	pH	3-ND	11/21/2007	114 ACID PONDS	33879	Non-ORW
2020/2022	NHLAK700060201-02	LYFORD POND	CANTERBURY	23.737	ACRES	Aquatic Life Integrity	Dissolved oxygen saturation	5-M				Non-ORW
2020/2022	NHLAK700060201-02	LYFORD POND	CANTERBURY	23.737	ACRES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHLAK700060201-03	NEW POND	CANTERBURY	30.849	ACRES	Aquatic Life Integrity	Chlorophyll-a	5-M				Non-ORW
2020/2022	NHLAK700060201-03	NEW POND	CANTERBURY	30.849	ACRES	Aquatic Life Integrity	Dissolved oxygen saturation	5-M				Non-ORW
2020/2022	NHLAK700060201-03	NEW POND	CANTERBURY	30.849	ACRES	Aquatic Life Integrity	pH	4A-M	9/20/2007	158 ACID PONDS	33878	Non-ORW
2020/2022	NHLAK700060201-03	NEW POND	CANTERBURY	30.849	ACRES	Aquatic Life Integrity	Phosphorus (Total)	5-M				Non-ORW
2020/2022	NHLAK700060201-03	NEW POND	CANTERBURY	30.849	ACRES	Primary Contact Recreation	Chlorophyll-a	5-P				Non-ORW
2020/2022	NHLAK700060201-03	NEW POND	CANTERBURY	30.849	ACRES	Primary Contact Recreation	Cyanobacteria hepatotoxic microcystins	5-M				Non-ORW
2020/2022	NHLAK700060201-04	ROCKY POND	GILMANTON, CANTERBURY, LOUDON	82.456	ACRES	Aquatic Life Integrity	Non-Native Aquatic Plants	4C-P				Non-ORW

2020/2022	NHLAK700060201-04	ROCKY POND	GILMANTON, CANTERBURY, LOUDON	82.456	ACRES	Aquatic Life Integrity	pH	5-M					Non-ORW
2020/2022	NHLAK700060201-05	SHELLCAMP POND	GILMANTON	150.107	ACRES	Aquatic Life Integrity	Chlorophyll-a	5-M					Non-ORW
2020/2022	NHLAK700060201-05	SHELLCAMP POND	GILMANTON	150.107	ACRES	Aquatic Life Integrity	pH	5-M					Non-ORW
2020/2022	NHLAK700060201-05	SHELLCAMP POND	GILMANTON	150.107	ACRES	Aquatic Life Integrity	Phosphorus (Total)	5-M					Non-ORW
2020/2022	NHLAK700060202-03-01	CLOUGH POND	LOUDON, CANTERBURY	43.970	ACRES	Aquatic Life Integrity	pH	4A-M	9/20/2007	158 ACID PONDS	33878		Non-ORW
2020/2022	NHLAK700060202-03-01	CLOUGH POND	LOUDON, CANTERBURY	43.970	ACRES	Primary Contact Recreation	Cyanobacteria hepatotoxic microcystins	5-M					Non-ORW
2020/2022	NHLAK700060202-03-02	CLOUGH POND - TOWN BEACH	LOUDON	1.280	ACRES	Aquatic Life Integrity	pH	3-ND	11/21/2007	114 ACID PONDS	33879		Non-ORW
2020/2022	NHLAK700060202-04	CROOKED POND	LOUDON	28.771	ACRES	Aquatic Life Integrity	Non-Native Aquatic Plants	4C-M					Non-ORW
2020/2022	NHLAK700060202-04	CROOKED POND	LOUDON	28.771	ACRES	Aquatic Life Integrity	pH	4A-M	9/20/2007	158 ACID PONDS	33878		Non-ORW
2020/2022	NHLAK700060202-07	LYNXFIELD POND	CHICHESTER	16.833	ACRES	Aquatic Life Integrity	pH	5-M					Non-ORW
2020/2022	NHLAK700060301-01	TUREE POND	BOW	49.831	ACRES	Aquatic Life Integrity	Dissolved oxygen saturation	5-M					Non-ORW
2020/2022	NHLAK700060301-02-01	BIG TURKEY POND	CONCORD	167.602	ACRES	Aquatic Life Integrity	Non-Native Aquatic Plants	4C-M					Non-ORW
2020/2022	NHLAK700060301-02-01	BIG TURKEY POND	CONCORD	167.602	ACRES	Aquatic Life Integrity	pH	5-M					Non-ORW
2020/2022	NHLAK700060301-02-02	LITTLE TURKEY POND	CONCORD	163.959	ACRES	Aquatic Life Integrity	Non-Native Aquatic Plants	4C-M					Non-ORW
2020/2022	NHLAK700060301-02-02	LITTLE TURKEY POND	CONCORD	163.959	ACRES	Aquatic Life Integrity	pH	5-M					Non-ORW
2020/2022	NHLAK700060302-02	HORSESHOE POND	CONCORD	47.060	ACRES	Aquatic Life Integrity	Chloride	5-M					Non-ORW
2020/2022	NHLAK700060302-02	HORSESHOE POND	CONCORD	47.060	ACRES	Aquatic Life Integrity	pH	5-M					Non-ORW
2020/2022	NHLAK700060302-02	HORSESHOE POND	CONCORD	47.060	ACRES	Primary Contact Recreation	Chlorophyll-a	5-M					Non-ORW
2020/2022	NHLAK700060302-05	HOTHOLE POND	LOUDON, CONCORD	26.920	ACRES	Aquatic Life Integrity	pH	5-M					Non-ORW
2020/2022	NHLAK700060302-05	HOTHOLE POND	LOUDON, CONCORD	26.920	ACRES	Primary Contact Recreation	Cyanobacteria hepatotoxic microcystins	5-M					Non-ORW
2020/2022	NHLAK700060302-06	KIMBALL POND	CANTERBURY	9.302	ACRES	Aquatic Life Integrity	Dissolved oxygen saturation	5-M					Non-ORW
2020/2022	NHLAK700060302-07	SNOW POND	CONCORD	18.947	ACRES	Aquatic Life Integrity	pH	5-M					Non-ORW
2020/2022	NHLAK700060302-08	TURTLE POND	CONCORD	158.911	ACRES	Aquatic Life Integrity	Non-Native Aquatic Plants	4C-M					Non-ORW
2020/2022	NHLAK700060302-08	TURTLE POND	CONCORD	158.911	ACRES	Aquatic Life Integrity	pH	5-M					Non-ORW
2020/2022	NHLAK700060302-08	TURTLE POND	CONCORD	158.911	ACRES	Primary Contact Recreation	Cyanobacteria hepatotoxic microcystins	4A-M	10/18/2011	TURTLE POND	41414		Non-ORW
2020/2022	NHLAK700060302-11	UPPER GOODWIN POINT POND	CONCORD	33.744	ACRES	Aquatic Life Integrity	Non-Native Aquatic Plants	4C-M					Non-ORW
2020/2022	NHLAK700060302-11	UPPER GOODWIN POINT POND	CONCORD	33.744	ACRES	Aquatic Life Integrity	pH	5-M					Non-ORW
2020/2022	NHLAK700060302-15	HORSESHOE POND	CANTERBURY	37.025	ACRES	Aquatic Life Integrity	pH	5-M					Non-ORW
2020/2022	NHLAK700060302-15	HORSESHOE POND	CANTERBURY	37.025	ACRES	Primary Contact Recreation	Chlorophyll-a	5-P					Non-ORW
2020/2022	NHLAK700060401-02-01	CRYSTAL LAKE	GILMANTON	385.364	ACRES	Aquatic Life Integrity	pH	4A-M	9/20/2007	158 ACID PONDS	33878		Non-ORW
2020/2022	NHLAK700060401-02-02	CRYSTAL LAKE-TOWN BEACH	GILMANTON	0.461	ACRES	Aquatic Life Integrity	pH	3-ND	11/21/2007	114 ACID PONDS	33879		Non-ORW
2020/2022	NHLAK700060401-02-02	CRYSTAL LAKE-TOWN BEACH	GILMANTON	0.461	ACRES	Primary Contact Recreation	Escherichia coli	4A-P	9/21/2010	NEW HAMPSHIRE STATEWIDE BACTERIA	39276		Non-ORW
2020/2022	NHLAK700060401-04	HILLS POND	ALTON	92.463	ACRES	Aquatic Life Integrity	Dissolved oxygen saturation	5-M					Non-ORW
2020/2022	NHLAK700060401-04	HILLS POND	ALTON	92.463	ACRES	Aquatic Life Integrity	pH	5-M					Non-ORW
2020/2022	NHLAK700060401-06	MANNING LAKE	GILMANTON	198.473	ACRES	Aquatic Life Integrity	pH	4A-M	9/20/2007	158 ACID PONDS	33878		Non-ORW
2020/2022	NHLAK700060401-06-02	MANNING LAKE - CAMP BELL BEACH	GILMANTON	1.380	ACRES	Aquatic Life Integrity	pH	3-ND	11/21/2007	114 ACID PONDS	33879		Non-ORW
2020/2022	NHLAK700060401-12	SUNSET LAKE	ALTON, GILMANTON	252.164	ACRES	Aquatic Life Integrity	pH	4A-M	9/20/2007	158 ACID PONDS	33878		Non-ORW
2020/2022	NHLAK700060402-01	BRINDLE POND	BARNSTEAD	91.226	ACRES	Aquatic Life Integrity	Non-Native Aquatic Plants	4C-P					Non-ORW
2020/2022	NHLAK700060402-03	HALFMOON LAKE	ALTON, BARNSTEAD	281.821	ACRES	Aquatic Life Integrity	Chlorophyll-a	5-M					Non-ORW
2020/2022	NHLAK700060402-03	HALFMOON LAKE	ALTON, BARNSTEAD	281.821	ACRES	Aquatic Life Integrity	Dissolved oxygen saturation	5-M					Non-ORW
2020/2022	NHLAK700060402-03	HALFMOON LAKE	ALTON, BARNSTEAD	281.821	ACRES	Aquatic Life Integrity	pH	4A-M	9/20/2007	158 ACID PONDS	33878		Non-ORW
2020/2022	NHLAK700060402-03	HALFMOON LAKE	ALTON, BARNSTEAD	281.821	ACRES	Aquatic Life Integrity	Phosphorus (Total)	5-M					Non-ORW
2020/2022	NHLAK700060402-03	HALFMOON LAKE	ALTON, BARNSTEAD	281.821	ACRES	Primary Contact Recreation	Cyanobacteria hepatotoxic microcystins	5-M					Non-ORW
2020/2022	NHLAK700060402-03-02	HALFMOON LAKE - CAMP MI-TE-NA BEACH	ALTON	1.380	ACRES	Aquatic Life Integrity	pH	3-ND	11/21/2007	114 ACID PONDS	33879		Non-ORW
2020/2022	NHLAK700060402-05	HUNTRESS POND	BARNSTEAD	48.503	ACRES	Aquatic Life Integrity	pH	4A-M	9/20/2007	158 ACID PONDS	33878		Non-ORW
2020/2022	NHLAK700060402-10-01	LOWER SUNCOOK POND	BARNSTEAD	294.334	ACRES	Aquatic Life Integrity	Non-Native Aquatic Plants	4C-M					Non-ORW
2020/2022	NHLAK700060402-10-01	LOWER SUNCOOK POND	BARNSTEAD	294.334	ACRES	Aquatic Life Integrity	pH	4A-M	10/14/2004	SUNCOOK POND LOWER	11456		Non-ORW
2020/2022	NHLAK700060402-10-02	UPPER SUNCOOK POND	BARNSTEAD	400.941	ACRES	Aquatic Life Integrity	Non-Native Aquatic Plants	4C-M					Non-ORW
2020/2022	NHLAK700060402-10-02	UPPER SUNCOOK POND	BARNSTEAD	400.941	ACRES	Aquatic Life Integrity	pH	5-M					Non-ORW
2020/2022	NHLAK700060402-10-03	UPPER SUNCOOK LAKE - CAMP FATIMA BEACH	BARNSTEAD	1.380	ACRES	Primary Contact Recreation	Escherichia coli	4A-M	9/21/2010	NEW HAMPSHIRE STATEWIDE BACTERIA	39276		Non-ORW
2020/2022	NHLAK700060403-01	BIG WILLEY POND	STRAFFORD	46.984	ACRES	Aquatic Life Integrity	pH	4A-P	9/20/2007	158 ACID PONDS	33878		Non-ORW
2020/2022	NHLAK700060403-01-02	BIG WILLEY POND - CAMP FOSS BEACH	STRAFFORD	1.380	ACRES	Aquatic Life Integrity	pH	3-ND	11/21/2007	114 ACID PONDS	33879		Non-ORW
2020/2022	NHLAK700060403-01-03	BIG WILLEY POND - PARKER MTN BEACH	STRAFFORD	1.380	ACRES	Aquatic Life Integrity	pH	3-ND	11/21/2007	114 ACID PONDS	33879		Non-ORW
2020/2022	NHLAK700060403-02	LITTLE WILLEY POND	STRAFFORD	29.504	ACRES	Aquatic Life Integrity	pH	4A-P	9/20/2007	158 ACID PONDS	33878		Non-ORW
2020/2022	NHLAK700060501-02	LOUGEE POND	BARNSTEAD	41.572	ACRES	Aquatic Life Integrity	pH	5-M					Non-ORW
2020/2022	NHLAK700060501-03	WILD GOOSE POND	PITTSFIELD, STRAFFORD	117.967	ACRES	Aquatic Life Integrity	pH	4A-M	9/20/2007	158 ACID PONDS	33878		Non-ORW
2020/2022	NHLAK700060501-03-02	WILD GOOSE POND - WILD GOOSE POND BEACH	PITTSFIELD	1.380	ACRES	Aquatic Life Integrity	pH	3-ND	11/21/2007	114 ACID PONDS	33879		Non-ORW
2020/2022	NHLAK700060501-03-03	WILD GOOSE POND - WILD GOOSE CAMP BEACH	PITTSFIELD	1.380	ACRES	Aquatic Life Integrity	pH	3-ND	11/21/2007	114 ACID PONDS	33879		Non-ORW
2020/2022	NHLAK700060501-05	ROLLINS POND	GILMANTON	32.391	ACRES	Aquatic Life Integrity	pH	5-M					Non-ORW
2020/2022	NHLAK700060501-08	BERRY POND	PITTSFIELD	36.777	ACRES	Aquatic Life Integrity	pH	4A-M	9/20/2007	158 ACID PONDS	33878		Non-ORW
2020/2022	NHLAK700060502-03	CHESTNUT POND	EPSOM	27.840	ACRES	Aquatic Life Integrity	pH	4A-M	9/20/2007	158 ACID PONDS	33878		Non-ORW
2020/2022	NHLAK700060502-05	HARVEY LAKE	NORTHWOOD	116.165	ACRES	Aquatic Life Integrity	Chlorophyll-a	2-M	5/12/2011	HARVEY LAKE	40287		Non-ORW
2020/2022	NHLAK700060502-05	HARVEY LAKE	NORTHWOOD	116.165	ACRES	Aquatic Life Integrity	Dissolved oxygen saturation	4A-M	5/12/2011	HARVEY LAKE	40287		Non-ORW
2020/2022	NHLAK700060502-05	HARVEY LAKE	NORTHWOOD	116.165	ACRES	Aquatic Life Integrity	pH	5-M					Non-ORW
2020/2022	NHLAK700060502-05	HARVEY LAKE	NORTHWOOD	116.165	ACRES	Primary Contact Recreation	Chlorophyll-a	4A-M	5/12/2011	HARVEY LAKE	40287		Non-ORW
2020/2022	NHLAK700060502-05	HARVEY LAKE	NORTHWOOD	116.165	ACRES	Primary Contact Recreation	Cyanobacteria hepatotoxic microcystins	4A-M	5/12/2011	HARVEY LAKE	40287		Non-ORW
2020/2022	NHLAK700060502-06	JENNESS POND	NORTHWOOD, PITTSFIELD	266.224	ACRES	Aquatic Life Integrity	Chlorophyll-a	5-M					Non-ORW
2020/2022	NHLAK700060502-06	JENNESS POND	NORTHWOOD, PITTSFIELD	266.224	ACRES	Aquatic Life Integrity	pH	4A-M	9/24/2004	JENNESS POND	11493		Non-ORW
2020/2022	NHLAK700060502-06	JENNESS POND	NORTHWOOD, PITTSFIELD	266.224	ACRES	Aquatic Life Integrity	Phosphorus (Total)	5-M					Non-ORW
2020/2022	NHLAK700060502-06	JENNESS POND	NORTHWOOD, PITTSFIELD	266.224	ACRES	Primary Contact Recreation	Cyanobacteria hepatotoxic microcystins	5-M					Non-ORW
2020/2022	NHLAK700060502-06	JENNESS POND	NORTHWOOD, PITTSFIELD	266.224	ACRES	Primary Contact Recreation	Escherichia coli	2-M	9/21/2010	NEW HAMPSHIRE STATEWIDE BACTERIA	39273		Non-ORW
2020/2022	NHLAK700060502-07	LONG POND	NORTHWOOD	89.738	ACRES	Aquatic Life Integrity	Dissolved oxygen saturation	5-M					Non-ORW
2020/2022	NHLAK700060502-07	LONG POND	NORTHWOOD	89.738	ACRES	Aquatic Life Integrity	pH	4A-M	9/24/2004	LONG POND	11497		Non-ORW
2020/2022	NHLAK700060502-08-01	NORTHWOOD LAKE	NORTHWOOD, DEERFIELD, EPSOM	651.341	ACRES	Aquatic Life Integrity	Non-Native Aquatic Plants	4C-M					Non-ORW
2020/2022	NHLAK700060502-08-01	NORTHWOOD LAKE	NORTHWOOD, DEERFIELD, EPSOM	651.341	ACRES	Aquatic Life Integrity	pH	4A-M	9/24/2004	NORTHWOOD LAKE	11502		Non-ORW
2020/2022	NHLAK700060502-08-01	NORTHWOOD LAKE	NORTHWOOD, DEERFIELD, EPSOM	651.341	ACRES	Primary Contact Recreation	Escherichia coli	4A-M	9/21/2010	NEW HAMPSHIRE STATEWIDE BACTERIA	39273		Non-ORW
2020/2022	NHLAK700060502-08-02	NORTHWOOD LAKE - TOWN BEACH	NORTHWOOD	0.364	ACRES	Aquatic Life Integrity	pH	2-M	9/14/2006	NORTHWOOD LAKE TOWN BEACH	30638		Non-ORW
2020/2022	NHLAK700060502-08-02	NORTHWOOD LAKE - TOWN BEACH	NORTHWOOD	0.364	ACRES	Primary Contact Recreation	Escherichia coli	4A-P	9/21/2010	NEW HAMPSHIRE STATEWIDE BACTERIA	39276		Non-ORW
2020/2022	NHLAK700060502-08-03	NORTHWOOD LAKE - CAMP WAH-TUT-CA BEACH	NORTHWOOD	1.380	ACRES	Aquatic Life Integrity	pH	3-ND	11/30/2005	CAMP WAH-TUT-CA BEACH	22527		Non-ORW
2020/2022	NHLAK700060502-08-04	NORTHWOOD LAKE - LYNN GROVE ASSOCIATION BEACH	NORTHWOOD	0.165	ACRES	Primary Contact Recreation	Escherichia coli	5-P	8/29/2011	58 NH BACTERIA IMPAIRED WATERS	40666		Non-ORW
2020/2022	NHLAK700060502-09-01	PLEASANT LAKE	DEERFIELD, NORTHWOOD	477.695	ACRES	Aquatic Life Integrity	Dissolved oxygen saturation	5-M					Non-ORW
2020/2022	NHLAK700060502-09-01	PLEASANT LAKE	DEERFIELD, NORTHWOOD	477.695	ACRES	Aquatic Life Integrity	Oxygen, Dissolved	5-P					Non-ORW
2020/2022	NHLAK700060502-09-01	PLEASANT LAKE	DEERFIELD, NORTHWOOD	477.695	ACRES	Aquatic Life Integrity	pH	4A-M	10/14/2004	PLEASANT LAKE	11443		Non-ORW
2020/2022	NHLAK700060502-09-02	PLEASANT LAKE - VEASEY PARK BEACH	DEERFIELD	0.533	ACRES	Aquatic Life Integrity	pH	4A-P	9/14/2006	PLEASANT LAKE-VEASEY PARK	30639		Non-ORW
2020/2022	NHLAK700060502-09-02	PLEASANT LAKE - VEASEY PARK BEACH	DEERFIELD	0.533	ACRES	Primary Contact Recreation	Escherichia coli	2-M	9/30/2013	44 Bacteria Impaired Waters	55222		Non-ORW
2020/2022	NHLAK700060502-10	CONSERVATION POND	NORTHWOOD	11.192	ACRES	Aquatic Life Integrity	pH	5-M					Non-ORW
2020/2022	NHLAK700060502-11	ODIORNE POND	EPSOM	17.852	ACRES	Aquatic Life Integrity	pH	5-M					Non-ORW

2020/2022	NHLAK700060503-01	BEAR HILL POND	ALLENSTOWN	30.395	ACRES	Aquatic Life Integrity	pH	4A-P	9/20/2007	158 ACID PONDS	33878	Non-ORW
2020/2022	NHLAK700060503-01-02	BEAR HILL POND - BEAR HILL POND BEACH	ALLENSTOWN	1.380	ACRES	Aquatic Life Integrity	pH	3-ND	11/21/2007	114 ACID PONDS	33879	Non-ORW
2020/2022	NHLAK700060503-02-02	CATAMOUNT POND - BEAR BROOK STATE PARK BEACH	ALLENSTOWN	0.679	ACRES	Primary Contact Recreation	Escherichia coli	4A-P	9/21/2010	NEW HAMPSHIRE STATEWIDE BACTERIA	39275	Non-ORW
2020/2022	NHLAK700060503-04	MARSH POND	CHICHESTER	20.300	ACRES	Primary Contact Recreation	Chlorophyll-a	5-P				Non-ORW
2020/2022	NHLAK700060601-01	DEERING RESERVOIR	DEERING	321.930	ACRES	Aquatic Life Integrity	pH	4A-M	9/20/2007	158 ACID PONDS	33878	ORW
2020/2022	NHLAK700060601-01-02	DEERING RESERVOIR - DEERING LAKE BEACH	DEERING	0.280	ACRES	Aquatic Life Integrity	pH	3-ND	9/20/2007	158 ACID PONDS	33878	ORW
2020/2022	NHLAK700060601-01-02	DEERING RESERVOIR - DEERING LAKE BEACH	DEERING	0.280	ACRES	Primary Contact Recreation	Escherichia coli	4A-P	8/29/2011	58 NH BACTERIA IMPAIRED WATERS	40666	ORW
2020/2022	NHLAK700060601-01-03	DEERING RESERVOIR - HOPKINTON INDEPENDENT SCHOOL BEACH	DEERING	0.155	ACRES	Aquatic Life Integrity	pH	3-ND	9/20/2007	158 ACID PONDS	33878	ORW
2020/2022	NHLAK700060601-02	DUDLEY POND	DEERING	34.006	ACRES	Aquatic Life Integrity	pH	4A-M	9/20/2007	158 ACID PONDS	33878	ORW
2020/2022	NHLAK700060601-03-01	PLEASANT POND	HENNIKER	84.867	ACRES	Aquatic Life Integrity	pH	4A-M	9/20/2007	158 ACID PONDS	33878	ORW
2020/2022	NHLAK700060601-03-02	PLEASANT LAKE - PUBLIC ACCESS BEACH	HENNIKER	1.280	ACRES	Aquatic Life Integrity	pH	3-ND	11/21/2007	114 ACID PONDS	33879	ORW
2020/2022	NHLAK700060601-03-02	PLEASANT LAKE - PUBLIC ACCESS BEACH	HENNIKER	1.280	ACRES	Primary Contact Recreation	Escherichia coli	2-M	9/30/2013	44 Bacteria Impaired Waters	55222	ORW
2020/2022	NHLAK700060601-04	UNNAMED POND	DEERING	22.466	ACRES							ORW
2020/2022	NHLAK700060601-05-01	WEARE RESERVOIR	WEARE	267.011	ACRES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHLAK700060601-05-01	WEARE RESERVOIR	WEARE	267.011	ACRES	Primary Contact Recreation	Cyanobacteria hepatotoxic microcystins	5-M				Non-ORW
2020/2022	NHLAK700060601-05-02	WEARE RESERVOIR - CHASE PARK TOWN BEACH	WEARE	2.352	ACRES	Primary Contact Recreation	Cyanobacteria hepatotoxic microcystins	5-M				Non-ORW
2020/2022	NHLAK700060601-05-02	WEARE RESERVOIR - CHASE PARK TOWN BEACH	WEARE	2.352	ACRES	Primary Contact Recreation	Escherichia coli	2-G	9/21/2010	NEW HAMPSHIRE STATEWIDE BACTERIA	39276	Non-ORW
2020/2022	NHLAK700060601-06	AUDUBON SOCIETY DAM POND	DEERING	35.193	ACRES							ORW
2020/2022	NHLAK700060602-01-01	EVERETT POOL	WEARE	147.814	ACRES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHLAK700060602-02	MOUNT WILLIAM POND	WEARE	31.787	ACRES	Aquatic Life Integrity	pH	4A-M	9/20/2007	158 ACID PONDS	33878	Non-ORW
2020/2022	NHLAK700060603-01	GORHAM POND	DUNBARTON	97.041	ACRES	Aquatic Life Integrity	Non-Native Aquatic Plants	4C-M				Non-ORW
2020/2022	NHLAK700060603-01	GORHAM POND	DUNBARTON	97.041	ACRES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHLAK700060604-01	PLEASANT POND	FRANCESTOWN	197.881	ACRES	Aquatic Life Integrity	pH	4A-M	9/20/2007	158 ACID PONDS	33878	ORW
2020/2022	NHLAK700060604-02	SHATTUCK POND	FRANCESTOWN	29.633	ACRES							ORW
2020/2022	NHLAK700060605-01-01	DANIELS LAKE	WEARE	36.419	ACRES	Aquatic Life Integrity	Chlorophyll-a	4A-M	9/28/2021	Daniels Lake	R1_NH_2021_1	ORW
2020/2022	NHLAK700060605-01-01	DANIELS LAKE	WEARE	36.419	ACRES	Aquatic Life Integrity	Phosphorus (Total)	4A-M	9/28/2021	Daniels Lake	R1_NH_2021_1	ORW
2020/2022	NHLAK700060605-01-02	DANIELS LAKE - PB BEACH	WEARE	1.380	ACRES	Aquatic Life Integrity	Chlorophyll-a	3-ND	9/28/2021	Daniels Lake	R1_NH_2021_1	ORW
2020/2022	NHLAK700060605-02	DODGE POND	NEW BOSTON	33.290	ACRES							ORW
2020/2022	NHLAK700060605-03	FERRIN POND	WEARE	17.852	ACRES							ORW
2020/2022	NHLAK700060605-04-01	HAUNTED LAKE	FRANCESTOWN	138.906	ACRES	Aquatic Life Integrity	Chlorophyll-a	5-M	9/30/2019	Haunted Lake and Town Beach	R1-NH-2019-01	ORW
2020/2022	NHLAK700060605-04-01	HAUNTED LAKE	FRANCESTOWN	138.906	ACRES	Aquatic Life Integrity	Phosphorus (Total)	5-M	9/30/2019	Haunted Lake and Town Beach	R1-NH-2019-01	ORW
2020/2022	NHLAK700060605-04-01	HAUNTED LAKE	FRANCESTOWN	138.906	ACRES	Primary Contact Recreation	Chlorophyll-a	2-M	9/30/2019	Haunted Lake and Town Beach	R1-NH-2019-01	ORW
2020/2022	NHLAK700060605-04-02	HAUNTED LAKE - TOWN BEACH	FRANCESTOWN	0.388	ACRES							ORW
2020/2022	NHLAK700060605-05	DENNISON POND	FRANCESTOWN, NEW BOSTON	22.312	ACRES							ORW
2020/2022	NHLAK700060605-06	BEARD POND	NEW BOSTON	12.971	ACRES							ORW
2020/2022	NHLAK700060605-07	STILL POND	NEW BOSTON	10.886	ACRES							ORW
2020/2022	NHLAK700060606-01	BAILEY POND	NEW BOSTON	18.423	ACRES							ORW
2020/2022	NHLAK700060607-01-01	GLEN LAKE	GOFFSTOWN	136.921	ACRES	Aquatic Life Integrity	Non-Native Aquatic Plants	4C-M				Non-ORW
2020/2022	NHLAK700060607-01-01	GLEN LAKE	GOFFSTOWN	136.921	ACRES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHLAK700060607-02	NAMASKE LAKE	GOFFSTOWN, MANCHESTER	120.700	ACRES	Aquatic Life Integrity	Chlorophyll-a	5-M				Non-ORW
2020/2022	NHLAK700060607-02	NAMASKE LAKE	GOFFSTOWN, MANCHESTER	120.700	ACRES	Aquatic Life Integrity	Non-Native Aquatic Plants	4C-M				Non-ORW
2020/2022	NHLAK700060607-02	NAMASKE LAKE	GOFFSTOWN, MANCHESTER	120.700	ACRES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHLAK700060607-02	NAMASKE LAKE	GOFFSTOWN, MANCHESTER	120.700	ACRES	Aquatic Life Integrity	Phosphorus (Total)	5-M				Non-ORW
2020/2022	NHLAK700060607-02	NAMASKE LAKE	GOFFSTOWN, MANCHESTER	120.700	ACRES	Primary Contact Recreation	Chlorophyll-a	5-M				Non-ORW
2020/2022	NHLAK700060607-02	NAMASKE LAKE	GOFFSTOWN, MANCHESTER	120.700	ACRES	Primary Contact Recreation	Escherichia coli	4A-M	9/21/2010	NEW HAMPSHIRE STATEWIDE BACTERIA	39272	Non-ORW
2020/2022	NHLAK700060607-03	LONG POND	DUNBARTON	30.878	ACRES	Aquatic Life Integrity	pH	4A-P	9/20/2007	158 ACID PONDS	33878	Non-ORW
2020/2022	NHLAK700060607-05	HADLEY FALLS	GOFFSTOWN	20.000	ACRES	Aquatic Life Integrity	Non-Native Aquatic Plants	4C-M				Non-ORW
2020/2022	NHLAK700060701-03	DUBES POND	HOOKSETT	93.662	ACRES	Aquatic Life Integrity	pH	5-P				Non-ORW
2020/2022	NHLAK700060702-03	MASSABESIC LAKE	AUBURN, MANCHESTER	2554.099	ACRES	Aquatic Life Integrity	Dissolved oxygen saturation	5-M				Non-ORW
2020/2022	NHLAK700060702-03	MASSABESIC LAKE	AUBURN, MANCHESTER	2554.099	ACRES	Aquatic Life Integrity	Non-Native Aquatic Plants	4C-M				Non-ORW
2020/2022	NHLAK700060702-03	MASSABESIC LAKE	AUBURN, MANCHESTER	2554.099	ACRES	Aquatic Life Integrity	Oxygen, Dissolved	5-P				Non-ORW
2020/2022	NHLAK700060702-03	MASSABESIC LAKE	AUBURN, MANCHESTER	2554.099	ACRES	Aquatic Life Integrity	pH	4A-M	9/20/2007	158 ACID PONDS	33878	Non-ORW
2020/2022	NHLAK700060702-03	MASSABESIC LAKE	AUBURN, MANCHESTER	2554.099	ACRES	Primary Contact Recreation	Cyanobacteria hepatotoxic microcystins	5-M				Non-ORW
2020/2022	NHLAK700060703-02-01	CRYSTAL LAKE	MANCHESTER	21.214	ACRES	Aquatic Life Integrity	Dissolved oxygen saturation	5-M				Non-ORW
2020/2022	NHLAK700060703-02-02	CRYSTAL LAKE-TOWN BEACH	MANCHESTER	1.333	ACRES	Primary Contact Recreation	Escherichia coli	4A-P	9/21/2010	NEW HAMPSHIRE STATEWIDE BACTERIA	39275	Non-ORW
2020/2022	NHLAK700060703-04	PINE ISLAND POND	MANCHESTER	53.897	ACRES	Aquatic Life Integrity	Chlorophyll-a	2-M	5/12/2011	PINE ISLAND POND	40294	Non-ORW
2020/2022	NHLAK700060703-04	PINE ISLAND POND	MANCHESTER	53.897	ACRES	Aquatic Life Integrity	Dissolved oxygen saturation	4A-M	5/12/2011	PINE ISLAND POND	40294	Non-ORW
2020/2022	NHLAK700060703-04	PINE ISLAND POND	MANCHESTER	53.897	ACRES	Aquatic Life Integrity	Oxygen, Dissolved	4A-P	5/12/2011	PINE ISLAND POND	40294	Non-ORW
2020/2022	NHLAK700060703-04	PINE ISLAND POND	MANCHESTER	53.897	ACRES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHLAK700060703-04	PINE ISLAND POND	MANCHESTER	53.897	ACRES	Primary Contact Recreation	Chlorophyll-a	4A-M	5/12/2011	PINE ISLAND POND	40294	Non-ORW
2020/2022	NHLAK700060703-04	PINE ISLAND POND	MANCHESTER	53.897	ACRES	Primary Contact Recreation	Cyanobacteria hepatotoxic microcystins	4A-M	5/12/2011	PINE ISLAND POND	40294	Non-ORW
2020/2022	NHLAK700060801-01	KIMBALL POND	DUNBARTON	90.381	ACRES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHLAK700060801-03	PURGATORY POND	DUNBARTON	18.531	ACRES	Aquatic Life Integrity	pH	5-P				Non-ORW
2020/2022	NHLAK700060802-01	DORRS POND	MANCHESTER	23.241	ACRES	Aquatic Life Integrity	Chloride	5-M				Non-ORW
2020/2022	NHLAK700060802-01	DORRS POND	MANCHESTER	23.241	ACRES	Aquatic Life Integrity	Chlorophyll-a	4A-M	5/12/2011	DORRS POND	40280	Non-ORW
2020/2022	NHLAK700060802-01	DORRS POND	MANCHESTER	23.241	ACRES	Aquatic Life Integrity	Dissolved oxygen saturation	4A-M	5/12/2011	DORRS POND	40280	Non-ORW
2020/2022	NHLAK700060802-01	DORRS POND	MANCHESTER	23.241	ACRES	Aquatic Life Integrity	Oxygen, Dissolved	4A-M	5/12/2011	DORRS POND	40280	Non-ORW
2020/2022	NHLAK700060802-01	DORRS POND	MANCHESTER	23.241	ACRES	Aquatic Life Integrity	Phosphorus (Total)	4A-P	5/12/2011	DORRS POND	40280	Non-ORW
2020/2022	NHLAK700060802-01	DORRS POND	MANCHESTER	23.241	ACRES	Primary Contact Recreation	Chlorophyll-a	4A-M	5/12/2011	DORRS POND	40280	Non-ORW
2020/2022	NHLAK700060802-02	LAKINS POND	HOOKSETT	44.598	ACRES	Aquatic Life Integrity	pH	4A-M	9/20/2007	158 ACID PONDS	33878	Non-ORW
2020/2022	NHLAK700060802-03	PINNACLE POND	HOOKSETT	21.500	ACRES	Aquatic Life Integrity	pH	4A-M	9/20/2007	158 ACID PONDS	33878	Non-ORW
2020/2022	NHLAK700060803-01	NUTT POND	MANCHESTER	17.584	ACRES	Aquatic Life Integrity	Chloride	5-M				Non-ORW
2020/2022	NHLAK700060803-01	NUTT POND	MANCHESTER	17.584	ACRES	Aquatic Life Integrity	Chlorophyll-a	4A-M	5/12/2011	NUTT POND	40292	Non-ORW
2020/2022	NHLAK700060803-01	NUTT POND	MANCHESTER	17.584	ACRES	Aquatic Life Integrity	Dissolved oxygen saturation	4A-M	5/12/2011	NUTT POND	40292	Non-ORW
2020/2022	NHLAK700060803-01	NUTT POND	MANCHESTER	17.584	ACRES	Aquatic Life Integrity	Non-Native Aquatic Plants	4C-M				Non-ORW
2020/2022	NHLAK700060803-01	NUTT POND	MANCHESTER	17.584	ACRES	Aquatic Life Integrity	Oxygen, Dissolved	2-G	5/12/2011	NUTT POND	40292	Non-ORW
2020/2022	NHLAK700060803-01	NUTT POND	MANCHESTER	17.584	ACRES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHLAK700060803-01	NUTT POND	MANCHESTER	17.584	ACRES	Aquatic Life Integrity	Phosphorus (Total)	4A-M	5/12/2011	NUTT POND	40292	Non-ORW
2020/2022	NHLAK700060803-01	NUTT POND	MANCHESTER	17.584	ACRES	Primary Contact Recreation	Chlorophyll-a	4A-M	5/12/2011	NUTT POND	40292	Non-ORW
2020/2022	NHLAK700060803-02	STEVENS POND	MANCHESTER	14.940	ACRES	Aquatic Life Integrity	Chloride	5-M				Non-ORW
2020/2022	NHLAK700060803-02	STEVENS POND	MANCHESTER	14.940	ACRES	Aquatic Life Integrity	Chlorophyll-a	2-M	5/12/2011	STEVENS POND	40300	Non-ORW
2020/2022	NHLAK700060803-02	STEVENS POND	MANCHESTER	14.940	ACRES	Aquatic Life Integrity	Dissolved oxygen saturation	4A-M	5/12/2011	STEVENS POND	40300	Non-ORW
2020/2022	NHLAK700060803-02	STEVENS POND	MANCHESTER	14.940	ACRES	Aquatic Life Integrity	Oxygen, Dissolved	4A-P	5/12/2011	STEVENS POND	40300	Non-ORW
2020/2022	NHLAK700060803-02	STEVENS POND	MANCHESTER	14.940	ACRES	Aquatic Life Integrity	pH	4A-M	9/20/2007	158 ACID PONDS	33878	Non-ORW
2020/2022	NHLAK700060803-02	STEVENS POND	MANCHESTER	14.940	ACRES	Primary Contact Recreation	Chlorophyll-a	4A-P	5/12/2011	STEVENS POND	40300	Non-ORW
2020/2022	NHLAK700060804-02	SEBBINS POND	BEDFORD	19.727	ACRES	Aquatic Life Integrity	Chlorophyll-a	4A-P	5/12/2011	SEBBINS POND	40297	Non-ORW

2020/2022	NHLAK700060804-02	SEBBINS POND	BEDFORD	19.727	ACRES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHLAK700060804-02	SEBBINS POND	BEDFORD	19.727	ACRES	Aquatic Life Integrity	Phosphorus (Total)	4A-M	5/12/2011	SEBBINS POND	40297	Non-ORW
2020/2022	NHLAK700060804-02	SEBBINS POND	BEDFORD	19.727	ACRES	Primary Contact Recreation	Chlorophyll-a	4A-P	5/12/2011	SEBBINS POND	40297	Non-ORW
2020/2022	NHLAK700060804-02	SEBBINS POND	BEDFORD	19.727	ACRES	Primary Contact Recreation	Cyanobacteria hepatotoxic microcystins	4A-M	5/12/2011	SEBBINS POND	40297	Non-ORW
2020/2022	NHLAK700060804-02-02	SEBBINS POND - CAMP KETTLEFORD BEACH	BEDFORD	1.380	ACRES	Primary Contact Recreation	Cyanobacteria hepatotoxic microcystins	4A-M	5/12/2011	SEBBINS POND	40297	Non-ORW
2020/2022	NHLAK700060804-03-01	SANDY POND - CAMP FOSTER POND	BEDFORD	3.383	ACRES	Aquatic Life Integrity	Chlorophyll-a	4A-M	5/12/2011	SANDY POND	40296	Non-ORW
2020/2022	NHLAK700060804-03-01	SANDY POND - CAMP FOSTER POND	BEDFORD	3.383	ACRES	Aquatic Life Integrity	Phosphorus (Total)	4A-M	5/12/2011	SANDY POND	40296	Non-ORW
2020/2022	NHLAK700060804-03-01	SANDY POND - CAMP FOSTER POND	BEDFORD	3.383	ACRES	Primary Contact Recreation	Chlorophyll-a	4A-M	5/12/2011	SANDY POND	40296	Non-ORW
2020/2022	NHLAK700060901-01	WATER LOOM POND	NEW IPSWICH	61.125	ACRES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHLAK700060901-03	PRATT POND	NEW IPSWICH	34.497	ACRES	Aquatic Life Integrity	pH	4A-M	10/14/2004	PRATT POND	11504	Non-ORW
2020/2022	NHLAK700060902-01	TOBEY RESERVOIR	TEMPLE	122.288	ACRES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHLAK700060904-03	HORTONS POND	MONT VERNON	31.610	ACRES	Aquatic Life Integrity	pH	5-P				Non-ORW
2020/2022	NHLAK700060905-01-01	BABOOSIC LAKE	AMHERST, MERRIMACK	227.928	ACRES	Aquatic Life Integrity	Chlorophyll-a	2-M	5/12/2011	BABOOSIC LAKE	40277	Non-ORW
2020/2022	NHLAK700060905-01-01	BABOOSIC LAKE	AMHERST, MERRIMACK	227.928	ACRES	Aquatic Life Integrity	pH	5-M	5/12/2011	BABOOSIC LAKE	40277	Non-ORW
2020/2022	NHLAK700060905-01-01	BABOOSIC LAKE	AMHERST, MERRIMACK	227.928	ACRES	Aquatic Life Integrity	Phosphorus (Total)	3-PNS	5/12/2011	BABOOSIC LAKE	40277	Non-ORW
2020/2022	NHLAK700060905-01-01	BABOOSIC LAKE	AMHERST, MERRIMACK	227.928	ACRES	Primary Contact Recreation	Chlorophyll-a	2-M	5/12/2011	BABOOSIC LAKE	40277	Non-ORW
2020/2022	NHLAK700060905-01-01	BABOOSIC LAKE	AMHERST, MERRIMACK	227.928	ACRES	Primary Contact Recreation	Cyanobacteria hepatotoxic microcystins	4A-M	5/12/2011	BABOOSIC LAKE	40277	Non-ORW
2020/2022	NHLAK700060905-01-01	BABOOSIC LAKE	AMHERST, MERRIMACK	227.928	ACRES	Primary Contact Recreation	Escherichia coli	2-G	9/21/2010	NEW HAMPSHIRE STATEWIDE BACTERIA	39272	Non-ORW
2020/2022	NHLAK700060905-01-02	BABOOSIC LAKE - TOWN BEACH	AMHERST	1.280	ACRES	Primary Contact Recreation	Cyanobacteria hepatotoxic microcystins	4A-M	5/12/2011	BABOOSIC LAKE	40277	Non-ORW
2020/2022	NHLAK700060905-01-02	BABOOSIC LAKE - TOWN BEACH	AMHERST	1.280	ACRES	Primary Contact Recreation	Escherichia coli	4A-M	9/21/2010	NEW HAMPSHIRE STATEWIDE BACTERIA	39275	Non-ORW
2020/2022	NHLAK700060905-01-02	BABOOSIC LAKE - TOWN BEACH	AMHERST	1.280	ACRES	Primary Contact Recreation	Excess Algal Growth	4A-M	5/12/2011	BABOOSIC LAKE	40277	Non-ORW
2020/2022	NHLAK700060905-01-03	BABOOSIC LAKE - YOUNG JUDAEA BEACH	AMHERST	1.380	ACRES	Primary Contact Recreation	Cyanobacteria hepatotoxic microcystins	4A-M	5/12/2011	BABOOSIC LAKE	40277	Non-ORW
2020/2022	NHLAK700060906-01	HONEY POT POND	AMHERST	11.501	ACRES	Aquatic Life Integrity	pH	5-P				Non-ORW
2020/2022	NHLAK700060906-01	HONEY POT POND	AMHERST	11.501	ACRES	Primary Contact Recreation	Chlorophyll-a	5-P				Non-ORW
2020/2022	NHLAK700061001-02-01	SILVER LAKE	HOLLIS	39.026	ACRES	Primary Contact Recreation	Cyanobacteria hepatotoxic microcystins	5-P				Non-ORW
2020/2022	NHLAK700061001-02-02	SILVER LAKE - STATE PARK BEACH	HOLLIS	1.280	ACRES	Primary Contact Recreation	Cyanobacteria hepatotoxic microcystins	5-P				Non-ORW
2020/2022	NHLAK700061001-02-02	SILVER LAKE - STATE PARK BEACH	HOLLIS	1.280	ACRES	Primary Contact Recreation	Escherichia coli	4A-P	9/21/2010	NEW HAMPSHIRE STATEWIDE BACTERIA	39275	Non-ORW
2020/2022	NHLAK700061001-04-01	HARRIS POND	NASHUA, MERRIMACK	72.079	ACRES	Aquatic Life Integrity	Iron	5-M				Non-ORW
2020/2022	NHLAK700061001-04-01	HARRIS POND	NASHUA, MERRIMACK	72.079	ACRES	Primary Contact Recreation	Cyanobacteria hepatotoxic microcystins	5-M				Non-ORW
2020/2022	NHLAK700061001-04-02	BOWERS POND	MERRIMACK, NASHUA	79.221	ACRES	Aquatic Life Integrity	Iron	5-M				Non-ORW
2020/2022	NHLAK700061001-06	HOLT POND	MERRIMACK, NASHUA	21.385	ACRES	Aquatic Life Integrity	Dissolved oxygen saturation	5-M				Non-ORW
2020/2022	NHLAK700061001-06	HOLT POND	MERRIMACK, NASHUA	21.385	ACRES	Aquatic Life Integrity	Oxygen, Dissolved	5-P				Non-ORW
2020/2022	NHLAK700061001-06	HOLT POND	MERRIMACK, NASHUA	21.385	ACRES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHLAK700061002-01-01	DARRAH POND	LITCHFIELD	12.519	ACRES	Aquatic Life Integrity	Chlorophyll-a	5-P				Non-ORW
2020/2022	NHLAK700061002-01-01	DARRAH POND	LITCHFIELD	12.519	ACRES	Aquatic Life Integrity	pH	4A-P	9/24/2004	DARRAH POND	11475	Non-ORW
2020/2022	NHLAK700061002-01-01	DARRAH POND	LITCHFIELD	12.519	ACRES	Aquatic Life Integrity	Phosphorus (Total)	5-P				Non-ORW
2020/2022	NHLAK700061002-01-01	DARRAH POND	LITCHFIELD	12.519	ACRES	Primary Contact Recreation	Cyanobacteria hepatotoxic microcystins	5-M				Non-ORW
2020/2022	NHLAK700061002-01-02	DARRAH POND - TOWN BEACH	LITCHFIELD	0.533	ACRES	Aquatic Life Integrity	pH	4A-P	9/14/2006	DARRAH LAKE TOWN BEACH	30662	Non-ORW
2020/2022	NHLAK700061002-03	HORSESHOE POND	MERRIMACK	43.622	ACRES	Aquatic Life Integrity	Chlorophyll-a	3-ND	5/12/2011	HORSESHOE POND	40289	Non-ORW
2020/2022	NHLAK700061002-03	HORSESHOE POND	MERRIMACK	43.622	ACRES	Aquatic Life Integrity	Non-Native Aquatic Plants	4C-M				Non-ORW
2020/2022	NHLAK700061002-03	HORSESHOE POND	MERRIMACK	43.622	ACRES	Aquatic Life Integrity	pH	4A-M	9/20/2007	158 ACID PONDS	33878	Non-ORW
2020/2022	NHLAK700061002-03	HORSESHOE POND	MERRIMACK	43.622	ACRES	Primary Contact Recreation	Chlorophyll-a	4A-M	5/12/2011	HORSESHOE POND	40289	Non-ORW
2020/2022	NHLAK700061002-03	HORSESHOE POND	MERRIMACK	43.622	ACRES	Primary Contact Recreation	Cyanobacteria hepatotoxic microcystins	4A-M	5/12/2011	HORSESHOE POND	40289	Non-ORW
2020/2022	NHLAK700061002-04-01	NATICOOK LAKE	MERRIMACK	62.213	ACRES	Aquatic Life Integrity	Non-Native Aquatic Plants	4C-M				Non-ORW
2020/2022	NHLAK700061002-04-02	NATICOOK LAKE - WASSERMAN PARK BEACH	MERRIMACK	0.485	ACRES	Primary Contact Recreation	Escherichia coli	4A-P	9/21/2010	NEW HAMPSHIRE STATEWIDE BACTERIA	39275	Non-ORW
2020/2022	NHLAK700061101-01-01	ISLAND POND	DERRY, ATKINSON, HAMPSTEAD	530.248	ACRES	Aquatic Life Integrity	Chlorophyll-a	5-M				Non-ORW
2020/2022	NHLAK700061101-01-01	ISLAND POND	DERRY, ATKINSON, HAMPSTEAD	530.248	ACRES	Aquatic Life Integrity	Non-Native Aquatic Plants	4C-P				Non-ORW
2020/2022	NHLAK700061101-01-01	ISLAND POND	DERRY, ATKINSON, HAMPSTEAD	530.248	ACRES	Aquatic Life Integrity	pH	4A-M	9/20/2007	158 ACID PONDS	33878	Non-ORW
2020/2022	NHLAK700061101-01-01	ISLAND POND	DERRY, ATKINSON, HAMPSTEAD	530.248	ACRES	Aquatic Life Integrity	Phosphorus (Total)	5-M				Non-ORW
2020/2022	NHLAK700061101-01-01	ISLAND POND	DERRY, ATKINSON, HAMPSTEAD	530.248	ACRES	Primary Contact Recreation	Cyanobacteria hepatotoxic microcystins	5-M				Non-ORW
2020/2022	NHLAK700061101-01-02	ISLAND POND - CHASE'S GROVE	DERRY	0.315	ACRES	Aquatic Life Integrity	pH	3-ND	1/26/2011	CHASE'S GROVE ON ISLAND POND	39716	Non-ORW
2020/2022	NHLAK700061101-01-02	ISLAND POND - CHASE'S GROVE	DERRY	0.315	ACRES	Primary Contact Recreation	Escherichia coli	4A-P	9/21/2010	NEW HAMPSHIRE STATEWIDE BACTERIA	39275	Non-ORW
2020/2022	NHLAK700061101-01-03	ISLAND POND - SANBORN SHORE ACRES	HAMPSTEAD	1.280	ACRES	Aquatic Life Integrity	pH	3-ND	1/26/2011	SANBORN SHORE ACRES ON ISLAND POND	39717	Non-ORW
2020/2022	NHLAK700061101-03-02	WASH POND - TOWN BEACH	HAMPSTEAD	1.280	ACRES	Primary Contact Recreation	Escherichia coli	4A-P	9/21/2010	NEW HAMPSHIRE STATEWIDE BACTERIA	39275	Non-ORW
2020/2022	NHLAK700061101-03-03	SUNSET LAKE - SUNSET PARK BEACH	HAMPSTEAD	0.800	ACRES	Primary Contact Recreation	Escherichia coli	2-M	9/21/2010	NEW HAMPSHIRE STATEWIDE BACTERIA	39275	Non-ORW
2020/2022	NHLAK700061101-04	ARLINGTON MILL RESERVOIR	SALEM	267.932	ACRES	Aquatic Life Integrity	Non-Native Aquatic Plants	4C-M				Non-ORW
2020/2022	NHLAK700061101-04	ARLINGTON MILL RESERVOIR	SALEM	267.932	ACRES	Primary Contact Recreation	Cyanobacteria hepatotoxic microcystins	5-M				Non-ORW
2020/2022	NHLAK700061101-04-02	ARLINGTON MILL RESERVOIR-SECOND ST BEACH	SALEM	0.154	ACRES	Primary Contact Recreation	Escherichia coli	4A-P	8/29/2011	58 NH BACTERIA IMPAIRED WATERS	40667	Non-ORW
2020/2022	NHLAK700061101-04-03	ARLINGTON MILL RESERVOIR-ARLINGTON POND IMPROVEMENT ASSOCIATION	SALEM	1.235	ACRES	Primary Contact Recreation	Escherichia coli	4A-P	9/30/2013	44 Bacteria Impaired Waters	55224	Non-ORW
2020/2022	NHLAK700061102-02	CANOBIE LAKE	WINDHAM, SALEM	374.135	ACRES	Aquatic Life Integrity	Dissolved oxygen saturation	5-M				Non-ORW
2020/2022	NHLAK700061102-02	CANOBIE LAKE	WINDHAM, SALEM	374.135	ACRES	Aquatic Life Integrity	Oxygen, Dissolved	5-P				Non-ORW
2020/2022	NHLAK700061102-03-01	CAPTAIN POND	SALEM	86.461	ACRES	Aquatic Life Integrity	Chlorophyll-a	4A-M	9/28/2017	Captain Pond	68371	Non-ORW
2020/2022	NHLAK700061102-03-01	CAPTAIN POND	SALEM	86.461	ACRES	Aquatic Life Integrity	Dissolved oxygen saturation	5-M	9/28/2017	Captain Pond	68371	Non-ORW
2020/2022	NHLAK700061102-03-01	CAPTAIN POND	SALEM	86.461	ACRES	Aquatic Life Integrity	Non-Native Aquatic Plants	4C-M				Non-ORW
2020/2022	NHLAK700061102-03-01	CAPTAIN POND	SALEM	86.461	ACRES	Aquatic Life Integrity	Oxygen, Dissolved	3-PAS	9/28/2017	Captain Pond	68371	Non-ORW
2020/2022	NHLAK700061102-03-01	CAPTAIN POND	SALEM	86.461	ACRES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHLAK700061102-03-01	CAPTAIN POND	SALEM	86.461	ACRES	Aquatic Life Integrity	Phosphorus (Total)	4A-M	9/28/2017	Captain Pond	68371	Non-ORW
2020/2022	NHLAK700061102-03-02	CAPTAIN POND - CAPTAIN'S BEACH	SALEM	1.280	ACRES	Primary Contact Recreation	Escherichia coli	4A-P	9/21/2010	NEW HAMPSHIRE STATEWIDE BACTERIA	39275	Non-ORW
2020/2022	NHLAK700061102-03-03	CAPTAIN POND - CAMP OTTER SWIM AREA BEACH	SALEM	1.380	ACRES	Primary Contact Recreation	Escherichia coli	4A-P	9/21/2010	NEW HAMPSHIRE STATEWIDE BACTERIA	39275	Non-ORW
2020/2022	NHLAK700061102-03-06	CAPTAIN POND - CAMP HADAR	SALEM	0.196	ACRES	Primary Contact Recreation	Escherichia coli	4A-P	9/29/2016	Camp Hadar Beach, Captain Pond	66414	Non-ORW
2020/2022	NHLAK700061102-06-02	MILLVILLE LAKE - TOWN BEACH	SALEM	1.280	ACRES	Primary Contact Recreation	Escherichia coli	4A-P	8/29/2011	58 NH BACTERIA IMPAIRED WATERS	40667	Non-ORW
2020/2022	NHLAK700061102-08	SEAVEY POND	WINDHAM	10.634	ACRES	Aquatic Life Integrity	Dissolved oxygen saturation	5-M				Non-ORW
2020/2022	NHLAK700061102-08	SEAVEY POND	WINDHAM	10.634	ACRES	Aquatic Life Integrity	Oxygen, Dissolved	5-M				Non-ORW
2020/2022	NHLAK700061102-08	SEAVEY POND	WINDHAM	10.634	ACRES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHLAK700061102-09-01	SHADOW LAKE	WINDHAM, SALEM	35.331	ACRES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHLAK700061102-09-02	SHADOW LAKE - SHADOW LAKE ASSOCIATION BEACH	SALEM	1.280	ACRES	Primary Contact Recreation	Escherichia coli	5-P				Non-ORW
2020/2022	NHLAK700061102-13	HEDGEHOG POND - TOWN BEACH	SALEM	7.588	ACRES	Primary Contact Recreation	Escherichia coli	4A-P	9/30/2013	44 Bacteria Impaired Waters	55224	Non-ORW
2020/2022	NHLAK700061102-13-02	HEDGEHOG POND	SALEM	7.588	ACRES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHLAK700061102-14	WILSON POND	SALEM	15.117	ACRES	Aquatic Life Integrity	Non-Native Aquatic Plants	4C-P				Non-ORW
2020/2022	NHLAK700061203-02-01	BEAVER LAKE	DERRY	136.957	ACRES	Aquatic Life Integrity	Chlorophyll-a	5-M				Non-ORW
2020/2022	NHLAK700061203-02-01	BEAVER LAKE	DERRY	136.957	ACRES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHLAK700061203-02-01	BEAVER LAKE	DERRY	136.957	ACRES	Aquatic Life Integrity	Phosphorus (Total)	5-M				Non-ORW
2020/2022	NHLAK700061203-02-02	BEAVER LAKE - GALLIEN'S BEACH	DERRY	0.582	ACRES	Primary Contact Recreation	Escherichia coli	4A-M	9/21/2010	NEW HAMPSHIRE STATEWIDE BACTERIA	39275	Non-ORW
2020/2022	NHLAK700061203-03-01	HOODS POND	DERRY	5.484	ACRES	Primary Contact Recreation	Cyanobacteria hepatotoxic microcystins	3-PAS	6/1/2012	Hoods Pond	41871	Non-ORW
2020/2022	NHLAK700061203-03-02	HOODS POND - TOWN BEACH	DERRY	1.280	ACRES	Primary Contact Recreation	Escherichia coli	4A-P	9/21/2010	NEW HAMPSHIRE STATEWIDE BACTERIA	39275	Non-ORW
2020/2022	NHLAK700061203-04	KENDALL POND	LONDONDERRY	8.085	ACRES	Aquatic Life Integrity	Dissolved oxygen saturation	5-M				Non-ORW

2020/2022	NHLAK700061203-05	RAINBOW LAKE	DERRY	11.574	ACRES	Aquatic Life Integrity	Dissolved oxygen saturation	5-M					Non-ORW
2020/2022	NHLAK700061203-05	RAINBOW LAKE	DERRY	11.574	ACRES	Aquatic Life Integrity	Oxygen, Dissolved	5-M					Non-ORW
2020/2022	NHLAK700061203-05	RAINBOW LAKE	DERRY	11.574	ACRES	Aquatic Life Integrity	pH	5-P					Non-ORW
2020/2022	NHLAK700061203-05-02	RAINBOW LAKE - KAREN-GENA BEACH	DERRY	0.320	ACRES	Primary Contact Recreation	Escherichia coli	4A-P	9/21/2010	NEW HAMPSHIRE STATEWIDE BACTERIA	39275		Non-ORW
2020/2022	NHLAK700061203-06-01	ROBINSON POND	HUDSON	128.241	ACRES	Aquatic Life Integrity	Chlorophyll-a	4A-P	5/12/2011	ROBINSON POND	40295		Non-ORW
2020/2022	NHLAK700061203-06-01	ROBINSON POND	HUDSON	128.241	ACRES	Aquatic Life Integrity	Dissolved oxygen saturation	4A-M	5/12/2011	ROBINSON POND	40295		Non-ORW
2020/2022	NHLAK700061203-06-01	ROBINSON POND	HUDSON	128.241	ACRES	Aquatic Life Integrity	Non-Native Aquatic Plants	4C-M					Non-ORW
2020/2022	NHLAK700061203-06-01	ROBINSON POND	HUDSON	128.241	ACRES	Aquatic Life Integrity	pH	4A-M	9/20/2007	158 ACID PONDS	33878		Non-ORW
2020/2022	NHLAK700061203-06-01	ROBINSON POND	HUDSON	128.241	ACRES	Aquatic Life Integrity	Phosphorus (Total)	4A-M	5/12/2011	ROBINSON POND	40295		Non-ORW
2020/2022	NHLAK700061203-06-01	ROBINSON POND	HUDSON	128.241	ACRES	Primary Contact Recreation	Chlorophyll-a	4A-M	5/12/2011	ROBINSON POND	40295		Non-ORW
2020/2022	NHLAK700061203-06-01	ROBINSON POND	HUDSON	128.241	ACRES	Primary Contact Recreation	Cyanobacteria hepatotoxic microcystins	4A-M	5/12/2011	ROBINSON POND	40295		Non-ORW
2020/2022	NHLAK700061203-06-01	ROBINSON POND	HUDSON	128.241	ACRES	Primary Contact Recreation	Escherichia coli	4A-M	9/21/2010	NEW HAMPSHIRE STATEWIDE BACTERIA	39272		Non-ORW
2020/2022	NHLAK700061203-06-02	ROBINSON POND - TOWN BEACH	HUDSON	0.582	ACRES	Aquatic Life Integrity	Dissolved oxygen saturation	3-ND	5/12/2011	ROBINSON POND	40295		Non-ORW
2020/2022	NHLAK700061203-06-02	ROBINSON POND - TOWN BEACH	HUDSON	0.582	ACRES	Aquatic Life Integrity	pH	3-ND	11/21/2007	114 ACID PONDS	33879		Non-ORW
2020/2022	NHLAK700061203-06-02	ROBINSON POND - TOWN BEACH	HUDSON	0.582	ACRES	Primary Contact Recreation	Cyanobacteria hepatotoxic microcystins	4A-M	5/12/2011	ROBINSON POND	40295		Non-ORW
2020/2022	NHLAK700061203-06-02	ROBINSON POND - TOWN BEACH	HUDSON	0.582	ACRES	Primary Contact Recreation	Escherichia coli	4A-P	9/21/2010	NEW HAMPSHIRE STATEWIDE BACTERIA	39275		Non-ORW
2020/2022	NHLAK700061203-06-03	ROBINSON POND - CAMP WINAHUPE BEACH	HUDSON	1.380	ACRES	Aquatic Life Integrity	Dissolved oxygen saturation	3-ND	5/12/2011	ROBINSON POND	40295		Non-ORW
2020/2022	NHLAK700061203-06-03	ROBINSON POND - CAMP WINAHUPE BEACH	HUDSON	1.380	ACRES	Aquatic Life Integrity	pH	3-ND	11/21/2007	114 ACID PONDS	33879		Non-ORW
2020/2022	NHLAK700061204-01-01	COBBETTS POND	WINDHAM	301.375	ACRES	Aquatic Life Integrity	Chlorophyll-a	5-M					Non-ORW
2020/2022	NHLAK700061204-01-01	COBBETTS POND	WINDHAM	301.375	ACRES	Aquatic Life Integrity	Non-Native Aquatic Plants	4C-M					Non-ORW
2020/2022	NHLAK700061204-01-01	COBBETTS POND	WINDHAM	301.375	ACRES	Aquatic Life Integrity	pH	5-M					Non-ORW
2020/2022	NHLAK700061204-01-01	COBBETTS POND	WINDHAM	301.375	ACRES	Aquatic Life Integrity	Phosphorus (Total)	5-M					Non-ORW
2020/2022	NHLAK700061204-01-01	COBBETTS POND	WINDHAM	301.375	ACRES	Primary Contact Recreation	Cyanobacteria hepatotoxic microcystins	5-M					Non-ORW
2020/2022	NHLAK700061204-01-03	COBBETTS POND - TOWN BEACH	WINDHAM	0.533	ACRES	Primary Contact Recreation	Cyanobacteria hepatotoxic microcystins	5-M					Non-ORW
2020/2022	NHLAK700061204-01-03	COBBETTS POND - TOWN BEACH	WINDHAM	0.533	ACRES	Primary Contact Recreation	Escherichia coli	4A-P	9/30/2013	44 Bacteria Impaired Waters	55224		Non-ORW
2020/2022	NHLAK700061204-02	LITTLE ISLAND POND	PELHAM	159.241	ACRES	Aquatic Life Integrity	pH	4A-M	9/20/2007	158 ACID PONDS	33878		Non-ORW
2020/2022	NHLAK700061204-02	LITTLE ISLAND POND	PELHAM	159.241	ACRES	Primary Contact Recreation	Cyanobacteria hepatotoxic microcystins	5-M					Non-ORW
2020/2022	NHLAK700061204-02-02	LITTLE ISLAND POND - CAMP RUNELS BEACH	PELHAM	1.380	ACRES	Aquatic Life Integrity	pH	3-ND	11/21/2007	114 ACID PONDS	33879		Non-ORW
2020/2022	NHLAK700061204-03	ROCK POND	WINDHAM	33.272	ACRES	Aquatic Life Integrity	pH	2-G	9/20/2007	158 ACID PONDS	33878		Non-ORW
2020/2022	NHLAK700061205-01	GUMPAS POND	PELHAM	93.203	ACRES	Aquatic Life Integrity	pH	4A-M	9/20/2007	158 ACID PONDS	33878		Non-ORW
2020/2022	NHLAK700061205-02-01	LONG POND	PELHAM	29.427	ACRES	Aquatic Life Integrity	Chlorophyll-a	5-P					Non-ORW
2020/2022	NHLAK700061205-02-01	LONG POND	PELHAM	29.427	ACRES	Aquatic Life Integrity	Dissolved oxygen saturation	5-P					Non-ORW
2020/2022	NHLAK700061205-02-01	LONG POND	PELHAM	29.427	ACRES	Aquatic Life Integrity	Oxygen, Dissolved	5-P					Non-ORW
2020/2022	NHLAK700061205-02-01	LONG POND	PELHAM	29.427	ACRES	Aquatic Life Integrity	Phosphorus (Total)	5-M					Non-ORW
2020/2022	NHLAK700061205-02-01	LONG POND	PELHAM	29.427	ACRES	Primary Contact Recreation	Chlorophyll-a	5-M					Non-ORW
2020/2022	NHLAK700061205-02-01	LONG POND	PELHAM	29.427	ACRES	Primary Contact Recreation	Cyanobacteria hepatotoxic microcystins	5-M					Non-ORW
2020/2022	NHLAK700061205-02-02	LONG POND - TOWN BEACH	PELHAM	0.630	ACRES	Primary Contact Recreation	Cyanobacteria hepatotoxic microcystins	5-M					Non-ORW
2020/2022	NHLAK700061205-02-02	LONG POND - TOWN BEACH	PELHAM	0.630	ACRES	Primary Contact Recreation	Escherichia coli	2-M	9/21/2010	NEW HAMPSHIRE STATEWIDE BACTERIA	39275		Non-ORW
2020/2022	NHLAK700061206-02	OTTERNICK POND	HUDSON	40.052	ACRES	Aquatic Life Integrity	Dissolved oxygen saturation	5-M					Non-ORW
2020/2022	NHLAK700061206-02	OTTERNICK POND	HUDSON	40.052	ACRES	Aquatic Life Integrity	Non-Native Aquatic Plants	4C-M					Non-ORW
2020/2022	NHLAK700061206-02	OTTERNICK POND	HUDSON	40.052	ACRES	Aquatic Life Integrity	Oxygen, Dissolved	5-P					Non-ORW
2020/2022	NHLAK700061206-02	OTTERNICK POND	HUDSON	40.052	ACRES	Primary Contact Recreation	Chlorophyll-a	5-M					Non-ORW
2020/2022	NHLAK700061403-01-01	ANGLE POND	SANDOWN, HAMPSTEAD	160.330	ACRES	Aquatic Life Integrity	pH	5-M					Non-ORW
2020/2022	NHLAK700061403-01-01	ANGLE POND	SANDOWN, HAMPSTEAD	160.330	ACRES	Primary Contact Recreation	Cyanobacteria hepatotoxic microcystins	5-M					Non-ORW
2020/2022	NHLAK700061403-03-01	COUNTRY POND	KINGSTON, NEWTON	305.214	ACRES	Aquatic Life Integrity	pH	5-M					Non-ORW
2020/2022	NHLAK700061403-03-01	COUNTRY POND	KINGSTON, NEWTON	305.214	ACRES	Fish Consumption	PCBS - FISH CONSUMPTION ADVISORY	5-M					Non-ORW
2020/2022	NHLAK700061403-03-01	COUNTRY POND	KINGSTON, NEWTON	305.214	ACRES	Primary Contact Recreation	Cyanobacteria hepatotoxic microcystins	4A-P	5/12/2011	COUNTRY POND	40279		Non-ORW
2020/2022	NHLAK700061403-03-02	COUNTRY POND - TOWN BEACH	NEWTON	0.388	ACRES	Primary Contact Recreation	Cyanobacteria hepatotoxic microcystins	4A-P	5/12/2011	COUNTRY POND	40279		Non-ORW
2020/2022	NHLAK700061403-03-03	COUNTRY POND - LONE TREE SCOUT RESV. BEACH	KINGSTON	1.380	ACRES	Primary Contact Recreation	Cyanobacteria hepatotoxic microcystins	4A-P	5/12/2011	COUNTRY POND	40279		Non-ORW
2020/2022	NHLAK700061403-03-03	COUNTRY POND - LONE TREE SCOUT RESV. BEACH	KINGSTON	1.380	ACRES	Primary Contact Recreation	Escherichia coli	2-G	9/21/2010	NEW HAMPSHIRE STATEWIDE BACTERIA	39275		Non-ORW
2020/2022	NHLAK700061403-03-04	COUNTRY POND - TASKER DAY CAMP BEACH	NEWTON	1.380	ACRES	Primary Contact Recreation	Cyanobacteria hepatotoxic microcystins	4A-P	5/12/2011	COUNTRY POND	40279		Non-ORW
2020/2022	NHLAK700061403-04	CUB POND	SANDOWN, DANVILLE	58.312	ACRES	Aquatic Life Integrity	pH	5-M					Non-ORW
2020/2022	NHLAK700061403-05	LITTLE CUB POND	DANVILLE	11.586	ACRES	Aquatic Life Integrity	pH	5-M					Non-ORW
2020/2022	NHLAK700061403-06-01	GREAT POND	KINGSTON	267.251	ACRES	Aquatic Life Integrity	Dissolved oxygen saturation	5-M					Non-ORW
2020/2022	NHLAK700061403-06-01	GREAT POND	KINGSTON	267.251	ACRES	Aquatic Life Integrity	pH	5-M					Non-ORW
2020/2022	NHLAK700061403-06-02	GREAT POND - KINGSTON STATE PARK BEACH	KINGSTON	0.752	ACRES	Primary Contact Recreation	Escherichia coli	4A-M	9/21/2010	NEW HAMPSHIRE STATEWIDE BACTERIA	39275		Non-ORW
2020/2022	NHLAK700061403-06-04	GREAT POND - CAMP LINCOLN BEACH	KINGSTON	1.380	ACRES	Primary Contact Recreation	Escherichia coli	5-P					Non-ORW
2020/2022	NHLAK700061403-06-05	GREAT POND- GREAT POND PARK ASSOCIATION BEACH	KINGSTON	0.103	ACRES	Primary Contact Recreation	Escherichia coli	4A-P	9/30/2015	Jewett Brook, Locke Lake, Great Pond	64647		Non-ORW
2020/2022	NHLAK700061403-07	GREENWOOD POND	KINGSTON	50.148	ACRES	Primary Contact Recreation	Cyanobacteria hepatotoxic microcystins	4A-M	5/12/2011	GREENWOOD POND	40285		Non-ORW
2020/2022	NHLAK700061403-08	HALFMOON POND	KINGSTON	19.087	ACRES	Aquatic Life Integrity	Chlorophyll-a	3-ND	5/12/2011	HALFMOON POND	40286		Non-ORW
2020/2022	NHLAK700061403-08	HALFMOON POND	KINGSTON	19.087	ACRES	Primary Contact Recreation	Chlorophyll-a	4A-M	5/12/2011	HALFMOON POND	40286		Non-ORW
2020/2022	NHLAK700061403-08	HALFMOON POND	KINGSTON	19.087	ACRES	Primary Contact Recreation	Cyanobacteria hepatotoxic microcystins	4A-M	5/12/2011	HALFMOON POND	40286		Non-ORW
2020/2022	NHLAK700061403-09	LONG POND	DANVILLE, KINGSTON	102.540	ACRES	Aquatic Life Integrity	Non-Native Aquatic Plants	4C-M					Non-ORW
2020/2022	NHLAK700061403-10	TUXBURY POND	SOUTH HAMPTON	77.180	ACRES	Aquatic Life Integrity	Dissolved oxygen saturation	5-M					Non-ORW
2020/2022	NHLAK700061403-10	TUXBURY POND	SOUTH HAMPTON	77.180	ACRES	Aquatic Life Integrity	Oxygen, Dissolved	5-M					Non-ORW
2020/2022	NHLAK700061403-10	TUXBURY POND	SOUTH HAMPTON	77.180	ACRES	Aquatic Life Integrity	pH	5-M					Non-ORW
2020/2022	NHLAK801010101-01	SECOND CONNECTICUT LAKE	PITTSBURG	1099.293	ACRES								ORW
2020/2022	NHLAK801010101-02	THIRD CONNECTICUT LAKE	PITTSBURG	230.171	ACRES								ORW
2020/2022	NHLAK801010101-03	FOURTH LAKE	PITTSBURG	1.754	ACRES								ORW
2020/2022	NHLAK801010101-04	UPPER MOOSE FALLS POND	PITTSBURG	24.818	ACRES								ORW
2020/2022	NHLAK801010102-01	BIG BROOK POND	PITTSBURG	35.972	ACRES								ORW
2020/2022	NHLAK801010102-02	FIRST CONNECTICUT LAKE	PITTSBURG	3063.357	ACRES								ORW
2020/2022	NHLAK801010102-03	ROUND POND	PITTSBURG	58.915	ACRES	Aquatic Life Integrity	pH	4A-M	9/20/2007	158 ACID PONDS	33878		ORW
2020/2022	NHLAK801010102-04	MUD POND	PITTSBURG	7.650	ACRES								ORW
2020/2022	NHLAK801010102-05	UNNAMED POND	PITTSBURG	0.607	ACRES								ORW
2020/2022	NHLAK801010103-02	PERRY PONDS	PITTSBURG	13.799	ACRES								ORW
2020/2022	NHLAK801010103-03	WRIGHT POND	PITTSBURG	5.008	ACRES								ORW
2020/2022	NHLAK801010103-04	JACQUITH POND	PITTSBURG	1.443	ACRES								ORW
2020/2022	NHLAK801010103-05	UNNAMED POND	PITTSBURG	1.414	ACRES								ORW
2020/2022	NHLAK801010103-06	UNNAMED POND	PITTSBURG	1.620	ACRES								ORW
2020/2022	NHLAK801010103-07	PERRY POND	PITTSBURG	0.786	ACRES								ORW
2020/2022	NHLAK801010104-01	CARR POND	CLARKSVILLE	11.034	ACRES								ORW
2020/2022	NHLAK801010104-02	LAKE FRANCIS	CLARKSVILLE, PITTSBURG	1929.009	ACRES								ORW
2020/2022	NHLAK801010104-03	UNNAMED POND	CLARKSVILLE	1.700	ACRES								ORW
2020/2022	NHLAK801010202-01	HARRIS POND	PITTSBURG	3.028	ACRES								ORW
2020/2022	NHLAK801010202-02	MIDDLE POND	PITTSBURG	7.655	ACRES								ORW
2020/2022	NHLAK801010202-03	MOOSE POND	PITTSBURG	10.008	ACRES								ORW

2020/2022	NHLAK801010202-04	UNNAMED POND	PITTSBURG	5.776	ACRES							ORW
2020/2022	NHLAK801010203-01-01	BACK LAKE	PITTSBURG	346.491	ACRES	Primary Contact Recreation	Cyanobacteria hepatotoxic microcystins	4A-M	5/12/2011	BACK LAKE	40278	ORW
2020/2022	NHLAK801010203-01-02	BACK LAKE - TOWN BEACH	PITTSBURG	1.280	ACRES							ORW
2020/2022	NHLAK801010301-01	CLARKSVILLE POND	CLARKSVILLE	22.137	ACRES							ORW
2020/2022	NHLAK801010303-01	UNNAMED POND	PITTSBURG	1.058	ACRES							ORW
2020/2022	NHLAK801010305-01	BACK POND	STEWARTSTOWN	25.628	ACRES							ORW
2020/2022	NHLAK801010401-01	ABENIKI LAKE	DIXVILLE	3.188	ACRES							ORW
2020/2022	NHLAK801010401-02	MUD POND	DIXVILLE	39.808	ACRES							ORW
2020/2022	NHLAK801010403-01	CRANBERRY BOG POND	COLUMBIA	4.022	ACRES							ORW
2020/2022	NHLAK801010403-02	FISH POND	COLUMBIA	38.809	ACRES							ORW
2020/2022	NHLAK801010403-03	LIME POND	COLUMBIA	14.441	ACRES							ORW
2020/2022	NHLAK801010701-01	POND OF SAFETY	RANDOLPH	17.559	ACRES							ORW
2020/2022	NHLAK801010701-02	YORK POND	BERLIN	21.583	ACRES							ORW
2020/2022	NHLAK801010701-02-02	YORK POND - BARRY CONSERVATION CAMP BEACH	BERLIN	1.380	ACRES							ORW
2020/2022	NHLAK801010701-03	UNKNOWN POND	KILKENNY	4.866	ACRES							ORW
2020/2022	NHLAK801010706-01	LITTLE BOG POND	ODELL	34.074	ACRES	Aquatic Life Integrity	Aluminum	4A-M	9/24/2004	BOG POND LITTLE	11465	Non-ORW
2020/2022	NHLAK801010706-01	LITTLE BOG POND	ODELL	34.074	ACRES	Aquatic Life Integrity	pH	4A-M	9/24/2004	BOG POND LITTLE	11465	Non-ORW
2020/2022	NHLAK801010706-03	ONE AND TWO TRIO PONDS	ODELL	68.795	ACRES	Aquatic Life Integrity	Aluminum	5-M				Non-ORW
2020/2022	NHLAK801010706-03	ONE AND TWO TRIO PONDS	ODELL	68.795	ACRES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHLAK801010706-04	WHITCOMB POND	ODELL	18.562	ACRES	Aquatic Life Integrity	Aluminum	5-M				Non-ORW
2020/2022	NHLAK801010706-04	WHITCOMB POND	ODELL	18.562	ACRES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHLAK801010707-01-01	CHRISTINE LAKE	STARK	196.256	ACRES	Aquatic Life Integrity	pH	4A-M	9/20/2007	158 ACID PONDS	33878	Non-ORW
2020/2022	NHLAK801010707-01-02	CHRISTINE LAKE - TB BEACH	STARK	1.380	ACRES	Aquatic Life Integrity	pH	3-ND	11/21/2007	114 ACID PONDS	33879	Non-ORW
2020/2022	NHLAK801010707-02	NORTH POND	STARK	22.377	ACRES							ORW
2020/2022	NHLAK801010707-04-01	SOUTH POND	STARK	109.111	ACRES							ORW
2020/2022	NHLAK801010707-04-02	SOUTH POND - REC AREA BEACH	STARK	1.309	ACRES							ORW
2020/2022	NHLAK801010707-05	ROCKY POND	STARK	10.984	ACRES							ORW
2020/2022	NHLAK801010707-06	UNNAMED POND	STARK	1.454	ACRES							ORW
2020/2022	NHLAK801010707-07	UNNAMED POND	STARK	4.709	ACRES							ORW
2020/2022	NHLAK801010707-08	UNNAMED POND	STARK	8.551	ACRES							ORW
2020/2022	NHLAK801010902-01	BAKER POND	LANCASTER	7.998	ACRES	Primary Contact Recreation	Chlorophyll-a	5-P				Non-ORW
2020/2022	NHLAK801030101-01-01	BURNS POND	WHITEFIELD	127.607	ACRES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHLAK801030101-01-02	BURNS POND - PUBLIC BEACH	WHITEFIELD	0.267	ACRES	Primary Contact Recreation	Escherichia coli	2-M	9/21/2010	NEW HAMPSHIRE STATEWIDE BACTERIA	39275	Non-ORW
2020/2022	NHLAK801030101-02-01	FOREST LAKE	DALTON, WHITEFIELD	195.736	ACRES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHLAK801030101-02-02	FOREST LAKE - FOREST LAKE STATE PARK	DALTON	0.727	ACRES	Primary Contact Recreation	Escherichia coli	2-M	9/21/2010	NEW HAMPSHIRE STATEWIDE BACTERIA	39276	Non-ORW
2020/2022	NHLAK801030102-02	MARTIN MEADOW POND	LANCASTER	127.708	ACRES	Aquatic Life Integrity	Chlorophyll-a	5-M				Non-ORW
2020/2022	NHLAK801030102-02	MARTIN MEADOW POND	LANCASTER	127.708	ACRES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHLAK801030102-02	MARTIN MEADOW POND	LANCASTER	127.708	ACRES	Aquatic Life Integrity	Phosphorus (Total)	5-M				Non-ORW
2020/2022	NHLAK801030102-02	MARTIN MEADOW POND	LANCASTER	127.708	ACRES	Primary Contact Recreation	Cyanobacteria hepatotoxic microcystins	5-M				Non-ORW
2020/2022	NHLAK801030102-04	CHERRY POND	JEFFERSON	120.475	ACRES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHLAK801030102-05	LITTLE CHERRY POND	JEFFERSON	21.543	ACRES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHLAK801030202-01	MOORE RESERVOIR	LITTLETON, DALTON	1746.903	ACRES	Aquatic Life Integrity	Dissolved oxygen saturation	5-M				Non-ORW
2020/2022	NHLAK801030302-01-01	ECHO LAKE	FRANCONIA	38.139	ACRES	Aquatic Life Integrity	Aluminum	4A-M	9/24/2004	ECHO LAKE	11480	ORW
2020/2022	NHLAK801030302-01-01	ECHO LAKE	FRANCONIA	38.139	ACRES	Aquatic Life Integrity	pH	4A-M	9/24/2004	ECHO LAKE	11480	ORW
2020/2022	NHLAK801030302-01-02	ECHO LAKE - FRANCONIA STATE PARK BEACH	FRANCONIA	1.188	ACRES	Aquatic Life Integrity	Aluminum	3-ND	9/24/2004	ECHO LAKE	11480	ORW
2020/2022	NHLAK801030302-01-02	ECHO LAKE - FRANCONIA STATE PARK BEACH	FRANCONIA	1.188	ACRES	Aquatic Life Integrity	pH	3-ND	9/24/2004	ECHO LAKE	11480	ORW
2020/2022	NHLAK801030302-01-02	ECHO LAKE - FRANCONIA STATE PARK BEACH	FRANCONIA	1.188	ACRES	Primary Contact Recreation	Escherichia coli	4A-P	9/21/2010	NEW HAMPSHIRE STATEWIDE BACTERIA	39275	ORW
2020/2022	NHLAK801030401-01	CLOUDS, LAKES OF THE	SARGENTS PURCHASE	0.624	ACRES							ORW
2020/2022	NHLAK801030401-02	UNNAMED POND	SARGENTS PURCHASE	0.093	ACRES							ORW
2020/2022	NHLAK801030402-02	UNNAMED POND	CARROLL	0.205	ACRES							ORW
2020/2022	NHLAK801030502-01	DODGE POND	LYMAN	54.498	ACRES	Aquatic Life Integrity	Chlorophyll-a	5-M				Non-ORW
2020/2022	NHLAK801030502-01	DODGE POND	LYMAN	54.498	ACRES	Aquatic Life Integrity	Phosphorus (Total)	5-M				Non-ORW
2020/2022	NHLAK801030502-03	PARTRIDGE LAKE	LITTLETON, LYMAN	98.726	ACRES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHLAK801030502-03	PARTRIDGE LAKE	LITTLETON, LYMAN	98.726	ACRES	Primary Contact Recreation	Cyanobacteria hepatotoxic microcystins	5-M				Non-ORW
2020/2022	NHLAK801030502-04	ROUND POND	LYMAN	18.600	ACRES	Aquatic Life Integrity	Chlorophyll-a	5-M				Non-ORW
2020/2022	NHLAK801030502-04	ROUND POND	LYMAN	18.600	ACRES	Aquatic Life Integrity	Dissolved oxygen saturation	5-M				Non-ORW
2020/2022	NHLAK801030502-04	ROUND POND	LYMAN	18.600	ACRES	Aquatic Life Integrity	Phosphorus (Total)	5-M				Non-ORW
2020/2022	NHLAK801030502-04	ROUND POND	LYMAN	18.600	ACRES	Primary Contact Recreation	Chlorophyll-a	5-M				Non-ORW
2020/2022	NHLAK801030504-01	BEAVER POND	WOODSTOCK	12.959	ACRES							ORW
2020/2022	NHLAK801030505-01	JERICHO POND	LANDAFF	3.958	ACRES							ORW
2020/2022	NHLAK801030505-02	LONG POND	BENTON	95.365	ACRES							ORW
2020/2022	NHLAK801030505-03	LOWER MOUNTAIN LAKE	HAVERHILL	39.761	ACRES	Aquatic Life Integrity	Chlorophyll-a	5-M				Non-ORW
2020/2022	NHLAK801030505-03	LOWER MOUNTAIN LAKE	HAVERHILL	39.761	ACRES	Aquatic Life Integrity	Dissolved oxygen saturation	5-M				Non-ORW
2020/2022	NHLAK801030505-03	LOWER MOUNTAIN LAKE	HAVERHILL	39.761	ACRES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHLAK801030505-03	LOWER MOUNTAIN LAKE	HAVERHILL	39.761	ACRES	Aquatic Life Integrity	Phosphorus (Total)	5-M				Non-ORW
2020/2022	NHLAK801030505-04	UPPER MOUNTAIN LAKE	HAVERHILL	23.461	ACRES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHLAK801030506-01	LAKE GARDNER	BATH	24.797	ACRES	Primary Contact Recreation	Cyanobacteria hepatotoxic microcystins	5-M				Non-ORW
2020/2022	NHLAK801030701-01	CONSTANCE LAKE	PIERMONT	8.023	ACRES	Aquatic Life Integrity	Aluminum	4A-M	9/24/2004	CONSTANCE LAKE	11473	ORW
2020/2022	NHLAK801030701-01	CONSTANCE LAKE	PIERMONT	8.023	ACRES	Aquatic Life Integrity	pH	4A-P	9/24/2004	CONSTANCE LAKE	11473	ORW
2020/2022	NHLAK801030701-02	OLIVERIAN BROOK POND	BENTON	33.083	ACRES							ORW
2020/2022	NHLAK801030703-01	FRENCH POND	HAVERHILL	31.958	ACRES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHLAK801040201-01	ARMINGTON LAKE	PIERMONT	151.905	ACRES	Aquatic Life Integrity	pH	4A-M	9/24/2004	ARMINGTON LAKE	11461	ORW
2020/2022	NHLAK801040201-01-02	LAKE ARMINGTON - CAMP WALT WHITMAN BEACH	PIERMONT	1.380	ACRES	Aquatic Life Integrity	pH	3-ND	11/30/2005	CAMP WALT WHITMAN BEACH	22522	ORW
2020/2022	NHLAK801040201-02	LAKE KATHERINE	PIERMONT	43.541	ACRES							ORW
2020/2022	NHLAK801040201-03	LAKE TARLETON	PIERMONT, WARREN	333.472	ACRES	Aquatic Life Integrity	pH	4A-M	9/20/2007	158 ACID PONDS	33878	ORW
2020/2022	NHLAK801040201-03	LAKE TARLETON	PIERMONT, WARREN	333.472	ACRES	Primary Contact Recreation	Escherichia coli	2-G	9/21/2010	NEW HAMPSHIRE STATEWIDE BACTERIA	39273	ORW
2020/2022	NHLAK801040201-03-02	LAKE TARLETON - KINGSWOOD CAMP BEACH	PIERMONT	1.380	ACRES	Aquatic Life Integrity	pH	3-ND	11/21/2007	114 ACID PONDS	33879	ORW
2020/2022	NHLAK801040201-03-03	LAKE TARLETON - LAKE TARLETON STATE PARK BEACH	PIERMONT, WARREN	0.223	ACRES							ORW
2020/2022	NHLAK801040201-04	UNNAMED POND	PIERMONT	3.373	ACRES							ORW
2020/2022	NHLAK801040202-02	PICKEREL POND	ORFORD	7.410	ACRES							ORW
2020/2022	NHLAK801040203-01-01	POST POND	LYME	113.759	ACRES	Aquatic Life Integrity	Non-Native Aquatic Plants	4C-M				Non-ORW
2020/2022	NHLAK801040203-01-01	POST POND	LYME	113.759	ACRES	Aquatic Life Integrity	pH	4A-M	9/20/2007	158 ACID PONDS	33878	Non-ORW
2020/2022	NHLAK801040203-01-02	POST POND - CHASE TOWN BEACH	LYME	0.558	ACRES	Aquatic Life Integrity	pH	3-ND	11/21/2007	114 ACID PONDS	33879	Non-ORW
2020/2022	NHLAK801040203-01-02	POST POND - CHASE TOWN BEACH	LYME	0.558	ACRES	Primary Contact Recreation	Escherichia coli	3-PNS	9/21/2010	NEW HAMPSHIRE STATEWIDE BACTERIA	39276	Non-ORW
2020/2022	NHLAK801040203-02	TROUT POND	LYME	12.147	ACRES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHLAK801040205-01-01	INDIAN POND	ORFORD	150.907	ACRES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHLAK801040401-01	HANOVER RESERVOIR	HANOVER	31.145	ACRES							ORW

2020/2022	NHLAK801040402-02-01	STORRS POND	HANOVER	15.569	ACRES	Primary Contact Recreation	Cyanobacteria hepatotoxic microcystins	5-M				Non-ORW
2020/2022	NHLAK801040402-02-02	STORRS POND - RECREATION AREA BEACH	HANOVER	0.897	ACRES	Primary Contact Recreation	Cyanobacteria hepatotoxic microcystins	5-M				Non-ORW
2020/2022	NHLAK801040402-02-02	STORRS POND - RECREATION AREA BEACH	HANOVER	0.897	ACRES	Primary Contact Recreation	Escherichia coli	2-M	8/29/2011	58 NH BACTERIA IMPAIRED WATERS	40666	Non-ORW
2020/2022	NHLAK801040402-02-03	STORRS POND - ADULT BEACH	HANOVER	1.380	ACRES	Primary Contact Recreation	Escherichia coli	2-M	8/29/2011	58 NH BACTERIA IMPAIRED WATERS	40666	Non-ORW
2020/2022	NHLAK801060101-01-01	CANAAN STREET LAKE	CANAAN	290.116	ACRES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHLAK801060101-01-02	CANAAN STREET LAKE - TOWN BEACH	CANAAN	0.436	ACRES	Primary Contact Recreation	Cyanobacteria hepatotoxic microcystins	5-M				Non-ORW
2020/2022	NHLAK801060101-01-02	CANAAN STREET LAKE - TOWN BEACH	CANAAN	0.436	ACRES	Primary Contact Recreation	Escherichia coli	4A-P	9/21/2010	NEW HAMPSHIRE STATEWIDE BACTERIA	39271	Non-ORW
2020/2022	NHLAK801060101-02	CLARK POND	CANAAN	103.881	ACRES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHLAK801060101-03	CUMMINS POND	DORCHESTER	134.484	ACRES	Aquatic Life Integrity	pH	4A-M	9/20/2007	158 ACID PONDS	33878	Non-ORW
2020/2022	NHLAK801060101-05	RESERVOIR POND	DORCHESTER, LYME	158.329	ACRES	Aquatic Life Integrity	Chlorophyll-a	5-M				Non-ORW
2020/2022	NHLAK801060101-05	RESERVOIR POND	DORCHESTER, LYME	158.329	ACRES	Aquatic Life Integrity	pH	4A-M	9/20/2007	158 ACID PONDS	33878	Non-ORW
2020/2022	NHLAK801060101-05	RESERVOIR POND	DORCHESTER, LYME	158.329	ACRES	Aquatic Life Integrity	Phosphorus (Total)	5-M				Non-ORW
2020/2022	NHLAK801060103-01	GOOSE POND	CANAAN, HANOVER	622.979	ACRES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHLAK801060103-01	GOOSE POND	CANAAN, HANOVER	622.979	ACRES	Primary Contact Recreation	Cyanobacteria hepatotoxic microcystins	5-M				Non-ORW
2020/2022	NHLAK801060103-02	LITTLE GOOSE POND	CANAAN	18.288	ACRES	Aquatic Life Integrity	pH	4A-M	9/20/2007	158 ACID PONDS	33878	Non-ORW
2020/2022	NHLAK801060104-02	GRAFTON POND	GRAFTON	318.127	ACRES	Aquatic Life Integrity	pH	4A-M	9/20/2007	158 ACID PONDS	33878	Non-ORW
2020/2022	NHLAK801060105-01	COLE POND	ENFIELD	16.533	ACRES	Aquatic Life Integrity	pH	4A-M	9/24/2004	COLE POND	11503	Non-ORW
2020/2022	NHLAK801060105-04-01	MASCOMA LAKE	ENFIELD, LEBANON	1154.776	ACRES	Aquatic Life Integrity	Dissolved oxygen saturation	5-M				Non-ORW
2020/2022	NHLAK801060105-04-01	MASCOMA LAKE	ENFIELD, LEBANON	1154.776	ACRES	Aquatic Life Integrity	Non-Native Aquatic Plants	4C-M				Non-ORW
2020/2022	NHLAK801060105-04-01	MASCOMA LAKE	ENFIELD, LEBANON	1154.776	ACRES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHLAK801060105-04-01	MASCOMA LAKE	ENFIELD, LEBANON	1154.776	ACRES	Primary Contact Recreation	Cyanobacteria hepatotoxic microcystins	5-M				Non-ORW
2020/2022	NHLAK801060105-04-02	MASCOMA LAKE - SHAKOMA BEACH	ENFIELD	0.533	ACRES	Primary Contact Recreation	Cyanobacteria hepatotoxic microcystins	5-M				Non-ORW
2020/2022	NHLAK801060105-04-04	MASCOMA LAKE - DARTMOUTH COLLEGE BEACH	ENFIELD	0.180	ACRES	Primary Contact Recreation	Cyanobacteria hepatotoxic microcystins	5-M				Non-ORW
2020/2022	NHLAK801060401-01	ANDERSON POND	GRANTHAM	14.689	ACRES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHLAK801060401-02	STOCKER POND	GRANTHAM	75.073	ACRES	Aquatic Life Integrity	Dissolved oxygen saturation	5-M				Non-ORW
2020/2022	NHLAK801060401-02	STOCKER POND	GRANTHAM	75.073	ACRES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHLAK801060401-06	EASTMAN POND	GRANTHAM, ENFIELD	318.743	ACRES	Aquatic Life Integrity	Chlorophyll-a	5-M				Non-ORW
2020/2022	NHLAK801060401-06	EASTMAN POND	GRANTHAM, ENFIELD	318.743	ACRES	Aquatic Life Integrity	pH	4A-M	9/20/2007	158 ACID PONDS	33878	Non-ORW
2020/2022	NHLAK801060401-06	EASTMAN POND	GRANTHAM, ENFIELD	318.743	ACRES	Aquatic Life Integrity	Phosphorus (Total)	5-M				Non-ORW
2020/2022	NHLAK801060401-07	HALFMILE POND	ENFIELD	7.859	ACRES	Aquatic Life Integrity	Aluminum	4A-M	9/24/2004	HALFMILE POND	11488	Non-ORW
2020/2022	NHLAK801060401-07	HALFMILE POND	ENFIELD	7.859	ACRES	Aquatic Life Integrity	pH	4A-M	9/24/2004	HALFMILE POND	11488	Non-ORW
2020/2022	NHLAK801060401-08-01	KOLELEMOOK LAKE	SPRINGFIELD	94.060	ACRES	Aquatic Life Integrity	pH	4A-M	9/20/2007	158 ACID PONDS	33878	Non-ORW
2020/2022	NHLAK801060401-08-02	KOLEMOOK LAKE - TOWN BEACH	SPRINGFIELD	0.461	ACRES	Aquatic Life Integrity	pH	4A-M	11/21/2007	114 ACID PONDS	33879	Non-ORW
2020/2022	NHLAK801060401-08-02	KOLEMOOK LAKE - TOWN BEACH	SPRINGFIELD	0.461	ACRES	Primary Contact Recreation	Escherichia coli	2-G	9/21/2010	NEW HAMPSHIRE STATEWIDE BACTERIA	39275	Non-ORW
2020/2022	NHLAK801060402-02	BAPTIST POND	SPRINGFIELD	83.104	ACRES	Aquatic Life Integrity	Chlorophyll-a	5-M				Non-ORW
2020/2022	NHLAK801060402-02	BAPTIST POND	SPRINGFIELD	83.104	ACRES	Aquatic Life Integrity	Dissolved oxygen saturation	5-M				Non-ORW
2020/2022	NHLAK801060402-02	BAPTIST POND	SPRINGFIELD	83.104	ACRES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHLAK801060402-02	BAPTIST POND	SPRINGFIELD	83.104	ACRES	Aquatic Life Integrity	Phosphorus (Total)	5-M				Non-ORW
2020/2022	NHLAK801060402-03	CHALK POND	NEWBURY	23.475	ACRES	Aquatic Life Integrity	Chlorophyll-a	5-M				Non-ORW
2020/2022	NHLAK801060402-03	CHALK POND	NEWBURY	23.475	ACRES	Aquatic Life Integrity	pH	4A-M	9/24/2004	CHALK POND	11469	Non-ORW
2020/2022	NHLAK801060402-03	CHALK POND	NEWBURY	23.475	ACRES	Aquatic Life Integrity	Phosphorus (Total)	5-M				Non-ORW
2020/2022	NHLAK801060402-04-01	LITTLE SUNAPEE LAKE	NEW LONDON, SPRINGFIELD	484.928	ACRES	Aquatic Life Integrity	Dissolved oxygen saturation	5-M				Non-ORW
2020/2022	NHLAK801060402-04-01	LITTLE SUNAPEE LAKE	NEW LONDON, SPRINGFIELD	484.928	ACRES	Aquatic Life Integrity	Oxygen, Dissolved	5-P				Non-ORW
2020/2022	NHLAK801060402-04-01	LITTLE SUNAPEE LAKE	NEW LONDON, SPRINGFIELD	484.928	ACRES	Aquatic Life Integrity	pH	4A-M	9/20/2007	158 ACID PONDS	33878	Non-ORW
2020/2022	NHLAK801060402-04-02	LITTLE SUNAPEE LAKE - BUCKLIN TOWN BEACH	NEW LONDON	0.679	ACRES	Aquatic Life Integrity	pH	3-ND	11/21/2007	114 ACID PONDS	33879	Non-ORW
2020/2022	NHLAK801060402-04-02	LITTLE SUNAPEE LAKE - BUCKLIN TOWN BEACH	NEW LONDON	0.679	ACRES	Primary Contact Recreation	Escherichia coli	2-G	9/21/2010	NEW HAMPSHIRE STATEWIDE BACTERIA	39276	Non-ORW
2020/2022	NHLAK801060402-04-03	LITTLE LAKE SUNAPEE - COLBY LODGE BEACH	NEW LONDON	1.380	ACRES	Aquatic Life Integrity	pH	3-ND	11/21/2007	114 ACID PONDS	33879	Non-ORW
2020/2022	NHLAK801060402-05-01	SUNAPEE LAKE	SUNAPEE, NEW LONDON, NEWBURY	4114.821	ACRES	Aquatic Life Integrity	Dissolved oxygen saturation	5-M				Non-ORW
2020/2022	NHLAK801060402-05-01	SUNAPEE LAKE	SUNAPEE, NEW LONDON, NEWBURY	4114.821	ACRES	Aquatic Life Integrity	Oxygen, Dissolved	5-P				Non-ORW
2020/2022	NHLAK801060402-05-01	SUNAPEE LAKE	SUNAPEE, NEW LONDON, NEWBURY	4114.821	ACRES	Aquatic Life Integrity	pH	4A-M	9/20/2007	158 ACID PONDS	33878	Non-ORW
2020/2022	NHLAK801060402-05-02	SUNAPEE LAKE - GEORGES MILL TOWN BEACH	SUNAPEE	0.679	ACRES	Aquatic Life Integrity	pH	3-ND	11/21/2007	114 ACID PONDS	33879	Non-ORW
2020/2022	NHLAK801060402-05-03	SUNAPEE LAKE - DEWEY (TOWN) BEACH	SUNAPEE	0.727	ACRES	Aquatic Life Integrity	pH	3-ND	11/21/2007	114 ACID PONDS	33879	Non-ORW
2020/2022	NHLAK801060402-05-03	SUNAPEE LAKE - DEWEY (TOWN) BEACH	SUNAPEE	0.727	ACRES	Primary Contact Recreation	Escherichia coli	4A-P	9/21/2010	NEW HAMPSHIRE STATEWIDE BACTERIA	39271	Non-ORW
2020/2022	NHLAK801060402-05-04	SUNAPEE LAKE - BLODGETT'S LANDING BEACH	NEWBURY	1.280	ACRES	Aquatic Life Integrity	pH	3-ND	11/21/2007	114 ACID PONDS	33879	Non-ORW
2020/2022	NHLAK801060402-05-04	SUNAPEE LAKE - BLODGETT'S LANDING BEACH	NEWBURY	1.280	ACRES	Primary Contact Recreation	Escherichia coli	4A-P	9/21/2010	NEW HAMPSHIRE STATEWIDE BACTERIA	39271	Non-ORW
2020/2022	NHLAK801060402-05-05	SUNAPEE LAKE - SUNAPEE STATE PARK BEACH	NEWBURY	1.280	ACRES	Aquatic Life Integrity	pH	3-ND	11/21/2007	114 ACID PONDS	33879	Non-ORW
2020/2022	NHLAK801060402-05-05	SUNAPEE LAKE - SUNAPEE STATE PARK BEACH	NEWBURY	1.280	ACRES	Primary Contact Recreation	Escherichia coli	4A-P	9/21/2010	NEW HAMPSHIRE STATEWIDE BACTERIA	39271	Non-ORW
2020/2022	NHLAK801060402-05-06	SUNAPEE LAKE - DEPOT BEACH	NEWBURY	0.121	ACRES	Aquatic Life Integrity	pH	3-ND	11/21/2007	114 ACID PONDS	33879	Non-ORW
2020/2022	NHLAK801060402-06	DUTCHMAN POND	SPRINGFIELD	30.215	ACRES	Aquatic Life Integrity	pH	4A-M	9/24/2004	DUTCHMAN POND	11479	Non-ORW
2020/2022	NHLAK801060402-08	LEDGE POND	SUNAPEE	115.715	ACRES	Aquatic Life Integrity	pH	4A-M	9/24/2004	LEDGE POND	11507	Non-ORW
2020/2022	NHLAK801060402-09	MCALPIN POND	SPRINGFIELD	10.779	ACRES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHLAK801060402-11	MOUNTAINVIEW LAKE	SUNAPEE, NEWBURY	115.625	ACRES	Aquatic Life Integrity	pH	4A-M	9/20/2007	158 ACID PONDS	33878	Non-ORW
2020/2022	NHLAK801060402-12-01	OTTER POND	SUNAPEE, NEW LONDON	189.641	ACRES	Aquatic Life Integrity	pH	4A-M	9/20/2007	158 ACID PONDS	33878	Non-ORW
2020/2022	NHLAK801060402-12-02	OTTER POND - MORGAN BEACH	NEW LONDON	1.280	ACRES	Aquatic Life Integrity	pH	4A-M	11/21/2007	114 ACID PONDS	33879	Non-ORW
2020/2022	NHLAK801060402-12-02	OTTER POND - MORGAN BEACH	NEW LONDON	1.280	ACRES	Primary Contact Recreation	Escherichia coli	2-G	9/21/2010	NEW HAMPSHIRE STATEWIDE BACTERIA	39276	Non-ORW
2020/2022	NHLAK801060403-01	GILMAN POND	UNITY	67.871	ACRES	Aquatic Life Integrity	pH	4A-M	9/20/2007	158 ACID PONDS	33878	Non-ORW
2020/2022	NHLAK801060403-04-01	RAND POND	GOSHEN	48.072	ACRES	Aquatic Life Integrity	pH	4A-M	9/20/2007	158 ACID PONDS	33878	Non-ORW
2020/2022	NHLAK801060403-04-02	RAND POND - PUBLIC WAY BEACH	GOSHEN	0.097	ACRES	Aquatic Life Integrity	pH	3-ND	11/21/2007	114 ACID PONDS	33879	Non-ORW
2020/2022	NHLAK801060403-04-02	RAND POND - PUBLIC WAY BEACH	GOSHEN	0.097	ACRES	Primary Contact Recreation	Escherichia coli	2-G	9/21/2010	NEW HAMPSHIRE STATEWIDE BACTERIA	39276	Non-ORW
2020/2022	NHLAK801060404-01	ROCKYBOUND POND	CROYDON	70.843	ACRES	Aquatic Life Integrity	Dissolved oxygen saturation	5-M				Non-ORW
2020/2022	NHLAK801060404-01	ROCKYBOUND POND	CROYDON	70.843	ACRES	Aquatic Life Integrity	Non-Native Aquatic Plants	4C-M				Non-ORW
2020/2022	NHLAK801060404-01	ROCKYBOUND POND	CROYDON	70.843	ACRES	Aquatic Life Integrity	pH	4A-M	9/20/2007	158 ACID PONDS	33878	Non-ORW
2020/2022	NHLAK801060405-03	PERKINS POND	SUNAPEE	156.214	ACRES	Aquatic Life Integrity	Chlorophyll-a	5-P				Non-ORW
2020/2022	NHLAK801060405-03	PERKINS POND	SUNAPEE	156.214	ACRES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHLAK801060405-03	PERKINS POND	SUNAPEE	156.214	ACRES	Aquatic Life Integrity	Phosphorus (Total)	5-M				Non-ORW
2020/2022	NHLAK801060701-01	MARSHALL POND	UNITY	16.110	ACRES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHLAK801070201-01	CRESCENT LAKE	ACWORTH, UNITY	127.302	ACRES	Aquatic Life Integrity	pH	4A-M	9/20/2007	158 ACID PONDS	33878	Non-ORW
2020/2022	NHLAK801070201-02	DODGE POND	LEMPSTER	19.678	ACRES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHLAK801070202-01	NEWELL POND	ALSTEAD	14.032	ACRES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHLAK801070203-01	WARREN LAKE	ALSTEAD	194.643	ACRES	Aquatic Life Integrity	Chlorophyll-a	5-P				Non-ORW
2020/2022	NHLAK801070203-01	WARREN LAKE	ALSTEAD	194.643	ACRES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHLAK801070203-01	WARREN LAKE	ALSTEAD	194.643	ACRES	Aquatic Life Integrity	Phosphorus (Total)	5-M				Non-ORW
2020/2022	NHLAK801070503-01-01	SPOFFORD LAKE	CHESTERFIELD	730.302	ACRES	Aquatic Life Integrity	Dissolved oxygen saturation	5-M				Non-ORW
2020/2022	NHLAK801070503-01-01	SPOFFORD LAKE	CHESTERFIELD	730.302	ACRES	Aquatic Life Integrity	Oxygen, Dissolved	5-P				Non-ORW
2020/2022	NHLAK801070503-01-01	SPOFFORD LAKE	CHESTERFIELD	730.302	ACRES	Aquatic Life Integrity	pH	4A-M	9/20/2007	158 ACID PONDS	33878	Non-ORW
2020/2022	NHLAK801070503-01-02	SPOFFORD LAKE - ACCESS RD TOWN BEACH	CHESTERFIELD	1.280	ACRES	Aquatic Life Integrity	pH	3-ND	11/21/2007	114 ACID PONDS	33879	Non-ORW
2020/2022	NHLAK801070503-01-03	SPOFFORD LAKE - N SHORE RD TOWN BEACH	CHESTERFIELD	0.388	ACRES	Aquatic Life Integrity	pH	3-ND	11/21/2007	114 ACID PONDS	33879	Non-ORW

2020/2022	NHLAK801070503-01-04	SPOFFORD LAKE - WARES GROVE TOWN BEACH	CHESTERFIELD	0.848	ACRES	Aquatic Life Integrity	pH	4A-M	11/21/2007	114 ACID PONDS	33879	Non-ORW
2020/2022	NHLAK801070503-01-05	SPOFFORD LAKE - CAMP SPOFFORD BEACH	CHESTERFIELD	1.380	ACRES	Aquatic Life Integrity	pH	3-ND	11/21/2007	114 ACID PONDS	33879	Non-ORW
2020/2022	NHLAK801070503-01-06	SPOFFORD LAKE - ROADS END FARM BEACH	CHESTERFIELD	1.380	ACRES	Aquatic Life Integrity	pH	3-ND	11/21/2007	114 ACID PONDS	33879	Non-ORW
2020/2022	NHLAK802010101-01	ASHUELOT POND	WASHINGTON	366.876	ACRES							Review OneStop GIS
2020/2022	NHLAK802010101-02	BACON POND	WASHINGTON	19.163	ACRES							ORW
2020/2022	NHLAK802010101-03	FLETCHER POND	WASHINGTON	15.131	ACRES							ORW
2020/2022	NHLAK802010101-04	LONG POND	LEMPSTER, WASHINGTON	113.752	ACRES	Aquatic Life Integrity	Aluminum	4A-M	9/24/2004	LONG POND	11496	ORW
2020/2022	NHLAK802010101-04	LONG POND	LEMPSTER, WASHINGTON	113.752	ACRES	Aquatic Life Integrity	pH	4A-P	9/24/2004	LONG POND	11496	ORW
2020/2022	NHLAK802010101-05	MAY POND	WASHINGTON	151.786	ACRES	Aquatic Life Integrity	pH	4A-M	9/24/2004	MAY POND	11499	ORW
2020/2022	NHLAK802010101-06-01	MILLEN POND	WASHINGTON	142.974	ACRES	Aquatic Life Integrity	Aluminum	4A-M	9/24/2004	MILLEN POND	11500	Non-ORW
2020/2022	NHLAK802010101-06-01	MILLEN POND	WASHINGTON	142.974	ACRES	Aquatic Life Integrity	Dissolved oxygen saturation	5-M				Non-ORW
2020/2022	NHLAK802010101-06-01	MILLEN POND	WASHINGTON	142.974	ACRES	Aquatic Life Integrity	pH	4A-M	9/24/2004	MILLEN POND	11500	Non-ORW
2020/2022	NHLAK802010101-06-02	MILLEN POND - TOWN BEACH	WASHINGTON	1.280	ACRES	Aquatic Life Integrity	pH	3-ND	1/26/2011	TOWN BEACH ON MILLEN POND	39718	Non-ORW
2020/2022	NHLAK802010101-06-02	MILLEN POND - TOWN BEACH	WASHINGTON	1.280	ACRES	Primary Contact Recreation	Escherichia coli	2-M	9/21/2010	NEW HAMPSHIRE STATEWIDE BACTERIA	39276	Non-ORW
2020/2022	NHLAK802010101-07	NORTH POND	WASHINGTON	56.253	ACRES							ORW
2020/2022	NHLAK802010101-08	SAND POND	MARLOW, LEMPSTER	154.602	ACRES	Aquatic Life Integrity	pH	4A-P	10/14/2004	SAND POND	11448	Non-ORW
2020/2022	NHLAK802010101-09	MILL POND	WASHINGTON	15.340	ACRES							ORW
2020/2022	NHLAK802010101-10	VICKERY POND	WASHINGTON	5.316	ACRES							ORW
2020/2022	NHLAK802010101-11	BEAR POND	WASHINGTON	11.880	ACRES							ORW
2020/2022	NHLAK802010101-12	UNNAMED POND	LEMPSTER	2.761	ACRES							ORW
2020/2022	NHLAK802010101-13	UNNAMED POND	WASHINGTON	2.237	ACRES							ORW
2020/2022	NHLAK802010102-01	COLD SPRING POND	STODDARD	30.528	ACRES	Aquatic Life Integrity	pH	4A-M	9/24/2004	COLD SPRING POND	11471	Non-ORW
2020/2022	NHLAK802010102-02	STONE POND	MARLOW	25.031	ACRES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHLAK802010102-05	BARRETT POND	WASHINGTON	16.184	ACRES	Aquatic Life Integrity	pH	4A-P	9/20/2007	158 ACID PONDS	33878	Non-ORW
2020/2022	NHLAK802010104-01	CALDWELL POND	ALSTEAD	29.584	ACRES	Aquatic Life Integrity	pH	4A-M	9/20/2007	158 ACID PONDS	33878	Non-ORW
2020/2022	NHLAK802010104-02-02	SURRY MOUNTAIN RESERVOIR - REC AREA BEACH	SURRY	1.280	ACRES	Primary Contact Recreation	Cyanobacteria hepatotoxic microcystins	5-M				Non-ORW
2020/2022	NHLAK802010104-02-02	SURRY MOUNTAIN RESERVOIR - REC AREA BEACH	SURRY	1.280	ACRES	Primary Contact Recreation	Escherichia coli	4A-P	9/21/2010	NEW HAMPSHIRE STATEWIDE BACTERIA	39276	Non-ORW
2020/2022	NHLAK802010104-03	CRANBERRY POND	ALSTEAD	20.762	ACRES	Aquatic Life Integrity	pH	4A-M	9/20/2007	158 ACID PONDS	33878	Non-ORW
2020/2022	NHLAK802010201-01	BOLSTER POND	SULLIVAN	63.231	ACRES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHLAK802010201-02	CENTER POND	NELSON	32.430	ACRES	Aquatic Life Integrity	pH	4A-M	9/24/2004	CENTER POND	11468	Non-ORW
2020/2022	NHLAK802010201-03	CENTER POND	STODDARD	81.326	ACRES	Aquatic Life Integrity	Chlorophyll-a	5-M				Non-ORW
2020/2022	NHLAK802010201-03	CENTER POND	STODDARD	81.326	ACRES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHLAK802010201-03	CENTER POND	STODDARD	81.326	ACRES	Aquatic Life Integrity	Phosphorus (Total)	5-M				Non-ORW
2020/2022	NHLAK802010201-04	CHAPMAN POND	SULLIVAN	25.678	ACRES	Aquatic Life Integrity	Dissolved oxygen saturation	5-M				Non-ORW
2020/2022	NHLAK802010201-04	CHAPMAN POND	SULLIVAN	25.678	ACRES	Aquatic Life Integrity	pH	5-P				Non-ORW
2020/2022	NHLAK802010201-05	GRANITE LAKE	STODDARD, NELSON	231.955	ACRES	Aquatic Life Integrity	pH	4A-P	9/24/2004	GRANIT LAKE	11484	Non-ORW
2020/2022	NHLAK802010201-06-02	OTTER BROOK LAKE - OTTER BROOK PK BEACH	KEENE	1.380	ACRES	Primary Contact Recreation	Escherichia coli	4A-P	9/21/2010	NEW HAMPSHIRE STATEWIDE BACTERIA	39275	Non-ORW
2020/2022	NHLAK802010202-02	CHILDS BOG	HARRISVILLE	114.869	ACRES	Aquatic Life Integrity	pH	4A-M	9/20/2007	158 ACID PONDS	33878	Non-ORW
2020/2022	NHLAK802010202-03	CLAPP POND	MARLBOROUGH	13.505	ACRES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHLAK802010202-05	DUBLIN POND	DUBLIN	235.870	ACRES	Aquatic Life Integrity	pH	4A-P	9/24/2004	DUBLIN POND	11477	Non-ORW
2020/2022	NHLAK802010202-06	HOWE RESERVOIR	DUBLIN, HARRISVILLE	167.837	ACRES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHLAK802010202-07	RUSSELL RESERVOIR	HARRISVILLE	26.403	ACRES	Aquatic Life Integrity	Dissolved oxygen saturation	5-M				Non-ORW
2020/2022	NHLAK802010202-07	RUSSELL RESERVOIR	HARRISVILLE	26.403	ACRES	Aquatic Life Integrity	pH	4A-M	9/20/2007	158 ACID PONDS	33878	Non-ORW
2020/2022	NHLAK802010202-07-02	RUSSEL RESERVOIR - CHESHAM BEACH	HARRISVILLE	1.380	ACRES	Aquatic Life Integrity	pH	3-ND	11/21/2007	114 ACID PONDS	33879	Non-ORW
2020/2022	NHLAK802010202-07-02	RUSSEL RESERVOIR - CHESHAM BEACH	HARRISVILLE	1.380	ACRES	Primary Contact Recreation	Escherichia coli	4A-P	9/21/2010	NEW HAMPSHIRE STATEWIDE BACTERIA	39276	Non-ORW
2020/2022	NHLAK802010202-09	SILVER LAKE	HARRISVILLE, NELSON	345.605	ACRES	Aquatic Life Integrity	pH	4A-M	10/14/2004	SILVER LAKE	11450	Non-ORW
2020/2022	NHLAK802010202-14	BABBIDGE RESERVOIR	ROXBURY	35.589	ACRES	Aquatic Life Integrity	pH	4A-M	9/20/2007	158 ACID PONDS	33878	Non-ORW
2020/2022	NHLAK802010202-22	INLET TO HOWE RESERVOIR	DUBLIN	3.494	ACRES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHLAK802010302-01-01	SWANZEY LAKE	SWANZEY	107.758	ACRES	Aquatic Life Integrity	pH	4A-M	9/20/2007	158 ACID PONDS	33878	Non-ORW
2020/2022	NHLAK802010302-01-02	SWANZEY LAKE - RICHARDSON PARK TOWN BEACH	SWANZEY	0.630	ACRES	Aquatic Life Integrity	pH	3-ND	11/21/2007	114 ACID PONDS	33879	Non-ORW
2020/2022	NHLAK802010302-01-02	SWANZEY LAKE - RICHARDSON PARK TOWN BEACH	SWANZEY	0.630	ACRES	Primary Contact Recreation	Escherichia coli	4A-P	9/21/2010	NEW HAMPSHIRE STATEWIDE BACTERIA	39275	Non-ORW
2020/2022	NHLAK802010302-01-03	SWANZEY LAKE - CAMP SQUANTO BEACH	SWANZEY	1.380	ACRES	Aquatic Life Integrity	pH	3-ND	11/21/2007	114 ACID PONDS	33879	Non-ORW
2020/2022	NHLAK802010303-02	MEETINGHOUSE POND	MARLBOROUGH	45.897	ACRES	Aquatic Life Integrity	Chlorophyll-a	5-M				Non-ORW
2020/2022	NHLAK802010303-02	MEETINGHOUSE POND	MARLBOROUGH	45.897	ACRES	Aquatic Life Integrity	Dissolved oxygen saturation	5-M				Non-ORW
2020/2022	NHLAK802010303-02	MEETINGHOUSE POND	MARLBOROUGH	45.897	ACRES	Aquatic Life Integrity	pH	4A-P	9/20/2007	158 ACID PONDS	33878	Non-ORW
2020/2022	NHLAK802010303-02	MEETINGHOUSE POND	MARLBOROUGH	45.897	ACRES	Aquatic Life Integrity	Phosphorus (Total)	5-M				Non-ORW
2020/2022	NHLAK802010303-04	ROCKWOOD POND	FITZWILLIAM	81.313	ACRES	Aquatic Life Integrity	pH	4A-P	10/14/2004	ROCKWOOD POND	11446	Non-ORW
2020/2022	NHLAK802010303-05-01	STONE POND	MARLBOROUGH, DUBLIN	78.478	ACRES	Aquatic Life Integrity	pH	4A-P	10/14/2004	STONE POND	11455	Non-ORW
2020/2022	NHLAK802010303-05-02	STONE POND - TOWN BEACH	MARLBOROUGH	0.320	ACRES	Aquatic Life Integrity	pH	3-ND	9/14/2006	STONE POND TOWN BEACH	30641	Non-ORW
2020/2022	NHLAK802010303-06	QUARRY POND	TROY	4.929	ACRES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHLAK802010303-07	SAND POND	TROY	11.556	ACRES	Aquatic Life Integrity	pH	4A-M	9/20/2007	158 ACID PONDS	33878	Non-ORW
2020/2022	NHLAK802010303-10	WILSON POND	SWANZEY	72.255	ACRES	Aquatic Life Integrity	Dissolved oxygen saturation	5-M				Non-ORW
2020/2022	NHLAK802010303-10	WILSON POND	SWANZEY	72.255	ACRES	Aquatic Life Integrity	pH	2-M	9/20/2007	158 ACID PONDS	33878	Non-ORW
2020/2022	NHLAK802010401-01-01	FOREST LAKE	WINCHESTER	84.800	ACRES	Aquatic Life Integrity	Chlorophyll-a	4A-M	5/12/2011	FOREST LAKE	40282	Non-ORW
2020/2022	NHLAK802010401-01-01	FOREST LAKE	WINCHESTER	84.800	ACRES	Aquatic Life Integrity	Non-Native Aquatic Plants	4C-M				Non-ORW
2020/2022	NHLAK802010401-01-01	FOREST LAKE	WINCHESTER	84.800	ACRES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHLAK802010401-01-01	FOREST LAKE	WINCHESTER	84.800	ACRES	Aquatic Life Integrity	Phosphorus (Total)	4A-M	5/12/2011	FOREST LAKE	40282	Non-ORW
2020/2022	NHLAK802010401-01-01	FOREST LAKE	WINCHESTER	84.800	ACRES	Primary Contact Recreation	Chlorophyll-a	4A-M	5/12/2011	FOREST LAKE	40282	Non-ORW
2020/2022	NHLAK802010401-01-01	FOREST LAKE	WINCHESTER	84.800	ACRES	Primary Contact Recreation	Cyanobacteria hepatotoxic microcystins	4A-M	5/12/2011	FOREST LAKE	40282	Non-ORW
2020/2022	NHLAK802010401-01-02	FOREST LAKE - TOWN BEACH	WINCHESTER	0.630	ACRES	Primary Contact Recreation	Cyanobacteria hepatotoxic microcystins	4A-M	5/12/2011	FOREST LAKE	40282	Non-ORW
2020/2022	NHLAK802010402-01	SANDY POND	RICHMOND	23.766	ACRES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHLAK802010402-01-02	SANDY POND - CAMP WIYAKA BEACH	RICHMOND	1.380	ACRES	Primary Contact Recreation	Escherichia coli	4A-P	9/30/2013	44 Bacteria Impaired Waters	55222	Non-ORW
2020/2022	NHLAK802020101-01	PECKER POND	RINDGE	24.659	ACRES	Aquatic Life Integrity	pH	4A-M	10/14/2004	PECKER POND	11442	Non-ORW
2020/2022	NHLAK802020101-01-02	PECKER POND - CAMP TOAH NIPI BEACH	RINDGE	1.380	ACRES	Aquatic Life Integrity	pH	3-ND	11/30/2005	CAMPT TOAH NIPI BEACH	22528	Non-ORW
2020/2022	NHLAK802020102-01	SCOTT POND	FITZWILLIAM, JAFFREY	150.842	ACRES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHLAK802020103-04	EMERSON POND	RINDGE	95.492	ACRES	Aquatic Life Integrity	Chlorophyll-a	5-M				Non-ORW
2020/2022	NHLAK802020103-04	EMERSON POND	RINDGE	95.492	ACRES	Aquatic Life Integrity	pH	4A-M	9/20/2007	158 ACID PONDS	33878	Non-ORW
2020/2022	NHLAK802020103-04	EMERSON POND	RINDGE	95.492	ACRES	Aquatic Life Integrity	Phosphorus (Total)	5-M				Non-ORW
2020/2022	NHLAK802020103-05	ISLAND POND	NEW IPSWICH, RINDGE	31.943	ACRES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHLAK802020103-06	LAKE MONOMONAC	RINDGE	409.846	ACRES	Aquatic Life Integrity	Chlorophyll-a	5-M				Non-ORW
2020/2022	NHLAK802020103-06	LAKE MONOMONAC	RINDGE	409.846	ACRES	Aquatic Life Integrity	Non-Native Aquatic Plants	4C-M				Non-ORW
2020/2022	NHLAK802020103-06	LAKE MONOMONAC	RINDGE	409.846	ACRES	Aquatic Life Integrity	pH	4A-M	9/24/2004	MONOMONAC LAKE	11501	Non-ORW
2020/2022	NHLAK802020103-06	LAKE MONOMONAC	RINDGE	409.846	ACRES	Aquatic Life Integrity	Phosphorus (Total)	5-M				Non-ORW
2020/2022	NHLAK802020103-06	LAKE MONOMONAC	RINDGE	409.846	ACRES	Primary Contact Recreation	Cyanobacteria hepatotoxic microcystins	5-M				Non-ORW
2020/2022	NHLAK802020103-06-02	MONOMONAC LAKE - CAMP MONOMONAC BEACH	RINDGE	1.380	ACRES	Aquatic Life Integrity	pH	3-ND	11/30/2005	CAMP MONOMONAC BEACH	22526	Non-ORW
2020/2022	NHLAK802020103-06-02	MONOMONAC LAKE - CAMP MONOMONAC BEACH	RINDGE	1.380	ACRES	Primary Contact Recreation	Cyanobacteria hepatotoxic microcystins	5-M				Non-ORW
2020/2022	NHLAK802020103-07	MOUNTAIN POND	NEW IPSWICH	21.678	ACRES	Aquatic Life Integrity	pH	5-M				Non-ORW

2020/2022	NHLAK802020103-08	PEARLY LAKE	RINDGE	191.072	ACRES	Aquatic Life Integrity	Chlorophyll-a	2-M	9/30/2014	Pearly Lake	60181	Non-ORW
2020/2022	NHLAK802020103-08	PEARLY LAKE	RINDGE	191.072	ACRES	Aquatic Life Integrity	Dissolved oxygen saturation	4A-M	9/25/2014	Pearly Lake	60200	Non-ORW
2020/2022	NHLAK802020103-08	PEARLY LAKE	RINDGE	191.072	ACRES	Aquatic Life Integrity	Non-Native Aquatic Plants	4C-M				Non-ORW
2020/2022	NHLAK802020103-08	PEARLY LAKE	RINDGE	191.072	ACRES	Aquatic Life Integrity	pH	5-P				Non-ORW
2020/2022	NHLAK802020103-08	PEARLY LAKE	RINDGE	191.072	ACRES	Aquatic Life Integrity	Phosphorus (Total)	2-M	9/30/2014	Pearly Lake	60181	Non-ORW
2020/2022	NHLAK802020103-08	PEARLY LAKE	RINDGE	191.072	ACRES	Primary Contact Recreation	Chlorophyll-a	4A-M	9/25/2014	Pearly Lake	60181	Non-ORW
2020/2022	NHLAK802020103-08	PEARLY LAKE	RINDGE	191.072	ACRES	Primary Contact Recreation	Cyanobacteria hepatotoxic microcystins	4A-M	9/30/2014	Pearly Lake	60200	Non-ORW
2020/2022	NHLAK802020103-08-02	PEARLY LAKE-PEARLY LAKE BEACH	RINDGE	0.350	ACRES	Primary Contact Recreation	Cyanobacteria hepatotoxic microcystins	4A-M	9/30/2014	Pearly Lake	60200	Non-ORW
2020/2022	NHLAK802020103-08-02	PEARLY LAKE-PEARLY LAKE BEACH	RINDGE	0.350	ACRES	Primary Contact Recreation	Escherichia coli	4A-P	8/29/2011	58 NH BACTERIA IMPAIRED WATERS	40668	Non-ORW
2020/2022	NHLAK802020103-10	SIP POND	FITZWILLIAM	140.539	ACRES	Aquatic Life Integrity	pH	5-P				Non-ORW
2020/2022	NHLAK802020103-11	CROWCROFT POND	RINDGE	63.304	ACRES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHLAK802020202-01	COLLINS POND	FITZWILLIAM	10.640	ACRES	Aquatic Life Integrity	pH	4A-M	9/20/2007	158 ACID PONDS	33878	Non-ORW
2020/2022	NHLAK802020202-02-01	LAUREL LAKE	FITZWILLIAM	179.583	ACRES	Aquatic Life Integrity	pH	4A-M	9/24/2004	LAUREL LAKE	11494	Non-ORW
2020/2022	NHLAK802020202-02-02	LAUREL LAKE - TOWN BEACH	FITZWILLIAM	0.218	ACRES	Aquatic Life Integrity	pH	3-ND	9/24/2004	LAUREL LAKE	11494	Non-ORW
2020/2022	NHLAK802020202-02-02	LAUREL LAKE - TOWN BEACH	FITZWILLIAM	0.218	ACRES	Primary Contact Recreation	Escherichia coli	2-M	8/29/2011	58 NH BACTERIA IMPAIRED WATERS	40666	Non-ORW
2020/2022	NHLAK802020202-02-03	LAUREL LAKE - CAMP FLEUR DE LIS BEACH	FITZWILLIAM	1.380	ACRES	Aquatic Life Integrity	pH	3-ND	11/30/2005	CAMP FLEUR DE LIS BEACH	22525	Non-ORW
2020/2022	NHLAK802020203-01	CASS POND	RICHMOND	54.097	ACRES	Aquatic Life Integrity	pH	4A-M	9/24/2004	CASS POND	11467	Non-ORW
2020/2022	NHLAK802020203-01-02	CASS POND - CAMP TAKODAH BEACH	RICHMOND	1.380	ACRES	Aquatic Life Integrity	pH	3-ND	11/30/2005	CAMP TAKODAH BEACH	22523	Non-ORW
2020/2022	NHLAK802020203-02	LARRYS POND	RICHMOND	12.304	ACRES	Aquatic Life Integrity	pH	5-P				Non-ORW
2020/2022	NHOCN000000000-02-02	ATLANTIC OCEAN - NEW CASTLE BEACH	NEW CASTLE	0.005	SQUARE MILES	Fish Consumption	PCBS - FISH CONSUMPTION ADVISORY	5-M				Non-ORW
2020/2022	NHOCN000000000-02-02	ATLANTIC OCEAN - NEW CASTLE BEACH	NEW CASTLE	0.005	SQUARE MILES	Primary Contact Recreation	Enterococcus	4A-M	9/21/2010	NEW HAMPSHIRE STATEWIDE BACTERIA	39277	Non-ORW
2020/2022	NHOCN000000000-02-02	ATLANTIC OCEAN - NEW CASTLE BEACH	NEW CASTLE	0.005	SQUARE MILES	Shellfish Consumption	DIOXIN - FISH CONSUMPTION ADVISORY	5-M				Non-ORW
2020/2022	NHOCN000000000-02-02	ATLANTIC OCEAN - NEW CASTLE BEACH	NEW CASTLE	0.005	SQUARE MILES	Shellfish Consumption	MERCURY - FISH CONSUMPTION ADVISORY	5-M				Non-ORW
2020/2022	NHOCN000000000-02-02	ATLANTIC OCEAN - NEW CASTLE BEACH	NEW CASTLE	0.005	SQUARE MILES	Shellfish Consumption	PCBS - FISH CONSUMPTION ADVISORY	5-M				Non-ORW
2020/2022	NHOCN000000000-02-04	ATLANTIC OCEAN - WALLIS SANDS BEACH AT WALLIS ROAD	RYE	0.027	SQUARE MILES	Fish Consumption	PCBS - FISH CONSUMPTION ADVISORY	5-M				Non-ORW
2020/2022	NHOCN000000000-02-04	ATLANTIC OCEAN - WALLIS SANDS BEACH AT WALLIS ROAD	RYE	0.027	SQUARE MILES	Primary Contact Recreation	Enterococcus	2-M	9/21/2010	NEW HAMPSHIRE STATEWIDE BACTERIA	39277	Non-ORW
2020/2022	NHOCN000000000-02-04	ATLANTIC OCEAN - WALLIS SANDS BEACH AT WALLIS ROAD	RYE	0.027	SQUARE MILES	Shellfish Consumption	DIOXIN - FISH CONSUMPTION ADVISORY	5-M				Non-ORW
2020/2022	NHOCN000000000-02-04	ATLANTIC OCEAN - WALLIS SANDS BEACH AT WALLIS ROAD	RYE	0.027	SQUARE MILES	Shellfish Consumption	MERCURY - FISH CONSUMPTION ADVISORY	5-M				Non-ORW
2020/2022	NHOCN000000000-02-04	ATLANTIC OCEAN - WALLIS SANDS BEACH AT WALLIS ROAD	RYE	0.027	SQUARE MILES	Shellfish Consumption	PCBS - FISH CONSUMPTION ADVISORY	5-M				Non-ORW
2020/2022	NHOCN000000000-02-05	ATLANTIC OCEAN - CABLE BEACH	RYE	0.029	SQUARE MILES	Fish Consumption	PCBS - FISH CONSUMPTION ADVISORY	5-M				Non-ORW
2020/2022	NHOCN000000000-02-05	ATLANTIC OCEAN - CABLE BEACH	RYE	0.029	SQUARE MILES	Primary Contact Recreation	Enterococcus	2-M	9/21/2010	NEW HAMPSHIRE STATEWIDE BACTERIA	39277	Non-ORW
2020/2022	NHOCN000000000-02-05	ATLANTIC OCEAN - CABLE BEACH	RYE	0.029	SQUARE MILES	Shellfish Consumption	DIOXIN - FISH CONSUMPTION ADVISORY	5-M				Non-ORW
2020/2022	NHOCN000000000-02-05	ATLANTIC OCEAN - CABLE BEACH	RYE	0.029	SQUARE MILES	Shellfish Consumption	MERCURY - FISH CONSUMPTION ADVISORY	5-M				Non-ORW
2020/2022	NHOCN000000000-02-05	ATLANTIC OCEAN - CABLE BEACH	RYE	0.029	SQUARE MILES	Shellfish Consumption	PCBS - FISH CONSUMPTION ADVISORY	5-M				Non-ORW
2020/2022	NHOCN000000000-02-06	ATLANTIC OCEAN - SAWYER BEACH	RYE	0.014	SQUARE MILES	Fish Consumption	PCBS - FISH CONSUMPTION ADVISORY	5-M				Non-ORW
2020/2022	NHOCN000000000-02-06	ATLANTIC OCEAN - SAWYER BEACH	RYE	0.014	SQUARE MILES	Primary Contact Recreation	Enterococcus	2-M	9/21/2010	NEW HAMPSHIRE STATEWIDE BACTERIA	39277	Non-ORW
2020/2022	NHOCN000000000-02-06	ATLANTIC OCEAN - SAWYER BEACH	RYE	0.014	SQUARE MILES	Shellfish Consumption	DIOXIN - FISH CONSUMPTION ADVISORY	5-M				Non-ORW
2020/2022	NHOCN000000000-02-06	ATLANTIC OCEAN - SAWYER BEACH	RYE	0.014	SQUARE MILES	Shellfish Consumption	Fecal Coliform	4A-P	9/21/2010	NEW HAMPSHIRE STATEWIDE BACTERIA	39280	Non-ORW
2020/2022	NHOCN000000000-02-06	ATLANTIC OCEAN - SAWYER BEACH	RYE	0.014	SQUARE MILES	Shellfish Consumption	MERCURY - FISH CONSUMPTION ADVISORY	5-M				Non-ORW
2020/2022	NHOCN000000000-02-06	ATLANTIC OCEAN - SAWYER BEACH	RYE	0.014	SQUARE MILES	Shellfish Consumption	PCBS - FISH CONSUMPTION ADVISORY	5-M				Non-ORW
2020/2022	NHOCN000000000-02-07	ATLANTIC OCEAN - JENNESS BEACH	RYE	0.023	SQUARE MILES	Fish Consumption	PCBS - FISH CONSUMPTION ADVISORY	5-M				Non-ORW
2020/2022	NHOCN000000000-02-07	ATLANTIC OCEAN - JENNESS BEACH	RYE	0.023	SQUARE MILES	Primary Contact Recreation	Enterococcus	2-G	9/21/2010	NEW HAMPSHIRE STATEWIDE BACTERIA	39277	Non-ORW
2020/2022	NHOCN000000000-02-07	ATLANTIC OCEAN - JENNESS BEACH	RYE	0.023	SQUARE MILES	Shellfish Consumption	DIOXIN - FISH CONSUMPTION ADVISORY	5-M				Non-ORW
2020/2022	NHOCN000000000-02-07	ATLANTIC OCEAN - JENNESS BEACH	RYE	0.023	SQUARE MILES	Shellfish Consumption	MERCURY - FISH CONSUMPTION ADVISORY	5-M				Non-ORW
2020/2022	NHOCN000000000-02-07	ATLANTIC OCEAN - JENNESS BEACH	RYE	0.023	SQUARE MILES	Shellfish Consumption	PCBS - FISH CONSUMPTION ADVISORY	5-M				Non-ORW
2020/2022	NHOCN000000000-02-09	ATLANTIC OCEAN - STATE BEACH	NORTH HAMPTON	0.015	SQUARE MILES	Fish Consumption	PCBS - FISH CONSUMPTION ADVISORY	5-M				Non-ORW
2020/2022	NHOCN000000000-02-09	ATLANTIC OCEAN - STATE BEACH	NORTH HAMPTON	0.015	SQUARE MILES	Primary Contact Recreation	Enterococcus	4A-P	9/21/2010	NEW HAMPSHIRE STATEWIDE BACTERIA	39277	Non-ORW
2020/2022	NHOCN000000000-02-09	ATLANTIC OCEAN - STATE BEACH	NORTH HAMPTON	0.015	SQUARE MILES	Shellfish Consumption	DIOXIN - FISH CONSUMPTION ADVISORY	5-M				Non-ORW
2020/2022	NHOCN000000000-02-09	ATLANTIC OCEAN - STATE BEACH	NORTH HAMPTON	0.015	SQUARE MILES	Shellfish Consumption	Fecal Coliform	4A-P	9/21/2010	NEW HAMPSHIRE STATEWIDE BACTERIA	39280	Non-ORW
2020/2022	NHOCN000000000-02-09	ATLANTIC OCEAN - STATE BEACH	NORTH HAMPTON	0.015	SQUARE MILES	Shellfish Consumption	MERCURY - FISH CONSUMPTION ADVISORY	5-M				Non-ORW
2020/2022	NHOCN000000000-02-09	ATLANTIC OCEAN - STATE BEACH	NORTH HAMPTON	0.015	SQUARE MILES	Shellfish Consumption	PCBS - FISH CONSUMPTION ADVISORY	5-M				Non-ORW
2020/2022	NHOCN000000000-02-10	ATLANTIC OCEAN - HAMPTON BEACH STATE PARK BEACH	HAMPTON	0.077	SQUARE MILES	Fish Consumption	PCBS - FISH CONSUMPTION ADVISORY	5-M				Non-ORW
2020/2022	NHOCN000000000-02-10	ATLANTIC OCEAN - HAMPTON BEACH STATE PARK BEACH	HAMPTON	0.077	SQUARE MILES	Primary Contact Recreation	Enterococcus	2-G	9/21/2010	NEW HAMPSHIRE STATEWIDE BACTERIA	39277	Non-ORW
2020/2022	NHOCN000000000-02-10	ATLANTIC OCEAN - HAMPTON BEACH STATE PARK BEACH	HAMPTON	0.077	SQUARE MILES	Shellfish Consumption	DIOXIN - FISH CONSUMPTION ADVISORY	5-M				Non-ORW
2020/2022	NHOCN000000000-02-10	ATLANTIC OCEAN - HAMPTON BEACH STATE PARK BEACH	HAMPTON	0.077	SQUARE MILES	Shellfish Consumption	MERCURY - FISH CONSUMPTION ADVISORY	5-M				Non-ORW
2020/2022	NHOCN000000000-02-10	ATLANTIC OCEAN - HAMPTON BEACH STATE PARK BEACH	HAMPTON	0.077	SQUARE MILES	Shellfish Consumption	PCBS - FISH CONSUMPTION ADVISORY	5-M				Non-ORW
2020/2022	NHOCN000000000-02-11	ATLANTIC OCEAN - SEABROOK TOWN BEACH	SEABROOK	0.054	SQUARE MILES	Fish Consumption	PCBS - FISH CONSUMPTION ADVISORY	5-M				Non-ORW
2020/2022	NHOCN000000000-02-11	ATLANTIC OCEAN - SEABROOK TOWN BEACH	SEABROOK	0.054	SQUARE MILES	Primary Contact Recreation	Enterococcus	2-G	9/21/2010	NEW HAMPSHIRE STATEWIDE BACTERIA	39277	Non-ORW
2020/2022	NHOCN000000000-02-11	ATLANTIC OCEAN - SEABROOK TOWN BEACH	SEABROOK	0.054	SQUARE MILES	Shellfish Consumption	DIOXIN - FISH CONSUMPTION ADVISORY	5-M				Non-ORW
2020/2022	NHOCN000000000-02-11	ATLANTIC OCEAN - SEABROOK TOWN BEACH	SEABROOK	0.054	SQUARE MILES	Shellfish Consumption	MERCURY - FISH CONSUMPTION ADVISORY	5-M				Non-ORW
2020/2022	NHOCN000000000-02-11	ATLANTIC OCEAN - SEABROOK TOWN BEACH	SEABROOK	0.054	SQUARE MILES	Shellfish Consumption	PCBS - FISH CONSUMPTION ADVISORY	5-M				Non-ORW
2020/2022	NHOCN000000000-02-12	ATLANTIC OCEAN - NORTH BEACH	HAMPTON	0.140	SQUARE MILES	Fish Consumption	PCBS - FISH CONSUMPTION ADVISORY	5-M				Non-ORW
2020/2022	NHOCN000000000-02-12	ATLANTIC OCEAN - NORTH BEACH	HAMPTON	0.140	SQUARE MILES	Shellfish Consumption	DIOXIN - FISH CONSUMPTION ADVISORY	5-M				Non-ORW
2020/2022	NHOCN000000000-02-12	ATLANTIC OCEAN - NORTH BEACH	HAMPTON	0.140	SQUARE MILES	Shellfish Consumption	MERCURY - FISH CONSUMPTION ADVISORY	5-M				Non-ORW
2020/2022	NHOCN000000000-02-12	ATLANTIC OCEAN - NORTH BEACH	HAMPTON	0.140	SQUARE MILES	Shellfish Consumption	PCBS - FISH CONSUMPTION ADVISORY	5-M				Non-ORW
2020/2022	NHOCN000000000-02-13	ATLANTIC OCEAN - NORTHSIDE PARK BEACH	HAMPTON, NORTH HAMPTON	0.032	SQUARE MILES	Fish Consumption	PCBS - FISH CONSUMPTION ADVISORY	5-M				Non-ORW
2020/2022	NHOCN000000000-02-13	ATLANTIC OCEAN - NORTHSIDE PARK BEACH	HAMPTON, NORTH HAMPTON	0.032	SQUARE MILES	Shellfish Consumption	DIOXIN - FISH CONSUMPTION ADVISORY	5-M				Non-ORW
2020/2022	NHOCN000000000-02-13	ATLANTIC OCEAN - NORTHSIDE PARK BEACH	HAMPTON, NORTH HAMPTON	0.032	SQUARE MILES	Shellfish Consumption	MERCURY - FISH CONSUMPTION ADVISORY	5-M				Non-ORW
2020/2022	NHOCN000000000-02-13	ATLANTIC OCEAN - NORTHSIDE PARK BEACH	HAMPTON, NORTH HAMPTON	0.032	SQUARE MILES	Shellfish Consumption	PCBS - FISH CONSUMPTION ADVISORY	5-M				Non-ORW
2020/2022	NHOCN000000000-02-14	ATLANTIC OCEAN - FOSS BEACH	RYE	0.036	SQUARE MILES	Fish Consumption	PCBS - FISH CONSUMPTION ADVISORY	5-M				Non-ORW
2020/2022	NHOCN000000000-02-14	ATLANTIC OCEAN - FOSS BEACH	RYE	0.036	SQUARE MILES	Shellfish Consumption	DIOXIN - FISH CONSUMPTION ADVISORY	5-M				Non-ORW
2020/2022	NHOCN000000000-02-14	ATLANTIC OCEAN - FOSS BEACH	RYE	0.036	SQUARE MILES	Shellfish Consumption	MERCURY - FISH CONSUMPTION ADVISORY	5-M				Non-ORW
2020/2022	NHOCN000000000-02-14	ATLANTIC OCEAN - FOSS BEACH	RYE	0.036	SQUARE MILES	Shellfish Consumption	PCBS - FISH CONSUMPTION ADVISORY	5-M				Non-ORW
2020/2022	NHOCN000000000-02-15	ATLANTIC OCEAN - WALLIS SANDS WWTP OUTFALL	RYE	0.037	SQUARE MILES	Fish Consumption	PCBS - FISH CONSUMPTION ADVISORY	5-M				Non-ORW
2020/2022	NHOCN000000000-02-15	ATLANTIC OCEAN - WALLIS SANDS WWTP OUTFALL	RYE	0.037	SQUARE MILES	Shellfish Consumption	DIOXIN - FISH CONSUMPTION ADVISORY	5-M				Non-ORW
2020/2022	NHOCN000000000-02-15	ATLANTIC OCEAN - WALLIS SANDS WWTP OUTFALL	RYE	0.037	SQUARE MILES	Shellfish Consumption	MERCURY - FISH CONSUMPTION ADVISORY	5-M				Non-ORW
2020/2022	NHOCN000000000-02-15	ATLANTIC OCEAN - WALLIS SANDS WWTP OUTFALL	RYE	0.037	SQUARE MILES	Shellfish Consumption	PCBS - FISH CONSUMPTION ADVISORY	5-M				Non-ORW
2020/2022	NHOCN000000000-02-16	ATLANTIC OCEAN - WALLIS SANDS STATE PARK BEACH	RYE	0.004	SQUARE MILES	Fish Consumption	PCBS - FISH CONSUMPTION ADVISORY	5-M				Non-ORW
2020/2022	NHOCN000000000-02-16	ATLANTIC OCEAN - WALLIS SANDS STATE PARK BEACH	RYE	0.004	SQUARE MILES	Shellfish Consumption	DIOXIN - FISH CONSUMPTION ADVISORY	5-M				Non-ORW
2020/2022	NHOCN000000000-02-16	ATLANTIC OCEAN - WALLIS SANDS STATE PARK BEACH	RYE	0.004	SQUARE MILES	Shellfish Consumption	MERCURY - FISH CONSUMPTION ADVISORY	5-M				Non-ORW
2020/2022	NHOCN000000000-02-16	ATLANTIC OCEAN - WALLIS SANDS STATE PARK BEACH	RYE	0.004	SQUARE MILES	Shellfish Consumption	PCBS - FISH CONSUMPTION ADVISORY	5-M				Non-ORW
2020/2022	NHOCN000000000-02-17	NORTH BEACH WRACK ZONE	HAMPTON	0.131	SQUARE MILES	Fish Consumption	PCBS - FISH CONSUMPTION ADVISORY	5-M				Non-ORW
2020/2022	NHOCN000000000-02-17	NORTH BEACH WRACK ZONE	HAMPTON	0.131	SQUARE MILES	Shellfish Consumption	DIOXIN - FISH CONSUMPTION ADVISORY	5-M				Non-ORW
2020/2022	NHOCN000000000-02-17	NORTH BEACH WRACK ZONE	HAMPTON	0.131	SQUARE MILES	Shellfish Consumption	Fecal Coliform	5-P				Non-ORW
2020/2022	NHOCN000000000-02-17	NORTH BEACH WRACK ZONE	HAMPTON	0.131	SQUARE MILES	Shellfish Consumption	MERCURY - FISH CONSUMPTION ADVISORY	5-M				Non-ORW
2020/2022	NHOCN000000000-02-17	NORTH BEACH WRACK ZONE	HAMPTON	0.131	SQUARE MILES	Shellfish Consumption	PCBS - FISH CONSUMPTION ADVISORY	5-M				Non-ORW

2020/2022	NHOCN000000000-07	ATLANTIC OCEAN - PARSONS CREEK	RYE, OCEAN	0.052	SQUARE MILES	Shellfish Consumption	Fecal Coliform	4A-P	9/21/2010	NEW HAMPSHIRE STATEWIDE BACTERIA	39281	Non-ORW
2020/2022	NHOCN000000000-07	ATLANTIC OCEAN - PARSONS CREEK	RYE, OCEAN	0.052	SQUARE MILES	Shellfish Consumption	MERCURY - FISH CONSUMPTION ADVISORY	5-M				Non-ORW
2020/2022	NHOCN000000000-07	ATLANTIC OCEAN - PARSONS CREEK	RYE, OCEAN	0.052	SQUARE MILES	Shellfish Consumption	PCBS - FISH CONSUMPTION ADVISORY	5-M				Non-ORW
2020/2022	NHOCN000000000-08-01	ATLANTIC OCEAN - SEABROOK WWTP OUTFALL	HAMPTON, OCEAN, SEABROOK	2.657	SQUARE MILES	Fish Consumption	PCBS - FISH CONSUMPTION ADVISORY	5-M				Non-ORW
2020/2022	NHOCN000000000-08-01	ATLANTIC OCEAN - SEABROOK WWTP OUTFALL	HAMPTON, OCEAN, SEABROOK	2.657	SQUARE MILES	Shellfish Consumption	DIOXIN - FISH CONSUMPTION ADVISORY	5-M				Non-ORW
2020/2022	NHOCN000000000-08-01	ATLANTIC OCEAN - SEABROOK WWTP OUTFALL	HAMPTON, OCEAN, SEABROOK	2.657	SQUARE MILES	Shellfish Consumption	MERCURY - FISH CONSUMPTION ADVISORY	5-M				Non-ORW
2020/2022	NHOCN000000000-08-01	ATLANTIC OCEAN - SEABROOK WWTP OUTFALL	HAMPTON, OCEAN, SEABROOK	2.657	SQUARE MILES	Shellfish Consumption	PCBS - FISH CONSUMPTION ADVISORY	5-M				Non-ORW
2020/2022	NHOCN000000000-08-03	ATLANTIC OCEAN - SUN VALLEY BEACH	HAMPTON	0.003	SQUARE MILES	Fish Consumption	PCBS - FISH CONSUMPTION ADVISORY	5-M				Non-ORW
2020/2022	NHOCN000000000-08-03	ATLANTIC OCEAN - SUN VALLEY BEACH	HAMPTON	0.003	SQUARE MILES	Shellfish Consumption	DIOXIN - FISH CONSUMPTION ADVISORY	5-M				Non-ORW
2020/2022	NHOCN000000000-08-03	ATLANTIC OCEAN - SUN VALLEY BEACH	HAMPTON	0.003	SQUARE MILES	Shellfish Consumption	MERCURY - FISH CONSUMPTION ADVISORY	5-M				Non-ORW
2020/2022	NHOCN000000000-08-03	ATLANTIC OCEAN - SUN VALLEY BEACH	HAMPTON	0.003	SQUARE MILES	Shellfish Consumption	PCBS - FISH CONSUMPTION ADVISORY	5-M				Non-ORW
2020/2022	NHOCN000000000-09	ATLANTIC OCEAN - STAR ISLAND WWTF OUTFALL	OCEAN	1.095	SQUARE MILES	Aquatic Life Integrity	BOD, Biochemical oxygen demand	4B-T				Non-ORW
2020/2022	NHOCN000000000-09	ATLANTIC OCEAN - STAR ISLAND WWTF OUTFALL	OCEAN	1.095	SQUARE MILES	Fish Consumption	PCBS - FISH CONSUMPTION ADVISORY	5-M				Non-ORW
2020/2022	NHOCN000000000-09	ATLANTIC OCEAN - STAR ISLAND WWTF OUTFALL	OCEAN	1.095	SQUARE MILES	Shellfish Consumption	DIOXIN - FISH CONSUMPTION ADVISORY	5-M				Non-ORW
2020/2022	NHOCN000000000-09	ATLANTIC OCEAN - STAR ISLAND WWTF OUTFALL	OCEAN	1.095	SQUARE MILES	Shellfish Consumption	MERCURY - FISH CONSUMPTION ADVISORY	5-M				Non-ORW
2020/2022	NHOCN000000000-09	ATLANTIC OCEAN - STAR ISLAND WWTF OUTFALL	OCEAN	1.095	SQUARE MILES	Shellfish Consumption	PCBS - FISH CONSUMPTION ADVISORY	5-M				Non-ORW
2020/2022	NHOCN000000000-09-02	ATLANTIC OCEAN - STAR ISLAND BEACH	RYE	0.003	SQUARE MILES	Fish Consumption	PCBS - FISH CONSUMPTION ADVISORY	5-M				Non-ORW
2020/2022	NHOCN000000000-09-02	ATLANTIC OCEAN - STAR ISLAND BEACH	RYE	0.003	SQUARE MILES	Shellfish Consumption	DIOXIN - FISH CONSUMPTION ADVISORY	5-M				Non-ORW
2020/2022	NHOCN000000000-09-02	ATLANTIC OCEAN - STAR ISLAND BEACH	RYE	0.003	SQUARE MILES	Shellfish Consumption	MERCURY - FISH CONSUMPTION ADVISORY	5-M				Non-ORW
2020/2022	NHOCN000000000-09-02	ATLANTIC OCEAN - STAR ISLAND BEACH	RYE	0.003	SQUARE MILES	Shellfish Consumption	PCBS - FISH CONSUMPTION ADVISORY	5-M				Non-ORW
2020/2022	NHOCN000000000-11	ATLANTIC OCEAN - RYE HARBOR	RYE	0.100	SQUARE MILES	Fish Consumption	PCBS - FISH CONSUMPTION ADVISORY	5-M				Non-ORW
2020/2022	NHOCN000000000-11	ATLANTIC OCEAN - RYE HARBOR	RYE	0.100	SQUARE MILES	Shellfish Consumption	DIOXIN - FISH CONSUMPTION ADVISORY	5-M				Non-ORW
2020/2022	NHOCN000000000-11	ATLANTIC OCEAN - RYE HARBOR	RYE	0.100	SQUARE MILES	Shellfish Consumption	MERCURY - FISH CONSUMPTION ADVISORY	5-M				Non-ORW
2020/2022	NHOCN000000000-11	ATLANTIC OCEAN - RYE HARBOR	RYE	0.100	SQUARE MILES	Shellfish Consumption	PCBS - FISH CONSUMPTION ADVISORY	5-M				Non-ORW
2020/2022	NHRIV400010405-05	DEAD DIAMOND RIVER	SECOND COLLEGE GRANT	1.997	MILES	Aquatic Life Integrity	Oxygen, Dissolved	5-M				Non-ORW
2020/2022	NHRIV400010501-05	MILLSFIELD POND BROOK	MILLSFIELD, ERROL	2.334	MILES	Aquatic Life Integrity	Fishes Bioassessments (Streams)	5-P				Non-ORW
2020/2022	NHRIV400010502-01	CLEAR STREAM - FLUME BROOK - UNNAMED BROOK - CASCADE BROOK	DIXVILLE, MILLSFIELD	15.397	MILES	Aquatic Life Integrity	Aluminum	5-M				Non-ORW
2020/2022	NHRIV400010602-10	NEWELL BROOK	DUMMER, MILLSFIELD	9.806	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV400010605-02	ANDROSCOGGIN RIVER	MILAN	3.913	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV400010605-04	NORTH BRANCH HORNE BROOK - UNNAMED BROOK	SUCCESS	9.525	MILES							Review OneStop GIS
2020/2022	NHRIV400010605-07	BEAN BROOK - UNNAMED BROOK	SUCCESS, BERLIN	5.945	MILES							Review OneStop GIS
2020/2022	NHRIV400010605-10	ANDROSCOGGIN RIVER	BERLIN	0.113	MILES	Fish Consumption	Dioxin (including 2,3,7,8-TCDD)	4B-M				Non-ORW
2020/2022	NHRIV400010605-10	ANDROSCOGGIN RIVER	BERLIN	0.113	MILES	Primary Contact Recreation	Escherichia coli	4B-M				Non-ORW
2020/2022	NHRIV400010605-11	ANDROSCOGGIN RIVER	BERLIN	0.348	MILES	Fish Consumption	Dioxin (including 2,3,7,8-TCDD)	4B-M				Non-ORW
2020/2022	NHRIV400010605-11	ANDROSCOGGIN RIVER	BERLIN	0.348	MILES	Fish Consumption	Mercury	5-P				Non-ORW
2020/2022	NHRIV400010605-11	ANDROSCOGGIN RIVER	BERLIN	0.348	MILES	Primary Contact Recreation	Escherichia coli	4B-M				Non-ORW
2020/2022	NHRIV400010606-01	JERICHO BROOK - UNNAMED BROOK	BERLIN, RANDOLPH	11.511	MILES							Review OneStop GIS
2020/2022	NHRIV400010606-02	DEAD RIVER - JERICHO BROOK - UNNAMED BROOK	BERLIN	17.038	MILES	Primary Contact Recreation	Escherichia coli	4B-P				Non-ORW
2020/2022	NHRIV400010606-03	CASCADE ALPINE BROOK - UNNAMED BROOK	SUCCESS, BERLIN, GORHAM	6.278	MILES							Review OneStop GIS
2020/2022	NHRIV400010606-07	ANDROSCOGGIN RIVER	BERLIN	0.559	MILES	Fish Consumption	Dioxin (including 2,3,7,8-TCDD)	4B-M				Non-ORW
2020/2022	NHRIV400010606-07	ANDROSCOGGIN RIVER	BERLIN	0.559	MILES	Primary Contact Recreation	Escherichia coli	4B-M				Non-ORW
2020/2022	NHRIV400010606-08	ANDROSCOGGIN RIVER	BERLIN	0.339	MILES	Fish Consumption	Dioxin (including 2,3,7,8-TCDD)	4B-M				Non-ORW

2020/2022	NHRIV400010606-08	ANDROSCOGGIN RIVER	BERLIN	0.339	MILES	Primary Contact Recreation	Escherichia coli	4B-M		Non-ORW
2020/2022	NHRIV400010606-09	ANDROSCOGGIN RIVER	BERLIN	0.146	MILES	Fish Consumption	Dioxin (including 2,3,7,8-TCDD)	4B-M		Non-ORW
2020/2022	NHRIV400010606-09	ANDROSCOGGIN RIVER	BERLIN	0.146	MILES	Primary Contact Recreation	Escherichia coli	4B-M		Non-ORW
2020/2022	NHRIV400010606-10	ANDROSCOGGIN RIVER	GORHAM	2.344	MILES	Fish Consumption	Dioxin (including 2,3,7,8-TCDD)	4B-M		Non-ORW
2020/2022	NHRIV400010606-10	ANDROSCOGGIN RIVER	GORHAM	2.344	MILES	Primary Contact Recreation	Escherichia coli	4B-M		Non-ORW
2020/2022	NHRIV400010606-11	UNNAMED BROOK	BERLIN	0.430	MILES					Review OneStop GIS
2020/2022	NHRIV400010606-15	UNNAMED BROOK	GORHAM, SHELBURNE	3.492	MILES					Review OneStop GIS
2020/2022	NHRIV400020101-01	MOOSE RIVER - UNNAMED BROOK	RANDOLPH, LOW AND BURBANKS GRANT	28.019	MILES					ORW
2020/2022	NHRIV400020101-02	COLD BROOK - SPUR BROOK - UNNAMED BROOK	LOW AND BURBANKS GRANT, RANDOLPH	8.475	MILES					ORW
2020/2022	NHRIV400020101-03	SNYDER BROOK	RANDOLPH, LOW AND BURBANKS GRANT	5.255	MILES					ORW
2020/2022	NHRIV400020101-04	MOOSE RIVER	GORHAM, RANDOLPH	9.342	MILES					Review OneStop GIS
2020/2022	NHRIV400020101-05	CARLTON BROOK - UNNAMED BROOK	RANDOLPH	7.785	MILES					ORW
2020/2022	NHRIV400020101-06	BUMPUS BROOK - UNNAMED BROOK	RANDOLPH, LOW AND BURBANKS GRANT	5.305	MILES					ORW
2020/2022	NHRIV400020101-07	TOWNLINE BROOK	RANDOLPH, GORHAM	1.735	MILES					ORW
2020/2022	NHRIV400020101-10	MOOSE BROOK - PERKINS BROOK - UNNAMED BROOK	RANDOLPH, GORHAM	18.533	MILES	Aquatic Life Integrity	pH	5-M		Non-ORW
2020/2022	NHRIV400020101-11	MOOSE BROOK	GORHAM	2.079	MILES	Aquatic Life Integrity	Aluminum	5-M		Non-ORW
2020/2022	NHRIV400020101-12	ANDROSCOGGIN RIVER	GORHAM	1.051	MILES	Aquatic Life Integrity	Oxygen, Dissolved	5-P		Non-ORW
2020/2022	NHRIV400020101-12	ANDROSCOGGIN RIVER	GORHAM	1.051	MILES	Aquatic Life Integrity	pH	5-M		Non-ORW
2020/2022	NHRIV400020101-12	ANDROSCOGGIN RIVER	GORHAM	1.051	MILES	Fish Consumption	Dioxin (including 2,3,7,8-TCDD)	4B-M		Non-ORW
2020/2022	NHRIV400020101-14	UNNAMED BROOK	RANDOLPH	2.089	MILES					ORW
2020/2022	NHRIV400020101-15	UNNAMED BROOK	GORHAM	0.741	MILES					ORW
2020/2022	NHRIV400020101-16	UNNAMED BROOK	GORHAM	1.246	MILES					ORW
2020/2022	NHRIV400020101-17	UNNAMED BROOK	GORHAM	0.659	MILES					ORW
2020/2022	NHRIV400020101-18	UNNAMED BROOK	GORHAM	0.410	MILES					ORW
2020/2022	NHRIV400020101-19	UNNAMED BROOK	RANDOLPH	0.178	MILES					ORW
2020/2022	NHRIV400020101-20	UNNAMED BROOK	RANDOLPH	1.367	MILES					ORW
2020/2022	NHRIV400020101-21	UNNAMED BROOK	RANDOLPH	0.762	MILES					ORW
2020/2022	NHRIV400020101-22	UNNAMED BROOK	RANDOLPH	0.943	MILES					ORW
2020/2022	NHRIV400020101-25	UNNAMED BROOK	RANDOLPH	2.103	MILES					ORW
2020/2022	NHRIV400020101-27	UNNAMED BROOK	GORHAM	0.616	MILES					ORW
2020/2022	NHRIV400020102-01	PEABODY RIVER - THOMPSON BROOK - UNNAMED BROOK	PINKHAMS GRANT, BEANS PURCHASE, SARGENTS PURCHASE	7.235	MILES					ORW
2020/2022	NHRIV400020102-02	PEABODY RIVER - COWBOY BROOK - NINETEEN BROOK	GREENS GRANT, BEANS PURCHASE, PINKHAMS GRANT, SARGENTS PURCHASE, THOMPSON AND MESERVES PURCHASE	12.520	MILES					ORW
2020/2022	NHRIV400020102-03-01	IMP BRK - PEABODY R - WEST BR PEABODY R - PARAPET BRK - CHANDLER BRK	THOMPSON AND MESERVES PURCHASE, BEANS PURCHASE, GREENS GRANT, MARTINS LOCATION, SARGENTS PURCHASE	44.354	MILES					ORW
2020/2022	NHRIV400020102-03-02	PEABODY RIVER - DOLLY COPP CAMPGROUND BEACH	MARTINS LOCATION	0.020	MILES					ORW
2020/2022	NHRIV400020102-04	PEABODY R - BARNES - STONY - TOWNLINE - CLAY - CULHANE - AND BEAR SPRING BROOKS	GORHAM, BEANS PURCHASE, LOW AND BURBANKS GRANT, MARTINS LOCATION, SHELBURNE, THOMPSON AND MESERVES PURCHASE	35.667	MILES					ORW
2020/2022	NHRIV400020102-05	PEABODY RIVER - UNNAMED BROOK	GORHAM, SHELBURNE	8.732	MILES					Review OneStop GIS
2020/2022	NHRIV400020102-06	ANDROSCOGGIN RIVER	GORHAM	0.907	MILES	Fish Consumption	Dioxin (including 2,3,7,8-TCDD)	4B-M		Non-ORW
2020/2022	NHRIV400020102-09	NINETEEN BROOK - UNNAMED BROOK	BEANS PURCHASE, GREENS GRANT	5.009	MILES					ORW
2020/2022	NHRIV400020103-01	PEA BROOK - KIDDER BROOK - UNNAMED BROOK	SHELBURNE	6.728	MILES					Review OneStop GIS
2020/2022	NHRIV400020103-02	LEADMINE BROOK - PEABODY BROOK	SHELBURNE, SUCCESS	4.614	MILES					Review OneStop GIS
2020/2022	NHRIV400020103-03	ANDROSCOGGIN RIVER	SHELBURNE, GORHAM	2.333	MILES	Fish Consumption	Dioxin (including 2,3,7,8-TCDD)	4B-M		Non-ORW
2020/2022	NHRIV400020103-04	RATTLE RIVER - UNNAMED BROOK	SHELBURNE	9.322	MILES					Review OneStop GIS
2020/2022	NHRIV400020103-05	RATTLE RIVER	SHELBURNE	0.587	MILES					Review OneStop GIS
2020/2022	NHRIV400020103-06	ANDROSCOGGIN RIVER	SHELBURNE	9.054	MILES	Aquatic Life Integrity	Aluminum	5-M		Non-ORW
2020/2022	NHRIV400020103-06	ANDROSCOGGIN RIVER	SHELBURNE	9.054	MILES	Aquatic Life Integrity	pH	5-M		Non-ORW
2020/2022	NHRIV400020103-06	ANDROSCOGGIN RIVER	SHELBURNE	9.054	MILES	Fish Consumption	Dioxin (including 2,3,7,8-TCDD)	4B-M		Non-ORW
2020/2022	NHRIV400020103-06	ANDROSCOGGIN RIVER	SHELBURNE	9.054	MILES	Primary Contact Recreation	Escherichia coli	4B-M		Non-ORW
2020/2022	NHRIV400020103-07	CLEMENT BROOK - EAST BROOK	SHELBURNE	11.082	MILES					Review OneStop GIS
2020/2022	NHRIV400020103-08	AUSTIN MILL BROOK - DRYAD BROOK - UNNAMED BROOK	SHELBURNE, SUCCESS	9.646	MILES					Review OneStop GIS
2020/2022	NHRIV400020103-10	UNNAMED BROOK	SHELBURNE	8.564	MILES					Review OneStop GIS
2020/2022	NHRIV400020103-11	LARY BROOK - UNNAMED BROOK - INGALLS BROOK	SHELBURNE, SUCCESS	14.487	MILES					Review OneStop GIS
2020/2022	NHRIV400020103-12	LEADMINE BROOK - UNNAMED BROOK	SHELBURNE, SUCCESS	10.048	MILES					Review OneStop GIS
2020/2022	NHRIV400020103-13	UNNAMED BROOK	SHELBURNE	2.010	MILES					Review OneStop GIS
2020/2022	NHRIV400020103-16	JOSH BROOK - UNNAMED BROOK	SHELBURNE	3.381	MILES					Review OneStop GIS
2020/2022	NHRIV400020103-17	UNNAMED BROOK	SHELBURNE	3.014	MILES					Review OneStop GIS
2020/2022	NHRIV400020103-18	UNNAMED BROOK	SHELBURNE	0.897	MILES					Review OneStop GIS
2020/2022	NHRIV400020103-21	UNNAMED BROOK	SHELBURNE	0.613	MILES					Review OneStop GIS
2020/2022	NHRIV400020103-22	UNNAMED BROOK	SHELBURNE	0.986	MILES					Review OneStop GIS
2020/2022	NHRIV400020103-24	SCHOOLHOUSE BROOK - UNNAMED BROOK	SHELBURNE	1.282	MILES					Review OneStop GIS
2020/2022	NHRIV400020201-01	WILD R - BALDFACE BRK - CEDAR BRK - SPRUCE BRK - UNNAMED BRK - RED BRK	BEANS PURCHASE, JACKSON	29.178	MILES					ORW
2020/2022	NHRIV400020201-02	UNNAMED BROOK - WILD RIVER - MORIAH BROOK - CYPRESS BROOK	BEANS PURCHASE	31.470	MILES					ORW
2020/2022	NHRIV400020201-03	WILD R - BLUE - BURNT MILL - MARTINS - TWIN - BULL - DEWDROP - AND PINE BROOKS	BEANS PURCHASE, SHELBURNE	49.292	MILES					ORW
2020/2022	NHRIV400020201-04	UNNAMED BROOK	BEANS PURCHASE	0.277	MILES					ORW
2020/2022	NHRIV600020101-01	SACO RIVER - ELEPHANT HEAD BROOK - SILVER CASCADE - UNNAMED BROOK - WILLEY BROOK	HARTS LOCATION, BEANS GRANT, BETHLEHEM, CARROLL	8.573	MILES					ORW
2020/2022	NHRIV600020101-02	AVALANCHE BROOK	LIVERMORE, HARTS LOCATION	3.964	MILES					ORW
2020/2022	NHRIV600020101-03	UNNAMED BROOK - BEMIS BROOK	HARTS LOCATION, LIVERMORE	4.430	MILES					ORW

2020/2022	NHRIV600020101-04	DRY RIVER - UNNAMED BROOK	CUTTS GRANT, BEANS GRANT, CHANDLERS PURCHASE, HADLEYS PURCHASE, HARTS LOCATION, SARGENTS PURCHASE	33.297	MILES							ORW
2020/2022	NHRIV600020101-05	SACO RIVER - BEMIS BROOK	HARTS LOCATION, BEANS GRANT	6.595	MILES							ORW
2020/2022	NHRIV600020101-06	SLEEPER BROOK - UNNAMED BROOK	HADLEYS PURCHASE, HARTS LOCATION, SARGENTS PURCHASE	4.024	MILES							ORW
2020/2022	NHRIV600020101-07	NANCY BROOK	LIVERMORE, HARTS LOCATION	4.375	MILES							ORW
2020/2022	NHRIV600020101-08	SACO RIVER	HARTS LOCATION	7.210	MILES							ORW
2020/2022	NHRIV600020101-09	DAVIS BROOK - UNNAMED BROOK	LIVERMORE, HARTS LOCATION	3.631	MILES							ORW
2020/2022	NHRIV600020101-10	UNNAMED BROOK	HARTS LOCATION, HADLEYS PURCHASE	2.278	MILES							ORW
2020/2022	NHRIV600020101-11	UNNAMED BROOK	HARTS LOCATION	0.489	MILES							ORW
2020/2022	NHRIV600020101-12	WEBSTER BROOK	BEANS GRANT, CUTTS GRANT, HARTS LOCATION	2.120	MILES							ORW
2020/2022	NHRIV600020101-13	UNNAMED BROOK	HARTS LOCATION, HADLEYS PURCHASE	0.670	MILES							ORW
2020/2022	NHRIV600020101-14	HALFWAY BROOK	HARTS LOCATION, LIVERMORE	2.205	MILES							ORW
2020/2022	NHRIV600020101-15	UNNAMED BROOK	HARTS LOCATION, HADLEYS PURCHASE	0.764	MILES							ORW
2020/2022	NHRIV600020101-16	UNNAMED BROOK	HARTS LOCATION, HADLEYS PURCHASE	0.579	MILES							ORW
2020/2022	NHRIV600020101-17	UNNAMED BROOK	HARTS LOCATION	0.096	MILES							ORW
2020/2022	NHRIV600020102-01	SAWYER RIVER - CARRIGAIN BROOK - UNNAMED BROOK	LIVERMORE	23.826	MILES							ORW
2020/2022	NHRIV600020102-02	SAWYER RIVER - WHITEFACE BROOK	LIVERMORE, HARTS LOCATION	11.619	MILES							ORW
2020/2022	NHRIV600020102-03	UNNAMED BROOK	LIVERMORE	0.096	MILES							ORW
2020/2022	NHRIV600020102-04	UNNAMED BROOK	LIVERMORE	1.511	MILES							ORW
2020/2022	NHRIV600020103-01	ROCKY BRANCH - UNNAMED BROOK - LOWER STAIRS BROOK - UPPER STAIRS BROOK	BARTLETT, CUTTS GRANT, JACKSON, SARGENTS PURCHASE	34.813	MILES							Review OneStop GIS
2020/2022	NHRIV600020103-02	ROCKY BRANCH	BARTLETT	2.180	MILES							Review OneStop GIS
2020/2022	NHRIV600020103-04	MOUNTAIN BROOK	BARTLETT	1.145	MILES							Review OneStop GIS
2020/2022	NHRIV600020104-01	BOG BRK - UNNAMED BRK - WILDCAT BRK - DAVIS BRK - MARSH BRK - THAN BRK	JACKSON, BEANS PURCHASE	23.195	MILES							Review OneStop GIS
2020/2022	NHRIV600020104-02	WILDCAT BROOK - GREAT BROOK	JACKSON	7.055	MILES							Review OneStop GIS
2020/2022	NHRIV600020104-03	WILDCAT BROOK	JACKSON	0.542	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV600020104-03	WILDCAT BROOK	JACKSON	0.542	MILES	Primary Contact Recreation	Escherichia coli	4A-P	9/21/2010	NEW HAMPSHIRE STATEWIDE BACTERIA	39273	Non-ORW
2020/2022	NHRIV600020104-04	THORN HILL BROOK	JACKSON	1.089	MILES	Aquatic Life Integrity	Chloride	5-P				Non-ORW
2020/2022	NHRIV600020104-04	THORN HILL BROOK	JACKSON	1.089	MILES	Aquatic Life Integrity	pH	5-P				Non-ORW
2020/2022	NHRIV600020105-01	ELLIS RIVER - CUTLER RIVER - UNNAMED BROOK	SARGENTS PURCHASE, PINKHAMS GRANT, THOMPSON AND MESERVES PURCHASE	9.016	MILES							ORW
2020/2022	NHRIV600020105-02	ELLIS RIVER - NEW RIVER - UNNAMED BROOK	JACKSON, BEANS PURCHASE, PINKHAMS GRANT, SARGENTS PURCHASE	25.968	MILES							Review OneStop GIS
2020/2022	NHRIV600020105-03	MILES BROOK - UNNAMED BROOK	JACKSON, SARGENTS PURCHASE	7.782	MILES							Review OneStop GIS
2020/2022	NHRIV600020105-04	MESERVE BROOK	JACKSON	2.486	MILES							ORW
2020/2022	NHRIV600020105-05	ELLIS RIVER - UNNAMED BROOK - MESERVE BROOK - SPRUCE BROOK	JACKSON, BARTLETT	9.166	MILES							Review OneStop GIS
2020/2022	NHRIV600020105-06	ELLIS RIVER - UNNAMED BROOK	JACKSON, BARTLETT	1.415	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV600020105-07	ELLIS RIVER - UNNAMED BROOK	BARTLETT	4.587	MILES	Aquatic Life Integrity	Lead	5-M				Non-ORW
2020/2022	NHRIV600020105-07	ELLIS RIVER - UNNAMED BROOK	BARTLETT	4.587	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV600020105-07	ELLIS RIVER - UNNAMED BROOK	BARTLETT	4.587	MILES	Primary Contact Recreation	Escherichia coli	4A-M	9/21/2010	NEW HAMPSHIRE STATEWIDE BACTERIA	39273	Non-ORW
2020/2022	NHRIV600020105-08	MESERVE BROOK - UNNAMED BROOK	JACKSON	1.535	MILES							Review OneStop GIS
2020/2022	NHRIV600020105-10	CUTLER RIVER	SARGENTS PURCHASE	0.494	MILES							ORW
2020/2022	NHRIV600020105-13	UNNAMED BROOK	BARTLETT, JACKSON	2.660	MILES							Review OneStop GIS
2020/2022	NHRIV600020106-01	ALBANY BROOK - UNNAMED BROOK	BARTLETT	3.815	MILES							ORW
2020/2022	NHRIV600020106-02	ALBANY BROOK - UNNAMED BROOK	BARTLETT	5.411	MILES							Review OneStop GIS
2020/2022	NHRIV600020106-03	UNNAMED BROOK - RAZOR BROOK	HADLEYS PURCHASE, BARTLETT, SARGENTS PURCHASE	14.696	MILES							Review OneStop GIS
2020/2022	NHRIV600020106-04	BARTLETT BROOK - UNNAMED BROOK	BARTLETT	3.855	MILES							Review OneStop GIS
2020/2022	NHRIV600020106-05	BARTLETT BROOK	BARTLETT	0.358	MILES							Review OneStop GIS
2020/2022	NHRIV600020106-06	BARTLETT BROOK - UNNAMED BROOK	BARTLETT	4.700	MILES							Review OneStop GIS
2020/2022	NHRIV600020106-07	STONY BROOK - UNNAMED BROOK	BARTLETT	5.463	MILES							Review OneStop GIS
2020/2022	NHRIV600020106-08	MEADOW BROOK - SACO RIVER - UNNAMED BROOK - BARTLETT BROOK - STONY BROOK	BARTLETT, HARTS LOCATION	11.848	MILES							Review OneStop GIS
2020/2022	NHRIV600020106-09	SACO RIVER	BARTLETT	1.435	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV600020106-10	LOUISVILLE BROOK - UNNAMED BROOK	BARTLETT	4.684	MILES							ORW
2020/2022	NHRIV600020106-11	STONY BROOK - UNNAMED BROOK	BARTLETT, HARTS LOCATION, LIVERMORE	4.430	MILES							ORW
2020/2022	NHRIV600020106-12	UNNAMED BROOK	BARTLETT	3.327	MILES							Review OneStop GIS
2020/2022	NHRIV600020106-13	UNNAMED BROOK	BARTLETT	0.631	MILES							Review OneStop GIS
2020/2022	NHRIV600020106-14	UNNAMED BROOK	HARTS LOCATION, BARTLETT	0.694	MILES							Review OneStop GIS
2020/2022	NHRIV600020106-16	UNNAMED BROOK	BARTLETT	2.401	MILES							Review OneStop GIS
2020/2022	NHRIV600020106-17	MEADOW BROOK - UNNAMED BROOK	BARTLETT	3.092	MILES							Review OneStop GIS
2020/2022	NHRIV600020106-21	UNNAMED BROOK	BARTLETT	0.647	MILES							Review OneStop GIS
2020/2022	NHRIV600020106-22	COW BROOK	BARTLETT	0.953	MILES							Review OneStop GIS
2020/2022	NHRIV600020106-24	UNNAMED BROOK	BARTLETT	1.418	MILES							Review OneStop GIS
2020/2022	NHRIV600020201-01	SWIFT RIVER - MEADOW BROOK	LIVERMORE	17.715	MILES							ORW
2020/2022	NHRIV600020201-02	SWIFT RIVER - PINE BEND BROOK	LIVERMORE, WATERVILLE VALLEY	6.462	MILES							ORW
2020/2022	NHRIV600020201-03	SWIFT RIVER - UNNAMED BROOK - SABBADAY BROOK	WATERVILLE VALLEY, ALBANY	8.163	MILES							ORW
2020/2022	NHRIV600020201-04	DOWNES BROOK	WATERVILLE VALLEY, ALBANY	7.124	MILES							ORW
2020/2022	NHRIV600020201-05	UNNAMED BROOK - TO NORTH CHURCH PONDS	LIVERMORE	1.550	MILES							ORW
2020/2022	NHRIV600020201-06	UNNAMED BROOK - FROM NORTH CHURCH POND TO SOUTH CHURCH POND	ALBANY	0.314	MILES							ORW
2020/2022	NHRIV600020201-07	POND BROOK	ALBANY, BARTLETT, LIVERMORE	3.737	MILES							ORW
2020/2022	NHRIV600020201-08	WHITE BROOK - UNNAMED BROOK	ALBANY	2.435	MILES							ORW
2020/2022	NHRIV600020201-09	SWIFT RIVER	ALBANY	1.870	MILES							ORW

2020/2022	NHRIV600020202-01	OLIVERAN BROOK	ALBANY, WATERVILLE VALLEY	5.930	MILES							ORW
2020/2022	NHRIV600020202-02	OLIVERAN BROOK	ALBANY	5.309	MILES							ORW
2020/2022	NHRIV600020202-03	ROB BROOK - UNNAMED BROOK	ALBANY, BARTLETT	7.080	MILES							ORW
2020/2022	NHRIV600020202-04	STEAM MILL BROOK	ALBANY	2.805	MILES							ORW
2020/2022	NHRIV600020202-05-01	SWIFT RIVER - UNNAMED BROOK	ALBANY	8.133	MILES							ORW
2020/2022	NHRIV600020202-05-02	SWIFT RIVER - ROCKY GORGE BEACH	ALBANY	0.020	MILES							ORW
2020/2022	NHRIV600020202-05-03	SWIFT RIVER - LOWER FALLS BEACH	ALBANY	0.020	MILES							ORW
2020/2022	NHRIV600020202-06	DOUGLAS BROOK - UNNAMED BROOK	ALBANY, BARTLETT	9.434	MILES							ORW
2020/2022	NHRIV600020202-07	FALLS BROOK - CILLEY BROOK	ALBANY, BARTLETT	3.190	MILES							ORW
2020/2022	NHRIV600020202-08	HASKELL BROOK - UNNAMED BROOK	ALBANY, BARTLETT	1.271	MILES							ORW
2020/2022	NHRIV600020202-09	UNNAMED BROOK	ALBANY	0.476	MILES							ORW
2020/2022	NHRIV600020202-10	UNNAMED BROOK	ALBANY	0.406	MILES							ORW
2020/2022	NHRIV600020202-11	CHAMPNEY BROOK	ALBANY	3.171	MILES							ORW
2020/2022	NHRIV600020202-12	TWIN BROOK	ALBANY	2.801	MILES							ORW
2020/2022	NHRIV600020202-13	CURRIER BROOK	ALBANY	1.144	MILES							ORW
2020/2022	NHRIV600020203-01	SWIFT RIVER - UNNAMED BROOK - DEER BROOK - BIG BROOK	ALBANY, BARTLETT	18.259	MILES							ORW
2020/2022	NHRIV600020203-02	SWIFT RIVER - ALLARD BROOK - DRY BROOK - HOBBS BROOK	ALBANY	8.150	MILES							ORW
2020/2022	NHRIV600020203-03	DRY BROOK	ALBANY	1.601	MILES							ORW
2020/2022	NHRIV600020203-04	DRY BROOK	ALBANY	1.016	MILES							ORW
2020/2022	NHRIV600020203-05	RED EAGLE BROOK	CONWAY, ALBANY	1.258	MILES							Review OneStop GIS
2020/2022	NHRIV600020203-06	SWIFT RIVER	ALBANY, CONWAY	3.379	MILES							Review OneStop GIS
2020/2022	NHRIV600020203-07	SWIFT RIVER	CONWAY	0.403	MILES	Aquatic Life Integrity	Aluminum	5-M				Non-ORW
2020/2022	NHRIV600020203-07	SWIFT RIVER	CONWAY	0.403	MILES	Aquatic Life Integrity	Lead	5-M				Non-ORW
2020/2022	NHRIV600020203-07	SWIFT RIVER	CONWAY	0.403	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV600020203-07	SWIFT RIVER	CONWAY	0.403	MILES	Primary Contact Recreation	Escherichia coli	4A-M	9/21/2010	NEW HAMPSHIRE STATEWIDE BACTERIA	39272	Non-ORW
2020/2022	NHRIV600020203-10	RED EAGLE BROOK - UNNAMED BROOK	ALBANY	3.208	MILES							ORW
2020/2022	NHRIV600020203-15	UNNAMED BROOK	ALBANY	0.672	MILES							ORW
2020/2022	NHRIV600020203-16	UNNAMED BROOK	ALBANY	0.300	MILES							ORW
2020/2022	NHRIV600020301-01	EAST BR SACO R - EAST FORK EAST BR SACO R - BLACK BRK - GULF BRK	JACKSON, BEANS PURCHASE, CHATHAM	21.816	MILES	Primary Contact Recreation	Escherichia coli	3-ND	9/21/2010	NEW HAMPSHIRE STATEWIDE BACTERIA	39269	ORW
2020/2022	NHRIV600020301-02	EAST BRANCH SACO RIVER - BURNT KNOLL BROOK - SLIPPERY BROOK - UNNAMED BROOK	CHATHAM, BARTLETT, JACKSON	29.059	MILES							Review OneStop GIS
2020/2022	NHRIV600020301-03	EAST BRANCH SACO RIVER - UNNAMED BROOK - GARDINER BROOK - WHITTEN BROOK	BARTLETT, CHATHAM	8.955	MILES							Review OneStop GIS
2020/2022	NHRIV600020301-04	EAST BRANCH SACO RIVER - UNNAMED BROOK	BARTLETT, JACKSON	9.215	MILES	Primary Contact Recreation	Escherichia coli	4A-M	9/21/2010	NEW HAMPSHIRE STATEWIDE BACTERIA	39273	Review OneStop GIS
2020/2022	NHRIV600020302-01	UNNAMED BROOK - LUCY BROOK	BARTLETT, CONWAY	11.470	MILES							Review OneStop GIS
2020/2022	NHRIV600020302-02-01	SACO RIVER	CONWAY, BARTLETT	11.033	MILES	Aquatic Life Integrity	Lead	5-M				Non-ORW
2020/2022	NHRIV600020302-02-01	SACO RIVER	CONWAY, BARTLETT	11.033	MILES	Aquatic Life Integrity	pH	5-P				Non-ORW
2020/2022	NHRIV600020302-02-02	SACO RIVER - FIRST BRIDGE REC AREA BEACH	CONWAY	0.020	MILES	Primary Contact Recreation	Escherichia coli	2-M	9/21/2010	NEW HAMPSHIRE STATEWIDE BACTERIA	39275	Non-ORW
2020/2022	NHRIV600020302-05-01	KEARSARGE BROOK	CHATHAM, BARTLETT	6.346	MILES							Review OneStop GIS
2020/2022	NHRIV600020302-05-02	KEARSARGE BROOK - UNNAMED BROOK - ARTIST BROOK	CONWAY, BARTLETT	13.588	MILES							Review OneStop GIS
2020/2022	NHRIV600020302-06	MOAT BROOK - UNNAMED BROOK	CONWAY, ALBANY, BARTLETT, HALES LOCATION	13.206	MILES							Review OneStop GIS
2020/2022	NHRIV600020302-18	UNNAMED BROOK	BARTLETT	0.651	MILES							Review OneStop GIS
2020/2022	NHRIV600020303-01	MEADOW BROOK - UNNAMED BROOK - TO IONA LAKE	ALBANY	2.472	MILES							Review OneStop GIS
2020/2022	NHRIV600020303-03	CREAM BROOK	ALBANY, MADISON	6.814	MILES							Review OneStop GIS
2020/2022	NHRIV600020303-05	BANFIELD BROOK	MADISON	0.125	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV600020303-06	PEQUAWKET BROOK	MADISON	7.214	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV600020303-07	PEQUAWKET BROOK	ALBANY, MADISON	2.190	MILES	Aquatic Life Integrity	Dissolved oxygen saturation	5-M				Non-ORW
2020/2022	NHRIV600020303-07	PEQUAWKET BROOK	ALBANY, MADISON	2.190	MILES	Aquatic Life Integrity	Oxygen, Dissolved	5-M				Non-ORW
2020/2022	NHRIV600020303-07	PEQUAWKET BROOK	ALBANY, MADISON	2.190	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV600020303-14	BIG PEA PORRIDGE POND-MUDDY BEACH INLET	MADISON	0.937	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV600020303-15	BANFIELD BROOK - UNNAMED BROOK	CONWAY, MADISON	1.485	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV600020303-17	UNNAMED BROOK	ALBANY	1.512	MILES							Review OneStop GIS
2020/2022	NHRIV600020304-01-01	SACO RIVER	CONWAY	0.661	MILES	Primary Contact Recreation	Escherichia coli	4A-M	9/21/2010	NEW HAMPSHIRE STATEWIDE BACTERIA	39272	Non-ORW
2020/2022	NHRIV600020304-01-02	SACO RIVER - DAVIS PARK REC AREA BEACH	CONWAY	0.020	MILES	Primary Contact Recreation	Escherichia coli	3-PNS	9/21/2010	NEW HAMPSHIRE STATEWIDE BACTERIA	39275	Non-ORW
2020/2022	NHRIV600020304-10-02	SACO RIVER - SMITH EASTON REC AREA BEACH	CONWAY	0.020	MILES	Primary Contact Recreation	Escherichia coli	4A-M	9/21/2010	NEW HAMPSHIRE STATEWIDE BACTERIA	39275	Non-ORW
2020/2022	NHRIV600020305-02	SACO RIVER	CONWAY	3.451	MILES	Aquatic Life Integrity	Aluminum	5-M				Non-ORW
2020/2022	NHRIV600020305-02	SACO RIVER	CONWAY	3.451	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV600020305-05	WEEKS BROOK - UNNAMED BROOK	CONWAY, CHATHAM	15.744	MILES							Review OneStop GIS
2020/2022	NHRIV600020401-01	BASIN BROOK - UNNAMED BROOK	CHATHAM, BEANS PURCHASE	4.353	MILES							ORW
2020/2022	NHRIV600020401-02	COLD RIVER - SHELL POND BROOK - MILL BROOK - UNNAMED BROOK	CHATHAM, BEANS PURCHASE	9.506	MILES							Review OneStop GIS
2020/2022	NHRIV600020401-03	CHARLES BROOK - UNNAMED BROOK	BEANS PURCHASE, CHATHAM	8.619	MILES							Review OneStop GIS
2020/2022	NHRIV600020401-04	COLD RIVER - CHARLES BROOK - CHANDLER BROOK - UNNAMED BROOK	CHATHAM	8.992	MILES							Review OneStop GIS
2020/2022	NHRIV600020401-05	BRADLEY BROOK - UNNAMED BROOK	CHATHAM	7.028	MILES							Review OneStop GIS
2020/2022	NHRIV600020401-06	LITTLE COLD RIVER - UNNAMED BROOK - MCDONOUGH BROOK - WATSON BROOK	CHATHAM	12.528	MILES							Review OneStop GIS
2020/2022	NHRIV600020401-07	UNNAMED BROOK - LANGDON BROOK	CHATHAM	15.166	MILES							Review OneStop GIS
2020/2022	NHRIV600020401-08	PROVINCE BROOK	CHATHAM	5.538	MILES							Review OneStop GIS
2020/2022	NHRIV600020401-09	WEEKS BROOK - MIDDLE BROOK - UNNAMED BROOK	CHATHAM	14.546	MILES							Review OneStop GIS
2020/2022	NHRIV600020401-10	ANDERSON BROOK - UNNAMED BROOK	CHATHAM	3.437	MILES							Review OneStop GIS
2020/2022	NHRIV600020401-11	PROVINCE BROOK	CHATHAM	0.948	MILES							ORW
2020/2022	NHRIV600020401-13	UNNAMED BROOK	CHATHAM	0.545	MILES							ORW
2020/2022	NHRIV600020401-14	UNNAMED BROOK	CHATHAM	0.715	MILES							ORW
2020/2022	NHRIV600020401-15	MAD RIVER	BEANS PURCHASE	0.290	MILES							ORW
2020/2022	NHRIV600020401-16	MIDDLE BRANCH MAD RIVER	BEANS PURCHASE	0.607	MILES							ORW
2020/2022	NHRIV600020401-17	SOUTH BRANCH MAD RIVER	BEANS PURCHASE	0.809	MILES							ORW
2020/2022	NHRIV600020401-18	BASIN BROOK - UNNAMED BROOK	CHATHAM	1.356	MILES							Review OneStop GIS
2020/2022	NHRIV600020601-01	BEARCAMP RIVER	SANDWICH	9.712	MILES							Review OneStop GIS
2020/2022	NHRIV600020601-03	BEARCAMP RIVER - UNNAMED BROOK	SANDWICH	7.914	MILES							Review OneStop GIS
2020/2022	NHRIV600020601-04	BEARCAMP RIVER	SANDWICH	3.865	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV600020601-05	TRIBUTARY TO BEARCAMP RIVER	SANDWICH	1.657	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV600020601-09	BEARCAMP RIVER - MEADOW BROOK - UNNAMED BROOK	SANDWICH, TAMWORTH	9.579	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV600020602-01	COLD RIVER	SANDWICH	11.978	MILES							Review OneStop GIS

2020/2022	NHRIV600020602-02	UNNAMED BROOK - FLAT MOUNTAIN PONDS	WATERVILLE VALLEY	2.631	MILES							ORW
2020/2022	NHRIV600020602-03	POND BROOK - UNNAMED BROOK	SANDWICH, WATERVILLE VALLEY	9.309	MILES							Review OneStop GIS
2020/2022	NHRIV600020602-05	UNNAMED BROOK - WHITEFACE RIVER - EAST BRANCH WHITEFACE RIVER	WATERVILLE VALLEY, SANDWICH	7.349	MILES							Review OneStop GIS
2020/2022	NHRIV600020602-06	WHITEFACE RIVER - WHITE BROOK	SANDWICH, WATERVILLE VALLEY	9.107	MILES							Review OneStop GIS
2020/2022	NHRIV600020602-08	COLD RIVER	SANDWICH	5.707	MILES	Aquatic Life Integrity	Fishes Bioassessments (Streams)	5-M				Non-ORW
2020/2022	NHRIV600020602-08	COLD RIVER	SANDWICH	5.707	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV600020603-01	WONALANCET RIVER	WATERVILLE VALLEY, SANDWICH	5.697	MILES							Review OneStop GIS
2020/2022	NHRIV600020603-02	WONALANCET RIVER	ALBANY, SANDWICH, TAMWORTH, WATERVILLE VALLEY	6.871	MILES							Review OneStop GIS
2020/2022	NHRIV600020603-05	PAUGUS BROOK - CLAYBANK BROOK	ALBANY	10.057	MILES							ORW
2020/2022	NHRIV600020603-06	WHITTIN BROOK - UNNAMED BROOK	ALBANY	2.850	MILES							ORW
2020/2022	NHRIV600020603-07	DURRELL BROOK	TAMWORTH, ALBANY	4.713	MILES							Review OneStop GIS
2020/2022	NHRIV600020603-08	MILL BROOK - HOAG BROOK	TAMWORTH, SANDWICH	13.882	MILES	Aquatic Life Integrity	pH	5-P				Non-ORW
2020/2022	NHRIV600020603-10	SANBORN BROOK	TAMWORTH, ALBANY	4.620	MILES							Review OneStop GIS
2020/2022	NHRIV600020603-11	PAUGUS BROOK	TAMWORTH, ALBANY	1.389	MILES							Review OneStop GIS
2020/2022	NHRIV600020603-12	SWIFT RIVER	TAMWORTH	10.969	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV600020604-01	CHOCORUA RIVER	ALBANY, TAMWORTH	9.347	MILES							Review OneStop GIS
2020/2022	NHRIV600020604-02	CHOCORUA RIVER	ALBANY, TAMWORTH	5.248	MILES							Review OneStop GIS
2020/2022	NHRIV600020604-06	CHOCORUA RIVER	TAMWORTH, OSSIPEE	5.739	MILES	Aquatic Life Integrity	Benthic-Macroinvertebrate Bioassessments (Streams)	5-P				Non-ORW
2020/2022	NHRIV600020604-06	CHOCORUA RIVER	TAMWORTH, OSSIPEE	5.739	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV600020605-08	BEARCAMP RIVER	TAMWORTH, SANDWICH	3.080	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV600020605-11	BEARCAMP RIVER	TAMWORTH, OSSIPEE	5.111	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV600020605-13	BEARCAMP RIVER - CHOCORUA RIVER	OSSIPEE	5.037	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV600020701-01	BEECH RIVER	WOLFEBORO, TUFTONBORO	0.797	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV600020701-06	BEECH RIVER	OSSIPEE	7.350	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV600020702-02	DAN HOLE RIVER	OSSIPEE, TUFTONBORO	5.684	MILES	Aquatic Life Integrity	Fishes Bioassessments (Streams)	5-P				Non-ORW
2020/2022	NHRIV600020702-02	DAN HOLE RIVER	OSSIPEE, TUFTONBORO	5.684	MILES	Primary Contact Recreation	Escherichia coli	4A-P	9/21/2010	NEW HAMPSHIRE STATEWIDE BACTERIA	39269	Non-ORW
2020/2022	NHRIV600020703-01	JAMES YOUNG BROOK - TO PINE RIVER POND	WOLFEBORO, BROOKFIELD, WAKEFIELD	7.018	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV600020703-02	MEADOW BROOK TO PINE RIVER POND	WAKEFIELD, OSSIPEE	2.205	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV600020703-05	POLAND BROOK	OSSIPEE, WOLFEBORO	7.389	MILES	Aquatic Life Integrity	Benthic-Macroinvertebrate Bioassessments (Streams)	5-P				Non-ORW
2020/2022	NHRIV600020703-06	FRENCHMAN BROOK	OSSIPEE	1.036	MILES	Aquatic Life Integrity	pH	5-P				Non-ORW
2020/2022	NHRIV600020703-07	FRENCHMAN BROOK	OSSIPEE	0.599	MILES	Aquatic Life Integrity	pH	5-P				Non-ORW
2020/2022	NHRIV600020703-08	FRENCHMAN BROOK - UNNAMED BROOK	OSSIPEE	1.869	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV600020703-12	PINE RIVER - WILKINSON BROOK	EFFINGHAM, OSSIPEE	7.598	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV600020703-13	PINE RIVER - UNNAMED BROOK	OSSIPEE, EFFINGHAM	2.082	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV600020801-02	FORREST BROOK - FROST BROOK - UNNAMED BROOK	MADISON	11.474	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV600020801-05	WEST BRANCH	OSSIPEE, FREEDOM, MADISON	5.946	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV600020801-06	FERRIS BROOK	MADISON	0.104	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV600020802-04	LOVELL RIVER	OSSIPEE	9.119	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV600020802-05	RED BROOK	EFFINGHAM, OSSIPEE	2.729	MILES	Aquatic Life Integrity	Dissolved oxygen saturation	5-M				Non-ORW
2020/2022	NHRIV600020802-05	RED BROOK	EFFINGHAM, OSSIPEE	2.729	MILES	Aquatic Life Integrity	Oxygen, Dissolved	5-P				Non-ORW
2020/2022	NHRIV600020802-05	RED BROOK	EFFINGHAM, OSSIPEE	2.729	MILES	Aquatic Life Integrity	pH	5-P				Non-ORW
2020/2022	NHRIV600020802-07	WEETAMOE BROOK	OSSIPEE	1.200	MILES	Aquatic Life Integrity	Dissolved oxygen saturation	5-M				Non-ORW
2020/2022	NHRIV600020802-07	WEETAMOE BROOK	OSSIPEE	1.200	MILES	Aquatic Life Integrity	Oxygen, Dissolved	5-P				Non-ORW
2020/2022	NHRIV600020802-07	WEETAMOE BROOK	OSSIPEE	1.200	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV600020802-10	PATCH POINT POND RIVER - TO OSSIPEE LAKE	OSSIPEE	0.717	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV600020803-04	UNNAMED BROOK - FROM LONG POND TO PURITY LAKE	EATON	0.195	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV600020803-07	STONY BROOK	FREEDOM	0.475	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV600020804-01	COLD BROOK	FREEDOM	3.089	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV600020804-02	STONY BROOK	FREEDOM	0.207	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV600020804-03	PHILLIPS BROOK	EFFINGHAM, OSSIPEE	0.913	MILES	Aquatic Life Integrity	Dissolved oxygen saturation	5-M				Non-ORW
2020/2022	NHRIV600020804-03	PHILLIPS BROOK	EFFINGHAM, OSSIPEE	0.913	MILES	Aquatic Life Integrity	Oxygen, Dissolved	5-P				Non-ORW
2020/2022	NHRIV600020804-03	PHILLIPS BROOK	EFFINGHAM, OSSIPEE	0.913	MILES	Aquatic Life Integrity	pH	5-P				Non-ORW
2020/2022	NHRIV600020804-04	LEAVITT BROOK	EFFINGHAM	3.440	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV600020804-05	SQUARE BROOK	FREEDOM	3.553	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV600020901-04	COLD BROOK	FREEDOM	0.568	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV600020901-10	OSSIPEE RIVER	FREEDOM, EFFINGHAM	4.864	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV600020902-01	HOBBS BROOK	EFFINGHAM	1.328	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV600020902-05	PROVINCE LAKE-RTE 153 INLET	WAKEFIELD	0.179	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV600020902-06	PROVINCE LAKE-ISLAND INLET	WAKEFIELD	0.509	MILES	Aquatic Life Integrity	Oxygen, Dissolved	5-P				Non-ORW
2020/2022	NHRIV600020902-06	PROVINCE LAKE-ISLAND INLET	WAKEFIELD	0.509	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV600020902-07	SOUTH RIVER - TO PROVINCE LAKE	EFFINGHAM	1.720	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV600020902-07	SOUTH RIVER - TO PROVINCE LAKE	EFFINGHAM	1.720	MILES	Primary Contact Recreation	Escherichia coli	4A-M	9/30/2013	44 Bacteria Impaired Waters	55221	Non-ORW
2020/2022	NHRIV600030401-02	PIKE BROOK	BROOKFIELD, WAKEFIELD	8.557	MILES	Aquatic Life Integrity	Dissolved oxygen saturation	5-P				Non-ORW
2020/2022	NHRIV600030401-02	PIKE BROOK	BROOKFIELD, WAKEFIELD	8.557	MILES	Aquatic Life Integrity	Oxygen, Dissolved	5-P				Non-ORW
2020/2022	NHRIV600030401-02	PIKE BROOK	BROOKFIELD, WAKEFIELD	8.557	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV600030401-02	PIKE BROOK	BROOKFIELD, WAKEFIELD	8.557	MILES	Primary Contact Recreation	Escherichia coli	4A-P	9/21/2010	NEW HAMPSHIRE STATEWIDE BACTERIA	39273	Non-ORW
2020/2022	NHRIV600030401-08	BRANCH RIVER	WAKEFIELD, BROOKFIELD	10.569	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV600030401-08	BRANCH RIVER	WAKEFIELD, BROOKFIELD	10.569	MILES	Primary Contact Recreation	Escherichia coli	4A-M	9/21/2010	NEW HAMPSHIRE STATEWIDE BACTERIA	39273	Non-ORW
2020/2022	NHRIV600030401-10	UNNAMED BROOK - TO BRACKETT POND	WAKEFIELD	0.564	MILES	Aquatic Life Integrity	Oxygen, Dissolved	5-M				Non-ORW
2020/2022	NHRIV600030401-10	UNNAMED BROOK - TO BRACKETT POND	WAKEFIELD	0.564	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV600030402-04	JONES BROOK - HART BROOK	MILTON, MIDDLETON	16.413	MILES	Primary Contact Recreation	Escherichia coli	4A-M	9/30/2013	44 Bacteria Impaired Waters	55221	Non-ORW
2020/2022	NHRIV600030402-06	BRANCH RIVER	MILTON, WAKEFIELD	4.282	MILES	Aquatic Life Integrity	Oxygen, Dissolved	5-M				Non-ORW
2020/2022	NHRIV600030402-06	BRANCH RIVER	MILTON, WAKEFIELD	4.282	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV600030404-04	MILLER BROOK	MILTON, WAKEFIELD	6.372	MILES	Aquatic Life Integrity	pH	5-P				Non-ORW
2020/2022	NHRIV600030405-09	SALMON FALLS RIVER	ROCHESTER	6.760	MILES	Aquatic Life Integrity	Benthic-Macroinvertebrate Bioassessments (Streams)	5-P				Non-ORW
2020/2022	NHRIV600030405-09	SALMON FALLS RIVER	ROCHESTER	6.760	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV600030405-14	SALMON FALLS RIVER - UNNAMED BROOK	ROCHESTER, SOMERSWORTH	3.410	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV600030405-14	SALMON FALLS RIVER - UNNAMED BROOK	ROCHESTER, SOMERSWORTH	3.410	MILES	Primary Contact Recreation	Escherichia coli	4A-M	9/21/2010	NEW HAMPSHIRE STATEWIDE BACTERIA	39272	Non-ORW
2020/2022	NHRIV600030406-02	SALMON FALLS RIVER	SOMERSWORTH	0.272	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV600030406-03	SALMON FALLS RIVER	SOMERSWORTH, ROLLINSFORD	0.380	MILES	Aquatic Life Integrity	Dissolved oxygen saturation	5-M				Non-ORW
2020/2022	NHRIV600030406-03	SALMON FALLS RIVER	SOMERSWORTH, ROLLINSFORD	0.380	MILES	Aquatic Life Integrity	Oxygen, Dissolved	2-M	11/22/1999	SALMON FALLS	11114	Non-ORW
2020/2022	NHRIV600030406-03	SALMON FALLS RIVER	SOMERSWORTH, ROLLINSFORD	0.380	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV600030406-03	SALMON FALLS RIVER	SOMERSWORTH, ROLLINSFORD	0.380	MILES	Primary Contact Recreation	Escherichia coli	4A-M	9/21/2010	NEW HAMPSHIRE STATEWIDE BACTERIA	39272	Non-ORW
2020/2022	NHRIV600030406-04	SALMON FALLS RIVER	ROLLINSFORD	0.144	MILES	Aquatic Life Integrity	Oxygen, Dissolved	4A-M	11/22/1999	SALMON FALLS	1030	Non-ORW

2020/2022	NHRIV600030601-02	COCHECO RIVER - ELA RIVER - UNNAMED BROOK	NEW DURHAM, FARMINGTON	19.026	MILES	Primary Contact Recreation	Escherichia coli	3-ND	9/21/2010	NEW HAMPSHIRE STATEWIDE BACTERIA	39273	Review OneStop GIS
2020/2022	NHRIV600030601-03	HAMPSHIRE BROOK	MIDDLETON, NEW DURHAM	2.698	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV600030601-05	COCHECO RIVER	NEW DURHAM, FARMINGTON, MIDDLETON	4.741	MILES							ORW
2020/2022	NHRIV600030601-07	DAMES BROOK	MILTON, FARMINGTON, MIDDLETON	9.868	MILES	Aquatic Life Integrity	Dissolved oxygen saturation	5-M				Non-ORW
2020/2022	NHRIV600030601-07	DAMES BROOK	MILTON, FARMINGTON, MIDDLETON	9.868	MILES	Aquatic Life Integrity	Oxygen, Dissolved	5-M				Non-ORW
2020/2022	NHRIV600030601-07	DAMES BROOK	MILTON, FARMINGTON, MIDDLETON	9.868	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV600030601-07	DAMES BROOK	MILTON, FARMINGTON, MIDDLETON	9.868	MILES	Primary Contact Recreation	Escherichia coli	4A-M	9/21/2010	NEW HAMPSHIRE STATEWIDE BACTERIA	39272	Non-ORW
2020/2022	NHRIV600030601-08	MAD RIVER	FARMINGTON, NEW DURHAM	17.654	MILES	Aquatic Life Integrity	Benthic-Macroinvertebrate Bioassessments (Streams)	5-M				Non-ORW
2020/2022	NHRIV600030601-08	MAD RIVER	FARMINGTON, NEW DURHAM	17.654	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV600030601-08	MAD RIVER	FARMINGTON, NEW DURHAM	17.654	MILES	Primary Contact Recreation	Escherichia coli	4A-M	8/29/2011	58 NH BACTERIA IMPAIRED WATERS	40661	Non-ORW
2020/2022	NHRIV600030601-09	COCHECO RIVER	FARMINGTON	0.739	MILES	Aquatic Life Integrity	Aluminum	5-M				Non-ORW
2020/2022	NHRIV600030601-09	COCHECO RIVER	FARMINGTON	0.739	MILES	Aquatic Life Integrity	Lead	5-M				Non-ORW
2020/2022	NHRIV600030601-09	COCHECO RIVER	FARMINGTON	0.739	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV600030601-09	COCHECO RIVER	FARMINGTON	0.739	MILES	Primary Contact Recreation	Escherichia coli	4A-M	9/21/2010	NEW HAMPSHIRE STATEWIDE BACTERIA	39272	Non-ORW
2020/2022	NHRIV600030601-11	TANGLEWOOD BROOK	MIDDLETON, NEW DURHAM	3.449	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV600030601-12	COCHECO RIVER	NEW DURHAM	0.352	MILES							ORW
2020/2022	NHRIV600030601-17	HAYES BROOK - UNNAMED BROOK	NEW DURHAM	9.310	MILES							ORW
2020/2022	NHRIV600030601-18	UNNAMED BROOK	NEW DURHAM	0.074	MILES							ORW
2020/2022	NHRIV600030601-19	CURRIER POND OUTLET BROOK	MIDDLETON, NEW DURHAM	0.615	MILES							Review OneStop GIS
2020/2022	NHRIV600030601-20	UNNAMED BROOK	NEW DURHAM, FARMINGTON	2.154	MILES							ORW
2020/2022	NHRIV600030601-21	UNNAMED BROOK	FARMINGTON	0.380	MILES							ORW
2020/2022	NHRIV600030601-22	UNNAMED BROOK	FARMINGTON, NEW DURHAM	0.970	MILES							ORW
2020/2022	NHRIV600030601-23	UNNAMED BROOK	NEW DURHAM	1.361	MILES							ORW
2020/2022	NHRIV600030602-03	AXE HANDLE BROOK - HOWARD BROOK	ROCHESTER	8.817	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV600030603-01	COCHECO RIVER	FARMINGTON, ROCHESTER	5.426	MILES	Aquatic Life Integrity	Aluminum	5-M				Non-ORW
2020/2022	NHRIV600030603-01	COCHECO RIVER	FARMINGTON, ROCHESTER	5.426	MILES	Aquatic Life Integrity	Dissolved oxygen saturation	5-P				Non-ORW
2020/2022	NHRIV600030603-01	COCHECO RIVER	FARMINGTON, ROCHESTER	5.426	MILES	Aquatic Life Integrity	Iron	5-M				Non-ORW
2020/2022	NHRIV600030603-01	COCHECO RIVER	FARMINGTON, ROCHESTER	5.426	MILES	Aquatic Life Integrity	Lead	5-M				Non-ORW
2020/2022	NHRIV600030603-01	COCHECO RIVER	FARMINGTON, ROCHESTER	5.426	MILES	Aquatic Life Integrity	Oxygen, Dissolved	5-M				Non-ORW
2020/2022	NHRIV600030603-01	COCHECO RIVER	FARMINGTON, ROCHESTER	5.426	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV600030603-01	COCHECO RIVER	FARMINGTON, ROCHESTER	5.426	MILES	Primary Contact Recreation	Escherichia coli	4A-M	9/21/2010	NEW HAMPSHIRE STATEWIDE BACTERIA	39272	Non-ORW
2020/2022	NHRIV600030603-02	POKAMOONSHINE BROOK	FARMINGTON	2.556	MILES	Aquatic Life Integrity	Aluminum	5-M				Non-ORW
2020/2022	NHRIV600030603-02	POKAMOONSHINE BROOK	FARMINGTON	2.556	MILES	Aquatic Life Integrity	Dissolved oxygen saturation	5-M				Non-ORW
2020/2022	NHRIV600030603-02	POKAMOONSHINE BROOK	FARMINGTON	2.556	MILES	Aquatic Life Integrity	Lead	5-M				Non-ORW
2020/2022	NHRIV600030603-02	POKAMOONSHINE BROOK	FARMINGTON	2.556	MILES	Aquatic Life Integrity	Oxygen, Dissolved	5-P				Non-ORW
2020/2022	NHRIV600030603-02	POKAMOONSHINE BROOK	FARMINGTON	2.556	MILES	Aquatic Life Integrity	pH	5-P				Non-ORW
2020/2022	NHRIV600030603-02	POKAMOONSHINE BROOK	FARMINGTON	2.556	MILES	Primary Contact Recreation	Escherichia coli	4A-M	9/21/2010	NEW HAMPSHIRE STATEWIDE BACTERIA	39272	Non-ORW
2020/2022	NHRIV600030603-04	RATTLESNAKE RIVER	FARMINGTON	4.672	MILES	Aquatic Life Integrity	Aluminum	5-M				Non-ORW
2020/2022	NHRIV600030603-04	RATTLESNAKE RIVER	FARMINGTON	4.672	MILES	Aquatic Life Integrity	Lead	5-M				Non-ORW
2020/2022	NHRIV600030603-04	RATTLESNAKE RIVER	FARMINGTON	4.672	MILES	Aquatic Life Integrity	pH	5-P				Non-ORW
2020/2022	NHRIV600030603-06	COCHECO RIVER	ROCHESTER	3.482	MILES	Aquatic Life Integrity	Aluminum	5-M				Non-ORW
2020/2022	NHRIV600030603-06	COCHECO RIVER	ROCHESTER	3.482	MILES	Aquatic Life Integrity	Lead	5-M				Non-ORW
2020/2022	NHRIV600030603-06	COCHECO RIVER	ROCHESTER	3.482	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV600030603-06	COCHECO RIVER	ROCHESTER	3.482	MILES	Primary Contact Recreation	Escherichia coli	4A-M	9/21/2010	NEW HAMPSHIRE STATEWIDE BACTERIA	39272	Non-ORW
2020/2022	NHRIV600030603-08	COCHECO RIVER	ROCHESTER	2.428	MILES	Aquatic Life Integrity	Benthic-Macroinvertebrate Bioassessments (Streams)	5-M				Non-ORW
2020/2022	NHRIV600030603-08	COCHECO RIVER	ROCHESTER	2.428	MILES	Aquatic Life Integrity	Habitat Assessment (Streams)	4C-P				Non-ORW
2020/2022	NHRIV600030603-08	COCHECO RIVER	ROCHESTER	2.428	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV600030603-08	COCHECO RIVER	ROCHESTER	2.428	MILES	Primary Contact Recreation	Escherichia coli	4A-P	9/21/2010	NEW HAMPSHIRE STATEWIDE BACTERIA	39272	Non-ORW
2020/2022	NHRIV600030603-10	WILLOW BROOK	ROCHESTER	7.347	MILES	Aquatic Life Integrity	Benthic-Macroinvertebrate Bioassessments (Streams)	5-P				Non-ORW
2020/2022	NHRIV600030603-10	WILLOW BROOK	ROCHESTER	7.347	MILES	Aquatic Life Integrity	Dissolved oxygen saturation	5-P				Non-ORW
2020/2022	NHRIV600030603-10	WILLOW BROOK	ROCHESTER	7.347	MILES	Aquatic Life Integrity	Oxygen, Dissolved	5-P				Non-ORW
2020/2022	NHRIV600030603-10	WILLOW BROOK	ROCHESTER	7.347	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV600030603-10	WILLOW BROOK	ROCHESTER	7.347	MILES	Primary Contact Recreation	Escherichia coli	4A-P	9/21/2010	NEW HAMPSHIRE STATEWIDE BACTERIA	39272	Non-ORW
2020/2022	NHRIV600030603-11	HURD BROOK	ROCHESTER	1.621	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV600030604-01	UNNAMED BROOKS - TO BOW LAKE	STRAFFORD	4.812	MILES							ORW
2020/2022	NHRIV600030604-02	UNNAMED BROOK - TO BOW LAKE	STRAFFORD	1.323	MILES							ORW
2020/2022	NHRIV600030604-03	UNNAMED BROOK - TO BOW LAKE	STRAFFORD	0.873	MILES							ORW
2020/2022	NHRIV600030604-04	SHERBOURNE BROOK	NORTHWOOD	2.885	MILES							ORW
2020/2022	NHRIV600030604-05	SHERBURNE BROOK - UNNAMED BROOK	NORTHWOOD	0.823	MILES							ORW
2020/2022	NHRIV600030604-06	SHERBURNE BROOK	NORTHWOOD	1.357	MILES							ORW
2020/2022	NHRIV600030604-07	UNNAMED BROOK - Â FROM PINE ROCK FARM POND TO BOW LAKE	STRAFFORD	0.643	MILES							ORW
2020/2022	NHRIV600030604-08	UNNAMED BROOK - TO BOW LAKE	STRAFFORD	0.982	MILES							ORW
2020/2022	NHRIV600030604-09	UNNAMED BROOK	NORTHWOOD	0.479	MILES							ORW
2020/2022	NHRIV600030604-10	UNNAMED BROOK	STRAFFORD	0.609	MILES							ORW
2020/2022	NHRIV600030604-11	UNNAMED BROOK	NORTHWOOD	0.168	MILES							ORW
2020/2022	NHRIV600030604-12	UNNAMED BROOK	STRAFFORD	0.070	MILES							ORW
2020/2022	NHRIV600030604-13	UNNAMED BROOK	STRAFFORD	0.086	MILES							ORW
2020/2022	NHRIV600030604-14	UNNAMED BROOK	NORTHWOOD, STRAFFORD	1.276	MILES							ORW
2020/2022	NHRIV600030604-15	UNNAMED BROOK	NORTHWOOD	0.630	MILES							ORW
2020/2022	NHRIV600030604-16	UNNAMED BROOK	NORTHWOOD	2.178	MILES							ORW
2020/2022	NHRIV600030604-17	UNNAMED BROOK	STRAFFORD	0.388	MILES							ORW
2020/2022	NHRIV600030605-01	UNNAMED BROOKS - TO UNNAMED POND	STRAFFORD	3.474	MILES							ORW
2020/2022	NHRIV600030605-03	UNNAMED BROOK - TO UNNAMED POND	STRAFFORD	1.467	MILES							ORW
2020/2022	NHRIV600030605-04	UNNAMED BROOK - TO WILDLIFE POND	STRAFFORD	0.310	MILES							ORW
2020/2022	NHRIV600030605-05	MOHAWK BROOK	STRAFFORD, BARRINGTON	10.233	MILES							ORW
2020/2022	NHRIV600030605-06	UNNAMED BROOK - TO UNNAMED POND	STRAFFORD	0.750	MILES							ORW
2020/2022	NHRIV600030605-07	UNNAMED BROOK - TO HUCKINS MILL POND	STRAFFORD	0.511	MILES							ORW
2020/2022	NHRIV600030605-08	UNNAMED BROOK - FROM HUCKINS MILL POND TO WILDLIFE POND	STRAFFORD	0.469	MILES							ORW
2020/2022	NHRIV600030605-09	PENNY BROOK	STRAFFORD	1.912	MILES							ORW
2020/2022	NHRIV600030605-10	ISINGLASS RIVER	STRAFFORD	0.459	MILES							ORW
2020/2022	NHRIV600030605-11	ISINGLASS RIVER	STRAFFORD, BARRINGTON	4.467	MILES							ORW
2020/2022	NHRIV600030605-12	UNNAMED BROOK - TO ISINGLASS RIVER	STRAFFORD	2.183	MILES							ORW
2020/2022	NHRIV600030605-13	UNNAMED BROOK - TO ISINGLASS RIVER	STRAFFORD	0.729	MILES							ORW

2020/2022	NHRIV600030605-14	STONEHOUSE BROOK - HALL BROOK	BARRINGTON, NORTHWOOD, STRAFFORD	7.020	MILES							ORW
2020/2022	NHRIV600030605-15	NIPPO BROOK	BARRINGTON, STRAFFORD	12.125	MILES							ORW
2020/2022	NHRIV600030605-16	ISINGLASS RIVER	STRAFFORD, BARRINGTON	0.778	MILES	Primary Contact Recreation	Escherichia coli	4A-M	9/21/2010	NEW HAMPSHIRE STATEWIDE BACTERIA	39273	Review OneStop GIS
2020/2022	NHRIV600030605-17	UNNAMED BROOK	STRAFFORD	1.609	MILES							ORW
2020/2022	NHRIV600030605-18	UNNAMED BROOK	STRAFFORD	0.865	MILES							ORW
2020/2022	NHRIV600030605-19	UNNAMED BROOK	STRAFFORD	0.359	MILES							ORW
2020/2022	NHRIV600030605-20	UNNAMED BROOK	STRAFFORD	0.460	MILES							ORW
2020/2022	NHRIV600030606-03	BERRYS RIVER	STRAFFORD, FARMINGTON, ROCHESTER	5.200	MILES	Aquatic Life Integrity	pH	5-P				Non-ORW
2020/2022	NHRIV600030606-04	BERRYS RIVER - UNNAMED BROOK	STRAFFORD, BARRINGTON	5.705	MILES	Aquatic Life Integrity	Low flow alterations	4C-P				Non-ORW
2020/2022	NHRIV600030606-04	BERRYS RIVER - UNNAMED BROOK	STRAFFORD, BARRINGTON	5.705	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV600030606-06	BERRY RIVER - FROM LONG POND TO ISINGLASS RIVER	BARRINGTON	0.107	MILES	Aquatic Life Integrity	Dissolved oxygen saturation	5-M				Non-ORW
2020/2022	NHRIV600030606-06	BERRY RIVER - FROM LONG POND TO ISINGLASS RIVER	BARRINGTON	0.107	MILES	Aquatic Life Integrity	Oxygen, Dissolved	5-M				Non-ORW
2020/2022	NHRIV600030606-06	BERRY RIVER - FROM LONG POND TO ISINGLASS RIVER	BARRINGTON	0.107	MILES	Aquatic Life Integrity	pH	5-P				Non-ORW
2020/2022	NHRIV600030606-07	BERRYS RIVER	BARRINGTON	1.260	MILES	Aquatic Life Integrity	pH	5-P				Non-ORW
2020/2022	NHRIV600030607-01	ISINGLASS RIVER	BARRINGTON, ROCHESTER	7.336	MILES	Aquatic Life Integrity	Benthic-Macroinvertebrate Bioassessments (Streams)	5-M				Non-ORW
2020/2022	NHRIV600030607-01	ISINGLASS RIVER	BARRINGTON, ROCHESTER	7.336	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV600030607-03	AYERS POND BROOK	BARRINGTON	0.128	MILES	Aquatic Life Integrity	Oxygen, Dissolved	5-M				Non-ORW
2020/2022	NHRIV600030607-03	AYERS POND BROOK	BARRINGTON	0.128	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV600030607-04	AYERS POND BROOK	BARRINGTON	1.691	MILES	Aquatic Life Integrity	Oxygen, Dissolved	5-M				Non-ORW
2020/2022	NHRIV600030607-04	AYERS POND BROOK	BARRINGTON	1.691	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV600030607-08	HANSON BROOK	ROCHESTER, BARRINGTON	2.411	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV600030607-09	GREEN HILL BROOK	BARRINGTON	3.224	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV600030607-10	ISINGLASS RIVER	ROCHESTER, BARRINGTON	3.796	MILES	Aquatic Life Integrity	Dissolved oxygen saturation	5-M				Non-ORW
2020/2022	NHRIV600030607-10	ISINGLASS RIVER	ROCHESTER, BARRINGTON	3.796	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV600030607-10	ISINGLASS RIVER	ROCHESTER, BARRINGTON	3.796	MILES	Primary Contact Recreation	Escherichia coli	4A-M	8/29/2011	58 NH BACTERIA IMPAIRED WATERS	40663	Non-ORW
2020/2022	NHRIV600030607-15	COCHECO RIVER	ROCHESTER	4.414	MILES	Aquatic Life Integrity	Iron	5-M				Non-ORW
2020/2022	NHRIV600030607-15	COCHECO RIVER	ROCHESTER	4.414	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV600030607-16	SCRUTON POND OUTLET BROOK	BARRINGTON	0.071	MILES	Aquatic Life Integrity	Dissolved oxygen saturation	5-M				Non-ORW
2020/2022	NHRIV600030607-16	SCRUTON POND OUTLET BROOK	BARRINGTON	0.071	MILES	Aquatic Life Integrity	Oxygen, Dissolved	5-P				Non-ORW
2020/2022	NHRIV600030607-16	SCRUTON POND OUTLET BROOK	BARRINGTON	0.071	MILES	Aquatic Life Integrity	pH	5-P				Non-ORW
2020/2022	NHRIV600030608-02	BLACKWATER BROOK-CLARK BROOK	ROCHESTER, DOVER, SOMERSWORTH	15.228	MILES	Primary Contact Recreation	Escherichia coli	4A-P	9/21/2010	NEW HAMPSHIRE STATEWIDE BACTERIA	39272	Non-ORW
2020/2022	NHRIV600030608-03	COCHECO RIVER - UNNAMED BROOK	DOVER, ROCHESTER	3.267	MILES	Aquatic Life Integrity	Dissolved oxygen saturation	5-M				Non-ORW
2020/2022	NHRIV600030608-03	COCHECO RIVER - UNNAMED BROOK	DOVER, ROCHESTER	3.267	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV600030608-03	COCHECO RIVER - UNNAMED BROOK	DOVER, ROCHESTER	3.267	MILES	Primary Contact Recreation	Escherichia coli	4A-M	9/21/2010	NEW HAMPSHIRE STATEWIDE BACTERIA	39272	Non-ORW
2020/2022	NHRIV600030608-04	REYNERS BROOK	DOVER	1.770	MILES	Primary Contact Recreation	Escherichia coli	4A-P	9/21/2010	NEW HAMPSHIRE STATEWIDE BACTERIA	39272	Non-ORW
2020/2022	NHRIV600030608-05	COCHECO RIVER	DOVER	2.060	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV600030608-05	COCHECO RIVER	DOVER	2.060	MILES	Primary Contact Recreation	Escherichia coli	4A-M	9/21/2010	NEW HAMPSHIRE STATEWIDE BACTERIA	39272	Non-ORW
2020/2022	NHRIV600030608-06	INDIAN BROOK	DOVER	1.106	MILES	Aquatic Life Integrity	Chloride	5-P				Non-ORW
2020/2022	NHRIV600030608-06	INDIAN BROOK	DOVER	1.106	MILES	Primary Contact Recreation	Escherichia coli	4A-P	9/21/2010	NEW HAMPSHIRE STATEWIDE BACTERIA	39272	Non-ORW
2020/2022	NHRIV600030608-08	FRESH CREEK - TWOMBLY BROOK	ROLLINSFORD, SOMERSWORTH	4.983	MILES	Aquatic Life Integrity	Dissolved oxygen saturation	5-M				Non-ORW
2020/2022	NHRIV600030608-08	FRESH CREEK - TWOMBLY BROOK	ROLLINSFORD, SOMERSWORTH	4.983	MILES	Aquatic Life Integrity	Oxygen, Dissolved	5-P				Non-ORW
2020/2022	NHRIV600030608-08	FRESH CREEK - TWOMBLY BROOK	ROLLINSFORD, SOMERSWORTH	4.983	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV600030608-08	FRESH CREEK - TWOMBLY BROOK	ROLLINSFORD, SOMERSWORTH	4.983	MILES	Primary Contact Recreation	Escherichia coli	4A-M	9/21/2010	NEW HAMPSHIRE STATEWIDE BACTERIA	39272	Non-ORW
2020/2022	NHRIV600030608-10	ROLLINS BROOK	ROLLINSFORD	2.856	MILES	Aquatic Life Integrity	Dissolved oxygen saturation	5-M				Non-ORW
2020/2022	NHRIV600030608-10	ROLLINS BROOK	ROLLINSFORD	2.856	MILES	Aquatic Life Integrity	Oxygen, Dissolved	5-P				Non-ORW
2020/2022	NHRIV600030608-10	ROLLINS BROOK	ROLLINSFORD	2.856	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV600030608-10	ROLLINS BROOK	ROLLINSFORD	2.856	MILES	Primary Contact Recreation	Escherichia coli	4A-P	9/21/2010	NEW HAMPSHIRE STATEWIDE BACTERIA	39272	Non-ORW
2020/2022	NHRIV600030608-11	FRESH CREEK	ROLLINSFORD, DOVER	1.126	MILES	Primary Contact Recreation	Escherichia coli	4A-P	9/21/2010	NEW HAMPSHIRE STATEWIDE BACTERIA	39272	Non-ORW
2020/2022	NHRIV600030608-14	UNNAMED TRIB. TO COCHECO RIVER, DOVER (FROM LANDFILL)	DOVER	0.169	MILES	Aquatic Life Integrity	Iron	5-M				Non-ORW
2020/2022	NHRIV600030608-15	BERRY BROOK	DOVER	1.106	MILES	Aquatic Life Integrity	Benthic-Macroinvertebrate Bioassessments (Streams)	5-M				Non-ORW
2020/2022	NHRIV600030608-15	BERRY BROOK	DOVER	1.106	MILES	Aquatic Life Integrity	Chloride	5-M				Non-ORW
2020/2022	NHRIV600030608-15	BERRY BROOK	DOVER	1.106	MILES	Primary Contact Recreation	Escherichia coli	4A-P	9/21/2010	NEW HAMPSHIRE STATEWIDE BACTERIA	39272	Non-ORW
2020/2022	NHRIV600030608-16	JACKSON BROOK	DOVER	0.724	MILES	Primary Contact Recreation	Escherichia coli	4A-P	9/21/2010	NEW HAMPSHIRE STATEWIDE BACTERIA	39272	Non-ORW
2020/2022	NHRIV600030701-01	LAMPREY RIVER - AND HEADWATER TRIBUTARIES	NORTHWOOD, DEERFIELD	13.652	MILES	Aquatic Life Integrity	Dissolved oxygen saturation	5-P				Non-ORW
2020/2022	NHRIV600030701-01	LAMPREY RIVER - AND HEADWATER TRIBUTARIES	NORTHWOOD, DEERFIELD	13.652	MILES	Aquatic Life Integrity	Oxygen, Dissolved	5-P				Non-ORW
2020/2022	NHRIV600030701-01	LAMPREY RIVER - AND HEADWATER TRIBUTARIES	NORTHWOOD, DEERFIELD	13.652	MILES	Aquatic Life Integrity	pH	5-P				Non-ORW
2020/2022	NHRIV600030701-08	HARTFORD BROOK	DEERFIELD	10.734	MILES	Aquatic Life Integrity	Aluminum	5-M				Non-ORW
2020/2022	NHRIV600030701-08	HARTFORD BROOK	DEERFIELD	10.734	MILES	Aquatic Life Integrity	Benthic-Macroinvertebrate Bioassessments (Streams)	5-P				Non-ORW
2020/2022	NHRIV600030701-08	HARTFORD BROOK	DEERFIELD	10.734	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV600030701-09	LAMPREY RIVER	DEERFIELD	7.767	MILES	Aquatic Life Integrity	Dissolved oxygen saturation	5-P				Non-ORW
2020/2022	NHRIV600030701-09	LAMPREY RIVER	DEERFIELD	7.767	MILES	Aquatic Life Integrity	Oxygen, Dissolved	5-P				Non-ORW
2020/2022	NHRIV600030701-09	LAMPREY RIVER	DEERFIELD	7.767	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV600030701-13	LAMPREY RIVER	DEERFIELD	0.041	MILES	Aquatic Life Integrity	Dissolved oxygen saturation	5-M				Non-ORW
2020/2022	NHRIV600030701-13	LAMPREY RIVER	DEERFIELD	0.041	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV600030701-14	LAMPREY RIVER	RAYMOND, DEERFIELD	6.776	MILES							Review OneStop GIS
2020/2022	NHRIV600030702-01	TR NORTH BRANCH RIVER - UNNAMED BROOKS	CANDIA	8.629	MILES							ORW
2020/2022	NHRIV600030702-02	UNNAMED BROOKS - TO NORTH BRANCH RIVER	CANDIA	3.680	MILES							ORW
2020/2022	NHRIV600030702-03	UNNAMED BROOK - FROM SPRUCE POND TO BEAVER POND	DEERFIELD	0.131	MILES							ORW
2020/2022	NHRIV600030702-05	NORTH BRANCH RIVER - UNNAMED BROOK	DEERFIELD, CANDIA	3.563	MILES							ORW
2020/2022	NHRIV600030702-06	NORTH BRANCH RIVER - UNNAMED BROOKS	DEERFIELD, CANDIA	5.185	MILES							ORW
2020/2022	NHRIV600030702-07	NORTH BRANCH RIVER - UNNAMED BROOKS	CANDIA, DEERFIELD	10.013	MILES							ORW
2020/2022	NHRIV600030702-08	UNNAMED BROOK - TO NORTH BRANCH RIVER	CANDIA, RAYMOND	1.171	MILES							ORW
2020/2022	NHRIV600030702-09	NORTH BRANCH RIVER	RAYMOND, CANDIA	0.974	MILES							Review OneStop GIS
2020/2022	NHRIV600030702-10	UNNAMED BROOK	CANDIA	1.071	MILES							ORW
2020/2022	NHRIV600030702-11	UNNAMED BROOK	CANDIA	0.839	MILES							ORW
2020/2022	NHRIV600030702-12	UNNAMED BROOK	DEERFIELD	0.590	MILES							ORW
2020/2022	NHRIV600030703-01	UNNAMED BROOK - TO ONWAY LAKE	RAYMOND, CANDIA	5.450	MILES	Aquatic Life Integrity	Benthic-Macroinvertebrate Bioassessments (Streams)	5-P				Non-ORW
2020/2022	NHRIV600030703-01	UNNAMED BROOK - TO ONWAY LAKE	RAYMOND, CANDIA	5.450	MILES	Aquatic Life Integrity	Habitat Assessment (Streams)	4C-M				Non-ORW
2020/2022	NHRIV600030703-01	UNNAMED BROOK - TO ONWAY LAKE	RAYMOND, CANDIA	5.450	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV600030703-04	DUDLEY BROOK - UNNAMED BROOK	RAYMOND, DEERFIELD, NOTTINGHAM	4.340	MILES	Aquatic Life Integrity	Dissolved oxygen saturation	5-M				Non-ORW
2020/2022	NHRIV600030703-04	DUDLEY BROOK - UNNAMED BROOK	RAYMOND, DEERFIELD, NOTTINGHAM	4.340	MILES	Aquatic Life Integrity	Lead	5-M				Non-ORW

2020/2022	NHRIV600030703-04	DUDLEY BROOK - UNNAMED BROOK	RAYMOND, DEERFIELD, NOTTINGHAM	4.340	MILES	Aquatic Life Integrity	Oxygen, Dissolved	5-P			Non-ORW
2020/2022	NHRIV600030703-04	DUDLEY BROOK - UNNAMED BROOK	RAYMOND, DEERFIELD, NOTTINGHAM	4.340	MILES	Aquatic Life Integrity	pH	5-M			Non-ORW
2020/2022	NHRIV600030703-05	LAMPREY RIVER	RAYMOND	2.647	MILES	Aquatic Life Integrity	pH	5-M			Non-ORW
2020/2022	NHRIV600030703-07-02	LAMPREY RIVER - CARROLL LAKE BEACH	RAYMOND	0.020	MILES	Primary Contact Recreation	Escherichia coli	4A-P	9/21/2010	NEW HAMPSHIRE STATEWIDE BACTERIA	39276	Non-ORW
2020/2022	NHRIV600030703-09	LAMPREY RIVER	RAYMOND	2.295	MILES	Aquatic Life Integrity	pH	5-M			Non-ORW
2020/2022	NHRIV600030703-10	LAMPREY RIVER	RAYMOND	0.558	MILES	Aquatic Life Integrity	pH	5-M			Non-ORW
2020/2022	NHRIV600030703-11	LAMPREY RIVER	EPPING, RAYMOND	3.270	MILES	Aquatic Life Integrity	Aluminum	5-M			Non-ORW
2020/2022	NHRIV600030703-11	LAMPREY RIVER	EPPING, RAYMOND	3.270	MILES	Aquatic Life Integrity	pH	5-M			Non-ORW
2020/2022	NHRIV600030703-14	PAWTUCKAWAY RIVER - UNNAMED BROOK	NOTTINGHAM, EPPING, RAYMOND	6.751	MILES	Aquatic Life Integrity	Dissolved oxygen saturation	5-P			Non-ORW
2020/2022	NHRIV600030703-14	PAWTUCKAWAY RIVER - UNNAMED BROOK	NOTTINGHAM, EPPING, RAYMOND	6.751	MILES	Aquatic Life Integrity	Oxygen, Dissolved	5-P			Non-ORW
2020/2022	NHRIV600030703-14	PAWTUCKAWAY RIVER - UNNAMED BROOK	NOTTINGHAM, EPPING, RAYMOND	6.751	MILES	Aquatic Life Integrity	pH	5-M			Non-ORW
2020/2022	NHRIV600030703-15	LAMPREY RIVER	EPPING	4.692	MILES	Aquatic Life Integrity	Dissolved oxygen saturation	5-M			Non-ORW
2020/2022	NHRIV600030703-15	LAMPREY RIVER	EPPING	4.692	MILES	Aquatic Life Integrity	Oxygen, Dissolved	5-P			Non-ORW
2020/2022	NHRIV600030703-15	LAMPREY RIVER	EPPING	4.692	MILES	Aquatic Life Integrity	pH	5-M			Non-ORW
2020/2022	NHRIV600030703-15	LAMPREY RIVER	EPPING	4.692	MILES	Primary Contact Recreation	Escherichia coli	4A-P	9/21/2010	NEW HAMPSHIRE STATEWIDE BACTERIA	39272	Non-ORW
2020/2022	NHRIV600030703-17	UNNAMED BROOK - TO LAMPREY RIVER	EPPING	3.280	MILES	Aquatic Life Integrity	pH	5-M			Non-ORW
2020/2022	NHRIV600030703-18	LAMPREY RIVER	EPPING	3.247	MILES	Aquatic Life Integrity	pH	5-M			Non-ORW
2020/2022	NHRIV600030703-18	LAMPREY RIVER	EPPING	3.247	MILES	Primary Contact Recreation	Escherichia coli	4A-M	9/21/2010	NEW HAMPSHIRE STATEWIDE BACTERIA	39272	Non-ORW
2020/2022	NHRIV600030703-20	RUM BROOK	EPPING	4.791	MILES	Aquatic Life Integrity	pH	5-M			Non-ORW
2020/2022	NHRIV600030704-02	BACK CREEK - UNNAMED BROOK	DEERFIELD	6.449	MILES	Aquatic Life Integrity	pH	5-M			Non-ORW
2020/2022	NHRIV600030704-04	BACK CREEK - UNNAMED BROOK	DEERFIELD, NOTTINGHAM	8.064	MILES	Aquatic Life Integrity	pH	5-M			Non-ORW
2020/2022	NHRIV600030704-06	ROUND POND BROOK	NOTTINGHAM	3.701	MILES	Aquatic Life Integrity	pH	5-M			Non-ORW
2020/2022	NHRIV600030704-07	MOUNTAIN BROOK - UNNAMED BROOKS	NOTTINGHAM, DEERFIELD	6.199	MILES	Aquatic Life Integrity	Dissolved oxygen saturation	5-M			Non-ORW
2020/2022	NHRIV600030704-07	MOUNTAIN BROOK - UNNAMED BROOKS	NOTTINGHAM, DEERFIELD	6.199	MILES	Aquatic Life Integrity	Oxygen, Dissolved	5-P			Non-ORW
2020/2022	NHRIV600030704-07	MOUNTAIN BROOK - UNNAMED BROOKS	NOTTINGHAM, DEERFIELD	6.199	MILES	Aquatic Life Integrity	pH	5-P			Non-ORW
2020/2022	NHRIV600030704-08	UNNAMED BROOK - TO PAWTUCKAWAY POND	NOTTINGHAM	1.706	MILES	Aquatic Life Integrity	pH	5-M			Non-ORW
2020/2022	NHRIV600030704-10	MOUNTAIN BROOK - BETWEEN MOUNTAIN POND AND PAWTACKAWAY LAKE	NOTTINGHAM	0.179	MILES	Aquatic Life Integrity	pH	5-M			Non-ORW
2020/2022	NHRIV600030704-13	FUNDY BROOK	NOTTINGHAM	0.422	MILES	Aquatic Life Integrity	pH	5-P			Non-ORW
2020/2022	NHRIV600030704-14	WHITE GROVE BROOK - TO PAWTUCKAWAY POND	NOTTINGHAM	0.179	MILES	Aquatic Life Integrity	pH	5-M			Non-ORW
2020/2022	NHRIV600030705-13	NORTH RIVER	NOTTINGHAM	8.109	MILES	Aquatic Life Integrity	pH	5-M			Non-ORW
2020/2022	NHRIV600030706-02	NORTH RIVER	NOTTINGHAM, EPPING, LEE	8.000	MILES	Aquatic Life Integrity	Dissolved oxygen saturation	5-M			Non-ORW
2020/2022	NHRIV600030706-02	NORTH RIVER	NOTTINGHAM, EPPING, LEE	8.000	MILES	Aquatic Life Integrity	Oxygen, Dissolved	5-M			Non-ORW
2020/2022	NHRIV600030706-02	NORTH RIVER	NOTTINGHAM, EPPING, LEE	8.000	MILES	Aquatic Life Integrity	pH	5-P			Non-ORW
2020/2022	NHRIV600030706-02	NORTH RIVER	NOTTINGHAM, EPPING, LEE	8.000	MILES	Primary Contact Recreation	Escherichia coli	4A-P	9/21/2010	NEW HAMPSHIRE STATEWIDE BACTERIA	39273	Non-ORW
2020/2022	NHRIV600030707-01	PERKINS BROOK - THRU ROUND POND TO MENDUMS POND	BARRINGTON, NOTTINGHAM	0.158	MILES	Aquatic Life Integrity	pH	5-P				Non-ORW
2020/2022	NHRIV600030707-02	HOWE BROOK	BARRINGTON	0.153	MILES	Aquatic Life Integrity	Dissolved oxygen saturation	5-M				Non-ORW
2020/2022	NHRIV600030707-02	HOWE BROOK	BARRINGTON	0.153	MILES	Aquatic Life Integrity	Oxygen, Dissolved	5-M				Non-ORW
2020/2022	NHRIV600030707-02	HOWE BROOK	BARRINGTON	0.153	MILES	Aquatic Life Integrity	pH	5-P				Non-ORW
2020/2022	NHRIV600030707-03	LITTLE RIVER	NOTTINGHAM, BARRINGTON	10.315	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV600030707-07	LITTLE RIVER	LEE, NOTTINGHAM	7.225	MILES	Aquatic Life Integrity	Aluminum	5-M				Non-ORW
2020/2022	NHRIV600030707-07	LITTLE RIVER	LEE, NOTTINGHAM	7.225	MILES	Aquatic Life Integrity	Lead	5-M				Non-ORW
2020/2022	NHRIV600030707-07	LITTLE RIVER	LEE, NOTTINGHAM	7.225	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV600030707-07	LITTLE RIVER	LEE, NOTTINGHAM	7.225	MILES	Primary Contact Recreation	Escherichia coli	4A-M	9/21/2010	NEW HAMPSHIRE STATEWIDE BACTERIA	39273	Non-ORW
2020/2022	NHRIV600030707-13	MCDANIAL BROOK - TO MENDUMS POND	BARRINGTON	2.606	MILES	Aquatic Life Integrity	pH	5-P				Non-ORW
2020/2022	NHRIV600030708-01	PISCASSIC RIVER	FREMONT	4.960	MILES							ORW
2020/2022	NHRIV600030708-02	PISCASSIC RIVER - UNNAMED BROOK	EPPING, BRENTWOOD, EXETER, FREMONT, NEWFIELDS	10.024	MILES							ORW
2020/2022	NHRIV600030708-07	PISCASSIC RIVER	NEWMARKET, NEWFIELDS	7.385	MILES	Aquatic Life Integrity	Dissolved oxygen saturation	5-P				Non-ORW
2020/2022	NHRIV600030708-07	PISCASSIC RIVER	NEWMARKET, NEWFIELDS	7.385	MILES	Aquatic Life Integrity	Oxygen, Dissolved	5-P				Non-ORW
2020/2022	NHRIV600030708-07	PISCASSIC RIVER	NEWMARKET, NEWFIELDS	7.385	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV600030708-11	FRESH RIVER - BEECH HILL BROOK - UNNAMED BROOK	EXETER, EPPING, NEWFIELDS	3.542	MILES							Review OneStop GIS
2020/2022	NHRIV600030708-13	UNNAMED BROOK	FREMONT	0.225	MILES							ORW
2020/2022	NHRIV600030708-14	BROWN BROOK - TO PISCASSIC RIVER	FREMONT, BRENTWOOD, EPPING	9.088	MILES	Aquatic Life Integrity	Dissolved oxygen saturation	5-M				ORW
2020/2022	NHRIV600030708-14	BROWN BROOK - TO PISCASSIC RIVER	FREMONT, BRENTWOOD, EPPING	9.088	MILES	Aquatic Life Integrity	Oxygen, Dissolved	5-P				ORW
2020/2022	NHRIV600030708-14	BROWN BROOK - TO PISCASSIC RIVER	FREMONT, BRENTWOOD, EPPING	9.088	MILES	Aquatic Life Integrity	pH	5-M				ORW
2020/2022	NHRIV600030708-16	UNNAMED BROOK	EPPING	0.070	MILES							ORW
2020/2022	NHRIV600030709-01	LAMPREY RIVER	EPPING	3.479	MILES	Aquatic Life Integrity	Oxygen, Dissolved	3-ND	1/30/2001	LAMPREY RIVER	9801	Non-ORW
2020/2022	NHRIV600030709-07	LAMPREY RIVER	LEE, EPPING	6.354	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV600030709-07	LAMPREY RIVER	LEE, EPPING	6.354	MILES	Primary Contact Recreation	Escherichia coli	4A-M	9/21/2010	NEW HAMPSHIRE STATEWIDE BACTERIA	39273	Non-ORW
2020/2022	NHRIV600030709-08	LAMPREY RIVER	LEE	1.674	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV600030709-09	LAMPREY RIVER	DURHAM	1.164	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV600030709-13	MOONLIGHT BROOK	NEWMARKET	0.778	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV600030801-01	FORDWAY BROOK	RAYMOND, CANDIA, CHESTER	3.401	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV600030801-05	FORDWAY BROOK - UNNAMED BROOK	RAYMOND, CHESTER	14.294	MILES	Aquatic Life Integrity	Benthic-Macroinvertebrate Bioassessments (Streams)	5-P				Non-ORW
2020/2022	NHRIV600030801-05	FORDWAY BROOK - UNNAMED BROOK	RAYMOND, CHESTER	14.294	MILES	Aquatic Life Integrity	Dissolved oxygen saturation	5-M				Non-ORW
2020/2022	NHRIV600030801-05	FORDWAY BROOK - UNNAMED BROOK	RAYMOND, CHESTER	14.294	MILES	Aquatic Life Integrity	Oxygen, Dissolved	5-P				Non-ORW
2020/2022	NHRIV600030801-05	FORDWAY BROOK - UNNAMED BROOK	RAYMOND, CHESTER	14.294	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV600030802-03	EXETER RIVER	SANDOWN, CHESTER	3.866	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV600030802-03	EXETER RIVER	SANDOWN, CHESTER	3.866	MILES	Primary Contact Recreation	Escherichia coli	4A-P	9/21/2010	NEW HAMPSHIRE STATEWIDE BACTERIA	39272	Non-ORW
2020/2022	NHRIV600030802-10	TOWLE BROOK - TO PANDOLPIN DAM	CHESTER, SANDOWN	7.407	MILES	Primary Contact Recreation	Escherichia coli	4A-P	9/21/2010	NEW HAMPSHIRE STATEWIDE BACTERIA	39273	Non-ORW
2020/2022	NHRIV600030802-16	UNNAMED BROOK - TO SOUTHWEST INLET OF PHILLIPS POND	HAMPSTEAD, SANDOWN	3.801	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV600030803-01	EXETER RIVER	RAYMOND, FREMONT	2.445	MILES	Aquatic Life Integrity	Benthic-Macroinvertebrate Bioassessments (Streams)	5-P				Non-ORW
2020/2022	NHRIV600030803-01	EXETER RIVER	RAYMOND, FREMONT	2.445	MILES	Aquatic Life Integrity	Habitat Assessment (Streams)	4C-P				Non-ORW
2020/2022	NHRIV600030803-01	EXETER RIVER	RAYMOND, FREMONT	2.445	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV600030803-01	EXETER RIVER	RAYMOND, FREMONT	2.445	MILES	Primary Contact Recreation	Escherichia coli	4A-M	9/21/2010	NEW HAMPSHIRE STATEWIDE BACTERIA	39273	Non-ORW
2020/2022	NHRIV600030803-05	EXETER RIVER	BRENTWOOD	5.000	MILES	Aquatic Life Integrity	Benthic-Macroinvertebrate Bioassessments (Streams)	5-M				Non-ORW
2020/2022	NHRIV600030803-05	EXETER RIVER	BRENTWOOD	5.000	MILES	Aquatic Life Integrity	Dissolved oxygen saturation	5-P				Non-ORW
2020/2022	NHRIV600030803-05	EXETER RIVER	BRENTWOOD	5.000	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV600030803-05	EXETER RIVER	BRENTWOOD	5.000	MILES	Primary Contact Recreation	Escherichia coli	5-M				Non-ORW
2020/2022	NHRIV600030803-07	LITTLE RIVER - UNNAMED BROOK	KINGSTON, BRENTWOOD	3.985	MILES	Aquatic Life Integrity	Benthic-Macroinvertebrate Bioassessments (Streams)	5-M				Non-ORW
2020/2022	NHRIV600030804-06	DUDLEY BROOK - UNNAMED BROOK	BRENTWOOD, EXETER, FREMONT	13.218	MILES	Aquatic Life Integrity	Benthic-Macroinvertebrate Bioassessments (Streams)	5-P				Non-ORW
2020/2022	NHRIV600030804-06	DUDLEY BROOK - UNNAMED BROOK	BRENTWOOD, EXETER, FREMONT	13.218	MILES	Aquatic Life Integrity	Dissolved oxygen saturation	5-P				Non-ORW
2020/2022	NHRIV600030804-06	DUDLEY BROOK - UNNAMED BROOK	BRENTWOOD, EXETER, FREMONT	13.218	MILES	Aquatic Life Integrity	Oxygen, Dissolved	5-P				Non-ORW

2020/2022	NHRIV600030804-06	DUDLEY BROOK - UNNAMED BROOK	BRENTWOOD, EXETER, FREMONT	13.218	MILES	Aquatic Life Integrity	pH	5-M			Non-ORW
2020/2022	NHRIV600030804-10	LITTLE RIVER	EXETER	1.889	MILES	Aquatic Life Integrity	Oxygen, Dissolved	5-M			Non-ORW
2020/2022	NHRIV600030804-10	LITTLE RIVER	EXETER	1.889	MILES	Aquatic Life Integrity	pH	5-M			Non-ORW
2020/2022	NHRIV600030804-11	LITTLE RIVER - SCAMEN BROOK	EXETER	4.879	MILES	Aquatic Life Integrity	Dissolved oxygen saturation	5-P			Non-ORW
2020/2022	NHRIV600030804-11	LITTLE RIVER - SCAMEN BROOK	EXETER	4.879	MILES	Aquatic Life Integrity	Oxygen, Dissolved	5-P			Non-ORW
2020/2022	NHRIV600030804-11	LITTLE RIVER - SCAMEN BROOK	EXETER	4.879	MILES	Aquatic Life Integrity	pH	5-M			Non-ORW
2020/2022	NHRIV600030805-02	EXETER RIVER	EXETER, BRENTWOOD	5.372	MILES	Aquatic Life Integrity	Oxygen, Dissolved	5-P			Non-ORW
2020/2022	NHRIV600030805-02	EXETER RIVER	EXETER, BRENTWOOD	5.372	MILES	Aquatic Life Integrity	pH	5-M			Non-ORW
2020/2022	NHRIV600030805-02	EXETER RIVER	EXETER, BRENTWOOD	5.372	MILES	Primary Contact Recreation	Escherichia coli	2-G	9/21/2010	NEW HAMPSHIRE STATEWIDE BACTERIA	39272	Non-ORW
2020/2022	NHRIV600030805-04	GREAT BROOK - BRICKYARD BROOK - HOBBS BROOK - YORK BROOK	EAST KINGSTON, KENSINGTON	7.587	MILES	Aquatic Life Integrity	Dissolved oxygen saturation	5-M			Non-ORW
2020/2022	NHRIV600030805-04	GREAT BROOK - BRICKYARD BROOK - HOBBS BROOK - YORK BROOK	EAST KINGSTON, KENSINGTON	7.587	MILES	Aquatic Life Integrity	Oxygen, Dissolved	5-P			Non-ORW
2020/2022	NHRIV600030805-04	GREAT BROOK - BRICKYARD BROOK - HOBBS BROOK - YORK BROOK	EAST KINGSTON, KENSINGTON	7.587	MILES	Aquatic Life Integrity	pH	5-M			Non-ORW
2020/2022	NHRIV600030805-04	GREAT BROOK - BRICKYARD BROOK - HOBBS BROOK - YORK BROOK	EAST KINGSTON, KENSINGTON	7.587	MILES	Primary Contact Recreation	Escherichia coli	4A-P	9/21/2010	NEW HAMPSHIRE STATEWIDE BACTERIA	39273	Non-ORW
2020/2022	NHRIV600030805-09	EXETER RIVER	EXETER	1.047	MILES	Aquatic Life Integrity	Dissolved oxygen saturation	5-M				Non-ORW
2020/2022	NHRIV600030805-09	EXETER RIVER	EXETER	1.047	MILES	Aquatic Life Integrity	Oxygen, Dissolved	5-P				Non-ORW
2020/2022	NHRIV600030806-01	NORRIS BROOK	EXETER	2.657	MILES	Primary Contact Recreation	Escherichia coli	4A-P	9/21/2010	NEW HAMPSHIRE STATEWIDE BACTERIA	39274	Non-ORW
2020/2022	NHRIV600030806-04	PARKMAN BROOK	STRATHAM, EXETER	5.477	MILES	Aquatic Life Integrity	Chloride	5-M				Non-ORW
2020/2022	NHRIV600030806-04	PARKMAN BROOK	STRATHAM, EXETER	5.477	MILES	Primary Contact Recreation	Escherichia coli	4A-P	9/21/2010	NEW HAMPSHIRE STATEWIDE BACTERIA	39272	Non-ORW
2020/2022	NHRIV600030806-09	UNNAMED BROOK - TO SQUAMSCOTT RIVER	NEWFIELDS	1.412	MILES	Aquatic Life Integrity	Dissolved oxygen saturation	5-M				Non-ORW
2020/2022	NHRIV600030806-09	UNNAMED BROOK - TO SQUAMSCOTT RIVER	NEWFIELDS	1.412	MILES	Aquatic Life Integrity	Oxygen, Dissolved	5-M				Non-ORW
2020/2022	NHRIV600030806-09	UNNAMED BROOK - TO SQUAMSCOTT RIVER	NEWFIELDS	1.412	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV600030806-09	UNNAMED BROOK - TO SQUAMSCOTT RIVER	NEWFIELDS	1.412	MILES	Primary Contact Recreation	Escherichia coli	4A-M	9/21/2010	NEW HAMPSHIRE STATEWIDE BACTERIA	39273	Non-ORW
2020/2022	NHRIV600030806-14	STUART DAIRY FARM BROOK	STRATHAM	0.124	MILES	Primary Contact Recreation	Escherichia coli	4A-M	9/21/2010	NEW HAMPSHIRE STATEWIDE BACTERIA	39272	Non-ORW
2020/2022	NHRIV600030901-01	WINNICUT RIVER - UNNAMED BROOK - CORNELIUS BROOK	NORTH HAMPTON, HAMPTON, STRATHAM	15.194	MILES	Aquatic Life Integrity	Benthic-Macroinvertebrate Bioassessments (Streams)	5-P				Non-ORW
2020/2022	NHRIV600030901-01	WINNICUT RIVER - UNNAMED BROOK - CORNELIUS BROOK	NORTH HAMPTON, HAMPTON, STRATHAM	15.194	MILES	Aquatic Life Integrity	Dissolved oxygen saturation	5-P				Non-ORW
2020/2022	NHRIV600030901-01	WINNICUT RIVER - UNNAMED BROOK - CORNELIUS BROOK	NORTH HAMPTON, HAMPTON, STRATHAM	15.194	MILES	Aquatic Life Integrity	Oxygen, Dissolved	5-P				Non-ORW
2020/2022	NHRIV600030901-01	WINNICUT RIVER - UNNAMED BROOK - CORNELIUS BROOK	NORTH HAMPTON, HAMPTON, STRATHAM	15.194	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV600030901-01	WINNICUT RIVER - UNNAMED BROOK - CORNELIUS BROOK	NORTH HAMPTON, HAMPTON, STRATHAM	15.194	MILES	Primary Contact Recreation	Escherichia coli	5-M				Non-ORW
2020/2022	NHRIV600030901-02	WINNICUT RIVER - BARTON BROOK - MARSH BROOK - THOMPSON BROOK	GREENLAND, NORTH HAMPTON, STRATHAM	12.729	MILES	Aquatic Life Integrity	Dissolved oxygen saturation	5-P				Non-ORW
2020/2022	NHRIV600030901-02	WINNICUT RIVER - BARTON BROOK - MARSH BROOK - THOMPSON BROOK	GREENLAND, NORTH HAMPTON, STRATHAM	12.729	MILES	Aquatic Life Integrity	Oxygen, Dissolved	5-P				Non-ORW
2020/2022	NHRIV600030901-02	WINNICUT RIVER - BARTON BROOK - MARSH BROOK - THOMPSON BROOK	GREENLAND, NORTH HAMPTON, STRATHAM	12.729	MILES	Primary Contact Recreation	Escherichia coli	4A-M	9/27/2010	NEW HAMPSHIRE STATEWIDE BACTERIA	39272	Non-ORW
2020/2022	NHRIV600030901-03	HAINES BROOK	GREENLAND	0.619	MILES	Primary Contact Recreation	Escherichia coli	4A-P	9/21/2010	NEW HAMPSHIRE STATEWIDE BACTERIA	39272	Non-ORW
2020/2022	NHRIV600030901-05	PACKER BROOK	GREENLAND	1.756	MILES	Aquatic Life Integrity	Dissolved oxygen saturation	5-M				Non-ORW
2020/2022	NHRIV600030901-05	PACKER BROOK	GREENLAND	1.756	MILES	Aquatic Life Integrity	Oxygen, Dissolved	5-P				Non-ORW
2020/2022	NHRIV600030901-05	PACKER BROOK	GREENLAND	1.756	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV600030901-06	NORTON BROOK	GREENLAND	0.883	MILES	Aquatic Life Integrity	Dissolved oxygen saturation	5-P				Non-ORW
2020/2022	NHRIV600030901-06	NORTON BROOK	GREENLAND	0.883	MILES	Aquatic Life Integrity	Oxygen, Dissolved	5-P				Non-ORW
2020/2022	NHRIV600030901-06	NORTON BROOK	GREENLAND	0.883	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV600030901-06	NORTON BROOK	GREENLAND	0.883	MILES	Primary Contact Recreation	Escherichia coli	4A-P	8/29/2011	58 NH BACTERIA IMPAIRED WATERS	40663	Non-ORW
2020/2022	NHRIV600030901-07	WINNICUT RIVER - UNNAMED BROOK	NORTH HAMPTON, HAMPTON, STRATHAM	8.462	MILES	Aquatic Life Integrity	Dissolved oxygen saturation	5-M				Non-ORW
2020/2022	NHRIV600030901-07	WINNICUT RIVER - UNNAMED BROOK	NORTH HAMPTON, HAMPTON, STRATHAM	8.462	MILES	Aquatic Life Integrity	Oxygen, Dissolved	5-P				Non-ORW
2020/2022	NHRIV600030901-07	WINNICUT RIVER - UNNAMED BROOK	NORTH HAMPTON, HAMPTON, STRATHAM	8.462	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV600030902-01	UNNAMED TRIBUTARY - TO WHEELWRIGHT POND	LEE, NOTTINGHAM	1.483	MILES	Aquatic Life Integrity	Dissolved oxygen saturation	5-M				Non-ORW
2020/2022	NHRIV600030902-01	UNNAMED TRIBUTARY - TO WHEELWRIGHT POND	LEE, NOTTINGHAM	1.483	MILES	Aquatic Life Integrity	Oxygen, Dissolved	5-P				Non-ORW
2020/2022	NHRIV600030902-01	UNNAMED TRIBUTARY - TO WHEELWRIGHT POND	LEE, NOTTINGHAM	1.483	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV600030902-02	OYSTER RIVER - CALDWELL BROOK	BARRINGTON, LEE, NOTTINGHAM	11.406	MILES	Aquatic Life Integrity	Dissolved oxygen saturation	5-P				Non-ORW
2020/2022	NHRIV600030902-02	OYSTER RIVER - CALDWELL BROOK	BARRINGTON, LEE, NOTTINGHAM	11.406	MILES	Aquatic Life Integrity	Oxygen, Dissolved	5-P				Non-ORW
2020/2022	NHRIV600030902-02	OYSTER RIVER - CALDWELL BROOK	BARRINGTON, LEE, NOTTINGHAM	11.406	MILES	Aquatic Life Integrity	pH	5-P				Non-ORW
2020/2022	NHRIV600030902-02	OYSTER RIVER - CALDWELL BROOK	BARRINGTON, LEE, NOTTINGHAM	11.406	MILES	Primary Contact Recreation	Escherichia coli	4A-P	9/21/2010	NEW HAMPSHIRE STATEWIDE BACTERIA	39269	Non-ORW
2020/2022	NHRIV600030902-03	OYSTER RIVER	MADBURY, BARRINGTON, LEE	8.537	MILES	Aquatic Life Integrity	Dissolved oxygen saturation	5-M				Non-ORW
2020/2022	NHRIV600030902-03	OYSTER RIVER	MADBURY, BARRINGTON, LEE	8.537	MILES	Aquatic Life Integrity	Oxygen, Dissolved	5-P				Non-ORW
2020/2022	NHRIV600030902-03	OYSTER RIVER	MADBURY, BARRINGTON, LEE	8.537	MILES	Aquatic Life Integrity	pH	5-P				Non-ORW
2020/2022	NHRIV600030902-03	OYSTER RIVER	MADBURY, BARRINGTON, LEE	8.537	MILES	Primary Contact Recreation	Escherichia coli	4A-P	9/21/2010	NEW HAMPSHIRE STATEWIDE BACTERIA	39269	Non-ORW
2020/2022	NHRIV600030902-04	OYSTER RIVER - CHELSEY BROOK	LEE, DURHAM, MADBURY	10.500	MILES	Aquatic Life Integrity	Aluminum	5-M				Non-ORW
2020/2022	NHRIV600030902-04	OYSTER RIVER - CHELSEY BROOK	LEE, DURHAM, MADBURY	10.500	MILES	Aquatic Life Integrity	Oxygen, Dissolved	5-P				Non-ORW
2020/2022	NHRIV600030902-04	OYSTER RIVER - CHELSEY BROOK	LEE, DURHAM, MADBURY	10.500	MILES	Aquatic Life Integrity	pH	5-P				Non-ORW
2020/2022	NHRIV600030902-04	OYSTER RIVER - CHELSEY BROOK	LEE, DURHAM, MADBURY	10.500	MILES	Primary Contact Recreation	Escherichia coli	4A-P	9/21/2010	NEW HAMPSHIRE STATEWIDE BACTERIA	39269	Non-ORW
2020/2022	NHRIV600030902-05	OYSTER RIVER - UNNAMED BROOK	DURHAM	1.156	MILES	Primary Contact Recreation	Escherichia coli	4A-P	9/21/2010	NEW HAMPSHIRE STATEWIDE BACTERIA	39272	Non-ORW
2020/2022	NHRIV600030902-06	LONGMARSH BROOK - BEAUDETTE BROOK	DURHAM	1.675	MILES	Aquatic Life Integrity	Oxygen, Dissolved	5-M				Non-ORW
2020/2022	NHRIV600030902-06	LONGMARSH BROOK - BEAUDETTE BROOK	DURHAM	1.675	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV600030902-06	LONGMARSH BROOK - BEAUDETTE BROOK	DURHAM	1.675	MILES	Primary Contact Recreation	Escherichia coli	4A-P	9/21/2010	NEW HAMPSHIRE STATEWIDE BACTERIA	39272	Non-ORW
2020/2022	NHRIV600030902-08	HAMEL BROOK - LONGMARSH BROOK	DURHAM	0.462	MILES	Aquatic Life Integrity	Dissolved oxygen saturation	5-M				Non-ORW
2020/2022	NHRIV600030902-08	HAMEL BROOK - LONGMARSH BROOK	DURHAM	0.462	MILES	Aquatic Life Integrity	Oxygen, Dissolved	5-P				Non-ORW
2020/2022	NHRIV600030902-08	HAMEL BROOK - LONGMARSH BROOK	DURHAM	0.462	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV600030902-08	HAMEL BROOK - LONGMARSH BROOK	DURHAM	0.462	MILES	Primary Contact Recreation	Escherichia coli	4A-P	9/21/2010	NEW HAMPSHIRE STATEWIDE BACTERIA	39272	Non-ORW
2020/2022	NHRIV600030902-09	COLLEGE BROOK	DURHAM	1.892	MILES	Aquatic Life Integrity	Benthic-Macroinvertebrate Bioassessments (Streams)	5-M				Non-ORW
2020/2022	NHRIV600030902-09	COLLEGE BROOK	DURHAM	1.892	MILES	Aquatic Life Integrity	Chloride	5-M				Non-ORW
2020/2022	NHRIV600030902-09	COLLEGE BROOK	DURHAM	1.892	MILES	Aquatic Life Integrity	Dissolved oxygen saturation	5-P				Non-ORW
2020/2022	NHRIV600030902-09	COLLEGE BROOK	DURHAM	1.892	MILES	Primary Contact Recreation	Escherichia coli	4A-P	9/21/2010	NEW HAMPSHIRE STATEWIDE BACTERIA	39272	Non-ORW
2020/2022	NHRIV600030902-10	RESERVOIR BROOK	DURHAM	1.343	MILES	Aquatic Life Integrity	Benthic-Macroinvertebrate Bioassessments (Streams)	5-M				Non-ORW
2020/2022	NHRIV600030902-10	RESERVOIR BROOK	DURHAM	1.343	MILES	Aquatic Life Integrity	Chloride	5-M				Non-ORW
2020/2022	NHRIV600030902-10	RESERVOIR BROOK	DURHAM	1.343	MILES	Aquatic Life Integrity	Dissolved oxygen saturation	5-M				Non-ORW

2020/2022	NHRIV600030902-10	RESERVOIR BROOK	DURHAM	1.343	MILES	Aquatic Life Integrity	Oxygen, Dissolved	5-P				Non-ORW
2020/2022	NHRIV600030902-10	RESERVOIR BROOK	DURHAM	1.343	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV600030902-10	RESERVOIR BROOK	DURHAM	1.343	MILES	Primary Contact Recreation	Escherichia coli	4A-P	9/21/2010	NEW HAMPSHIRE STATEWIDE BACTERIA	39272	Non-ORW
2020/2022	NHRIV600030902-11	LITTLEHOLE CREEK	DURHAM, MADBURY	3.781	MILES	Aquatic Life Integrity	Dissolved oxygen saturation	5-P				Non-ORW
2020/2022	NHRIV600030902-11	LITTLEHOLE CREEK	DURHAM, MADBURY	3.781	MILES	Aquatic Life Integrity	Oxygen, Dissolved	5-P				Non-ORW
2020/2022	NHRIV600030902-11	LITTLEHOLE CREEK	DURHAM, MADBURY	3.781	MILES	Primary Contact Recreation	Escherichia coli	4A-P	8/29/2011	58 NH BACTERIA IMPAIRED WATERS	40663	Non-ORW
2020/2022	NHRIV600030902-13	JOHNSON CREEK - GERRISH BROOK	MADBURY, DOVER, DURHAM	5.846	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV600030902-13	JOHNSON CREEK - GERRISH BROOK	MADBURY, DOVER, DURHAM	5.846	MILES	Primary Contact Recreation	Escherichia coli	4A-P	9/21/2010	NEW HAMPSHIRE STATEWIDE BACTERIA	39273	Non-ORW
2020/2022	NHRIV600030902-14	HORSEHIDE BROOK	DURHAM	0.749	MILES	Aquatic Life Integrity	Oxygen, Dissolved	5-M				Non-ORW
2020/2022	NHRIV600030902-16	WENDYS BROOK	LEE	0.972	MILES	Aquatic Life Integrity	Chloride	5-M				Non-ORW
2020/2022	NHRIV600030902-16	WENDYS BROOK	LEE	0.972	MILES	Aquatic Life Integrity	Dissolved oxygen saturation	5-M				Non-ORW
2020/2022	NHRIV600030902-16	WENDYS BROOK	LEE	0.972	MILES	Aquatic Life Integrity	Oxygen, Dissolved	5-M				Non-ORW
2020/2022	NHRIV600030902-16	WENDYS BROOK	LEE	0.972	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV600030902-16	WENDYS BROOK	LEE	0.972	MILES	Primary Contact Recreation	Escherichia coli	4A-P	8/29/2011	58 NH BACTERIA IMPAIRED WATERS	40664	Non-ORW
2020/2022	NHRIV600030903-01	MADLA BROOK	BARRINGTON	4.902	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV600030903-02	MALLEGO BROOK	BARRINGTON, MADBURY	9.543	MILES	Aquatic Life Integrity	Dissolved oxygen saturation	5-M				Non-ORW
2020/2022	NHRIV600030903-02	MALLEGO BROOK	BARRINGTON, MADBURY	9.543	MILES	Aquatic Life Integrity	Oxygen, Dissolved	5-M				Non-ORW
2020/2022	NHRIV600030903-02	MALLEGO BROOK	BARRINGTON, MADBURY	9.543	MILES	Aquatic Life Integrity	Oxygen, Dissolved	5-M				Non-ORW
2020/2022	NHRIV600030903-02	MALLEGO BROOK	BARRINGTON, MADBURY	9.543	MILES	Aquatic Life Integrity	pH	5-P				Non-ORW
2020/2022	NHRIV600030903-06	BELLAMY RIVER - UNNAMED BROOK	BARRINGTON	3.387	MILES	Aquatic Life Integrity	Oxygen, Dissolved	5-M				Non-ORW
2020/2022	NHRIV600030903-06	BELLAMY RIVER - UNNAMED BROOK	BARRINGTON	3.387	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV600030903-07	BELLAMY RIVER	BARRINGTON, LEE, MADBURY	11.507	MILES	Aquatic Life Integrity	Dissolved oxygen saturation	5-M				Non-ORW
2020/2022	NHRIV600030903-07	BELLAMY RIVER	BARRINGTON, LEE, MADBURY	11.507	MILES	Aquatic Life Integrity	Oxygen, Dissolved	5-P				Non-ORW
2020/2022	NHRIV600030903-07	BELLAMY RIVER	BARRINGTON, LEE, MADBURY	11.507	MILES	Aquatic Life Integrity	pH	5-P				Non-ORW
2020/2022	NHRIV600030903-07	BELLAMY RIVER	BARRINGTON, LEE, MADBURY	11.507	MILES	Primary Contact Recreation	Escherichia coli	4A-P	9/21/2010	NEW HAMPSHIRE STATEWIDE BACTERIA	39269	Non-ORW
2020/2022	NHRIV600030903-08	BELLAMY RIVER - KELLY BROOK - KNOX MARSH BROOK	MADBURY, DOVER	9.454	MILES	Aquatic Life Integrity	Aluminum	5-M				Non-ORW
2020/2022	NHRIV600030903-08	BELLAMY RIVER - KELLY BROOK - KNOX MARSH BROOK	MADBURY, DOVER	9.454	MILES	Aquatic Life Integrity	Benthic-Macroinvertebrate Bioassessments (Streams)	5-P				Non-ORW
2020/2022	NHRIV600030903-08	BELLAMY RIVER - KELLY BROOK - KNOX MARSH BROOK	MADBURY, DOVER	9.454	MILES	Aquatic Life Integrity	Habitat Assessment (Streams)	4C-P				Non-ORW
2020/2022	NHRIV600030903-08	BELLAMY RIVER - KELLY BROOK - KNOX MARSH BROOK	MADBURY, DOVER	9.454	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV600030903-08	BELLAMY RIVER - KELLY BROOK - KNOX MARSH BROOK	MADBURY, DOVER	9.454	MILES	Primary Contact Recreation	Escherichia coli	4A-P	9/21/2010	NEW HAMPSHIRE STATEWIDE BACTERIA	39269	Non-ORW
2020/2022	NHRIV600030903-09	BELLAMY RIVER - UNNAMED BROOK	DOVER	0.756	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV600030903-09	BELLAMY RIVER - UNNAMED BROOK	DOVER	0.756	MILES	Primary Contact Recreation	Escherichia coli	4A-P	9/21/2010	NEW HAMPSHIRE STATEWIDE BACTERIA	39272	Non-ORW
2020/2022	NHRIV600030903-11	VARNEY BROOK - CANNEY BROOK	DOVER	2.916	MILES	Primary Contact Recreation	Escherichia coli	4A-P	9/21/2010	NEW HAMPSHIRE STATEWIDE BACTERIA	39272	Non-ORW
2020/2022	NHRIV600030903-13	GARRISON BROOK	DOVER	1.694	MILES	Primary Contact Recreation	Escherichia coli	4A-P	9/21/2010	NEW HAMPSHIRE STATEWIDE BACTERIA	39272	Non-ORW
2020/2022	NHRIV600030904-05	FOSS BROOK	GREENLAND, STRATHAM	1.387	MILES	Primary Contact Recreation	Escherichia coli	4A-P	8/29/2011	58 NH BACTERIA IMPAIRED WATERS	40663	Non-ORW
2020/2022	NHRIV600030904-06	PICKERING BROOK	PORTSMOUTH, GREENLAND	6.432	MILES	Aquatic Life Integrity	Chloride	5-M				Non-ORW
2020/2022	NHRIV600030904-06	PICKERING BROOK	PORTSMOUTH, GREENLAND	6.432	MILES	Aquatic Life Integrity	Copper	5-P				Non-ORW
2020/2022	NHRIV600030904-06	PICKERING BROOK	PORTSMOUTH, GREENLAND	6.432	MILES	Aquatic Life Integrity	Dissolved oxygen saturation	5-M				Non-ORW
2020/2022	NHRIV600030904-06	PICKERING BROOK	PORTSMOUTH, GREENLAND	6.432	MILES	Aquatic Life Integrity	Iron	5-P				Non-ORW
2020/2022	NHRIV600030904-06	PICKERING BROOK	PORTSMOUTH, GREENLAND	6.432	MILES	Aquatic Life Integrity	Oxygen, Dissolved	5-P				Non-ORW
2020/2022	NHRIV600030904-06	PICKERING BROOK	PORTSMOUTH, GREENLAND	6.432	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV600030904-06	PICKERING BROOK	PORTSMOUTH, GREENLAND	6.432	MILES	Primary Contact Recreation	Escherichia coli	4A-P	9/21/2010	NEW HAMPSHIRE STATEWIDE BACTERIA	39272	Non-ORW
2020/2022	NHRIV600030904-09	KNIGHT BRANCH	NEWINGTON	0.565	MILES	Aquatic Life Integrity	Aluminum	5-M				Non-ORW
2020/2022	NHRIV600030904-11	MCINTYRE BROOK - PEASE AIR FORCE BASE	NEWINGTON	0.621	MILES	Aquatic Life Integrity	Manganese	5-M				Non-ORW
2020/2022	NHRIV600030904-12	PEVERLY BROOK - PEASE AIR FORCE BASE	NEWINGTON	0.131	MILES	Aquatic Life Integrity	Arsenic	5-M				Non-ORW
2020/2022	NHRIV600030904-12	PEVERLY BROOK - PEASE AIR FORCE BASE	NEWINGTON	0.131	MILES	Aquatic Life Integrity	Cadmium	5-M				Non-ORW
2020/2022	NHRIV600030904-12	PEVERLY BROOK - PEASE AIR FORCE BASE	NEWINGTON	0.131	MILES	Aquatic Life Integrity	Manganese	5-M				Non-ORW
2020/2022	NHRIV600030904-12	PEVERLY BROOK - PEASE AIR FORCE BASE	NEWINGTON	0.131	MILES	Aquatic Life Integrity	Zinc	5-M				Non-ORW
2020/2022	NHRIV600030904-13	SHAW BROOK	GREENLAND	1.010	MILES	Primary Contact Recreation	Escherichia coli	4A-M	9/21/2010	NEW HAMPSHIRE STATEWIDE BACTERIA	39272	Non-ORW
2020/2022	NHRIV600030904-21	UNNAMED BROOK - TO GREAT BAY	GREENLAND	0.289	MILES	Primary Contact Recreation	Escherichia coli	4A-P	9/21/2010	NEW HAMPSHIRE STATEWIDE BACTERIA	39272	Non-ORW
2020/2022	NHRIV600031001-01	PICKERING BROOK -FLAGSTONE BROOK	NEWINGTON	2.720	MILES	Aquatic Life Integrity	Aluminum	5-M				Non-ORW
2020/2022	NHRIV600031001-01	PICKERING BROOK -FLAGSTONE BROOK	NEWINGTON	2.720	MILES	Aquatic Life Integrity	Iron	5-M				Non-ORW
2020/2022	NHRIV600031001-03	SAGAMORE CREEK	PORTSMOUTH	0.975	MILES	Aquatic Life Integrity	Chloride	5-M				Non-ORW
2020/2022	NHRIV600031001-03	SAGAMORE CREEK	PORTSMOUTH	0.975	MILES	Aquatic Life Integrity	Dissolved oxygen saturation	5-M				Non-ORW
2020/2022	NHRIV600031001-03	SAGAMORE CREEK	PORTSMOUTH	0.975	MILES	Aquatic Life Integrity	Oxygen, Dissolved	5-P				Non-ORW
2020/2022	NHRIV600031001-03	SAGAMORE CREEK	PORTSMOUTH	0.975	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV600031001-03	SAGAMORE CREEK	PORTSMOUTH	0.975	MILES	Primary Contact Recreation	Escherichia coli	4A-P	9/21/2010	NEW HAMPSHIRE STATEWIDE BACTERIA	39272	Non-ORW
2020/2022	NHRIV600031001-04	LOWER HODGSON BROOK	PORTSMOUTH	0.951	MILES	Aquatic Life Integrity	Benthic-Macroinvertebrate Bioassessments (Streams)	5-P				Non-ORW
2020/2022	NHRIV600031001-04	LOWER HODGSON BROOK	PORTSMOUTH	0.951	MILES	Aquatic Life Integrity	Chloride	5-P				Non-ORW
2020/2022	NHRIV600031001-04	LOWER HODGSON BROOK	PORTSMOUTH	0.951	MILES	Aquatic Life Integrity	Dissolved oxygen saturation	5-M				Non-ORW
2020/2022	NHRIV600031001-04	LOWER HODGSON BROOK	PORTSMOUTH	0.951	MILES	Aquatic Life Integrity	Oxygen, Dissolved	5-P				Non-ORW
2020/2022	NHRIV600031001-04	LOWER HODGSON BROOK	PORTSMOUTH	0.951	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV600031001-04	LOWER HODGSON BROOK	PORTSMOUTH	0.951	MILES	Primary Contact Recreation	Escherichia coli	4A-P	9/21/2010	NEW HAMPSHIRE STATEWIDE BACTERIA	39272	Non-ORW
2020/2022	NHRIV600031001-05	UPPER HODGSON BROOK	PORTSMOUTH	1.572	MILES	Aquatic Life Integrity	Benthic-Macroinvertebrate Bioassessments (Streams)	5-P				Non-ORW
2020/2022	NHRIV600031001-05	UPPER HODGSON BROOK	PORTSMOUTH	1.572	MILES	Aquatic Life Integrity	Chloride	5-M				Non-ORW
2020/2022	NHRIV600031001-05	UPPER HODGSON BROOK	PORTSMOUTH	1.572	MILES	Aquatic Life Integrity	Dissolved oxygen saturation	5-M				Non-ORW
2020/2022	NHRIV600031001-05	UPPER HODGSON BROOK	PORTSMOUTH	1.572	MILES	Aquatic Life Integrity	Habitat Assessment (Streams)	4C-P				Non-ORW
2020/2022	NHRIV600031001-05	UPPER HODGSON BROOK	PORTSMOUTH	1.572	MILES	Aquatic Life Integrity	Manganese	5-M				Non-ORW
2020/2022	NHRIV600031001-05	UPPER HODGSON BROOK	PORTSMOUTH	1.572	MILES	Aquatic Life Integrity	Oxygen, Dissolved	5-M				Non-ORW
2020/2022	NHRIV600031001-05	UPPER HODGSON BROOK	PORTSMOUTH	1.572	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV600031001-05	UPPER HODGSON BROOK	PORTSMOUTH	1.572	MILES	Primary Contact Recreation	Escherichia coli	4A-P	9/21/2010	NEW HAMPSHIRE STATEWIDE BACTERIA	39272	Non-ORW
2020/2022	NHRIV600031001-06	GRAFTON DITCH	PORTSMOUTH	1.305	MILES	Aquatic Life Integrity	Aluminum	5-M				Non-ORW
2020/2022	NHRIV600031001-06	GRAFTON DITCH	PORTSMOUTH	1.305	MILES	Aquatic Life Integrity	Arsenic	5-M				Non-ORW
2020/2022	NHRIV600031001-06	GRAFTON DITCH	PORTSMOUTH	1.305	MILES	Aquatic Life Integrity	Chromium (total)	5-M				Non-ORW
2020/2022	NHRIV600031001-06	GRAFTON DITCH	PORTSMOUTH	1.305	MILES	Aquatic Life Integrity	Copper	5-M				Non-ORW
2020/2022	NHRIV600031001-06	GRAFTON DITCH	PORTSMOUTH	1.305	MILES	Aquatic Life Integrity	Iron	5-M				Non-ORW
2020/2022	NHRIV600031001-06	GRAFTON DITCH	PORTSMOUTH	1.305	MILES	Aquatic Life Integrity	Lead	5-M				Non-ORW
2020/2022	NHRIV600031001-06	GRAFTON DITCH	PORTSMOUTH	1.305	MILES	Aquatic Life Integrity	Manganese	5-M				Non-ORW
2020/2022	NHRIV600031001-06	GRAFTON DITCH	PORTSMOUTH	1.305	MILES	Aquatic Life Integrity	Zinc	5-M				Non-ORW
2020/2022	NHRIV600031001-07	PAULS BROOK - PEASE AIR FORCE BASE	NEWINGTON	0.515	MILES	Aquatic Life Integrity	Benthic-Macroinvertebrate Bioassessments (Streams)	5-M				Non-ORW
2020/2022	NHRIV600031001-07	PAULS BROOK - PEASE AIR FORCE BASE	NEWINGTON	0.515	MILES	Aquatic Life Integrity	Chloride	5-P				Non-ORW
2020/2022	NHRIV600031001-07	PAULS BROOK - PEASE AIR FORCE BASE	NEWINGTON	0.515	MILES	Aquatic Life Integrity	DDD	5-M				Non-ORW
2020/2022	NHRIV600031001-07	PAULS BROOK - PEASE AIR FORCE BASE	NEWINGTON	0.515	MILES	Aquatic Life Integrity	Oxygen, Dissolved	5-P				Non-ORW
2020/2022	NHRIV600031001-07	PAULS BROOK - PEASE AIR FORCE BASE	NEWINGTON	0.515	MILES	Primary Contact Recreation	Escherichia coli	4A-P	9/21/2010	NEW HAMPSHIRE STATEWIDE BACTERIA	39272	Non-ORW
2020/2022	NHRIV600031001-08	RAILWAY BROOK - PEASE AIR FORCE BASE	NEWINGTON	0.638	MILES	Aquatic Life Integrity	Iron	5-M				Non-ORW
2020/2022	NHRIV600031001-09	BORTHWICK AVE TRIBUTARY	PORTSMOUTH	1.340	MILES	Aquatic Life Integrity	Chloride	5-M				Non-ORW
2020/2022	NHRIV600031001-09	BORTHWICK AVE TRIBUTARY	PORTSMOUTH	1.340	MILES	Aquatic Life Integrity	Dissolved oxygen saturation	5-P				Non-ORW

2020/2022	NHRIV600031001-09	BORTHWICK AVE TRIBUTARY	PORTSMOUTH	1.340	MILES	Aquatic Life Integrity	Iron	5-M					Non-ORW
2020/2022	NHRIV600031001-09	BORTHWICK AVE TRIBUTARY	PORTSMOUTH	1.340	MILES	Aquatic Life Integrity	Oxygen, Dissolved	5-P					Non-ORW
2020/2022	NHRIV600031001-09	BORTHWICK AVE TRIBUTARY	PORTSMOUTH	1.340	MILES	Aquatic Life Integrity	pH	5-M					Non-ORW
2020/2022	NHRIV600031001-09	BORTHWICK AVE TRIBUTARY	PORTSMOUTH	1.340	MILES	Primary Contact Recreation	Escherichia coli	4A-P	9/21/2010	NEW HAMPSHIRE STATEWIDE BACTERIA	39272		Non-ORW
2020/2022	NHRIV600031001-10	NEWFILEDS DITCH	PORTSMOUTH	1.315	MILES	Aquatic Life Integrity	Chloride	5-M					Non-ORW
2020/2022	NHRIV600031001-10	NEWFILEDS DITCH	PORTSMOUTH	1.315	MILES	Aquatic Life Integrity	Dissolved oxygen saturation	5-M					Non-ORW
2020/2022	NHRIV600031001-10	NEWFILEDS DITCH	PORTSMOUTH	1.315	MILES	Aquatic Life Integrity	pH	5-M					Non-ORW
2020/2022	NHRIV600031001-10	NEWFILEDS DITCH	PORTSMOUTH	1.315	MILES	Primary Contact Recreation	Escherichia coli	4A-P	9/21/2010	NEW HAMPSHIRE STATEWIDE BACTERIA	39272		Non-ORW
2020/2022	NHRIV600031002-01	BERRYS BROOK	PORTSMOUTH, GREENLAND, RYE	9.372	MILES	Aquatic Life Integrity	Dissolved oxygen saturation	5-P					Non-ORW
2020/2022	NHRIV600031002-01	BERRYS BROOK	PORTSMOUTH, GREENLAND, RYE	9.372	MILES	Aquatic Life Integrity	Oxygen, Dissolved	5-P					Non-ORW
2020/2022	NHRIV600031002-01	BERRYS BROOK	PORTSMOUTH, GREENLAND, RYE	9.372	MILES	Aquatic Life Integrity	pH	5-M					Non-ORW
2020/2022	NHRIV600031002-01	BERRYS BROOK	PORTSMOUTH, GREENLAND, RYE	9.372	MILES	Primary Contact Recreation	Escherichia coli	4A-P	9/21/2010	NEW HAMPSHIRE STATEWIDE BACTERIA	39272		Non-ORW
2020/2022	NHRIV600031002-03	PARSONS CREEK EAST	RYE	1.212	MILES	Primary Contact Recreation	Escherichia coli	4A-P	9/21/2010	NEW HAMPSHIRE STATEWIDE BACTERIA	39272		Non-ORW
2020/2022	NHRIV600031002-10	EEL POND OUTLET TO ATLANTIC OCEAN	RYE	0.041	MILES	Primary Contact Recreation	Escherichia coli	4A-M	9/30/2013	44 Bacteria Impaired Waters	55220		Non-ORW
2020/2022	NHRIV600031002-23	TRIB TO CHAPEL BROOK	NORTH HAMPTON	0.216	MILES	Primary Contact Recreation	Escherichia coli	4A-P	9/30/2013	44 Bacteria Impaired Waters	55221		Non-ORW
2020/2022	NHRIV600031002-24	CHAPEL BROOK	NORTH HAMPTON	0.124	MILES	Primary Contact Recreation	Escherichia coli	4A-P	9/30/2013	44 Bacteria Impaired Waters	55221		Non-ORW
2020/2022	NHRIV600031004-04	LITTLE RIVER - UNNAMED BROOK - OLIVER BROOK	NORTH HAMPTON, RYE	4.521	MILES	Aquatic Life Integrity	pH	5-P					Non-ORW
2020/2022	NHRIV600031004-09	FOLLY MILL BROOK	SEABROOK	0.133	MILES	Aquatic Life Integrity	Iron	5-P					Non-ORW
2020/2022	NHRIV600031004-09	FOLLY MILL BROOK	SEABROOK	0.133	MILES	Aquatic Life Integrity	pH	5-M					Non-ORW
2020/2022	NHRIV600031004-09	FOLLY MILL BROOK	SEABROOK	0.133	MILES	Aquatic Life Integrity	Sedimentation/Siltation	4C-P					Non-ORW
2020/2022	NHRIV600031004-10	CAINS BROOK - UNNAMED BROOK	SEABROOK	2.223	MILES	Aquatic Life Integrity	pH	5-M					Non-ORW
2020/2022	NHRIV600031004-10	CAINS BROOK - UNNAMED BROOK	SEABROOK	2.223	MILES	Primary Contact Recreation	Escherichia coli	4A-P	9/21/2010	NEW HAMPSHIRE STATEWIDE BACTERIA	39272		Non-ORW
2020/2022	NHRIV600031004-11	CAINS BROOK	SEABROOK	0.029	MILES	Aquatic Life Integrity	pH	5-M					Non-ORW
2020/2022	NHRIV600031004-12	CAINS BROOK	SEABROOK	0.249	MILES	Primary Contact Recreation	Escherichia coli	4A-P	9/21/2010	NEW HAMPSHIRE STATEWIDE BACTERIA	39272		Non-ORW
2020/2022	NHRIV600031004-21	UNNAMED BROOK - TO CAINS MILL POND	SEABROOK	0.425	MILES	Primary Contact Recreation	Escherichia coli	4A-P	8/29/2011	58 NH BACTERIA IMPAIRED WATERS	40662		Non-ORW
2020/2022	NHRIV700010101-01	JUMPING BRK - NORTH FORK EAST BR PEMIGEWASSET R - WHITEWALL BRK	LINCOLN, BETHLEHEM	28.485	MILES								ORW
2020/2022	NHRIV700010102-01	EAST BRANCH PEMIGEWASSET RIVER - ANDERSON BROOK	LINCOLN	16.533	MILES								ORW
2020/2022	NHRIV700010102-02	EAST BRANCH PEMIGEWASSET RIVER - CARRIGAIN BRANCH	LINCOLN	11.637	MILES								ORW
2020/2022	NHRIV700010102-03	EAST BRANCH PEMIGEWASSET RIVER - UNNAMED BROOK - CEDAR BROOK - BLACK BROOK	LINCOLN	21.567	MILES								ORW
2020/2022	NHRIV700010103-01	FRANCONIA BRANCH - UNNAMED BROOK - REDROCK BROOK - TWIN BROOK	FRANCONIA, LINCOLN	24.476	MILES								ORW
2020/2022	NHRIV700010103-02	FRANCONIA BRANCH - UNNAMED BROOK - LINCOLN BROOK - HELLGATE BROOK	FRANCONIA, LINCOLN	25.316	MILES								ORW
2020/2022	NHRIV700010104-01	HANCOCK BR - N FORK HANCOCK BR - PINE BRK - CHENEY BRK - S FORK HANCOCK BRK	LINCOLN	20.410	MILES								ORW
2020/2022	NHRIV700010104-02	HANCOCK BRANCH - UNNAMED BROOK	LINCOLN	18.494	MILES								ORW
2020/2022	NHRIV700010104-03	EAST BRANCH PEMIGEWASSET RIVER - UNNAMED BROOK - BIRCH ISLAND BROOK	LINCOLN	20.704	MILES								ORW
2020/2022	NHRIV700010104-04	LOON POND BROOK	LINCOLN	0.363	MILES								ORW
2020/2022	NHRIV700010104-05	LOON POND BROOK	LINCOLN	0.913	MILES								ORW
2020/2022	NHRIV700010104-06	LOON POND BROOK	LINCOLN	0.202	MILES								ORW
2020/2022	NHRIV700010104-07	EAST BR PEMIGEWASSET R - BOYLE BRK - POLLARD BRK - CLEAR BRK - LOON POND BRK	LINCOLN	17.479	MILES								ORW
2020/2022	NHRIV700010104-08	EAST BRANCH PEMIGEWASSET RIVER	WOODSTOCK, LINCOLN	0.640	MILES								Review OneStop GIS
2020/2022	NHRIV700010104-09	UNNAMED BROOK	WOODSTOCK	0.137	MILES								ORW
2020/2022	NHRIV700010104-10	UNNAMED BROOK	WOODSTOCK	0.113	MILES								ORW
2020/2022	NHRIV700010104-11	BOYLE BROOK	LINCOLN	2.233	MILES								ORW
2020/2022	NHRIV700010201-01	CASCADE BROOK - DRY BROOK - PEMIGEWASSET RIVER - UNNAMED BROOK - WALKER BROOK	LINCOLN, FRANCONIA	16.103	MILES								ORW
2020/2022	NHRIV700010201-02	BOYCE BROOK	LINCOLN	3.771	MILES								ORW
2020/2022	NHRIV700010201-03	PEMIGEWASSET R - FLUME BRK - UNNAMED BRK - WHITEHOUSE BRK - BOYCE BRK	LINCOLN	15.960	MILES								Review OneStop GIS
2020/2022	NHRIV700010201-04	ELIZA BROOK - UNNAMED BROOK	LINCOLN	3.976	MILES								ORW
2020/2022	NHRIV700010201-06	HARVARD BROOK - UNNAMED BROOK	LINCOLN	7.015	MILES								Review OneStop GIS
2020/2022	NHRIV700010201-07	HANSON BROOK	LINCOLN	6.897	MILES								Review OneStop GIS
2020/2022	NHRIV700010201-11	PEMIGEWASSET RIVER	FRANCONIA	0.151	MILES								ORW
2020/2022	NHRIV700010201-13	HARVARD BROOK	LINCOLN	0.699	MILES								ORW
2020/2022	NHRIV700010201-15	UNNAMED BROOK	LINCOLN	0.444	MILES								ORW
2020/2022	NHRIV700010202-01	BOLES BROOK - GORDON POND BROOK - UNNAMED BROOK	WOODSTOCK, LINCOLN	12.557	MILES								ORW
2020/2022	NHRIV700010202-02	GORDON POND BROOK	WOODSTOCK, LINCOLN	2.151	MILES								Review OneStop GIS
2020/2022	NHRIV700010202-03	WALKER BROOK - LOST RIVER - UNNAMED BROOK	WOODSTOCK	8.708	MILES								ORW
2020/2022	NHRIV700010202-04	JACKMAN BROOK	WOODSTOCK	12.925	MILES								ORW
2020/2022	NHRIV700010202-05	WALKER BROOK	WOODSTOCK	7.917	MILES								ORW
2020/2022	NHRIV700010202-06	MOOSILAUKE BROOK	WOODSTOCK	2.079	MILES								ORW
2020/2022	NHRIV700010202-07	PIKE BROOK	WOODSTOCK	4.804	MILES								ORW
2020/2022	NHRIV700010202-08	GORDON POND BROOK - MOOSILAUKE BROOK - UNNAMED BROOK - CROOKED BROOK	WOODSTOCK	3.561	MILES								Review OneStop GIS
2020/2022	NHRIV700010202-09	SMITH BROOK - UNNAMED BROOK	WOODSTOCK	2.567	MILES								ORW
2020/2022	NHRIV700010203-01	PEMIGEWASSET RIVER	WOODSTOCK	6.431	MILES	Aquatic Life Integrity	Aluminum	5-M					Non-ORW
2020/2022	NHRIV700010203-01	PEMIGEWASSET RIVER	WOODSTOCK	6.431	MILES	Aquatic Life Integrity	pH	5-M					Non-ORW
2020/2022	NHRIV700010203-02	GLOVER BROOK - UNNAMED BROOK	WOODSTOCK	3.247	MILES								ORW
2020/2022	NHRIV700010203-03	GLOVER BROOK - UNNAMED BROOK	WOODSTOCK	7.574	MILES								Review OneStop GIS
2020/2022	NHRIV700010203-04	BEAVER BROOK	WOODSTOCK	2.104	MILES								ORW
2020/2022	NHRIV700010203-06	RUSSELL POND BROOK	WOODSTOCK	1.611	MILES								Review OneStop GIS
2020/2022	NHRIV700010203-07	UNNAMED BROOK	WOODSTOCK	1.474	MILES								Review OneStop GIS
2020/2022	NHRIV700010203-08	HORNER BROOK - UNNAMED BROOK	WOODSTOCK, LINCOLN	3.503	MILES								Review OneStop GIS
2020/2022	NHRIV700010203-09	UNNAMED BROOK	WOODSTOCK	0.988	MILES								Review OneStop GIS
2020/2022	NHRIV700010203-10	UNNAMED BROOK	WOODSTOCK	1.432	MILES								Review OneStop GIS
2020/2022	NHRIV700010203-11	UNNAMED BROOK	WOODSTOCK	0.594	MILES								ORW
2020/2022	NHRIV700010203-13	UNNAMED BROOK	WOODSTOCK	0.618	MILES								ORW
2020/2022	NHRIV700010203-14	RUSSELL POND BROOK	WOODSTOCK	0.429	MILES								ORW
2020/2022	NHRIV700010204-01	EASTMAN BROOK - EAST POND BROOK - MACK BROOK	LIVERMORE, THORNTON, WATERVILLE VALLEY	17.068	MILES								ORW
2020/2022	NHRIV700010204-02	EASTMAN BROOK - TALFORD BROOK	THORNTON, LINCOLN, LIVERMORE	14.007	MILES								Review OneStop GIS

2020/2022	NHRIV700010204-03	JOHNSON BROOK - UNNAMED BROOK	THORNTON, LIVERMORE, WATERVILLE VALLEY	12.446	MILES							Review OneStop GIS
2020/2022	NHRIV700010204-04	EASTMAN BROOK	THORNTON, WOODSTOCK	2.145	MILES							Review OneStop GIS
2020/2022	NHRIV700010205-01	HUBBARD BROOK	ELLSWORTH, THORNTON, WOODSTOCK	15.527	MILES							ORW
2020/2022	NHRIV700010205-02	HUBBARD BROOK	WOODSTOCK, THORNTON	9.178	MILES							Review OneStop GIS
2020/2022	NHRIV700010205-03	LEEMANS BROOK	WOODSTOCK	3.890	MILES							Review OneStop GIS
2020/2022	NHRIV700010205-04	BURLEIGH BROOK - UNNAMED BROOK	WOODSTOCK, THORNTON	4.298	MILES							Review OneStop GIS
2020/2022	NHRIV700010205-05	BAGLEY BROOK	THORNTON, ELLSWORTH	8.470	MILES							Review OneStop GIS
2020/2022	NHRIV700010205-06	HACKETT BROOK	THORNTON	4.595	MILES							Review OneStop GIS
2020/2022	NHRIV700010205-07	MILL BROOK - HASELTON BROOK	THORNTON, WATERVILLE VALLEY	17.520	MILES							Review OneStop GIS
2020/2022	NHRIV700010205-08	MILL BROOK - UNNAMED BROOK	THORNTON	3.758	MILES							Review OneStop GIS
2020/2022	NHRIV700010205-09	MILL BROOK	THORNTON	3.958	MILES	Aquatic Life Integrity	Other flow regime alterations	4C-M				Non-ORW
2020/2022	NHRIV700010205-12	PEMIGEWASSET RIVER - HUBBARD BROOK	THORNTON, WOODSTOCK	6.682	MILES	Aquatic Life Integrity	pH	5-P				Non-ORW
2020/2022	NHRIV700010205-13	UNNAMED BROOK	THORNTON	2.276	MILES							Review OneStop GIS
2020/2022	NHRIV700010205-15	UNNAMED BROOK	WOODSTOCK, THORNTON	1.216	MILES							Review OneStop GIS
2020/2022	NHRIV700010206-01	WEST BRANCH BROOK - BUZZELL BROOK	ELLSWORTH, WARREN	10.835	MILES							ORW
2020/2022	NHRIV700010206-02	UNNAMED BROOK - TO ELLSWORTH POND	ELLSWORTH, RUMNEY	1.838	MILES							ORW
2020/2022	NHRIV700010206-03	WEST BRANCH BROOK	ELLSWORTH, CAMPTON, RUMNEY, THORNTON	15.374	MILES							ORW
2020/2022	NHRIV700010206-04	UNNAMED BROOK - UPPER REACH	CAMPTON	0.744	MILES							ORW
2020/2022	NHRIV700010206-05	WEST BRANCH BROOK - GREAT BROOK	CAMPTON, ELLSWORTH, RUMNEY, THORNTON	13.171	MILES							Review OneStop GIS
2020/2022	NHRIV700010206-07	UNNAMED BROOK - TO PEMIGEWASSET RIVER	THORNTON	1.545	MILES							Review OneStop GIS
2020/2022	NHRIV700010301-01	BAKER RIVER - BIG BROOK - GORGE BROOK - MERRILL BROOK	BENTON, WARREN, WOODSTOCK	13.138	MILES							ORW
2020/2022	NHRIV700010301-02	BLODGETT BROOK	WARREN, WOODSTOCK	9.671	MILES							ORW
2020/2022	NHRIV700010301-03	BAKER RIVER	WARREN	9.100	MILES	Aquatic Life Integrity	pH	5-M				Review OneStop GIS
2020/2022	NHRIV700010301-04	BAKER RIVER - BATCHELDER BROOK	WARREN	6.340	MILES							Review OneStop GIS
2020/2022	NHRIV700010302-01	BERRY BROOK	WARREN, BENTON	9.390	MILES							Review OneStop GIS
2020/2022	NHRIV700010302-03	BAKER RIVER	WARREN	1.198	MILES	Aquatic Life Integrity	Other flow regime alterations	4C-M				Review OneStop GIS
2020/2022	NHRIV700010302-04	BLACK BROOK	WARREN	3.013	MILES							ORW
2020/2022	NHRIV700010302-05	BLACK BROOK	WARREN	7.569	MILES							Review OneStop GIS
2020/2022	NHRIV700010302-06	ORE HILL BROOK	WARREN	6.652	MILES							Review OneStop GIS
2020/2022	NHRIV700010302-08	PATCH BROOK - UNNAMED BROOK	WARREN	3.033	MILES							Review OneStop GIS
2020/2022	NHRIV700010302-10	ATWELL BROOK	WENTWORTH, WARREN	11.337	MILES							Review OneStop GIS
2020/2022	NHRIV700010302-12	MARTINS BROOK	WENTWORTH	3.268	MILES							Review OneStop GIS
2020/2022	NHRIV700010302-14	BAKER RIVER	WENTWORTH, WARREN	3.586	MILES	Aquatic Life Integrity	pH	5-M				Review OneStop GIS
2020/2022	NHRIV700010302-15	CLIFFORD BROOK - HURRICANE BROOK	WARREN	4.403	MILES							Review OneStop GIS
2020/2022	NHRIV700010303-01	POND BROOK - UNNAMED BROOK	PIERMONT, ORFORD, WARREN	9.427	MILES							Review OneStop GIS
2020/2022	NHRIV700010303-04	BRACKETT BROOK - UNNAMED BROOK	ORFORD, WENTWORTH	7.981	MILES							Review OneStop GIS
2020/2022	NHRIV700010303-05	POND BROOK	ORFORD	0.890	MILES							Review OneStop GIS
2020/2022	NHRIV700010303-09-01	BAKER RIVER	WENTWORTH	0.773	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV700010303-09-01	BAKER RIVER	WENTWORTH	0.773	MILES	Primary Contact Recreation	Escherichia coli	2-G	9/21/2010	NEW HAMPSHIRE STATEWIDE BACTERIA	39272	Non-ORW
2020/2022	NHRIV700010303-12	BAKER RIVER	WENTWORTH	1.901	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV700010303-12	BAKER RIVER	WENTWORTH	1.901	MILES	Primary Contact Recreation	Escherichia coli	2-G	9/21/2010	NEW HAMPSHIRE STATEWIDE BACTERIA	39272	Non-ORW
2020/2022	NHRIV700010303-14	UNNAMED BROOK	ORFORD	0.742	MILES							Review OneStop GIS
2020/2022	NHRIV700010304-12	SOUTH BRANCH BAKER RIVER	WENTWORTH, DORCHESTER	2.671	MILES	Aquatic Life Integrity	pH	5-M				Review OneStop GIS
2020/2022	NHRIV700010305-02	STEVENS BROOK	WENTWORTH	5.262	MILES							Review OneStop GIS
2020/2022	NHRIV700010305-03	UNNAMED BROOK - TO BAKER RIVER	RUMNEY, WENTWORTH	1.567	MILES							Review OneStop GIS
2020/2022	NHRIV700010305-07	UNNAMED BROOK - TO BAKER RIVER	GROTON, RUMNEY	3.592	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV700010305-11	BAKER RIVER	RUMNEY, WENTWORTH	7.734	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV700010305-11	BAKER RIVER	RUMNEY, WENTWORTH	7.734	MILES	Primary Contact Recreation	Escherichia coli	4A-P	9/21/2010	NEW HAMPSHIRE STATEWIDE BACTERIA	39273	Non-ORW
2020/2022	NHRIV700010305-16	UNNAMED BROOK	RUMNEY	2.289	MILES							Review OneStop GIS
2020/2022	NHRIV700010305-17	UNNAMED BROOK	RUMNEY	1.960	MILES							Review OneStop GIS
2020/2022	NHRIV700010305-19	UNNAMED BROOK	RUMNEY	1.638	MILES							Review OneStop GIS
2020/2022	NHRIV700010306-01	SUCKER BROOK	WARREN	0.397	MILES							ORW
2020/2022	NHRIV700010306-02	SUCKER BROOK - UNNAMED BROOK	ELLSWORTH, WARREN	0.815	MILES							ORW
2020/2022	NHRIV700010306-03	SUCKER BROOK	ELLSWORTH, RUMNEY, WARREN	3.873	MILES							ORW
2020/2022	NHRIV700010306-04	COLLINS BROOK - TO STINSON LAKE	RUMNEY	2.527	MILES							ORW
2020/2022	NHRIV700010306-05	DOETOWN BROOK - TO STINSON LAKE	RUMNEY	1.485	MILES							ORW
2020/2022	NHRIV700010306-06	CROSS ROAD BROOK - TO STINSON LAKE	RUMNEY	2.691	MILES							ORW
2020/2022	NHRIV700010306-07	STINSON BROOK - UNNAMED BROOK - RED BROOK	RUMNEY	12.244	MILES							Review OneStop GIS
2020/2022	NHRIV700010306-08	STINSON BROOK	RUMNEY	9.184	MILES							Review OneStop GIS
2020/2022	NHRIV700010306-10	UNNAMED BROOK	RUMNEY	0.499	MILES							ORW
2020/2022	NHRIV700010306-11	UNNAMED BROOK	WARREN	0.361	MILES							ORW
2020/2022	NHRIV700010307-02	UNNAMED BROOK - TO BAKER RIVER	RUMNEY	2.102	MILES							Review OneStop GIS
2020/2022	NHRIV700010307-05	MILL BROOK INLET TO LOON POND	RUMNEY, CAMPTON, PLYMOUTH	3.709	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV700010307-11	BAKER RIVER	PLYMOUTH, HOLDERNESS, RUMNEY	10.651	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV700010307-11	BAKER RIVER	PLYMOUTH, HOLDERNESS, RUMNEY	10.651	MILES	Primary Contact Recreation	Escherichia coli	4A-P	9/21/2010	NEW HAMPSHIRE STATEWIDE BACTERIA	39273	Non-ORW
2020/2022	NHRIV700010307-13	UNNAMED BROOK - TO LOON LAKE	PLYMOUTH, CAMPTON	0.450	MILES	Primary Contact Recreation	Escherichia coli	2-G	9/30/2013	44 Bacteria Impaired Waters	55221	Non-ORW
2020/2022	NHRIV700010307-27	UNNAMED BROOK	RUMNEY	0.943	MILES							Review OneStop GIS
2020/2022	NHRIV700010401-01	MAD RIVER - UNNAMED BROOK	LIVERMORE	0.780	MILES							ORW
2020/2022	NHRIV700010401-02	MAD RIVER - FLUME BROOK - KANCAMAGUS BROOK	WATERVILLE VALLEY, LIVERMORE	9.926	MILES							ORW
2020/2022	NHRIV700010401-03	CASCADE BROOK - AVALANCHE BROOK - SLIDE BROOK - COLD BROOK	WATERVILLE VALLEY	9.303	MILES							ORW
2020/2022	NHRIV700010401-04	OSCEOLA BROOK - WEST BRANCH MAD RIVER	WATERVILLE VALLEY, LIVERMORE	11.819	MILES							ORW
2020/2022	NHRIV700010401-05	TECUMSEH BROOK	WATERVILLE VALLEY	3.268	MILES							ORW
2020/2022	NHRIV700010401-06	SNOWS BROOK	WATERVILLE VALLEY	2.236	MILES							ORW
2020/2022	NHRIV700010401-07	MAD RIVER - SNOWS BROOK	WATERVILLE VALLEY	0.935	MILES							ORW
2020/2022	NHRIV700010401-08	DRAKES BROOK	WATERVILLE VALLEY	3.890	MILES							ORW
2020/2022	NHRIV700010401-09	MAD RIVER	WATERVILLE VALLEY	1.392	MILES							ORW
2020/2022	NHRIV700010401-10	MAD RIVER - HARDY BROOK	WATERVILLE VALLEY	12.093	MILES							ORW
2020/2022	NHRIV700010401-11	MAD RIVER	WATERVILLE VALLEY, THORNTON	8.783	MILES							ORW
2020/2022	NHRIV700010401-12	MAD RIVER	SANDWICH, THORNTON, WATERVILLE VALLEY	14.985	MILES							ORW
2020/2022	NHRIV700010401-13	MAD RIVER - CHICKENBORO BROOK - WINTER BROOK	THORNTON, CAMPTON	15.934	MILES							ORW

2020/2022	NHRIV700010401-14	UNNAMED BROOKS - TO CAMPTON POND	THORNTON, CAMPTON	7.386	MILES							ORW
2020/2022	NHRIV700010401-15	WINTER BROOK	CAMPTON	1.033	MILES							Review OneStop GIS
2020/2022	NHRIV700010401-16	UNNAMED BROOK - WINTER BROOK	CAMPTON	2.652	MILES							Review OneStop GIS
2020/2022	NHRIV700010401-17	MAD RIVER	CAMPTON	3.232	MILES							Review OneStop GIS
2020/2022	NHRIV700010401-18	UNNAMED BROOK	CAMPTON	0.054	MILES							ORW
2020/2022	NHRIV700010401-21	UNNAMED BROOK	CAMPTON	0.184	MILES							ORW
2020/2022	NHRIV700010401-22	UNNAMED BROOK	THORNTON, CAMPTON	0.344	MILES							ORW
2020/2022	NHRIV700010401-23	UNNAMED BROOK	THORNTON, CAMPTON	1.116	MILES							ORW
2020/2022	NHRIV700010402-01	BEEBE RIVER - UNNAMED BROOK	SANDWICH	2.753	MILES							ORW
2020/2022	NHRIV700010402-02	BEEBE RIVER - UNNAMED BROOK	SANDWICH	12.844	MILES							Review OneStop GIS
2020/2022	NHRIV700010402-03	UNNAMED BROOK	SANDWICH	1.193	MILES							ORW
2020/2022	NHRIV700010402-04	UNNAMED BROOK - FROM UPPER HALL POND TO MIDDLE HALL POND	SANDWICH	0.406	MILES							ORW
2020/2022	NHRIV700010402-05	UNNAMED BROOK - FROM MIDDLE HALL POND TO LOWER HALL POND	SANDWICH	0.279	MILES							ORW
2020/2022	NHRIV700010402-09	BEEBE RIVER	CAMPTON	1.501	MILES	Aquatic Life Integrity	Habitat Assessment (Streams)	4C-P				Non-ORW
2020/2022	NHRIV700010402-12	UNNAMED BROOK - TO BEEBE RIVER	CAMPTON	1.211	MILES	Primary Contact Recreation	Escherichia coli	4A-P	8/29/2011	58 NH BACTERIA IMPAIRED WATERS	40661	Non-ORW
2020/2022	NHRIV700010402-16	BEEBE RIVER - UNNAMED BROOK	SANDWICH	4.060	MILES							ORW
2020/2022	NHRIV700010403-01	BOG BROOK - AVERY BROOK - UNNAMED BROOK	RUMNEY, CAMPTON	12.331	MILES							Review OneStop GIS
2020/2022	NHRIV700010403-02	UNNAMED BROOK	CAMPTON	4.556	MILES							Review OneStop GIS
2020/2022	NHRIV700010403-03	BOG BROOK	CAMPTON	4.388	MILES	Aquatic Life Integrity	Aluminum	5-M				Non-ORW
2020/2022	NHRIV700010403-03	BOG BROOK	CAMPTON	4.388	MILES	Aquatic Life Integrity	Fishes Bioassessments (Streams)	5-P				Non-ORW
2020/2022	NHRIV700010403-06	PEMIGEWASSET RIVER	CAMPTON, HOLDERNESS, PLYMOUTH	5.125	MILES	Aquatic Life Integrity	pH	5-P				Non-ORW
2020/2022	NHRIV700010404-01	UNNAMED BROOK ALONG MEADOWVIEW DR	HOLDERNESS	6.298	MILES	Primary Contact Recreation	Escherichia coli	4A-M	9/30/2013	44 Bacteria Impaired Waters	55221	Non-ORW
2020/2022	NHRIV700010404-03	CLAY BROOK	PLYMOUTH, BRIDGEWATER	11.480	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV700010404-06	PEMIGEWASSET RIVER - SPRING BROOK	ASHLAND, HOLDERNESS, PLYMOUTH	4.437	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV700010501-12	UNNAMED BROOK - TO WHITE OAK POND THROUGH LAMB SWAMP	HOLDERNESS, CENTER HARBOR	1.748	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV700010501-13	VALLEY STREAM - TO WHITE OAK POND	HOLDERNESS	0.433	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV700010501-30	WHITE OAK POND-DUMP INLET	HOLDERNESS	0.364	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV700010502-01	OWL BROOK - CARR BROOK	HOLDERNESS, ASHLAND	13.824	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV700010502-02	UNNAMED BROOK - FROM LITTLE SQUAM TO SQUAM LAKE	HOLDERNESS	0.353	MILES	Fish Consumption	PCBS - FISH CONSUMPTION ADVISORY	5-M				Non-ORW
2020/2022	NHRIV700010502-06	SQUAM RIVER	ASHLAND	0.049	MILES	Aquatic Life Integrity	Non-Native Aquatic Plants	4C-M				Non-ORW
2020/2022	NHRIV700010502-08	SQUAM RIVER	ASHLAND	0.491	MILES	Aquatic Life Integrity	Benthic-Macroinvertebrate Bioassessments (Streams)	5-P				Non-ORW
2020/2022	NHRIV700010502-08	SQUAM RIVER	ASHLAND	0.491	MILES	Aquatic Life Integrity	Habitat Assessment (Streams)	4C-M				Non-ORW
2020/2022	NHRIV700010502-08	SQUAM RIVER	ASHLAND	0.491	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV700010502-09	SQUAM RIVER	ASHLAND, BRIDGEWATER, NEW HAMPTON	0.560	MILES	Aquatic Life Integrity	Benthic-Macroinvertebrate Bioassessments (Streams)	5-P				Non-ORW
2020/2022	NHRIV700010601-01	COCKERMOUTH RIVER - ATWELL BROOK - UNNAMED BROOK	GROTON, ALEXANDRIA, ORANGE	21.605	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV700010601-02	HARDY BROOK	GROTON, ALEXANDRIA, HEBRON	8.512	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV700010601-03	TRIB TO COCKERMOUTH RIVER	GROTON	7.490	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV700010601-05	COCKERMOUTH BROOK	HEBRON, GROTON	10.245	MILES	Aquatic Life Integrity	Dissolved oxygen saturation	5-P				Non-ORW
2020/2022	NHRIV700010601-05	COCKERMOUTH BROOK	HEBRON, GROTON	10.245	MILES	Aquatic Life Integrity	Oxygen, Dissolved	5-P				Non-ORW
2020/2022	NHRIV700010601-05	COCKERMOUTH BROOK	HEBRON, GROTON	10.245	MILES	Aquatic Life Integrity	pH	5-P				Non-ORW
2020/2022	NHRIV700010601-07	TANNERY BROOK	GROTON	0.398	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV700010602-01	BAILEY BROOK	ALEXANDRIA, ORANGE	12.317	MILES	Aquatic Life Integrity	pH	5-P				Non-ORW
2020/2022	NHRIV700010602-02	CHESLEY BROOK - TEMPLETON BROOK	ALEXANDRIA	6.418	MILES	Aquatic Life Integrity	pH	5-P				Non-ORW
2020/2022	NHRIV700010602-03	BROCK BROOK - TOWN BROOK	ALEXANDRIA, HEBRON	9.663	MILES	Aquatic Life Integrity	pH	5-P				Non-ORW
2020/2022	NHRIV700010602-05	FOWLER RIVER - UNNAMED BROOK	ALEXANDRIA	3.151	MILES	Aquatic Life Integrity	Aluminum	5-M				Non-ORW
2020/2022	NHRIV700010602-05	FOWLER RIVER - UNNAMED BROOK	ALEXANDRIA	3.151	MILES	Aquatic Life Integrity	Dissolved oxygen saturation	5-M				Non-ORW
2020/2022	NHRIV700010602-05	FOWLER RIVER - UNNAMED BROOK	ALEXANDRIA	3.151	MILES	Aquatic Life Integrity	pH	5-P				Non-ORW
2020/2022	NHRIV700010602-07	PATTEN BROOK - UNNAMED BROOK	ALEXANDRIA	3.470	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV700010602-09	BOG BROOK	ALEXANDRIA, BRISTOL	5.303	MILES	Aquatic Life Integrity	Aluminum	5-M				Non-ORW
2020/2022	NHRIV700010602-09	BOG BROOK	ALEXANDRIA, BRISTOL	5.303	MILES	Aquatic Life Integrity	Dissolved oxygen saturation	5-M				Non-ORW
2020/2022	NHRIV700010602-09	BOG BROOK	ALEXANDRIA, BRISTOL	5.303	MILES	Aquatic Life Integrity	Oxygen, Dissolved	5-M				Non-ORW
2020/2022	NHRIV700010602-09	BOG BROOK	ALEXANDRIA, BRISTOL	5.303	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV700010602-09	BOG BROOK	ALEXANDRIA, BRISTOL	5.303	MILES	Primary Contact Recreation	Escherichia coli	4A-M	9/21/2010	NEW HAMPSHIRE STATEWIDE BACTERIA	39272	Non-ORW
2020/2022	NHRIV700010603-01	CILLEY BROOK - FRETTS BROOK	HEBRON, PLYMOUTH	10.381	MILES	Aquatic Life Integrity	Dissolved oxygen saturation	5-P				Non-ORW
2020/2022	NHRIV700010603-01	CILLEY BROOK - FRETTS BROOK	HEBRON, PLYMOUTH	10.381	MILES	Aquatic Life Integrity	Oxygen, Dissolved	5-P				Non-ORW
2020/2022	NHRIV700010603-01	CILLEY BROOK - FRETTS BROOK	HEBRON, PLYMOUTH	10.381	MILES	Aquatic Life Integrity	pH	5-P				Non-ORW
2020/2022	NHRIV700010603-02	WHITTEMORE BROOK	PLYMOUTH, BRIDGEWATER, BRISTOL, HEBRON	4.781	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV700010603-04	DICK BROWN BROOK - UNNAMED BROOK	BRIDGEWATER, BRISTOL	6.189	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV700010603-08	BLACK BROOK	BRISTOL	0.654	MILES	Aquatic Life Integrity	Dissolved oxygen saturation	5-M				Non-ORW
2020/2022	NHRIV700010603-08	BLACK BROOK	BRISTOL	0.654	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV700010603-11	NEWFOUND RIVER	BRISTOL	1.859	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV700010603-16	CAMP ONAWAY BROOK	HEBRON	0.123	MILES	Aquatic Life Integrity	Dissolved oxygen saturation	5-M				Non-ORW
2020/2022	NHRIV700010603-16	CAMP ONAWAY BROOK	HEBRON	0.123	MILES	Aquatic Life Integrity	Oxygen, Dissolved	5-P				Non-ORW
2020/2022	NHRIV700010603-16	CAMP ONAWAY BROOK	HEBRON	0.123	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV700010603-17	POST OFFICE BROOK	HEBRON	0.195	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV700010603-18	NUTTINGS BEACH BROOK	HEBRON, ALEXANDRIA	0.194	MILES	Aquatic Life Integrity	Oxygen, Dissolved	5-M				Non-ORW
2020/2022	NHRIV700010603-18	NUTTINGS BEACH BROOK	HEBRON, ALEXANDRIA	0.194	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV700010603-19	KENDALL BROOK	HEBRON	0.597	MILES	Aquatic Life Integrity	Dissolved oxygen saturation	5-M				Non-ORW
2020/2022	NHRIV700010603-19	KENDALL BROOK	HEBRON	0.597	MILES	Aquatic Life Integrity	Oxygen, Dissolved	5-P				Non-ORW
2020/2022	NHRIV700010603-19	KENDALL BROOK	HEBRON	0.597	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV700010701-02	SMITH RIVER	GRAFTON	1.188	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV700010701-03	MANFELTREE BROOK	GRAFTON	1.387	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV700010701-17	UNNAMED BROOK - TO KILTON POND SOUTHWEST INLET	GRAFTON	0.422	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV700010702-02	WILD MEADOW BROOK	GRAFTON, ALEXANDRIA, DANBURY	12.854	MILES	Aquatic Life Integrity	Aluminum	5-M				Non-ORW
2020/2022	NHRIV700010702-02	WILD MEADOW BROOK	GRAFTON, ALEXANDRIA, DANBURY	12.854	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV700010702-22	SMITH RIVER	ALEXANDRIA, BRISTOL, DANBURY, HILL, NEW HAMPTON	8.637	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV700010801-22	PEMIGEWASSET RIVER	NEW HAMPTON, BRIDGEWATER, BRISTOL	4.230	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV700010801-23	PEMIGEWASSET RIVER	NEW HAMPTON, BRISTOL	1.140	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV700010802-02	HADLEY BROOK	SANBORNTON	2.882	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW

2020/2022	NHRIV700010802-07	SALMON BROOK - EMERSON BROOK	SANBORNTON	4.734	MILES	Primary Contact Recreation	Escherichia coli	3-ND	9/21/2010	NEW HAMPSHIRE STATEWIDE BACTERIA	39273	Non-ORW
2020/2022	NHRIV700010802-10	SALMON BROOK	SANBORNTON	2.191	MILES	Aquatic Life Integrity	Aluminum	5-M				Non-ORW
2020/2022	NHRIV700010802-10	SALMON BROOK	SANBORNTON	2.191	MILES	Aquatic Life Integrity	Fishes Bioassessments (Streams)	5-P				Non-ORW
2020/2022	NHRIV700010802-10	SALMON BROOK	SANBORNTON	2.191	MILES	Primary Contact Recreation	Escherichia coli	4A-P	8/29/2011	58 NH BACTERIA IMPAIRED WATERS	40661	Non-ORW
2020/2022	NHRIV700010803-07	WEEKS BROOK	SANBORNTON	5.492	MILES	Aquatic Life Integrity	Aluminum	5-M				Non-ORW
2020/2022	NHRIV700010803-07	WEEKS BROOK	SANBORNTON	5.492	MILES	Primary Contact Recreation	Escherichia coli	4A-M	9/21/2010	NEW HAMPSHIRE STATEWIDE BACTERIA	39273	Non-ORW
2020/2022	NHRIV700010803-13	PEMIGEWASSET RIVER	NEW HAMPTON, BRISTOL, FRANKLIN, HILL, SANBORNTON	9.836	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV700010804-03	TILTON BROOK	ANDOVER	1.165	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV700010804-04	SUCKER BROOK - UNNAMED BROOK	ANDOVER	2.141	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV700010804-05	SUCKER BROOK - UNNAMED BROOKS	ANDOVER	7.886	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV700010804-05	SUCKER BROOK - UNNAMED BROOKS	ANDOVER	7.886	MILES	Primary Contact Recreation	Escherichia coli	4A-P	9/21/2010	NEW HAMPSHIRE STATEWIDE BACTERIA	39272	Non-ORW
2020/2022	NHRIV700010804-07	SUCKER BROOK - UNNAMED BROOK	ANDOVER, FRANKLIN	5.097	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV700010804-07	SUCKER BROOK - UNNAMED BROOK	ANDOVER, FRANKLIN	5.097	MILES	Primary Contact Recreation	Escherichia coli	4A-P	9/21/2010	NEW HAMPSHIRE STATEWIDE BACTERIA	39272	Non-ORW
2020/2022	NHRIV700010804-08	BEAVER BROOK	FRANKLIN	2.105	MILES	Aquatic Life Integrity	pH	5-P				Non-ORW
2020/2022	NHRIV700010804-15	UNNAMED BROOK - TO WEBSTER LAKE	FRANKLIN, ANDOVER	1.335	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV700010804-18	LAKE AVE TRIB	FRANKLIN	0.154	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV700010804-18	LAKE AVE TRIB	FRANKLIN	0.154	MILES	Primary Contact Recreation	Escherichia coli	4A-M	9/30/2013	44 Bacteria Impaired Waters	55221	Non-ORW
2020/2022	NHRIV700020101-03	WILEY BROOK	WOLFEBORO	10.828	MILES	Aquatic Life Integrity	Aluminum	5-M				Non-ORW
2020/2022	NHRIV700020101-03	WILEY BROOK	WOLFEBORO	10.828	MILES	Aquatic Life Integrity	pH	5-P				Non-ORW
2020/2022	NHRIV700020101-19	SMITH RIVER	WOLFEBORO	0.165	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV700020101-21	SMITH RIVER	WOLFEBORO	0.018	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV700020101-22	NORTH INLET TO RUST POND	WOLFEBORO	0.619	MILES	Primary Contact Recreation	Escherichia coli	4A-M	9/21/2010	NEW HAMPSHIRE STATEWIDE BACTERIA	39272	Non-ORW
2020/2022	NHRIV700020101-34	BOULDER BROOK	WOLFEBORO	0.381	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV700020102-13	MERRYMEETING RIVER	ALTON	1.202	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV700020103-06	WEED BROOK	MOULTONBOROUGH, SANDWICH	11.425	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV700020103-08	WEED BROOK - UNNAMED BROOK	MOULTONBOROUGH, SANDWICH	11.555	MILES	Aquatic Life Integrity	Benthic-Macroinvertebrate Bioassessments (Streams)	5-P				Non-ORW
2020/2022	NHRIV700020103-09	HALFWAY BROOK	MOULTONBOROUGH	8.034	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV700020103-12	SHANNON BROOK - UNNAMED BROOK	MOULTONBOROUGH	13.214	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV700020103-12	SHANNON BROOK - UNNAMED BROOK	MOULTONBOROUGH	13.214	MILES	Primary Contact Recreation	Escherichia coli	4A-M	9/21/2010	NEW HAMPSHIRE STATEWIDE BACTERIA	39272	Non-ORW
2020/2022	NHRIV700020104-06	NINETEENMILE BROOK - WHITTEN BROOK	TUFTONBORO, WOLFEBORO	9.763	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV700020104-07	MELVIN RIVER DS OF MELVIN RIVER DAM POND	TUFTONBORO	0.109	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV700020104-08	WINGATE BROOK	TUFTONBORO	0.651	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV700020104-09	TWENTY MILE BROOK	TUFTONBORO	4.581	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV700020106-01	UNNAMED BROOK - FROM UNNAMED POND TO MIRROR LAKE	WOLFEBORO, TUFTONBORO	2.019	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV700020107-04	GUNSTOCK RIVER	GILFORD	13.910	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV700020107-08	UNNAMED BROOK TO SANDERS BAY	LACONIA	0.353	MILES	Aquatic Life Integrity	Oxygen, Dissolved	5-P				Non-ORW
2020/2022	NHRIV700020107-08	UNNAMED BROOK TO SANDERS BAY	LACONIA	0.353	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV700020108-01	UNNAMED BROOK - TO WINONA LAKE - NORTH INLET	ASHLAND, CENTER HARBOR, NEW HAMPTON	1.528	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV700020108-01	UNNAMED BROOK - TO WINONA LAKE - NORTH INLET	ASHLAND, CENTER HARBOR, NEW HAMPTON	1.528	MILES	Primary Contact Recreation	Escherichia coli	3-PNS	9/21/2010	NEW HAMPSHIRE STATEWIDE BACTERIA	39268	Non-ORW
2020/2022	NHRIV700020108-05	SNAKE RIVER - TO LAKE WAUKEWAN	CENTER HARBOR, NEW HAMPTON	1.088	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV700020108-07	BEAR POND BROOK	CENTER HARBOR	0.201	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV700020108-14	HEIGHTS BROOK INLET TO WINONA LAKE	NEW HAMPTON	0.128	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV700020109-01	HAWKINS BROOK - TO PRESCOTT PARK DAM	MEREDITH, CENTER HARBOR	2.546	MILES	Aquatic Life Integrity	Oxygen, Dissolved	5-P				Non-ORW
2020/2022	NHRIV700020109-01	HAWKINS BROOK - TO PRESCOTT PARK DAM	MEREDITH, CENTER HARBOR	2.546	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV700020109-02	HAWKINS BROOK - TO MERIDETH BAY	MEREDITH	0.767	MILES	Aquatic Life Integrity	Dissolved oxygen saturation	5-M				Non-ORW
2020/2022	NHRIV700020109-02	HAWKINS BROOK - TO MERIDETH BAY	MEREDITH	0.767	MILES	Aquatic Life Integrity	Oxygen, Dissolved	5-P				Non-ORW
2020/2022	NHRIV700020109-02	HAWKINS BROOK - TO MERIDETH BAY	MEREDITH	0.767	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV700020109-06	LAKE WAUKEWAN OULTET BROOK	MEREDITH	0.199	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV700020110-01	FOOTE POND BROOK - TO PICKEREL COVE PAUGUS BAY	LACONIA, MEREDITH	2.307	MILES	Aquatic Life Integrity	Dissolved oxygen saturation	5-P				Non-ORW
2020/2022	NHRIV700020110-01	FOOTE POND BROOK - TO PICKEREL COVE PAUGUS BAY	LACONIA, MEREDITH	2.307	MILES	Aquatic Life Integrity	Oxygen, Dissolved	5-P				Non-ORW
2020/2022	NHRIV700020110-01	FOOTE POND BROOK - TO PICKEREL COVE PAUGUS BAY	LACONIA, MEREDITH	2.307	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV700020110-02	BLACK BROOK	GILFORD, LACONIA	1.613	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV700020110-04	LANGLEY BROOK	LACONIA	1.427	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV700020110-07	INLET TO PAUGUS BAY THROUGH SOUTH DOWN	LACONIA	0.240	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV700020201-03	DOLLOFF BROOK - UNNAMED BROOK	MEREDITH, NEW HAMPTON	3.162	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV700020201-08	WICKWAS LAKE OUTLET STREAM	MEREDITH	1.171	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV700020201-16	JEWETT BROOK	GILFORD, LACONIA	5.676	MILES	Aquatic Life Integrity	Benthic-Macroinvertebrate Bioassessments (Streams)	5-P				Non-ORW
2020/2022	NHRIV700020201-16	JEWETT BROOK	GILFORD, LACONIA	5.676	MILES	Primary Contact Recreation	Escherichia coli	4A-P	9/30/2015	Jewett Brook, Locke Lake, Great Pond	64643	Non-ORW
2020/2022	NHRIV700020201-20	GOVERNORS PARK STREAM	LACONIA	0.741	MILES	Primary Contact Recreation	Escherichia coli	4A-P	9/21/2010	NEW HAMPSHIRE STATEWIDE BACTERIA	39272	Non-ORW
2020/2022	NHRIV700020201-22	HUEBER BROOK	BELMONT	0.451	MILES	Aquatic Life Integrity	Sedimentation/Siltation	5-P				Non-ORW
2020/2022	NHRIV700020201-22	HUEBER BROOK	BELMONT	0.451	MILES	Aquatic Life Integrity	Turbidity	5-P				Non-ORW
2020/2022	NHRIV700020202-11	BADGER BROOK	GILMANTON	0.695	MILES	Primary Contact Recreation	Escherichia coli	4A-M	9/30/2013	44 Bacteria Impaired Waters	55221	Non-ORW
2020/2022	NHRIV700020202-18	NORTHERN INLET TO SAWYER LAKE	GILMANTON	0.824	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV700020202-18	NORTHERN INLET TO SAWYER LAKE	GILMANTON	0.824	MILES	Primary Contact Recreation	Escherichia coli	4A-M	9/30/2013	44 Bacteria Impaired Waters	55221	Non-ORW
2020/2022	NHRIV700020203-10-01	WILLIAMS BROOK	NORTHFIELD	0.129	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV700020203-10-02	WILLIAMS BROOK	NORTHFIELD, TILTON	8.037	MILES	Aquatic Life Integrity	Iron	4A-M	9/24/2002	WILLIAMS BROOK	9802	Non-ORW
2020/2022	NHRIV700020203-10-02	WILLIAMS BROOK	NORTHFIELD, TILTON	8.037	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV700020203-11	WINNIPESAUKEE RIVER	TILTON, NORTHFIELD	1.527	MILES	Aquatic Life Integrity	Non-Native Aquatic Plants	4C-M				Non-ORW
2020/2022	NHRIV700020203-24	KNOWLES POND-NORTHERN INLET	NORTHFIELD	0.245	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV700030101-02	JOWDER COVE BROOK - TO CONTOOCOOK LAKE	RINDGE	1.726	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV700030101-05	TOWNLINE INLET TO CONTOOCOOK LAKE	JAFFREY	1.271	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV700030101-08	WALSH BROOK - TO CONTOOCOOK	RINDGE	0.464	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV700030101-09	UNNAMED BROOK - TO MOUNTAIN BROOK RESERVOIR	JAFFREY	2.676	MILES	Aquatic Life Integrity	pH	5-P				Non-ORW
2020/2022	NHRIV700030101-10	MEAD BROOK - UNNAMED BROOK	JAFFREY	4.755	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV700030101-11	CONTOOCOOK RIVER - UNNAMED BROOK	JAFFREY	0.669	MILES	Aquatic Life Integrity	Dissolved oxygen saturation	5-P				Non-ORW
2020/2022	NHRIV700030101-11	CONTOOCOOK RIVER - UNNAMED BROOK	JAFFREY	0.669	MILES	Aquatic Life Integrity	Non-Native Aquatic Plants	4C-M				Non-ORW
2020/2022	NHRIV700030101-11	CONTOOCOOK RIVER - UNNAMED BROOK	JAFFREY	0.669	MILES	Aquatic Life Integrity	Oxygen, Dissolved	5-P				Non-ORW
2020/2022	NHRIV700030101-11	CONTOOCOOK RIVER - UNNAMED BROOK	JAFFREY	0.669	MILES	Aquatic Life Integrity	pH	5-P				Non-ORW
2020/2022	NHRIV700030101-15	CONTOOCOOK RIVER - UNNAMED BROOK	JAFFREY	1.299	MILES	Aquatic Life Integrity	Aluminum	5-M				Non-ORW
2020/2022	NHRIV700030101-15	CONTOOCOOK RIVER - UNNAMED BROOK	JAFFREY	1.299	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV700030101-16	CONTOOCOOK RIVER - UNNAMED BROOK	JAFFREY	1.981	MILES	Aquatic Life Integrity	Benthic-Macroinvertebrate Bioassessments (Streams)	5-P				Non-ORW
2020/2022	NHRIV700030101-16	CONTOOCOOK RIVER - UNNAMED BROOK	JAFFREY	1.981	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV700030101-16	CONTOOCOOK RIVER - UNNAMED BROOK	JAFFREY	1.981	MILES	Primary Contact Recreation	Escherichia coli	4A-M	9/21/2010	NEW HAMPSHIRE STATEWIDE BACTERIA	39272	Non-ORW

2020/2022	NHRIV700030101-19	POOL POND-MOUNTAIN RD INLET	RINDGE	0.598	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV700030101-21	CONTOOCOOK LAKE-COCHRANE INLET W	RINDGE	0.407	MILES	Aquatic Life Integrity	pH	5-P				Non-ORW
2020/2022	NHRIV700030101-22	UNNAMED BROOK - TO HODGE POND	JAFFREY	1.122	MILES	Aquatic Life Integrity	pH	5-P				Non-ORW
2020/2022	NHRIV700030101-23	POOL POND-OLD FORGE INLET	RINDGE	0.144	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV700030101-24	CONTOOCOOK LAKE-TAFT INLET	JAFFREY	0.318	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV700030101-35	STONY BROOK - UNNAMED BROOK	JAFFREY	2.587	MILES	Aquatic Life Integrity	pH	5-P				Non-ORW
2020/2022	NHRIV700030101-37	SUNSET LANE BROOK	JAFFREY	0.343	MILES	Primary Contact Recreation	Escherichia coli	4A-P	9/30/2013	44 Bacteria Impaired Waters	55221	Non-ORW
2020/2022	NHRIV700030101-40	CONTOOCOOK LAKE-SQUANTUM INLET	JAFFREY	0.775	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV700030101-41	CONTOOCOOK LAKE-COCHRANE INLET E	RINDGE	0.388	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV700030101-48	CONTOOCOOK RIVER TRIB	JAFFREY	0.541	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV700030101-49	POOL POND-OUTLET	RINDGE	0.053	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV700030102-02	UNNAMED BROOK - TO NORTHWEST INLET OF THORDIKE POND	DUBLIN, JAFFREY	5.336	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV700030102-04	UNNAMED BROOK - TO SOUTHWEST INLET OF THORNDIKE POND	JAFFREY	0.553	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV700030102-05	STANLEY BROOK	DUBLIN, JAFFREY	0.660	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV700030103-02	STORY BROOK - TO NABANUSIT LAKE	NELSON	0.997	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV700030103-03	SHADRACH POND BROOK - TO NUBANUSIT LAKE	HANCOCK	0.317	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV700030103-04	BRICKYARD BROOK	NELSON, HARRISVILLE	7.580	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV700030103-06	NUBANUSIT BROOK	HARRISVILLE	2.251	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV700030103-12	NUBANUSIT BROOK - UNNAMED BROOK	PETERBOROUGH, HANCOCK	4.050	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV700030103-23	NUBANUSIT BROOK	HARRISVILLE	0.094	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV700030103-24	GOOSE BROOK	HARRISVILLE	1.716	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV700030103-25	HARRISVILLE POND-NELSON RD INLET	HARRISVILLE	0.674	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV700030103-26	CEMETARY BROOK	HARRISVILLE	0.292	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV700030103-27	HARRISVILLE POND-JANE DUNN INLET	HARRISVILLE	0.983	MILES	Aquatic Life Integrity	pH	5-P				Non-ORW
2020/2022	NHRIV700030103-28	UNNAMED BROOK - TO TOLMAN POND NORTH INLET	NELSON	0.094	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV700030103-31	NORTH BROOK	HARRISVILLE	0.716	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV700030103-32	SPRING BROOK	HARRISVILLE	0.203	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV700030104-02	GRIDLEY RIVER	NEW IPSWICH, SHARON, TEMPLE	5.750	MILES	Aquatic Life Integrity	Dissolved oxygen saturation	5-P				Non-ORW
2020/2022	NHRIV700030104-02	GRIDLEY RIVER	NEW IPSWICH, SHARON, TEMPLE	5.750	MILES	Aquatic Life Integrity	Oxygen, Dissolved	5-P				Non-ORW
2020/2022	NHRIV700030104-02	GRIDLEY RIVER	NEW IPSWICH, SHARON, TEMPLE	5.750	MILES	Aquatic Life Integrity	pH	5-P				Non-ORW
2020/2022	NHRIV700030104-07-02	MEADOW BROOK	SHARON, PETERBOROUGH	4.959	MILES	Aquatic Life Integrity	pH	5-P				Non-ORW
2020/2022	NHRIV700030104-17	CONTOOCOOK RIVER - NORTH VILLAGE DAM TO US OF PETERBOROUGH WWTF	PETERBOROUGH	1.147	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV700030104-17	CONTOOCOOK RIVER - NORTH VILLAGE DAM TO US OF PETERBOROUGH WWTF	PETERBOROUGH	1.147	MILES	Primary Contact Recreation	Escherichia coli	4A-M	9/21/2010	NEW HAMPSHIRE STATEWIDE BACTERIA	39273	Non-ORW
2020/2022	NHRIV700030104-29	GRIDLEY RIVER - UNNAMED BROOK	SHARON, NEW IPSWICH, PETERBOROUGH	6.737	MILES	Aquatic Life Integrity	Oxygen, Dissolved	5-P				Non-ORW
2020/2022	NHRIV700030104-29	GRIDLEY RIVER - UNNAMED BROOK	SHARON, NEW IPSWICH, PETERBOROUGH	6.737	MILES	Aquatic Life Integrity	pH	5-P				Non-ORW
2020/2022	NHRIV700030105-01	UNNAMED BROOK - FROM SUNSET LAKE TO OTTER LAKE	GREENFIELD	2.937	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV700030106-08	CONTOOCOOK RIVER - OTTER BK TO POWDER MILL POND	PETERBOROUGH, GREENFIELD, HANCOCK	2.913	MILES	Aquatic Life Integrity	Aluminum	5-M				Non-ORW
2020/2022	NHRIV700030106-08	CONTOOCOOK RIVER - OTTER BK TO POWDER MILL POND	PETERBOROUGH, GREENFIELD, HANCOCK	2.913	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV700030106-08	CONTOOCOOK RIVER - OTTER BK TO POWDER MILL POND	PETERBOROUGH, GREENFIELD, HANCOCK	2.913	MILES	Primary Contact Recreation	Escherichia coli	4A-P	9/21/2010	NEW HAMPSHIRE STATEWIDE BACTERIA	39273	Non-ORW
2020/2022	NHRIV700030107-05	MOOSE BROOK	HANCOCK	1.804	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV700030107-07	MOOSE BROOK - UNNAMED BROOK	HANCOCK	7.744	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV700030107-07	MOOSE BROOK - UNNAMED BROOK	HANCOCK	7.744	MILES	Primary Contact Recreation	Escherichia coli	3-PNS	9/21/2010	NEW HAMPSHIRE STATEWIDE BACTERIA	39273	Non-ORW
2020/2022	NHRIV700030108-05	CONTOOCOOK RIVER - PAPER MILL DAM TO US OF MONADANOCK PAPER NPDES	BENNINGTON	1.036	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV700030108-07	HATTIE BROWN BROOK - TO GREGG LAKE	ANTRIM	4.301	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV700030108-08	GREAT BROOK	ANTRIM	0.378	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV700030108-15	CONTOOCOOK RIVER - MONADANOCK PAPER NPDES TO US OF ANTRIM WWTF	BENNINGTON, ANTRIM	2.232	MILES	Aquatic Life Integrity	Dissolved oxygen saturation	5-P				Non-ORW
2020/2022	NHRIV700030108-15	CONTOOCOOK RIVER - MONADANOCK PAPER NPDES TO US OF ANTRIM WWTF	BENNINGTON, ANTRIM	2.232	MILES	Aquatic Life Integrity	Oxygen, Dissolved	5-P				Non-ORW
2020/2022	NHRIV700030108-15	CONTOOCOOK RIVER - MONADANOCK PAPER NPDES TO US OF ANTRIM WWTF	BENNINGTON, ANTRIM	2.232	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV700030108-23	CONTOOCOOK RIVER - 3000 FT DS OF ANTRIM WWTF TO NORTH BRANCH	DEERING, ANTRIM, BENNINGTON, HILLSBOROUGH	8.165	MILES	Aquatic Life Integrity	Oxygen, Dissolved	5-P				Non-ORW
2020/2022	NHRIV700030108-23	CONTOOCOOK RIVER - 3000 FT DS OF ANTRIM WWTF TO NORTH BRANCH	DEERING, ANTRIM, BENNINGTON, HILLSBOROUGH	8.165	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV700030201-03	BOG BROOK	WASHINGTON	7.266	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV700030201-04	BOG BROOK	WASHINGTON	1.499	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV700030201-09	BOG BROOK	WASHINGTON	7.425	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV700030201-12	BARDEN POND BROOK - TO HIGHLAND LAKE	WASHINGTON	0.204	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV700030201-16	PICKEREL CREEK	STODDARD	1.145	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV700030201-17	CARR BROOK	STODDARD	3.311	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV700030201-22	RICE BROOK - UNNAMED TRIBUTARY - TO HIGHLAND LAKE	STODDARD	0.551	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV700030201-23	KENNEDY BROOK	STODDARD	7.113	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV700030201-25	DECUL BROOK	STODDARD	10.514	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV700030201-28	UNNAMED BROOK	WASHINGTON	0.226	MILES							Review OneStop GIS
2020/2022	NHRIV700030202-01	NORTH BRANCH CONTOOCOOK RIVER - FROM HIGHLAND LAKE TO ISLAND POND	STODDARD	0.138	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV700030202-06	NORTH BRANCH - BAILEY BROOK	NELSON, STODDARD	8.992	MILES	Aquatic Life Integrity	Aluminum	5-M				Non-ORW
2020/2022	NHRIV700030202-06	NORTH BRANCH - BAILEY BROOK	NELSON, STODDARD	8.992	MILES	Aquatic Life Integrity	Oxygen, Dissolved	5-P				Non-ORW
2020/2022	NHRIV700030202-06	NORTH BRANCH - BAILEY BROOK	NELSON, STODDARD	8.992	MILES	Aquatic Life Integrity	pH	5-P				Non-ORW
2020/2022	NHRIV700030202-13	NORTH BRANCH RIVER - UNNAMED BROOK	STODDARD	2.527	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV700030202-14	NORTH BRANCH RIVER - MORSE BROOK - UNNAMED BROOK	STODDARD, ANTRIM	10.399	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV700030202-17	NORTH BRANCH - LOVERIN DAM TO INTERLOCKEN DAM	ANTRIM, WINDSOR	6.194	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV700030202-18	NORTH BRANCH - INTERLOCKEN DAM TO STEELS PD	ANTRIM	2.019	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV700030202-22	NORTH BRANCH RIVER	ANTRIM	0.363	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV700030202-24	NORTH BRANCH - JACKMAN RES TO BEARDS BK	HILLSBOROUGH	3.512	MILES	Aquatic Life Integrity	Other flow regime alterations	4C-P				Non-ORW
2020/2022	NHRIV700030204-03	WOODWARD BROOK	WASHINGTON, BRADFORD	4.419	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW

2020/2022	NHRIV700030204-04	BEARD BROOK - UNNAMED BROOK	WASHINGTON	0.562	MILES	Aquatic Life Integrity	pH	5-P				Non-ORW
2020/2022	NHRIV700030204-04	BEARD BROOK - UNNAMED BROOK	WASHINGTON	0.562	MILES	Primary Contact Recreation	Escherichia coli	3-PNS	9/21/2010	NEW HAMPSHIRE STATEWIDE BACTERIA	39273	Non-ORW
2020/2022	NHRIV700030204-05	JOURNEYS END BROOK - TO ISLAND POND	WASHINGTON	0.952	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV700030204-06	BEARDS BROOK	WASHINGTON	0.807	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV700030204-12	BRANCH BEARDS BROOK - TO CONTENTION POND	HILLSBOROUGH, BRADFORD	3.338	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV700030204-15-02	BEARDS BROOK - TOWN BEACH	HILLSBOROUGH	0.020	MILES	Primary Contact Recreation	Escherichia coli	4A-P	9/21/2010	NEW HAMPSHIRE STATEWIDE BACTERIA	39276	Non-ORW
2020/2022	NHRIV700030204-16	NORTH BRANCH - BEARDS BK TO CONTOOCOOK R	HILLSBOROUGH	1.368	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV700030204-20	UNNAMED BROOK - LOON POND OUTLET TO CONTENTION PONDS SOUTH INLET	HILLSBOROUGH	0.570	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV700030301-02	ANDREW BROOK - UNNAMED BROOK	NEWBURY	10.865	MILES	Aquatic Life Integrity	pH	5-P				Non-ORW
2020/2022	NHRIV700030301-04	ANDREW BROOK - RING BROOK	NEWBURY	10.584	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV700030301-08	ANDREW BROOK	BRADFORD	0.217	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV700030301-11	UNNAMED BROOK - TO TODD LAKE THROGUH GILLINGHAM DRIVE INLET	NEWBURY	0.158	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV700030302-07	MOUNTAIN INN BROOK	BRADFORD	0.537	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV700030302-08	DAVIS BROOK	BRADFORD, WARNER	1.051	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV700030302-08	DAVIS BROOK	BRADFORD, WARNER	1.051	MILES	Primary Contact Recreation	Escherichia coli	4A-M	8/29/2011	58 NH BACTERIA IMPAIRED WATERS	40661	Non-ORW
2020/2022	NHRIV700030302-11	BILLINGS POND BROOK - TO BLAISDELL LAKE	SUTTON	0.066	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV700030302-12	WARNER RIVER - WEST BRANCH WARNER RIVER	BRADFORD, NEWBURY, SUTTON, WARNER	8.748	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV700030302-16	HOWLETT BROOK	BRADFORD	2.930	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV700030302-18	MASSASECUM CASINO BROOK	BRADFORD	0.423	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV700030303-02	UNNAMED BROOK - FROM MESSER POND TO CLARK POND	NEW LONDON	0.502	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV700030303-03	LION BROOK	SUTTON, NEW LONDON	1.918	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV700030303-11	NUTTER BROOK	NEW LONDON	0.625	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV700030303-12	BROWN BROOK	NEW LONDON	0.493	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV700030303-13	MESSER POND-COUNTY RD INLET	NEW LONDON	0.308	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV700030303-14	LION BROOK - UNNAMED BROOK	NEW LONDON, SUTTON	3.744	MILES	Aquatic Life Integrity	pH	5-P				Non-ORW
2020/2022	NHRIV700030304-14	WARNER RIVER	WARNER	3.027	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV700030304-16	WARNER RIVER	WARNER	0.681	MILES	Aquatic Life Integrity	Phosphorus (Total)	4B-T				Non-ORW
2020/2022	NHRIV700030304-19	KNIGHT MEADOW BROOK - UNNAMED BROOK	WEBSTER, SALISBURY, WARNER	4.611	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV700030304-21	SCHOODAC BROOK - FRAZIER BROOK - KNIGHT MEADOW BROOK - UNNAMED BROOK	WARNER, WEBSTER	11.556	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV700030304-22	TOM POND BROOK - TO WARNER RIVER	WARNER	0.165	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV700030304-24	WARNER RIVER	WARNER, HOPKINTON, WEBSTER	7.653	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV700030304-25	UNNAMED BROOK - TO TUCKER POND FROM NORTHEAST INLET	SALISBURY	0.160	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV700030304-27	DEAD MANS BROOK - TO TUCKER POND	SALISBURY	0.427	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV700030304-31	PLEASANT POND BROOK - TO TOM POND	WARNER	0.445	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV700030304-31	PLEASANT POND BROOK - TO TOM POND	WARNER	0.445	MILES	Primary Contact Recreation	Escherichia coli	4A-M	8/29/2011	58 NH BACTERIA IMPAIRED WATERS	40661	Non-ORW
2020/2022	NHRIV700030401-05	BLACKWATER RIVER - BEVERLY BROOK	DANBURY	6.633	MILES	Aquatic Life Integrity	Iron	4B-M				Non-ORW
2020/2022	NHRIV700030402-01	GREAT BROOK - LITTLE BROOK - UNNAMED BROOK	NEW LONDON, SPRINGFIELD, WILMOT	10.396	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV700030402-04	CASCADE BROOK	NEW LONDON	0.055	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV700030402-17	UNNAMED BROOK - TO PLEASANT LAKE FROM SOUTHEAST INLET	NEW LONDON	0.406	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV700030402-18	WHITE BROOK	NEW LONDON	1.007	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV700030402-19	RED BROOK	NEW LONDON	1.248	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV700030403-04	RAGGED MOUNTAIN BROOK - TO COLD POND	ANDOVER, DANBURY	1.480	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV700030403-05	UNNAMED BROOK - TO BLACKWATER RIVER FROM COLD POND	ANDOVER	2.317	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV700030403-09	BRADLEY BROOK - UNNAMED BROOK	WARNER, ANDOVER, SALISBURY	8.748	MILES	Aquatic Life Integrity	Benthic-Macroinvertebrate Bioassessments (Streams)	5-M				Non-ORW
2020/2022	NHRIV700030403-09	BRADLEY BROOK - UNNAMED BROOK	WARNER, ANDOVER, SALISBURY	8.748	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV700030403-10	HAMESHOP BROOK	ANDOVER	0.706	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV700030403-17	BLACKWATER RIVER	SALISBURY	4.634	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV700030403-17	BLACKWATER RIVER	SALISBURY	4.634	MILES	Primary Contact Recreation	Escherichia coli	4A-M	9/30/2013	44 Bacteria Impaired Waters	55223	Non-ORW
2020/2022	NHRIV700030404-03	BLACKWATER RIVER	WEBSTER, SALISBURY	7.847	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV700030404-05	BLACKWATER RIVER	WEBSTER	4.048	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV700030404-08	BLACKWATER RIVER	WEBSTER, HOPKINTON	5.903	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV700030501-02-02	SAND BROOK	HILLSBOROUGH	3.423	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV700030501-16	BEAVER GLEN BROOK	HILLSBOROUGH	0.540	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV700030502-10	AMEY BROOK	HENNIKER	3.916	MILES	Aquatic Life Integrity	Habitat Assessment (Streams)	4C-P				Non-ORW
2020/2022	NHRIV700030504-07	FRENCH POND BROOK - TO KEYSAR POND	HENNIKER	0.820	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV700030504-10	CONTOOCOOK RIVER - SAND BROOK - UNNAMED BROOK	HILLSBOROUGH, HENNIKER	6.559	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV700030504-11	CONTOOCOOK RIVER	HENNIKER	2.719	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV700030504-14	FRENCH BROOK	HENNIKER	0.208	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV700030504-14	FRENCH BROOK	HENNIKER	0.208	MILES	Primary Contact Recreation	Escherichia coli	4A-P	8/29/2011	58 NH BACTERIA IMPAIRED WATERS	40661	Non-ORW
2020/2022	NHRIV700030504-15	COW BROOK - TO FRENCH POND	HENNIKER	0.509	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV700030504-16	LAUNCH BROOK - TO FRENCH POND	HENNIKER	0.286	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV700030505-01	HARDY SPRING BROOK - FROM CARR POND TO CLEMENT POND	HOPKINTON	0.159	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV700030505-05	CONTOOCOOK RIVER	HOPKINTON	1.033	MILES	Aquatic Life Integrity	Copper	5-P				Non-ORW
2020/2022	NHRIV700030505-05	CONTOOCOOK RIVER	HOPKINTON	1.033	MILES	Aquatic Life Integrity	Lead	5-P				Non-ORW
2020/2022	NHRIV700030505-05	CONTOOCOOK RIVER	HOPKINTON	1.033	MILES	Aquatic Life Integrity	Mercury	5-P				Non-ORW
2020/2022	NHRIV700030505-05	CONTOOCOOK RIVER	HOPKINTON	1.033	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV700030505-05	CONTOOCOOK RIVER	HOPKINTON	1.033	MILES	Aquatic Life Integrity	Zinc	5-M				Non-ORW
2020/2022	NHRIV700030505-09	CONTOOCOOK RIVER - VILLAGE DAM TO 3000 FT DS OF HOPKINTON WWTF	HOPKINTON	0.828	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV700030505-10	CONTOOCOOK RIVER - 3000 FT DS OF HOPKINTON WWTF TO BLACKWATER RIVER	HOPKINTON	3.163	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV700030506-03	DEER MEADOW BROOK - POND BROOK	BOSCAWEN, WEBSTER	3.120	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV700030506-04	DEER MEADOW BROOK - LITTLE POND BROOK - UNNAMED BROOK	WEBSTER, BOSCAWEN, HOPKINTON	7.486	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV700030506-06	UNNAMED BROOK - TO WALKER POND FROM NORTHEAST INLET	BOSCAWEN	0.645	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV700040301-03	WALKER BROOK	GREENVILLE, MASON	2.952	MILES	Primary Contact Recreation	Escherichia coli	4A-M	8/29/2011	58 NH BACTERIA IMPAIRED WATERS	40661	Non-ORW
2020/2022	NHRIV700040301-05	SQUANNACOOK RIVER - WALKER BROOK	MASON, GREENVILLE, NEW IPSWICH	6.471	MILES	Primary Contact Recreation	Escherichia coli	4A-M	9/30/2013	44 Bacteria Impaired Waters	55221	Non-ORW

2020/2022	NHRIV700040401-04	SCAB MILL BROOK - UNNAMED BROOK	BROOKLINE, MILFORD	8.510	MILES	Aquatic Life Integrity	Aluminum	5-M				Non-ORW
2020/2022	NHRIV700040401-04	SCAB MILL BROOK - UNNAMED BROOK	BROOKLINE, MILFORD	8.510	MILES	Aquatic Life Integrity	Oxygen, Dissolved	5-M				Non-ORW
2020/2022	NHRIV700040401-04	SCAB MILL BROOK - UNNAMED BROOK	BROOKLINE, MILFORD	8.510	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV700040401-05	SPAULDING BROOK - UNNAMED BROOKS	BROOKLINE, MILFORD	7.553	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV700040401-06	LANCY BROOK - GOULD MILL BROOK	MASON, BROOKLINE	12.047	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV700040401-18	ROCKY POND BROOK	BROOKLINE, HOLLIS	3.547	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV700040401-20	GULF BROOK - NISSITISSIT RIVER - ROCKY POND BROOK	BROOKLINE, HOLLIS	6.554	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV700040402-03	FLINTS BROOK	HOLLIS	6.577	MILES	Aquatic Life Integrity	Oxygen, Dissolved	5-P				Non-ORW
2020/2022	NHRIV700040402-03	FLINTS BROOK	HOLLIS	6.577	MILES	Primary Contact Recreation	Escherichia coli	4A-M	9/30/2013	44 Bacteria Impaired Waters	55220	Non-ORW
2020/2022	NHRIV700040402-05	NASHUA RIVER	HOLLIS, NASHUA	4.948	MILES	Aquatic Life Integrity	Dissolved oxygen saturation	5-P				Non-ORW
2020/2022	NHRIV700040402-05	NASHUA RIVER	HOLLIS, NASHUA	4.948	MILES	Aquatic Life Integrity	Non-Native Aquatic Plants	4C-P				Non-ORW
2020/2022	NHRIV700040402-05	NASHUA RIVER	HOLLIS, NASHUA	4.948	MILES	Aquatic Life Integrity	Oxygen, Dissolved	5-P				Non-ORW
2020/2022	NHRIV700040402-05	NASHUA RIVER	HOLLIS, NASHUA	4.948	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV700040402-08	NASHUA RIVER	NASHUA	3.704	MILES	Aquatic Life Integrity	Non-Native Aquatic Plants	4C-P				Non-ORW
2020/2022	NHRIV700040402-08	NASHUA RIVER	NASHUA	3.704	MILES	Primary Contact Recreation	Escherichia coli	4A-P	9/21/2010	NEW HAMPSHIRE STATEWIDE BACTERIA	39274	Non-ORW
2020/2022	NHRIV700040402-09	NASHUA RIVER	NASHUA	1.243	MILES	Aquatic Life Integrity	Non-Native Aquatic Plants	4C-P				Non-ORW
2020/2022	NHRIV700040402-09	NASHUA RIVER	NASHUA	1.243	MILES	Primary Contact Recreation	Escherichia coli	4A-P	9/21/2010	NEW HAMPSHIRE STATEWIDE BACTERIA	39274	Non-ORW
2020/2022	NHRIV700060101-10	CROSS BROOK - STIRRUP IRON BROOK	NORTHFIELD	5.618	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV700060101-11	STIRRUP IRON BROOK - ALLEN BROOK	FRANKLIN, BOSCAWEN, SALISBURY	4.517	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV700060102-07	TANNERY BROOK - COLD BROOK	BOSCAWEN, CANTERBURY	5.341	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV700060102-07	TANNERY BROOK - COLD BROOK	BOSCAWEN, CANTERBURY	5.341	MILES	Primary Contact Recreation	Escherichia coli	4A-P	9/21/2010	NEW HAMPSHIRE STATEWIDE BACTERIA	39273	Non-ORW
2020/2022	NHRIV700060102-09	BRYANT BROOK	CANTERBURY, NORTHFIELD	9.204	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV700060201-01	HUCKINS BROOK	GILMANTON	2.111	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV700060201-07	SOUCOOK RIVER	LOUDON, CANTERBURY	4.304	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV700060201-08	SOUCOOK RIVER - BUMFAGON BROOK	LOUDON	11.497	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV700060201-09	GUES MEADOW BROOK	CANTERBURY, LOUDON	4.083	MILES	Aquatic Life Integrity	Benthic-Macroinvertebrate Bioassessments (Streams)	5-M				Non-ORW
2020/2022	NHRIV700060201-09	GUES MEADOW BROOK	CANTERBURY, LOUDON	4.083	MILES	Aquatic Life Integrity	pH	5-P				Non-ORW
2020/2022	NHRIV700060201-09	GUES MEADOW BROOK	CANTERBURY, LOUDON	4.083	MILES	Primary Contact Recreation	Escherichia coli	4A-P	9/21/2010	NEW HAMPSHIRE STATEWIDE BACTERIA	39273	Non-ORW
2020/2022	NHRIV700060201-10	GUES MEADOW BROOK	LOUDON	1.313	MILES	Aquatic Life Integrity	Benthic-Macroinvertebrate Bioassessments (Streams)	5-P				Non-ORW
2020/2022	NHRIV700060201-10	GUES MEADOW BROOK	LOUDON	1.313	MILES	Aquatic Life Integrity	Habitat Assessment (Streams)	4C-M				Non-ORW
2020/2022	NHRIV700060201-10	GUES MEADOW BROOK	LOUDON	1.313	MILES	Aquatic Life Integrity	pH	5-P				Non-ORW
2020/2022	NHRIV700060201-10	GUES MEADOW BROOK	LOUDON	1.313	MILES	Primary Contact Recreation	Escherichia coli	4A-M	9/21/2010	NEW HAMPSHIRE STATEWIDE BACTERIA	39273	Non-ORW
2020/2022	NHRIV700060201-14	GARDNER BROOK - TO LOON POND THROUGH LOON POND BEACH	GILMANTON	0.963	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV700060201-15	VARNEY BROOK	GILMANTON	0.353	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV700060201-17	UNNAMED BROOK - TO NEW POND FRON NORTH INLET	CANTERBURY	0.258	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV700060201-18	BERTRAND BROOK	GILMANTON	0.585	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV700060201-19	BURTRAND BROOK - TO LOON POND	GILMANTON	0.228	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV700060202-02	PICKARD BROOK - UNNAMED BROOK	CANTERBURY, LOUDON, NORTHFIELD	12.008	MILES	Aquatic Life Integrity	pH	5-P				Non-ORW
2020/2022	NHRIV700060202-09	SHAKER BRANCH	LOUDON	2.067	MILES	Aquatic Life Integrity	Aluminum	5-M				Non-ORW
2020/2022	NHRIV700060202-09	SHAKER BRANCH	LOUDON	2.067	MILES	Aquatic Life Integrity	Benthic-Macroinvertebrate Bioassessments (Streams)	5-P				Non-ORW
2020/2022	NHRIV700060202-09	SHAKER BRANCH	LOUDON	2.067	MILES	Aquatic Life Integrity	Habitat Assessment (Streams)	4C-P				Non-ORW
2020/2022	NHRIV700060202-09	SHAKER BRANCH	LOUDON	2.067	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV700060202-09	SHAKER BRANCH	LOUDON	2.067	MILES	Primary Contact Recreation	Escherichia coli	4A-P	9/21/2010	NEW HAMPSHIRE STATEWIDE BACTERIA	39273	Non-ORW
2020/2022	NHRIV700060202-10	SOUCOOK RIVER	LOUDON	2.187	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV700060202-18	SOUCOOK RIVER	CONCORD, LOUDON, PEMBROKE	3.784	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV700060301-05	ROCKY POINT BROOKS - TO TUREE POND FROM SOUTH INLET	BOW	2.707	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV700060301-11	TURKEY RIVER - UNNAMED BROOK	CONCORD, BOW	11.898	MILES	Aquatic Life Integrity	Benthic-Macroinvertebrate Bioassessments (Streams)	5-M				Non-ORW
2020/2022	NHRIV700060301-11	TURKEY RIVER - UNNAMED BROOK	CONCORD, BOW	11.898	MILES	Aquatic Life Integrity	Dissolved oxygen saturation	5-P				Non-ORW
2020/2022	NHRIV700060301-11	TURKEY RIVER - UNNAMED BROOK	CONCORD, BOW	11.898	MILES	Aquatic Life Integrity	Oxygen, Dissolved	5-P				Non-ORW
2020/2022	NHRIV700060301-11	TURKEY RIVER - UNNAMED BROOK	CONCORD, BOW	11.898	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV700060301-13	TURKEY RIVER - BOW BROOK	CONCORD, BOW	4.491	MILES	Aquatic Life Integrity	Aluminum	5-M				Non-ORW
2020/2022	NHRIV700060301-13	TURKEY RIVER - BOW BROOK	CONCORD, BOW	4.491	MILES	Primary Contact Recreation	Escherichia coli	4A-P	9/21/2010	NEW HAMPSHIRE STATEWIDE BACTERIA	39272	Non-ORW
2020/2022	NHRIV700060302-01	BURNHAM BROOK	CANTERBURY, CONCORD	7.749	MILES	Aquatic Life Integrity	Non-Native Aquatic Plants	4C-M				Non-ORW
2020/2022	NHRIV700060302-08	HAYWARD BROOK	CONCORD	2.425	MILES	Aquatic Life Integrity	Fishes Bioassessments (Streams)	5-P				Non-ORW
2020/2022	NHRIV700060302-08	HAYWARD BROOK	CONCORD	2.425	MILES	Aquatic Life Integrity	pH	5-P				Non-ORW
2020/2022	NHRIV700060302-10	BEAVER MEADOW BROOK	CONCORD	3.204	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV700060302-20	BOW BOG BROOK - HORSE BROOK	BOW	14.913	MILES	Aquatic Life Integrity	pH	5-P				Non-ORW
2020/2022	NHRIV700060302-21	BOW BOG BROOK	BOW, PEMBROKE	7.240	MILES	Aquatic Life Integrity	pH	5-P				Non-ORW
2020/2022	NHRIV700060302-24	MERRIMACK RIVER	CONCORD	9.525	MILES	Aquatic Life Integrity	Aluminum	5-M				Non-ORW
2020/2022	NHRIV700060302-24	MERRIMACK RIVER	CONCORD	9.525	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV700060302-25-02	MERRIMACK RIVER	BOW, CONCORD, PEMBROKE	3.476	MILES	Aquatic Life Integrity	Oxygen, Dissolved	5-P				Non-ORW
2020/2022	NHRIV700060302-31	FIFIELD BROOK - TO HORSESHOE POND EAST INLET	CANTERBURY	0.743	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV700060302-33	UNNAMED BROOK - TO MERRIMACK RIVER	CONCORD	0.118	MILES	Aquatic Life Integrity	Chloride	5-M				Non-ORW
2020/2022	NHRIV700060302-34	UNNAMED BROOK - TO MERRIMACK RIVER	CONCORD	0.468	MILES	Aquatic Life Integrity	Chloride	5-M				Non-ORW
2020/2022	NHRIV700060302-55	SUGAR BALL OXBOX	CONCORD	0.478	MILES	Aquatic Life Integrity	Chloride	5-M				Non-ORW
2020/2022	NHRIV700060401-04	WOOD BRIDGE BROOK - TO CRYSTAL LAKE	GILMANTON	1.864	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV700060401-05	UNNAMED BROOKS - TO HILLS POND NORTH INLET	ALTON	1.431	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV700060401-06	UNNAMED BROOK - FROM HILL POND TO SUNSET LAKE	ALTON	0.111	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV700060401-07	FROHOCK BROOK	ALTON	2.552	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV700060401-08	COVERED BRIDGE BROOK - TO CRYSTAL LAKE	ALTON, GILMANTON	4.782	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV700060401-10	NELSON BROOK - UNNAMED BROOK	GILMANTON	2.132	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV700060401-12	PERKINS BROOK - TO CRYSTAL LAKE	GILMANTON	0.595	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV700060402-03	NIGHTHAWK HOLLOW BROOK - VARNEY BROOK - UNNAMED BROOK	GILMANTON	8.328	MILES	Aquatic Life Integrity	Benthic-Macroinvertebrate Bioassessments (Streams)	5-P				Non-ORW
2020/2022	NHRIV700060402-03	NIGHTHAWK HOLLOW BROOK - VARNEY BROOK - UNNAMED BROOK	GILMANTON	8.328	MILES	Aquatic Life Integrity	Habitat Assessment (Streams)	4C-P				Non-ORW
2020/2022	NHRIV700060402-05	SUNCOOK RIVER	GILMANTON, ALTON, BARNSTEAD	1.966	MILES	Aquatic Life Integrity	Benthic-Macroinvertebrate Bioassessments (Streams)	5-M				Non-ORW
2020/2022	NHRIV700060402-05	SUNCOOK RIVER	GILMANTON, ALTON, BARNSTEAD	1.966	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV700060402-06	UNNAMED BROOKS - TO UPPER SUNCOOK LAKE FROM NORTHEAST INLET	BARNSTEAD, ALTON	2.998	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV700060402-07	CAMP FATIMA BROOK - TO UPPER SUNCOOK LAKE	GILMANTON, BARNSTEAD	2.417	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV700060402-08	UNNAMED BROOK - TO LOWER SUNCOOK LAKE FROM NORTHEAST INLET	BARNSTEAD	1.229	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV700060402-09	FERN HILL BROOK - TO HALFMOON LAKE	ALTON	3.949	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW

2020/2022	NHRIV700060402-10	UNNAMED BROOK - TO HALFMOON LAKE FROM INLET NORTH OF CRESENT BEACH	BARNSTEAD, ALTON	2.443	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV700060402-13	MUNROE BROOK - TO LOCKE LAKE	BARNSTEAD	0.966	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV700060402-14	WEBSTER STREAM	BARNSTEAD	0.851	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV700060402-18	SUNCOOK RIVER - UNNAMED BROOK	GILMANTON, BARNSTEAD	3.147	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV700060402-22	HALFMOON LAKE-DUGANS INLET	ALTON	1.681	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV700060402-28	UNNAMED BROOK	BARNSTEAD	1.047	MILES	Primary Contact Recreation	Escherichia coli	5-P				Non-ORW
2020/2022	NHRIV700060403-07	BIG RIVER	STRAFFORD, BARNSTEAD	6.587	MILES	Aquatic Life Integrity	pH	5-P				Non-ORW
2020/2022	NHRIV700060501-06	KELLEY BROOK	GILMANTON, BARNSTEAD, LOUDON, PITTSFIELD	10.460	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV700060501-22	PERRY BROOK - SANBORN BROOK	CHICHESTER, LOUDON, PITTSFIELD	17.863	MILES	Aquatic Life Integrity	Fishes Bioassessments (Streams)	5-P				Non-ORW
2020/2022	NHRIV700060501-22	PERRY BROOK - SANBORN BROOK	CHICHESTER, LOUDON, PITTSFIELD	17.863	MILES	Aquatic Life Integrity	pH	5-P				Non-ORW
2020/2022	NHRIV700060501-47	SMITH BROOK	STRAFFORD	0.168	MILES	Aquatic Life Integrity	pH	5-P				Non-ORW
2020/2022	NHRIV700060502-01	TUCKER BROOK - UNNAMED BROOK	NORTHWOOD	2.983	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV700060502-02	KELSEY BROOK	NORTHWOOD	0.667	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV700060502-03	JENNESS BROOK	NORTHWOOD	1.615	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV700060502-04	LITTLE SUNCOOK RIVER - KELSEY BROOK - NARROWS BROOK	NORTHWOOD	6.452	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV700060502-05	FLAT MEADOW BROOK	NORTHWOOD, EPSOM, PITTSFIELD	6.040	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV700060502-05	FLAT MEADOW BROOK	NORTHWOOD, EPSOM, PITTSFIELD	6.040	MILES	Primary Contact Recreation	Escherichia coli	5-P				Non-ORW
2020/2022	NHRIV700060502-06	THE GULF	NORTHWOOD	1.362	MILES	Aquatic Life Integrity	pH	5-P				Non-ORW
2020/2022	NHRIV700060502-07	UNNAMED BROOK - FROM PLEASANT LAKE TO NORTHWOOD LAKE	DEERFIELD, NORTHWOOD	1.513	MILES	Aquatic Life Integrity	pH	5-P				Non-ORW
2020/2022	NHRIV700060502-08	GRIFFIN BROOK	EPSOM, DEERFIELD	4.962	MILES	Aquatic Life Integrity	pH	5-P				Non-ORW
2020/2022	NHRIV700060502-11	GULF BROOK - UNNAMED BROOK	EPSOM, PITTSFIELD	8.167	MILES	Aquatic Life Integrity	Aluminum	5-M				Non-ORW
2020/2022	NHRIV700060502-13	LITTLE SUNCOOK RIVER	EPSOM	1.196	MILES	Aquatic Life Integrity	Non-Native Aquatic Plants	4C-P				Non-ORW
2020/2022	NHRIV700060502-13	LITTLE SUNCOOK RIVER	EPSOM	1.196	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV700060502-17	COLETTI BROOK	PITTSFIELD	1.018	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV700060502-18	MORSE SPRING BROOK	PITTSFIELD	0.842	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV700060502-19	THURBER BROOK	NORTHWOOD	0.614	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV700060502-20	UNNAMED BROOK - TO JENNESS POND	NORTHWOOD	0.298	MILES	Primary Contact Recreation	Escherichia coli	4A-P	8/29/2011	58 NH BACTERIA IMPAIRED WATERS	40661	Non-ORW
2020/2022	NHRIV700060502-21	BAPPLE SPRING BROOK	PITTSFIELD, NORTHWOOD	0.452	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV700060502-22	HOOD BROOK	NORTHWOOD	0.267	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV700060502-30	LYNN GROVE BROOK	NORTHWOOD	0.320	MILES	Aquatic Life Integrity	pH	5-P				Non-ORW
2020/2022	NHRIV700060502-30	LYNN GROVE BROOK	NORTHWOOD	0.320	MILES	Primary Contact Recreation	Escherichia coli	4A-M	9/30/2013	44 Bacteria Impaired Waters	55221	Non-ORW
2020/2022	NHRIV700060502-32	NORTHWOOD LAKE-LOWER WTC INLET	NORTHWOOD	0.736	MILES	Aquatic Life Integrity	pH	5-P				Non-ORW
2020/2022	NHRIV700060502-35	PHILBRICK BROOK	NORTHWOOD, DEERFIELD	0.850	MILES	Aquatic Life Integrity	pH	5-P				Non-ORW
2020/2022	NHRIV700060502-36	ATHERTON BROOK	NORTHWOOD	0.360	MILES	Aquatic Life Integrity	pH	5-P				Non-ORW
2020/2022	NHRIV700060502-37	FAIRLY BROOK	DEERFIELD	0.507	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV700060502-38	WILSON BROOK	DEERFIELD	0.909	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV700060502-39	VEASEY BROOK	DEERFIELD	0.263	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV700060502-40	AMBROSE STREAM - TO PLEASANT LAKE	DEERFIELD	0.028	MILES	Aquatic Life Integrity	pH	5-P				Non-ORW
2020/2022	NHRIV700060502-41	UNNAMED BROOK - NORTH INLET TO CHESNUT PONT	EPSOM	0.089	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV700060502-44	NORTHWOOD LAKE-BRIDGE INLET	NORTHWOOD	0.744	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV700060502-50	NORTHWOOD LAKE INLET	NORTHWOOD	0.189	MILES	Aquatic Life Integrity	pH	5-P				Non-ORW
2020/2022	NHRIV700060503-03	SUNCOOK RIVER	EPSOM, CHICHESTER	4.600	MILES	Aquatic Life Integrity	Other flow regime alterations	4C-P				Non-ORW
2020/2022	NHRIV700060503-04	SUNCOOK RIVER	EPSOM	1.485	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV700060503-06	SUNCOOK RIVER	EPSOM	1.589	MILES	Aquatic Life Integrity	Other flow regime alterations	4C-P				Non-ORW
2020/2022	NHRIV700060503-06	SUNCOOK RIVER	EPSOM	1.589	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV700060503-06	SUNCOOK RIVER	EPSOM	1.589	MILES	Aquatic Life Integrity	Physical substrate habitat alterations	4C-P				Non-ORW
2020/2022	NHRIV700060503-12	LITTLE BEAR BROOK	ALLENSTOWN, EPSOM	6.007	MILES	Aquatic Life Integrity	pH	5-P				Non-ORW
2020/2022	NHRIV700060503-14	BEAR BROOK - PEASE BROOK	DEERFIELD, ALLENSTOWN, EPSOM	14.553	MILES	Aquatic Life Integrity	pH	5-P				Non-ORW
2020/2022	NHRIV700060503-16	BEAR BROOK	ALLENSTOWN	6.752	MILES	Aquatic Life Integrity	Aluminum	5-M				Non-ORW
2020/2022	NHRIV700060503-16	BEAR BROOK	ALLENSTOWN	6.752	MILES	Aquatic Life Integrity	pH	5-P				Non-ORW
2020/2022	NHRIV700060503-28	UNNAMED BROOK - INLET TO MARSH POND	CHICHESTER	0.515	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV700060601-01	UNNAMED BROOK - TO DEERING RESERVOIR WEST INLET	DEERING	1.291	MILES							ORW
2020/2022	NHRIV700060601-02	PISCATAQUOG RIVER	DEERING	1.298	MILES							ORW
2020/2022	NHRIV700060601-03	PISCATAQUOG RIVER	DEERING, FRANCESTOWN	3.213	MILES							ORW
2020/2022	NHRIV700060601-04	PISCATAQUOG RIVER	DEERING, WEARE	6.151	MILES							ORW
2020/2022	NHRIV700060601-05	UNNAMED BROOKS - TO WEARE RESERVOIR	DEERING, WEARE	2.426	MILES							ORW
2020/2022	NHRIV700060601-06	UNNAMED BROOK - TO PLEASANT POND	HENNIKER	0.627	MILES							ORW
2020/2022	NHRIV700060601-07	PLEASANT POND OUTLET	HENNIKER, DEERING	0.575	MILES							ORW
2020/2022	NHRIV700060601-08	PATTEN BROOK - SMITH BROOK	DEERING, HENNIKER	7.287	MILES							ORW
2020/2022	NHRIV700060601-09	DUDLEY BROOK	DEERING, WEARE	3.394	MILES							ORW
2020/2022	NHRIV700060601-13	UNNAMED BROOK	DEERING	0.617	MILES							ORW
2020/2022	NHRIV700060601-14	DEERING RESERVOIR-MOROTTA INLET	DEERING	0.256	MILES							ORW
2020/2022	NHRIV700060601-15	UNNAMED BROOK - TO DEERING RESERVIOR FROM FISHER ROAD INLET	DEERING	0.494	MILES							ORW
2020/2022	NHRIV700060601-16	UNNAMED BROOK	DEERING	0.454	MILES							ORW
2020/2022	NHRIV700060601-17	UNNAMED BROOK	DEERING	0.719	MILES							ORW
2020/2022	NHRIV700060601-18	UNNAMED BROOK	DEERING	2.390	MILES							ORW
2020/2022	NHRIV700060601-21	UNNAMED BROOK	HENNIKER, DEERING	0.636	MILES							ORW
2020/2022	NHRIV700060601-22	UNNAMED BROOK	WEARE	0.616	MILES							ORW
2020/2022	NHRIV700060601-23	UNNAMED BROOK	DEERING	0.465	MILES							ORW
2020/2022	NHRIV700060602-06	PISCATAQUOG RIVER - CENTER BROOK	WEARE	7.430	MILES	Primary Contact Recreation	Escherichia coli	4A-P	9/21/2010	NEW HAMPSHIRE STATEWIDE BACTERIA	39273	Non-ORW
2020/2022	NHRIV700060603-07	PISCATAQUOG RIVER	NEW BOSTON, GOFFSTOWN, WEARE	1.924	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV700060603-07	PISCATAQUOG RIVER	NEW BOSTON, GOFFSTOWN, WEARE	1.924	MILES	Primary Contact Recreation	Escherichia coli	4A-M	9/21/2010	NEW HAMPSHIRE STATEWIDE BACTERIA	39273	Non-ORW
2020/2022	NHRIV700060604-01	UNNAMED BROOK - TO PLEASANT POND THROUGH NORTH INLET	DEERING, FRANCESTOWN	0.991	MILES							ORW
2020/2022	NHRIV700060604-02	SOUTH BRANCH PISCATAQUOG RIVER	FRANCESTOWN	0.061	MILES							ORW
2020/2022	NHRIV700060604-06	DINSMORE BROOK	FRANCESTOWN, BENNINGTON	5.892	MILES							Review OneStop GIS
2020/2022	NHRIV700060604-07	COLLINS BROOK	FRANCESTOWN, DEERING	7.513	MILES							ORW
2020/2022	NHRIV700060604-08	SOUTH BRANCH PISCATAQUOG RIVER	FRANCESTOWN	8.786	MILES							ORW
2020/2022	NHRIV700060604-09	BRENNAN BROOK	FRANCESTOWN	4.104	MILES							ORW
2020/2022	NHRIV700060604-10	RAND BROOK	GREENFIELD, FRANCESTOWN	7.491	MILES							ORW
2020/2022	NHRIV700060604-11	RAND BROOK	FRANCESTOWN, GREENFIELD, LYNDEBOROUGH	6.068	MILES							ORW
2020/2022	NHRIV700060604-12	UNNAMED BROOK	FRANCESTOWN	0.452	MILES							ORW

2020/2022	NHRIV700060604-13	UNNAMED BROOK	FRANCESTOWN	0.477	MILES							ORW
2020/2022	NHRIV700060605-01	WHITING BROOK - UNNAMED BROOK	FRANCESTOWN	8.254	MILES							ORW
2020/2022	NHRIV700060605-02	UNNAMED BROOK - TO HAUNTED LAKE	FRANCESTOWN	1.990	MILES							ORW
2020/2022	NHRIV700060605-03	MIDDLE BRANCH PISCATAQUOG RIVER - UNNAMED BROOK	NEW BOSTON, FRANCESTOWN	7.388	MILES							ORW
2020/2022	NHRIV700060605-04	UNNAMED BROOK - TO DODGE POND	NEW BOSTON	1.455	MILES							ORW
2020/2022	NHRIV700060605-05	PEACOCK BROOK - UNNAMED BROOK	WEARE	2.932	MILES							ORW
2020/2022	NHRIV700060605-06	PEACOCK BROOK	WEARE	3.404	MILES							ORW
2020/2022	NHRIV700060605-07	BRANCH PEACOOK BROOK - TO PERKINS POND MARSH	WEARE	1.371	MILES							ORW
2020/2022	NHRIV700060605-08	MIDDLE BRANCH PISCATAQUOG RIVER - PEACOCK BROOK	WEARE, NEW BOSTON	7.449	MILES							ORW
2020/2022	NHRIV700060605-10	CURRIER BROOK - UNNAMED BROOK	WEARE, NEW BOSTON	2.888	MILES							ORW
2020/2022	NHRIV700060605-11	BUXTON BROOK - UNNAMED BROOK	WEARE, FRANCESTOWN, NEW BOSTON	7.993	MILES							ORW
2020/2022	NHRIV700060605-12	MIDDLE BRANCH PISCATAQUOG RIVER - UNNAMED BROOK	NEW BOSTON	3.275	MILES							ORW
2020/2022	NHRIV700060605-14	MEADOW BROOK - UNNAMED BROOK - HILLSIDE BROOK	WEARE	13.008	MILES							ORW
2020/2022	NHRIV700060605-15	OTTER BROOK	WEARE	1.198	MILES							ORW
2020/2022	NHRIV700060605-16	MIDDLE BRANCH PISCATAQUOG RIVER - UNNAMED BROOK	NEW BOSTON, WEARE	5.034	MILES							ORW
2020/2022	NHRIV700060605-17	UNNAMED BROOK - FROM BEARD POND TO PISCATAQUOG RIVER	NEW BOSTON	2.018	MILES							ORW
2020/2022	NHRIV700060605-18	MIDDLE BRANCH PISCATAQUOG RIVER	NEW BOSTON	0.529	MILES							Review OneStop GIS
2020/2022	NHRIV700060605-19	OTTER BROOK - UNNAMED BROOK	WEARE	6.552	MILES							ORW
2020/2022	NHRIV700060605-20	UNNAMED BROOK	NEW BOSTON	0.659	MILES							ORW
2020/2022	NHRIV700060605-21	UNNAMED BROOK	WEARE	0.180	MILES							ORW
2020/2022	NHRIV700060606-01	COLD BROOK	LYNDEBOROUGH, NEW BOSTON	8.944	MILES							ORW
2020/2022	NHRIV700060606-02	SOUTH BRANCH PISCATAQUOG RIVER	NEW BOSTON, FRANCESTOWN, LYNDEBOROUGH	11.543	MILES							ORW
2020/2022	NHRIV700060606-03	SOUTH BRANCH PISCATAQUOG RIVER - LORDS BROOK	NEW BOSTON, MONT VERNON	11.863	MILES							ORW
2020/2022	NHRIV700060606-04	SOUTH BRANCH PISCATAQUOG RIVER - MEADOW BROOK	NEW BOSTON, MONT VERNON	13.836	MILES							ORW
2020/2022	NHRIV700060606-05	SOUTH BRANCH PISCATAQUOG RIVER	NEW BOSTON	5.875	MILES	Primary Contact Recreation	Escherichia coli	4A-P	9/21/2010	NEW HAMPSHIRE STATEWIDE BACTERIA	39273	Review OneStop GIS
2020/2022	NHRIV700060606-07	SOUTH BRANCH PISCATAQUOG RIVER	NEW BOSTON, GOFFSTOWN	5.431	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV700060606-08	UNNAMED BROOK	NEW BOSTON	0.244	MILES							ORW
2020/2022	NHRIV700060606-12	UNNAMED BROOK	NEW BOSTON	0.604	MILES							ORW
2020/2022	NHRIV700060607-02	BOG BROOK	NEW BOSTON, BEDFORD, GOFFSTOWN	17.047	MILES	Aquatic Life Integrity	Dissolved oxygen saturation	5-M				Non-ORW
2020/2022	NHRIV700060607-02	BOG BROOK	NEW BOSTON, BEDFORD, GOFFSTOWN	17.047	MILES	Aquatic Life Integrity	Oxygen, Dissolved	5-P				Non-ORW
2020/2022	NHRIV700060607-02	BOG BROOK	NEW BOSTON, BEDFORD, GOFFSTOWN	17.047	MILES	Aquatic Life Integrity	pH	5-P				Non-ORW
2020/2022	NHRIV700060607-15	HARRY BROOK	GOFFSTOWN, DUNBARTON	12.029	MILES	Aquatic Life Integrity	pH	5-P				Non-ORW
2020/2022	NHRIV700060607-15	HARRY BROOK	GOFFSTOWN, DUNBARTON	12.029	MILES	Primary Contact Recreation	Escherichia coli	4A-M	9/21/2010	NEW HAMPSHIRE STATEWIDE BACTERIA	39272	Non-ORW
2020/2022	NHRIV700060607-17	PISCATAQUOG RIVER	GOFFSTOWN	3.735	MILES	Aquatic Life Integrity	Non-Native Aquatic Plants	4C-M				Non-ORW
2020/2022	NHRIV700060607-17	PISCATAQUOG RIVER	GOFFSTOWN	3.735	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV700060607-20	CATAMOUNT BROOK	GOFFSTOWN	2.490	MILES	Aquatic Life Integrity	Chloride	5-P				Non-ORW
2020/2022	NHRIV700060607-20	CATAMOUNT BROOK	GOFFSTOWN	2.490	MILES	Aquatic Life Integrity	Iron	5-M				Non-ORW
2020/2022	NHRIV700060607-20	CATAMOUNT BROOK	GOFFSTOWN	2.490	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV700060607-20	CATAMOUNT BROOK	GOFFSTOWN	2.490	MILES	Primary Contact Recreation	Escherichia coli	4A-P	9/21/2010	NEW HAMPSHIRE STATEWIDE BACTERIA	39272	Non-ORW
2020/2022	NHRIV700060607-22	PISCATAQUOG RIVER	MANCHESTER	2.645	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV700060607-22	PISCATAQUOG RIVER	MANCHESTER	2.645	MILES	Primary Contact Recreation	Escherichia coli	4B-P				Non-ORW
2020/2022	NHRIV700060607-35	SAINT ANSELM BROOK - TO PISCATAQUOG RIVER	MANCHESTER, GOFFSTOWN	0.589	MILES	Aquatic Life Integrity	Chloride	5-M				Non-ORW
2020/2022	NHRIV700060607-35	SAINT ANSELM BROOK - TO PISCATAQUOG RIVER	MANCHESTER, GOFFSTOWN	0.589	MILES	Aquatic Life Integrity	Dissolved oxygen saturation	5-P				Non-ORW
2020/2022	NHRIV700060607-35	SAINT ANSELM BROOK - TO PISCATAQUOG RIVER	MANCHESTER, GOFFSTOWN	0.589	MILES	Aquatic Life Integrity	Oxygen, Dissolved	5-P				Non-ORW
2020/2022	NHRIV700060607-35	SAINT ANSELM BROOK - TO PISCATAQUOG RIVER	MANCHESTER, GOFFSTOWN	0.589	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV700060607-35	SAINT ANSELM BROOK - TO PISCATAQUOG RIVER	MANCHESTER, GOFFSTOWN	0.589	MILES	Primary Contact Recreation	Escherichia coli	4A-P	8/29/2011	58 NH BACTERIA IMPAIRED WATERS	40662	Non-ORW
2020/2022	NHRIV700060703-02	COHAS BROOK - UNNAMED BROOK	AUBURN, CHESTER	13.179	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV700060703-05	COHAS BROOK - LONG POND BROOK	MANCHESTER, AUBURN, LONDONDERRY	8.915	MILES	Aquatic Life Integrity	Benthic-Macroinvertebrate Bioassessments (Streams)	5-P				Non-ORW
2020/2022	NHRIV700060703-05	COHAS BROOK - LONG POND BROOK	MANCHESTER, AUBURN, LONDONDERRY	8.915	MILES	Aquatic Life Integrity	Habitat Assessment (Streams)	4C-P				Non-ORW
2020/2022	NHRIV700060703-05	COHAS BROOK - LONG POND BROOK	MANCHESTER, AUBURN, LONDONDERRY	8.915	MILES	Aquatic Life Integrity	pH	5-P				Non-ORW
2020/2022	NHRIV700060703-05	COHAS BROOK - LONG POND BROOK	MANCHESTER, AUBURN, LONDONDERRY	8.915	MILES	Primary Contact Recreation	Escherichia coli	4A-P	9/21/2010	NEW HAMPSHIRE STATEWIDE BACTERIA	39272	Non-ORW
2020/2022	NHRIV700060703-08	COHAS BROOK	MANCHESTER	11.107	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV700060703-09	COHAS BROOK	MANCHESTER	0.163	MILES	Primary Contact Recreation	Escherichia coli	4A-M	9/21/2010	NEW HAMPSHIRE STATEWIDE BACTERIA	39272	Non-ORW
2020/2022	NHRIV700060801-05-01	BLACK BROOK - HARDY BROOK	GOFFSTOWN, BOW, DUNBARTON, MANCHESTER	11.233	MILES	Aquatic Life Integrity	Dissolved oxygen saturation	5-P				Non-ORW
2020/2022	NHRIV700060801-05-01	BLACK BROOK - HARDY BROOK	GOFFSTOWN, BOW, DUNBARTON, MANCHESTER	11.233	MILES	Aquatic Life Integrity	Lead	5-P				Non-ORW
2020/2022	NHRIV700060801-05-01	BLACK BROOK - HARDY BROOK	GOFFSTOWN, BOW, DUNBARTON, MANCHESTER	11.233	MILES	Aquatic Life Integrity	Oxygen, Dissolved	5-P				Non-ORW
2020/2022	NHRIV700060801-05-01	BLACK BROOK - HARDY BROOK	GOFFSTOWN, BOW, DUNBARTON, MANCHESTER	11.233	MILES	Aquatic Life Integrity	pH	5-P				Non-ORW
2020/2022	NHRIV700060801-05-02	BLACK BROOK	MANCHESTER	3.156	MILES	Aquatic Life Integrity	Benthic-Macroinvertebrate Bioassessments (Streams)	5-M				Non-ORW
2020/2022	NHRIV700060801-05-02	BLACK BROOK	MANCHESTER	3.156	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV700060802-02	BROWN BROOK	HOOKSETT	3.227	MILES	Aquatic Life Integrity	pH	5-P				Non-ORW
2020/2022	NHRIV700060802-07	PETERS BROOK	HOOKSETT	2.825	MILES	Aquatic Life Integrity	Aluminum	5-M				Non-ORW
2020/2022	NHRIV700060802-07	PETERS BROOK	HOOKSETT	2.825	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV700060802-08	DALTON BROOK	HOOKSETT	5.783	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV700060802-09	MESSER BROOK	HOOKSETT	4.244	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV700060802-09	MESSER BROOK	HOOKSETT	4.244	MILES	Primary Contact Recreation	Escherichia coli	4A-P	8/29/2011	58 NH BACTERIA IMPAIRED WATERS	40662	Non-ORW
2020/2022	NHRIV700060802-13	DORRS POND INLET BROOK	MANCHESTER, HOOKSETT	0.305	MILES	Aquatic Life Integrity	Chloride	5-M				Non-ORW
2020/2022	NHRIV700060802-14-02	MERRIMACK RIVER	HOOKSETT, MANCHESTER	5.744	MILES	Aquatic Life Integrity	Aluminum	5-M				Non-ORW
2020/2022	NHRIV700060802-14-02	MERRIMACK RIVER	HOOKSETT, MANCHESTER	5.744	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV700060802-14-02	MERRIMACK RIVER	HOOKSETT, MANCHESTER	5.744	MILES	Primary Contact Recreation	Escherichia coli	4A-M	9/21/2010	NEW HAMPSHIRE STATEWIDE BACTERIA	39272	Non-ORW
2020/2022	NHRIV700060802-15	RAYS BROOK	MANCHESTER	1.102	MILES	Aquatic Life Integrity	Chloride	5-M				Non-ORW
2020/2022	NHRIV700060802-15	RAYS BROOK	MANCHESTER	1.102	MILES	Primary Contact Recreation	Escherichia coli	4A-M	8/29/2011	58 NH BACTERIA IMPAIRED WATERS	40662	Non-ORW
2020/2022	NHRIV700060802-16	DORRS POND-E INLET	MANCHESTER	0.210	MILES	Aquatic Life Integrity	Chloride	5-M				Non-ORW
2020/2022	NHRIV700060803-08	BAKER BROOK	MANCHESTER	1.707	MILES	Aquatic Life Integrity	Chloride	5-M				Non-ORW

2020/2022	NHRIV700060803-12	PATTEN BROOK	BEDFORD	1.510	MILES	Aquatic Life Integrity	Aluminum	5-M				Non-ORW
2020/2022	NHRIV700060803-12	PATTEN BROOK	BEDFORD	1.510	MILES	Primary Contact Recreation	Escherichia coli	4A-P	9/21/2010	NEW HAMPSHIRE STATEWIDE BACTERIA	39272	Non-ORW
2020/2022	NHRIV700060803-14-02	MERRIMACK RIVER	MANCHESTER, BEDFORD	7.177	MILES	Aquatic Life Integrity	Aluminum	5-M				Non-ORW
2020/2022	NHRIV700060803-14-02	MERRIMACK RIVER	MANCHESTER, BEDFORD	7.177	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV700060803-14-02	MERRIMACK RIVER	MANCHESTER, BEDFORD	7.177	MILES	Aquatic Life Integrity	Phosphorus (Total)	4B-T				Non-ORW
2020/2022	NHRIV700060803-14-02	MERRIMACK RIVER	MANCHESTER, BEDFORD	7.177	MILES	Primary Contact Recreation	Escherichia coli	4A-P	9/21/2010	NEW HAMPSHIRE STATEWIDE BACTERIA	39274	Non-ORW
2020/2022	NHRIV700060803-15	HUMPHREY BROOK	MANCHESTER	3.150	MILES	Aquatic Life Integrity	Chloride	5-M				Non-ORW
2020/2022	NHRIV700060803-16	MCQUESTEN BROOK	BEDFORD, MANCHESTER	2.167	MILES	Aquatic Life Integrity	Chloride	5-M				Non-ORW
2020/2022	NHRIV700060803-16	MCQUESTEN BROOK	BEDFORD, MANCHESTER	2.167	MILES	Aquatic Life Integrity	Dissolved oxygen saturation	5-P				Non-ORW
2020/2022	NHRIV700060803-16	MCQUESTEN BROOK	BEDFORD, MANCHESTER	2.167	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV700060803-16	MCQUESTEN BROOK	BEDFORD, MANCHESTER	2.167	MILES	Primary Contact Recreation	Escherichia coli	5-P				Non-ORW
2020/2022	NHRIV700060804-05	LITTLE COHAS BROOK - UNNAMED BROOK	LONDONDERRY, MANCHESTER	6.436	MILES	Aquatic Life Integrity	Benthic-Macroinvertebrate Bioassessments (Streams)	5-P				Non-ORW
2020/2022	NHRIV700060804-05	LITTLE COHAS BROOK - UNNAMED BROOK	LONDONDERRY, MANCHESTER	6.436	MILES	Aquatic Life Integrity	Chloride	5-P				Non-ORW
2020/2022	NHRIV700060804-05	LITTLE COHAS BROOK - UNNAMED BROOK	LONDONDERRY, MANCHESTER	6.436	MILES	Aquatic Life Integrity	Dissolved oxygen saturation	5-P				Non-ORW
2020/2022	NHRIV700060804-05	LITTLE COHAS BROOK - UNNAMED BROOK	LONDONDERRY, MANCHESTER	6.436	MILES	Aquatic Life Integrity	Iron	5-M				Non-ORW
2020/2022	NHRIV700060804-05	LITTLE COHAS BROOK - UNNAMED BROOK	LONDONDERRY, MANCHESTER	6.436	MILES	Aquatic Life Integrity	Oxygen, Dissolved	5-P				Non-ORW
2020/2022	NHRIV700060804-05	LITTLE COHAS BROOK - UNNAMED BROOK	LONDONDERRY, MANCHESTER	6.436	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV700060804-11	MERRIMACK RIVER	MERRIMACK, BEDFORD, LITCHFIELD, MANCHESTER	7.283	MILES	Primary Contact Recreation	Escherichia coli	4A-P	9/21/2010	NEW HAMPSHIRE STATEWIDE BACTERIA	39274	Non-ORW
2020/2022	NHRIV700060804-12	SOUTH PERIMETER BROOK	LONDONDERRY, BEDFORD, MANCHESTER	0.770	MILES	Aquatic Life Integrity	Chloride	5-M				Non-ORW
2020/2022	NHRIV700060804-12	SOUTH PERIMETER BROOK	LONDONDERRY, BEDFORD, MANCHESTER	0.770	MILES	Aquatic Life Integrity	Iron	5-M				Non-ORW
2020/2022	NHRIV700060804-13	SEBBINS POND INLET	BEDFORD	0.142	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV700060901-03	PRATT POND BROOK	NEW IPSWICH	5.314	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV700060901-04	STARK BROOK	NEW IPSWICH	1.699	MILES	Aquatic Life Integrity	Benthic-Macroinvertebrate Bioassessments (Streams)	5-P				Non-ORW
2020/2022	NHRIV700060901-04	STARK BROOK	NEW IPSWICH	1.699	MILES	Aquatic Life Integrity	Dissolved oxygen saturation	5-M				Non-ORW
2020/2022	NHRIV700060901-04	STARK BROOK	NEW IPSWICH	1.699	MILES	Aquatic Life Integrity	Oxygen, Dissolved	5-M				Non-ORW
2020/2022	NHRIV700060901-04	STARK BROOK	NEW IPSWICH	1.699	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV700060901-05	SOUHEGAN RIVER - WEST SOUHEGAN RIVER	NEW IPSWICH	6.664	MILES	Aquatic Life Integrity	Oxygen, Dissolved	5-P				Non-ORW
2020/2022	NHRIV700060901-08	FURNACE BROOK	NEW IPSWICH	1.269	MILES	Primary Contact Recreation	Escherichia coli	4A-P	8/29/2011	58 NH BACTERIA IMPAIRED WATERS	40661	Non-ORW
2020/2022	NHRIV700060901-09	SOUHEGAN RIVER - FURNACE BROOK	NEW IPSWICH	4.705	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV700060901-09	SOUHEGAN RIVER - FURNACE BROOK	NEW IPSWICH	4.705	MILES	Primary Contact Recreation	Escherichia coli	4A-M	9/21/2010	NEW HAMPSHIRE STATEWIDE BACTERIA	39272	Non-ORW
2020/2022	NHRIV700060901-12	PRATT POND BROOK	NEW IPSWICH	0.333	MILES	Aquatic Life Integrity	pH	5-P				Non-ORW
2020/2022	NHRIV700060901-15	PRATT POND-WEST INLET	NEW IPSWICH	0.290	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV700060901-17	APPLETON-GIBBS BROOK	NEW IPSWICH	0.770	MILES	Primary Contact Recreation	Escherichia coli	4A-P	8/29/2011	58 NH BACTERIA IMPAIRED WATERS	40661	Non-ORW
2020/2022	NHRIV700060902-05	SOUHEGAN RIVER - TUCKER BROOK	WILTON, GREENVILLE, NEW IPSWICH	11.217	MILES	Aquatic Life Integrity	Aluminum	5-M				Non-ORW
2020/2022	NHRIV700060902-05	SOUHEGAN RIVER - TUCKER BROOK	WILTON, GREENVILLE, NEW IPSWICH	11.217	MILES	Aquatic Life Integrity	Benthic-Macroinvertebrate Bioassessments (Streams)	5-P				Non-ORW
2020/2022	NHRIV700060902-05	SOUHEGAN RIVER - TUCKER BROOK	WILTON, GREENVILLE, NEW IPSWICH	11.217	MILES	Aquatic Life Integrity	Iron	5-M				Non-ORW
2020/2022	NHRIV700060902-05	SOUHEGAN RIVER - TUCKER BROOK	WILTON, GREENVILLE, NEW IPSWICH	11.217	MILES	Aquatic Life Integrity	Lead	5-M				Non-ORW
2020/2022	NHRIV700060902-05	SOUHEGAN RIVER - TUCKER BROOK	WILTON, GREENVILLE, NEW IPSWICH	11.217	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV700060902-05	SOUHEGAN RIVER - TUCKER BROOK	WILTON, GREENVILLE, NEW IPSWICH	11.217	MILES	Aquatic Life Integrity	Phosphorus (Total)	4B-T				Non-ORW
2020/2022	NHRIV700060902-05	SOUHEGAN RIVER - TUCKER BROOK	WILTON, GREENVILLE, NEW IPSWICH	11.217	MILES	Primary Contact Recreation	Escherichia coli	3-PNS	9/21/2010	NEW HAMPSHIRE STATEWIDE BACTERIA	39272	Non-ORW
2020/2022	NHRIV700060902-13	SOUHEGAN RIVER	WILTON	2.309	MILES	Primary Contact Recreation	Escherichia coli	4A-M	9/21/2010	NEW HAMPSHIRE STATEWIDE BACTERIA	39272	Non-ORW
2020/2022	NHRIV700060902-21	UNNAMED TRIB. TO THE SOUHEGAN RIVER	GREENVILLE, NEW IPSWICH	1.342	MILES	Aquatic Life Integrity	Dissolved oxygen saturation	5-P				Non-ORW
2020/2022	NHRIV700060902-21	UNNAMED TRIB. TO THE SOUHEGAN RIVER	GREENVILLE, NEW IPSWICH	1.342	MILES	Aquatic Life Integrity	Iron	5-M				Non-ORW
2020/2022	NHRIV700060902-21	UNNAMED TRIB. TO THE SOUHEGAN RIVER	GREENVILLE, NEW IPSWICH	1.342	MILES	Aquatic Life Integrity	Oxygen, Dissolved	5-P				Non-ORW
2020/2022	NHRIV700060902-21	UNNAMED TRIB. TO THE SOUHEGAN RIVER	GREENVILLE, NEW IPSWICH	1.342	MILES	Aquatic Life Integrity	pH	5-P				Non-ORW
2020/2022	NHRIV700060903-16-02	STONY BROOK - TOWN BEACH (GOSS PARK)	WILTON	0.010	MILES	Primary Contact Recreation	Escherichia coli	2-G	9/21/2010	NEW HAMPSHIRE STATEWIDE BACTERIA	39275	Non-ORW
2020/2022	NHRIV700060904-07	PURGATORY BROOK	MONT VERNON, LYNDEBOROUGH, MILFORD	3.934	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV700060904-07	PURGATORY BROOK	MONT VERNON, LYNDEBOROUGH, MILFORD	3.934	MILES	Primary Contact Recreation	Escherichia coli	4A-P	9/21/2010	NEW HAMPSHIRE STATEWIDE BACTERIA	39272	Non-ORW
2020/2022	NHRIV700060904-13	SOUHEGAN RIVER - STONY BROOK	WILTON	0.404	MILES	Primary Contact Recreation	Escherichia coli	4A-P	9/21/2010	NEW HAMPSHIRE STATEWIDE BACTERIA	39272	Non-ORW
2020/2022	NHRIV700060904-14	SOUHEGAN RIVER	MILFORD, WILTON	3.261	MILES	Primary Contact Recreation	Escherichia coli	4A-P	9/21/2010	NEW HAMPSHIRE STATEWIDE BACTERIA	39272	Non-ORW
2020/2022	NHRIV700060905-09	UNNAMED BROOK - BETWEEN LITTLE BABOOSIC LAKE AND WASHER COVE BABOOSIC LAKE	AMHERST	0.555	MILES	Aquatic Life Integrity	pH	5-P				Non-ORW
2020/2022	NHRIV700060905-12	MCQUADE BROOK	BEDFORD, GOFFSTOWN	9.651	MILES	Aquatic Life Integrity	Chloride	5-M				Non-ORW
2020/2022	NHRIV700060905-13	MCQUADE BROOK	BEDFORD	4.944	MILES	Primary Contact Recreation	Escherichia coli	4A-P	8/29/2011	58 NH BACTERIA IMPAIRED WATERS	40663	Non-ORW
2020/2022	NHRIV700060905-17	BABOOSIC BROOK - MCQUADE BROOK	BEDFORD, MERRIMACK	4.131	MILES	Aquatic Life Integrity	Benthic-Macroinvertebrate Bioassessments (Streams)	5-M				Non-ORW
2020/2022	NHRIV700060905-17	BABOOSIC BROOK - MCQUADE BROOK	BEDFORD, MERRIMACK	4.131	MILES	Aquatic Life Integrity	Dissolved oxygen saturation	5-M				Non-ORW
2020/2022	NHRIV700060905-17	BABOOSIC BROOK - MCQUADE BROOK	BEDFORD, MERRIMACK	4.131	MILES	Aquatic Life Integrity	Oxygen, Dissolved	5-P				Non-ORW
2020/2022	NHRIV700060905-17	BABOOSIC BROOK - MCQUADE BROOK	BEDFORD, MERRIMACK	4.131	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV700060905-18	RIDDLE BROOK	BEDFORD, GOFFSTOWN	18.092	MILES	Aquatic Life Integrity	Dissolved oxygen saturation	5-P				Non-ORW
2020/2022	NHRIV700060905-18	RIDDLE BROOK	BEDFORD, GOFFSTOWN	18.092	MILES	Aquatic Life Integrity	Oxygen, Dissolved	5-P				Non-ORW
2020/2022	NHRIV700060905-18	RIDDLE BROOK	BEDFORD, GOFFSTOWN	18.092	MILES	Aquatic Life Integrity	pH	5-P				Non-ORW
2020/2022	NHRIV700060905-18	RIDDLE BROOK	BEDFORD, GOFFSTOWN	18.092	MILES	Primary Contact Recreation	Escherichia coli	4A-P	9/21/2010	NEW HAMPSHIRE STATEWIDE BACTERIA	39272	Non-ORW
2020/2022	NHRIV700060905-19	BABOOSIC BROOK - RIDDLE BROOK	MERRIMACK, BEDFORD	10.322	MILES	Aquatic Life Integrity	Benthic-Macroinvertebrate Bioassessments (Streams)	5-P				Non-ORW
2020/2022	NHRIV700060905-19	BABOOSIC BROOK - RIDDLE BROOK	MERRIMACK, BEDFORD	10.322	MILES	Aquatic Life Integrity	Oxygen, Dissolved	5-P				Non-ORW
2020/2022	NHRIV700060905-25	PAVILLON BROOK	AMHERST	0.252	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV700060906-01	BEAVER BROOK	MONT VERNON, AMHERST	13.056	MILES	Aquatic Life Integrity	Aluminum	5-M				Non-ORW
2020/2022	NHRIV700060906-01	BEAVER BROOK	MONT VERNON, AMHERST	13.056	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV700060906-01	BEAVER BROOK	MONT VERNON, AMHERST	13.056	MILES	Primary Contact Recreation	Escherichia coli	4A-M	9/21/2010	NEW HAMPSHIRE STATEWIDE BACTERIA	39273	Non-ORW
2020/2022	NHRIV700060906-04	HARTSHORN BROOK	MONT VERNON, MILFORD	7.171	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV700060906-08	GREAT BROOK	MILFORD, WILTON	9.602	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV700060906-12	GREAT BROOK - OX BROOK	MILFORD	4.713	MILES	Aquatic Life Integrity	Dissolved oxygen saturation	5-P				Non-ORW
2020/2022	NHRIV700060906-12	GREAT BROOK - OX BROOK	MILFORD	4.713	MILES	Aquatic Life Integrity	Oxygen, Dissolved	5-P				Non-ORW
2020/2022	NHRIV700060906-12	GREAT BROOK - OX BROOK	MILFORD	4.713	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV700060906-12	GREAT BROOK - OX BROOK	MILFORD	4.713	MILES	Primary Contact Recreation	Escherichia coli	4A-M	9/21/2010	NEW HAMPSHIRE STATEWIDE BACTERIA	39272	Non-ORW
2020/2022	NHRIV700060906-13	SOUHEGAN RIVER	MILFORD	2.320	MILES	Fish Consumption	PCBS - FISH CONSUMPTION ADVISORY	5-M				Non-ORW
2020/2022	NHRIV700060906-13	SOUHEGAN RIVER	MILFORD	2.320	MILES	Primary Contact Recreation	Escherichia coli	4A-P	9/21/2010	NEW HAMPSHIRE STATEWIDE BACTERIA	39272	Non-ORW
2020/2022	NHRIV700060906-16	SOUHEGAN RIVER	AMHERST, MILFORD	1.030	MILES	Primary Contact Recreation	Escherichia coli	4A-P	9/21/2010	NEW HAMPSHIRE STATEWIDE BACTERIA	39272	Non-ORW
2020/2022	NHRIV700060906-18	SOUHEGAN RIVER	MERRIMACK, AMHERST	12.005	MILES	Aquatic Life Integrity	Aluminum	5-M				Non-ORW
2020/2022	NHRIV700060906-18	SOUHEGAN RIVER	MERRIMACK, AMHERST	12.005	MILES	Aquatic Life Integrity	Oxygen, Dissolved	5-P				Non-ORW
2020/2022	NHRIV700060906-18	SOUHEGAN RIVER	MERRIMACK, AMHERST	12.005	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV700060906-18	SOUHEGAN RIVER	MERRIMACK, AMHERST	12.005	MILES	Primary Contact Recreation	Escherichia coli	4A-P	9/21/2010	NEW HAMPSHIRE STATEWIDE BACTERIA	39272	Non-ORW
2020/2022	NHRIV700060906-20	MUSKRELL BROOK - TO SOUHEGAN RIVER	MERRIMACK, AMHERST	2.239	MILES	Aquatic Life Integrity	Dissolved oxygen saturation	5-M				Non-ORW

2020/2022	NHRIV700060906-20	MUSKRELL BROOK - TO SOUHEGAN RIVER	MERRIMACK, AMHERST	2.239	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV700061001-02	WITCHES BROOK	HOLLIS, AMHERST, MILFORD	11.806	MILES	Aquatic Life Integrity	Oxygen, Dissolved	5-P				Non-ORW
2020/2022	NHRIV700061001-02	WITCHES BROOK	HOLLIS, AMHERST, MILFORD	11.806	MILES	Aquatic Life Integrity	pH	5-P				Non-ORW
2020/2022	NHRIV700061001-02	WITCHES BROOK	HOLLIS, AMHERST, MILFORD	11.806	MILES	Primary Contact Recreation	Escherichia coli	4A-P	9/21/2010	NEW HAMPSHIRE STATEWIDE BACTERIA	39268	Non-ORW
2020/2022	NHRIV700061001-05	PENNICHUCK BROOK	HOLLIS	1.511	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV700061001-06	MUDDY BROOK - UNNAMED BROOK	NASHUA, HOLLIS	6.997	MILES	Aquatic Life Integrity	Oxygen, Dissolved	5-M				Non-ORW
2020/2022	NHRIV700061001-06	MUDDY BROOK - UNNAMED BROOK	NASHUA, HOLLIS	6.997	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV700061001-07	PENNICHUCK BROOK - WITCHES BROOK	MERRIMACK, AMHERST, HOLLIS, NASHUA	3.642	MILES	Aquatic Life Integrity	Dissolved oxygen saturation	5-M				Non-ORW
2020/2022	NHRIV700061001-07	PENNICHUCK BROOK - WITCHES BROOK	MERRIMACK, AMHERST, HOLLIS, NASHUA	3.642	MILES	Aquatic Life Integrity	Oxygen, Dissolved	5-P				Non-ORW
2020/2022	NHRIV700061001-07	PENNICHUCK BROOK - WITCHES BROOK	MERRIMACK, AMHERST, HOLLIS, NASHUA	3.642	MILES	Aquatic Life Integrity	pH	5-P				Non-ORW
2020/2022	NHRIV700061001-07	PENNICHUCK BROOK - WITCHES BROOK	MERRIMACK, AMHERST, HOLLIS, NASHUA	3.642	MILES	Primary Contact Recreation	Escherichia coli	4A-P	9/21/2010	NEW HAMPSHIRE STATEWIDE BACTERIA	39268	Non-ORW
2020/2022	NHRIV700061001-09	BOIRE FIELD BROOK - TO PENNICHUCK BROOK	NASHUA	0.986	MILES	Aquatic Life Integrity	Oxygen, Dissolved	5-P				Non-ORW
2020/2022	NHRIV700061001-09	BOIRE FIELD BROOK - TO PENNICHUCK BROOK	NASHUA	0.986	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV700061001-10	PENNICHUCK BROOK	MERRIMACK, LITCHFIELD, NASHUA	0.876	MILES	Aquatic Life Integrity	Benthic-Macroinvertebrate Bioassessments (Streams)	5-P				Non-ORW
2020/2022	NHRIV700061001-12	UNNAMED BROOK - ROUND POND TO HOLTS POND	NASHUA	0.286	MILES	Aquatic Life Integrity	Iron	5-M				Non-ORW
2020/2022	NHRIV700061001-12	UNNAMED BROOK - ROUND POND TO HOLTS POND	NASHUA	0.286	MILES	Aquatic Life Integrity	Oxygen, Dissolved	5-P				Non-ORW
2020/2022	NHRIV700061002-04	NESENKEAG BROOK	LONDONDERRY	0.482	MILES	Aquatic Life Integrity	Oxygen, Dissolved	5-P				Non-ORW
2020/2022	NHRIV700061002-04	NESENKEAG BROOK	LONDONDERRY	0.482	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV700061002-05	NESENKEAG BROOK	LITCHFIELD, LONDONDERRY	4.031	MILES	Aquatic Life Integrity	Benthic-Macroinvertebrate Bioassessments (Streams)	5-M				Non-ORW
2020/2022	NHRIV700061002-05	NESENKEAG BROOK	LITCHFIELD, LONDONDERRY	4.031	MILES	Aquatic Life Integrity	Oxygen, Dissolved	5-P				Non-ORW
2020/2022	NHRIV700061002-05	NESENKEAG BROOK	LITCHFIELD, LONDONDERRY	4.031	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV700061002-13	MERRIMACK RIVER	MERRIMACK, LITCHFIELD	4.071	MILES	Primary Contact Recreation	Escherichia coli	4A-P	9/21/2010	NEW HAMPSHIRE STATEWIDE BACTERIA	39274	Non-ORW
2020/2022	NHRIV700061002-14	MERRIMACK RIVER	NASHUA, HUDSON, LITCHFIELD, MERRIMACK	3.714	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV700061002-14	MERRIMACK RIVER	NASHUA, HUDSON, LITCHFIELD, MERRIMACK	3.714	MILES	Primary Contact Recreation	Creosote	5-M				Non-ORW
2020/2022	NHRIV700061002-14	MERRIMACK RIVER	NASHUA, HUDSON, LITCHFIELD, MERRIMACK	3.714	MILES	Primary Contact Recreation	Escherichia coli	4A-M	9/21/2010	NEW HAMPSHIRE STATEWIDE BACTERIA	39272	Non-ORW
2020/2022	NHRIV700061002-26	NESENKEAG BROOK - UNNAMED BROOK	LONDONDERRY	3.151	MILES	Aquatic Life Integrity	Oxygen, Dissolved	5-P				Non-ORW
2020/2022	NHRIV700061002-26	NESENKEAG BROOK - UNNAMED BROOK	LONDONDERRY	3.151	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV700061101-01	DREW BROOK - CUNNINGHAM BROOK - UNNAMED BROOK - LEAVITT BROOK	DERRY	11.270	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV700061101-05	TAYLOR BROOK	DERRY	0.330	MILES	Primary Contact Recreation	Escherichia coli	4A-M	9/30/2013	44 Bacteria Impaired Waters	55220	Non-ORW
2020/2022	NHRIV700061102-16	POLICY BROOK - FROM CANOBIE LAKE	SALEM	1.140	MILES	Aquatic Life Integrity	Benthic-Macroinvertebrate Bioassessments (Streams)	5-P				Non-ORW
2020/2022	NHRIV700061102-16	POLICY BROOK - FROM CANOBIE LAKE	SALEM	1.140	MILES	Aquatic Life Integrity	Habitat Assessment (Streams)	4C-P				Non-ORW
2020/2022	NHRIV700061102-17	POLICY BROOK	SALEM	0.890	MILES	Aquatic Life Integrity	Chloride	5-P				Non-ORW
2020/2022	NHRIV700061102-18	POLICY BROOK - PORCUPINE BROOK	SALEM, WINDHAM	16.300	MILES	Aquatic Life Integrity	Arsenic	5-P				Non-ORW
2020/2022	NHRIV700061102-18	POLICY BROOK - PORCUPINE BROOK	SALEM, WINDHAM	16.300	MILES	Aquatic Life Integrity	Benthic-Macroinvertebrate Bioassessments (Streams)	5-P				Non-ORW
2020/2022	NHRIV700061102-18	POLICY BROOK - PORCUPINE BROOK	SALEM, WINDHAM	16.300	MILES	Aquatic Life Integrity	Chloride	4A-P	1/22/2009	POLICY-PORCUPINE BROOK	35867	Non-ORW
2020/2022	NHRIV700061102-18	POLICY BROOK - PORCUPINE BROOK	SALEM, WINDHAM	16.300	MILES	Aquatic Life Integrity	Habitat Assessment (Streams)	4C-P				Non-ORW
2020/2022	NHRIV700061102-18	POLICY BROOK - PORCUPINE BROOK	SALEM, WINDHAM	16.300	MILES	Aquatic Life Integrity	Iron	5-M				Non-ORW
2020/2022	NHRIV700061102-18	POLICY BROOK - PORCUPINE BROOK	SALEM, WINDHAM	16.300	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV700061102-21	UNNAMED BROOK - TO HARRIS BROOK	SALEM	2.142	MILES	Aquatic Life Integrity	Chloride	5-M				Non-ORW
2020/2022	NHRIV700061102-23	UNNAMED BROOK TO WESTERN EMBAYMENT	WINDHAM	0.482	MILES	Aquatic Life Integrity	Chloride	4A-P	1/22/2009	NORTH TRIBUTARY TO CANOBIE LAKE	35868	Non-ORW
2020/2022	NHRIV700061201-05	SALMON BROOK - HASSELLS BROOK - OLD MAIDS BROOK - HALE BROOK	NASHUA	6.626	MILES	Primary Contact Recreation	Escherichia coli	4A-M	9/21/2010	NEW HAMPSHIRE STATEWIDE BACTERIA	39272	Non-ORW
2020/2022	NHRIV700061201-07	SALMON BROOK	NASHUA	0.185	MILES	Primary Contact Recreation	Escherichia coli	4A-M	9/21/2010	NEW HAMPSHIRE STATEWIDE BACTERIA	39272	Non-ORW
2020/2022	NHRIV700061203-01	UNNAMED BROOK - TO HURANTIS LAKE THROUGH NORTHEAST INLET	CHESTER	1.276	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV700061203-02	BEAVER BROOK - TO ADAMS POND	DERRY, CHESTER	4.062	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV700061203-09	BEAVER BROOK	DERRY	15.453	MILES	Aquatic Life Integrity	Benthic-Macroinvertebrate Bioassessments (Streams)	5-P				Non-ORW
2020/2022	NHRIV700061203-09	BEAVER BROOK	DERRY	15.453	MILES	Aquatic Life Integrity	Chloride	5-M				Non-ORW
2020/2022	NHRIV700061203-09	BEAVER BROOK	DERRY	15.453	MILES	Aquatic Life Integrity	pH	5-P				Non-ORW
2020/2022	NHRIV700061203-09	BEAVER BROOK	DERRY	15.453	MILES	Primary Contact Recreation	Escherichia coli	4A-M	9/21/2010	NEW HAMPSHIRE STATEWIDE BACTERIA	39272	Non-ORW
2020/2022	NHRIV700061203-11	BEAVER BROOK	DERRY, LONDONDERRY	8.161	MILES	Aquatic Life Integrity	Chloride	5-P				Non-ORW
2020/2022	NHRIV700061203-16	BEAVER BROOK	LONDONDERRY, DERRY	5.406	MILES	Aquatic Life Integrity	Chloride	4A-M	1/22/2009	BEAVER BROOK	35870	Non-ORW
2020/2022	NHRIV700061203-16	BEAVER BROOK	LONDONDERRY, DERRY	5.406	MILES	Aquatic Life Integrity	Iron	4B-P				Non-ORW
2020/2022	NHRIV700061203-16	BEAVER BROOK	LONDONDERRY, DERRY	5.406	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV700061203-21	BEAVER BROOK	WINDHAM, HUDSON, LONDONDERRY, PELHAM	9.808	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV700061203-22	BEAVER BROOK	PELHAM, HUDSON, WINDHAM	10.508	MILES	Aquatic Life Integrity	Benthic-Macroinvertebrate Bioassessments (Streams)	5-P				Non-ORW
2020/2022	NHRIV700061203-22	BEAVER BROOK	PELHAM, HUDSON, WINDHAM	10.508	MILES	Primary Contact Recreation	Escherichia coli	4A-M	9/21/2010	NEW HAMPSHIRE STATEWIDE BACTERIA	39272	Non-ORW
2020/2022	NHRIV700061203-25	HOWARD BROOK	HUDSON	0.645	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV700061203-26	LAUNCH BROOK	HUDSON	0.604	MILES	Primary Contact Recreation	Escherichia coli	4A-P	9/21/2010	NEW HAMPSHIRE STATEWIDE BACTERIA	39272	Non-ORW
2020/2022	NHRIV700061203-27	HARANTIS LAKE-NORTH COVE INLET	CHESTER	2.244	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV700061203-28	HARANTIS LAKE-GAG INLET	CHESTER	0.109	MILES	Aquatic Life Integrity	pH	5-P				Non-ORW
2020/2022	NHRIV700061203-35	ROBINSON POND-BEACH BROOK	HUDSON	0.167	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV700061203-37	JUNIPER BROOK	HUDSON	0.211	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV700061204-01	DINSMORE BROOK	WINDHAM	1.690	MILES	Aquatic Life Integrity	Chloride	4A-M	1/22/2009	DINSMORE BROOK	35869	Non-ORW
2020/2022	NHRIV700061204-06	CONNIES BROOK	WINDHAM	0.434	MILES	Aquatic Life Integrity	Chloride	5-M				Non-ORW
2020/2022	NHRIV700061204-08	ROCK POND-SMITH RD INLET	WINDHAM	0.660	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV700061205-01	BEAVER BROOK - TONYS BROOK	PELHAM	1.969	MILES	Aquatic Life Integrity	Benthic-Macroinvertebrate Bioassessments (Streams)	5-P				Non-ORW
2020/2022	NHRIV700061205-01	BEAVER BROOK - TONYS BROOK	PELHAM	1.969	MILES	Aquatic Life Integrity	Habitat Assessment (Streams)	4C-P				Non-ORW
2020/2022	NHRIV700061205-01	BEAVER BROOK - TONYS BROOK	PELHAM	1.969	MILES	Primary Contact Recreation	Escherichia coli	4A-P	9/21/2010	NEW HAMPSHIRE STATEWIDE BACTERIA	39272	Non-ORW
2020/2022	NHRIV700061205-05	FROST BROOK - TO GUMPAS POND	PELHAM	1.846	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV700061206-01	GLOVER BROOK	HUDSON	2.772	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV700061206-04	MERRILL BROOK - UNNAMED BROOK	HUDSON	3.742	MILES	Aquatic Life Integrity	pH	5-P				Non-ORW
2020/2022	NHRIV700061206-05	FIRST BROOK	HUDSON	0.149	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV700061206-10	SECOND BROOK	HUDSON, NASHUA	2.318	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV700061206-24	MERRIMACK RIVER	NASHUA, HUDSON	5.151	MILES	Aquatic Life Integrity	Aluminum	5-M				Non-ORW
2020/2022	NHRIV700061206-24	MERRIMACK RIVER	NASHUA, HUDSON	5.151	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV700061206-24	MERRIMACK RIVER	NASHUA, HUDSON	5.151	MILES	Primary Contact Recreation	Chlorophyll-a	5-M				Non-ORW
2020/2022	NHRIV700061206-24	MERRIMACK RIVER	NASHUA, HUDSON	5.151	MILES	Primary Contact Recreation	Escherichia coli	4A-M	9/21/2010	NEW HAMPSHIRE STATEWIDE BACTERIA	39274	Non-ORW

2020/2022	NHRIV700061401-04	KELLY BROOK - SEAVER BROOK	PLAISTOW, ATKINSON, HAMPSTEAD	13.482	MILES	Aquatic Life Integrity	Benthic-Macroinvertebrate Bioassessments (Streams)	5-M				Non-ORW
2020/2022	NHRIV700061401-04	KELLY BROOK - SEAVER BROOK	PLAISTOW, ATKINSON, HAMPSTEAD	13.482	MILES	Aquatic Life Integrity	Dissolved oxygen saturation	5-P				Non-ORW
2020/2022	NHRIV700061401-04	KELLY BROOK - SEAVER BROOK	PLAISTOW, ATKINSON, HAMPSTEAD	13.482	MILES	Aquatic Life Integrity	Oxygen, Dissolved	5-P				Non-ORW
2020/2022	NHRIV700061401-04	KELLY BROOK - SEAVER BROOK	PLAISTOW, ATKINSON, HAMPSTEAD	13.482	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV700061401-04	KELLY BROOK - SEAVER BROOK	PLAISTOW, ATKINSON, HAMPSTEAD	13.482	MILES	Primary Contact Recreation	Escherichia coli	4A-P	9/21/2010	NEW HAMPSHIRE STATEWIDE BACTERIA	39272	Non-ORW
2020/2022	NHRIV700061403-05	BARTLETT BROOK - COLBY BROOK - UNNAMED BROOK	DANVILLE, HAMPSTEAD, KINGSTON, SANDOWN	13.025	MILES	Aquatic Life Integrity	Dissolved oxygen saturation	5-M				Non-ORW
2020/2022	NHRIV700061403-05	BARTLETT BROOK - COLBY BROOK - UNNAMED BROOK	DANVILLE, HAMPSTEAD, KINGSTON, SANDOWN	13.025	MILES	Aquatic Life Integrity	Oxygen, Dissolved	5-P				Non-ORW
2020/2022	NHRIV700061403-05	BARTLETT BROOK - COLBY BROOK - UNNAMED BROOK	DANVILLE, HAMPSTEAD, KINGSTON, SANDOWN	13.025	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV700061403-09	POWWOW RIVER	KINGSTON	0.132	MILES	Aquatic Life Integrity	Dissolved oxygen saturation	5-M				Non-ORW
2020/2022	NHRIV700061403-09	POWWOW RIVER	KINGSTON	0.132	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV700061403-11	POWWOW RIVER - UNNAMED BROOK	KINGSTON	1.784	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV700061403-12	UNNAMED BROOK - TO GREAT POND THROUGH NORTHWEST INLET	KINGSTON, DANVILLE	5.454	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV700061403-14	POWWOW RIVER	KINGSTON	2.460	MILES	Aquatic Life Integrity	Dissolved oxygen saturation	5-M				Non-ORW
2020/2022	NHRIV700061403-14	POWWOW RIVER	KINGSTON	2.460	MILES	Aquatic Life Integrity	Oxygen, Dissolved	5-P				Non-ORW
2020/2022	NHRIV700061403-14	POWWOW RIVER	KINGSTON	2.460	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV700061403-16	POWWOW RIVER	EAST KINGSTON	0.244	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV700061403-17	POWWOW RIVER - UNNAMED BROOK - GRASSY BROOK	SOUTH HAMPTON, EAST KINGSTON, KENSINGTON, NEWTON	29.836	MILES	Aquatic Life Integrity	Dissolved oxygen saturation	5-M				Non-ORW
2020/2022	NHRIV700061403-17	POWWOW RIVER - UNNAMED BROOK - GRASSY BROOK	SOUTH HAMPTON, EAST KINGSTON, KENSINGTON, NEWTON	29.836	MILES	Aquatic Life Integrity	Oxygen, Dissolved	5-P				Non-ORW
2020/2022	NHRIV700061403-17	POWWOW RIVER - UNNAMED BROOK - GRASSY BROOK	SOUTH HAMPTON, EAST KINGSTON, KENSINGTON, NEWTON	29.836	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV700061403-18	BACK RIVER - UNNAMED BROOK	NEWTON	2.502	MILES	Aquatic Life Integrity	Oxygen, Dissolved	5-P				Non-ORW
2020/2022	NHRIV700061403-18	BACK RIVER - UNNAMED BROOK	NEWTON	2.502	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV700061403-21	UNNAMED BROOK - TO ANGEL POND THROUGH NORTH INLET	SANDOWN	2.164	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV700061403-22	UNNAMED BROOK - TO ANGEL POND THROUGH WEST INLET	SANDOWN, HAMPSTEAD	0.238	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV700061403-24	SAYRE BROOK - TO ANGEL POND	HAMPSTEAD	0.303	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV700061403-27	GREAT POND-THAYER RD INLET	KINGSTON	0.464	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV700061403-29	POWWOW POND-RTE 125 INLET	KINGSTON	1.303	MILES	Aquatic Life Integrity	pH	5-P				Non-ORW
2020/2022	NHRIV700061403-30	BAKIE BROOK	EAST KINGSTON, KINGSTON	1.662	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV700061403-31	POWWOW POND-ROWELL COVE INLET	KINGSTON	0.339	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV801010101-01	CONNECTICUT RIVER	PITTSBURG	0.677	MILES							ORW
2020/2022	NHRIV801010101-02	CONNECTICUT RIVER - UNNAMED BROOK	PITTSBURG	2.607	MILES							ORW
2020/2022	NHRIV801010101-03	WEST INLET - TO SECOND CONNECTICUT LAKE	PITTSBURG	2.461	MILES							ORW
2020/2022	NHRIV801010101-04	CONNECTICUT RIVER - UNNAMED BROOK	PITTSBURG	2.004	MILES							ORW
2020/2022	NHRIV801010101-05	SCOTT BROOK	PITTSBURG	2.092	MILES							ORW
2020/2022	NHRIV801010101-06	EAST INLET - SCOTT BROOK	PITTSBURG	9.724	MILES							ORW
2020/2022	NHRIV801010101-07	UNNAMED BROOK - EAST INLET	PITTSBURG	16.645	MILES							ORW
2020/2022	NHRIV801010101-08	UNNAMED BROOK - FROM EAST INLET FLOWAGE TO SECOND CONNECTICUT LAKE	PITTSBURG	1.006	MILES							ORW
2020/2022	NHRIV801010101-09	MOOSE BROOK - UNNAMED BROOK	PITTSBURG	6.119	MILES							ORW
2020/2022	NHRIV801010101-10	ROBIE BROOK - UNNAMED BROOK	PITTSBURG	3.986	MILES							ORW
2020/2022	NHRIV801010101-11	EMERY ALLEN BROOK	PITTSBURG	1.746	MILES							ORW
2020/2022	NHRIV801010101-12	UNNAMED BROOK	PITTSBURG	1.045	MILES							ORW
2020/2022	NHRIV801010101-13	UNNAMED BROOK	PITTSBURG	0.462	MILES							ORW
2020/2022	NHRIV801010101-14	UNNAMED BROOK	PITTSBURG	1.410	MILES							ORW
2020/2022	NHRIV801010101-15	UNNAMED BROOK	PITTSBURG	0.794	MILES							ORW
2020/2022	NHRIV801010101-16	UNNAMED BROOK	PITTSBURG	0.558	MILES							ORW
2020/2022	NHRIV801010101-17	UNNAMED BROOK	PITTSBURG	1.484	MILES							ORW
2020/2022	NHRIV801010101-18	UNNAMED BROOK	PITTSBURG	1.426	MILES							ORW
2020/2022	NHRIV801010101-19	UNNAMED BROOK	PITTSBURG	0.151	MILES							ORW
2020/2022	NHRIV801010101-20	UNNAMED BROOK	PITTSBURG	1.965	MILES							ORW
2020/2022	NHRIV801010101-21	UNNAMED BROOK	PITTSBURG	0.110	MILES							ORW
2020/2022	NHRIV801010102-01	UNNAMED BROOK - TO BIG BROOK BOG	PITTSBURG	1.619	MILES							ORW
2020/2022	NHRIV801010102-02	CONNECTICUT R - UNNAMED BRK - BIG BRK - COZZIE BRK - SMITH BRK - DRY BRK	PITTSBURG	18.923	MILES							ORW
2020/2022	NHRIV801010102-03	ALDER BROOK - UNNAMED BROOK	PITTSBURG	4.805	MILES							ORW
2020/2022	NHRIV801010102-04	COON BROOK - UNNAMED BROOK	PITTSBURG	2.449	MILES							ORW
2020/2022	NHRIV801010102-06	ROUND POND BROOK	PITTSBURG	3.551	MILES							ORW
2020/2022	NHRIV801010102-07	UNNAMED BROOK	PITTSBURG	1.166	MILES							ORW
2020/2022	NHRIV801010102-08	UNNAMED BROOK	PITTSBURG	1.325	MILES							ORW
2020/2022	NHRIV801010102-09	UNNAMED BROOK	PITTSBURG	0.914	MILES							ORW
2020/2022	NHRIV801010102-10	DRY BROOK	PITTSBURG	1.062	MILES							ORW
2020/2022	NHRIV801010102-11	UNNAMED BROOK	PITTSBURG	1.097	MILES							ORW
2020/2022	NHRIV801010102-12	UNNAMED BROOK	PITTSBURG	0.370	MILES							ORW
2020/2022	NHRIV801010102-13	MERRILL BROOK - UNNAMED BROOK	PITTSBURG	1.809	MILES							ORW
2020/2022	NHRIV801010102-14	BARREL BROOK	PITTSBURG	1.053	MILES							ORW
2020/2022	NHRIV801010102-15	UNNAMED BROOK	PITTSBURG	0.525	MILES							ORW
2020/2022	NHRIV801010102-16	UNNAMED BROOK	PITTSBURG	0.962	MILES							ORW
2020/2022	NHRIV801010102-17	UNNAMED BROOK	PITTSBURG	0.172	MILES							ORW
2020/2022	NHRIV801010103-01	PERRY STREAM - UNNAMED BROOK	PITTSBURG	10.816	MILES							ORW
2020/2022	NHRIV801010103-02	PERRY STREAM - FALKENHAM BROOK - UNNAMED BROOK	PITTSBURG	11.375	MILES							ORW
2020/2022	NHRIV801010103-03	PERRY STREAM - LAMB VALLEY BROOK	PITTSBURG	20.567	MILES							ORW
2020/2022	NHRIV801010103-04	SCOTT BROOK	PITTSBURG	8.054	MILES							ORW
2020/2022	NHRIV801010103-05	UNNAMED BROOK	PITTSBURG	0.379	MILES							ORW
2020/2022	NHRIV801010103-06	UNNAMED BROOK	PITTSBURG	0.220	MILES							ORW
2020/2022	NHRIV801010103-07	UNNAMED BROOK	PITTSBURG	0.594	MILES							ORW
2020/2022	NHRIV801010104-01	CONNECTICUT RIVER	PITTSBURG	2.832	MILES							ORW
2020/2022	NHRIV801010104-02	UNNAMED BROOK - BOG BRANCH	PITTSBURG, CLARKSVILLE	16.998	MILES							ORW
2020/2022	NHRIV801010104-03	CEDAR STR - MIDDLE BR CEDAR STR - CRYSTAL BRK - WEST BR CEDAR STR	CLARKSVILLE, STEWARTSTOWN	20.185	MILES							ORW
2020/2022	NHRIV801010104-04	LABRADOR BROOK - UNNAMED BROOK	CLARKSVILLE	6.717	MILES							ORW

2020/2022	NHRIV801010104-05	DEAD WATER STREAM - UNNAMED BROOK - EAST BRANCH DEAD WATER STREAM - KIDDER BROOK	CLARKSVILLE, STEWARTSTOWN	24.471	MILES							ORW
2020/2022	NHRIV801010104-06	UNNAMED BROOK	PITTSBURG	1.919	MILES							ORW
2020/2022	NHRIV801010104-07	AMEY BROOK - UNNAMED BROOK	PITTSBURG	1.467	MILES							ORW
2020/2022	NHRIV801010104-08	UNNAMED BROOK	PITTSBURG	0.265	MILES							ORW
2020/2022	NHRIV801010104-09	UNNAMED BROOK	PITTSBURG	0.318	MILES							ORW
2020/2022	NHRIV801010104-10	UNNAMED BROOK	PITTSBURG	0.331	MILES							ORW
2020/2022	NHRIV801010104-11	UNNAMED BROOK	PITTSBURG	0.346	MILES							ORW
2020/2022	NHRIV801010104-12	UNNAMED BROOK	PITTSBURG	0.346	MILES							ORW
2020/2022	NHRIV801010104-13	HOLLOW BROOK - UNNAMED BROOK	PITTSBURG	1.896	MILES							ORW
2020/2022	NHRIV801010104-14	UNNAMED BROOK	PITTSBURG	0.311	MILES							ORW
2020/2022	NHRIV801010104-15	UNNAMED BROOK	CLARKSVILLE	0.756	MILES							ORW
2020/2022	NHRIV801010104-16	UNNAMED BROOK	PITTSBURG	0.396	MILES							ORW
2020/2022	NHRIV801010104-17	UNNAMED BROOK	PITTSBURG	0.321	MILES							ORW
2020/2022	NHRIV801010104-18	UNNAMED BROOK	PITTSBURG	0.458	MILES							ORW
2020/2022	NHRIV801010104-19	UNNAMED BROOK	PITTSBURG, CLARKSVILLE	0.318	MILES							ORW
2020/2022	NHRIV801010104-20	UNNAMED BROOK	CLARKSVILLE, PITTSBURG	0.869	MILES							ORW
2020/2022	NHRIV801010104-21	UNNAMED BROOK	CLARKSVILLE	0.317	MILES							ORW
2020/2022	NHRIV801010104-22	UNNAMED BROOK	CLARKSVILLE	0.348	MILES							ORW
2020/2022	NHRIV801010104-23	UNNAMED BROOK	CLARKSVILLE	0.421	MILES							ORW
2020/2022	NHRIV801010104-24	UNNAMED BROOK	PITTSBURG	0.152	MILES							ORW
2020/2022	NHRIV801010104-25	UNNAMED BROOK	PITTSBURG	0.128	MILES							ORW
2020/2022	NHRIV801010201-01	MIDDLE BRANCH INDIAN STREAM - UNNAMED BROOK - GREELEY BROOK	PITTSBURG	20.812	MILES							ORW
2020/2022	NHRIV801010201-02	WEST BRANCH INDIAN STREAM - PETERSON BROOK - UNNAMED BROOK	PITTSBURG	3.973	MILES							ORW
2020/2022	NHRIV801010201-03	EAST BRANCH - WANDS BROOK	PITTSBURG	9.628	MILES							ORW
2020/2022	NHRIV801010201-04	MIDDLE BR INDIAN STR - DUBE BRK - UNNAMED BRK - W. BR INDIAN STR	PITTSBURG	9.866	MILES							ORW
2020/2022	NHRIV801010202-01	INDIAN STR - CASCADE BRK - GRAHAM BRK - ROARING BRK - JOBBERS BRK - TEAPOT BRK	PITTSBURG	22.489	MILES							ORW
2020/2022	NHRIV801010202-02	INDIAN STREAM - ABBOTT BROOK - MOOSE BROOK - PERRY BROOK	PITTSBURG	16.434	MILES							ORW
2020/2022	NHRIV801010202-03	INDIAN STREAM - UNNAMED BROOK - CAMP BROOK - ROBY BROOK	PITTSBURG	14.023	MILES							ORW
2020/2022	NHRIV801010202-04	INDIAN STREAM - MOOSE POND BROOK - UNNAMED BROOK	PITTSBURG	19.640	MILES							ORW
2020/2022	NHRIV801010202-05	UNNAMED BROOK	PITTSBURG	1.066	MILES							ORW
2020/2022	NHRIV801010202-06	MOOSE POND BROOK	PITTSBURG	0.891	MILES							ORW
2020/2022	NHRIV801010202-07	UNNAMED BROOK	PITTSBURG	0.567	MILES							ORW
2020/2022	NHRIV801010203-01	BACK LAKE BROOK	PITTSBURG	6.294	MILES							ORW
2020/2022	NHRIV801010203-02	COOLIDGE BROOK	CLARKSVILLE, PITTSBURG	2.351	MILES							ORW
2020/2022	NHRIV801010203-04	CONNECTICUT RIVER	PITTSBURG, CLARKSVILLE	4.143	MILES							ORW
2020/2022	NHRIV801010203-05	AD CHASE BROOK	PITTSBURG, CLARKSVILLE	2.389	MILES							ORW
2020/2022	NHRIV801010203-06	FAVREAU BROOK	CLARKSVILLE	4.454	MILES							ORW
2020/2022	NHRIV801010203-07	CONNECTICUT RIVER	CLARKSVILLE, PITTSBURG	4.604	MILES							ORW
2020/2022	NHRIV801010203-08	UNNAMED BROOK	PITTSBURG	0.206	MILES							ORW
2020/2022	NHRIV801010203-09	UNNAMED BROOK	PITTSBURG	0.412	MILES							ORW
2020/2022	NHRIV801010203-10	UNNAMED BROOK	CLARKSVILLE	1.200	MILES							ORW
2020/2022	NHRIV801010203-11	UNNAMED BROOK	PITTSBURG	0.921	MILES							ORW
2020/2022	NHRIV801010203-12	UNNAMED BROOK	PITTSBURG	0.410	MILES							ORW
2020/2022	NHRIV801010203-13	BACKFIELD BROOK	PITTSBURG	1.136	MILES							ORW
2020/2022	NHRIV801010203-14	POTASH BROOK	PITTSBURG	1.677	MILES							ORW
2020/2022	NHRIV801010203-15	CRAWFORD BROOK - UNNAMED BROOK	CLARKSVILLE	2.184	MILES							ORW
2020/2022	NHRIV801010203-16	COOLIDGE BROOK	CLARKSVILLE	1.979	MILES							ORW
2020/2022	NHRIV801010203-17	UNNAMED BROOK	PITTSBURG	0.711	MILES							ORW
2020/2022	NHRIV801010203-18	UNNAMED BROOK	CLARKSVILLE	1.701	MILES							ORW
2020/2022	NHRIV801010301-01	BISHOP BROOK - CEDAR BROOK - HAINES BROOK - UNNAMED BROOK - GULCH BROOK	STEWARTSTOWN	20.799	MILES							ORW
2020/2022	NHRIV801010301-02	BISHOP BROOK - POND BROOK	CLARKSVILLE, STEWARTSTOWN	9.891	MILES	Primary Contact Recreation	Escherichia coli	4A-M	9/21/2010	NEW HAMPSHIRE STATEWIDE BACTERIA	39273	ORW
2020/2022	NHRIV801010303-01	HALLS STREAM	PITTSBURG	25.811	MILES							Review OneStop GIS
2020/2022	NHRIV801010303-02	HALLS STREAM	PITTSBURG, STEWARTSTOWN	13.734	MILES	Primary Contact Recreation	Escherichia coli	4A-P	9/21/2010	NEW HAMPSHIRE STATEWIDE BACTERIA	39273	Review OneStop GIS
2020/2022	NHRIV801010303-03	UNNAMED BROOK	PITTSBURG	1.782	MILES							ORW
2020/2022	NHRIV801010305-01	CONNECTICUT RIVER	STEWARTSTOWN, CLARKSVILLE	1.830	MILES	Primary Contact Recreation	Escherichia coli	4A-P	9/21/2010	NEW HAMPSHIRE STATEWIDE BACTERIA	39273	Review OneStop GIS
2020/2022	NHRIV801010305-02	CONNECTICUT RIVER	STEWARTSTOWN, COLEBROOK	10.849	MILES							Review OneStop GIS
2020/2022	NHRIV801010305-04	UNNAMED BROOK	STEWARTSTOWN	0.213	MILES							ORW
2020/2022	NHRIV801010305-05	DAY BROOK - UNNAMED BROOK	STEWARTSTOWN	3.501	MILES							Review OneStop GIS
2020/2022	NHRIV801010305-06	BROWN BROOK - UNNAMED BROOK	STEWARTSTOWN	2.678	MILES							ORW
2020/2022	NHRIV801010305-07	ARLIN BROOK	COLEBROOK	1.202	MILES							ORW
2020/2022	NHRIV801010305-08	UNNAMED BROOK	COLEBROOK	1.809	MILES							ORW
2020/2022	NHRIV801010401-01	MOHAWK RIVER	DIXVILLE	0.679	MILES							ORW
2020/2022	NHRIV801010401-02	EAST BRANCH MOHAWK RIVER - UNNAMED BROOK	COLEBROOK, STEWARTSTOWN	16.307	MILES							ORW
2020/2022	NHRIV801010401-03	MOHAWK RIVER - UNNAMED BROOK - MOOSE BROOK	DIXVILLE, COLEBROOK	13.211	MILES							ORW
2020/2022	NHRIV801010401-04-01	WEST BRANCH MOHAWK RIVER	COLEBROOK, STEWARTSTOWN	4.903	MILES							ORW
2020/2022	NHRIV801010401-04-02	MOHAWK RIVER - UNNAMED BROOK - WEST BRANCH MOHAWK RIVER - ROARING BROOK	COLEBROOK, COLUMBIA	15.188	MILES							ORW
2020/2022	NHRIV801010401-05	MOOSE BROOK	DIXVILLE	0.080	MILES							ORW
2020/2022	NHRIV801010401-06	UNNAMED BROOK	DIXVILLE	0.319	MILES							ORW
2020/2022	NHRIV801010401-07	MOOSE BROOK - UNNAMED BROOK	DIXVILLE	2.853	MILES							ORW
2020/2022	NHRIV801010401-08	UNNAMED BROOK	COLEBROOK	0.588	MILES							ORW
2020/2022	NHRIV801010401-09	UNNAMED BROOK	COLEBROOK	0.504	MILES							ORW
2020/2022	NHRIV801010401-10	UNNAMED BROOK	STEWARTSTOWN	1.351	MILES							ORW
2020/2022	NHRIV801010402-01	MOHAWK RIVER - UNNAMED BROOK - READ BROOK	COLEBROOK	12.782	MILES							ORW
2020/2022	NHRIV801010402-02	BEAVER BROOK - UNNAMED BROOK	COLEBROOK, STEWARTSTOWN	7.014	MILES							ORW
2020/2022	NHRIV801010402-03	MOHAWK RIVER - UNNAMED BROOK - NORTH BRANCH BEAVER BROOK	COLEBROOK, STEWARTSTOWN	7.218	MILES							ORW
2020/2022	NHRIV801010402-04	UNNAMED BROOK	COLEBROOK	1.975	MILES							ORW

2020/2022	NHRIV801010402-05	UNNAMED BROOK	COLEBROOK	0.514	MILES								ORW
2020/2022	NHRIV801010403-01	SIMMS STR - EAST BR SIMMS STR - UNNAMED BRK - URAN BRK - MORAN BRK - BOY BRK	COLUMBIA, DIXVILLE	26.321	MILES	Primary Contact Recreation	Escherichia coli	4A-P	9/21/2010	NEW HAMPSHIRE STATEWIDE BACTERIA	39273		ORW
2020/2022	NHRIV801010403-02	SIMMS STREAM - UNNAMED BROOK - WEST BRANCH SIMMS STREAM	COLUMBIA, COLEBROOK, STRATFORD	18.453	MILES								ORW
2020/2022	NHRIV801010403-03	UNNAMED BROOK	COLUMBIA	1.268	MILES								ORW
2020/2022	NHRIV801010403-04	BOY BROOK	COLUMBIA	0.497	MILES								ORW
2020/2022	NHRIV801010404-01	BEAVER BROOK	COLUMBIA	4.268	MILES								ORW
2020/2022	NHRIV801010404-02	CONNECTICUT RIVER	COLUMBIA, COLEBROOK	8.900	MILES	Primary Contact Recreation	Escherichia coli	4A-P	9/21/2010	NEW HAMPSHIRE STATEWIDE BACTERIA	39273		Review OneStop GIS
2020/2022	NHRIV801010404-03	HARVEY BROOK	COLUMBIA	1.406	MILES								ORW
2020/2022	NHRIV801010405-01	CONE BROOK - UNNAMED BROOK	COLUMBIA	11.144	MILES								ORW
2020/2022	NHRIV801010405-02-01	GORE BRANCH - HYMMEL BRANCH - SOUTH BRANCH LYMAN BROOK - UNNAMED BROOK	STRATFORD, COLUMBIA	11.222	MILES								ORW
2020/2022	NHRIV801010405-02-02	LYMAN BROOK	STRATFORD, COLUMBIA	2.052	MILES								ORW
2020/2022	NHRIV801010405-02-03	LYMAN BROOK	COLUMBIA	1.224	MILES								ORW
2020/2022	NHRIV801010405-03	CONNECTICUT RIVER	COLUMBIA, STRATFORD	6.213	MILES	Primary Contact Recreation	Escherichia coli	4A-P	9/21/2010	NEW HAMPSHIRE STATEWIDE BACTERIA	39273		Review OneStop GIS
2020/2022	NHRIV801010405-04	SWEATT BROOK	COLUMBIA	1.221	MILES								ORW
2020/2022	NHRIV801010405-05	SCHOOLHOUSE BROOK	COLUMBIA	1.908	MILES								ORW
2020/2022	NHRIV801010405-06	UNNAMED BROOK	STRATFORD	0.886	MILES								ORW
2020/2022	NHRIV801010405-07	UNNAMED BROOK	STRATFORD	1.836	MILES								ORW
2020/2022	NHRIV801010603-01	KIMBALL BROOK - ROARING BROOK	STRATFORD	4.061	MILES								ORW
2020/2022	NHRIV801010603-02	KIMBALL BROOK	STRATFORD	1.705	MILES								ORW
2020/2022	NHRIV801010603-03	BISSELL BROOK - UNNAMED BROOK	STRATFORD	7.869	MILES								ORW
2020/2022	NHRIV801010603-04	CONNARY BROOK - UNNAMED BROOK	STRATFORD	6.808	MILES								ORW
2020/2022	NHRIV801010603-05	CONNECTICUT RIVER	STRATFORD, NORTHUMBERLAND	21.803	MILES	Primary Contact Recreation	Escherichia coli	4A-M	9/21/2010	NEW HAMPSHIRE STATEWIDE BACTERIA	39273		Review OneStop GIS
2020/2022	NHRIV801010603-06	UNNAMED BROOK	STRATFORD	1.393	MILES								ORW
2020/2022	NHRIV801010603-07	UNNAMED BROOK	STRATFORD	1.828	MILES								ORW
2020/2022	NHRIV801010603-08	UNNAMED BROOK	STRATFORD	2.732	MILES								ORW
2020/2022	NHRIV801010603-09	UNNAMED BROOK	STRATFORD	1.592	MILES								ORW
2020/2022	NHRIV801010603-10	UNNAMED BROOK	STRATFORD	1.656	MILES								ORW
2020/2022	NHRIV801010701-01	UPPER AMMONOOSUC RIVER - KEENAN BROOK - STONY BROOK - UNNAMED BROOK	RANDOLPH, BERLIN	41.195	MILES								ORW
2020/2022	NHRIV801010701-02	UPPER AMMONOOSUC RIVER - BRANDY BROOK	BERLIN	7.941	MILES								ORW
2020/2022	NHRIV801010701-03	UPPER AMMONOOSUC RIVER	BERLIN	3.904	MILES								ORW
2020/2022	NHRIV801010701-04	WEST BRANCH UPPER AMMONOOSUC RIVER	KILKENNY, BERLIN	8.930	MILES								ORW
2020/2022	NHRIV801010701-05	NAG BROOK	BERLIN, KILKENNY	2.247	MILES								ORW
2020/2022	NHRIV801010701-06	WEST BRANCH UPPER AMMONOOSUC RIVER	BERLIN, KILKENNY	8.760	MILES								ORW
2020/2022	NHRIV801010701-07	COLD BROOK	BERLIN, KILKENNY, MILAN	2.847	MILES								ORW
2020/2022	NHRIV801010701-08	COLD BROOK - FROM COLD RIVER DAM	BERLIN	0.279	MILES								ORW
2020/2022	NHRIV801010701-09	UNNAMED BROOK	BERLIN	0.219	MILES								ORW
2020/2022	NHRIV801010701-10	COLD BROOK - TO WEST BRANCH	BERLIN	0.379	MILES								ORW
2020/2022	NHRIV801010701-11	WEST BRANCH UPPER AMMONOOSUC RIVER	BERLIN	1.278	MILES								ORW
2020/2022	NHRIV801010702-01	UPPER AMMONOOSUC RIVER	BERLIN, MILAN	12.491	MILES								Review OneStop GIS
2020/2022	NHRIV801010702-02	UPPER AMMONOOSUC RIVER - FIFIELD BROOK	MILAN, KILKENNY, STARK	9.856	MILES								Review OneStop GIS
2020/2022	NHRIV801010704-03	PHILLIPS BRK - W BRANCH PHILLIPS - NELSON - WATKINSON - WELLS BRKS - AND TRIBS	ERVINGS LOCATION, COLUMBIA, MILLSFIELD, ODELL	19.702	MILES	Aquatic Life Integrity	Aluminum	5-M					Non-ORW
2020/2022	NHRIV801010704-04	PHILLIPS BROOK - JODRIE BROOK - NUMBER TWO BROOK - UNNAMED BROOK	DUMMER, MILLSFIELD, ODELL, STARK	19.195	MILES	Aquatic Life Integrity	Aluminum	5-P					Non-ORW
2020/2022	NHRIV801010704-04	PHILLIPS BROOK - JODRIE BROOK - NUMBER TWO BROOK - UNNAMED BROOK	DUMMER, MILLSFIELD, ODELL, STARK	19.195	MILES	Aquatic Life Integrity	pH	5-M					Non-ORW
2020/2022	NHRIV801010705-01	MILL BROOK - UNNAMED BROOK - WEST BRANCH MILL BROOK	STARK, KILKENNY	14.543	MILES								ORW
2020/2022	NHRIV801010705-02	MILL BROOK - UNNAMED BROOK - EAST BRANCH MILL BROOK - HICKEY BROOK	STARK, KILKENNY	11.475	MILES								Review OneStop GIS
2020/2022	NHRIV801010707-02	COLD STREAM	STARK	3.061	MILES								ORW
2020/2022	NHRIV801010707-03	POND BROOK	STARK	0.062	MILES								ORW
2020/2022	NHRIV801010707-04	POND BROOK	NORTHUMBERLAND, STARK	0.034	MILES								ORW
2020/2022	NHRIV801010707-05	POND BROOK	STARK	0.095	MILES								ORW
2020/2022	NHRIV801010707-06	POND BROOK	MILAN, STARK	2.253	MILES								Review OneStop GIS
2020/2022	NHRIV801010707-10	UPPER AMMONOOSUC RIVER	STARK	7.184	MILES								Review OneStop GIS
2020/2022	NHRIV801010707-13	UPPER AMMONOOSUC RIVER	STARK, NORTHUMBERLAND	2.919	MILES	Aquatic Life Integrity	pH	5-M					Non-ORW
2020/2022	NHRIV801010707-16	AMES BROOK - UNNAMED BROOK	STARK, NORTHUMBERLAND	2.684	MILES								Review OneStop GIS
2020/2022	NHRIV801010707-17	ROARING BROOK - AMES BROOK - MOORE BROOK - UNNAMED BROOK	NORTHUMBERLAND, STARK	7.816	MILES								Review OneStop GIS
2020/2022	NHRIV801010707-18	UPPER AMMONOOSUC RIVER	NORTHUMBERLAND	1.944	MILES	Aquatic Life Integrity	pH	5-M					Non-ORW
2020/2022	NHRIV801010707-24	UNNAMED BROOK	STARK	3.100	MILES								Review OneStop GIS
2020/2022	NHRIV801010707-27	MCCORDICK BROOK	STARK	1.612	MILES								Review OneStop GIS
2020/2022	NHRIV801010707-28	UNNAMED BROOK	STARK	2.733	MILES								Review OneStop GIS
2020/2022	NHRIV801010707-29	UNNAMED BROOK	STARK	1.101	MILES								Review OneStop GIS
2020/2022	NHRIV801010707-30	UNNAMED BROOK	STARK	1.374	MILES								Review OneStop GIS
2020/2022	NHRIV801010707-33	UNNAMED BROOK	STARK	0.892	MILES								Review OneStop GIS
2020/2022	NHRIV801010707-36	UNNAMED BROOK	STARK	0.420	MILES								ORW
2020/2022	NHRIV801010707-37	DEVILS HOPYARD STREAM	STARK	1.236	MILES								ORW
2020/2022	NHRIV801010707-38	UNNAMED BROOK	STARK	0.278	MILES								ORW
2020/2022	NHRIV801010707-39	UNNAMED BROOK	STARK	0.093	MILES								ORW
2020/2022	NHRIV801010707-40	UNNAMED BROOK	STARK	1.728	MILES								ORW
2020/2022	NHRIV801010707-41	MOORE BROOK	STARK, NORTHUMBERLAND	1.910	MILES								Review OneStop GIS
2020/2022	NHRIV801010801-01	ISRAEL RIVER - UNNAMED BROOK - CASCADE BROOK - CASTLE BROOK - MYSTIC, THE	LOW AND BURBANKS GRANT, JEFFERSON, RANDOLPH, THOMPSON AND MESERVES PURCHASE	29.685	MILES								Review OneStop GIS
2020/2022	NHRIV801010801-02	SOUTH BRANCH ISRAEL RIVER - UNNAMED BROOK - LITTLE BEAR BROOK	LOW AND BURBANKS GRANT, JEFFERSON, THOMPSON AND MESERVES PURCHASE	31.410	MILES								Review OneStop GIS
2020/2022	NHRIV801010802-01	MILL BROOK - APPLEBY ROAD BROOK - UNNAMED BROOK	CARROLL, JEFFERSON, LOW AND BURBANKS GRANT	36.617	MILES								Review OneStop GIS
2020/2022	NHRIV801010802-02	MILL BROOK - STANLEY SLIDE BROOK - STREATOR BROOK - UNNAMED BROOK	JEFFERSON, CARROLL	18.879	MILES								Review OneStop GIS

2020/2022	NHRIV801010803-01	STAG HOLLOW BROOK - UNNAMED BROOK	RANDOLPH, JEFFERSON, KILKENNY	23.421	MILES							Review OneStop GIS
2020/2022	NHRIV801010803-02	ISRAEL RIVER - RED BROOK - UNNAMED BROOK	JEFFERSON, CARROLL, LOW AND BURBANKS GRANT, RANDOLPH	29.260	MILES							Review OneStop GIS
2020/2022	NHRIV801010804-01	GARLAND BROOK - GREAT BROOK - UNNAMED BROOK	KILKENNY, BERLIN, JEFFERSON, LANCASTER	36.162	MILES							ORW
2020/2022	NHRIV801010804-02	GARLAND BROOK - SOUTHERN DIVERSION	LANCASTER	0.082	MILES							ORW
2020/2022	NHRIV801010804-03	UNNAMED BROOK	LANCASTER, JEFFERSON	10.220	MILES							Review OneStop GIS
2020/2022	NHRIV801010804-05	GARLAND BROOK - UNNAMED BROOK - BUNNELL BROOK	LANCASTER, JEFFERSON, KILKENNY	24.002	MILES							Review OneStop GIS
2020/2022	NHRIV801010805-01	WHIPPLE BROOK	NORTHUMBERLAND, STARK	1.075	MILES							Review OneStop GIS
2020/2022	NHRIV801010805-02	CUMMINGS BROOK	STARK, NORTHUMBERLAND	2.124	MILES							Review OneStop GIS
2020/2022	NHRIV801010805-03	CUMMINGS BROOK - WHIPPLE BROOK	NORTHUMBERLAND, KILKENNY, LANCASTER, STARK	12.310	MILES							Review OneStop GIS
2020/2022	NHRIV801010805-04	BURNSIDE BROOK - UNNAMED BROOK	NORTHUMBERLAND, LANCASTER, STARK	11.781	MILES	Primary Contact Recreation	Escherichia coli	3-PNS	9/21/2010	NEW HAMPSHIRE STATEWIDE BACTERIA	39273	Review OneStop GIS
2020/2022	NHRIV801010805-05	OTTER BROOK - BONE BROOK - CALEB BROOK - REDMAN BROOK - UNNAMED BROOK	LANCASTER, KILKENNY	20.715	MILES	Primary Contact Recreation	Escherichia coli	3-ND	9/21/2010	NEW HAMPSHIRE STATEWIDE BACTERIA	39273	Review OneStop GIS
2020/2022	NHRIV801010805-06	OTTER BROOK - UNNAMED BROOK	LANCASTER	6.028	MILES	Aquatic Life Integrity	Fishes Bioassessments (Streams)	5-P				Non-ORW
2020/2022	NHRIV801010805-06	OTTER BROOK - UNNAMED BROOK	LANCASTER	6.028	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV801010805-06	OTTER BROOK - UNNAMED BROOK	LANCASTER	6.028	MILES	Primary Contact Recreation	Escherichia coli	4A-P	9/21/2010	NEW HAMPSHIRE STATEWIDE BACTERIA	39273	Non-ORW
2020/2022	NHRIV801010805-07	UNNAMED BROOK	LANCASTER	1.641	MILES							Review OneStop GIS
2020/2022	NHRIV801010806-01	PRISCILLA BROOK - UNNAMED BROOK	JEFFERSON, KILKENNY	35.418	MILES							Review OneStop GIS
2020/2022	NHRIV801010806-02	UNNAMED BROOK - UPPER REACH	JEFFERSON	2.295	MILES							Review OneStop GIS
2020/2022	NHRIV801010806-03-01	UNNAMED BROOK - TO ISRAEL RIVER	JEFFERSON	4.824	MILES							Review OneStop GIS
2020/2022	NHRIV801010806-04	STALBIRD BROOK - UNNAMED BROOK	JEFFERSON	8.142	MILES							Review OneStop GIS
2020/2022	NHRIV801010806-06	ISRAEL RIVER	JEFFERSON	6.944	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV801010806-06	ISRAEL RIVER	JEFFERSON	6.944	MILES	Primary Contact Recreation	Escherichia coli	4A-M	9/21/2010	NEW HAMPSHIRE STATEWIDE BACTERIA	39273	Non-ORW
2020/2022	NHRIV801010806-07	ISRAEL RIVER	LANCASTER, JEFFERSON	3.089	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV801010806-09	ISRAEL RIVER	LANCASTER	2.163	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV801010806-09	ISRAEL RIVER	LANCASTER	2.163	MILES	Primary Contact Recreation	Escherichia coli	4A-P	9/21/2010	NEW HAMPSHIRE STATEWIDE BACTERIA	39273	Non-ORW
2020/2022	NHRIV801010902-01	DEAN BROOK - UNNAMED BROOK	NORTHUMBERLAND	8.657	MILES	Aquatic Life Integrity	Fishes Bioassessments (Streams)	5-P				Non-ORW
2020/2022	NHRIV801010902-02	CONNECTICUT RIVER	NORTHUMBERLAND	3.989	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV801010902-02	CONNECTICUT RIVER	NORTHUMBERLAND	3.989	MILES	Primary Contact Recreation	Escherichia coli	4A-M	9/21/2010	NEW HAMPSHIRE STATEWIDE BACTERIA	39273	Non-ORW
2020/2022	NHRIV801010902-03	CONNECTICUT RIVER - EMERY BROOK - SHERIDAN BROOK - UNNAMED BROOK	LANCASTER, NORTHUMBERLAND	9.546	MILES	Aquatic Life Integrity	Aluminum	5-M				Non-ORW
2020/2022	NHRIV801010902-03	CONNECTICUT RIVER - EMERY BROOK - SHERIDAN BROOK - UNNAMED BROOK	LANCASTER, NORTHUMBERLAND	9.546	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV801010902-04	INDIAN BROOK	LANCASTER	4.269	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV801010903-02	CONNECTICUT RIVER	LANCASTER, DALTON	6.205	MILES	Primary Contact Recreation	Escherichia coli	4A-M	9/21/2010	NEW HAMPSHIRE STATEWIDE BACTERIA	39273	Non-ORW
2020/2022	NHRIV801030101-02	UNNAMED BROOKS - FROM FOREST LAKE TO BURNS POND	WHITEFIELD	5.487	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV801030102-01	JOHNS RIVER	CARROLL	1.962	MILES							Review OneStop GIS
2020/2022	NHRIV801030102-02	CARROLL STREAM - CHERRY MOUNTAIN BROOK - UNNAMED BROOK - CARTER BROOK	CARROLL, WHITEFIELD	24.448	MILES							Review OneStop GIS
2020/2022	NHRIV801030102-03	CARROLL STREAM - UNNAMED BROOK	CARROLL, JEFFERSON, WHITEFIELD	11.774	MILES							Review OneStop GIS
2020/2022	NHRIV801030102-08	JOHNS RIVER - CHASE BROOK	DALTON, WHITEFIELD	2.955	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV801030102-08	JOHNS RIVER - CHASE BROOK	DALTON, WHITEFIELD	2.955	MILES	Aquatic Life Integrity	Total Suspended Solids (TSS)	4B-T				Non-ORW
2020/2022	NHRIV801030102-13	JOHNS RIVER	DALTON	4.326	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV801030102-21	UNNAMED BROOK	JEFFERSON, CARROLL	6.773	MILES							Review OneStop GIS
2020/2022	NHRIV801030201-01	CUSHMAN BROOK	DALTON	20.549	MILES	Aquatic Life Integrity	Fishes Bioassessments (Streams)	5-M				Non-ORW
2020/2022	NHRIV801030201-02	CONNECTICUT RIVER	DALTON	0.715	MILES	Aquatic Life Integrity	Aluminum	5-M				Non-ORW
2020/2022	NHRIV801030201-02	CONNECTICUT RIVER	DALTON	0.715	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV801030203-01	CONNECTICUT RIVER	LITTLETON	1.113	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV801030205-02	CONNECTICUT RIVER	MONROE	1.738	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV801030301-01	NORTH BRANCH GALE RIVER - UNNAMED BROOK	BETHLEHEM, FRANCONIA	15.490	MILES							ORW
2020/2022	NHRIV801030301-03	BURNT BROOK - SOUTH BRANCH GALE RIVER	FRANCONIA	4.326	MILES							ORW
2020/2022	NHRIV801030301-04-01	SOUTH BR GALE R - THOMPSON BRK - SCARFACE BRK - SPRUCE BRK - UNNAMED BRK	FRANCONIA, BETHLEHEM	8.617	MILES							ORW
2020/2022	NHRIV801030301-04-02	GALE R - BEAVER BRK - SOUTH BR GALE R - NORTH BR GALE R - UNNAMED BRK	BETHLEHEM, FRANCONIA	16.108	MILES							ORW
2020/2022	NHRIV801030302-01	BEAVER BRK - LAFAYETTE BRK - SKOOKUMCHUCK BRK - UNNAMED BRK - JORDAN BRK	FRANCONIA	14.106	MILES							Review OneStop GIS
2020/2022	NHRIV801030302-03	GALE RIVER - WISEMAN BROOK	BETHLEHEM, FRANCONIA	12.380	MILES							Review OneStop GIS
2020/2022	NHRIV801030303-01	HAM BRANCH - REEL BROOK - UNNAMED BROOK - SLIDE BROOK	EASTON, LINCOLN	24.720	MILES							Review OneStop GIS
2020/2022	NHRIV801030303-02	HAM BRANCH - UNNAMED BROOK - JUDD BROOK - KENDALL BROOK - COPPERMINE BROOK	EASTON, FRANCONIA, SUGAR HILL	27.849	MILES							Review OneStop GIS
2020/2022	NHRIV801030303-03	HAM BRANCH	FRANCONIA, SUGAR HILL	9.808	MILES							Review OneStop GIS
2020/2022	NHRIV801030401-01	AMMONOOSUC R - JEFFERSON BRK - CLAY BRK - FRANKLIN BRK - MONROE BRK	THOMPSON AND MESERVES PURCHASE, BEANS GRANT, CHANDLERS PURCHASE, CRAWFORDS PURCHASE, SARGENTS PURCHASE	27.657	MILES							ORW
2020/2022	NHRIV801030401-02	AMMONOOSUC R - ABENAKI BRK - ASSAGUAM BRK - MOUNT PLEASANT BRK - SOKOKIS BRK	CRAWFORDS PURCHASE, BEANS GRANT, CHANDLERS PURCHASE, SARGENTS PURCHASE	16.331	MILES							ORW
2020/2022	NHRIV801030401-03	SEBOSIS BROOK	CARROLL, BEANS GRANT, BETHLEHEM, CRAWFORDS PURCHASE	12.701	MILES							ORW
2020/2022	NHRIV801030401-04	AMMONOOSUC RIVER	CRAWFORDS PURCHASE, CARROLL, LOW AND BURBANKS GRANT	2.992	MILES							ORW
2020/2022	NHRIV801030401-05	HALFWAY BROOK - DARTMOUTH BROOK - UNNAMED BROOK	CRAWFORDS PURCHASE, CHANDLERS PURCHASE, LOW AND BURBANKS GRANT	15.887	MILES							ORW
2020/2022	NHRIV801030401-06	UNNAMED BROOK	CRAWFORDS PURCHASE, LOW AND BURBANKS GRANT	2.413	MILES							ORW
2020/2022	NHRIV801030401-07	DARTMOUTH BROOK - UNNAMED BROOK	CRAWFORDS PURCHASE, CARROLL, LOW AND BURBANKS GRANT	5.420	MILES							ORW
2020/2022	NHRIV801030401-08	UNNAMED BROOK	CRAWFORDS PURCHASE	0.617	MILES							ORW
2020/2022	NHRIV801030401-09	DARTMOUTH BROOK - TO AMMONOOSUC RIVER	CARROLL, CRAWFORDS PURCHASE	5.642	MILES							ORW

2020/2022	NHRIV801030401-10	MT STICKNEY BROOK - TRIBUTARY TO CRAWFORD BK	CARROLL, BETHLEHEM	1.959	MILES								ORW
2020/2022	NHRIV801030401-11	CRAWFORD BROOK	BETHLEHEM, CARROLL	1.473	MILES								ORW
2020/2022	NHRIV801030401-12	UNNAMED BROOK	SARGENTS PURCHASE	0.446	MILES								ORW
2020/2022	NHRIV801030402-01	DECEPTION BROOK - UNNAMED BROOK	CARROLL	19.124	MILES								ORW
2020/2022	NHRIV801030402-02	ZEALAND RIVER - MOUNT FIELD BROOK - UNNAMED BROOK	BETHLEHEM	7.660	MILES								ORW
2020/2022	NHRIV801030402-03	ZEALAND RIVER - HAVIE BROOK	BETHLEHEM	2.256	MILES								ORW
2020/2022	NHRIV801030402-04	AMMONOOSUC RIVER - UNNAMED BROOK - CRAWFORD BROOK - DECEPTION BROOK	CARROLL, BETHLEHEM	5.570	MILES								ORW
2020/2022	NHRIV801030402-05	TUTTLE BROOK - UNNAMED BROOK	BETHLEHEM, CARROLL	6.208	MILES								Review OneStop GIS
2020/2022	NHRIV801030402-06	LITTLE RIVER - UNNAMED BROOK	BETHLEHEM, FRANCONIA, LINCOLN	15.144	MILES								ORW
2020/2022	NHRIV801030402-07-01	AMMONOOSUC RIVER - ZEALAND RIVER - TUTTLE BROOK - UNNAMED BROOK - HAYSTACK BROOK	CARROLL, BETHLEHEM	8.119	MILES								Review OneStop GIS
2020/2022	NHRIV801030402-07-02	TUTTLE BROOK - TWIN MTN REC AREA BEACH	CARROLL	0.020	MILES	Primary Contact Recreation	Escherichia coli	4A-P	9/21/2010	NEW HAMPSHIRE STATEWIDE BACTERIA	39275		Non-ORW
2020/2022	NHRIV801030402-08	UNNAMED BROOK - FLOWING NORTH TO AMMONOOSUC RIVER FROM BETHLEHEM LANDFILL	BETHLEHEM	0.103	MILES	Aquatic Life Integrity	Iron	4B-P					Non-ORW
2020/2022	NHRIV801030402-12	UNNAMED BROOK	BETHLEHEM	2.221	MILES								Review OneStop GIS
2020/2022	NHRIV801030402-15	UNNAMED BROOK	BETHLEHEM	5.667	MILES								Review OneStop GIS
2020/2022	NHRIV801030402-18	UNNAMED BROOK	BETHLEHEM	0.366	MILES								Review OneStop GIS
2020/2022	NHRIV801030402-19	UNNAMED BROOK	BETHLEHEM	0.574	MILES								Review OneStop GIS
2020/2022	NHRIV801030402-24	HAYSTACK BROOK - UNNAMED BROOK	BETHLEHEM, CARROLL	3.761	MILES								Review OneStop GIS
2020/2022	NHRIV801030402-27	LITTLE RIVER - UNNAMED BROOK	BETHLEHEM, CARROLL	5.656	MILES								Review OneStop GIS
2020/2022	NHRIV801030402-28	ALDER BROOK - UNNAMED BROOK	CARROLL	11.368	MILES								Review OneStop GIS
2020/2022	NHRIV801030402-29	UNNAMED BROOK	CARROLL, BETHLEHEM	4.086	MILES								Review OneStop GIS
2020/2022	NHRIV801030402-30	UNNAMED BROOK	CARROLL	2.257	MILES								Review OneStop GIS
2020/2022	NHRIV801030402-31	UNNAMED BROOK	CARROLL	0.409	MILES								ORW
2020/2022	NHRIV801030402-32	UNNAMED BROOK	BETHLEHEM, CARROLL	2.610	MILES								Review OneStop GIS
2020/2022	NHRIV801030402-33	UNNAMED BROOK	CARROLL, BETHLEHEM	2.367	MILES								ORW
2020/2022	NHRIV801030402-34	UNNAMED BROOK	CARROLL	2.705	MILES								ORW
2020/2022	NHRIV801030402-35	UNNAMED BROOK	CARROLL	0.183	MILES								ORW
2020/2022	NHRIV801030402-36	UNNAMED BROOK	CARROLL	0.510	MILES								ORW
2020/2022	NHRIV801030402-37	UNNAMED BROOK	CARROLL	0.734	MILES								ORW
2020/2022	NHRIV801030402-38	BLACK BROOK - UNNAMED BROOK	CARROLL	8.945	MILES								ORW
2020/2022	NHRIV801030402-40	ZEALAND RIVER - HALE BROOK - UNNAMED BROOK - MOUNT TOM BROOK	BETHLEHEM, CARROLL	15.253	MILES								ORW
2020/2022	NHRIV801030402-41	UNNAMED BROOK	CARROLL	0.873	MILES								ORW
2020/2022	NHRIV801030402-42	UNNAMED BROOK	CARROLL, BETHLEHEM	1.614	MILES								ORW
2020/2022	NHRIV801030402-43	UNNAMED BROOK	CARROLL	1.152	MILES								ORW
2020/2022	NHRIV801030402-44	UNNAMED BROOK	CARROLL	0.464	MILES								ORW
2020/2022	NHRIV801030402-45	UNNAMED BROOK	CARROLL	2.059	MILES								ORW
2020/2022	NHRIV801030402-46	UNNAMED BROOK	CARROLL	1.759	MILES								ORW
2020/2022	NHRIV801030402-47	UNNAMED BROOK	CARROLL	2.704	MILES								ORW
2020/2022	NHRIV801030402-48	UNNAMED BROOK	CARROLL	1.437	MILES								ORW
2020/2022	NHRIV801030402-50	UNNAMED BROOK	BETHLEHEM, CARROLL	0.874	MILES								ORW
2020/2022	NHRIV801030402-51	UNNAMED BROOK	CARROLL, BETHLEHEM	0.778	MILES								ORW
2020/2022	NHRIV801030402-53	UNNAMED BROOK	CARROLL	0.815	MILES								ORW
2020/2022	NHRIV801030402-54	UNNAMED BROOK	CARROLL, BETHLEHEM	0.505	MILES								ORW
2020/2022	NHRIV801030402-55	UNNAMED BROOK	CARROLL, BETHLEHEM	0.451	MILES								ORW
2020/2022	NHRIV801030403-01	AMMONOOSUC RIVER - UNNAMED BROOK	BETHLEHEM	1.626	MILES	Aquatic Life Integrity	Aluminum	5-M					Non-ORW
2020/2022	NHRIV801030403-01	AMMONOOSUC RIVER - UNNAMED BROOK	BETHLEHEM	1.626	MILES	Aquatic Life Integrity	pH	5-M					Non-ORW
2020/2022	NHRIV801030403-03	AMMONOOSUC RIVER	BETHLEHEM	2.261	MILES	Aquatic Life Integrity	pH	5-M					Non-ORW
2020/2022	NHRIV801030403-07	AMMONOOSUC RIVER	BETHLEHEM, LITTLETON	4.262	MILES	Aquatic Life Integrity	pH	5-M					Non-ORW
2020/2022	NHRIV801030403-09	BAKER BROOK - UNNAMED BROOK	BETHLEHEM, LITTLETON	9.391	MILES	Aquatic Life Integrity	Fishes Bioassessments (Streams)	5-P					Non-ORW
2020/2022	NHRIV801030403-11	AMMONOOSUC RIVER	LITTLETON	3.460	MILES	Aquatic Life Integrity	Aluminum	5-M					Non-ORW
2020/2022	NHRIV801030403-11	AMMONOOSUC RIVER	LITTLETON	3.460	MILES	Aquatic Life Integrity	pH	5-M					Non-ORW
2020/2022	NHRIV801030403-11	AMMONOOSUC RIVER	LITTLETON	3.460	MILES	Primary Contact Recreation	Escherichia coli	4A-M	9/27/2010	NEW HAMPSHIRE STATEWIDE BACTERIA	39272		Non-ORW
2020/2022	NHRIV801030403-16	AMMONOOSUC RIVER	LITTLETON, LISBON	4.900	MILES	Aquatic Life Integrity	Aluminum	5-M					Non-ORW
2020/2022	NHRIV801030403-16	AMMONOOSUC RIVER	LITTLETON, LISBON	4.900	MILES	Aquatic Life Integrity	pH	5-M					Non-ORW
2020/2022	NHRIV801030403-52	UNNAMED BROOK	BETHLEHEM	8.819	MILES								Review OneStop GIS
2020/2022	NHRIV801030503-05	UNNAMED BROOK - MILL BROOK	LANDAFF, EASTON	8.606	MILES								Review OneStop GIS
2020/2022	NHRIV801030503-07	AMMONOOSUC RIVER	LANDAFF, BATH, LISBON	1.757	MILES	Aquatic Life Integrity	pH	5-M					Non-ORW
2020/2022	NHRIV801030504-01	WILD AMMONOOSUC R - CLAY - STONY - BLACK - OLESONS - STARK FALLS -UNDERHILL BRKS	EASTON, BENTON, LINCOLN, WOODSTOCK	38.952	MILES								ORW
2020/2022	NHRIV801030504-02	TUNNEL BROOK - LITTLE TUNNEL BROOK - UNNAMED BROOK	BENTON, EASTON	16.817	MILES								ORW
2020/2022	NHRIV801030504-03	BEAVER BROOK	WOODSTOCK, BENTON	0.951	MILES								ORW
2020/2022	NHRIV801030505-02	BOWEN BROOK - UNNAMED BROOK	LANDAFF, EASTON	7.234	MILES								ORW
2020/2022	NHRIV801030505-03	WILD AMMONOOSUC RIVER	LANDAFF, EASTON	1.695	MILES								ORW
2020/2022	NHRIV801030505-04	WHITCHER BROOK	BENTON, LANDAFF	7.178	MILES								ORW
2020/2022	NHRIV801030505-08	WILD AMMONOOSUC RIVER	BATH, LANDAFF	8.343	MILES								Review OneStop GIS
2020/2022	NHRIV801030505-10	UNNAMED BROOK	BATH, LANDAFF	3.772	MILES								Review OneStop GIS
2020/2022	NHRIV801030505-11	PETTY BROOK - UNNAMED BROOK	LANDAFF, BATH	2.077	MILES								ORW
2020/2022	NHRIV801030505-12	UNNAMED BROOK	LANDAFF	1.007	MILES								ORW
2020/2022	NHRIV801030505-13	UNNAMED BROOK	LANDAFF	0.812	MILES								ORW
2020/2022	NHRIV801030505-14	DEARTH BROOK - UNNAMED BROOK	LANDAFF	3.616	MILES								ORW
2020/2022	NHRIV801030505-15	UNNAMED BROOK	LANDAFF	0.496	MILES								ORW
2020/2022	NHRIV801030505-16	UNNAMED BROOK	EASTON	0.400	MILES								ORW
2020/2022	NHRIV801030505-17	DAVIS BROOK - UNNAMED BROOK	BENTON, LANDAFF	3.808	MILES								ORW
2020/2022	NHRIV801030505-18	WHITCHER BROOK	BENTON	1.036	MILES								ORW
2020/2022	NHRIV801030505-19	BOWEN BROOK	LANDAFF	0.790	MILES								ORW
2020/2022	NHRIV801030506-02	PETTYBORO BROOK - UNNAMED BROOK - MOULTON HILL BROOK	LYMAN, BATH, MONROE	15.676	MILES	Aquatic Life Integrity	Fishes Bioassessments (Streams)	5-P					Non-ORW
2020/2022	NHRIV801030506-04	AMMONOOSUC RIVER	BATH	2.454	MILES	Aquatic Life Integrity	pH	5-M					Non-ORW
2020/2022	NHRIV801030506-10	AMMONOOSUC RIVER	BATH	4.765	MILES	Aquatic Life Integrity	Aluminum	5-M					Non-ORW
2020/2022	NHRIV801030701-01	SLIDE BROOK	BENTON	1.593	MILES								ORW
2020/2022	NHRIV801030701-02	OLIVERIAN BROOK - SLIDE BROOK - JEFFERS BROOK - UNNAMED BROOK - STILL BROOK	BENTON, WARREN	12.363	MILES								ORW
2020/2022	NHRIV801030701-03	OLIVERIAN BROOK - UNNAMED BROOK	BENTON, WARREN	4.110	MILES								ORW

2020/2022	NHRIV801030701-04	OLIVERIAN BROOK - UNNAMED BROOK	HAVERHILL, BENTON	14.916	MILES							Review OneStop GIS
2020/2022	NHRIV801030701-05	OLIVERIAN BROOK - UNNAMED BROOK - MORRIS BROOK	HAVERHILL, PIERMONT	25.035	MILES	Primary Contact Recreation	Escherichia coli	4A-P	9/21/2010	NEW HAMPSHIRE STATEWIDE BACTERIA	39273	Review OneStop GIS
2020/2022	NHRIV801030701-07	NORTH BRANCH OLIVERIAN BROOK - UNNAMED BROOK - WILMONT BROOK - TITUS BROOK	HAVERHILL, BENTON	18.062	MILES							Review OneStop GIS
2020/2022	NHRIV801030701-08	BLUEBERRY MOUNTAIN BROOK	BENTON	1.358	MILES							ORW
2020/2022	NHRIV801030703-01	CLARK BROOK	HAVERHILL, BENTON	15.440	MILES							Review OneStop GIS
2020/2022	NHRIV801030703-02	CLARK BROOK - UNNAMED BROOK	HAVERHILL	22.378	MILES	Aquatic Life Integrity	Aluminum	5-M				Non-ORW
2020/2022	NHRIV801030703-02	CLARK BROOK - UNNAMED BROOK	HAVERHILL	22.378	MILES	Aquatic Life Integrity	Fishes Bioassessments (Streams)	5-P				Non-ORW
2020/2022	NHRIV801030703-02	CLARK BROOK - UNNAMED BROOK	HAVERHILL	22.378	MILES	Primary Contact Recreation	Escherichia coli	4A-P	9/21/2010	NEW HAMPSHIRE STATEWIDE BACTERIA	39273	Non-ORW
2020/2022	NHRIV801040201-01	UNNAMED BROOK - TO LAKE KATHERINE	PIERMONT	1.209	MILES							ORW
2020/2022	NHRIV801040201-02	EASTMAN BROOK	WARREN	1.313	MILES							ORW
2020/2022	NHRIV801040201-03	EASTMAN BROOK	PIERMONT	1.200	MILES							ORW
2020/2022	NHRIV801040201-04	EASTMAN BROOK	PIERMONT	13.079	MILES							Review OneStop GIS
2020/2022	NHRIV801040201-07	UNNAMED BROOK	PIERMONT	0.783	MILES							ORW
2020/2022	NHRIV801040201-08	TARLETON LAKE-NORTHEAST INLET	PIERMONT, WARREN	0.332	MILES							ORW
2020/2022	NHRIV801040201-09	TARLETON LAKE-SOUTH INLET	WARREN	0.817	MILES							ORW
2020/2022	NHRIV801040201-10	UNNAMED BROOK - TO ARMINGTON LAKE THROGUH SOUTHWEST INLET NEAR PUBLIC LAUNCH	PIERMONT	1.107	MILES							ORW
2020/2022	NHRIV801040201-11	UNNAMED BROOK	PIERMONT	0.543	MILES							ORW
2020/2022	NHRIV801040201-12	ARMINGTON LAKE-INLET	PIERMONT	0.948	MILES							ORW
2020/2022	NHRIV801040202-01	NORTH BRANCH JACOBS BROOK	ORFORD	0.129	MILES							ORW
2020/2022	NHRIV801040202-03	SOUTH BRANCH JACOBS BROOK - UNNAMED BROOK	ORFORD, WENTWORTH	3.404	MILES							Review OneStop GIS
2020/2022	NHRIV801040202-04	JACOBS BROOK - NORTH BRANCH JACOBS BROOK - UNNAMED BROOK	ORFORD, WENTWORTH	3.937	MILES							Review OneStop GIS
2020/2022	NHRIV801040202-05	MOUSLEY BROOK	ORFORD, LYME	7.134	MILES							Review OneStop GIS
2020/2022	NHRIV801040204-01	GRANT BROOK	LYME	7.741	MILES							Review OneStop GIS
2020/2022	NHRIV801040204-02	GRANT BROOK	LYME	9.798	MILES	Aquatic Life Integrity	Fishes Bioassessments (Streams)	5-M				Review OneStop GIS
2020/2022	NHRIV801040204-02	GRANT BROOK	LYME	9.798	MILES	Primary Contact Recreation	Escherichia coli	5-M				Review OneStop GIS
2020/2022	NHRIV801040204-06	ROBINSON DETENTION POND EAST INLET	LYME	0.213	MILES	Primary Contact Recreation	Escherichia coli	4A-M	9/30/2013	44 Bacteria Impaired Waters	55221	Non-ORW
2020/2022	NHRIV801040205-02-02	BEAN BROOK-TOWN BEACH	PIERMONT	0.010	MILES	Primary Contact Recreation	Escherichia coli	4A-P	9/21/2010	NEW HAMPSHIRE STATEWIDE BACTERIA	39276	Non-ORW
2020/2022	NHRIV801040401-01	MINK BROOK - UNNAMED BROOK	HANOVER	16.290	MILES							Review OneStop GIS
2020/2022	NHRIV801040401-02	NORTH BRANCH MINK BROOK - TO HANOVER RESERVOIR	HANOVER	4.598	MILES							ORW
2020/2022	NHRIV801040401-03	MINK BROOK - UNNAMED BROOK	HANOVER	23.777	MILES							Review OneStop GIS
2020/2022	NHRIV801040401-05	MINK BROOK	HANOVER, LEBANON	13.656	MILES							Review OneStop GIS
2020/2022	NHRIV801040401-08	UNNAMED BROOK	HANOVER	0.382	MILES							ORW
2020/2022	NHRIV801040401-09	UNNAMED BROOK	HANOVER	0.630	MILES							ORW
2020/2022	NHRIV801040402-02	HEWES BROOK	LYME, HANOVER	2.373	MILES							Review OneStop GIS
2020/2022	NHRIV801040402-03	UNNAMED BROOK - TO WILDLIFE POND	HANOVER	5.740	MILES							Review OneStop GIS
2020/2022	NHRIV801040402-04	HEWES BROOK	LYME, HANOVER	16.097	MILES	Primary Contact Recreation	Escherichia coli	4A-M	9/30/2013	44 Bacteria Impaired Waters	55221	Review OneStop GIS
2020/2022	NHRIV801040402-24	CAMP BROOK - UNNAMED BROOK	HANOVER	1.590	MILES							Review OneStop GIS
2020/2022	NHRIV801060101-04	MUD POND BROOK - TO RESERVOIR POND	LYME, DORCHESTER	1.511	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV801060101-05	MASCOMA RIVER - BLACK BROOK	DORCHESTER	11.168	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV801060101-09	UNNAMED BROOK - TO NORTH INLET OF CANAAN STREET LAKE	CANAAN	1.805	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV801060101-09	UNNAMED BROOK - TO NORTH INLET OF CANAAN STREET LAKE	CANAAN	1.805	MILES	Primary Contact Recreation	Escherichia coli	4A-M	9/30/2013	44 Bacteria Impaired Waters	55223	Non-ORW
2020/2022	NHRIV801060101-11	MASCOMA RIVER - UNNAMED BROOK	CANAAN	16.625	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV801060101-13	CUTTER BROOK	LYME	0.281	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV801060101-16	CANAAN STREET LAKE-INLET AT FERNWOOD FARMS	CANAAN	3.185	MILES	Primary Contact Recreation	Escherichia coli	4A-M	9/30/2013	44 Bacteria Impaired Waters	55223	Non-ORW
2020/2022	NHRIV801060102-03	INDIAN RIVER - UNNAMED BROOK	CANAAN, ORANGE	12.909	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV801060102-03	INDIAN RIVER - UNNAMED BROOK	CANAAN, ORANGE	12.909	MILES	Primary Contact Recreation	Escherichia coli	4A-P	8/29/2011	58 NH BACTERIA IMPAIRED WATERS	40661	Non-ORW
2020/2022	NHRIV801060102-07	GULF BROOK - HAINES BROOK - UNNAMED BROOK	CANAAN, ENFIELD, GRAFTON	14.129	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV801060102-10	MOOSE BROOK	ENFIELD	0.323	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV801060103-01	PRESSEY BROOK - TUNIS BROOK - UNNAMED BROOK - CALL BROOK	HANOVER, LYME	18.457	MILES							Review OneStop GIS
2020/2022	NHRIV801060103-02	GOOSE POND BROOK - MARSHALL BROOK - TINKHAMTOWN BROOK	LYME, CANAAN, HANOVER	6.650	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV801060104-02	BICKNELL BROOK - UNNAMED BROOK	ENFIELD, GRAFTON	7.752	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV801060105-02	KNOW RIVER - UNNAMED BROOK	ENFIELD	6.659	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV801060105-05	MASCOMA RIVER	CANAAN, ENFIELD	6.819	MILES	Aquatic Life Integrity	Aluminum	5-M				Non-ORW
2020/2022	NHRIV801060105-05	MASCOMA RIVER	CANAAN, ENFIELD	6.819	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV801060105-05	MASCOMA RIVER	CANAAN, ENFIELD	6.819	MILES	Primary Contact Recreation	Escherichia coli	4A-P	9/21/2010	NEW HAMPSHIRE STATEWIDE BACTERIA	39273	Non-ORW
2020/2022	NHRIV801060105-07	MASCOMA RIVER	ENFIELD	0.983	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV801060105-08	LOVEJOY BROOK - SCALES BROOK - UNNAMED BROOK	HANOVER, CANAAN, ENFIELD	25.077	MILES	Primary Contact Recreation	Escherichia coli	4A-P	9/21/2010	NEW HAMPSHIRE STATEWIDE BACTERIA	39272	Review OneStop GIS
2020/2022	NHRIV801060105-11	MASCOMA RIVER - UNNAMED BROOK	ENFIELD	1.269	MILES	Primary Contact Recreation	Escherichia coli	4A-M	9/30/2013	44 Bacteria Impaired Waters	55221	Non-ORW
2020/2022	NHRIV801060105-17	BROWNS BROOK	ENFIELD	0.543	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV801060105-36	UNNAMED BROOK	HANOVER	1.039	MILES							ORW
2020/2022	NHRIV801060105-37	UNNAMED BROOK	HANOVER	0.427	MILES							ORW
2020/2022	NHRIV801060106-03	HARDY HILL BROOK - UNNAMED BROOK	LEBANON, HANOVER	11.288	MILES	Aquatic Life Integrity	Aluminum	5-M				Non-ORW
2020/2022	NHRIV801060106-03	HARDY HILL BROOK - UNNAMED BROOK	LEBANON, HANOVER	11.288	MILES	Aquatic Life Integrity	Lead	5-M				Non-ORW
2020/2022	NHRIV801060106-03	HARDY HILL BROOK - UNNAMED BROOK	LEBANON, HANOVER	11.288	MILES	Primary Contact Recreation	Escherichia coli	4A-P	9/21/2010	NEW HAMPSHIRE STATEWIDE BACTERIA	39269	Non-ORW
2020/2022	NHRIV801060106-04	BLODGETT BROOK	LEBANON, HANOVER	4.721	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV801060106-04	BLODGETT BROOK	LEBANON, HANOVER	4.721	MILES	Primary Contact Recreation	Escherichia coli	4A-P	9/21/2010	NEW HAMPSHIRE STATEWIDE BACTERIA	39269	Non-ORW
2020/2022	NHRIV801060106-05	BLODGETT BROOK - UNNAMED BROOK	LEBANON	2.887	MILES	Primary Contact Recreation	Escherichia coli	4A-P	9/21/2010	NEW HAMPSHIRE STATEWIDE BACTERIA	39269	Non-ORW
2020/2022	NHRIV801060106-09	GREAT BROOK - UNNAMED BROOK	LEBANON	5.335	MILES	Primary Contact Recreation	Escherichia coli	4B-M				Non-ORW
2020/2022	NHRIV801060106-15	MASCOMA RIVER	LEBANON	1.087	MILES	Primary Contact Recreation	Escherichia coli	4B-M				Non-ORW
2020/2022	NHRIV801060106-16	MASCOMA RIVER	LEBANON	0.687	MILES	Primary Contact Recreation	Escherichia coli	4B-M				Non-ORW
2020/2022	NHRIV801060106-17	MASCOMA RIVER	LEBANON	0.357	MILES	Primary Contact Recreation	Escherichia coli	4B-M				Non-ORW
2020/2022	NHRIV801060106-19	MASCOMA RIVER	LEBANON	0.417	MILES	Primary Contact Recreation	Escherichia coli	4B-M				Non-ORW
2020/2022	NHRIV801060106-20	MASCOMA RIVER	LEBANON	1.420	MILES	Primary Contact Recreation	Escherichia coli	4B-M				Non-ORW
2020/2022	NHRIV801060301-06	BLOODS BROOK - HIBBARD BROOK	PLAINFIELD, LEBANON	11.918	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV801060302-01	CONNECTICUT RIVER	LEBANON	1.402	MILES	Primary Contact Recreation	Escherichia coli	4B-M				Non-ORW
2020/2022	NHRIV801060302-05	CONNECTICUT RIVER	PLAINFIELD, CORNISH, LEBANON	14.498	MILES	Primary Contact Recreation	Escherichia coli	4B-M				Non-ORW
2020/2022	NHRIV801060303-04	WINE BROOK	CORNISH, PLAINFIELD	10.421	MILES	Aquatic Life Integrity	Benthic-Macroinvertebrate Bioassessments (Streams)	5-P				Non-ORW
2020/2022	NHRIV801060303-04	WINE BROOK	CORNISH, PLAINFIELD	10.421	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV801060303-08	BLOW-ME-DOWN BROOK - UNNAMED BROOK - CLAY BROOK	PLAINFIELD, CORNISH	8.055	MILES	Aquatic Life Integrity	Fishes Bioassessments (Streams)	5-P				Non-ORW

2020/2022	NHRIV801060303-10	BLOW ME DOWN BROOK	CORNISH, PLAINFIELD	8.179	MILES	Aquatic Life Integrity	Fishes Bioassessments (Streams)	5-P				Non-ORW
2020/2022	NHRIV801060303-11	BLOW-ME-DOWN BROOK	CORNISH	0.291	MILES	Aquatic Life Integrity	Aluminum	5-M				Non-ORW
2020/2022	NHRIV801060401-07	UNNAMED BROOK - SOUTH INLET TO KOLELEMOOK LAKE	SPRINGFIELD	0.874	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV801060401-13	BOG BROOK - FROM PALAZZI POND TO STOCKER POND	SPRINGFIELD, GRANTHAM	0.605	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV801060401-21	SKINNER BROOK - UNNAMED BROOK	GRANTHAM, PLAINFIELD	10.087	MILES	Aquatic Life Integrity	Fishes Bioassessments (Streams)	5-P				Non-ORW
2020/2022	NHRIV801060401-21	SKINNER BROOK - UNNAMED BROOK	GRANTHAM, PLAINFIELD	10.087	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV801060401-25	ANDERSON POND BROOK	GRANTHAM	0.418	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV801060401-26	STROING BROOK	GRANTHAM, ENFIELD	1.950	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV801060401-29	EASTMAN POND-NORTHEAST BROOK	ENFIELD	0.830	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV801060401-31	TAMARI BROOK	GRANTHAM	0.109	MILES	Aquatic Life Integrity	Chloride	5-M				Non-ORW
2020/2022	NHRIV801060401-33	NORTH COVE WEST BROOK	ENFIELD, GRANTHAM	0.166	MILES	Aquatic Life Integrity	Chloride	5-M				Non-ORW
2020/2022	NHRIV801060402-03	KIDDER BROOK - UNNAMED BROOK	SPRINGFIELD, NEW LONDON	4.703	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV801060402-04	BUCKLIN BROOK - TO LITTLE SUNAPEE LAKE	NEW LONDON	0.722	MILES	Aquatic Life Integrity	Chloride	5-M				Non-ORW
2020/2022	NHRIV801060402-04	BUCKLIN BROOK - TO LITTLE SUNAPEE LAKE	NEW LONDON	0.722	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV801060402-05	UNNAMED BROOK - TO LITTLE SUNAPEE LAKE FROM INLET WEST OF COLBY POINT	SPRINGFIELD, NEW LONDON	1.371	MILES	Aquatic Life Integrity	pH	5-P				Non-ORW
2020/2022	NHRIV801060402-06	NORTH BRANCH SUGAR RIVER	NEW LONDON	1.023	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV801060402-07	LITTLE SUNAPEE BROOK - FROM GOOSE POND TO OTTER POND	NEW LONDON	0.272	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV801060402-09	OTTER BROOK - UNNAMED BROOKS	SPRINGFIELD, SUNAPEE	6.462	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV801060402-11	OTTER BROOK - FROM OTTER POND TO SUNAPEE LAKE	SUNAPEE	0.230	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV801060402-12	MCALVIN BROOK - TO BAPTIST POND	SPRINGFIELD	3.054	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV801060402-13	STONEY BROOK - TO BAPTIST POND	SPRINGFIELD	0.866	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV801060402-14	PROSPECT HILL BROOK - TO LEDGE POND	SUNAPEE, SPRINGFIELD	1.604	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV801060402-16	GEORGES MILL BROOK - TO SUNAPEE LAKE	SUNAPEE	2.913	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV801060402-17	UNNAMED BROOK - TO HERRICK COVE SUNAPEE LAKE	NEW LONDON	0.754	MILES	Aquatic Life Integrity	Chloride	5-M				Non-ORW
2020/2022	NHRIV801060402-18	HERRICK COVE BROOK - TO SUNAPEE LAKE	NEW LONDON	0.661	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV801060402-20	JOBS CREEK - TO SUNAPEE LAKE	SUNAPEE	0.030	MILES	Aquatic Life Integrity	pH	5-P				Non-ORW
2020/2022	NHRIV801060402-22	PIKE BROOK - TO SUNAPEE LAKE	NEW LONDON, SUTTON	3.247	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV801060402-23	PIKE BROOK - UNNAMED BROOKS	NEWBURY, NEW LONDON, SUTTON	4.318	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV801060402-24	BLODGETT BROOK	NEWBURY	5.013	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV801060402-25	BARTLETT BROOK - TO SUNAPEE LAKE	NEWBURY	1.492	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV801060402-27	NORTH BROOK - TO MOUNTAINVIEW LAKE	SUNAPEE, GOSHEN	1.046	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV801060402-29	JOHNSON BROOK	NEWBURY, SUNAPEE	5.395	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV801060402-30	SKATING POND BROOK - TO SUNAPEE LAKE	NEWBURY	1.416	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV801060402-38	MURRAY POND BROOK	NEW LONDON	0.245	MILES	Aquatic Life Integrity	pH	5-P				Non-ORW
2020/2022	NHRIV801060402-39	MURRAY POND BROOK	NEW LONDON	0.068	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV801060402-45	BAPTIST BROOK	SUNAPEE, SPRINGFIELD	0.807	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV801060402-46	EAGLE ROCK BROOK	SUNAPEE	0.208	MILES	Aquatic Life Integrity	Chloride	5-M				Non-ORW
2020/2022	NHRIV801060402-46	EAGLE ROCK BROOK	SUNAPEE	0.208	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV801060402-52	UNNAMED BROOK	NEWBURY	1.876	MILES	Aquatic Life Integrity	pH	5-P				Non-ORW
2020/2022	NHRIV801060402-54	PINE CLIFF BROOK	NEWBURY	1.126	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV801060402-57	HAMEL BROOK	SUNAPEE, GOSHEN	1.605	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV801060402-58	MOUNTAINVIEW LAKE-ROUTE 103 INLET	SUNAPEE, NEWBURY	0.255	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV801060402-59	MUD POND BROOK	SUNAPEE	0.834	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV801060402-60	CHALK POND-HILLTOP DRIVE INLET	NEWBURY	0.356	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV801060403-10	SOUTH BRANCH SUGAR RIVER - BLOOD BROOK - TROW BROOK	GOSHEN, LEMPSTER, UNITY	12.954	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV801060403-11	GUNNISON BROOK	GOSHEN, NEWBURY	11.103	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV801060403-12	SOUTH BRANCH SUGAR RIVER - GUNNISON BROOK	GOSHEN, NEWPORT, UNITY	13.897	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV801060403-12	SOUTH BRANCH SUGAR RIVER - GUNNISON BROOK	GOSHEN, NEWPORT, UNITY	13.897	MILES	Primary Contact Recreation	Escherichia coli	4A-P	9/21/2010	NEW HAMPSHIRE STATEWIDE BACTERIA	39273	Non-ORW
2020/2022	NHRIV801060404-11	NORTH BRANCH SUGAR RIVER - PERKINS BROOK	CROYDON	8.299	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV801060404-11	NORTH BRANCH SUGAR RIVER - PERKINS BROOK	CROYDON	8.299	MILES	Primary Contact Recreation	Escherichia coli	4A-M	9/21/2010	NEW HAMPSHIRE STATEWIDE BACTERIA	39273	Non-ORW
2020/2022	NHRIV801060404-15	ROCKYBOUND POND-PUBLIC BEACH INLET	CROYDON	0.373	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV801060405-08	LONG POND BROOK	SUNAPEE, CROYDON	2.801	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV801060405-10	SUGAR RIVER	SUNAPEE, NEWPORT	1.133	MILES	Aquatic Life Integrity	Oxygen, Dissolved	5-T				Non-ORW
2020/2022	NHRIV801060405-10	SUGAR RIVER	SUNAPEE, NEWPORT	1.133	MILES	Aquatic Life Integrity	pH	5-P				Non-ORW
2020/2022	NHRIV801060405-10	SUGAR RIVER	SUNAPEE, NEWPORT	1.133	MILES	Primary Contact Recreation	Escherichia coli	4A-P	9/21/2010	NEW HAMPSHIRE STATEWIDE BACTERIA	39273	Non-ORW
2020/2022	NHRIV801060405-17	LONG POND BROOK	SUNAPEE, CROYDON	7.290	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV801060405-25	SUGAR RIVER	NEWPORT	0.572	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV801060405-25	SUGAR RIVER	NEWPORT	0.572	MILES	Primary Contact Recreation	Escherichia coli	4A-P	9/21/2010	NEW HAMPSHIRE STATEWIDE BACTERIA	39272	Non-ORW
2020/2022	NHRIV801060405-27	SUGAR RIVER	NEWPORT	1.507	MILES	Aquatic Life Integrity	Aluminum	5-M				Non-ORW
2020/2022	NHRIV801060405-27	SUGAR RIVER	NEWPORT	1.507	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV801060405-27	SUGAR RIVER	NEWPORT	1.507	MILES	Primary Contact Recreation	Escherichia coli	4A-M	9/21/2010	NEW HAMPSHIRE STATEWIDE BACTERIA	39272	Non-ORW
2020/2022	NHRIV801060405-29	SUGAR RIVER	NEWPORT	1.753	MILES	Aquatic Life Integrity	Oxygen, Dissolved	5-T				Non-ORW
2020/2022	NHRIV801060405-30	CEMETERY HILL BROOK - TO PERKINS POND	SUNAPEE	0.742	MILES	Aquatic Life Integrity	pH	5-P				Non-ORW
2020/2022	NHRIV801060405-31	UNNAMED BROOK - TO PERKINS POND	SUNAPEE	0.191	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV801060405-32	UNNAMED BROOK - TO PERKINS POND	SUNAPEE	0.246	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV801060406-30	SUGAR RIVER	NEWPORT, CLAREMONT	12.532	MILES	Aquatic Life Integrity	Aluminum	5-M				Non-ORW
2020/2022	NHRIV801060406-30	SUGAR RIVER	NEWPORT, CLAREMONT	12.532	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV801060406-30	SUGAR RIVER	NEWPORT, CLAREMONT	12.532	MILES	Primary Contact Recreation	Escherichia coli	4A-P	9/21/2010	NEW HAMPSHIRE STATEWIDE BACTERIA	39272	Non-ORW
2020/2022	NHRIV801060407-09-02	SUGAR RIVER	CLAREMONT	2.473	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV801060407-09-02	SUGAR RIVER	CLAREMONT	2.473	MILES	Primary Contact Recreation	Escherichia coli	4A-M	9/21/2010	NEW HAMPSHIRE STATEWIDE BACTERIA	39272	Non-ORW
2020/2022	NHRIV801060407-16	SUGAR RIVER	CLAREMONT	1.715	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV801060407-16	SUGAR RIVER	CLAREMONT	1.715	MILES	Primary Contact Recreation	Escherichia coli	4A-M	9/21/2010	NEW HAMPSHIRE STATEWIDE BACTERIA	39272	Non-ORW
2020/2022	NHRIV801060701-05	CHASE BROOK	UNITY	9.496	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV801060701-05	CHASE BROOK	UNITY	9.496	MILES	Primary Contact Recreation	Escherichia coli	4A-P	9/21/2010	NEW HAMPSHIRE STATEWIDE BACTERIA	39273	Non-ORW
2020/2022	NHRIV801060702-12	CONNECTICUT RIVER	CHARLESTOWN, CLAREMONT	15.386	MILES	Aquatic Life Integrity	Non-Native Aquatic Plants	4C-M				Non-ORW
2020/2022	NHRIV801060703-06	CLAY BROOK - UNNAMED BROOK	CHARLESTOWN	2.349	MILES	Aquatic Life Integrity	Fishes Bioassessments (Streams)	5-P				Non-ORW
2020/2022	NHRIV801070201-01	COLD RIVER	UNITY, ACWORTH	4.812	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV801070201-01	COLD RIVER	UNITY, ACWORTH	4.812	MILES	Primary Contact Recreation	Escherichia coli	4A-M	9/30/2013	44 Bacteria Impaired Waters	55221	Non-ORW
2020/2022	NHRIV801070201-03	UNNAMED BROOK - TO CRESCENT LAKE FROM NORTHEAST INLET	UNITY, ACWORTH	4.583	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV801070201-03	UNNAMED BROOK - TO CRESCENT LAKE FROM NORTHEAST INLET	UNITY, ACWORTH	4.583	MILES	Primary Contact Recreation	Escherichia coli	4A-M	9/30/2013	44 Bacteria Impaired Waters	55221	Non-ORW
2020/2022	NHRIV801070201-06	COLD RIVER	LEMPSTER, ACWORTH, UNITY	9.871	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV801070201-08	COLD RIVER - UNDERWOOD BROOK	ACWORTH, LEMPSTER	12.429	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW

2020/2022	NHRIV801070201-08	COLD RIVER - UNDERWOOD BROOK	ACWORTH, LEMPSTER	12.429	MILES	Primary Contact Recreation	Escherichia coli	4A-P	9/21/2010	NEW HAMPSHIRE STATEWIDE BACTERIA	39273	Non-ORW
2020/2022	NHRIV801070201-09	UNNAMED BROOK - DODGE POND NORTH INLET	LEMPSTER	0.566	MILES	Aquatic Life Integrity	Dissolved oxygen saturation	5-M				Non-ORW
2020/2022	NHRIV801070201-09	UNNAMED BROOK - DODGE POND NORTH INLET	LEMPSTER	0.566	MILES	Aquatic Life Integrity	Oxygen, Dissolved	5-P				Non-ORW
2020/2022	NHRIV801070201-09	UNNAMED BROOK - DODGE POND NORTH INLET	LEMPSTER	0.566	MILES	Aquatic Life Integrity	pH	5-P				Non-ORW
2020/2022	NHRIV801070201-11	DODGE BROOK - UNNAMED BROOK	LEMPSTER	6.213	MILES	Aquatic Life Integrity	Benthic-Macroinvertebrate Bioassessments (Streams)	5-P				Non-ORW
2020/2022	NHRIV801070201-11	DODGE BROOK - UNNAMED BROOK	LEMPSTER	6.213	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV801070201-12	DODGE BROOK	LEMPSTER	5.584	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV801070201-13	HAMLIN BROOK	LEMPSTER	7.787	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV801070201-14	DODGE BROOK - UNNAMED BROOK	LEMPSTER, MARLOW	4.544	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV801070201-16	COLD RIVER - DODGE BROOK - HONEY BROOK - UNNAMED BROOK	ACWORTH, LEMPSTER	8.714	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV801070201-23	WEST INLET TO DODGE POND	LEMPSTER	0.366	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV801070201-24	UNNAMED TRIB TO DODGE BK	LEMPSTER	0.263	MILES	Aquatic Life Integrity	pH	5-P				Non-ORW
2020/2022	NHRIV801070201-27	DODGE POND - EAST INLET - UNNAMED BROOK	LEMPSTER	1.239	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV801070201-28	DODGE BROOK - UNNAMED BROOK	LEMPSTER	1.626	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV801070202-01	HONEY BROOK	ACWORTH, LEMPSTER, MARLOW	13.443	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV801070202-02	COLD RIVER	ACWORTH	10.451	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV801070202-04	COLD RIVER - BOWERS BROOK	ACWORTH	7.929	MILES	Aquatic Life Integrity	Other flow regime alterations	4C-P				Non-ORW
2020/2022	NHRIV801070202-04	COLD RIVER - BOWERS BROOK	ACWORTH	7.929	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV801070202-04	COLD RIVER - BOWERS BROOK	ACWORTH	7.929	MILES	Primary Contact Recreation	Escherichia coli	4A-M	9/21/2010	NEW HAMPSHIRE STATEWIDE BACTERIA	39273	Non-ORW
2020/2022	NHRIV801070202-05	COLD RIVER - MILLIKEN BROOK	ACWORTH	6.788	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV801070202-06	GREAT BROOK	ALSTEAD, MARLOW	6.235	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV801070202-07	GREAT BROOK - UNNAMED BROOK	ACWORTH, ALSTEAD, MARLOW	9.864	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV801070202-08	COLD RIVER - GREAT BROOK	ACWORTH, ALSTEAD, LANGDON	8.332	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV801070202-09	CRANE BROOK - UNNAMED BROOK	ACWORTH, ALSTEAD, LANGDON	7.099	MILES	Aquatic Life Integrity	Ammonia (Total)	5-M				Non-ORW
2020/2022	NHRIV801070202-09	CRANE BROOK - UNNAMED BROOK	ACWORTH, ALSTEAD, LANGDON	7.099	MILES	Aquatic Life Integrity	Benthic-Macroinvertebrate Bioassessments (Streams)	5-P				Non-ORW
2020/2022	NHRIV801070202-09	CRANE BROOK - UNNAMED BROOK	ACWORTH, ALSTEAD, LANGDON	7.099	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV801070202-09	CRANE BROOK - UNNAMED BROOK	ACWORTH, ALSTEAD, LANGDON	7.099	MILES	Primary Contact Recreation	Escherichia coli	4A-P	9/21/2010	NEW HAMPSHIRE STATEWIDE BACTERIA	39273	Non-ORW
2020/2022	NHRIV801070203-01	SMITH HILL BROOK - TO LAKE WARREN	ALSTEAD	4.499	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV801070203-02	WARREN BROOK - UNNAMED BROOK	ALSTEAD	0.953	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV801070203-03	WARREN BROOK - CAMP BROOK	ALSTEAD	17.679	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV801070203-04	COLD RIVER - WARREN BROOK - UNNAMED BROOK	ALSTEAD, LANGDON	10.766	MILES	Aquatic Life Integrity	Aluminum	5-M				Non-ORW
2020/2022	NHRIV801070203-04	COLD RIVER - WARREN BROOK - UNNAMED BROOK	ALSTEAD, LANGDON	10.766	MILES	Aquatic Life Integrity	Fishes Bioassessments (Streams)	5-M				Non-ORW
2020/2022	NHRIV801070203-04	COLD RIVER - WARREN BROOK - UNNAMED BROOK	ALSTEAD, LANGDON	10.766	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV801070203-04	COLD RIVER - WARREN BROOK - UNNAMED BROOK	ALSTEAD, LANGDON	10.766	MILES	Primary Contact Recreation	Escherichia coli	4A-P	9/21/2010	NEW HAMPSHIRE STATEWIDE BACTERIA	39273	Non-ORW
2020/2022	NHRIV801070203-07	GREAT BROOK - UNNAMED BROOK - LITTLE BROOK - UNNAMED TRIB TO TLITTLE BROOK	LANGDON, ACWORTH, CHARLESTOWN	21.648	MILES	Aquatic Life Integrity	Oxygen, Dissolved	5-M				Non-ORW
2020/2022	NHRIV801070203-07	GREAT BROOK - UNNAMED BROOK - LITTLE BROOK - UNNAMED TRIB TO TLITTLE BROOK	LANGDON, ACWORTH, CHARLESTOWN	21.648	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV801070203-08	GREAT BROOK - RAM BROOK - UNNAMED BROOK	LANGDON	10.894	MILES	Aquatic Life Integrity	Benthic-Macroinvertebrate Bioassessments (Streams)	5-P				Non-ORW
2020/2022	NHRIV801070203-08	GREAT BROOK - RAM BROOK - UNNAMED BROOK	LANGDON	10.894	MILES	Aquatic Life Integrity	Oxygen, Dissolved	5-P				Non-ORW
2020/2022	NHRIV801070203-08	GREAT BROOK - RAM BROOK - UNNAMED BROOK	LANGDON	10.894	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV801070203-09	COLD RIVER	WALPOLE, LANGDON	3.604	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV801070203-09	COLD RIVER	WALPOLE, LANGDON	3.604	MILES	Primary Contact Recreation	Escherichia coli	4A-P	9/21/2010	NEW HAMPSHIRE STATEWIDE BACTERIA	39273	Non-ORW
2020/2022	NHRIV801070203-10	MOUNTAIN BROOK	LANGDON, WALPOLE	2.915	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV801070203-12	COLD RIVER	WALPOLE	1.146	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV801070203-13	SPRUCE RIVER	ALSTEAD	0.718	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV801070203-14	PICKERAL COVE BROOK	ALSTEAD	0.140	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV801070203-22	HALE BROOK - CARMEN COVE BROOK - UNNAMED BROOK	ALSTEAD	5.360	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV801070501-10-01	CONNECTICUT RIVER - BYPASSED RIVER REACH BELOW BELLOWS FALLS DAM	WALPOLE	0.912	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV801070502-04	CHICKERING FARM BROOK	WESTMORELAND	2.748	MILES	Primary Contact Recreation	Escherichia coli	4A-M	9/30/2013	44 Bacteria Impaired Waters	55221	Non-ORW
2020/2022	NHRIV801070503-02	PARTRIDGE BROOK - UNNAMED BROOK	CHESTERFIELD, WESTMORELAND	14.074	MILES	Primary Contact Recreation	Escherichia coli	4A-P	9/27/2010	NEW HAMPSHIRE STATEWIDE BACTERIA	39273	Non-ORW
2020/2022	NHRIV801070503-03	PARTRIDGE BROOK - UNNAMED BROOK	WESTMORELAND, CHESTERFIELD	28.270	MILES	Aquatic Life Integrity	Fishes Bioassessments (Streams)	5-P				Non-ORW
2020/2022	NHRIV801070503-03	PARTRIDGE BROOK - UNNAMED BROOK	WESTMORELAND, CHESTERFIELD	28.270	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV801070503-03	PARTRIDGE BROOK - UNNAMED BROOK	WESTMORELAND, CHESTERFIELD	28.270	MILES	Primary Contact Recreation	Escherichia coli	4A-M	9/21/2010	NEW HAMPSHIRE STATEWIDE BACTERIA	39272	Non-ORW
2020/2022	NHRIV801070503-07	WASES GROVE INLET	CHESTERFIELD	0.948	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV801070503-07	WASES GROVE INLET	CHESTERFIELD	0.948	MILES	Primary Contact Recreation	Escherichia coli	4A-M	9/30/2013	44 Bacteria Impaired Waters	55223	Non-ORW
2020/2022	NHRIV801070503-08	CAMP SPOFFORD INLET - UNNAMED BROOK	CHESTERFIELD	1.243	MILES	Primary Contact Recreation	Escherichia coli	4A-M	9/30/2013	44 Bacteria Impaired Waters	55223	Non-ORW
2020/2022	NHRIV801070503-10	SEAMANS INLET	CHESTERFIELD	0.385	MILES	Aquatic Life Integrity	Chloride	5-M				Non-ORW
2020/2022	NHRIV801070503-10	SEAMANS INLET	CHESTERFIELD	0.385	MILES	Primary Contact Recreation	Escherichia coli	4A-P	8/29/2011	58 NH BACTERIA IMPAIRED WATERS	40664	Non-ORW
2020/2022	NHRIV801070505-10	CONNECTICUT RIVER	WESTMORELAND, CHESTERFIELD	13.136	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV801070507-01	WEST RIVER - ASH SWAMP BROOK - LILY POND BROOK - UNNAMED BROOK	HINSDALE, CHESTERFIELD	14.693	MILES	Aquatic Life Integrity	Benthic-Macroinvertebrate Bioassessments (Streams)	5-P				Non-ORW
2020/2022	NHRIV801070507-01	WEST RIVER - ASH SWAMP BROOK - LILY POND BROOK - UNNAMED BROOK	HINSDALE, CHESTERFIELD	14.693	MILES	Aquatic Life Integrity	Oxygen, Dissolved	5-P				Non-ORW
2020/2022	NHRIV802010101-01	CHERRY BROOK - UNNAMED BROOK	GOSHEN, WASHINGTON	5.316	MILES							ORW
2020/2022	NHRIV802010101-02	ASHUELOT RIVER	WASHINGTON	0.100	MILES							ORW
2020/2022	NHRIV802010101-03	ASHUELOT RIVER	WASHINGTON	0.131	MILES							ORW
2020/2022	NHRIV802010101-04	UNNAMED BROOKS - TO BUTTERFIELD POND	LEMPSTER, WASHINGTON	2.814	MILES							ORW
2020/2022	NHRIV802010101-05	UNNAMED BROOK - FROM BACON POND TO MAY POND	WASHINGTON	0.472	MILES							ORW
2020/2022	NHRIV802010101-06	UNNAMED BROOK - TO FLETCHER POND	WASHINGTON	0.554	MILES							ORW
2020/2022	NHRIV802010101-07	UNNAMED BROOKS - TO SAUNDERS DAME	WASHINGTON	0.981	MILES							ORW
2020/2022	NHRIV802010101-08	ASHUELOT RIVER	WASHINGTON, LEMPSTER	9.423	MILES	Primary Contact Recreation	Escherichia coli	4A-P	9/27/2010	NEW HAMPSHIRE STATEWIDE BACTERIA	39273	ORW
2020/2022	NHRIV802010101-09	RICHARDSON BROOK	LEMPSTER	1.554	MILES							ORW
2020/2022	NHRIV802010101-10	ASHUELOT RIVER - RICHARDSON BROOK	LEMPSTER	9.659	MILES							ORW
2020/2022	NHRIV802010101-11	BACK COVE BROOK - TO LONG POND	LEMPSTER	1.014	MILES							ORW
2020/2022	NHRIV802010101-12	ASHUELOT RIVER	WASHINGTON, LEMPSTER	6.777	MILES							ORW
2020/2022	NHRIV802010101-14	SAND POND BROOK - TO ASHUELOT POND	WASHINGTON, MARLOW	0.457	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV802010101-15	MARINA BROOK - TO ASHUELOT POND	WASHINGTON	1.569	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV802010101-16	UNNAMED BROOK - TO MILLEN LAKE NEAR TOWN BEACH	WASHINGTON	0.747	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV802010101-17	MILLEN POND BROOK - TO ASHUELOT LAKE	WASHINGTON	8.678	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV802010101-19	UNNAMED BROOK - TO SAND POND	MARLOW	0.279	MILES	Aquatic Life Integrity	pH	5-P				Non-ORW
2020/2022	NHRIV802010101-19	UNNAMED BROOK - TO SAND POND	MARLOW	0.279	MILES	Primary Contact Recreation	Escherichia coli	4A-M	9/21/2010	NEW HAMPSHIRE STATEWIDE BACTERIA	39273	Non-ORW
2020/2022	NHRIV802010101-20	UNNAMED BROOK - TO SAND POND	MARLOW	0.098	MILES	Primary Contact Recreation	Escherichia coli	4A-P	9/21/2010	NEW HAMPSHIRE STATEWIDE BACTERIA	39273	Non-ORW
2020/2022	NHRIV802010101-21	UNNAMED BROOK	WASHINGTON	0.641	MILES							ORW
2020/2022	NHRIV802010101-22	VICKERY POND INLET	WASHINGTON	0.417	MILES							ORW

2020/2022	NHRIV802010101-23	UNNAMED BROOK	WASHINGTON	0.176	MILES							ORW
2020/2022	NHRIV802010101-24	UNNAMED BROOK	WASHINGTON	0.458	MILES							ORW
2020/2022	NHRIV802010101-25	UNNAMED BROOK	WASHINGTON	0.461	MILES							ORW
2020/2022	NHRIV802010101-26	UNNAMED BROOK	LEMPSTER	0.551	MILES							ORW
2020/2022	NHRIV802010101-27	UNNAMED BROOK	LEMPSTER	0.471	MILES							ORW
2020/2022	NHRIV802010101-28	UNNAMED BROOK	LEMPSTER	0.678	MILES							ORW
2020/2022	NHRIV802010101-29	LONG POND-BACK COVE	LEMPSTER	0.207	MILES							ORW
2020/2022	NHRIV802010101-30	SPAULDING INLET	LEMPSTER	0.593	MILES	Aquatic Life Integrity	pH	5-P				Non-ORW
2020/2022	NHRIV802010101-31	MACRI INLET	LEMPSTER	0.375	MILES	Aquatic Life Integrity	pH	5-P				Non-ORW
2020/2022	NHRIV802010101-32	BRIGGS INLET	LEMPSTER	0.316	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV802010101-33	ALLEN INLET	LEMPSTER	0.072	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV802010101-39	PERRYS POND INLET	WASHINGTON	0.659	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV802010101-42	UNNAMED BROOK	LEMPSTER	2.389	MILES							ORW
2020/2022	NHRIV802010101-43	RICHARDSON BROOK - UNNAMED BROOK	LEMPSTER	2.057	MILES							ORW
2020/2022	NHRIV802010101-44	UNNAMED BROOK	WASHINGTON	0.802	MILES							ORW
2020/2022	NHRIV802010101-45	UNNAMED BROOK	WASHINGTON	0.459	MILES							ORW
2020/2022	NHRIV802010101-46	UNNAMED BROOK	WASHINGTON	0.463	MILES							ORW
2020/2022	NHRIV802010101-47	UNNAMED BROOK	WASHINGTON	0.076	MILES							ORW
2020/2022	NHRIV802010101-48	UNNAMED BROOK	WASHINGTON	0.633	MILES							ORW
2020/2022	NHRIV802010101-49	UNNAMED BROOK	WASHINGTON, GOSHEN	1.083	MILES							ORW
2020/2022	NHRIV802010101-50	UNNAMED BROOK	WASHINGTON	0.300	MILES							ORW
2020/2022	NHRIV802010102-01	ASHUELOT RIVER	WASHINGTON	0.130	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV802010102-11	ASHUELOT RIVER - UNNAMED BROOK	MARLOW, STODDARD	2.335	MILES	Aquatic Life Integrity	pH	5-P				Non-ORW
2020/2022	NHRIV802010102-11	ASHUELOT RIVER - UNNAMED BROOK	MARLOW, STODDARD	2.335	MILES	Primary Contact Recreation	Escherichia coli	4A-P	8/29/2011	58 NH BACTERIA IMPAIRED WATERS	40661	Non-ORW
2020/2022	NHRIV802010103-02	GRASSY BROOK - HALE BROOK	MARLOW, ALSTEAD	13.912	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV802010103-22	ASHUELOT RIVER	GILSUM, MARLOW, SULLIVAN	5.516	MILES	Aquatic Life Integrity	pH	5-P				Non-ORW
2020/2022	NHRIV802010103-22	ASHUELOT RIVER	GILSUM, MARLOW, SULLIVAN	5.516	MILES	Primary Contact Recreation	Escherichia coli	4A-P	9/21/2010	NEW HAMPSHIRE STATEWIDE BACTERIA	39273	Non-ORW
2020/2022	NHRIV802010104-08	DART BROOK	GILSUM, ALSTEAD, SURRY	5.939	MILES	Aquatic Life Integrity	Fishes Bioassessments (Streams)	5-M				Non-ORW
2020/2022	NHRIV802010201-03	END CAMP BROOK - TO CENTER POND	STODDARD	0.940	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV802010201-04	OTTER BROOK	STODDARD	2.635	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV802010201-11	OTTER BROOK - UNNAMED BROOK - BOLSTER BROOK	STODDARD, NELSON, SULLIVAN	10.438	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV802010201-13	UNNAMED BROOKS - FROM INLET SOUTH OF HAMILTON BEACH TO GRANITE LAKE	STODDARD, NELSON	5.057	MILES	Aquatic Life Integrity	pH	5-P				Non-ORW
2020/2022	NHRIV802010201-15	GRANITE LAKE BROOK - TO OTTER BROOK	NELSON, SULLIVAN	12.093	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV802010201-16	WEGMAN BROOK - TO CHAPMAN POND	SULLIVAN	1.064	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV802010201-17	SPAULDING BROOK - GREAT BROOK - UNNAMED BROOKS	SULLIVAN, STODDARD	8.125	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV802010201-18	OTTER BROOK - SPAULDING BROOK - MEETINGHOUSE BROOK - UNNAMED BROOK	SULLIVAN, ROXBURY	4.716	MILES	Aquatic Life Integrity	Aluminum	5-M				Non-ORW
2020/2022	NHRIV802010201-18	OTTER BROOK - SPAULDING BROOK - MEETINGHOUSE BROOK - UNNAMED BROOK	SULLIVAN, ROXBURY	4.716	MILES	Aquatic Life Integrity	pH	5-P				Non-ORW
2020/2022	NHRIV802010201-19	OTTER BROOK - HUBBARD BROOK - UNNAMED BROOK - WHEELER BROOK	SULLIVAN, KEENE, NELSON, ROXBURY	15.249	MILES	Aquatic Life Integrity	Aluminum	5-M				Non-ORW
2020/2022	NHRIV802010201-19	OTTER BROOK - HUBBARD BROOK - UNNAMED BROOK - WHEELER BROOK	SULLIVAN, KEENE, NELSON, ROXBURY	15.249	MILES	Aquatic Life Integrity	pH	5-P				Non-ORW
2020/2022	NHRIV802010201-22	MELVILLE HILL BROOK - TO GRANITE LAKE	STODDARD	0.656	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV802010201-25	GRANITE LAKE-395 LAKE SHORE ROAD	STODDARD	0.566	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV802010201-27	UNNAMED BROOK - TO GRANITE LAKE FROM INLET DUE WEST OF ISLAND	STODDARD	0.175	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV802010201-29	UNNAMED BROOK - TO GRANITE LAKE FROM NORTHWEST INLET IN LARGE COVE ON WEST SHORE	STODDARD	0.212	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV802010201-30	GRANITE LAKE-NORTH SHORE WEST SHORE	STODDARD	0.294	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV802010202-13	HOWE RESERVOIR BROOK - TO RUSSELL RESERVOIR	HARRISVILLE	0.322	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV802010202-14	MINNEWAWA BROOK - UNNAMED BROOK	HARRISVILLE, MARLBOROUGH	3.283	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV802010202-16	MINNEWAWA BROOK - ROBBINS BROOK - UNNAMED BROOK	MARLBOROUGH, ROXBURY	6.484	MILES	Primary Contact Recreation	Escherichia coli	4A-P	9/21/2010	NEW HAMPSHIRE STATEWIDE BACTERIA	39273	Non-ORW
2020/2022	NHRIV802010202-23	BEAVER BROOK - UNNAMED BROOK	KEENE	10.745	MILES	Aquatic Life Integrity	Benthic-Macroinvertebrate Bioassessments (Streams)	5-M				Non-ORW
2020/2022	NHRIV802010202-23	BEAVER BROOK - UNNAMED BROOK	KEENE	10.745	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV802010202-26	CHARCOAL BROOK	DUBLIN	7.408	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV802010202-28	SUCKER BROOK - UPPER SUCKER BROOK	NELSON	1.418	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV802010202-30	LEAD MINE INLET 2	NELSON	0.589	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV802010202-31	SANDY BCH INLET 1	NELSON	1.437	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV802010202-32	EASTSIDE INLET	HARRISVILLE	0.417	MILES	Aquatic Life Integrity	pH	5-P				Non-ORW
2020/2022	NHRIV802010202-33	SILVER LAKE-OUTLET IN STREAM	HARRISVILLE	0.305	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV802010202-43	OAK HILL EAST	DUBLIN	0.823	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV802010202-44	ALDRIDGE	DUBLIN	0.163	MILES	Primary Contact Recreation	Escherichia coli	4A-M	9/30/2013	44 Bacteria Impaired Waters	55221	Non-ORW
2020/2022	NHRIV802010202-45	CEMETERY COVE	DUBLIN	0.262	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV802010301-04	ASHUELOT RIVER - ACOE DAM TO ASHUELOT RIVER DAM POND	KEENE, SURRY	6.691	MILES	Aquatic Life Integrity	pH	5-P				Non-ORW
2020/2022	NHRIV802010301-04	ASHUELOT RIVER - ACOE DAM TO ASHUELOT RIVER DAM POND	KEENE, SURRY	6.691	MILES	Primary Contact Recreation	Escherichia coli	4A-M	8/29/2011	58 NH BACTERIA IMPAIRED WATERS	40661	Non-ORW
2020/2022	NHRIV802010301-05	BLACK BROOK - DICKINSON BROOK - UNNAMED BROOK	KEENE, SURRY, WESTMORELAND	19.276	MILES	Aquatic Life Integrity	Benthic-Macroinvertebrate Bioassessments (Streams)	5-P				Non-ORW
2020/2022	NHRIV802010301-05	BLACK BROOK - DICKINSON BROOK - UNNAMED BROOK	KEENE, SURRY, WESTMORELAND	19.276	MILES	Aquatic Life Integrity	Dissolved oxygen saturation	5-P				Non-ORW
2020/2022	NHRIV802010301-05	BLACK BROOK - DICKINSON BROOK - UNNAMED BROOK	KEENE, SURRY, WESTMORELAND	19.276	MILES	Aquatic Life Integrity	Oxygen, Dissolved	5-P				Non-ORW
2020/2022	NHRIV802010301-05	BLACK BROOK - DICKINSON BROOK - UNNAMED BROOK	KEENE, SURRY, WESTMORELAND	19.276	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV802010301-09	ASHUELOT RIVER - ASHUELOT RIVER DAM POND TO OTTER BR	KEENE	1.798	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV802010301-09	ASHUELOT RIVER - ASHUELOT RIVER DAM POND TO OTTER BR	KEENE	1.798	MILES	Primary Contact Recreation	Escherichia coli	4A-P	9/21/2010	NEW HAMPSHIRE STATEWIDE BACTERIA	39272	Non-ORW
2020/2022	NHRIV802010301-11	ASHUELOT RIVER - OTTER BR TO KEENE WWTF	SWANZEY, KEENE	2.385	MILES	Aquatic Life Integrity	Dissolved oxygen saturation	5-M				Non-ORW
2020/2022	NHRIV802010301-11	ASHUELOT RIVER - OTTER BR TO KEENE WWTF	SWANZEY, KEENE	2.385	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV802010301-11	ASHUELOT RIVER - OTTER BR TO KEENE WWTF	SWANZEY, KEENE	2.385	MILES	Primary Contact Recreation	Escherichia coli	4A-M	9/30/2013	44 Bacteria Impaired Waters	55220	Non-ORW
2020/2022	NHRIV802010301-38	ASHUELOT RIVER - KEENE WWTF TO SOUTH BRANCH	SWANZEY	0.226	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV802010302-06	UNNAMED BROOK - PINE INLET B	SWANZEY	1.212	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV802010302-06	UNNAMED BROOK - PINE INLET B	SWANZEY	1.212	MILES	Primary Contact Recreation	Escherichia coli	4A-M	9/30/2013	44 Bacteria Impaired Waters	55221	Non-ORW
2020/2022	NHRIV802010302-07	PINE INLET A	SWANZEY	0.380	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV802010302-07	PINE INLET A	SWANZEY	0.380	MILES	Primary Contact Recreation	Escherichia coli	4A-M	9/30/2013	44 Bacteria Impaired Waters	55221	Non-ORW
2020/2022	NHRIV802010303-01	ROCKWOOD BROOK - UNNAMED BROOK	TROY, FITZWILLIAM	3.403	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW

2020/2022	NHRIV802010303-11	QUARRY BROOK - UNNAMED BROOK	TROY, FITZWILLIAM	3.630	MILES	Aquatic Life Integrity	Benthic-Macroinvertebrate Bioassessments (Streams)	5-P				Non-ORW
2020/2022	NHRIV802010303-11	QUARRY BROOK - UNNAMED BROOK	TROY, FITZWILLIAM	3.630	MILES	Primary Contact Recreation	Escherichia coli	4A-P	9/21/2010	NEW HAMPSHIRE STATEWIDE BACTERIA	39273	Non-ORW
2020/2022	NHRIV802010303-12	SOUTH BRANCH ASHUELOT RIVER	TROY	0.386	MILES	Primary Contact Recreation	Escherichia coli	4A-M	9/21/2010	NEW HAMPSHIRE STATEWIDE BACTERIA	39273	Non-ORW
2020/2022	NHRIV802010303-13	SOUTH BRANCH ASHUELOT RIVER - UNNAMED BROOK	TROY	2.724	MILES	Primary Contact Recreation	Escherichia coli	4A-M	8/29/2011	58 NH BACTERIA IMPAIRED WATERS	40661	Non-ORW
2020/2022	NHRIV802010303-14	SHAKER BROOK	MARLBOROUGH	1.978	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV802010303-17	SHAKER BROOK - UNNAMED BROOK - BRANDY BROOK - STONE POND BROOK	MARLBOROUGH, TROY	10.326	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV802010303-18	SOUTH BRANCH ASHUELOT RIVER	TROY	0.751	MILES	Aquatic Life Integrity	Ammonia (Total)	4B-T				Non-ORW
2020/2022	NHRIV802010303-18	SOUTH BRANCH ASHUELOT RIVER	TROY	0.751	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV802010303-18	SOUTH BRANCH ASHUELOT RIVER	TROY	0.751	MILES	Aquatic Life Integrity	Phosphorus (Total)	4B-T				Non-ORW
2020/2022	NHRIV802010303-18	SOUTH BRANCH ASHUELOT RIVER	TROY	0.751	MILES	Primary Contact Recreation	Escherichia coli	4A-P	9/21/2010	NEW HAMPSHIRE STATEWIDE BACTERIA	39273	Non-ORW
2020/2022	NHRIV802010303-20	SOUTH BRANCH ASHUELOT RIVER	MARLBOROUGH, SWANZEY, TROY	12.742	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV802010303-20	SOUTH BRANCH ASHUELOT RIVER	MARLBOROUGH, SWANZEY, TROY	12.742	MILES	Primary Contact Recreation	Escherichia coli	4A-P	9/21/2010	NEW HAMPSHIRE STATEWIDE BACTERIA	39273	Non-ORW
2020/2022	NHRIV802010303-23	SOUTH BRANCH ASHUELOT RIVER	SWANZEY	6.689	MILES	Aquatic Life Integrity	pH	5-P				Non-ORW
2020/2022	NHRIV802010303-23	SOUTH BRANCH ASHUELOT RIVER	SWANZEY	6.689	MILES	Primary Contact Recreation	Escherichia coli	4A-P	9/21/2010	NEW HAMPSHIRE STATEWIDE BACTERIA	39272	Non-ORW
2020/2022	NHRIV802010303-24	UPPER WILSON POND BROOK - TO WILSON POND	SWANZEY, KEENE	2.053	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV802010303-32	STONE POND-INLET	DUBLIN	0.515	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV802010303-37	HOLMAN INLET	FITZWILLIAM	0.613	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV802010303-38	TOMMILA INLET	FITZWILLIAM	1.104	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV802010303-40	LITTLE ROCK INLET	FITZWILLIAM	0.020	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV802010303-41	ROCKWOOD POND-BEACH INLET	FITZWILLIAM	0.464	MILES	Aquatic Life Integrity	pH	5-P				Non-ORW
2020/2022	NHRIV802010401-11	WHEELOCK BROOK - UNNAMED BROOK	CHESTERFIELD, SWANZEY, WINCHESTER	15.767	MILES	Aquatic Life Integrity	pH	5-P				Non-ORW
2020/2022	NHRIV802010401-14	WILLIS MOUNTAIN BROOK - TO FOREST LAKE	WINCHESTER, RICHMOND	6.357	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV802010401-15	ASHUELOT RIVER - SOUTH BRANCH TO UNNAMED BROOK 3000' US OF THOMPSON BRIDGE	SWANZEY	3.992	MILES	Aquatic Life Integrity	Aluminum	5-M				Non-ORW
2020/2022	NHRIV802010401-15	ASHUELOT RIVER - SOUTH BRANCH TO UNNAMED BROOK 3000' US OF THOMPSON BRIDGE	SWANZEY	3.992	MILES	Aquatic Life Integrity	Benthic-Macroinvertebrate Bioassessments (Streams)	5-P				Non-ORW
2020/2022	NHRIV802010401-15	ASHUELOT RIVER - SOUTH BRANCH TO UNNAMED BROOK 3000' US OF THOMPSON BRIDGE	SWANZEY	3.992	MILES	Aquatic Life Integrity	Habitat Assessment (Streams)	4C-P				Non-ORW
2020/2022	NHRIV802010401-15	ASHUELOT RIVER - SOUTH BRANCH TO UNNAMED BROOK 3000' US OF THOMPSON BRIDGE	SWANZEY	3.992	MILES	Aquatic Life Integrity	Lead	5-M				Non-ORW
2020/2022	NHRIV802010401-15	ASHUELOT RIVER - SOUTH BRANCH TO UNNAMED BROOK 3000' US OF THOMPSON BRIDGE	SWANZEY	3.992	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV802010401-15	ASHUELOT RIVER - SOUTH BRANCH TO UNNAMED BROOK 3000' US OF THOMPSON BRIDGE	SWANZEY	3.992	MILES	Primary Contact Recreation	Escherichia coli	4A-P	9/21/2010	NEW HAMPSHIRE STATEWIDE BACTERIA	39272	Non-ORW
2020/2022	NHRIV802010401-16	ASHUELOT RIVER - ~3000 UPSTREAM OF THOMPSON BRDG TO 300 FT US OF SWANZEY WWTF	SWANZEY	1.032	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV802010401-16	ASHUELOT RIVER - ~3000 UPSTREAM OF THOMPSON BRDG TO 300 FT US OF SWANZEY WWTF	SWANZEY	1.032	MILES	Primary Contact Recreation	Escherichia coli	4A-M	9/27/2010	NEW HAMPSHIRE STATEWIDE BACTERIA	39272	Non-ORW
2020/2022	NHRIV802010401-19	ASHUELOT RIVER - 3000 FT DS OF SWANZEY WWTF TO OLD WINCHESTER DAM	WINCHESTER, SWANZEY	9.583	MILES	Aquatic Life Integrity	Non-Native Aquatic Plants	4C-M				Non-ORW
2020/2022	NHRIV802010401-19	ASHUELOT RIVER - 3000 FT DS OF SWANZEY WWTF TO OLD WINCHESTER DAM	WINCHESTER, SWANZEY	9.583	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV802010401-19	ASHUELOT RIVER - 3000 FT DS OF SWANZEY WWTF TO OLD WINCHESTER DAM	WINCHESTER, SWANZEY	9.583	MILES	Primary Contact Recreation	Chlorophyll-a	5-P				Non-ORW
2020/2022	NHRIV802010402-04	BRICKYARD BROOK - TILSEY BROOK - ROARING BROOK	RICHMOND, WINCHESTER	10.913	MILES	Aquatic Life Integrity	pH	5-P				Non-ORW
2020/2022	NHRIV802010402-06	MIREY BROOK - BLACK BROOK	WINCHESTER	12.227	MILES	Primary Contact Recreation	Escherichia coli	4A-P	9/21/2010	NEW HAMPSHIRE STATEWIDE BACTERIA	39273	Non-ORW
2020/2022	NHRIV802010403-07	ASHUELOT RIVER - 300FT US OF WINCHESTER WWTF TO 3000FT DS OF WWTF	WINCHESTER	0.759	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV802010403-07	ASHUELOT RIVER - 300FT US OF WINCHESTER WWTF TO 3000FT DS OF WWTF	WINCHESTER	0.759	MILES	Primary Contact Recreation	Escherichia coli	4A-P	9/21/2010	NEW HAMPSHIRE STATEWIDE BACTERIA	39273	Non-ORW
2020/2022	NHRIV802010403-19	ASHUELOT RIVER	HINSDALE	0.695	MILES	Aquatic Life Integrity	Aluminum	5-M				Non-ORW
2020/2022	NHRIV802010403-19	ASHUELOT RIVER	HINSDALE	0.695	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV802010403-19	ASHUELOT RIVER	HINSDALE	0.695	MILES	Primary Contact Recreation	Escherichia coli	4A-P	8/29/2011	58 NH BACTERIA IMPAIRED WATERS	40661	Non-ORW
2020/2022	NHRIV802010403-20	ASHUELOT RIVER - 300FT US OF HINSDALE WWTF TO CONNECTICUT R	HINSDALE	1.077	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV802010403-20	ASHUELOT RIVER - 300FT US OF HINSDALE WWTF TO CONNECTICUT R	HINSDALE	1.077	MILES	Primary Contact Recreation	Escherichia coli	4A-M	9/21/2010	NEW HAMPSHIRE STATEWIDE BACTERIA	39273	Non-ORW
2020/2022	NHRIV802010501-05	CONNECTICUT RIVER	HINSDALE	7.566	MILES	Aquatic Life Integrity	Aluminum	5-M				Non-ORW
2020/2022	NHRIV802010501-05	CONNECTICUT RIVER	HINSDALE	7.566	MILES	Aquatic Life Integrity	Copper	5-P				Non-ORW
2020/2022	NHRIV802020101-03	PECKER POND-SOUTH SIDE BY RED (OUTLET IN STREAM)	RINDGE	0.044	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV802020102-02	PRIEST BROOK	FITZWILLIAM	3.668	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV802020102-03	PRIEST BROOK	FITZWILLIAM	3.281	MILES	Aquatic Life Integrity	Aluminum	5-M				Non-ORW
2020/2022	NHRIV802020102-03	PRIEST BROOK	FITZWILLIAM	3.281	MILES	Aquatic Life Integrity	pH	5-P				Non-ORW
2020/2022	NHRIV802020103-05	NORTH BRANCH MILLERS RIVER	RINDGE	3.692	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV802020103-06	NORTH BRANCH MILLERS RIVER	RINDGE	1.105	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV802020103-07	EMERSON POND BROOK - TO CROWCROFT POND	RINDGE	0.086	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV802020103-09	GOODARD INLET BROOK - TO LAKE MONOMANAC	RINDGE	0.268	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV802020103-10	LORD BROOK - UNNAMED BROOK	RINDGE	2.824	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV802020103-13	MILLERS RIVER	JAFFREY, RINDGE	3.088	MILES	Aquatic Life Integrity	pH	5-P				Non-ORW
2020/2022	NHRIV802020103-14	UNNAMED BROOK - TO PEARLY LAKE FROM NORTHERN MOST INLET	RINDGE, JAFFREY	2.082	MILES	Aquatic Life Integrity	pH	5-P				Non-ORW
2020/2022	NHRIV802020103-16	TARBELL BROOK - UNNAMED BROOK	RINDGE, FITZWILLIAM	5.769	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV802020103-26	PEARLY LAKE-COLLEGE RD INLET	RINDGE	0.764	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV802020103-33	LAKE MONOMONAC-COLBURN LANE INLET	RINDGE	0.535	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV802020103-39	LAKE MONOMONAC-STATE LINE INLET	RINDGE	0.456	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV802020202-01	UNNAMED BROOKS - TO KEMP BROOK	FITZWILLIAM	5.477	MILES	Aquatic Life Integrity	pH	5-M				Non-ORW
2020/2022	NHRIV802020202-07	LAUREL LAKE-KEENE AVE TRIB	FITZWILLIAM	0.427	MILES	Aquatic Life Integrity	pH	5-P				Non-ORW
2020/2022	NHRIV802020202-07	LAUREL LAKE-KEENE AVE TRIB	FITZWILLIAM	0.427	MILES	Primary Contact Recreation	Escherichia coli	4A-M	9/30/2013	44 Bacteria Impaired Waters	55221	Non-ORW
2020/2022	NHRIV802020203-05	TULLY BROOK - UNNAMED BROOKS	RICHMOND	7.380	MILES	Aquatic Life Integrity	Aluminum	5-M				Non-ORW
2020/2022	NHRIV802020203-05	TULLY BROOK - UNNAMED BROOKS	RICHMOND	7.380	MILES	Aquatic Life Integrity	pH	5-P				Non-ORW

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Infiltration Feasibility Report

Cold Springs Road
Dover, NH 03820

Prepared for:

Knox Marsh Development LLC
242 Central Avenue
Dover, NH 03820

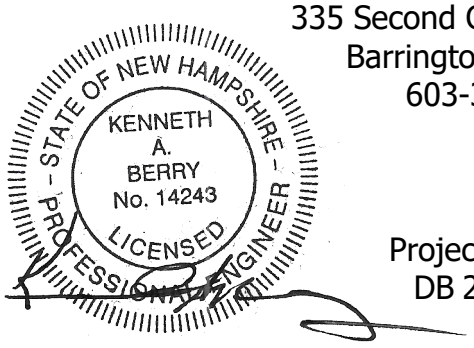
Land of:

5 Sherman Street LLC
242 Central Avenue
Dover, NH 03820

Cold Springs Road, Dover, NH
Tax Map H, Lot 47-A

Prepared By:

Berry Surveying & Engineering
335 Second Crown Point Road
Barrington, NH 03825
603-332-2863



Project Number:
DB 2023-126

September 1, 2024
Revised: October 17, 2024

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1.0 Location of Practice:

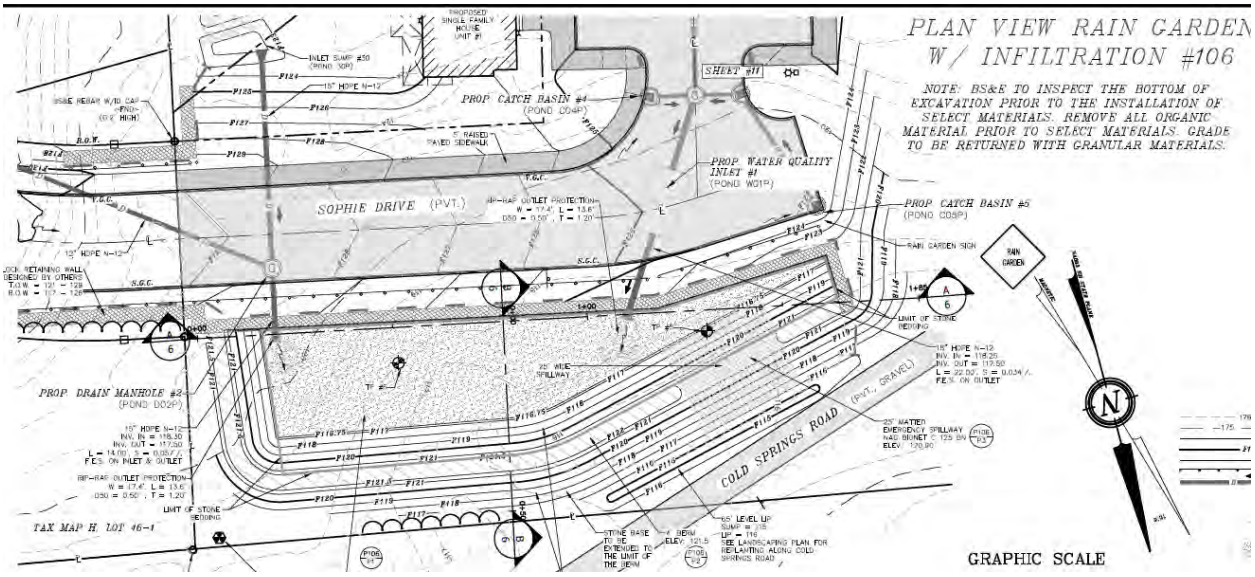
Infiltration Rain Garden #106 (Pond #106) is located at the northeastern corner of the subject parcel and is the primary treatment practice for the project. This practice provides treatment for much of Sophie Drive and pre-treatment is provided by a water quality inlet.

2.0 Existing topography at the location of the practice

Infiltration Rain Garden #106 (Pond #106) is proposed in an area that is currently residential lawn with 0-15% slopes.

3.0 Test Pit Locations

Infiltration Rain Garden #106 (Pond #106) – This practice has a surface area of 2,616 square feet (SF) and is proposed to be constructed over test pits #5 & #6. See test pit profiles below. See test pit locations on Rain Garden #106 Plan, sheet #13. These test pits were completed in September of 2024 by Berry Surveying & Engineering. The soil in the vicinity of this practice is Udorthents Excessively Drained, surrounded by Windsor Excessively Drained, considered to be a HSG A soil where the most restrictive published Ksat is 6.0 inches per hour. The rate of 3.0 inches per hour is used for the design.



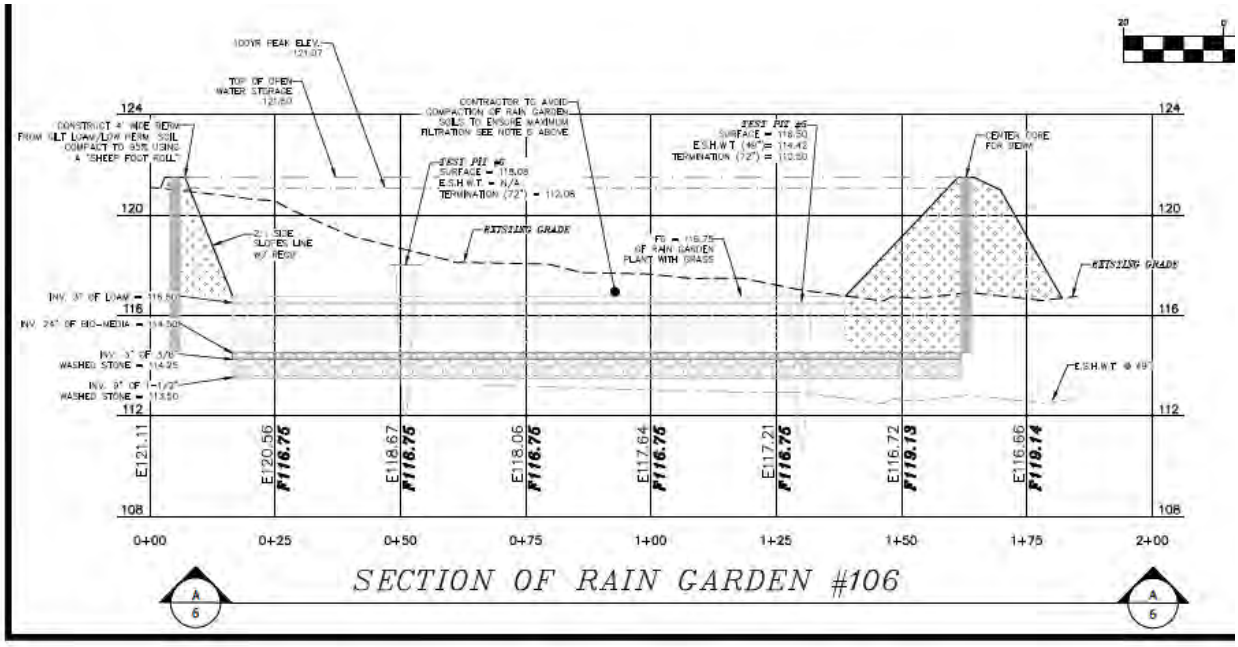
Infiltration Rain Garden #106 (Pond #106)

4.0 Seasonal high water table (SHWT) and bedrock elevations

Infiltration Rain Garden #106 (Pond #106)

TP#5:	Existing Surface Elevation of TP =	116.50′
	SHWT = 50 Inches	112.40′
	Bedrock > 72 Inches	<110.50′
	Ground Water = N/A	
	Deepest Elevation of TP = 72 Inches	110.50′
TP#6:	Existing Surface Elevation of TP =	118.08′
	SHWT > 72 Inches	<112.08′
	Bedrock > 72 Inches	<112.08′
	Ground Water = N/A	
	Deepest Elevation of TP = 72 Inches	112.08′

Infiltration Rain Garden #106 (Pond #106) Bottom: 113.50′



Cross Section Infiltration Rain Garden #106

5.0 Profile descriptions

The following test pit data was collected on two dates, see profile below.

TEST PIT #5

0-3.6' 10YR 6/4 FINE LOAMY SAND, GRANULAR, MEDIUM FIRM IN HOLE-FRIABLE IN HAND
3.6'-6.0' 2.5Y 7/4 FINE SAND, SINGLE GRAIN, LOOSE, REDOX. CONCENTRATIONS & DEPLETIONS @ 4.1'

TERMINATED: 6.0'
E.S.H.W.T.: 4.1'
ROOTS FEW AND FINE TO 2.9'
GROUND WATER OBSERVED: N/A
P= 4 MIN./IN.

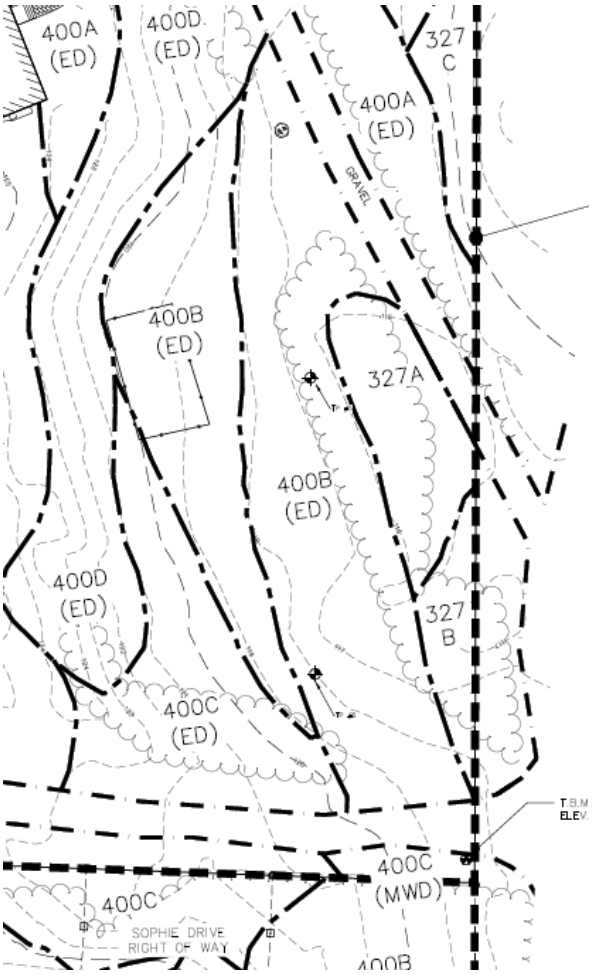
TEST PIT #6

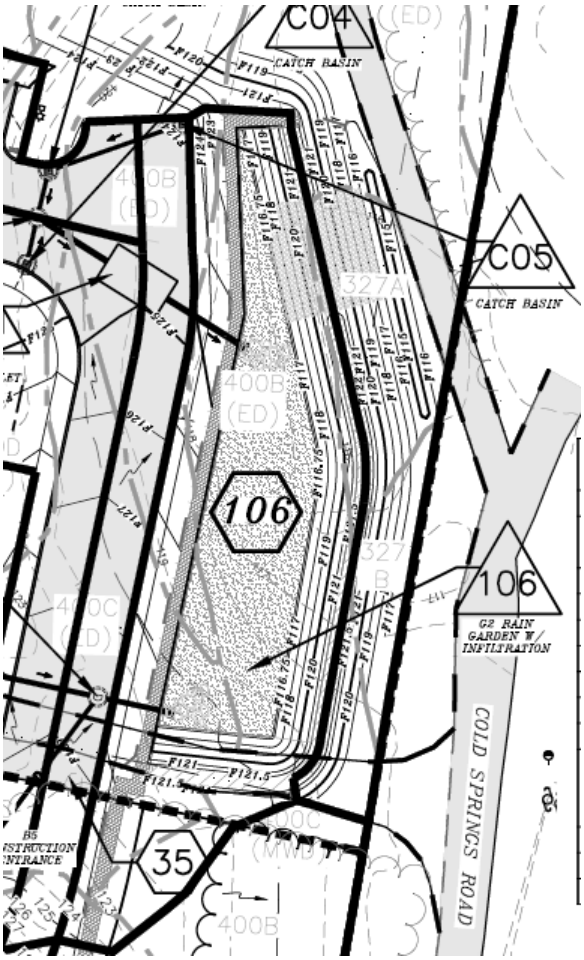
0-1.4' 10YR 6/4 FINE LOAMY SAND, GRANULAR, FRIABLE
1.4'-6.0' 2.5Y 6/3 COARSE SAND, SINGLE GRAIN, LOOSE, COBBLES THROUGHOUT

TERMINATED: 6.0'
E.S.H.W.T.: N/A
ROOTS FEW AND FINE TO 1.4'
GROUND WATER OBSERVED: N/A
P= 4 MIN./IN.

6.0 Soil plan in the area of the proposed practices

Infiltration Rain Garden #106 (Pond #106) is located over Udorthents Excessively Drained Soil. See Test Pit #5 & #6.





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7.0 Summary of Infiltration Rate

Infiltration Rain Garden #106 is located within Udorthents Excessively Drained Soils, HSG A mapped by Site Specific Soil Survey by John P. Hayes III, CSS, with a documented Ksat of 6.0 inches per hour. The design exfiltration rate for the rain garden is 3.0 inches per hour.

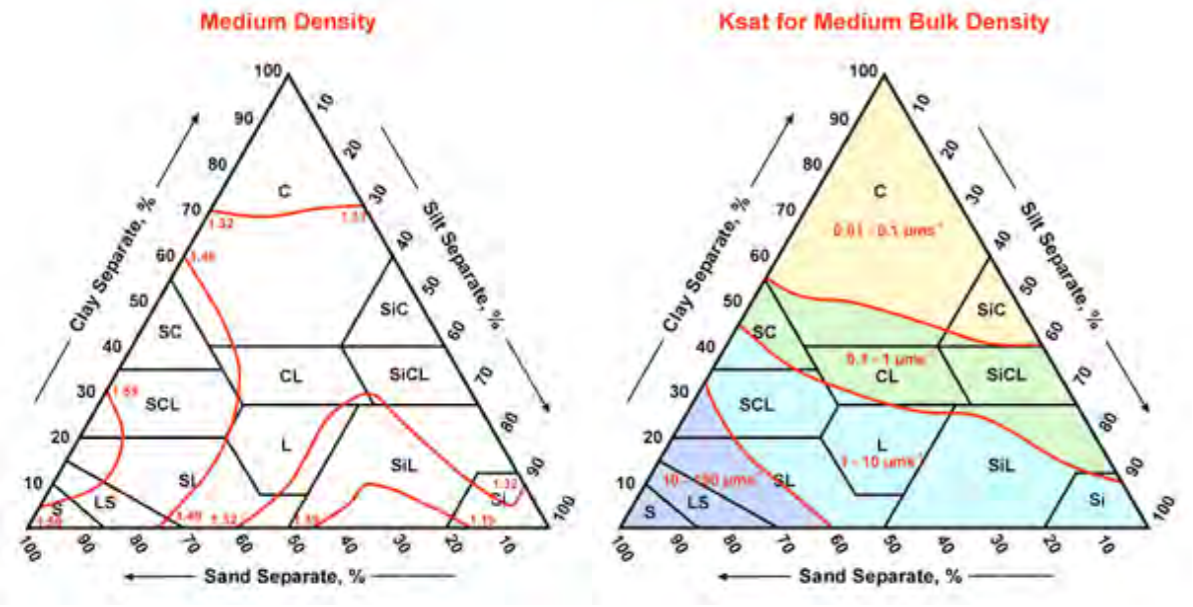
Amoozemeter testing was not conducted on site and the alternate method of using the USDA / NRCS published values was employed. Reference is made to K Sat Values for New Hampshire Soils (Including Hydrologic and DES Soil Lot Sizing Groups, sponsored by the Society of Soil Scientists of Norther New England, Publication #5 dated September 2009.

Respectfully submitted:

BERRY SURVEYING & ENGINEERING

Kenneth A. Berry, PE, LLS
CPSWQ, CPESC, CESSWI
Principal, VP – Technical Operations

K_{sat} VALUES
FOR
NEW HAMPSHIRE SOILS
(Including Hydrologic and DES Soil Lot Sizing Groups)



From: Guide for Estimating Ksat from Soil Properties (**Exhibit 618-9**). (http://soils.usda.gov/technical/handbook/contents/part618ex.html)

Sponsored by the Society of Soil Scientists of Northern New England
SSSNNE Special Publication No. 5
September, 2009

K_{sat} VALUES FOR NEW HAMPSHIRE SOILS

ABOUT THE SOCIETY OF SOIL SCIENTISTS OF NORTHERN NEW ENGLAND

The Society of Soil Scientists of Northern New England (SSSNNE) is a non-profit professional organization of soil scientists, both in the private and public sectors, which is dedicated to the advancement of soil science. The Society fosters the profession of soil classification, mapping and interpretation, and encourages the dissemination of information concerning soil science. With the intent of contributing to the general human welfare, the Society seeks to educate the public on the wise use of soils and the associated natural resources.

INTRODUCTION

The publication "K_{sat} Values for New Hampshire Soils" is designed to assist soil scientists, engineers, and other professionals by assembling tables of existing data for all soil series currently on the state soil legend with regard to K_{sat} values and hydrologic groupings (Hyd.Grp.). The need for this information has become more important since the adoption by the New Hampshire Department of Environmental Services of the revised Alteration of Terrain rules for stormwater management. Additional information has been provided for each soil series with regard to landform, temperature regime (Temp.), soil textures, NHDES Soil Lot Size Groupings (Group), whether the soil is a Spodosol (Spodosol?) and other information which will be valuable to a variety of soil information users.

The data for each soil series has been sorted 3 ways for ease of searching:

Table A-Sorted by Numerical Legend
Table B-Sorted by Soil Series Name
Table C-Sorted by NHDES Soil Group for Establishing Lot Size

The report represents cumulative efforts by private soil scientists and NHDES staff with assistance from the USDA Natural Resource Conservation Service.

Comments or inquires on the information in this publication may be directed to the Board of Directors at the following address:

Society of Soil Scientists
of Northern New England
PO Box 76
Durham, NH 03824

SATURATED HYDRAULIC CONDUCTIVITY (K_{SAT})

K_{sat} refers to the ease with which pores in a saturated soil transmit water. The estimates presented here are expressed in terms of inches per hour (NRCS official data presents K_{sat} in both micrometers per second and inches per hour). K_{sat} values are based on soil characteristics observed in the field, particularly structure, consistence, porosity, and texture. (USDA NRCS, Web Soil Survey)

Saturated flow occurs when the soil water pressure is positive; that is, when the soil matric potential is zero (satiated wet condition). In most soils this situation takes place when about 95 percent of the total pore space is filled with water. The remaining 5 percent is filled with entrapped air. Saturated hydraulic conductivity cannot be used to describe water movement under unsaturated conditions. (Soil Survey Manual, 1993)

It is commonly known that soil features (and thus data) for a certain soil series name may be slightly different from one county soil survey to the next and the range in characteristics (via the Typical Pedon) may be slightly different. For example – a Marlow soil (series) in Carroll County may have a higher sand content in its B horizon as opposed to a Marlow soil (series) in Coos County; resulting in a slightly different Ksat range for the B horizon.

The K_{sat} data for this publication was obtained from the USDA-NRCS Soil Data Mart using the Typical Pedon from the county that best reflected the soil and/or had the most acres of that soil. This data is presented in B and C horizons only as it is assumed that the topsoil (A or A_p horizon) will be removed in typical construction practices.

References:

Web Soil Survey. *Soil Survey Staff, Natural Resources Conservation Service, United States Department of Agriculture. Web Soil Survey. Available online at http://websoilsurvey.nrcs.usda.gov/.*

Soil Data Mart. *http://soildatamart.nrcs.usda.gov/.*

Soil Survey Manual. *Soil Survey Division Staff. 1993. Soil survey manual. Soil Conservation Service. U.S. Department of Agriculture Handbook 18.*

HYDROLOGIC SOIL GROUPS

Hydrologic group is a group of soils having the same runoff potential under similar storm and cover conditions.

Hydrologic groups are used in equations that estimate runoff from rainfall. These estimates are needed for solving hydrologic problems that arise in planning stormwater management, watershed protection, and flood-prevention projects and for planning or designing structures for the use, control, and disposal of water.

Classifications assigned to soils were based on the use of rainfall-runoff data from small watersheds and infiltrometer plots. From these data, relationships between soil properties and hydrologic groups were established. Assignment of soils to hydrologic groups is based on the relationship between soil properties and hydrologic groups. Wetness characteristics, permeability after prolonged wetting, and depth to very slowly permeable layers are properties that assist in estimating hydrologic groups. Minimum annual steady ponded infiltration rate for a bare ground surface determines the hydrologic soil groups.

Soil properties that influence runoff potential are those that influence the minimum rate of infiltration for a bare soil after prolonged wetting and when not frozen. These properties are depth to a seasonally high water table, intake rate and permeability after prolonged wetting, and depth to a very slowly permeable layer. (The influence of ground cover is treated independently, not in hydrologic soil groups.).

The soils in the United States are placed into four groups, A, B, C, and D, and three dual classes, *A/D, B/D,* and *C/D.* In the definitions of the classes, infiltration rate is the rate at which water enters the soil at the surface and is controlled by the surface conditions. Transmission rate is the rate at which water moves in the soil and is controlled by soil properties. Definitions of the classes are as follows:

Group A- Saturated hydraulic conductivity is very high or in the upper half of high and internal free water occurrence is very deep. Soils in this group have low runoff potential when thoroughly wet. Water is transmitted freely through the soil. Group A soils typically have less than 10 percent clay and more than 90 percent sand or gravel and have gravel or sand textures. Some soils having loamy sand, sandy loam, loam or silt loam textures may be placed in this group if they are well aggregated, of low bulk density, or contain greater than 35 percent rock fragments. The limits on the diagnostic physical characteristics of group A are as follows. The saturated hydraulic conductivity of all soil layers exceeds 40.0 micrometers per second (5.67 inches per hour). The depth to any water impermeable layer is greater than 50 centimeters [20 inches]. The depth to the water table is greater than 60 centimeters [24 inches]. Soils that are deeper than 100 centimeters [40 inches] to a water impermeable layer are in group A if the saturated hydraulic conductivity of all soil layers within 100 centimeters [40 inches] of the surface exceeds 10 micrometers per second (1.42 inches per hour).

Group B- Saturated hydraulic conductivity is in the lower half of high or in the upper half of moderately high and free water occurrence is deep or very deep. Soils in this group have moderately low runoff potential when thoroughly wet. Water transmission through the soil is unimpeded. Group B soils typically have between 10 percent and 20 percent clay and 50 percent to 90 percent sand and have loamy sand or sandy loam textures. Some soils having loam, silt loam, silt, or sandy clay loam textures may be placed in this group if they are well aggregated, of low bulk density, or contain greater than 35 percent rock fragments. The limits on the diagnostic physical characteristics of group B are as follows. The saturated hydraulic conductivity in the least transmissive layer between the surface and 50 centimeters [20 inches] ranges from 10.0 micrometers per second (1.42 inches per hour) to 40.0 micrometers per second (5.67 inches per hour). The depth to any water impermeable layer is greater than 50 centimeters [20 inches]. The depth to the water table is greater than 60 centimeters [24 inches]. Soils that are deeper than 100 centimeters [40 inches] to a water impermeable layer or water table are in group B if the saturated hydraulic conductivity of all soil layers within 100 centimeters [40 inches] of the surface exceeds 4.0 micrometers per second (0.57 inches per hour) but is less than 10.0 micrometers per second (1.42 inches per hour).

Group C- Saturated hydraulic conductivity is in the lower half of moderately high or in the upper half of moderately low and internal free water occurrence is deeper than shallow. Soils in this group have moderately high runoff potential when thoroughly wet. Water transmission through the soil is somewhat restricted. Group C soils typically have between 20 percent and 40 percent clay and less than 50 percent sand and have loam, silt loam, sandy clay loam, clay loam, and silty clay loam textures. Some soils having clay, silty clay, or sandy clay textures may be placed in this group if they are well aggregated, of low bulk density, or contain greater than 35 percent rock fragments. The limits on the diagnostic physical characteristics of group C are as follows. The saturated hydraulic conductivity in the least transmissive layer between the surface and 50 centimeters [20 inches] is between 1.0 micrometers per second (0.14 inches per hour) and 10.0 micrometers per second (1.42 inches per hour). The depth to any water impermeable layer is greater than 50 centimeters [20 inches]. The depth to the water table is greater than 60 centimeters [24 inches]. Soils that are deeper than 100 centimeters [40 inches] to a restriction or water table are in group C if the saturated hydraulic conductivity of all soil layers within 100 centimeters [40 inches] of the surface exceeds 0.40 micrometers per second (0.06 inches per hour) but is less than 4.0 micrometers per second (0.57 inches per hour). .

Group D- Saturated hydraulic conductivity is below the upper half of moderately low, and/or internal free water occurrence is shallow or very shallow and transitory through permanent. Soils in this group have high runoff potential when thoroughly wet. Water movement through the soil is restricted or very restricted. Group D soils typically have greater than 40 percent clay, less than 50 percent sand, and have clayey textures. In some areas, they also have high shrink-swell potential. All soils with a depth to a water impermeable layer less than 50 centimeters [20 inches] and all soils with a water table within 60 centimeters [24 inches] of the surface are in this group, although some may have a dual classification, as described in the next section, if they can be adequately drained. The limits on the physical diagnostic characteristics of group D are as follows. For soils with a water impermeable layer at a depth between 50 centimeters and 100 centimeters [20 and 40 inches], the saturated hydraulic conductivity in the least transmissive soil layer is less than or equal to 1.0 micrometers per second (0.14 inches per hour). For soils that are deeper than 100 centimeters [40 inches] to a restriction or water table, the saturated hydraulic

conductivity of all soil layers within 100 centimeters [40 inches] of the surface is less than or equal to 0.40 micrometers per second (0.06 inches per hour).

Dual hydrologic soil groups-Certain wet soils are placed in group D based solely on the presence of a water table within 60 centimeters [24 inches] of the surface even though the saturated hydraulic conductivity may be favorable for water transmission. If these soils can be adequately drained, then they are assigned to dual hydrologic soil groups *(A/D, B/D,* and *C/D)* based on their saturated hydraulic conductivity and the water table depth when drained. The first letter applies to the drained condition and the second to the undrained condition. For the purpose of hydrologic soil group, adequately drained means that the seasonal high water table is kept at least 60 centimeters [24 inches] below the surface in a soil where it would be higher in a natural state.

References:

National Engineering Handbook, Natural Resource Conservation Service, U.S. Department of Agriculture.

Soil Data Mart. *http://soildatamart.nrcs.usda.gov/*.

Soil Survey Manual. *Soil Survey Division Staff. 1993. Soil survey manual. Natural Resources Conservation Service. U.S. Department of Agriculture Handbook 18.*

TABLE A

NUMERICAL LEGEND

Soil Series	legend number	Ksat low - B in/hr	Ksat high - B in/hr	Ksat low - C in/hr	Ksat high - C in/hr	Hyd. Grp.	Group	Land Form	Temp.	Soil Textures	Spodosol ?	Other
Occum	1	0.6	2.0	6.00	20.0	B	2	Flood Plain (Bottom Land)	mesic	loamy	no	loamy over loamy sand
Suncook	2	6.0	20.0	6.00	20.0	A	1	Flood Plain (Bottomland)	mesic	sandy	no	occasionally flooded
Lim	3	0.6	2.0	6.00	20.0	C	5	Flood Plain (Bottom Land)	mesic	loamy	no	
Pootatuck	4	0.6	6.0	6.00	20.0	B	3	Flood Plain (Bottom Land)	mesic	loamy	no	single grain in C
Rippowam	5	0.6	6.0	6.00	20.0	C	5	Flood Plain (Bottom Land)	mesic	loamy	no	
Saco	6	0.6	2.0	6.00	20.0	D	6	Flood Plain (Bottom Land)	mesic	silty	no	strata
Hadley	8	0.6	2.0	0.60	6.0	B	2	Flood Plain (Bottom Land)	mesic	silty	no	strata of fine sand
Winooski	9	0.6	6.0	0.60	6.0	B		Flood Plain (Bottom Land)	mesic	silty over loamy	no	
Merrimac	10	2.0	20.0	6.00	20.0	A	1	Outwash and Stream Terraces	mesic	gravelly sand	no	loamy cap
Gloucester	11	6.0	20.0	6.00	20.0	A	1	Sandy Till	mesic	sandy-skeletal	no	loamy cap
Hinckley	12	6.0	20.0	20.00	100.0	A	1	Outwash and Stream Terraces	mesic	sandy-skeletal	no	
Sheepscot	14	6.0	20.0	6.00	20.0	B	3	Outwash and Stream Terraces	frigid	sandy-skeletal	yes	gravelly coarse sand
Searsport	15	6.0	20.0	6.00	20.0	D	6	Outwash and Stream Terraces	frigid	sandy	no	organic over sand
Saugatuck	16	0.06	0.2	6.00	20.0	C	5	Outwash and Stream Terraces	mesic	sandy	yes	ortstein
Colton, gravelly	21	6.0	20.0	20.00	100.0	A	1	Outwash and Stream Terraces	frigid	sandy-skeletal	yes	gravelly surface
Colton	22	6.0	20.0	20.00	100.0	A	1	Outwash and Stream Terraces	frigid	sandy-skeletal	yes	
Masardis	23	6.0	20.0	6.00	20.0	A	1	Outwash and Stream Terraces	frigid	sandy-skeletal	yes	slate, loamy cap
Agawam	24	6.0	20.0	20.00	100.0	B	2	Outwash and Stream Terraces	mesic	loamy over sandy	no	loamy over sand/gravel
Windsor	26	6.0	20.0	6.00	20.0	A	1	Outwash and Stream Terraces	mesic	sandy	no	
Groveton	27	0.6	2.0	0.60	6.0	B	2	Outwash and Stream Terraces	frigid	loamy	yes	loamy over sandy
Madawaska	28	0.6	2.0	6.00	20.0	B	3	Outwash and Stream Terraces	frigid	loamy over sandy	yes	sandy or sandy-skeletal
Woodbridge	29	0.6	2.0	0.00	0.6	C	3	Firm, platy, loamy till	mesic	loamy	no	sandy loam in Cd
Unadilla	30	0.6	2.0	2.00	20.0	B	2	Terraces and glacial lake plains	mesic	silty	no	silty over gravelly
Hartland	31	0.6	2.0	0.20	2.0	B	2	Terraces and glacial lake plains	mesic	silty	no	very fine sandy loam
Boxford	32	0.1	0.2	0.00	0.2	C	3	Silt and Clay Deposits	mesic	fine	no	silty clay loam
Scitico	33	0.0	0.2	0.00	0.2	C	5	Silt and Clay Deposits	mesic	fine	no	
Wareham	34	6.0	20.0	6.00	20.0	C	5	Outwash and Stream Terraces	mesic	sandy	no	
Champlain	35	6.0	20.0	20.00	100.0	A	1	Outwash and Stream Terraces	frigid	gravelly sand	no	
Adams	36	6.0	20.0	20.00	99.0	A	1	Outwash and Stream Terraces	frigid	sandy	yes	
Melrose	37	2.0	6.0	0.00	0.2	C	3	Sandy/loamy over silt/clay	frigid	loamy over clayey	no	silty clay loam in C
Eldridge	38	6.0	20.0	0.06	0.6	C	3	Sandy/loamy over silt/clay	mesic	sandy over loamy	no	
Millis	39					C	3	Firm, platy, sandy till	frigid	loamy	yes	loamy sand in Cd
Canton	42	2.0	6.0	6.00	20.0	B	2	Loose till, sandy textures	mesic	loamy over sandy	no	loamy over loamy sand
Montauk	44	0.6	6.0	0.06	0.6	C	3	Firm, platy, sandy till	mesic	loamy	no	loamy sand in Cd
Henniker	46	0.6	2.0	0.06	0.6	C	3	Firm, platy, sandy till	frigid	loamy	no	loamy sand in Cd
Madawaska, aquentic	48	0.6	2.0	6.00	20.0	B	3	Outwash and Stream Terraces	frigid	loamy over sandy	yes	sandy or sandy-skeletal
Whitman	49	0.0	0.2	0.00	0.2	D	6	Firm, platy, loamy till	mesic	loamy	no	mucky loam
Hermon	55	2.0	20.0	6.00	20.0	A	1	Sandy Till	frigid	sandy-skeletal	yes	loamy cap
Becket	56	0.6	2.0	0.06	0.6	C	3	Firm, platy, sandy till	frigid	loamy	yes	gravelly sandy loam in Cd
Waumbeck	58	2.0	20.0	6.00	20.0	B	3	Loose till, sandy textures	frigid	sandy-skeletal	yes	very cobbly loamy sand
Charlton	62	0.6	6.0	0.60	6.0	B	2	Loose till, loamy textures	mesic	loamy	no	fine sandy loam
Paxton	66	0.6	2.0	0.00	0.2	C	3	Firm, platy, loamy till	mesic	loamy	no	
Sutton	68	0.6	6.0	0.60	6.0	B	3	Loose till, loamy textures	mesic	loamy	no	
Berkshire	72	0.6	6.0	0.60	6.0	B	2	Loose till, loamy textures	frigid	loamy	yes	fine sandy loam
Marlow	76	0.6	2.0	0.06	0.6	C	3	Firm, platy, loamy till	frigid	loamy	yes	fine sandy loam in Cd
Peru	78	0.6	2.0	0.06	0.6	C	3	Firm, platy, loamy till	frigid	loamy	yes	
Thorndike	84	0.6	2.0	0.60	2.0	C/D	4	Friable till, silty, schist & phyllite	frigid	loamy-skeletal	yes	less than 20 in. deep
Hollis	86	0.6	6.0	0.60	6.0	C/D	4	Loose till, bedrock	mesic	loamy	no	less than 20 in. deep
Winnecook	88	0.6	2.0	0.60	2.0	C	4	Friable till, silty, schist & phyllite	frigid	loamy-skeletal	yes	20 to 40 in. deep
Chatfield	89	0.6	6.0	0.60	6.0	B	4	Loose till, bedrock	mesic	loamy	no	20 to 40 in. deep
Hogback	91	2.0	6.0	2.00	6.0	C	4	Loose till, bedrock	frigid	loamy	yes	less than 20 in. deep
Lyman	92	2.0	6.0	2.00	6.0	A/D	4	Loose till, bedrock	frigid	loamy	yes	less than 20 in. deep
Woodstock	93	2.0	6.0	2.00	6.0	C/D	4	Loose till, bedrock	frigid	loamy	no	less than 20 in. deep
Rawsonville	98	0.6	6.0	0.60	6.0	C	4	Loose till, bedrock	frigid	loamy	yes	20 to 40 in. deep
Tunbridge	99	0.6	6.0	0.60	6.0	C	4	Loose till, bedrock	frigid	loamy	yes	20 to 40 in. deep

Soil Series	legend number	Ksat low - B in/hr	Ksat high - B in/hr	Ksat low - C in/hr	Ksat high - C in/hr	Hyd. Grp.	Group	Land Form	Temp.	Soil Textures	Spodosol ?	Other
Ondawa	101	0.6	6.0	6.00	20.0	B	2	Flood Plain (Bottom Land)	frigid	loamy	no	loamy over loamy sand
Sunday	102	6.0	20.0	6.00	20.0	A	1	Flood Plain (Bottomland)	frigid	sandy	no	occasionally flooded
Winooski	103	0.6	6.0	0.60	6.0	B	3	Flood Plain (Bottom Land)	mesic	silty	no	very fine sandy loam
Podunk	104	0.6	6.0	6.00	20.0	B	3	Flood Plain (Bottom Land)	frigid	loamy	no	loamy to coarse sand in C
Rumney	105	0.6	6.0	6.00	20.0	C	5	Flood Plain (Bottom Land)	frigid	loamy	no	
Hadley	108	0.6	2.0	0.60	6.0	B	2	Flood Plain (Bottom Land)	mesic	silty	no	strata of fine sand, occ flooded
Limerick	109	0.6	2.0	0.60	2.0	C	5	Flood Plain (Bottom Land)	mesic	silty	no	
Scarboro	115	6.0	20.0	6.00	20.0	D	6	Outwash and Stream Terraces	mesic	sandy	no	organic over sand, non stony
Finch	116					C	3	Outwash and Stream Terraces	frigid	sandy	yes	cemented (ortstein)
Sudbury	118	2.0	6.0	2.00	20.0	B	3	Outwash and Stream Terraces	mesic	sandy	no	loam over gravelly sand
Telos	123	0.6	2.0	0.02	0.2	C	3	Firm, platy, silty till, schist & phyllite	frigid	loamy	yes	channery silt loam in Cd
Chesuncook	126	0.6	2.0	0.02	0.2	C	3	Firm, platy, silty till, schist & phyllite	frigid	loamy	yes	channery silt loam in Cd
Allagash	127	0.6	2.0	6.00	20.0	B	2	Outwash and Stream Terraces	frigid	loamy over sandy	yes	loamy over sandy
Elliottsville	128	0.6	2.0	0.60	2.0	B	4	Friable till, silty, schist & phyllite	frigid	loamy	yes	20 to 40 in. deep
Hitchcock	130	0.6	2.0	0.06	0.6	B	3	Terraces and glacial lake plains	mesic	silty	no	silt loam to silt in C
Burnham	131	0.2	6.0	0.02	0.2	D	6	Firm, platy, silty till, schist & phylitte	frigid	loamy	no	organic over silt
Dartmouth	132	0.6	2.0	0.06	0.6	B	3	Terraces and glacial lake plains	mesic	silty	no	thin strata silty clay loam
Monson	133	0.6	2.0	0.60	2.0	D	4	Friable till, silty, schist & phyllite	frigid	loamy	yes	less than 20 in. deep
Maybid	134	0.0	0.2	0.00	0.2	D	6	Silt and Clay Deposits	mesic	fine	no	silt over clay
Shapleigh	136					C/D	4	Sandy Till	mesic	sandy	yes	less than 20 in. deep
Monadnock	142	0.6	2.0	2.00	6.0	B	2	Loose till, sandy textures	frigid	loamy over sandy, sandy-skeletal	yes	gravelly loamy sand in C
Acton	146	2.0	20.0	2.00	20.0	B	3	Loose till, sandy textures	mesic	sandy-skeletal	no	cobbly loamy sand
Vassalboro	150					D	6	Organic Materials - Freshwater	frigid	peat	no	deep organic
Success	154	2.0	6.0	6.00	20.0	A	1	Sandy Till	frigid	sandy-skeletal	yes	cemented
Canterbury	166	0.6	2.0	0.06	0.6	C	3	Firm, platy, loamy till	frigid	loamy	no	loam in Cd
Sunapee	168	0.6	2.0	0.60	6.0	B	3	Loose till, loamy textures	frigid	loamy	yes	
Waskish	195					D	6	Organic Materials - Freshwater	frigid	peat	no	deep organic
Ondawa	201	0.6	6.0	6.00	20.0	B	2	Flood Plain (Bottom Land)	frigid	loamy	no	occ flood, loamy over l. sand
Sunday	202	6.0	20.0	6.00	20.0	A	1	Flood Plain (Bottomland)	frigid	sandy	no	frequently flooded
Fryeburg	208	0.6	2.0	2.00	6.0	B	2	Flood Plain (Bottom Land)	frigid	silty	no	very fine sandy loam
Charles	209	0.6	100.0	0.60	100.0	C	5	Flood Plain (Bottom Land)	frigid	silty	no	
Warwick	210	2.0	6.0	20.00	100.0	A	1	Outwash and Stream Terraces	mesic	loamy-skeletal	no	loamy over slate gravel
Naumburg	214	6.0	20.0	6.00	20.0	C	5	Outwash and Stream Terraces	frigid	sandy	yes	
Boscawen	220	6.0	20.0	20.00	100.0	A	1	Outwash and Stream Terraces	frigid	sandy-skeletal	no	loamy cap
Bemis	224	0.6	0.2	0.00	0.2	C	5	Firm, platy, loamy till	cryic	loamy	no	
Bice	226	0.6	6.0	0.60	6.0	B	2	Loose till, loamy textures	frigid	loamy	no	sandy loam
Lanesboro	228	0.6	2.0	0.06	0.2	C	3	Firm, platy, silty till, schist & phyllite	frigid	loamy	no	channery silt loam in Cd
Poocham	230	0.6	2.0	0.20	2.0	B	3	Terraces and glacial lake plains	mesic	silty	no	silt loam in C
Buxton	232	0.1	0.6	0.00	0.2	C	3	Silt and Clay Deposits	frigid	fine	no	silty clay
Scantic	233	0.0	0.2	0.00	0.2	D	5	Silt and Clay Deposits	frigid	fine	no	
Biddeford	234	0.0	0.2	0.00	0.2	D	6	Silt and Clay Deposits	frigid	fine	no	organic over clay
Buckland	237	0.6	2.0	0.06	0.2	C	3	Firm, platy, loamy till	frigid	loamy	no	loam in Cd
Elmridge	238	2.0	6.0	0.00	0.2	C	3	Sandy/loamy over silt/clay	mesic	loamy over clayey	no	
Brayton	240	0.6	2.0	0.06	0.6	C	5	Firm, platy, silty till, schist & phyllite	frigid	loamy	no	
Lyme	246	0.6	6.0	0.60	6.0	C	5	Loose till, sandy textures	frigid	loamy	no	
Millsite	251	0.6	6.0	0.60	6.0	C	4	Loose till, bedrock	frigid	loamy	no	20 to 40 in. deep
Macomber	252	0.6	2.0	0.60	2.0	C	4	Friable till, silty, schist & phyllite	frigid	loamy-skeletal	yes	20 to 40 in. deep
Lombard	259	0.6	6.0	2.00	20.0	C/D	2	Weathered bedrock, phyllite	frigid	loamy	no	very channery
Sunapee var	269	0.6	2.0	0.60	6.0	B	3	Loose till, loamy textures	frigid	loamy	yes	frigid dystrudept
Chatfield Var.	289	0.6	6.0	0.60	6.0	B	3	Loose till, bedrock	mesic	loamy	no	mwd to swpd
Greenwood	295					A/D	6	Organic Materials - Freshwater	frigid	hemic	no	deep organic
Catden	296					A/D	6	Organic Materials - Freshwater	mesic	sapric	no	deep organic
Lovewell	307	0.6	2.0	0.60	2.0	B	3	Flood Plain (Bottom Land)	frigid	silty	no	very fine sandy loam
Quonset	310	2.0	20.0	20.00	100.0	A	1	Outwash and Stream Terraces	mesic	sandy-skeletal	no	shale
Deerfield	313	6.0	20.0	20.00	100.0	B	3	Outwash and Stream Terraces	mesic	sandy	no	single grain in C

Soil Series	legend number	Ksat low - B in/hr	Ksat high - B in/hr	Ksat low - C in/hr	Ksat high - C in/hr	Hyd. Grp.	Group	Land Form	Temp.	Soil Textures	Spodosol ?	Other
Pipestone	314					B	5	Outwash and Stream Terraces	mesic	sandy	yes	
Mashpee	315	6.0	20.0	6.00	20.0	B	5	Outwash and Stream Terraces	mesic	sandy	yes	
Bernardston	330	0.6	2.0	0.06	0.2	C	3	Firm, platy, silty till, schist & phyllite	mesic	loamy	no	channery silt loam in Cd
Roundabout	333	0.2	2.0	0.06	0.6	C	5	Terraces and glacial lake plains	frigid	silty	no	silt loam in the C
Pittstown	334	0.6	2.0	0.06	0.2	C	3	Firm, platy, silty till, schist & phyllite	mesic	loamy	no	channery silt loam in Cd
Elmwood	338	2.0	6.0	0.00	0.2	C	3	Sandy/loamy over silt/clay	frigid	loamy over clayey	no	
Stissing	340	0.6	2.0	0.06	0.2	C	5	Firm, platy, silty till, schist & phyllite	mesic	loamy	no	
Cardigan	357	0.6	2.0	0.60	2.0	B	4	Friable till, silty, schist & phyllite	mesic	loamy	no	20 to 40 in. deep
Kearsarge	359	0.6	2.0	0.60	2.0	B	4	Friable till, silty, schist & phyllite	mesic	loamy	no	less than 20 in. deep
Dutchess	366	0.6	2.0	0.60	2.0	B	2	Friable till, silty, schist & phyllite	mesic	loamy	no	very channery
Dixfield	378	0.6	2.0	0.06	0.6	C	3	Firm, platy, loamy till	frigid	loamy	yes	fine sandy loam in Cd
Timakwa	393			6.00	100.0	D	6	Organic Materials - Freshwater	mesic	sandy or sandy-skeletal	no	organic over sand
Chocorua	395			6.00	20.0	D	6	Organic Materials - Freshwater	frigid	sandy or sandy-skeletal	no	organic over sand
Ipswich	397					D	6	Tidal Flat	mesic	hemic/sapric	no	deep organic
Suncook	402	6.0	20.0	6.00	20.0	A	1	Flood Plain (Bottomland)	mesic	sandy	no	frequent flooding
Metallak	404	6.0	100.0	6.00	100.0	B	3	Flood Plain (Bottom Land)	frigid	loamy over sandy	no	sandy or sandy-skeletal
Medomak	406	0.6	2.0	0.60	2.0	D	6	Flood Plain (Bottom Land)	frigid	silty	no	organic over silt
Haven	410	0.6	2.0	20.00	100.0	B	2	Outwash and Stream Terraces	mesic	loamy over sandy	no	loamy over sand/gravel
Duane	413	6.0	20.0	6.00	20.0	B	3	Outwash and Stream Terraces	frigid	sandy-skeletal	yes	cemented (ortstein)
Moosilauke	414	6.0	20.0	6.00	20.0	C	5	Loose till, sandy textures	frigid	sandy	no	
Grange	433	0.6	2.0	0.60	2.0	C	5	Outwash and Stream Terraces	frigid	co. loamy over sandy (skeletal)	no	
Swanton	438	2.0	6.0	0.00	0.2	C	5	Sandy/loamy over silt/clay	frigid	co. loamy over clayey	no	
Shaker	439	2.0	6.0	0.00	0.2	C	5	Sandy/loamy over silt/clay	mesic	co. loamy over clayey	no	
Chichester	442	0.6	2.0	2.00	6.0	B		Loose till, sandy textures	frigid	loamy over sandy	no	loamy over loamy sand
Newfields	444	0.6	2.0	0.60	2.0	B	3	Loose till, sandy textures	mesic	loamy over sandy	no	sandy or sandy-skeletal
Scituate	448	0.6	2.0	0.06	0.2	C	3	Firm, platy, sandy till	mesic	loamy	no	loamy sand in Cd
Metacomet	458	0.6	2.0	0.06	0.6	C	3	Firm, platy, sandy till	frigid	loamy	no	loamy sand in Cd
Pennichuck	460	0.6	2.0	0.60	2.0	B	4	Friable till, silty, schist & phyllite	mesic	loamy-skeletal	no	20 to 40 in. deep
Gilmanton	478	0.6	2.0	0.06	0.6	C	3	Firm, platy, loamy till	frigid	loamy	no	fine sandy loam in Cd
Ossipee	495			0.20	2.0	D	6	Organic Materials - Freshwater	frigid	loamy	no	organic over loam
Natchaug	496			0.20	2.0	D	6	Organic Materials - Freshwater	mesic	loamy	no	organic over loam
Pawcatuck	497			20.00	100.0	D	6	Tidal Flat	mesic	sandy or sandy-skeletal	no	organic over sand
Abenaki	501	0.6	2.0	6.00	99.0	B	2	Outwash and Stream Terraces	frigid	loamy over sandy-skeletal	no	loamy over gravelly
Cohas	505	0.6	2.0	0.60	100.0	C	5	Flood Plain (Bottom Land)	frigid	co. loamy over sandy (skeletal)	no	
Hoosic	510	2.0	20.0	20.00	100.0	A	1	Outwash and Stream Terraces	mesic	sandy-skeletal	no	slate, loamy cap
Ninigret	513	0.6	6.0	6.00	20.0	B	3	Outwash and Stream Terraces	mesic	loamy over sandy	no	sandy or sandy-skeletal
Leicester	514	0.6	6.0	0.60	20.0	C	5	Loose till, loamy textures	mesic	loamy	no	
Au Gres	516					B	5	Outwash and Stream Terraces	frigid	sandy	yes	single grain, loose
Machias	520	2.0	6.0	6.00	20.0	B	3	Outwash and Stream Terraces	frigid	sandy or sandy-skeletal	yes	strata sand/gravel in C
Stetson	523	0.6	6.0	6.00	20.0	B	2	Outwash and Stream Terraces	frigid	sandy-skeletal	yes	loamy over gravelly
Caesar	526	20.0	100.0	20.00	100.0	A	1	Outwash and Stream Terraces	mesic	coarse sand	no	
Scio	531	0.6	2.0	0.60	2.0	B	3	Terraces and glacial lake plains	mesic	silty	no	gravelly sand in 2C
Belgrade	532	0.6	2.0	0.06	2.0	B	3	Terraces and glacial lake plains	mesic	silty	no	strata of fine sand
Raynham	533	0.2	2.0	0.06	0.2	C	5	Terraces and glacial lake plains	mesic	silty	no	
Binghamville	534	0.2	2.0	0.06	0.2	D	5	Terraces and glacial lake plains	mesic	silty	no	
Suffield	536	0.6	2.0	0.00	0.2	C	3	Sandy/loamy over silt/clay	mesic	silty over clayey	no	deep to clay C
Squamscott	538	6.0	20.0	0.06	0.6	C	5	Sandy/loamy over silt/clay	mesic	sandy over loamy	yes	
Raypol	540	0.6	2.0	6.00	100.0	D	5	Outwash and Stream Terraces	mesic	co. loamy over sandy (skeletal)	no	
Walpole	546	2.0	6.0	6.00	20.0	C	5	Outwash and Stream Terraces	mesic	sandy	no	
Peacham	549	0.6	2.0	0.00	0.2	D	6	Firm, platy, silty till, schist & phylitte	frigid	loamy	no	organic over loam
Skerry	558	0.6	2.0	0.06	0.6	C	3	Firm, platy, sandy till	frigid	loamy	yes	loamy sand in Cd
Plaisted	563	0.6	2.0	0.06	0.6	C	3	Firm, platy, silty till, schist & phyllite	frigid	loamy	yes	channery silt loam in Cd
Howland	566	0.6	2.0	0.06	0.2	C	3	Firm, platy, silty till, schist & phyllite	frigid	loamy	yes	silt loam, platy in Cd
Monarda	569	0.2	2.0	0.02	0.2	D	5	Firm, platy, silty till, schist & phyllite	frigid	loamy	no	
Bangor	572	0.6	2.0	0.60	2.0	B	2	Friable till, silty, schist & phyllite	frigid	loamy	yes	silt loam

Soil Series	legend number	Ksat low - B in/hr	Ksat high - B in/hr	Ksat low - C in/hr	Ksat high - C in/hr	Hyd. Grp.	Group	Land Form	Temp.	Soil Textures	Spodosol ?	Other
Dixmont	578	0.6	2.0	0.60	2.0	C	3	Friable till, silty, schist & phyllite	frigid	loamy	yes	silt loam, platy in C
Cabot	589	0.6	2.0	0.06	0.2	D	5	Firm, platy, silty till, schist & phyllite	frigid	loamy	no	
Westbrook	597			0.00	2.0	D	6	Tidal Flat	mesic	loamy	no	organic over loam
Mundal	610	0.6	2.0	0.06	0.6	C	3	Firm, platy, loamy till	frigid	loamy	yes	gravelly sandy loam in Cd
Croghan	613	20.0	100.0	20.00	100.0	B	3	Outwash and Stream Terraces	frigid	sandy	yes	single grain in C
Kinsman	614	6.0	20.0	6.00	20.0	C	5	Outwash and Stream Terraces	frigid	sandy	yes	
Salmon	630	0.6	2.0	0.60	2.0	B	2	Terraces and glacial lake plains	frigid	silty	yes	very fine sandy loam
Nicholville	632	0.6	2.0	0.60	2.0	C	3	Terraces and glacial lake plains	frigid	silty	yes	very fine sandy loam
Pemi	633	0.6	2.0	0.06	0.6	C	5	Terraces and glacial lake plains	frigid	silty	no	
Pillsbury	646	0.6	2.0	0.06	0.2	C	5	Firm, platy, loamy till	frigid	silty	no	
Ridgebury	656	0.6	6.0	0.00	0.2	C	5	Firm, platy, loamy till	mesic	loamy	no	
Canaan	663	2.0	20.0	2.00	20.0	C	4	Weathered Bedrock Till	frigid	loamy-skeletal	yes	less than 20 in. deep
Redstone	665	2.0	6.0	6.00	20.0	A	1	Weathered Bedrock Till	frigid	fragmental	yes	loamy cap
Sisk	667	0.6	2.0	0.00	0.6	C	3	Firm, platy, loamy till	cryic	loamy	yes	sandy loam in Cd
Surplus	669	0.6	2.0	0.00	0.6	C	3	Firm, platy, loamy till	cryic	loamy	yes	mwd, sandy loam in Cd
Glebe	671	2.0	6.0	2.00	6.0	C	4	Loose till, bedrock	cryic	loamy	yes	20 to 40 in. deep
Saddleback	673	0.6	2.0	0.60	2.0	C/D	4	Loose till, bedrock	cryic	loamy	yes	less than 20 in. deep
Ricker	674	2.0	6.0	2.00	6.0	A	4	Organic over bedrock (up to 4" of mineral)	cryic	fibric to hemic	no	well drained, less than 20 in. deep
Houghtonville	795	0.6	6.0	0.60	6.0	B	2	Loose till, loamy textures	frigid	loamy	yes	cobbly fine sandy loam
Matunuck	797			20.00	100.0	D	6	Tidal Flat	mesic	sandy	no	organic over sand
Meadowsedge	894					D	6	Organic Materials - Freshwater	frigid	peat	no	deep organic
Bucksport	895					D	6	Organic Materials - Freshwater	frigid	sapric	no	deep organic
Colonel	927	0.6	2.0	0.06	0.6	C	3	Firm, platy, loamy till	frigid	loamy	yes	loam in Cd
Pondicherry	992			6.00	20.0	D	6	Organic Materials - Freshwater	frigid	sandy or sandy-skeletal	no	organic over sand
Wonsqueak	995			0.20	2.0	D	6	Organic Materials - Freshwater	frigid	loamy	no	organic over loam
Glover	NA	0.6	2.0	0.60	2	D	4	Friable till, silty, schist & phyllite	frigid	loamy	no	less than 20 in. deep

no longer recognized
organic materials

TABLE B

SOIL SERIES

Soil Series	legend number	Ksat low - B in/hr	Ksat high - B in/hr	Ksat low - C in/hr	Ksat high - C in/hr	Hyd. Grp.	Group	Land Form	Temp.	Soil Textures	Spodosol ?	Other
Abenaki	501	0.6	2.0	6.00	99.0	B	2	Outwash and Stream Terraces	frigid	loamy over sandy-skeletal	no	loamy over gravelly
Acton	146	2.0	20.0	2.00	20.0	B	3	Loose till, sandy textures	mesic	sandy-skeletal	no	cobbly loamy sand
Adams	36	6.0	20.0	20.00	99.0	A	1	Outwash and Stream Terraces	frigid	sandy	yes	
Agawam	24	6.0	20.0	20.00	100.0	B	2	Outwash and Stream Terraces	mesic	loamy over sandy	no	loamy over sand/gravel
Allagash	127	0.6	2.0	6.00	20.0	B	2	Outwash and Stream Terraces	frigid	loamy over sandy	yes	loamy over sandy
Au Gres	516					B	5	Outwash and Stream Terraces	frigid	sandy	yes	single grain, loose
Bangor	572	0.6	2.0	0.60	2.0	B	2	Friable till, silty, schist & phyllite	frigid	loamy	yes	silt loam
Becket	56	0.6	2.0	0.06	0.6	C	3	Firm, platy, sandy till	frigid	loamy	yes	gravelly sandy loam in Cd
Belgrade	532	0.6	2.0	0.06	2.0	B	3	Terraces and glacial lake plains	mesic	silty	no	strata of fine sand
Bemis	224	0.6	0.2	0.00	0.2	C	5	Firm, platy, loamy till	cryic	loamy	no	
Berkshire	72	0.6	6.0	0.60	6.0	B	2	Loose till, loamy textures	frigid	loamy	yes	fine sandy loam
Bernardston	330	0.6	2.0	0.06	0.2	C	3	Firm, platy, silty till, schist & phyllite	mesic	loamy	no	channery silt loam in Cd
Bice	226	0.6	6.0	0.60	6.0	B	2	Loose till, loamy textures	frigid	loamy	no	sandy loam
Biddeford	234	0.0	0.2	0.00	0.2	D	6	Silt and Clay Deposits	frigid	fine	no	organic over clay
Binghamville	534	0.2	2.0	0.06	0.2	D	5	Terraces and glacial lake plains	mesic	silty	no	
Boscawen	220	6.0	20.0	20.00	100.0	A	1	Outwash and Stream Terraces	frigid	sandy-skeletal	no	loamy cap
Boxford	32	0.1	0.2	0.00	0.2	C	3	Silt and Clay Deposits	mesic	fine	no	silty clay loam
Brayton	240	0.6	2.0	0.06	0.6	C	5	Firm, platy, silty till, schist & phyllite	frigid	loamy	no	
Buckland	237	0.6	2.0	0.06	0.2	C	3	Firm, platy, loamy till	frigid	loamy	no	loam in Cd
Bucksport	895					D	6	Organic Materials - Freshwater	frigid	sapric	no	deep organic
Burnham	131	0.2	6.0	0.02	0.2	D	6	Firm, platy, silty till, schist & phylitte	frigid	loamy	no	organic over silt
Buxton	232	0.1	0.6	0.00	0.2	C	3	Silt and Clay Deposits	frigid	fine	no	silty clay
Cabot	589	0.6	2.0	0.06	0.2	D	5	Firm, platy, silty till, schist & phyllite	frigid	loamy	no	
Caesar	526	20.0	100.0	20.00	100.0	A	1	Outwash and Stream Terraces	mesic	coarse sand	no	
Canaan	663	2.0	20.0	2.00	20.0	C	4	Weathered Bedrock Till	frigid	loamy-skeletal	yes	less than 20 in. deep
Canterbury	166	0.6	2.0	0.06	0.6	C	3	Firm, platy, loamy till	frigid	loamy	no	loam in Cd
Canton	42	2.0	6.0	6.00	20.0	B	2	Loose till, sandy textures	mesic	loamy over sandy	no	loamy over loamy sand
Cardigan	357	0.6	2.0	0.60	2.0	B	4	Friable till, silty, schist & phyllite	mesic	loamy	no	20 to 40 in. deep
Catden	296					A/D	6	Organic Materials - Freshwater	mesic	sapric	no	deep organic
Champlain	35	6.0	20.0	20.00	100.0	A	1	Outwash and Stream Terraces	frigid	gravelly sand	no	
Charles	209	0.6	100.0	0.60	100.0	C	5	Flood Plain (Bottom Land)	frigid	silty	no	
Charlton	62	0.6	6.0	0.60	6.0	B	2	Loose till, loamy textures	mesic	loamy	no	fine sandy loam
Chatfield	89	0.6	6.0	0.60	6.0	B	4	Loose till, bedrock	mesic	loamy	no	20 to 40 in. deep
Chatfield Var.	289	0.6	6.0	0.60	6.0	B	3	Loose till, bedrock	mesic	loamy	no	mwd to swpd
Chesuncook	126	0.6	2.0	0.02	0.2	C	3	Firm, platy, silty till, schist & phyllite	frigid	loamy	yes	channery silt loam in Cd
Chichester	442	0.6	2.0	2.00	6.0	B		Loose till, sandy textures	frigid	loamy over sandy	no	loamy over loamy sand
Chocorua	395			6.00	20.0	D	6	Organic Materials - Freshwater	frigid	sandy or sandy-skeletal	no	organic over sand
Cohas	505	0.6	2.0	0.60	100.0	C	5	Flood Plain (Bottom Land)	frigid	co. loamy over sandy (skeletal)	no	
Colonel	927	0.6	2.0	0.06	0.6	C	3	Firm, platy, loamy till	frigid	loamy	yes	loam in Cd
Colton	22	6.0	20.0	20.00	100.0	A	1	Outwash and Stream Terraces	frigid	sandy-skeletal	yes	
Colton, gravelly	21	6.0	20.0	20.00	100.0	A	1	Outwash and Stream Terraces	frigid	sandy-skeletal	yes	gravelly surface
Croghan	613	20.0	100.0	20.00	100.0	B	3	Outwash and Stream Terraces	frigid	sandy	yes	single grain in C
Dartmouth	132	0.6	2.0	0.06	0.6	B	3	Terraces and glacial lake plains	mesic	silty	no	thin strata silty clay loam
Deerfield	313	6.0	20.0	20.00	100.0	B	3	Outwash and Stream Terraces	mesic	sandy	no	single grain in C
Dixfield	378	0.6	2.0	0.06	0.6	C	3	Firm, platy, loamy till	frigid	loamy	yes	fine sandy loam in Cd
Dixmont	578	0.6	2.0	0.60	2.0	C	3	Friable till, silty, schist & phyllite	frigid	loamy	yes	silt loam, platy in C
Duane	413	6.0	20.0	6.00	20.0	B	3	Outwash and Stream Terraces	frigid	sandy-skeletal	yes	cemented (ortstein)
Dutchess	366	0.6	2.0	0.60	2.0	B	2	Friable till, silty, schist & phyllite	mesic	loamy	no	very channery
Eldridge	38	6.0	20.0	0.06	0.6	C	3	Sandy/loamy over silt/clay	mesic	sandy over loamy	no	
Elliottsville	128	0.6	2.0	0.60	2.0	B	4	Friable till, silty, schist & phyllite	frigid	loamy	yes	20 to 40 in. deep
Elmridge	238	2.0	6.0	0.00	0.2	C	3	Sandy/loamy over silt/clay	mesic	loamy over clayey	no	
Elmwood	338	2.0	6.0	0.00	0.2	C	3	Sandy/loamy over silt/clay	frigid	loamy over clayey	no	
Finch	116					C	3	Outwash and Stream Terraces	frigid	sandy	yes	cemented (ortstein)

Soil Series	legend number	Ksat low - B in/hr	Ksat high - B in/hr	Ksat low - C in/hr	Ksat high - C in/hr	Hyd. Grp.	Group	Land Form	Temp.	Soil Textures	Spodosol ?	Other
Fryeburg	208	0.6	2.0	2.00	6.0	B	2	Flood Plain (Bottom Land)	frigid	silty	no	very fine sandy loam
Gilmanton	478	0.6	2.0	0.06	0.6	C	3	Firm, platy, loamy till	frigid	loamy	no	fine sandy loam in Cd
Glebe	671	2.0	6.0	2.00	6.0	C	4	Loose till, bedrock	cryic	loamy	yes	20 to 40 in. deep
Gloucester	11	6.0	20.0	6.00	20.0	A	1	Sandy Till	mesic	sandy-skeletal	no	loamy cap
Glover	NA	0.6	2.0	0.60	2	D	4	Friable till, silty, schist & phyllite	frigid	loamy	no	less than 20 in. deep
Grange	433	0.6	2.0	0.60	2.0	C	5	Outwash and Stream Terraces	frigid	co. loamy over sandy (skeletal)	no	
Greenwood	295					A/D	6	Organic Materials - Freshwater	frigid	hemic	no	deep organic
Groveton	27	0.6	2.0	0.60	6.0	B	2	Outwash and Stream Terraces	frigid	loamy	yes	loamy over sandy
Hadley	8	0.6	2.0	0.60	6.0	B	2	Flood Plain (Bottom Land)	mesic	silty	no	strata of fine sand
Hadley	108	0.6	2.0	0.60	6.0	B	2	Flood Plain (Bottom Land)	mesic	silty	no	strata of fine sand, occ flooded
Hartland	31	0.6	2.0	0.20	2.0	B	2	Terraces and glacial lake plains	mesic	silty	no	very fine sandy loam
Haven	410	0.6	2.0	20.00	100.0	B	2	Outwash and Stream Terraces	mesic	loamy over sandy	no	loamy over sand/gravel
Henniker	46	0.6	2.0	0.06	0.6	C	3	Firm, platy, sandy till	frigid	loamy	no	loamy sand in Cd
Hermon	55	2.0	20.0	6.00	20.0	A	1	Sandy Till	frigid	sandy-skeletal	yes	loamy cap
Hinckley	12	6.0	20.0	20.00	100.0	A	1	Outwash and Stream Terraces	mesic	sandy-skeletal	no	
Hitchcock	130	0.6	2.0	0.06	0.6	B	3	Terraces and glacial lake plains	mesic	silty	no	silt loam to silt in C
Hogback	91	2.0	6.0	2.00	6.0	C	4	Loose till, bedrock	frigid	loamy	yes	less than 20 in. deep
Hollis	86	0.6	6.0	0.60	6.0	C/D	4	Loose till, bedrock	mesic	loamy	no	less than 20 in. deep
Hoosic	510	2.0	20.0	20.00	100.0	A	1	Outwash and Stream Terraces	mesic	sandy-skeletal	no	slate, loamy cap
Houghtonville	795	0.6	6.0	0.60	6.0	B	2	Loose till, loamy textures	frigid	loamy	yes	cobbly fine sandy loam
Howland	566	0.6	2.0	0.06	0.2	C	3	Firm, platy, silty till, schist & phyllite	frigid	loamy	yes	silt loam, platy in Cd
Ipswich	397					D	6	Tidal Flat	mesic	hemic/sapric	no	deep organic
Kearsarge	359	0.6	2.0	0.60	2.0	B	4	Friable till, silty, schist & phyllite	mesic	loamy	no	less than 20 in. deep
Kinsman	614	6.0	20.0	6.00	20.0	C	5	Outwash and Stream Terraces	frigid	sandy	yes	
Lanesboro	228	0.6	2.0	0.06	0.2	C	3	Firm, platy, silty till, schist & phyllite	frigid	loamy	no	channery silt loam in Cd
Leicester	514	0.6	6.0	0.60	20.0	C	5	Loose till, loamy textures	mesic	loamy	no	
Lim	3	0.6	2.0	6.00	20.0	C	5	Flood Plain (Bottom Land)	mesic	loamy	no	
Limerick	109	0.6	2.0	0.60	2.0	C	5	Flood Plain (Bottom Land)	mesic	silty	no	
Lombard	259	0.6	6.0	2.00	20.0	C/D	2	Weathered bedrock, phyllite	frigid	loamy	no	very channery
Lovewell	307	0.6	2.0	0.60	2.0	B	3	Flood Plain (Bottom Land)	frigid	silty	no	very fine sandy loam
Lyman	92	2.0	6.0	2.00	6.0	A/D	4	Loose till, bedrock	frigid	loamy	yes	less than 20 in. deep
Lyme	246	0.6	6.0	0.60	6.0	C	5	Loose till, sandy textures	frigid	loamy	no	
Machias	520	2.0	6.0	6.00	20.0	B	3	Outwash and Stream Terraces	frigid	sandy or sandy-skeletal	yes	strata sand/gravel in C
Macomber	252	0.6	2.0	0.60	2.0	C	4	Friable till, silty, schist & phyllite	frigid	loamy-skeletal	yes	20 to 40 in. deep
Madawaska	28	0.6	2.0	6.00	20.0	B	3	Outwash and Stream Terraces	frigid	loamy over sandy	yes	sandy or sandy-skeletal
Madawaska, aquer	48	0.6	2.0	6.00	20.0	B	3	Outwash and Stream Terraces	frigid	loamy over sandy	yes	sandy or sandy-skeletal
Marlow	76	0.6	2.0	0.06	0.6	C	3	Firm, platy, loamy till	frigid	loamy	yes	fine sandy loam in Cd
Masardis	23	6.0	20.0	6.00	20.0	A	1	Outwash and Stream Terraces	frigid	sandy-skeletal	yes	slate, loamy cap
Mashpee	315	6.0	20.0	6.00	20.0	B	5	Outwash and Stream Terraces	mesic	sandy	yes	
Matunuck	797			20.00	100.0	D	6	Tidal Flat	mesic	sandy	no	organic over sand
Maybid	134	0.0	0.2	0.00	0.2	D	6	Silt and Clay Deposits	mesic	fine	no	silt over clay
Meadowsedge	894					D	6	Organic Materials - Freshwater	frigid	peat	no	deep organic
Medomak	406	0.6	2.0	0.60	2.0	D	6	Flood Plain (Bottom Land)	frigid	silty	no	organic over silt
Melrose	37	2.0	6.0	0.00	0.2	C	3	Sandy/loamy over silt/clay	frigid	loamy over clayey	no	silty clay loam in C
Merrimac	10	2.0	20.0	6.00	20.0	A	1	Outwash and Stream Terraces	mesic	gravelly sand	no	loamy cap
Metacomet	458	0.6	2.0	0.06	0.6	C	3	Firm, platy, sandy till	frigid	loamy	no	loamy sand in Cd
Metallak	404	6.0	100.0	6.00	100.0	B	3	Flood Plain (Bottom Land)	frigid	loamy over sandy	no	sandy or sandy-skeletal
Millis	39					C	3	Firm, platy, sandy till	frigid	loamy	yes	loamy sand in Cd
Millsite	251	0.6	6.0	0.60	6.0	C	4	Loose till, bedrock	frigid	loamy	no	20 to 40 in. deep
Monadnock	142	0.6	2.0	2.00	6.0	B	2	Loose till, sandy textures	frigid	oamy over sandy, sandy-skeleta	yes	gravelly loamy sand in C
Monarda	569	0.2	2.0	0.02	0.2	D	5	Firm, platy, silty till, schist & phyllite	frigid	loamy	no	
Monson	133	0.6	2.0	0.60	2.0	D	4	Friable till, silty, schist & phyllite	frigid	loamy	yes	less than 20 in. deep
Montauk	44	0.6	6.0	0.06	0.6	C	3	Firm, platy, sandy till	mesic	loamy	no	loamy sand in Cd
Moosilauke	414	6.0	20.0	6.00	20.0	C	5	Loose till, sandy textures	frigid	sandy	no	

Soil Series	legend number	Ksat low - B in/hr	Ksat high - B in/hr	Ksat low - C in/hr	Ksat high - C in/hr	Hyd. Grp.	Group	Land Form	Temp.	Soil Textures	Spodosol ?	Other
Mundal	610	0.6	2.0	0.06	0.6	C	3	Firm, platy, loamy till	frigid	loamy	yes	gravelly sandy loam in Cd
Natchaug	496			0.20	2.0	D	6	Organic Materials - Freshwater	mesic	loamy	no	organic over loam
Naumburg	214	6.0	20.0	6.00	20.0	C	5	Outwash and Stream Terraces	frigid	sandy	yes	
Newfields	444	0.6	2.0	0.60	2.0	B	3	Loose till, sandy textures	mesic	loamy over sandy	no	sandy or sandy-skeletal
Nicholville	632	0.6	2.0	0.60	2.0	C	3	Terraces and glacial lake plains	frigid	silty	yes	very fine sandy loam
Ninigret	513	0.6	6.0	6.00	20.0	B	3	Outwash and Stream Terraces	mesic	loamy over sandy	no	sandy or sandy-skeletal
Occum	1	0.6	2.0	6.00	20.0	B	2	Flood Plain (Bottom Land)	mesic	loamy	no	loamy over loamy sand
Ondawa	101	0.6	6.0	6.00	20.0	B	2	Flood Plain (Bottom Land)	frigid	loamy	no	loamy over loamy sand
Ondawa	201	0.6	6.0	6.00	20.0	B	2	Flood Plain (Bottom Land)	frigid	loamy	no	occ flood, loamy over l. sand
Ossipee	495			0.20	2.0	D	6	Organic Materials - Freshwater	frigid	loamy	no	organic over loam
Pawcatuck	497			20.00	100.0	D	6	Tidal Flat	mesic	sandy or sandy-skeletal	no	organic over sand
Paxton	66	0.6	2.0	0.00	0.2	C	3	Firm, platy, loamy till	mesic	loamy	no	
Peacham	549	0.6	2.0	0.00	0.2	D	6	Firm, platy, silty till, schist & phylitte	frigid	loamy	no	organic over loam
Pemi	633	0.6	2.0	0.06	0.6	C	5	Terraces and glacial lake plains	frigid	silty	no	
Pennichuck	460	0.6	2.0	0.60	2.0	B	4	Friable till, silty, schist & phyllite	mesic	loamy-skeletal	no	20 to 40 in. deep
Peru	78	0.6	2.0	0.06	0.6	C	3	Firm, platy, loamy till	frigid	loamy	yes	
Pillsbury	646	0.6	2.0	0.06	0.2	C	5	Firm, platy, loamy till	frigid	silty	no	
Pipestone	314					B	5	Outwash and Stream Terraces	mesic	sandy	yes	
Pittstown	334	0.6	2.0	0.06	0.2	C	3	Firm, platy, silty till, schist & phyllite	mesic	loamy	no	channery silt loam in Cd
Plaisted	563	0.6	2.0	0.06	0.6	C	3	Firm, platy, silty till, schist & phyllite	frigid	loamy	yes	channery silt loam in Cd
Podunk	104	0.6	6.0	6.00	20.0	B	3	Flood Plain (Bottom Land)	frigid	loamy	no	loamy to coarse sand in C
Pondicherry	992			6.00	20.0	D	6	Organic Materials - Freshwater	frigid	sandy or sandy-skeletal	no	organic over sand
Poocham	230	0.6	2.0	0.20	2.0	B	3	Terraces and glacial lake plains	mesic	silty	no	silt loam in C
Pootatuck	4	0.6	6.0	6.00	20.0	B	3	Flood Plain (Bottom Land)	mesic	loamy	no	single grain in C
Quonset	310	2.0	20.0	20.00	100.0	A	1	Outwash and Stream Terraces	mesic	sandy-skeletal	no	shale
Rawsonville	98	0.6	6.0	0.60	6.0	C	4	Loose till, bedrock	frigid	loamy	yes	20 to 40 in. deep
Raynham	533	0.2	2.0	0.06	0.2	C	5	Terraces and glacial lake plains	mesic	silty	no	
Raypol	540	0.6	2.0	6.00	100.0	D	5	Outwash and Stream Terraces	mesic	co. loamy over sandy (skeletal)	no	
Redstone	665	2.0	6.0	6.00	20.0	A	1	Weathered Bedrock Till	frigid	fragmental	yes	loamy cap
Ricker	674	2.0	6.0	2.00	6.0	A	4	rganic over bedrock (up to 4" of minera	cryic	fibric to hemic	no	well drained, less than 20 in. deep
Ridgebury	656	0.6	6.0	0.00	0.2	C	5	Firm, platy, loamy till	mesic	loamy	no	
Rippowam	5	0.6	6.0	6.00	20.0	C	5	Flood Plain (Bottom Land)	mesic	loamy	no	
Roundabout	333	0.2	2.0	0.06	0.6	C	5	Terraces and glacial lake plains	frigid	silty	no	silt loam in the C
Rumney	105	0.6	6.0	6.00	20.0	C	5	Flood Plain (Bottom Land)	frigid	loamy	no	
Saco	6	0.6	2.0	6.00	20.0	D	6	Flood Plain (Bottom Land)	mesic	silty	no	strata
Saddleback	673	0.6	2.0	0.60	2.0	C/D	4	Loose till, bedrock	cryic	loamy	yes	less than 20 in. deep
Salmon	630	0.6	2.0	0.60	2.0	B	2	Terraces and glacial lake plains	frigid	silty	yes	very fine sandy loam
Saugatuck	16	0.06	0.2	6.00	20.0	C	5	Outwash and Stream Terraces	mesic	sandy	yes	ortstein
Scantic	233	0.0	0.2	0.00	0.2	D	5	Silt and Clay Deposits	frigid	fine	no	
Scarboro	115	6.0	20.0	6.00	20.0	D	6	Outwash and Stream Terraces	mesic	sandy	no	organic over sand, non stony
Scio	531	0.6	2.0	0.60	2.0	B	3	Terraces and glacial lake plains	mesic	silty	no	gravelly sand in 2C
Scitico	33	0.0	0.2	0.00	0.2	C	5	Silt and Clay Deposits	mesic	fine	no	
Scituate	448	0.6	2.0	0.06	0.2	C	3	Firm, platy, sandy till	mesic	loamy	no	loamy sand in Cd
Searsport	15	6.0	20.0	6.00	20.0	D	6	Outwash and Stream Terraces	frigid	sandy	no	organic over sand
Shaker	439	2.0	6.0	0.00	0.2	C	5	Sandy/loamy over silt/clay	mesic	co. loamy over clayey	no	
Shapleigh	136					C/D	4	Sandy Till	mesic	sandy	yes	less than 20 in. deep
Sheepscot	14	6.0	20.0	6.00	20.0	B	3	Outwash and Stream Terraces	frigid	sandy-skeletal	yes	gravelly coarse sand
Sisk	667	0.6	2.0	0.00	0.6	C	3	Firm, platy, loamy till	cryic	loamy	yes	sandy loam in Cd
Skerry	558	0.6	2.0	0.06	0.6	C	3	Firm, platy, sandy till	frigid	loamy	yes	loamy sand in Cd
Squamscott	538	6.0	20.0	0.06	0.6	C	5	Sandy/loamy over silt/clay	mesic	sandy over loamy	yes	
Stetson	523	0.6	6.0	6.00	20.0	B	2	Outwash and Stream Terraces	frigid	sandy-skeletal	yes	loamy over gravelly
Stissing	340	0.6	2.0	0.06	0.2	C	5	Firm, platy, silty till, schist & phyllite	mesic	loamy	no	
Success	154	2.0	6.0	6.00	20.0	A	1	Sandy Till	frigid	sandy-skeletal	yes	cemented
Sudbury	118	2.0	6.0	2.00	20.0	B	3	Outwash and Stream Terraces	mesic	sandy	no	loam over gravelly sand

Soil Series	legend number	Ksat low - B in/hr	Ksat high - B in/hr	Ksat low - C in/hr	Ksat high - C in/hr	Hyd. Grp.	Group	Land Form	Temp.	Soil Textures	Spodosol ?	Other
Suffield	536	0.6	2.0	0.00	0.2	C	3	Sandy/loamy over silt/clay	mesic	silty over clayey	no	deep to clay C
Sunapee	168	0.6	2.0	0.60	6.0	B	3	Loose till, loamy textures	frigid	loamy	yes	
Sunapee var	269	0.6	2.0	0.60	6.0	B	3	Loose till, loamy textures	frigid	loamy	yes	frigid dystrudept
Suncook	2	6.0	20.0	6.00	20.0	A	1	Flood Plain (Bottomland)	mesic	sandy	no	occasionally flooded
Suncook	402	6.0	20.0	6.00	20.0	A	1	Flood Plain (Bottomland)	mesic	sandy	no	frequent flooding
Sunday	102	6.0	20.0	6.00	20.0	A	1	Flood Plain (Bottomland)	frigid	sandy	no	occasionally flooded
Sunday	202	6.0	20.0	6.00	20.0	A	1	Flood Plain (Bottomland)	frigid	sandy	no	frequently flooded
Surplus	669	0.6	2.0	0.00	0.6	C	3	Firm, platy, loamy till	cryic	loamy	yes	mwd, sandy loam in Cd
Sutton	68	0.6	6.0	0.60	6.0	B	3	Loose till, loamy textures	mesic	loamy	no	
Swanton	438	2.0	6.0	0.00	0.2	C	5	Sandy/loamy over silt/clay	frigid	co. loamy over clayey	no	
Telos	123	0.6	2.0	0.02	0.2	C	3	Firm, platy, silty till, schist & phyllite	frigid	loamy	yes	channery silt loam in Cd
Thorndike	84	0.6	2.0	0.60	2.0	C/D	4	Friable till, silty, schist & phyllite	frigid	loamy-skeletal	yes	less than 20 in. deep
Timakwa	393			6.00	100.0	D	6	Organic Materials - Freshwater	mesic	sandy or sandy-skeletal	no	organic over sand
Tunbridge	99	0.6	6.0	0.60	6.0	C	4	Loose till, bedrock	frigid	loamy	yes	20 to 40 in. deep
Unadilla	30	0.6	2.0	2.00	20.0	B	2	Terraces and glacial lake plains	mesic	silty	no	silty over gravelly
Vassalboro	150					D	6	Organic Materials - Freshwater	frigid	peat	no	deep organic
Walpole	546	2.0	6.0	6.00	20.0	C	5	Outwash and Stream Terraces	mesic	sandy	no	
Wareham	34	6.0	20.0	6.00	20.0	C	5	Outwash and Stream Terraces	mesic	sandy	no	
Warwick	210	2.0	6.0	20.00	100.0	A	1	Outwash and Stream Terraces	mesic	loamy-skeletal	no	loamy over slate gravel
Waskish	195					D	6	Organic Materials - Freshwater	frigid	peat	no	deep organic
Waumbeck	58	2.0	20.0	6.00	20.0	B	3	Loose till, sandy textures	frigid	sandy-skeletal	yes	very cobbly loamy sand
Westbrook	597			0.00	2.0	D	6	Tidal Flat	mesic	loamy	no	organic over loam
Whitman	49	0.0	0.2	0.00	0.2	D	6	Firm, platy, loamy till	mesic	loamy	no	mucky loam
Windsor	26	6.0	20.0	6.00	20.0	A	1	Outwash and Stream Terraces	mesic	sandy	no	
Winnecook	88	0.6	2.0	0.60	2.0	C	4	Friable till, silty, schist & phyllite	frigid	loamy-skeletal	yes	20 to 40 in. deep
Winooski	9	0.6	6.0	0.60	6.0	B		Flood Plain (Bottom Land)	mesic	silty over loamy	no	
Winooski	103	0.6	6.0	0.60	6.0	B	3	Flood Plain (Bottom Land)	mesic	silty	no	very fine sandy loam
Wonsqueak	995			0.20	2.0	D	6	Organic Materials - Freshwater	frigid	loamy	no	organic over loam
Woodbridge	29	0.6	2.0	0.00	0.6	C	3	Firm, platy, loamy till	mesic	loamy	no	sandy loam in Cd
Woodstock	93	2.0	6.0	2.00	6.0	C/D	4	Loose till, bedrock	frigid	loamy	no	less than 20 in. deep

no longer recognized
organic materials

TABLE C

NHDES SOIL GROUPINGS

Soil Series	number	NHDES Soil Group	Ksat low - B in/hr	Ksat high - B in/hr	Ksat low - C in/hr	Ksat high - C in/hr	Hyd. Grp.	Land Form	Temp.	Soil Textures	Spodosol ?	Other
Adams	36	1	6.0	20.0	20.00	99.0	A	Outwash and Stream Terraces	frigid	sandy	yes	
Boscawen	220	1	6.0	20.0	20.00	100.0	A	Outwash and Stream Terraces	frigid	sandy-skeletal	no	loamy cap
Caesar	526	1	20.0	100.0	20.00	100.0	A	Outwash and Stream Terraces	mesic	coarse sand	no	
Champlain	35	1	6.0	20.0	20.00	100.0	A	Outwash and Stream Terraces	frigid	gravelly sand	no	
Colton	22	1	6.0	20.0	20.00	100.0	A	Outwash and Stream Terraces	frigid	sandy-skeletal	yes	
Colton, gravelly	21	1	6.0	20.0	20.00	100.0	A	Outwash and Stream Terraces	frigid	sandy-skeletal	yes	gravelly surface
Gloucester	11	1	6.0	20.0	6.00	20.0	A	Sandy Till	mesic	sandy-skeletal	no	loamy cap
Hermon	55	1	2.0	20.0	6.00	20.0	A	Sandy Till	frigid	sandy-skeletal	yes	loamy cap
Hinckley	12	1	6.0	20.0	20.00	100.0	A	Outwash and Stream Terraces	mesic	sandy-skeletal	no	
Hoosic	510	1	2.0	20.0	20.00	100.0	A	Outwash and Stream Terraces	mesic	sandy-skeletal	no	slate, loamy cap
Masardis	23	1	6.0	20.0	6.00	20.0	A	Outwash and Stream Terraces	frigid	sandy-skeletal	yes	slate, loamy cap
Merrimac	10	1	2.0	20.0	6.00	20.0	A	Outwash and Stream Terraces	mesic	gravelly sand	no	loamy cap
Quonset	310	1	2.0	20.0	20.00	100.0	A	Outwash and Stream Terraces	mesic	sandy-skeletal	no	shale
Redstone	665	1	2.0	6.0	6.00	20.0	A	Weathered Bedrock Till	frigid	fragmental	yes	loamy cap
Success	154	1	2.0	6.0	6.00	20.0	A	Sandy Till	frigid	sandy-skeletal	yes	cemented
Suncook	2	1	6.0	20.0	6.00	20.0	A	Flood Plain (Bottomland)	mesic	sandy	no	occasionally flooded
Suncook	402	1	6.0	20.0	6.00	20.0	A	Flood Plain (Bottomland)	mesic	sandy	no	frequent flooding
Sunday	102	1	6.0	20.0	6.00	20.0	A	Flood Plain (Bottomland)	frigid	sandy	no	occasionally flooded
Sunday	202	1	6.0	20.0	6.00	20.0	A	Flood Plain (Bottomland)	frigid	sandy	no	frequently flooded
Warwick	210	1	2.0	6.0	20.00	100.0	A	Outwash and Stream Terraces	mesic	loamy-skeletal	no	loamy over slate gravel
Windsor	26	1	6.0	20.0	6.00	20.0	A	Outwash and Stream Terraces	mesic	sandy	no	
Abenaki	501	2	0.6	2.0	6.00	99.0	B	Outwash and Stream Terraces	frigid	loamy over sandy-skeletal	no	loamy over gravelly
Agawam	24	2	6.0	20.0	20.00	100.0	B	Outwash and Stream Terraces	mesic	loamy over sandy	no	loamy over sand/gravel
Allagash	127	2	0.6	2.0	6.00	20.0	B	Outwash and Stream Terraces	frigid	loamy over sandy	yes	loamy over sandy
Bangor	572	2	0.6	2.0	0.60	2.0	B	Friable till, silty, schist & phyllite	frigid	loamy	yes	silt loam
Berkshire	72	2	0.6	6.0	0.60	6.0	B	Loose till, loamy textures	frigid	loamy	yes	fine sandy loam
Bice	226	2	0.6	6.0	0.60	6.0	B	Loose till, loamy textures	frigid	loamy	no	sandy loam
Canton	42	2	2.0	6.0	6.00	20.0	B	Loose till, sandy textures	mesic	loamy over sandy	no	loamy over loamy sand
Charlton	62	2	0.6	6.0	0.60	6.0	B	Loose till, loamy textures	mesic	loamy	no	fine sandy loam
Dutchess	366	2	0.6	2.0	0.60	2.0	B	Friable till, silty, schist & phyllite	mesic	loamy	no	very channery
Fryeburg	208	2	0.6	2.0	2.00	6.0	B	Flood Plain (Bottom Land)	frigid	silty	no	very fine sandy loam
Groveton	27	2	0.6	2.0	0.60	6.0	B	Outwash and Stream Terraces	frigid	loamy	yes	loamy over sandy
Hadley	8	2	0.6	2.0	0.60	6.0	B	Flood Plain (Bottom Land)	mesic	silty	no	strata of fine sand
Hadley	108	2	0.6	2.0	0.60	6.0	B	Flood Plain (Bottom Land)	mesic	silty	no	strata of fine sand, occ flooded
Hartland	31	2	0.6	2.0	0.20	2.0	B	Terraces and glacial lake plains	mesic	silty	no	very fine sandy loam
Haven	410	2	0.6	2.0	20.00	100.0	B	Outwash and Stream Terraces	mesic	loamy over sandy	no	loamy over sand/gravel
Houghtonville	795	2	0.6	6.0	0.60	6.0	B	Loose till, loamy textures	frigid	loamy	yes	cobbly fine sandy loam
Lombard	259	2	0.6	6.0	2.00	20.0	C/D	Weathered bedrock, phyllite	frigid	loamy	no	very channery
Monadnock	142	2	0.6	2.0	2.00	6.0	B	Loose till, sandy textures	frigid	oamy over sandy, sandy-skeleta	yes	gravelly loamy sand in C
Occum	1	2	0.6	2.0	6.00	20.0	B	Flood Plain (Bottom Land)	mesic	loamy	no	loamy over loamy sand
Ondawa	101	2	0.6	6.0	6.00	20.0	B	Flood Plain (Bottom Land)	frigid	loamy	no	loamy over loamy sand
Ondawa	201	2	0.6	6.0	6.00	20.0	B	Flood Plain (Bottom Land)	frigid	loamy	no	occ flood, loamy over l. sand
Salmon	630	2	0.6	2.0	0.60	2.0	B	Terraces and glacial lake plains	frigid	silty	yes	very fine sandy loam
Stetson	523	2	0.6	6.0	6.00	20.0	B	Outwash and Stream Terraces	frigid	sandy-skeletal	yes	loamy over gravelly
Unadilla	30	2	0.6	2.0	2.00	20.0	B	Terraces and glacial lake plains	mesic	silty	no	silty over gravelly
Chichester	442	2	0.6	2.0	2.00	6.0	B	Loose till, sandy textures	frigid	loamy over sandy	no	loamy over loamy sand
Acton	146	3	2.0	20.0	2.00	20.0	B	Loose till, sandy textures	mesic	sandy-skeletal	no	cobbly loamy sand
Becket	56	3	0.6	2.0	0.06	0.6	C	Firm, platy, sandy till	frigid	loamy	yes	gravelly sandy loam in Cd
Belgrade	532	3	0.6	2.0	0.06	2.0	B	Terraces and glacial lake plains	mesic	silty	no	strata of fine sand
Bernardston	330	3	0.6	2.0	0.06	0.2	C	Firm, platy, silty till, schist & phyllite	mesic	loamy	no	channery silt loam in Cd
Boxford	32	3	0.1	0.2	0.00	0.2	C	Silt and Clay Deposits	mesic	fine	no	silty clay loam

Soil Series	number	NHDES Soil Group	Ksat low - B in/hr	Ksat high - B in/hr	Ksat low - C in/hr	Ksat high - C in/hr	Hyd. Grp.	Land Form	Temp.	Soil Textures	Spodosol ?	Other
Buckland	237	3	0.6	2.0	0.06	0.2	C	Firm, platy, loamy till	frigid	loamy	no	loam in Cd
Buxton	232	3	0.1	0.6	0.00	0.2	C	Silt and Clay Deposits	frigid	fine	no	silty clay
Canterbury	166	3	0.6	2.0	0.06	0.6	C	Firm, platy, loamy till	frigid	loamy	no	loam in Cd
Chatfield Var.	289	3	0.6	6.0	0.60	6.0	B	Loose till, bedrock	mesic	loamy	no	mwd to swpd
Chesuncook	126	3	0.6	2.0	0.02	0.2	C	Firm, platy, silty till, schist & phyllite	frigid	loamy	yes	channery silt loam in Cd
Colonel	927	3	0.6	2.0	0.06	0.6	C	Firm, platy, loamy till	frigid	loamy	yes	loam in Cd
Croghan	613	3	20.0	100.0	20.00	100.0	B	Outwash and Stream Terraces	frigid	sandy	yes	single grain in C
Dartmouth	132	3	0.6	2.0	0.06	0.6	B	Terraces and glacial lake plains	mesic	silty	no	thin strata silty clay loam
Deerfield	313	3	6.0	20.0	20.00	100.0	B	Outwash and Stream Terraces	mesic	sandy	no	single grain in C
Dixfield	378	3	0.6	2.0	0.06	0.6	C	Firm, platy, loamy till	frigid	loamy	yes	fine sandy loam in Cd
Dixmont	578	3	0.6	2.0	0.60	2.0	C	Friable till, silty, schist & phyllite	frigid	loamy	yes	silt loam, platy in C
Duane	413	3	6.0	20.0	6.00	20.0	B	Outwash and Stream Terraces	frigid	sandy-skeletal	yes	cemented (ortstein)
Eldridge	38	3	6.0	20.0	0.06	0.6	C	Sandy/loamy over silt/clay	mesic	sandy over loamy	no	
Elmridge	238	3	2.0	6.0	0.00	0.2	C	Sandy/loamy over silt/clay	mesic	loamy over clayey	no	
Elmwood	338	3	2.0	6.0	0.00	0.2	C	Sandy/loamy over silt/clay	frigid	loamy over clayey	no	
Finch	116	3					C	Outwash and Stream Terraces	frigid	sandy	yes	cemented (ortstein)
Gilmanton	478	3	0.6	2.0	0.06	0.6	C	Firm, platy, loamy till	frigid	loamy	no	fine sandy loam in Cd
Henniker	46	3	0.6	2.0	0.06	0.6	C	Firm, platy, sandy till	frigid	loamy	no	loamy sand in Cd
Hitchcock	130	3	0.6	2.0	0.06	0.6	B	Terraces and glacial lake plains	mesic	silty	no	silt loam to silt in C
Howland	566	3	0.6	2.0	0.06	0.2	C	Firm, platy, silty till, schist & phyllite	frigid	loamy	yes	silt loam, platy in Cd
Lanesboro	228	3	0.6	2.0	0.06	0.2	C	Firm, platy, silty till, schist & phyllite	frigid	loamy	no	channery silt loam in Cd
Lovewell	307	3	0.6	2.0	0.60	2.0	B	Flood Plain (Bottom Land)	frigid	silty	no	very fine sandy loam
Machias	520	3	2.0	6.0	6.00	20.0	B	Outwash and Stream Terraces	frigid	sandy or sandy-skeletal	yes	strata sand/gravel in C
Madawaska	28	3	0.6	2.0	6.00	20.0	B	Outwash and Stream Terraces	frigid	loamy over sandy	yes	sandy or sandy-skeletal
Madawaska, aquer	48	3	0.6	2.0	6.00	20.0	B	Outwash and Stream Terraces	frigid	loamy over sandy	yes	sandy or sandy-skeletal
Marlow	76	3	0.6	2.0	0.06	0.6	C	Firm, platy, loamy till	frigid	loamy	yes	fine sandy loam in Cd
Melrose	37	3	2.0	6.0	0.00	0.2	C	Sandy/loamy over silt/clay	frigid	loamy over clayey	no	silty clay loam in C
Metacomet	458	3	0.6	2.0	0.06	0.6	C	Firm, platy, sandy till	frigid	loamy	no	loamy sand in Cd
Metallak	404	3	6.0	100.0	6.00	100.0	B	Flood Plain (Bottom Land)	frigid	loamy over sandy	no	sandy or sandy-skeletal
Millis	39	3					C	Firm, platy, sandy till	frigid	loamy	yes	loamy sand in Cd
Montauk	44	3	0.6	6.0	0.06	0.6	C	Firm, platy, sandy till	mesic	loamy	no	loamy sand in Cd
Mundal	610	3	0.6	2.0	0.06	0.6	C	Firm, platy, loamy till	frigid	loamy	yes	gravelly sandy loam in Cd
Newfields	444	3	0.6	2.0	0.60	2.0	B	Loose till, sandy textures	mesic	loamy over sandy	no	sandy or sandy-skeletal
Nicholville	632	3	0.6	2.0	0.60	2.0	C	Terraces and glacial lake plains	frigid	silty	yes	very fine sandy loam
Ninigret	513	3	0.6	6.0	6.00	20.0	B	Outwash and Stream Terraces	mesic	loamy over sandy	no	sandy or sandy-skeletal
Paxton	66	3	0.6	2.0	0.00	0.2	C	Firm, platy, loamy till	mesic	loamy	no	
Peru	78	3	0.6	2.0	0.06	0.6	C	Firm, platy, loamy till	frigid	loamy	yes	
Pittstown	334	3	0.6	2.0	0.06	0.2	C	Firm, platy, silty till, schist & phyllite	mesic	loamy	no	channery silt loam in Cd
Plaisted	563	3	0.6	2.0	0.06	0.6	C	Firm, platy, silty till, schist & phyllite	frigid	loamy	yes	channery silt loam in Cd
Podunk	104	3	0.6	6.0	6.00	20.0	B	Flood Plain (Bottom Land)	frigid	loamy	no	loamy to coarse sand in C
Poocham	230	3	0.6	2.0	0.20	2.0	B	Terraces and glacial lake plains	mesic	silty	no	silt loam in C
Pootatuck	4	3	0.6	6.0	6.00	20.0	B	Flood Plain (Bottom Land)	mesic	loamy	no	single grain in C
Scio	531	3	0.6	2.0	0.60	2.0	B	Terraces and glacial lake plains	mesic	silty	no	gravelly sand in 2C
Scituate	448	3	0.6	2.0	0.06	0.2	C	Firm, platy, sandy till	mesic	loamy	no	loamy sand in Cd
Sheepscot	14	3	6.0	20.0	6.00	20.0	B	Outwash and Stream Terraces	frigid	sandy-skeletal	yes	gravelly coarse sand
Sisk	667	3	0.6	2.0	0.00	0.6	C	Firm, platy, loamy till	cryic	loamy	yes	sandy loam in Cd
Skerry	558	3	0.6	2.0	0.06	0.6	C	Firm, platy, sandy till	frigid	loamy	yes	loamy sand in Cd
Sudbury	118	3	2.0	6.0	2.00	20.0	B	Outwash and Stream Terraces	mesic	sandy	no	loam over gravelly sand
Suffield	536	3	0.6	2.0	0.00	0.2	C	Sandy/loamy over silt/clay	mesic	silty over clayey	no	deep to clay C
Sunapee	168	3	0.6	2.0	0.60	6.0	B	Loose till, loamy textures	frigid	loamy	yes	
Sunapee var	269	3	0.6	2.0	0.60	6.0	B	Loose till, loamy textures	frigid	loamy	yes	frigid dystrudept
Surplus	669	3	0.6	2.0	0.00	0.6	C	Firm, platy, loamy till	cryic	loamy	yes	mwd, sandy loam in Cd
Sutton	68	3	0.6	6.0	0.60	6.0	B	Loose till, loamy textures	mesic	loamy	no	
Telos	123	3	0.6	2.0	0.02	0.2	C	Firm, platy, silty till, schist & phyllite	frigid	loamy	yes	channery silt loam in Cd

Soil Series	number	NHDES Soil Group	Ksat low - B in/hr	Ksat high - B in/hr	Ksat low - C in/hr	Ksat high - C in/hr	Hyd. Grp.	Land Form	Temp.	Soil Textures	Spodosol ?	Other
Waumbeck	58	3	2.0	20.0	6.00	20.0	B	Loose till, sandy textures	frigid	sandy-skeletal	yes	very cobbly loamy sand
Winooski	103	3	0.6	6.0	0.60	6.0	B	Flood Plain (Bottom Land)	mesic	silty	no	very fine sandy loam
Woodbridge	29	3	0.6	2.0	0.00	0.6	C	Firm, platy, loamy till	mesic	loamy	no	sandy loam in Cd
Winooski	9	3	0.6	6.0	0.60	6.0	B	Flood Plain (Bottom Land)	mesic	silty over loamy	no	
Canaan	663	4	2.0	20.0	2.00	20.0	C	Weathered Bedrock Till	frigid	loamy-skeletal	yes	less than 20 in. deep
Cardigan	357	4	0.6	2.0	0.60	2.0	B	Friable till, silty, schist & phyllite	mesic	loamy	no	20 to 40 in. deep
Chatfield	89	4	0.6	6.0	0.60	6.0	B	Loose till, bedrock	mesic	loamy	no	20 to 40 in. deep
Elliottsville	128	4	0.6	2.0	0.60	2.0	B	Friable till, silty, schist & phyllite	frigid	loamy	yes	20 to 40 in. deep
Glebe	671	4	2.0	6.0	2.00	6.0	C	Loose till, bedrock	cryic	loamy	yes	20 to 40 in. deep
Glover	NA	4	0.6	2.0	0.60	2	D	Friable till, silty, schist & phyllite	frigid	loamy	no	less than 20 in. deep
Hogback	91	4	2.0	6.0	2.00	6.0	C	Loose till, bedrock	frigid	loamy	yes	less than 20 in. deep
Hollis	86	4	0.6	6.0	0.60	6.0	C/D	Loose till, bedrock	mesic	loamy	no	less than 20 in. deep
Kearsarge	359	4	0.6	2.0	0.60	2.0	B	Friable till, silty, schist & phyllite	mesic	loamy	no	less than 20 in. deep
Lyman	92	4	2.0	6.0	2.00	6.0	A/D	Loose till, bedrock	frigid	loamy	yes	less than 20 in. deep
Macomber	252	4	0.6	2.0	0.60	2.0	C	Friable till, silty, schist & phyllite	frigid	loamy-skeletal	yes	20 to 40 in. deep
Millsite	251	4	0.6	6.0	0.60	6.0	C	Loose till, bedrock	frigid	loamy	no	20 to 40 in. deep
Monson	133	4	0.6	2.0	0.60	2.0	D	Friable till, silty, schist & phyllite	frigid	loamy	yes	less than 20 in. deep
Pennichuck	460	4	0.6	2.0	0.60	2.0	B	Friable till, silty, schist & phyllite	mesic	loamy-skeletal	no	20 to 40 in. deep
Rawsonville	98	4	0.6	6.0	0.60	6.0	C	Loose till, bedrock	frigid	loamy	yes	20 to 40 in. deep
Ricker	674	4	2.0	6.0	2.00	6.0	A	rganic over bedrock (up to 4" of minera	cryic	fibric to hemic	no	well drained, less than 20 in. deep
Saddleback	673	4	0.6	2.0	0.60	2.0	C/D	Loose till, bedrock	cryic	loamy	yes	less than 20 in. deep
Shapleigh	136	4					C/D	Sandy Till	mesic	sandy	yes	less than 20 in. deep
Thorndike	84	4	0.6	2.0	0.60	2.0	C/D	Friable till, silty, schist & phyllite	frigid	loamy-skeletal	yes	less than 20 in. deep
Tunbridge	99	4	0.6	6.0	0.60	6.0	C	Loose till, bedrock	frigid	loamy	yes	20 to 40 in. deep
Winnecook	88	4	0.6	2.0	0.60	2.0	C	Friable till, silty, schist & phyllite	frigid	loamy-skeletal	yes	20 to 40 in. deep
Woodstock	93	4	2.0	6.0	2.00	6.0	C/D	Loose till, bedrock	frigid	loamy	no	less than 20 in. deep
Au Gres	516	5					B	Outwash and Stream Terraces	frigid	sandy	yes	single grain, loose
Bemis	224	5	0.6	0.2	0.00	0.2	C	Firm, platy, loamy till	cryic	loamy	no	
Binghamville	534	5	0.2	2.0	0.06	0.2	D	Terraces and glacial lake plains	mesic	silty	no	
Brayton	240	5	0.6	2.0	0.06	0.6	C	Firm, platy, silty till, schist & phyllite	frigid	loamy	no	
Cabot	589	5	0.6	2.0	0.06	0.2	D	Firm, platy, silty till, schist & phyllite	frigid	loamy	no	
Charles	209	5	0.6	100.0	0.60	100.0	C	Flood Plain (Bottom Land)	frigid	silty	no	
Cohas	505	5	0.6	2.0	0.60	100.0	C	Flood Plain (Bottom Land)	frigid	co. loamy over sandy (skeletal)	no	
Grange	433	5	0.6	2.0	0.60	2.0	C	Outwash and Stream Terraces	frigid	co. loamy over sandy (skeletal)	no	
Kinsman	614	5	6.0	20.0	6.00	20.0	C	Outwash and Stream Terraces	frigid	sandy	yes	
Leicester	514	5	0.6	6.0	0.60	20.0	C	Loose till, loamy textures	mesic	loamy	no	
Lim	3	5	0.6	2.0	6.00	20.0	C	Flood Plain (Bottom Land)	mesic	loamy	no	
Limerick	109	5	0.6	2.0	0.60	2.0	C	Flood Plain (Bottom Land)	mesic	silty	no	
Lyme	246	5	0.6	6.0	0.60	6.0	C	Loose till, sandy textures	frigid	loamy	no	
Mashpee	315	5	6.0	20.0	6.00	20.0	B	Outwash and Stream Terraces	mesic	sandy	yes	
Monarda	569	5	0.2	2.0	0.02	0.2	D	Firm, platy, silty till, schist & phyllite	frigid	loamy	no	
Moosilauke	414	5	6.0	20.0	6.00	20.0	C	Loose till, sandy textures	frigid	sandy	no	
Naumburg	214	5	6.0	20.0	6.00	20.0	C	Outwash and Stream Terraces	frigid	sandy	yes	
Pemi	633	5	0.6	2.0	0.06	0.6	C	Terraces and glacial lake plains	frigid	silty	no	
Pillsbury	646	5	0.6	2.0	0.06	0.2	C	Firm, platy, loamy till	frigid	silty	no	
Pipestone	314	5					B	Outwash and Stream Terraces	mesic	sandy	yes	
Raynham	533	5	0.2	2.0	0.06	0.2	C	Terraces and glacial lake plains	mesic	silty	no	
Raypol	540	5	0.6	2.0	6.00	100.0	D	Outwash and Stream Terraces	mesic	co. loamy over sandy (skeletal)	no	
Ridgebury	656	5	0.6	6.0	0.00	0.2	C	Firm, platy, loamy till	mesic	loamy	no	
Rippowam	5	5	0.6	6.0	6.00	20.0	C	Flood Plain (Bottom Land)	mesic	loamy	no	
Roundabout	333	5	0.2	2.0	0.06	0.6	C	Terraces and glacial lake plains	frigid	silty	no	silt loam in the C
Rumney	105	5	0.6	6.0	6.00	20.0	C	Flood Plain (Bottom Land)	frigid	loamy	no	

Soil Series	number	NHDES Soil Group	Ksat low - B in/hr	Ksat high - B in/hr	Ksat low - C in/hr	Ksat high - C in/hr	Hyd. Grp.	Land Form	Temp.	Soil Textures	Spodosol ?	Other
Saugatuck	16	5	0.06	0.2	6.00	20.0	C	Outwash and Stream Terraces	mesic	sandy	yes	ortstein
Scantic	233	5	0.0	0.2	0.00	0.2	D	Silt and Clay Deposits	frigid	fine	no	
Scitico	33	5	0.0	0.2	0.00	0.2	C	Silt and Clay Deposits	mesic	fine	no	
Shaker	439	5	2.0	6.0	0.00	0.2	C	Sandy/loamy over silt/clay	mesic	co. loamy over clayey	no	
Squamscott	538	5	6.0	20.0	0.06	0.6	C	Sandy/loamy over silt/clay	mesic	sandy over loamy	yes	
Stissing	340	5	0.6	2.0	0.06	0.2	C	Firm, platy, silty till, schist & phyllite	mesic	loamy	no	
Swanton	438	5	2.0	6.0	0.00	0.2	C	Sandy/loamy over silt/clay	frigid	co. loamy over clayey	no	
Walpole	546	5	2.0	6.0	6.00	20.0	C	Outwash and Stream Terraces	mesic	sandy	no	
Wareham	34	5	6.0	20.0	6.00	20.0	C	Outwash and Stream Terraces	mesic	sandy	no	
Biddeford	234	6	0.0	0.2	0.00	0.2	D	Silt and Clay Deposits	frigid	fine	no	organic over clay
Bucksport	895	6					D	Organic Materials - Freshwater	frigid	sapric	no	deep organic
Burnham	131	6	0.2	6.0	0.02	0.2	D	Firm, platy, silty till, schist & phylitte	frigid	loamy	no	organic over silt
Catden	296	6					A/D	Organic Materials - Freshwater	mesic	sapric	no	deep organic
Chocorua	395	6			6.00	20.0	D	Organic Materials - Freshwater	frigid	sandy or sandy-skeletal	no	organic over sand
Greenwood	295	6					A/D	Organic Materials - Freshwater	frigid	hemic	no	deep organic
Ipswich	397	6					D	Tidal Flat	mesic	hemic/sapric	no	deep organic
Matunuck	797	6			20.00	100.0	D	Tidal Flat	mesic	sandy	no	organic over sand
Maybid	134	6	0.0	0.2	0.00	0.2	D	Silt and Clay Deposits	mesic	fine	no	silt over clay
Meadowsedge	894	6					D	Organic Materials - Freshwater	frigid	peat	no	deep organic
Medomak	406	6	0.6	2.0	0.60	2.0	D	Flood Plain (Bottom Land)	frigid	silty	no	organic over silt
Natchaug	496	6			0.20	2.0	D	Organic Materials - Freshwater	mesic	loamy	no	organic over loam
Ossipee	495	6			0.20	2.0	D	Organic Materials - Freshwater	frigid	loamy	no	organic over loam
Pawcatuck	497	6			20.00	100.0	D	Tidal Flat	mesic	sandy or sandy-skeletal	no	organic over sand
Peacham	549	6	0.6	2.0	0.00	0.2	D	Firm, platy, silty till, schist & phylitte	frigid	loamy	no	organic over loam
Pondicherry	992	6			6.00	20.0	D	Organic Materials - Freshwater	frigid	sandy or sandy-skeletal	no	organic over sand
Saco	6	6	0.6	2.0	6.00	20.0	D	Flood Plain (Bottom Land)	mesic	silty	no	strata
Scarboro	115	6	6.0	20.0	6.00	20.0	D	Outwash and Stream Terraces	mesic	sandy	no	organic over sand, non stony
Searsport	15	6	6.0	20.0	6.00	20.0	D	Outwash and Stream Terraces	frigid	sandy	no	organic over sand
Timakwa	393	6			6.00	100.0	D	Organic Materials - Freshwater	mesic	sandy or sandy-skeletal	no	organic over sand
Vassalboro	150	6					D	Organic Materials - Freshwater	frigid	peat	no	deep organic
Waskish	195	6					D	Organic Materials - Freshwater	frigid	peat	no	deep organic
Westbrook	597	6			0.00	2.0	D	Tidal Flat	mesic	loamy	no	organic over loam
Whitman	49	6	0.0	0.2	0.00	0.2	D	Firm, platy, loamy till	mesic	loamy	no	mucky loam
Wonsqueak	995	6			0.20	2.0	D	Organic Materials - Freshwater	frigid	loamy	no	organic over loam

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Filtrexx® Sediment Control

Sediment & Perimeter Control Technology

PURPOSE & DESCRIPTION

Filtrexx® Sediment control is a three-dimensional tubular sediment control and storm water runoff filtration device typically used for **perimeter control** of sediment and other soluble pollutants (such as phosphorus and petroleum hydrocarbons), on and around construction activities.

APPLICATION

Filtrexx® Sediment control is to be installed down slope of any disturbed area requiring erosion and sediment control and filtration of soluble pollutants from runoff. Sediment control is effective when installed perpendicular to sheet or low concentrated flow. Acceptable applications include:

- Site perimeters
- Above and below disturbed areas subject to sheet runoff, interrill and rill erosion
- Above and below exposed and erodable slopes
- Around area drains or inlets located in a 'sump'
- On compacted soils where trenching of silt fence is difficult or impossible
- Around sensitive trees where trenching of silt fence is not beneficial for tree survival or may unnecessarily disturb established vegetation.
- On frozen ground where trenching of silt fence is impossible.
- On paved surfaces where trenching of silt fence is impossible.

INSTALLATION

1. Sediment control used for perimeter control of sediment and soluble pollutants in storm runoff shall meet Filtrexx® Soxx™ Material Specifications and use Certified Filtrexx® FilterMedia™.
2. Contractor is required to be Filtrexx® Certified™, or use pre-filled Filtrexx® Sediment control products manufactured by a Filtrexx® Certified Manufacturer™ as determined by Filtrexx® International, LLC (440-926-2607 or visit www.filtrexx.com). Certification shall be considered current if appropriate identification is shown during time of bid or at time of application. Look for the Filtrexx® Certified™ Seal.
3. Sediment control will be placed at locations indicated on plans as directed by the Engineer.
4. Sediment control should be installed parallel to the base of the slope or other disturbed area. In extreme conditions (i.e., 2:1 slopes), a second Sediment control shall be constructed at the top of the slope.
5. Effective Soxx™ height in the field should be as follows: 8" Diameter Sediment control = 6.5" high, 12" Diameter Sediment control = 9.5" high, 18" Diameter SiltSoxx™ = 14.5" high, 24" Diameter Sediment control = 19" high.
6. Stakes shall be installed through the middle of the Sediment control on 10 ft (3m) centers, using 2 in (50mm) by 2 in (50mm) by 3 ft (1m) hard wood stakes. In the event staking is not possible, i.e., when Sediment control is used on pavement, heavy concrete blocks shall be used behind the Sediment control to help stabilize during rainfall/runoff events.
7. Staking depth for sand and silt loam soils shall be 12 in (300mm), and 8 in (200mm) for clay soils.
8. Loose compost may be backfilled along the upslope side of the Sediment control, filling the seam between the soil surface and the device, improving filtration and sediment retention.
9. If the Sediment control is to be left as a permanent filter or part of the natural landscape, it may be seeded at time of installation for

establishment of permanent vegetation. The Engineer will specify seed requirements.

10. Filtrexx® Sediment control is not to be used in perennial, ephemeral, or intermittent streams.

See design drawing schematic for correct Filtrexx® Sediment control installation (Figure 1.1).

INSPECTION AND MAINTENANCE

Routine inspection should be conducted within 24 hrs of a runoff event or as designated by the regulating authority. Sediment control should be regularly inspected to make sure they maintain their shape and are producing adequate hydraulic flow-through. If ponding becomes excessive, additional Sediment control may be required to reduce effective slope length or sediment removal may be necessary. Sediment control shall be inspected until area above has been permanently stabilized and construction activity has ceased

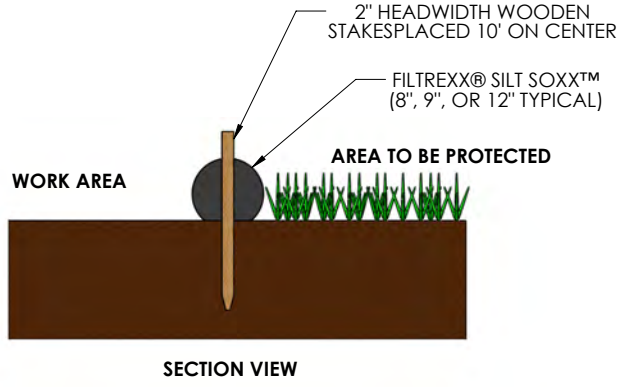
1. The Contractor shall maintain the Sediment control in a functional condition at all times and it shall be routinely inspected.
2. If the Sediment control has been damaged, it shall be repaired, or replaced if beyond repair.
3. The Contractor shall remove sediment at the base of the upslope side of the Sediment control when accumulation has reached 1/2 of the effective height of the Sediment control, or as directed by the Engineer. Alternatively, a new Sediment control can be placed on top of and slightly behind the original one creating more sediment storage capacity without soil disturbance.
4. Sediment control shall be maintained until disturbed area above the device has been permanently stabilized and construction activity has ceased.
5. The FilterMedia™ will be dispersed on site once disturbed area has been permanently stabilized, construction activity has ceased, or as determined by the Engineer.
6. For long-term sediment and pollution control applications, Sediment control can be seeded at the time of installation to create a vegetative filtering system for prolonged and increased filtration of sediment and soluble pollutants (contained vegetative filter strip). The appropriate seed mix shall be determined by the Engineer.

Slope Percent	Maximum Slope Length Above Sediment Control in Feet (meters)*				
	8 in (200 mm) Sediment control	12 in (300 mm) Sediment control	18 in (450 mm) Sediment control	24 in (600mm) Sediment control	32 in (800mm) Sediment control
	6.5 in (160 mm)**	9.5 in (240 mm) **	14.5 in (360 mm) **	19 in (480 mm) **	26 in (650 mm) **
2 (or less)	600 (180)	750 (225)	1000 (300)	1300 (400)	1650 (500)
5	400 (120)	500 (150)	550 (165)	650 (200)	750 (225)
10	200 (60)	250 (75)	300 (90)	400 (120)	500 (150)
15	140 (40)	170 (50)	200 (60)	325 (100)	450 (140)
20	100 (30)	125 (38)	140 (42)	260 (80)	400 (120)
25	80 (24)	100 (30)	110 (33)	200 (60)	275 (85)
30	60 (18)	75 (23)	90 (27)	130 (40)	200 (60)
35	60 (18)	75 (23)	80 (24)	115 (35)	150 (45)
40	60 (18)	75 (23)	80 (24)	100 (30)	125 (38)
45	40 (12)	50 (15)	60 (18)	80 (24)	100 (30)
50	40 (12)	50 (15)	55 (17)	65 (20)	75 (23)

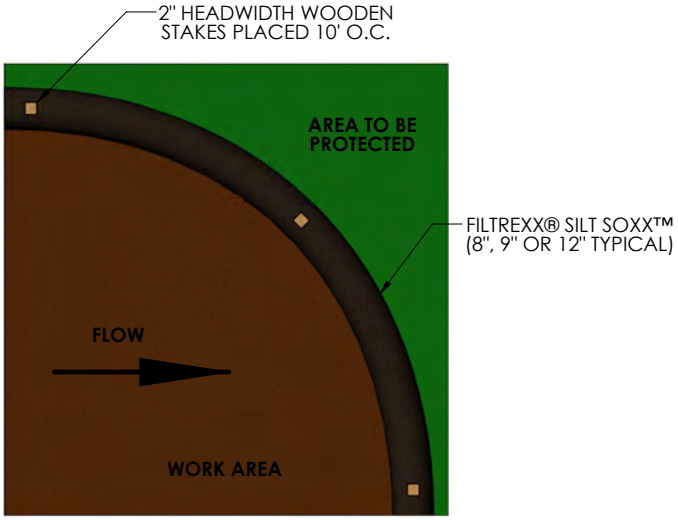
* Based on a failure point of 36 in (0.9 m) super silt fence (wire reinforced) at 1000 ft (303 m) of slope, watershed width equivalent to receiving length of sediment control device, 1 in/ 24 hr (25 mm/24 hr) rain event.

** Effective height of Sediment control after installation and with constant head from runoff as determined by Ohio State University.

FILTREXX® SILT SOXX™

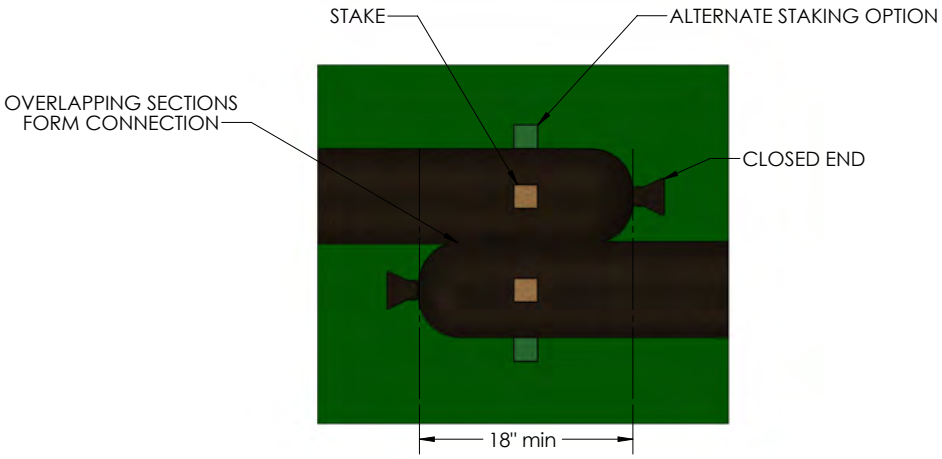


SECTION VIEW

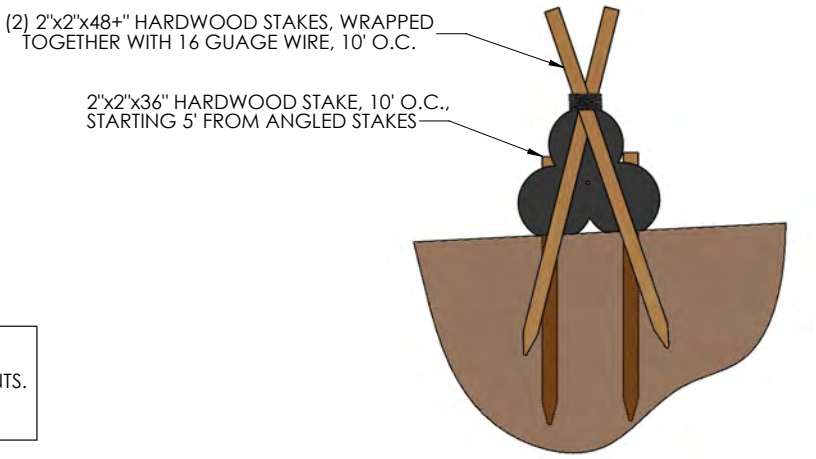


TOP VIEW

COMPOST SOCK CONNECTION/ATTACHMENT DETAIL



FILTREXX® PYRAMID STAKING DETAIL



NOTES:
1. ALL MATERIAL TO MEET FILTREXX® SPECIFICATIONS.
2. SILT SOXX™ FILL TO MEET APPLICATION REQUIREMENTS.
3. COMPOST MATERIAL TO BE DISPERSED ON SITE, AS DETERMINED BY ENGINEER.

SWPPP Cut Sheet:

Filtrexx® Inlet Protection

Sediment & Perimeter Control Technology

PURPOSE & DESCRIPTION

Filtrexx® Inlet protection is a three-dimensional tubular sediment control and storm water runoff filtration device typically used for storm drain **inlet protection** of sediment and soluble pollutants (such as phosphorus and petroleum hydrocarbons) on and around construction activities.

APPLICATION

Drain inlets are located in areas that receive runoff from surrounding lands, often exposed and disturbed soils, and are located at a low point, or in a sump. Inlet protection used around drain inlets (or *Drain* Inlet protection) should completely enclose the circumference of the drain and where possible should not be placed on a grade or slope. Inlet protection used around drain inlets should never be the only form of site sediment control and should be accompanied by erosion control/slope stabilization practices, such as Slope protection or rolled erosion control blankets (RECB). Inlet protection should never be placed where they divert runoff flow from the drain inlet, or on top of the inlet, which can cause flooding. Under high runoff and sediment loading conditions placement of 1-2 in (25-50 mm) diameter rock (AASHTO #2) may be placed around the outer circumference of the Inlet protection up to ½ the height of the Inlet protection. This will slow runoff velocity as it contacts the Inlet protection and will reduce sediment build-up and clogging of the Inlet protection.

Curb inlets are generally located on paved surfaces and are designed to rapidly drain storm runoff from roadways to prevent flooding that poses a hazard to vehicular traffic. Inlet protection devices should be placed in a manner which intercepts runoff prior to entering the inlet, but does not block or divert runoff from the inlet. To prevent diversion of runoff, Inlet protection used around curbs (or *Curb* Inlet protection) should be used in low points, or sumps, and minor slopes or grades. Inlet protection should never be placed in or on the curb inlet drain, or placed in a manner than obstructs vehicular traffic. Inlet protection height should be at least 1 in (25 mm) lower than top of curb inlet to allow for overflow into the drain and not over the curb. Maximum sediment removal efficiency occurs when minor ponding exists behind Inlet protection but should never lead to flooding.

Curb sediment containment systems are used to reduce the sediment and pollutant load flowing to a curb inlet. They are generally placed on paved surfaces perpendicular to runoff flow and should be lower than the height of the curb. Curb sediment containment systems should never cause flooding or placed where they are a hazard to vehicular traffic. Inlet protection used for curb sediment containment (or *Curb Sediment Containment* Inlet protection) can be placed on a grade but should never be placed directly upslope from curb inlet where it may inadvertently divert runoff from entering curb inlet.

INSTALLATION

1. Inlet protection used for inlet protection to reduce sediment and soluble pollutants entering storm drains shall meet Filtrexx® FilterSoxx™ Material Specifications and use Certified Filtrexx® FilterMedia™.
2. Contractor is required to be a Filtrexx® Certified™ Installer as determined by Filtrexx® International, LLC (440-926-2607 or visit web site at Filtrexx.com). Certification shall be considered current if appropriate identification is shown during time of bid or at time of application (current list of installers can be found at www.filtrexx.com). Look for the Filtrexx® Certified™ Installer Seal.

3. Filtrexx® Inlet protection shall be placed at locations indicated on plans as directed by the Engineer. Inlet protection should be installed in a pattern that allows complete protection of the inlet area.
4. Installation of curb Inlet protection will ensure a minimal overlap of at least 1 ft (300mm) on either side of the opening being protected. The Inlet protection will be anchored to the soil behind the curb using staples, stakes or other devices capable of holding the Inlet protection in place.
5. Standard Inlet protection for curb inlet protection and curb sediment containment will use 8 in (200mm) diameter Inlet protection, and drain inlets on soil will use 12 in (300mm) or 18 in (450mm) diameter Inlet protection. In severe flow situations, larger Inlet protection may be specified by the Engineer. During curb installation, Inlet protection shall be compacted to be slightly shorter than curb height.
6. If Inlet protection becomes clogged with debris and sediment, they shall be maintained so as to assure proper drainage and water flow into the storm drain. In severe storm events, overflow of the Inlet protection may be acceptable in order to keep the area from flooding.
7. Curb and drain Inlet protection shall be positioned so as to provide a permeable physical barrier to the drain itself, allowing sediment to collect on the outside of the Inlet protection.
8. For drains and inlets that have only curb cuts, without street grates, a spacer is required in order to keep the Inlet protection away from the drain opening. This spacer should be a hog wire screen bent to overlap the grate opening and keep the sock from falling into the opening. Use at least one spacer for every 4 ft (1.2m) of curb drain opening. The wire grid also prevents other floatable waste from passing over the Inlet protection.
9. Stakes shall be installed through the middle of the drain Inlet protection on 5 ft (1.5m) centers, using 2 in (50mm) x 2 in (50mm) x 3 ft (1m) wood stakes.
10. Staking depth for sand and silt loam soils shall be 12 in (300mm), and 8 in (200mm) for clay soils.

INSPECTION AND MAINTENANCE

Routine inspection should be conducted within 24 hrs of a runoff event or as designated by the regulating authority. Inlet protection should be regularly inspected to make sure they maintain their shape and are producing adequate hydraulic flow-through. If ponding becomes excessive, additional Inlet protection may be required or sediment removal may be necessary. Inlet protection shall be inspected until contributing drainage area has been permanently stabilized and construction activity has ceased

1. The Contractor shall maintain the Inlet protection in a functional condition at all times and it shall be routinely inspected.
2. If the Inlet protection has been damaged, it shall be repaired, or replaced if beyond repair.
3. The Contractor shall remove sediment at the base of the upslope side of the Inlet protection when accumulation has reached 1/2 of the effective height of the Inlet protection, or as directed by the Engineer. Alternatively, for drain Inlet protection a new Soxx™ may be placed on top of the original increasing the sediment storage capacity without soil disturbance.
4. Inlet protection shall be maintained until disturbed area above or around the device has been permanently stabilized and construction activity has ceased.
5. Regular maintenance includes lifting the Inlet protection and cleaning around and under them as sediment collects.
6. The FilterMedia™ will be removed from paved areas or dispersed on site soil or behind curb once disturbed area has been permanently stabilized, construction activity has ceased, or as determined by the Engineer.

Table 2.4 Spacing for Curb Sediment Containment Systems.

Grade (%)	Spacing (ft)	Spacing (mm)
0.5	100	30
1.0	50	15
2.0	25	8
3.0	16	5
4.0	13	4
5.0	10	3

Source: Fifield, 2001.

Figure 2.1. Engineering Design Drawing for Curb and Drain Inlet Protection

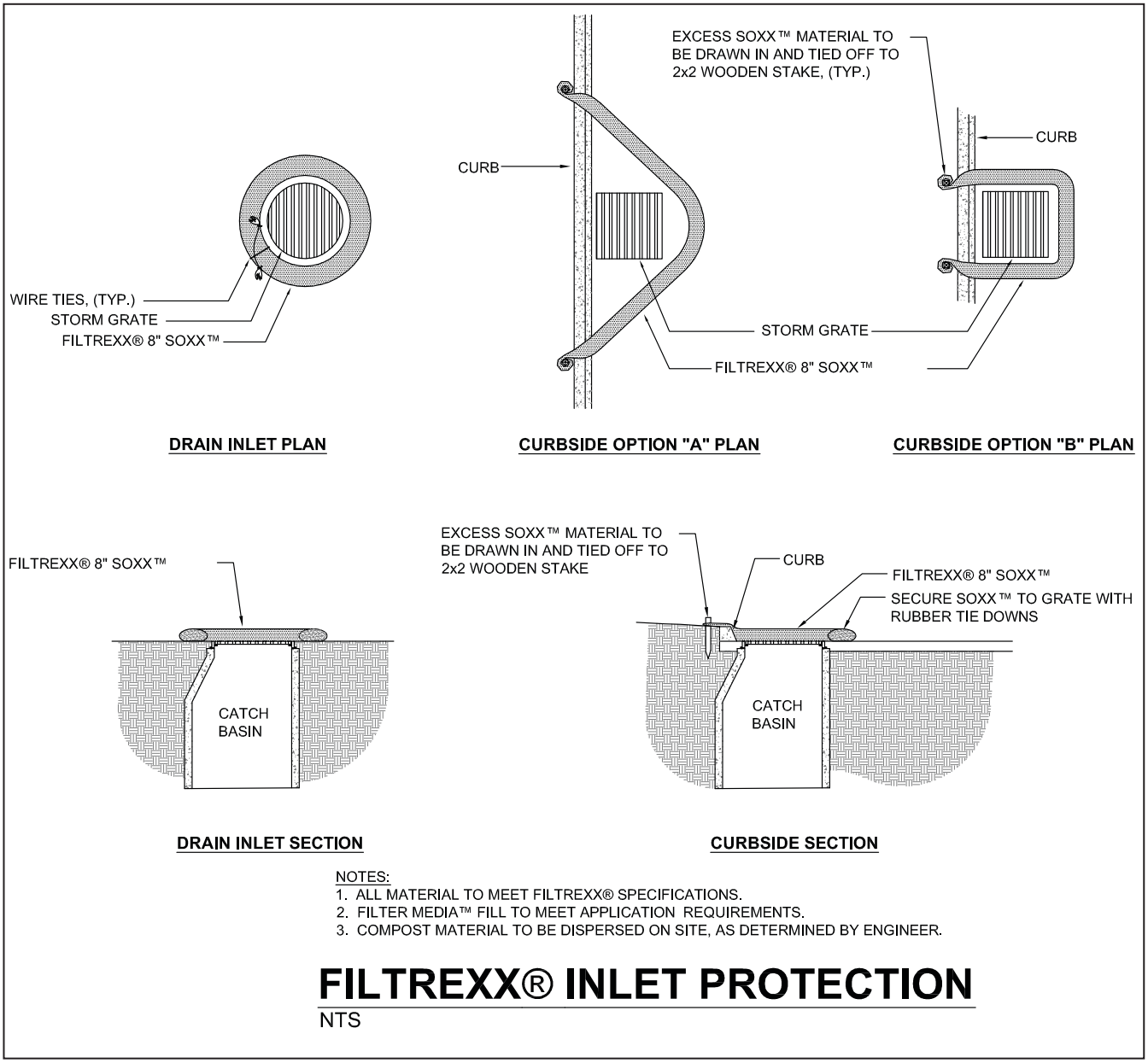
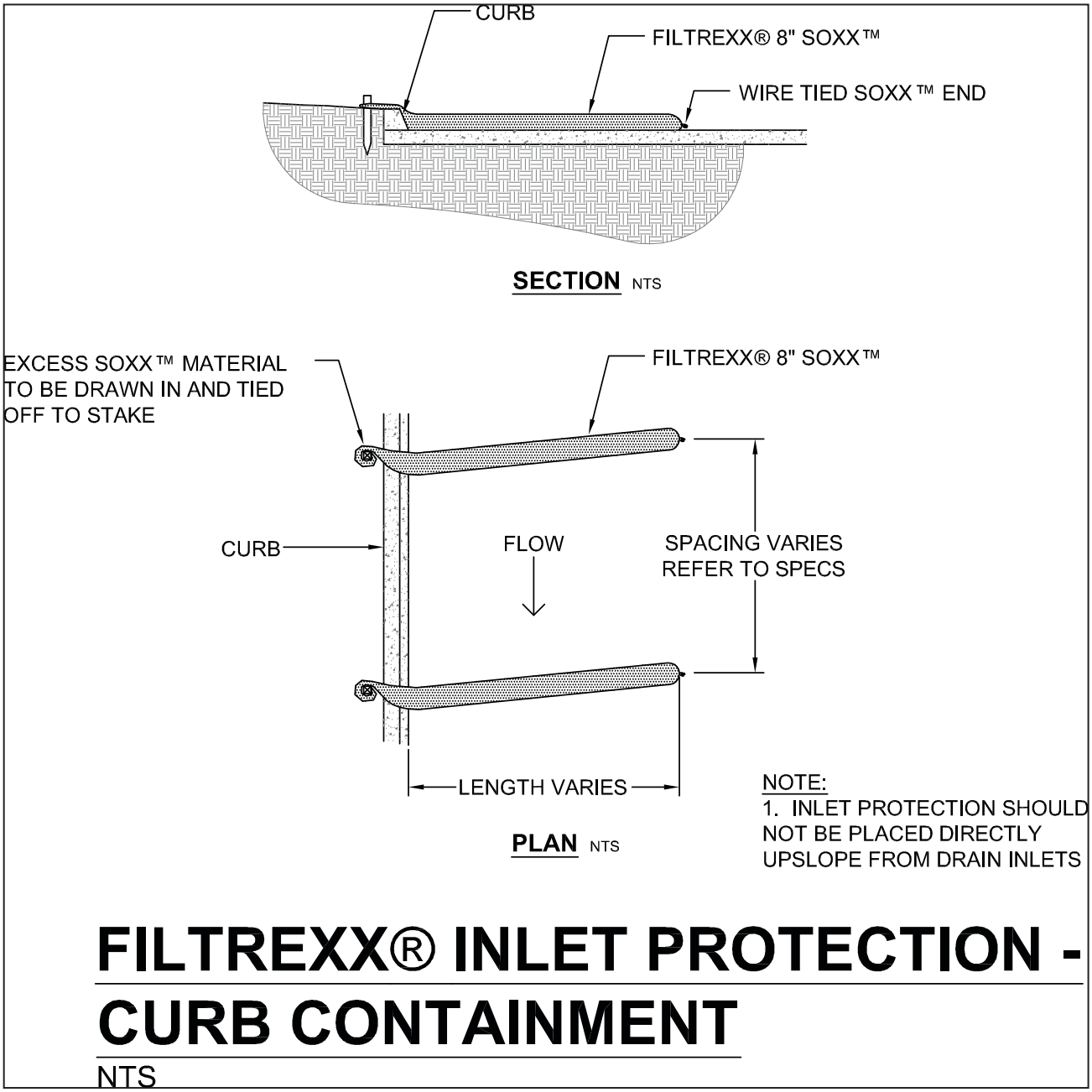
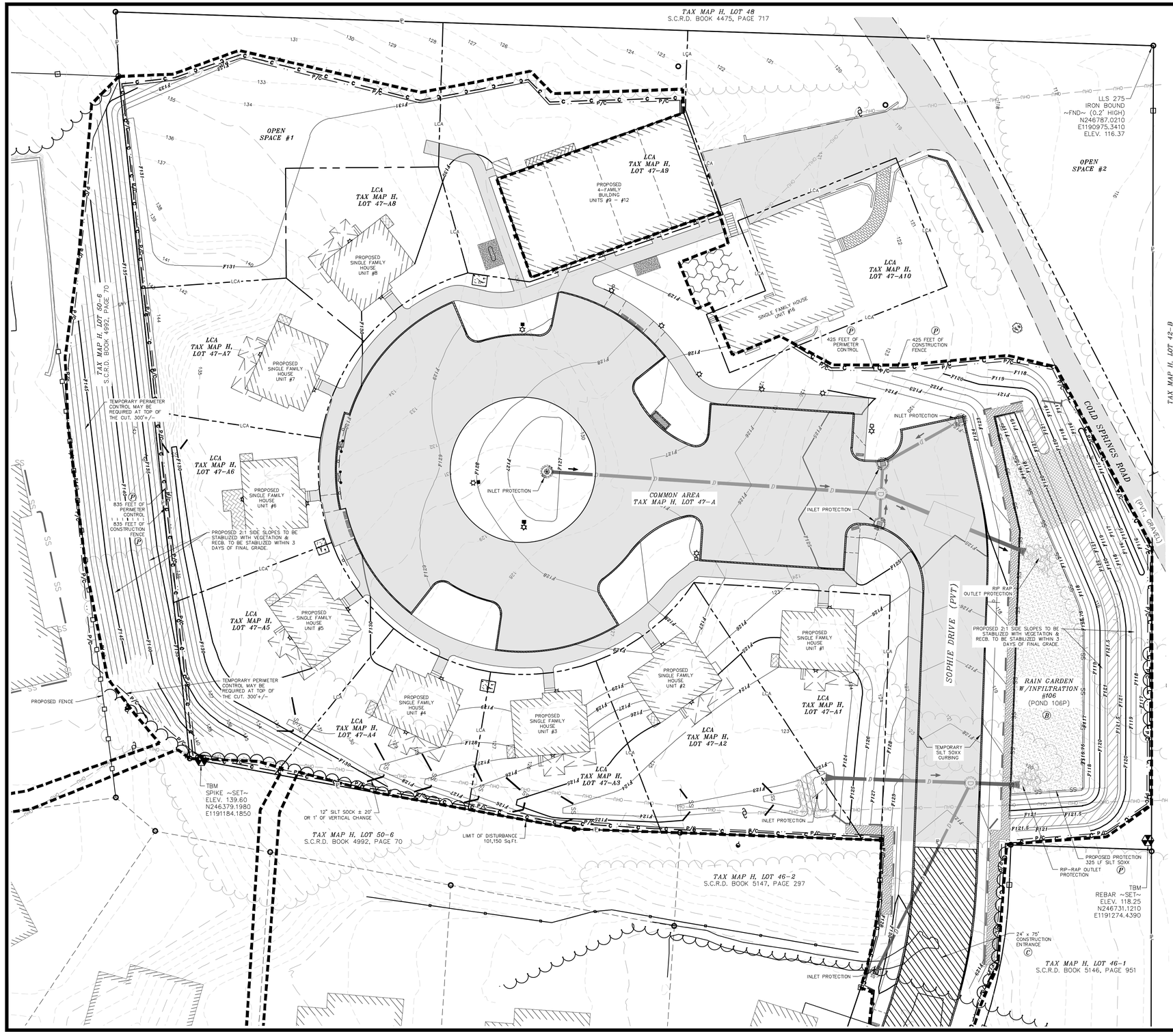


Figure 2.2. Engineering Design Drawing for Curb Sediment Containment Inlet Protection





NOTES:

1.) OWNER: 5 SHERMAN STREET LLC
242 CENTRAL AVE
DOVER, NH 03820

APPLICANT: KNOX MARSH DEVELOPMENT LLC
242 CENTRAL AVE
DOVER, NH 03820

2.) TAX MAP H, LOT 47-A

3.) S.C.R.D. BOOK 5190, PAGE 597

4.) LOT AREA: 117,854 Sq. Ft., 2.71 Ac.

5.) THE INTENT OF THIS PLAN IS SHOW THE PROPOSED EROSION AND SEDIMENT CONTROL MEASURES.

6.) CONTRACTOR IS TO INSTALL A CONSTRUCTION ENTRANCE PRIOR TO EARTH DISTURBING ACTIVITIES.

7.) CONTRACTOR IS RESPONSIBLE FOR SWEEPING THE PARKING LOT, SIDEWALKS AND ANYTHING DISTURBED, TO ENSURE THAT NO SEDIMENT IS BEING TRACKED ONTO SOPHIE DRIVE.

8.) CONTRACTOR IS RESPONSIBLE FOR CLEANING AND MAINTAINING THE INLET PROTECTION ONCE INSTALLED.

9.) FUGITIVE DUST IS TO BE CONTROLLED THROUGHOUT THE CONSTRUCTION PROCESS IN ACCORDANCE WITH ENV-A 1000.

10.) CONTRACTOR IS TO MEET THE REQUIREMENTS SPECIFIED IN RSA 430:51-57 AND AGR 3800, RELATING TO INVASIVE SPECIES.

11.) CONTRACTOR IS RESPONSIBLE FOR PROTECTING THE WATER QUALITY FROM ANY RUNOFF DURING THE CONSTRUCTION PROCESS, IN ACCORDANCE WITH ENV-WQ 1507, IN ORDER TO PREVENT VIOLATIONS OF THE STORM WATER QUALITY STANDARDS.

12.) CATCH BASIN RIM IS TO BE RAISED WITH FINAL GRADE SO THAT STORMWATER RUNOFF CAN DRAIN PROPERLY THROUGHOUT CONSTRUCTION.

LEGEND:

- IRON BOUND ~FND~
- GRANITE BOUND ~FND~
- IRON PIPE ~FND~
- EXISTING/PROPOSED CATCH BASIN W/ STRUCTURE
- PROPOSED STORMWATER BMP OUTLET STRUCTURE
- TEMPORARY BENCHMARK (T.B.M.)
- E101 / E6 — DETAIL SHEET / DETAIL
- CONTOUR MINOR, EXISTING
- CONTOUR MAJOR, EXISTING
- CONTOUR MINOR, PROPOSED
- CONTOUR MAJOR, PROPOSED
- CENTER LINE
- EXISTING DRAINAGE LINE
- PROPOSED DRAINAGE LINE
- RIP RAP
- STORMWATER BEST MANAGEMENT PRACTICE (BMP)
- BERM
- RETAINING WALL
- SILT FENCE / EROSION MIX BERM
- FILTREXX 8" - 12" SILT SOXX AS SPECIFIED
- ORANGE CONSTRUCTION PERIMETER FENCE
- PERIMETER CONTROL
- LIMIT OF PROJECT DISTURBANCE (101,150 Sq. Ft.)
- B P C — STORMWATER BMP PROTECTION, PERIMETER CONTROL, ROADWAY CONSTRUCTION

NAD83 NH STATE PLANE
MAGNETIC
SCALE: 1" = 100'

SOILS & DEWATERING:

26 WINDSOR LOAMY SAND K= 0.17

SEE SITE SPECIFIC SOILS MAP (SSSM)
SEE WEBSOIL USDA-NRCS
ERODIBILITY FACTOR - K, CPESC MANUAL, ENVIROCERT INTERNATIONAL INC. & ROCKINGHAM COUNTTY SOIL SURVEY, ROCKWEB SOIL ATTRIBUTES.

CONTRACTOR TO BE AWARE OF THE SOIL PROFILES AND ENSURE THAT PROPER EROSION PREVENTION AND SEDIMENT CONTROL MEASURES ARE TAKEN AT ALL TIMES. ANY DEWATERING REQUIREMENTS IN NEW HAMPSHIRE REQUIRE SPECIAL PROVISIONS IN ACCORDANCE WITH THE "CLARIFICATION OF SECTION 9.1.2 (STATE OF NEW HAMPSHIRE CONDITIONS) AND OTHER NH SPECIFIC INFORMATION FOR THE U.S. EPA 2012 NPDES CONSTRUCTION GENERAL PERMIT (CGP)" DATED MAY 3, 2012 INCLUDED IN THE SWPPP.

COVER MANAGEMENT DURING CONSTRUCTION FOR EXPOSED SOIL WILL INCLUDE HAY / STRAW APPLIED AT A RATE OF 2.0 TONS PER ACRE, TEMPORARY SEEDING OF ANNUAL RYE GRASS, AND PERMANENT SEEDING AT THE EARLIES OPPORTUNITY. SEE ADDITIONAL REQUIREMENT FOR STABILIZATION ON THE EROSION AND SEDIMENT CONTROL DETAIL SHEETS, E-101 AND E-102.

THE CONSTRUCTION SCHEDULE WILL BE MANAGED SO THAT ALL STORMWATER STRUCTURES WILL BE BUILT AND STABILIZED PRIOR TO RECEIVING SURFACE WATER RUNOFF. CONTRACTOR TO BE RESPONSIBLE FOR ALL DIVERSIONS DURING CONSTRUCTION AND FOR INTERIM SEDIMENT AND EROSION CONTROL MEASURES. SEE E&SC NOTES SHEET E-102.

GRAPHIC SCALE

20 0 10 20 40 80

(IN FEET)
1 inch = 20 ft.

CITY OF DOVER PLANNING FILE #

REVISION	DATE	DESCRIPTION
#1	10-17-24	REVISED UNIT COUNT AND ASSOCIATED MODIFICATIONS

EROSION AND SEDIMENT CONTROL PLAN
FOR
KNOX MARSH DEVELOPMENT LLC
LAND OF
5 SHERMAN STREET LLC
1 COLD SPRINGS ROAD
DOVER, N.H.
TAX MAP H, LOT 47-A

BERRY SURVEYING & ENGINEERING
335 SECOND CROWN POINT ROAD
BARRINGTON, NH 03825 (603)332-2863

SCALE : 1 IN. EQUALS 20 FT.
DATE : SEPTEMBER 1, 2024
FILE NO. : DB 2023 - 126

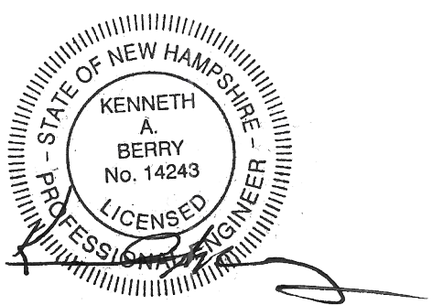
STATE OF NEW HAMPSHIRE
KENNETH A. BERRY
No. 7004
LICENSED PROFESSIONAL ENGINEER

NOT FOR CONSTRUCTION

#Ex Single Family Home	1
# Bedrooms	2
#Proposed 2br Units	4
# Bedrooms	8
#Proposed 3br Units	8
# Bedrooms	24
Flow Received from Ex Single Family Home (gpm)	
GPM=(150GPD * #BR * 6)/1440min/day	
1.25	
Flow Received from Proposed Multi-Family Units (gpm)	
GPM=(150GPD * #BR * 6)/1440min/day	
5.00	
Flow Received from Proposed Single Family Units (gpm)	
GPM=(150GPD * #BR * 6)/1440min/day	
15.00	
Infiltration from 2" SDR 11 Lines (gpm)	
Ex. Inf. Rate = ((300 GPD*2IN*LF)/5280 LF)/1440 min/day	
0.05	
Infiltration from 3" SDR 11 Line (gpm)	
Ex. Inf. Rate = ((300 GPD*3IN*LF)/5280 LF)/1440 min/day	
0.02	
Total Flow Received (BR Flow + INF) (gpm) (New Dev Only)	
21.32	

Full Velocity (Manning Equation)	
V=(1.486/n)*(R^2/3)*(S^1/2)	
n	0.011
R	0.125
Pipe Dia (in)	6
Area (ft^2)	0.196
6" SDR 21	
Inv In (Prop. Forcemain)	137.41
Inv Out (Ex. SMH #6)	137.37
Length (ft)	10.00
Slope	0.004
Full Velocity (ft/s)	2.14
Discharge Rate (gpm)	188.14

Ex. Banner SMH #6 (D2022-0201)	
Rim Elev	147.33
Inv In (Prop. SDR 21)	137.37
Inv In (Ex. 8" SDR 35)	136.63
Inv In (Ex. 8" SDR 35)	136.63
Inv Out (Ex. 8" SDR 35)	136.67
Depth SMH	10.66



23-126 1 Cold Springs Road/Sophie Drive Sewer Calculations		
Peaking Factor		6
Flow/Bedroom (gpd)		150
Multi-family Units are two (2) bedrooms		
New Single Family Homes three (3) bedrooms		
Ex Single Family Homes two (2) bedrooms		
Total 2" SDR 11 Length (Ft):	Total Rate (Design Flow)(GPD):	Total Rate (Design Flow)(GPM):
606.50	5,100	21.25
Total 3" SDR 11 Length (Ft):	Total Rate (Infiltration)(GPD):	Total Rate (Infiltration)(GPM):
179.00	99	0.07
Total 6" SDR 21 Length (Ft):	Total Flow Received (GPD):	Total Flow Received (GPM):
10.00	5,199	21.32
It is not anticipated that the pipes will ever flow full. This is not inclusive of the upstream flow from Ex. SMH #6.		
Project is connecting to gravity sewer in Banner Drive, Sewer Discharge Permit D2022-0201		
Berry Surveying & Engineering		Revised: October 17, 2024

TRASH MANAGEMENT PROTOCOL

COLD SPRINGS CONDOMINIUMS

Introduction

The following protocol outlines the procedures and guidelines for trash management within the **Cold Springs Condominiums**. Each unit will be provided with one designated trash bin, and a private trash collection service will pick up the bins on a weekly basis. This protocol is intended to maintain cleanliness and order within the community, ensure timely trash collection, and minimize disruption to residents.

---

1. Trash Bins

1. **Designated Bins**:
   Each unit will be provided with one trash bin. The bins are property of the HOA and are to be used exclusively for the disposal of household waste.
2. **Bin Identification**:
   All bins will be clearly marked with unit numbers or addresses to ensure that they remain associated with the correct unit. Unit owners are responsible for keeping their bins in good condition and free from graffiti or damage.
3. **Replacement of Bins**:
   If a trash bin is lost, stolen, or damaged beyond normal wear and tear, the unit owner must report this to the HOA. The HOA will coordinate with the trash collection service to provide a replacement bin. Any replacement cost due to negligence or improper care may be charged to the unit owner.

---

2. Trash Pickup Schedule

1. **Pickup Day**:
   The designated trash collection service will pick up trash bins once a week. The specific day of the week for pickup will be determined by the HOA and communicated to all unit owners.
2. **Time for Placement of Bins**:
   Bins should be placed at the curb or in the designated pickup area no earlier than **6:00 PM** the evening before the scheduled collection day, and no later than **7:00 AM** on the day of collection.
3. **Bin Retrieval**:
   After collection, bins must be returned to each unit's designated storage area by **8:00 PM** on the day of pickup. Bins left on the curb or in common areas beyond this time may result in fines or penalties, as outlined in the HOA rules.

---

3. Trash Bin Storage and Placement

1. **Designated Storage Areas**:
   When not in use, trash bins must be stored in each unit's designated storage area, such as a garage or side yard. Bins should not be stored in visible front yards or other common areas except on collection days.

2. **Proper Placement for Pickup**:
   On pickup days, bins must be placed in the designated collection area (curb or driveway entrance) in a way that does not obstruct pedestrian pathways, driveways, or roadways. Ensure that lids are closed to prevent spillage.

3. **Overflow Trash**:
   Trash should fit within the bin, with the lid closed. Overflow trash, extra bags, or large items placed beside the bin will **not** be collected unless special arrangements have been made with the trash collection service. Unit owners are responsible for arranging bulk trash pickup if needed.

---

4. Acceptable and Non-Acceptable Waste

1. **Acceptable Waste**:
   - General household waste.
   - Non-hazardous materials.
   - Bagged waste to prevent spillage.

2. **Non-Acceptable Waste**:
   - Hazardous materials (chemicals, batteries, paint, etc.).
   - Construction debris or large bulk items (e.g., furniture, appliances).
   - Yard waste or recyclables (if not covered by the trash collection service).
   - Sharp objects or medical waste not properly contained.

Unit owners must adhere to the guidelines provided by the trash collection service regarding the types of waste that are permitted for collection. Improper disposal of hazardous or restricted materials will result in fines and may lead to a suspension of trash services for the responsible unit.

---

5. Missed Pickup or Service Issues

1. **Missed Pickup**:
   If a unit’s trash is not picked up on the scheduled day, the unit owner must notify the HOA within 24 hours of the missed pickup. The HOA will work with the trash service provider to resolve the issue and arrange for an additional pickup, if necessary.

2. **Service Complaints**:
   Any concerns regarding the quality or reliability of trash collection services should be reported to the HOA, which will communicate directly with the service provider to address any issues.

---

6. HOA and Unit Owner Responsibilities

1. **HOA Responsibilities**:
   - Contract with a private trash collection service to provide weekly trash pickup.
   - Communicate the pickup schedule and any service changes to unit owners.
   - Enforce compliance with this protocol and issue fines or penalties for violations.
   - Handle complaints and service issues in coordination with the trash collection service.
2. **Unit Owner Responsibilities**:
   - Properly store, maintain, and use the assigned trash bin.
   - Place bins out for pickup on the designated day and time and retrieve bins promptly after collection.
   - Follow the guidelines for acceptable and non-acceptable waste.
   - Report any issues or concerns regarding trash pickup to the HOA in a timely manner.

---

7. Violations and Penalties

1. **Improper Bin Placement or Storage**:
   Bins left out beyond the designated pickup times, stored in unauthorized locations, or improperly placed for collection may result in a warning or fine, as determined by the HOA.
2. **Overflow or Improper Trash Disposal**:
   Bins that are overfilled or contain unacceptable waste items will result in a violation notice. Fines may be imposed for repeated violations.
3. **Failure to Comply with HOA Trash Policies**:
   Consistent failure to comply with the trash management protocol may result in escalating fines, suspension of trash collection services, or other penalties as outlined in the HOA governing documents.

---

8. Review and Updates

This protocol will be reviewed annually by the HOA to ensure continued efficiency and to address any changes in service needs or provider contracts. Unit owners will be notified of any changes or updates to the trash collection procedures.

Conclusion

The **Cold Springs Condominiums** strives to maintain a clean and organized community. Adhering to this trash management protocol ensures proper disposal of household waste and contributes to the overall well-being and appearance of the neighborhood.

DECLARATION

OF

COLD SPRINGS CONDOMINIUMS
1 Cold Springs Road, Dover, Strafford County
State of New Hampshire

5 Sherman Street, LLC with an address of 242 Central Avenue, Dover, County of Strafford, State of New Hampshire (hereinafter, with its successors and assigns, who come to stand in the same relation to the Condominium as their predecessors, called the "Declarant"), hereby declare:

1. Submission of Property. The Declarant hereby submits the land located in Dover, New Hampshire, and more particularly described in Exhibit A, attached hereto (hereinafter referred to as the "Land"), together with the buildings, all improvements heretofore or hereafter constructed thereon, and all easements, rights, and appurtenances thereto described in said Exhibit A, all of which are owned by the Declarant, to the provisions of the Condominium Act of the State of New Hampshire, Chapter 356-B of the Revised Statutes Annotated, in order to create a plan of condominium ownership in such property. The units hereby submitted as of the date of the recording of this Declaration shall be units 1 through 7 and the common areas and facilities associated with those units.

2. Definitions. As provided in Section 12, I of the Condominium Act, capitalized terms not otherwise defined herein, or in the Bylaws recorded herewith, shall have the meanings specified in Section 3 of the Condominium Act. The following terms are expressly defined herein.

(a) "Bylaws" mean the Bylaws providing for the self-government of the Condominium, recorded herewith, as amended from time to time.

(b) "Common Area" means all parts of the Property other than the Units, as more fully set forth in Paragraph 3(e) of this Declaration, and includes any Limited Common Area.

(c) "Condominium" means the COLD SPRINGS CONDOMINIUMS established by this Declaration.

(d) "Condominium Act" means Chapter 356-B of the New Hampshire Revised Statutes Annotated, as amended.

(e) "Land" shall have the meaning set forth hereinabove.

(f) "Majority of the Owners" means the Owners of the Units to which more than fifty (50%) percent of the votes in the Unit Owners' Association appertain. Any specified percentage of the Owners means the Owners of Units to which the specified percentage of the votes in the Unit Owners' Association appertain. Each Unit shall have one vote regardless of the unit's percentage ownership in the Common Area.

(g) "Owner or Unit Owner" means any Person or Persons, who holds or hold fee simple title to a Unit. No mortgagee shall be deemed to be an Owner until such mortgagee has acquired such title pursuant to foreclosure or any procedure in lieu of foreclosure.

(h) "Percentage Interest" or "Undivided Percentage Interest" means the percentage undivided interest of each unit in the Common Area as set forth in Exhibit B attached hereto.

(i) "Property" means the land and buildings and all other improvements heretofore or hereafter constructed thereon, and all easements, rights, and appurtenances thereto, and all articles of personal property intended for common use in connection therewith, except as any of the foregoing may be limited in Exhibit A attached hereto.

(j) "Registry" means the Strafford County Registry of Deeds.

(k) "Rules" means those rules and regulations adopted from time to time by the Board of Directors of the Association relative to the use of the Condominium, provided they are not in conflict with the Condominium Act, the Declaration, or the Bylaws.

(l) "Site Plan and Floor Plans" or "Plan" means the plat of the entire property described in this Declaration, and all floor plans relative thereto, recorded simultaneously herewith or recorded subsequently.

(m) "Unit" means a unit as defined by the Condominium Act, which is bounded and described as shown on the Plans of the Condominium and as provided in Paragraph 3(d) hereof.

(n) "Unit Owners' Association", or "COLD SPRINGS CONDOMINIUMS Unit Owners' Association," or "Association" means all the Owners acting as a group in accordance with this Declaration and/or the Bylaws.

3. Statutory Requirements. The following information is provided pursuant to the provisions of Section 16 of the Condominium Act:

(a) Name. This condominium shall be known as "COLD SPRINGS CONDOMINIUMS."

(b) Location. This condominium is located at 1 Cold Springs Road, Dover, County of Strafford, State of New Hampshire.

(c) Description of Land. A legal description by metes and bounds of the Land submitted to the Condominium is contained in Exhibit A. The Land may be subject to easements for the benefit of adjacent developments.

(d) Description of Units.

(i) Buildings. This Condominium consists of a maximum of sixteen (16) units. The Site Plan which depicts the condominium is recorded at the Strafford County Registry of Deeds as Plan #_____ and the Floor Plans are recorded as Plan # ____. The location and dimensions of the buildings are shown on the Site and Floor Plans.

(ii) Units. Each of the Units is hereby declared to be held in fee simple and may be retained, occupied, conveyed, transferred, encumbered, inherited, or devised in the same manner as any other parcel of real property independent of the other individual Units. Annexed hereto and made a part hereof as Exhibit B is a list of the Units, their respective identifying numbers or Unit designations, and the Undivided Percentage Interests in the Common Area appurtenant to each.

(iii) Each Owner shall own an equal, undivided interest in the Common Area. Subject to the provisions of this Declaration, each Owner may use the Common Area, excepting Limited Common Area, in accordance with the purposes for which it is intended, so long as he does not hinder or encroach upon the lawful rights of the other owners or otherwise violate the provisions hereof or of any Residency Regulations adopted pursuant to said provisions.

Notwithstanding the above provisions, the Declarant shall have and exercise the voting rights for any units which remain titled in the name of the Declarant, or which are proposed to be constructed in future phases regardless of whether those phases have been commenced or completed.

(iv) Unit Boundaries:

The boundaries of each Unit with respect to floors, ceilings, walls, doors, and windows thereof are as follows:

(A) Floors: The upper surface of the subflooring.

(B) Ceilings: The plane of the upper surface of the wallboard, plasterboard or plaster of which the ceilings are constructed.

(C) Interior Building Walls between Units: The plane of the surface facing such unit of the wall studs.

(D) Exterior Building Walls, Doors and Windows: As to exterior walls, the plane of the interior surface of the wall studs; as to doors providing access and egress to the unit, the plane of the exterior surface thereof; and as to windows and doors containing glass, the plane of the exterior surfaces of the window and panel frames.

Except as provided herein:

(1) Interior walls, floors or ceilings are designated as boundaries of a Unit, all lath, furring, wallboard, plasterboard, plaster, paneling, tiles, wallpaper, paint, finish flooring, and any other materials constituting any part of the finished surfaces thereof are a part of the Unit and all other portions of the walls, floors, or ceilings are a part of the Common Area.

(2) If any chute, flue, duct, wire, conduit, bearing wall, bearing column, or any other fixture which lies partially within and partially outside the designated boundaries of a Unit, any portion thereof serving only that Unit is a Limited Common Area allocated solely to that Unit, and any portion thereof serving more than one Unit or any portion of the Common Area is a part of the Common Area.

(3) Subject to the provision of paragraph (2), all spaces, interior partitions, and other fixtures and improvements within the boundaries of a Unit are a part of the Unit.

(4) Any doorsteps, balconies, patios, and all exterior doors and windows or other fixtures designed to serve a single unit, but located outside the Unit's boundaries, are Limited Common Areas allocated exclusively to that Unit.

(e) Description of Common Area and Limited Common Area.

(i) Common Area. Common Area consists of the entire property other than the Units and includes, but not by way of limitation: the Land, the walks, private driveway. mail kiosk, landscaping, shrubbery and other plantings, and other land and interests in land included and described in Exhibit A hereto, sewage disposal, stormwater system

including drainage features, electrical, telephone, and other utility systems serving the condominium to the extent said systems are located within the Property and are not owned by the supplier of the utility service (but not including any portions thereof servicing a single Unit and contained within a Unit); and the pipes, ducts, chutes, conduits, plumbing, wires, meters, meter housings, and other facilities for the furnishing of utility services or waste removal located within a Unit, which serve parts of the condominium other than the Unit within which they are located, and also those located within the yard areas, the roofs, foundations, bearing walls, bearing columns, and other structural portions of the buildings; the perimeter walls, ceilings, the floors bounding each Unit to the unfinished interior surfaces thereof and other walls which are not within a Unit; any other amenities constructed or to be constructed on the Land; and all other parts of the Condominium, including personal property acquired by the Association, necessary or convenient to its existence, maintenance and safety, or normally in common use, and including any easements serving the Property set forth in Exhibit A hereto.

(ii) Limited Common Area. Certain decks, patios, storage areas, and parking spaces are Limited Common Area, being reserved for the exclusive use of the Unit to which they are adjacent or assigned. Each unit shall have the use of two parking spaces. A handicap parking space may be used for non-handicap visitor parking. Designations of the aforementioned Limited Common Area or of any other Limited Common Area shall be shown on the Plans. Each Limited Common Area is owned in common by all of the Owners, but is restricted to the use and benefit of the Unit or Units which it services. No other structures within the limited common area (other than the residential unit, garage, and related decks, porches, driveways, and similar attachments) shall be constructed without the prior permission of the Board of Directors of the Association.

(iii) Use. The use of the Common Area shall be limited to the owners in residence and to their tenants in residence, and to their guests. The use of each Limited Common Area shall be further restricted to the Owner of the Unit to which it is appurtenant, to his tenants in residence, and to his guests. The use, including responsibilities for maintenance and repair, of the Common Area and Limited Common Area shall be governed by the Bylaws and by the Rules as adopted and amended from time to time by the Board of Directors of the Association.

(f) Reassignment of Limited Common Area. Limited Common Area may be reassigned pursuant to Section 19 of the Condominium Act. Pursuant to RSA 356-B:16, I (f), the Declarant reserves the right to designate additional limited common areas by amendment to this Declaration at any time prior to conveyance of any Unit.

(g) Allocation of Percentage Interests. All Units will have an equal Undivided Percentage Interest in the Common Area.

(h) Statement of Purpose and Restrictions on Use. The Condominium and each of the Units are primarily intended for residential use and the following provisions, together with the provisions of the Bylaws and the Rules, are in furtherance of this purpose:

(i) Residential Use; Limitation. Each Unit shall be occupied and used only for residential purposes by the Owner and his family, or by tenants and guests of the Owner, except for such limited professional use as the Association, upon application of the Owner, from time to time may authorize as not being incompatible with the residential character of the Condominium. This restriction shall not be construed to prohibit Owners from leasing their Units so long as the Lessees thereof occupy and use the leased premises in accordance with the provisions of this Declaration, and any rules and/or regulations adopted by the Board of Directors of the Association. Any lease shall be for a minimum term of not less than thirty (30) days.

(ii) Easement to Facilitate Completion and Sales. Declarant shall be deemed to be the Owner of any Units which have not been sold and conveyed. Declarant and its duly authorized agents, representatives, and assigns may make such reasonable use of the Condominium as may facilitate the sale and conveyance, including, without limiting the generality of the foregoing, the right to enter all Units and Common Area for construction purposes, and the right to store materials, the maintenance of a sales office and a rental office, the showing of property, and the displaying of signs. In addition, the Declarant and its duly authorized agents, representatives, and employees shall have the right to use any and all unsold and un-conveyed Unit or Units as sales offices and/or model units. Such Units shall be Units within the meaning of this Declaration and the Condominium Act, and not parts of the Common Area. The Declarant shall have the absolute right to convey or lease such Units. Further, the Declarant reserves the right to enter into certain agreements with other Unit Owners who may agree to lease their Units to the Declarant for use by the Declarant as model units and/or sales offices.

(iii) Easement for Structural Encroachments. None of the rights and obligations of the Owners created herein, or in any deed conveying a Condominium Unit from the Declarant to a purchaser thereof, shall be altered in any way by encroachments as a result of construction of any structures or due to settling or shifting of structures. There shall be valid easements for the maintenance of such encroachments so long as they shall exist; provided, however, that in no event shall a valid easement for encroachment be created in favor of an Owner or Owners if said encroachment occurred due to the willful conduct of said Owner or Owners.

(iv) Occupancy Limitation. No Unit in any building shall be leased, sold, or occupied until the Owner thereof shall have received an occupancy permit for the Unit in accordance with the Zoning Ordinance and Building Code of the City of Dover.

(v) Pipes, Ducts, Cables, Wires, Conduits, Public Utility Lines, and Other Common Area Located Inside of Units, Support. Each Unit Owner shall have an easement in common with the Owners of all other Units to use all pipes, wires, ducts, cables, conduits, public utility lines, and other Common Area located in any of the other Units and serving his Unit. Each Unit shall be subject to an easement in favor of the Owners of all other Units to use the pipes, ducts, cables, wires, conduits, public utility lines, and other common Area serving such other Units and located in such Unit. The

duly authorized representative of the Association shall have a right of access to each Unit to inspect the same, to remove violations therefrom, and to maintain, repair, or replace the Common Area contained therein or elsewhere in the building. Every portion of a Unit which contributes to the structural support of a building shall be burdened with an easement of structural support for the benefit of all other Units and the Common Area.

(vi) Owners Subject to Declaration, Bylaws, and Rules and Regulations. All present or future Owners, tenants, and occupants of Units, or any other person who might use the facilities of the Property in any manner are subject to the provisions of this Declaration, the Bylaws, and the Rules. The acceptance or the entering into occupancy of any Unit shall constitute an agreement that the provisions of this Declaration, the Bylaws, and the Rules, as they may be lawfully amended from time to time, are accepted and ratified by such Owner, tenant, or occupant, and all of such provisions shall be deemed and taken to be enforceable servitudes and covenants running with the land and shall bind any person having at any time any interest or estate in such Units, as though such provisions were recited and stipulated at length in each and every deed of conveyance or lease thereo

The Declaration, Bylaws, and Rules to be adopted by the Board of Directors of the Association, and the decisions and resolutions of the Association, or its representatives, as lawfully amended from time to time, all contain, or will contain certain restrictions as to use of the Units or other parts of the Condominium. Each Owner shall comply therewith and failure to comply with any such provisions, decision, or resolution shall be grounds for an action by the Association or any Unit Owner to recover sums due, for damages or for injunctive relief. All such actions in law or in equity by the Association shall be authorized by resolution of the Board of Directors, and the Association or Unit Owner shall be entitled to recover all reasonable costs and expenses of such actions, including attorneys' fees, as more particularly set forth in Article XII of the Bylaws.

(vii) Condominium Subject to Easements for Ingress and Egress and Use. Subject to the provisions of this Declaration, including, without limitation, Paragraph 4 hereof, the Bylaws and the Condominium Act, each Unit Owner shall have an easement in common with the Owners of all other Units for ingress and egress through, and use and enjoyment of, all Common Area. Each Unit shall be subject to an easement for ingress and egress through, and use and enjoyment of, all Common Area by persons lawfully using or entitled to the same.

(viii) Property Subject to Covenants, Easements, and Restrictions of Record. The submission of the Property is subject to all covenants, conditions, easements, and restrictions of record, including without limitation those which are set forth or referred to in Exhibit A.

(ix) Reservation of Utility Easements. The Declarant reserves on behalf of itself and the Association and their successors and assigns, perpetual easements over all Units and the Common Area for the installation, construction, reconstruction, maintenance,

repair, operation, and inspection of all utility services necessary or desirable in connection with operation of the Condominium, including, without limitation, water, sewage disposal, telephone, heating and air conditioning, gas, cable television and electrical systems, all for the benefit of the respective Owners of the Condominium, which reservation includes the right to convey such easements directly to suppliers and/or distributors of such utility services.

(x) No Subdivision or Partition. No Unit may be divided or subdivided into a smaller Unit; no Unit or portion thereof shall be added to or incorporated into another Unit. The Common Area shall remain undivided and no Unit Owner or any other person shall bring any action for partition or division thereof; nor shall the Common Area be abandoned by act or omission, unless the Condominium shall be terminated pursuant to the Condominium Act.

(xi) No Harmful or Offensive Use of Condominium. No harmful or offensive use shall be made of any part of the Condominium and nothing shall be done therein which is or will become in the judgment of the Association an annoyance or nuisance to the other Unit Owners. No use shall be made of any part of the Condominium which will constitute a fire hazard, result in the cancellation of insurance on any part of the Condominium, or be in violation of any law, ordinance, or governmental regulation applicable thereto. No use shall be made of any part of the Condominium which would increase the rate of insurance on the Common Area without the prior written consent of the Association.

(xii) Determination of Action Following Casualty Damage. In the event of damage to any portion of the Condominium by fire or other casualty, the proceeds of the master casualty policy shall, pursuant to Section 43, III of the Condominium Act, be used to repair, replace, or restore the structure or Common Area damaged, unless the Unit Owners vote to terminate the Condominium pursuant to Section 34 of the Condominium Act. The Board of Directors of the Association are hereby irrevocably appointed the agent for each Owner of a Unit and for each mortgagee of a Unit and for each Owner of any other interest in the Condominium to adjust all claims arising under such policy, or otherwise resulting from such damage, and to execute and deliver releases upon the payment of claims; and proceeds of insurance shall be payable to COLD SPRINGS CONDOMINIUMS Unit Owners' Association, the Unit Owners, or any mortgagees as their interests may appear. The procedure for reconstruction and repair is set forth in Article VI of the Bylaws.

(xii) Garbage. Garbage, trash and refuse may be removed at suitable regular intervals as directed by the Board of Directors of the Association. No dumping or burning of garbage, trash or refuse shall be permitted on condominium property. No garbage, trash or refuse may be stored in such a manner that may cause same to be transferred off-site by natural causes such as rain, wind, etc. All containers for garbage, trash and refuse shall be kept under cover from view or screened from view, except for a reasonable time before removal.

(xiv) Antennas. No unit owner shall erect, install, or maintain any outside television and/or radio antennas or satellite dish. Windmills are not permitted on any part of the condominium property. No unit may have solar panels individually. Te Association may approve a common solar panel system for the benefit of all, or a portion of, units, if located in the Common Area.

(xv) Recreational Vehicles. Recreational vehicles including, but not limited to, boats, trailers, campers, motor homes, snowmobiles, all-terrain vehicles, etc. shall not be allowed on any part of the Condominium property.

(xvi) Exterior Lighting. No Unit Owner shall install any exterior lighting on any Unit or change the original exterior light fixtures installed by the Declarant.

(xvii) Size of Residence: Residential Units 1, 2, 3, 4, and 5 are the units created through the transfer of development rights, and shall not be constructed or reconstructed with more than 1,400 square feet of total living area, excluding garages, basements, and porches, as long as they remain unfinished. Residences shall remain single-family. Pursuant to City of Dover Zoning Ordinance Section 170-27.2.G(iii) as amended, the units created, through the transfer of development rights must be :

A. Sold, and are not for rental purposes; and
B. Limited to the square footage originally constructed.

The remaining units in the development are not restricted as to size or usage.

(xviii) HUD restricted units:

A. The 4 units in the duplex buildings (Units A-1, A-2, B-1 and B-2) shall be deemed affordable, Affordable Housing, either Affordable Home Ownership Unit or Affordable Rental Unit. This requirement shall be maintained as such in perpetuity, by the use of the appropriate restrictions in deeds, lease provisions or other mechanisms.

B. Affordable Housing - housing that is affordable by either being an Affordable Homeownership Unit or Affordable Rental Unit.

C. Affordable Homeownership Unit - an Affordable Housing unit required to be sold to an Eligible Household.

D. Affordable Rental Unit – The rental rate for an Affordable Housing unit shall not exceed the fair market rate set by United States Department of Housing and Urban Development (HUD) for this area.

E. Eligible Household - an individual or household whose annual income is less than 80 percent of the area-wide median income as determined by the

United States Department of Housing and Urban Development (HUD), adjusted for household size.

(i) RSA 356-B:41 - Upkeep of Condominium - Warranty Against Structural Defects.

(i) Except to the extent otherwise provided by the condominium instruments, all powers and responsibilities with regard to maintenance, repair, renovation, restoration, and replacement of the condominium shall belong (a) to the individual unit owners' Association in the case of the common areas, and (b) to the individual unit owner in the case of any unit or any part thereof. Each unit owner shall afford to the unit owners' association and to any of its agents or employees such access through his unit as may be reasonably necessary to enable them to exercise and discharge their respective powers and responsibilities. But to the extent that damage is inflicted upon the common areas or any unit through which access is taken, the unit owner causing the same, or the unit owners' association if it has caused the same, shall be liable for the prompt repair thereof.

(ii) Notwithstanding any provision to the contrary, the declarant shall warrant or guarantee, against structural defects, each of the units for one (1) year from the date each is conveyed, and all of the common areas for one (1) year from the date of completion of the common area. The one year referred to in the preceding sentence shall begin as to each of the common areas whenever the same has been completed or if later, (a) as to any common area within any additional land or portion thereof, at the time the first unit therein is conveyed. For the purposes of this paragraph, no unit shall be deemed conveyed unless conveyed to a bona fide purchaser. For the purposes of this paragraph, structural defects shall be those defects in components constituting any unit or common area which reduce the stability or safety of the part of the structure below accepted standards or restrict the normal intended use of all or part of the structure and which require repair, renovation, restoration or replacement. Nothing in this paragraph shall be construed to make the declarant responsible for any items of maintenance relating to the units or common areas.

4. Amendment of Declaration. Except as otherwise provided in the Condominium Act and in this Declaration and Bylaws, this Declaration and Bylaws may be amended by agreement of at least two- thirds of the Owners; provided, however, that (i) any such amendment shall be executed by such two-thirds of the Owners or by the President and Treasurer of the Association accompanied by a Certificate of Vote of the Clerk; (ii) evidence of such amendment shall be duly recorded at the Registry pursuant to

Section 34, IV of the Condominium Act; (iii) so long as the Declarant owns one or more Units, no amendment to the Declaration shall be adopted that could interfere with the construction, sale, lease, or other disposition of such Unit(s); (iv) no such amendment shall be contrary to the provisions of the Condominium Act; (v) no such amendment shall affect any rights reserved to the Declarant herein or in the Bylaws without the written consent of the Declarant; (vi) any amendment of material nature as defined in Section 402.02 of FNMA Lending documents dated January 1, 1983, shall have been approved in writing by fifty-one (51%) percent of the mortgagee or mortgagees holding first mortgages on Units; and (vii) any such amendment shall not be contrary to any provisions of the City of Dover Zoning Ordinance and Building Code or Subdivision Regulations.

5. FNMA/FHLMC Compliance. Notwithstanding anything to the contrary elsewhere in the Condominium Instruments, the following provisions shall govern and be applicable insofar and for so long as the same are required in order to qualify mortgages of Units in the Condominium for sale to the Federal Home Loan Mortgage Corporation (FHLMC) or the Federal National Mortgage Association (FNMA) or the Federal Housing Administration (FHA) under the laws and regulations applicable thereto.

(a) Any holder, insurer, or guarantor of a first mortgage on a Unit in the Condominium shall, upon written request, be entitled to written notification from the Association of any of the following (holders of first mortgages who have submitted such written requests will be referred to as "Eligible Mortgage Holders"):

(i) A condemnation or loss which affects a material portion of the Property of such Unit on which such first mortgagee holds a first mortgage lien;

(ii) Any sixty (60) day delinquency in the payment of assessments or charges owed by a mortgagor of such Unit;

(iii) Any lapse, cancellation, or material modification of any insurance policy or fidelity bond maintained by the Association;

(iv) Any action for which the consent of Eligible Mortgage Holders is required pursuant to this Declaration;

(b) Any first mortgagee of a Unit in the Condominium who obtains title to the Unit pursuant to the remedies provided in the mortgage, or foreclosure of the mortgage, or deed (of assignment) in lieu of foreclosure, shall take the property free of any claims for unpaid assessments or charges against the mortgaged Unit which accrue prior to the acquisition of title of such Unit by the mortgagee.

(c) Unless at least fifty-one (5l%) percent of the Eligible Mortgage Holders (based upon votes appurtenant to Units subject to such mortgages) have given their prior written approval, the Owners and the Association shall not be entitled to: (i) by act or omission, seek to abandon or terminate the Condominium project; (ii) change the Percentage

Interests or obligations of any Unit for purposes of (a) levying assessments or charges or allocating distributions of hazard insurance proceeds or condemnation awards or (b) determining the pro rata share of ownership of each Unit in the Common Area; (iii) partition or subdivide any Unit; (iv) by act or omission, seek to abandon, partition, subdivide, encumber, sell, or transfer, the Common Area (the granting of easements for public utilities or for other public purposes consistent with the intended use of the Common Area by the Declarant or the Association shall not be deemed a transfer within the meaning of this clause); (v) use hazard insurance proceeds for losses to the Property (whether to Units or to Common Area) for other than the repair, replacement, or reconstruction of such Property; or (vi) amend, modify, or otherwise change any material rights or obligations under this Declaration or the Bylaws. In the case of termination of the Condominium for any reason other than substantial destruction or condemnation, prior written approval of sixty-seven (67%) percent of Eligible Mortgage Holders shall be required.

(d) The Board of Directors of the Association shall assure that its books, records, and financial statements, as well as current copies of the Declaration, Bylaws, and Rules are available for inspection by Unit Owners or holders, insurers, or guarantors of first mortgages on Units during normal business hours or under other reasonable circumstances.

(e) An adequate operating fund and a reserve fund for maintenance, repairs, and replacements of any Common Area which must be replaced on a periodic basis shall be established by the Association and shall be funded by regular monthly payments rather than by special assessments.

(f) No provision of this Declaration, the Bylaws, or the Rules shall be construed to grant to any Unit Owner, or to any other party, any priority over any rights of first mortgagees of the Condominium Units pursuant to their mortgages in the case of a distribution to Unit Owners of insurance proceeds or condemnation awards for losses to, or a taking of, Units and/or the Common Area or any portions thereof.

(g) This Declaration and the Bylaws contain provisions concerning various rights, priorities, remedies, and interests of first mortgagees of Units. Such provisions are to be construed as covenants for the protection of such mortgagees on which they may rely in making loans secured by mortgages on the Units. Accordingly, any Owner who gives a first mortgage on his Unit shall notify the Association of the name and address of the first mortgagee of such Unit. All mortgagees with respect to which the Association has received such notice shall be given written notice of any damage or loss where the cost of restoring the Common Area exceeds Ten Thousand ($10,000.00) Dollars, and the first mortgagee of a Unit shall be given written notice of damage or loss to the Unit covered by its mortgage where the cost of restoration of such damage or loss exceeds One Thousand ($1,000.00) Dollars, the Association is made aware of such damage or loss, and notice of such mortgage has been supplied to the Association.

(h) If FHLMC or FNMA or FHA holds any interest in one or more mortgages of Units:

(i) The Association shall be required to obtain and maintain, to the extent obtainable, and permitted by applicable law, such insurance other than that which may be required by Article VI of the Bylaws, in such amounts and containing such terms, as may be required from time to time by FHLMC, FNMA, or FHA, including, but not limited to, dishonest acts on the part of the officers of the Association, employees, or volunteers responsible for handling the Association's funds. All such insurance shall provide that an adjustment of loss shall be made by the Association and if FHLMC, FNMA, or FHA holds any interest in one or more mortgages on Units, all such policies shall be in such amounts and contain such terms as may be required from time to time by whichever of FHLMC, FNMA, or FHA (or all) holds such interests.

(ii) Whenever any Unit and/or Common Area is damaged by fire or other hazard, the Association shall give notice to such persons as may be required by FHLMC or FNMA.

(iii) Any holder, insurer, or guarantor, or grantor of a first mortgage on any Unit shall be entitled to have the Association provide a copy of the audited financial statement for the immediate preceding fiscal year of the Association. If no such audited statement exists, the requesting party is entitled to have an audited statement prepared at its own expense, or at its option to receive a copy of any unaudited statement. Upon such request, the Association must provide the financial statement to the requesting party within a reasonable time.

6. No Revocation or Partition. The Common Area shall remain undivided and no Unit Owner or any other Person shall bring any action for partition or division thereof, nor shall the Common Area be abandoned by act or omission, unless the Condominium is terminated pursuant to Section 34 of the Condominium Act.

7. Invalidity. It is the intention of the Declarant that the provisions of this Declaration are severable so that if any provision, condition, covenant, or restriction hereof shall be invalid or void under any applicable federal, state, or local law or ordinance, the remainder shall be unaffected thereby. In the event that any provision, condition, covenant, or restriction hereof is, at the time of recording this Declaration, void, voidable, or unenforceable as being contrary to any applicable law or ordinance, the Declarant, its successors and assigns, and all persons claiming by, through, or under this Declaration, covenant and agree that any future amendments or supplements to the said laws having the effect of removing said invalidity, voidability, or unenforceability, shall be deemed to apply retrospectively to this Declaration thereby operating to validate the provisions of this instrument which otherwise might be invalid, and it is covenanted and agreed that any such amendments and supplements to the said laws shall have the effect herein declared as fully as if they had been in effect at the time of this instrument.

8. Waiver. No provision contained in this Declaration shall be deemed to have been abrogated or waived by reason of any failure to enforce the same (except where a right is dependent upon notice to be given within a specified period), irrespective of the number of violations or breaches which may occur.

9. Gender. The use of the masculine gender in this Declaration shall be deemed to refer to the feminine gender and the use of the singular shall be deemed to refer to the plural and vice versa, whenever the context so requires.

5 Sherman Street, LLC, Declarant, By

Robert Baldwin

_____ By: _____
Witness ROBERT BALDWIN, Member

STATE OF NEW HAMPSHIRE
COUNTY OF STRAFFORD _____, 2024

Personally appeared ROBERT BALDWIN, in his capacity as MANAGER of 5 SHERMAN STREET LLC and acknowledged the foregoing instrument to be his voluntary act and deed on behalf of the company, before me,

Notary Public
My Commission Expires:

STATE OF NEW HAMPSHIRE
COUNTY OF STRAFFORD _____, 2024

EXHIBIT A

[Insert Description]

EXHIBIT B

Each Unit shall have an equal percentage ownership in the Common Area of the Condominium.

BYLAWS

OF

COLD SPRINGS CONDOMINIUMS
1 Cold Springs Road, Dover, Strafford County
State of New Hampshire

UNIT OWNERS' ASSOCIATION

ARTICLE I

INTRODUCTORY

1. Purpose. The administration of the Condominium shall be governed by these Bylaws, and all present and future holders of any interest in the Condominium shall be members of COLD SPRINGS CONDOMINIUMS Unit Owners' Association, which is a "condominium management association" organized and operated to provide for the acquisition, construction, management, maintenance, and care of "association property" as those terms are defined in Section 528 of the Internal Revenue Code. No part of the net earnings of said Association shall inure (other than by acquiring, constructing, or providing management, maintenance, and care of association property, other than by a rebate of excess membership dues, fees, or assessments pursuant to Article V, Section 1(c) hereof) to the benefit of any Unit Owner.

2. Definitions. Capitalized terms not otherwise defined herein or in the Declaration shall have the meanings specified in Section 3 of the Condominium Act.

3. Bylaws Applicability. The provisions of these Bylaws are applicable to the Property, and the use, occupancy, sale, lease, and other transfer thereof. All present and future Owners, tenants, future tenants, their guests, licensees, servants, agents, employees, and any other Person who shall use the facilities of the Condominium shall be subject to these Bylaws and to the Rules of the Condominium. The acceptance of a deed of conveyance or the entering into of a lease or the act of occupancy of a Unit or any other portion of the Condominium shall constitute an acknowledgment that such Owner, tenant, or

occupant has accepted and ratified these Bylaws, the provisions of the Declaration, and the Rules, and will comply with them.

4. Office. The office of the Condominium and of the Board of Directors shall be located at the Condominium or at such other place as may be designated from time to time by the Board of Directors.

ARTICLE II

UNIT OWNERS' ASSOCIATION

1. Composition. All of the Unit Owners, acting as a group in accordance with the Condominium Act, the Declaration, and these Bylaws, shall constitute "The Condominiums at Sterling Way Unit Owners' Association," or "Association" which shall have the responsibility of administering the Condominium, establishing the means and methods of collecting the assessments for Common Expenses, arranging for the management of the Condominium, and performing all of the acts that may be required to be performed by the Unit Owners' Association by the Condominium Act. Except as to those matters which the act, the Declaration, or these Bylaws specifically require to be performed by the vote of the Unit Owners, the administration of the Condominium shall be performed by the Board of Directors (as more particularly set forth in Article III).

2. Period of Control by Declarant. Notwithstanding any other provision of these Bylaws, pursuant to RSA 356-B:36 until the earlier of two (2) years after recordation of the Declaration or the date on which seventy-five (75%) percent of the Units (up to and including the 9 units, which is the maximum number of units which may be declared under the Declaration) have been conveyed by Declarant (the "Transition Date"), the Declarant shall have the power, in its sole discretion, to (a) appoint or remove any or all officers and directors of the Unit Owners' Association at any time, without cause, and (b) exercise any and all powers and responsibilities otherwise assigned by the condominium instruments or the Condominium Act to the Unit Owners' Association, its officers, or its Board of Directors. The Declarant may relinquish its power hereunder at any time by recording an appropriate statement at the Registry, in which event the date of such relinquishment shall be the "Transition Date." Except as provided herein, pursuant to RSA 356-B:40, IV, the period of the Declarant control terminates no later than the earliest of:

(a) Sixty days after conveyance of 60 percent of the units that may be created to Unit Owners other than a Declarant; or

(b) The date the Declarant, after giving notice in a record to Unit Owners, records an instrument voluntarily surrendering all rights to control activities of the Association.

Notwithstanding anything herein to the contrary, pursuant to RSA 356-B:40-V, not later than 60 days after the conveyance of ¼ of the units that may be created to Unit Owners other than a Declarant, at least one member and not less than 25 percent of the members of the Board of Directors shall be elected by Unit Owners other than the Declarant. Not later

than 60 days after conveyance of ½ of the units that may be created to Unit Owners other than a Declarant, not less than ½ of the members of the Board of Directors shall be elected by the Unit Owners other than the Declarant.

3. Voting. Each Unit shall be entitled to one vote in the Association. Since an Owner may be more than one (1) Person, if only one of such Persons is present at a meeting of the Association, that Person shall be entitled to cast the votes appertaining to that Unit. If more than one of such Persons is present, the vote appertaining to that Unit shall be cast only in accordance with the agreement of a majority of them, and such consent shall be conclusively presumed if any one of them purports to cast the vote appertaining to that Unit without protest being made forthwith by any of the others to the individual presiding over the meeting. As applied to a Person which is not a natural person, the word "Person" shall be deemed for the purposes of this Section to include, without limitation, any one (1) natural person having authority to execute deeds on behalf of such Person which is not a natural person and which is, either alone or in conjunction with another Person or Persons, an Owner. Except where a greater number is required by the Condominium Act, the Declaration, or these Bylaws, a majority vote is required to adopt decisions at any meeting of the Association and to elect Directors. If the Declarant owns or holds title to one (1) or more Units, the Declarant shall have the right at any meeting of the Association to cast the votes to which such Unit is entitled.

4. Place of Meeting. Meetings of the Unit Owners' Association shall be held at the principal office of the Condominium or at such other suitable place as may be designated by the Board of Directors and stated in the notice of the meeting.

5. Annual Meeting. The first annual meeting of the Unit Owners' Association shall be held on a date to be determined by the Declarant, which date shall be within one (1) year after the formation of the Association by the recordation of the Declaration and Bylaws at the Registry. Notice of such meeting shall be given in accordance with the provisions of Section 7 of this Article II. Thereafter, the annual meetings of the Association shall be held on the same date of each succeeding year, or on such other date within a thirty (30) day period prior to such date, as may be designated by the Board of Directors and reflected in the said notice. At such annual meetings following the Transition Date (as defined in Section 2 above), the Board of Directors shall be elected by ballot of the Owners in accordance with the requirements of Section 4 of Article III. The Association may also transact such other business as may properly come before it at such meetings.

6. Special Meetings. It shall be the duty of the President to call a special meeting of the Unit Owners' Association if so directed by resolution of the Board of Directors or upon a petition signed and presented to the Secretary by Owners having not less than thirty (30%) percent of the votes of all Owners. The notice of any special meeting shall state the time and place of such meeting and purpose thereof. No business shall be transacted at a special meeting except as stated in the notice.

7. Notice of Meeting. It shall be the duty of the Secretary to mail, by first class United States mail, or electronic mail, a notice of each annual meeting or special meeting of the Owners, at least twenty-one (21) days in advance of an annual meeting and at least seven (7) days in advance of a special meeting, stating the purpose thereof, as well as the time and place where it is to be held, to each Owner of record, at the address of their respective Units and at such other address as each Owner may have designated by notice in writing to the Secretary. The mailing of a notice of meeting in the manner provided in this Section shall be considered service of notice.

8. Voting Requirements. An Owner shall be deemed to be in good standing and entitled to vote at any annual meeting or at any special meeting of the Unit Owners' Association if, and only if, he shall have fully paid all assessments made or levied and due against him and his Unit by the Board of Directors as hereinafter provided, together with all interest, costs, attorney's fees, penalties, and other expenses, if any, properly chargeable to him and against his Unit, as of the third business day prior to the date fixed for such annual or special meeting. Notwithstanding the foregoing, any Owner may vote on any amendment to the condominium instruments, or on the question of terminating the condominium, regardless of whether his assessments are fully paid.

9. Proxies. The vote appertaining to any Unit may be cast pursuant to a proxy or proxies in accordance with the provisions of Section 39, IV of the Condominium Act. Where the Unit Owner is more than one (1) Person, the proxy must be executed by or on behalf of all such Persons.

10. Quorum. A quorum consists of fifty per cent (50 %) of the total votes in the Association. Valid proxies shall count toward the quorum requirement.

11. Order of Business. The order of business at all meetings of the Unit Owners' Association may be as follows: (a) roll call; (b) recitation of proof of notice of meetings; (c) reading of minutes of preceding meeting; (d) reports of officers; (e) report of Board of Directors; (f) report of committees; (g) election of Directors if applicable; (h) unfinished business; and (i) new business; any of which may be waived.

12. Conduct of Meeting. The President or his designate shall preside over all meetings of the Unit Owners' Association and the Secretary shall keep the Minutes of the meeting and record in a Record Book, all resolutions adopted by the meeting as well as all transactions occurring thereat.

13. Alternate Meeting Methods: Any meeting of the Association or of the Board of Directors may be by telephonic, video, or other conferencing process.

ARTICLE III

BOARD OF DIRECTORS

1. Powers and Duties. The affairs and business of the Condominium shall be managed by a Board of Directors (sometimes herein referred to as the "Board") which shall have all of the powers and duties necessary for the administration of the affairs of the Condominium and may do all such acts and things as are not prescribed to be exercised and done exclusively by the membership of the Unit Owners' Association by the Condominium Act or by these Bylaws. The Board of Directors shall have the power from time to time to adopt any Rules deemed necessary for the enjoyment of the Condominium provided that such Rules shall not be in conflict with the Condominium Act, the Declaration, or these Bylaws. The Board of Directors may delegate to one of its members the authority to act on behalf of the Board of Directors on all matters which might arise between meetings of the Board of Directors. In addition to the general duties imposed by these Bylaws, the Board of Directors shall have the power to and be responsible for the following:

(a) Preparing and adopting an annual budget, pursuant to RSA 356-B:40-C in which there shall be established the assessment of each Owner for the Common Expenses;

(b) Making assessments against Owners to defray the Common Expenses of the Condominium establishing the means and methods of collecting such assessments from the Owners, collecting said assessments from the Owners, collecting said assessments, depositing the proceeds thereof in a bank depository which it shall approve, and using the proceeds to carry out the administration of the Property;

(c) Providing for the operation, management, care, upkeep, replacement, and maintenance of all the Common Area and services of the Condominium;

(d) Designating, hiring, and dismissing the personnel necessary for the maintenance, operation, repair, and replacement of the Common Area, and providing services for the Property, and where appropriate, providing for the compensation of such personnel and for the purchase or use of equipment, supplies, and material to be used by such personnel in the performance of their duties, which supplies and equipment, if purchased, shall be deemed the common property of the Owners;

(e) Making and amending the Rules respecting the use and enjoyment of the Property and enforcing by legal means the provisions of the Condominium Act, the Declaration, these Bylaws, and such Rules, and bringing any proceedings which may be instituted on behalf of the Owners;

(f) Obtaining and carrying insurance against casualties and liabilities, as provided in Article VI of these Bylaws, and paying the premium cost thereof and making, or contracting for the making of, repairs, additions, and improvements to, or alterations of the Property and repairs to, and restoration of the Property, in accordance with the other provisions of these Bylaws, after damage or destruction by fire or other casualty;

(g) Opening bank accounts on behalf of the Association and designating signatories required therefore, and keeping books with detailed accounts of the receipts and expenditures affecting the Property, and the administration of the Condominium. The said books shall be available for examination by the Owners and their duly authorized agents or attorneys, at reasonable times and places. All books and records shall be kept in accordance with the generally accepted accounting principles. A copy of the annual financial statement shall be supplied to any first mortgagee of any Unit in the condominium who requests the same in writing to the Secretary.

(h) The Board of Directors shall have the irrevocable power, which it may delegate to the President or other officer, as attorney-in-fact on behalf of all of the Owners, their heirs, successors, and assigns to do the following things:

(i) To grant easements through the Common Area and to accept easements benefiting the Condominium or any portion thereof;

(j) To negotiate, settle, and litigate, including execution of any necessary documents, any proceeding by any governmental authority to condemn all or any portion of the Common Area, any dispute concerning title to all or any portion of the Common Area, and any other dispute which affects the Common Area;

(k) To execute any documents necessary to encumber all or any portion of the Common Area to secure any borrowing, providing that such borrowing is authorized pursuant to Article V, Sections 1(d) or 7, or Article VII, Section 2(b) hereof.

(l) To implement the operation and maintenance requirements for the stormwater infrastructure as set forth in the Stormwater Maintenance Program as approved by the Dover Planning Board.

(m) To do such other things and acts not inconsistent with the Condominium Act and with the Declaration which it may be authorized to do by a resolution of the Unit Owners' Association.

2. Managing Agent. The Board of Directors, in its discretion, may employ, or contract with, a professional manager or management firm ("Manager") for a fee or compensation established by the Board of Directors, to perform such duties and services as the Board of Directors shall authorize, including, but not limited to, the duties listed in Section 1 of this Article III. The Board of Directors may delegate to the Manager all of the powers granted to the Board of Directors by these Bylaws; provided that any actions by the Manager with respect to the powers set forth in Paragraphs (a), (b), (e), (g), and (h), of Section 1 of this Article III shall require the written consent of the Board of Directors. Any employment contract entered into before the Transition Date (as defined in Article II, Section 2 above) shall provide that the Association may terminate the contract at any time following the Transition Date, without cause and without penalty, upon no more than ninety (90) days written notice. The Managing Agent is subject to the requirements of RSA B:40-a.

3. Number of Directors and Initial Selection of Board. The Board of Directors shall be composed of three (3) persons. Until the Transition Date, all Directors shall be appointed by the Declarant and may be any natural persons. After the Transition Date, all elected Directors must be Owners or spouses of Owners, or, where a Person which is an Owner is not a natural person, a natural person having authority to execute deeds on behalf of such Person.

4. Election and Term of Office. Subject to Declarant's right to designate set forth herein, at the first annual meeting of the Unit Owners' Association, three (3) Directors shall be elected. The term of office of one (1) Director shall be fixed at one (1) year and the term of office of two (2) Directors shall be fixed at two (2) years. Subject to the provisions of Section 3 above, at the expiration of the initial term of office of each respective Director, each successor shall be elected at subsequent annual meetings of the Unit Owners' Association to serve a term of two (2) years. The Directors shall hold office until their respective successors have been elected and hold their first meeting. All elections shall be by majority vote.

5. Organizational Meeting. The first meeting of the members of the Board of Directors following the annual meeting of the Unit Owners' Association shall be held immediately afterward, and no notice shall be necessary in order to legally constitute such meeting, provided a majority of the whole Board shall be present thereat.

6. Regular Meeting. Regular meetings of the Board of Directors may be held without call or notice at such time and place as shall be determined, from time to time, by a majority of the Directors, provided that notice of the first regular meeting following any such determination shall be given to Directors not present when such determination is made. At least two (2) such meetings shall be held during each twelve (12) month period after the annual meeting of the Unit Owners' Association. When required, notice of meetings of the Board of Directors shall be given personally or by mail, telephone or electronic mail, at least five (5) business days prior to the day named for such meeting. No notice shall be required for a regular meeting held immediately after, and at the same place as, the annual meeting of the Association.

7. Special Meetings. Special meetings of the Board of Directors may be called by the President on five (5) business days notice to each Director, or, in the event of an emergency, upon such amount of notice as is practical in the situation. Such notice shall be given personally or by mail, telephone, or electronic mail, and such notice shall state the time, place, and purpose of the meeting. Special meetings of the Board of Directors shall be called by the President or Secretary in like manner and on like notice on the written request of a majority of the Directors.

8. Waiver of Notice. Before or within ten (10) days after any meeting of the Board of Directors, any Director may, in writing, waive notice of such meeting and such waiver shall be deemed equivalent to the giving of such notice. Attendance by a Director at

any meeting of the Board shall be a waiver of notice by him of the time and place thereof. If all the Directors are present at any meeting of the Board, no notice shall be required and any business may be transacted at such meeting.

9. Board of Directors' Quorum. At all meetings of the Board of Directors, a majority of the Directors shall constitute a quorum for the transaction of business, and the acts of the majority of the Directors present at a meeting at which a quorum is present shall be the acts of the Board of Directors. If, at any meeting of the Board of Directors, there be less than a quorum present, the majority of those present may adjourn the meeting to another time. At any such adjourned meeting, when resumed, any business which might have been transacted at the meeting as originally called may be transacted without further notice.

10. Vacancies. After the Transition Date, vacancies on the Board of Directors caused by any reason other than removal of a Director by a vote of the Unit Owners' Association shall be filled by vote of the majority of the remaining Directors, at a special meeting of the Board of Directors held for the purpose promptly after the occurrence of any such vacancy, even though the Directors present at such meeting may constitute less than a quorum of the Board; and each person so elected shall be a director for the remainder of the term of the Director so replaced; provided, however, that a vacancy in the position held by a Director designated by the Declarant, pursuant to a right of the Declarant to make such designation, shall be filled by the Declarant.

11. Removal of Directors. Pursuant to RSA 356-B:40-b, Unit Owners present in person or by proxy at any meeting of the Unit Owners at which a quorum is present, may remove any member of the Board of Directors and any Officer elected by the Unit Owners, with or without cause, if the number of votes cast in favor of removal exceeds the number of votes cast in opposition to removal, provided that:

(a.) A Member appointed by the Declarant may not be removed by a unit owner vote during the period of Declarant control.

(b.) The Unit Owners may not consider whether to remove a member of the Board of Directors or an Officer Elected by the Unit Owners at a meeting of the Unit Owners unless that subject listed in the notice of the meeting.

At any meeting at which a vote to remove a member of the Board of Directors or an officer is to be taken, the member or Officer being considered for removal shall have a reasonable opportunity to speak before the vote.

12. Compensation. No Director shall receive any compensation from the Condominium for acting as such.

13. Conduct of Meeting. The President, or, in his absence, a President Pro Tem elected by the Board, shall preside over all meetings of the Board of Directors and the Secretary shall keep the Minutes of the meetings of the Board of Directors, recording therein

all resolutions adopted by the Board of Directors and all transactions and proceedings occurring at such meetings, which Minutes shall be filed in the Record Book of the Association.

14. Fidelity Bonds. The Board of Directors shall require that all Directors, officers, agents (including the Manager), employees and volunteers of the Association handling or responsible for handling funds belonging to or administered by the Association furnish adequate fidelity bonds, pursuant to Article VI, Section 1(d). The premiums on such bonds shall constitute a Common Expense.

15. Report of Board of Directors. The Board of Directors shall present at each annual meeting, and when called for by vote of the Unit Owners' Association at any special meeting of the Association, a full and clear statement of the business and condition of the Condominium.

16. Dispensing with Vote. Any action of the Board of Directors required or permitted to be taken at any meeting may be taken without a meeting if all of the members of the Board of Directors shall individually or collectively consent in writing to such action. Such written consent or consents shall be filed with the Minutes of the proceedings of the Board of Directors.

17. Liability of the Board of Directors. The members of the Board of Directors shall not be liable to the Owners for any mistake of judgment, negligence, or otherwise except for their own individual willful misconduct or bad faith or actions which are contrary to the provisions of the Condominium Act, the Declaration, or the Bylaws. The Owners shall indemnify and hold harmless each of the Directors from and against (a) all liability to others arising out of contracts made or action taken or omitted on behalf of the Owners unless any such contract shall have been made or action taken or omitted, in bad faith, due to willful misconduct, or contrary to the provisions of the Condominium Act, the Declaration or these Bylaws, and (b) against expenses (including attorneys' fees), judgments, fines, and amounts paid in settlement incurred by such Director in connection with any threatened, pending, or completed action, suit, or proceeding unless he acted in bad faith, was guilty of willful misconduct or acted contrary to such provisions. It is intended that the members of the Board of Directors shall have no personal liability (except as Owners) with respect to any contract made or action taken or omitted by them on behalf of the Owners, unless made, taken, or omitted in bad faith, due to willful misconduct or contrary to such provisions. It is also intended that the liability of any Owner arising out of any contract, action, or omission made by the Board of Directors or out of the aforesaid indemnity in favor of the members of the Board of Directors shall be limited to the same percentage of the total liability thereunder as his Unit's undivided percentage interest in the Common Area. Every written agreement made by the Board of Directors or by the Manager on behalf of the Owners shall, if obtainable, provide that the member of the Board of Directors or the Manager, as the case may be, are acting only as agents for the Owners and shall have no personal liability thereunder (except as Owners), and that each Owner's liability thereunder shall be limited to the same percentage of the total liability thereunder as his Unit's undivided percentage interest in the Common Area.

ARTICLE IV

OFFICERS

1. Designation. The principal officers of the Condominium shall be a President, a Secretary, and a Treasurer, all of whom shall be elected by the Board (subject to the provisions of Article II, Section 2). The Board may appoint such other officers as in its judgment may be necessary. With the exception of the President, no officer need be a member of the Board. The offices of Treasurer and Secretary may be held by the same person.

2. Election of Officers. Subject to the provisions of Article II, Section 2, the officers of the Unit Owners' Association shall be elected initially by the Board at a special meeting held on or near the date on which the Declaration is recorded at the Registry. Thereafter, the officers of the Condominium shall be elected annually by the Board at the organizational meeting of each new Board and shall hold office at the pleasure of the Board. Any vacancy in an office shall be filed by the Board at a regular meeting or special meeting called for such purpose.

3. Removal of Officers. Pursuant to RSA 356-B:40-b, Unit Owners present in person or by proxy at any meeting of the Unit Owners at which a quorum is present, may remove any member of the Board of Directors and any Officer elected by the Unit Owners, with or without cause, if the number of votes cast in favor of removal exceeds the number of votes cast in opposition to removal, provided that:

> A Member appointed by the Declarant may not be removed by a unit owner vote during the period of Declarant control.
>
> The Unit Owners may not consider whether to remove a member of the Board of Directors or an Officer Elected by the Unit Owners at a meeting of the Unit Owners unless that subject listed in the notice of the meeting.

At any meeting at which a vote to remove a member of the Board of Directors or an officer is to be taken, the member or Officer being considered for removal shall have a reasonable opportunity to speak before the vote.

4. President. The President shall be the Chief Executive Officer; he, or his designate, shall preside at meetings of the Unit Owners' Association and, if present, at meetings of the Board of Directors and shall be an ex officio member of all committees; he shall have general and active management of the business of the Condominium and shall see that all orders and resolutions of the Board are carried into effect. He shall have all of the general powers and duties which are usually vested in or incident to the office of President of a stock corporation organized under the laws of the State of New Hampshire.

5. Secretary. The Secretary shall attend all meetings of the Board of Directors and all meetings of the Unit Owners' Association, shall record the Minutes of all proceedings in the record book of the Condominium and shall perform like duties for committees when required. He shall keep the record book current and in his custody. He shall give, or cause to be given, notice of all meetings of the Unit Owners' Association, the Board, and the committees and shall perform such other duties as may be prescribed by the Board or President. The Secretary shall complete and keep current at the principal office of the Condominium (a) a complete list of the Owners and their last known post office address, and (b) copies of the Condominium instruments. These documents shall be open to inspection by all Owners and other persons lawfully entitled to inspect the same, at reasonable hours during regular business days.

6. Treasurer. The Treasurer shall have the custody of all funds and securities that are not under the control of the Manager, and, with the assistance of the Manager shall keep full and accurate records of receipts and disbursements, shall prepare all required financial data, and shall deposit all monies and other valuable effects in such depositories as may be designated by the Board. Such records shall include, without limitation, chronological listings of all assessments and Common Expenses on account of the Common Area and each Unit and the amounts paid and the amounts due on such assessments by each Owner. He shall disburse funds as ordered by the Board, where possible taking proper vouchers for such disbursements, and shall render to the President and Directors, at regular meetings of the Board, or whenever they may require it, an account of all his transactions as Treasurer and of the financial condition of the Condominium. Owners shall have the right to examine the books of the Association at reasonable times and places.

7. Agreements, Contracts, Deeds, Checks, Etc. All agreements, contracts, deeds, leases, checks, and other instruments of the Condominium for expenditures or obligations shall be executed by any officer of the Condominium or by such other person or persons as may be designated by the Board of Directors.

8. Compensation of Officers. No officer shall receive any compensation from the Condominium for acting as such.

9. Liability of Officers. The provisions of Article III, Section 17, with regard to liability and indemnification of Directors shall apply equally to officers of the Association.

ARTICLE V

OPERATION OF THE PROPERTY

1. Determination of Common Expenses and Assessments Against Owners.

(a) Fiscal Year. The fiscal year of the Condominium shall consist of the twelve (12) month period commencing on January 1 of each year and terminating on December 31

of the same year, except that the first fiscal year shall begin at the date of the organization and terminate on December 31. The fiscal year herein established shall be subject to change by the Board of Directors.

(b) Preparation and Approval of Budget. Each year the Board of Directors shall adopt a budget for the Condominium containing an estimate of the total amount which it considers necessary to pay the cost of maintenance, management, operation, repair, and replacement, and the cost of wages, materials, insurance premiums, services, supplies, and other expenses that may be declared to be Common Expenses by the Condominium Act, the Declaration, these Bylaws or a resolution of the Unit Owners' Association, which will be required during the ensuing fiscal year for the administration, operation, maintenance, and repair of the Property and the rendering to the Owners of all related services. Such budget shall also include such reasonable reserves as the Board of Directors considers necessary to provide, including those specified below. Not later than 30 days after adoption of a proposed budget, the board of directors shall provide to all the unit owners a summary of the budget, including any reserves, and a statement of the basis on which any reserves are calculated and funded. Simultaneously, the board shall set a date not less than 10 days or more than 60 days after providing the summary for a meeting of the unit owners to consider ratification of the budget. Unless at that meeting 2/3 of all unit owners or any larger number specified in the declaration reject the budget, the budget is ratified, whether or not a quorum is present. If a proposed budget is rejected, the budget last ratified by the unit owners continues until the unit owners ratify a subsequent budget. The said budget shall constitute the basis for determining each Owner's contribution for the Common Expenses of the Condominium.

(c) Assessment and Payment of Common Expenses. The total amount of the estimated funds required for the operation of the Property set forth in the budget for the fiscal year adopted by the Board of Directors shall be assessed against each Owner of a completed Unit which has been sold and conveyed, or rented, by the Declarant, and shall be a lien against each Owner's Unit in accordance with the Condominium Act. The assessment shall be the same for each unit, regardless of size. On or before the first day of each fiscal year, and the first day of each of the succeeding eleven (11) months in such fiscal year, each Owner shall be obligated to pay to the Association one-twelfth (1/12th) of the assessment for such fiscal year made pursuant to the foregoing provisions. Within sixty (60) days after the end of each fiscal year, the Board of Directors shall supply to all Owners an itemized income and expense statement for the fiscal year. Any amount accumulated in excess of the amount required for actual expense and budgeted reserves shall, in the discretion of the Board of Directors, either be rebated to the Owners in accordance with each Owner's share of the overall expenses of the Unit Owners' Association by crediting same to the next successive monthly installments due from Owners under the then current fiscal year's budget, until exhausted, or shall be added to reserves. Any net shortage shall, if the Board of Directors deems it advisable, be added according to each Owner's votes in the Unit Owners' Association to the installments due in the succeeding six (6) months after the rendering of the accounting.

Declarant shall pay its full proportional fee for each Unit Declarant owns commencing with the month following the completion of the unit and the issuance of a certificate of occupancy for the unit.

(d) Reserves. The Board of Directors shall build up and maintain both an adequate operating fund and a separate reserve for replacement of the Common Area, which shall be funded by regular monthly payments, as provided for in subsection (c). At the end of the fiscal year, all funds accumulated during such year for reserve to cover replacement of Common Area shall be placed in a separate bank account, segregated from the general operating funds, and used only for such purposes. If for any reasons, including nonpayment of any owner's assessment, the reserves are inadequate, the Board of Directors may at any time levy a further assessment, which shall be assessed against the Owners, and which may be payable in a lump sum or in installments as the Board of Directors may determine. The Board of Directors shall serve notice of any such further assessments on all Owners by a statement in writing giving the amount and reasons therefore, and such further assessment shall, unless otherwise specified in the notice, become effective with the next monthly payment which is due more than ten (10) days after the delivery or mailing of such notice of further assessment. All Owners shall be obligated to pay the adjusted monthly amount or, if the additional assessment is not payable in installments, the amount of such assessments.

If all or any portion of such assessments are not available to the Board prior to the time that the amounts thereof are needed to provide payment of the authorized costs, the Board may borrow such amounts, on behalf of the Association, and may secure such borrowing by assignment of the liens relative thereto arising pursuant to Section 2 of Article XII of these Bylaws.

(e) Effect of Failure to Prepare or Adopt Budget. The failure or delay of the Board of Directors to prepare or adopt the annual budget for any fiscal year shall not constitute a waiver or release in any manner of an Owner's obligation to pay his allocable share of the Common Expenses as herein provided, whenever the same shall be determined, and in the absence of an annual budget or adjusted budget, each owner shall continue to pay the monthly charge at the then existing monthly rate established for the previous fiscal period until ten (10) days after a statement has been mailed or delivered, showing the monthly payment which is due under the new annual or adjusted budget.

2. Payment of Common Expenses. All Owners shall be obligated to pay the Common Expenses assessed by the Board of Directors pursuant to the provisions of Section 1 of this Article V. No Owner may exempt himself from liability for his contribution toward Common Expenses by waiver of the use or enjoyment of any of the Common Area or by abandonment of his Unit. No Owner shall be liable for the payment of any part of the Common Expenses assessed against his Unit subsequent to a sale, transfer, or other conveyance by him of such Unit. The purchaser of a Unit or other acquiring Owner by virtue of any transfer or other conveyance shall be jointly and severally liable with the transferring Owner for all unpaid assessments against the latter for his proportionate share of the Common Expenses up to the time of the conveyance, without prejudice to the acquiring

Owner's right to recover from the transferring Owner the amounts paid by the acquiring Owner.

The acquiring Owner shall be entitled to a recordable statement from the Board of Directors or the Manager setting forth the amount of the unpaid assessments against the transferring Owner and such acquiring Owner shall not be liable for, nor shall the Unit conveyed be subject to a lien for any unpaid assessments in excess of the amount therein set forth. Failure to furnish or make available such request within seven (7) days from receipt of such request shall extinguish the lien for unpaid assessments. Payment of a fee of the maximum allowable under the Condominium Act may be required as a prerequisite for issuance of such a statement.

If a mortgagee of a first mortgage of record or other purchaser of a Condominium Unit obtains title to the Condominium Unit as a result of foreclosure of a first mortgage, or through the enforcement of any other remedies provided for in the mortgage, or by virtue of a deed in lieu of foreclosure, such mortgagee or purchaser, its successors and assigns, shall not be liable for the payment of Common Expenses assessed prior to the acquisition of title to such Unit by mortgagee or purchaser pursuant to the aforesaid remedies, and the Unit shall not be subject to a lien for same. Such unpaid share of Common Expenses assessed prior to the acquisition of title to such Unit by such mortgagee or purchaser pursuant to the aforesaid remedies shall be collectible from all Owners, including the purchaser from a first mortgagee, in proportion to their respective votes in the Unit Owners' Association.

3. Collection of Assessments. The Board of Directors shall take prompt action to collect any assessments for Common Expenses due from any Owner which remain unpaid for more than sixty (60) days from the due date for payment thereof.

4. Uncollectible Assessments. Any assessments which are not collectible due to waiver or limitation imposed by the provisions of Section 2 above, or due to the provisions of Paragraph 5(b) of the Declaration relative to first mortgages, shall be collectible from all Owners, including the purchaser or first mortgagee, in proportion to their respective votes in the Association.

5. Payment of Real Estate Taxes. The real estate taxes due to the City of Dover for each individual Unit along with that Unit's Percentage of Interest in the Common Area shall be the responsibility of each individual Unit Owner and payable when due. Taxes for each Unit are not divisible between the Unit and the Common Area.

6. Maintenance and Repair.

(a) By the Board of Directors. Except as otherwise provided in paragraph (b) below, the Board of Directors operating on behalf of the Unit Owners Association shall be responsible for the maintenance, repair, and replacement (unless necessitated by the negligence, misuse, or neglect of an Owner, or of a person gaining access with said Owner's actual or implied consent, in which case such expense shall be specially assessed to such

Owner), of all the Common Area, whether located inside or outside of the Units, and whether presently existing or hereafter constructed, the cost of which shall be charged as a Common Expense to Owners of Units.

(b) Except for the portions of his Unit required to be maintained, repaired, and replaced by the Board, each Owner shall be responsible for the maintenance, repair, and replacement, at his own expense, of his Unit, and any part thereof. Each Owner shall be responsible for performing normal maintenance for any other Limited Common Area, if any, which is appurtenant to his Unit, including keeping it in clean and sanitary condition and free and clear of snow, ice and any accumulation of water, and shall make, at his own expense all repairs thereto, beyond normal maintenance, caused or necessitated by his negligence, misuse, or neglect. Each Owner shall perform his responsibility in such manner as shall not unreasonably disturb or interfere with the other Owners. Each Owner shall promptly report to the Board, or the Manager, any defects or need for repairs for which the Board is responsible.

(c) Manner of Repair and Replacement. All repairs and replacements shall be substantially similar to the original construction and installation, and shall be of first class quality. The method of approving payment vouchers for all repairs and replacement shall be determined by the Board of Directors.

7. Addition, Alterations, or Improvements by Board of Directors. Whenever in the judgment of the Board of Directors the Common Area shall require additions, alterations, or improvements costing in excess of Five Thousand ($5,000.00) Dollars during any period of twelve (12) consecutive months, and the making of such addition, alterations, or improvements shall have been approved by a Majority of the Owners, the Board of Directors shall proceed with such additions, alterations, or improvements and shall assess all Owners for the cost thereof as a Common Expense. Any additions, alterations, or improvements costing Five Thousand ($5,000.00) Dollars or less during any period of twelve (12) consecutive months may be made by the Board of Directors without the approval of the Owners and the cost thereof shall constitute part of the Common Expenses. Notwithstanding the foregoing, if in the opinion of not less than two-thirds (2/3) of the members of the Board of Directors such additions, alterations, or improvements are exclusively or substantially exclusively for the benefit of a limited number of Owners requesting the same, such requesting Owners shall be assessed therefore in such proportion as they jointly approve or, if they are unable to agree thereon, in such proportions as may be determined by the Board of Directors. No addition, alteration, or improvement shall be made without appropriate permits and approvals by the City of Dover or any of its governmental subdivisions.

If in any of the above cases all or any portion of such assessments are not available to the Board prior to the time that the amounts thereof are needed to provide payment of the authorized costs, the Board may borrow such amounts, on behalf of the Association, and may secure such borrowing by assignment of the liens relative thereto arising pursuant to Section 2 of Article XII of the Bylaws.

8. Additions, Alterations, or Improvements by Owners. No Owner shall make any structural addition, alteration, or improvement in or to his Unit, or to his Limited Common Area, without the prior written consent thereto of the Board. No Owner shall paint, decorate, or otherwise change the external appearance of his Unit, including the doors and windows, or of any exterior surface of the Building, without the prior written consent thereto of the Board. The Board shall be obligated to answer any written request by an Owner for approval of such proposed structural addition, alteration, or improvement or such external change within thirty (30) days after such request, and its failure to do so within the stipulated time shall constitute a consent by the Board to the proposed addition, alteration, or improvement or change. The provisions of this Section 6 shall not apply to Condominium Units owned by the Declarant until such Units have been initially conveyed by the Declarant.

9. Restrictions on Use of Units. To assist the Condominium in providing for congenial occupancy and the protection of the value of the Units, it is necessary that the Board of Directors have the right and authority to exercise reasonable controls over the use of Units. Violation of the following enumerated prohibitions shall not be permitted, and the Board of Directors is hereby authorized to take all steps necessary to prevent or discontinue any violations thereof, all at the expense of the violator:

(a) No advertisements, signs, or posters of any kind shall be posted in or on the Property except as authorized by the Board, provided those authorized advertisements, signs or posters comply with the City of Dover Ordinance, Regulations, and Approvals. This restriction shall not apply to advertisements, signs, or posters utilized by the Declarant, or its agents, in selling or renting the Units.

(b) No clothing, laundry, rugs, or other objects shall be hung, shaken, or thrown from any window or exterior portion of a Unit or otherwise left or placed in such a way to be exposed to public view. All refuse and trash shall be placed in locations specifically designated by the Board, and no garbage or trash shall be permitted to remain in public view.

(c) No animal, other than common household pets with the consent of the Board, shall be kept or maintained on the Property, nor shall common household pets be kept, bred, or maintained for commercial purposes on the property. Pets shall not be permitted outside of Units unless they are accompanied by an adult person and carried or leashed. The Board of Directors may make further provisions in the Rules for the control and regulation of household pets in the Condominium. The Owner of a Unit where a pet is kept or maintained shall be responsible and may be assessed by the Board of Directors for all damages to the Property resulting from the maintenance of said pet, and any costs incurred by the Association in enforcing the Rules prescribed or to be prescribed by the Board of Directors for the control and regulation of pets in the Condominium and each such Owner shall be deemed to indemnify and hold the Board harmless against such loss or liability resulting from said pet.

(d) No nuisance shall be allowed on the Property nor shall any use or practice be allowed which is a source of annoyance to its residents or which interferes with the peaceful

possession or proper use of the Condominium by others. Without limiting the foregoing, no Owner, tenant, occupant, or their guests shall play music or otherwise create noise anywhere within the Condominium, which disturbs any other Owner, tenant, or occupant.

(e) No Owner, tenant, or guest shall allow the installation of wiring for electrical or telephone use, television antennae, air conditioning unit, or other machine or equipment, which protrudes through the wall or the roof of any building or is otherwise visible on the exterior of a building except as presently installed or as authorized by the Board.

(f) No Unit or Common Area of the Condominium may be used for any unlawful, immoral, or improper purpose.

(g) Nothing shall be done in any Unit or on, or to the Common Area which may impair the structural integrity of the Property, or which would structurally change a building or improvements thereon except as provided in the Declaration or these Bylaws. Nothing shall be altered or constructed in or removed from the Common Area, except upon the written consent of the Board of Directors.

(h) Unless authorized by the Board of Directors, no Owner, tenant, or guest shall direct or engage any employee of the Condominium on any private business, nor shall he direct, supervise, or in any manner attempt to assert control over any such employee.

(i) No activity shall be done or maintained in any Unit or upon any Common Area which will increase the rate of insurance on any Unit or the Common Area or result in the cancellation of insurance thereon, unless such activity is first approved in writing by the Board of Directors. No waste shall be committed in the Common Area.

(j) In the use of the Units and the Common Area of the Condominium, Owners shall obey and abide by all valid laws, ordinances, and zoning and other governmental regulations affecting the same and all applicable Rules adopted by the Board. The Common Area shall be used only for the furnishing of the services and facilities for which they are reasonably suited and which are incident to the use and occupancy of the Units.

(k) Each Unit shall be entitled to maintain not more than two (2) vehicles within the Condominium. No service, repairs, or other maintenance shall be performed upon any such automobile or truck within any Common Area or Limited Common Area. Only regular vehicles, properly registered for highway use and driven by a licensed operator, shall be allowed to travel in the Condominium. No "all terrain" vehicles such as dirt bikes or snowmobiles, shall be operated within the Condominium or be considered regular vehicles. Light trucks with a cargo capacity of one ton or less shall be considered regular vehicles. Parking spaces shall not be used for storage, including storage of a bicycle or bicycles. Only "regular vehicles" shall be parked in the parking spaces.

(l) Owners shall be entitled to rent or lease their Unit under the terms of Article VIII, Section 2. The Board may adopt additional Rules, pursuant to Section 11 below, to

govern the leasing of Units, including Rules requiring deposits to pay the cost of any damage to the Condominium. The provisions of RSA 356-B:46-a are adopted as part of these By-Laws. If a unit owner fails to pay the common expenses assessed to his unit by the association within sixty (60) days of the date it was due, the association shall have the right to collect from any tenant renting the unit any rent then or thereafter due to the owner of the unit. The association shall apply such rent collected against the amount owed to it by the unit owner. Prior to taking any action under this paragraph, the association shall give written notice to the delinquent owner of its intent to collect the rent owed. Such notice shall be sent by both first class and certified mail, shall set forth the exact amount the association claims is due and owing by the unit owner, and shall indicate the intent of the association to collect such amount from rent, along with any other amounts which become due within the current fiscal year and which remain unpaid. A copy of this notice shall be provided to any first mortgagee of record on such unit who has previously requested in writing that the association notify it of any delinquency in the payment of amounts due to the association by the owner of such unit. The unit owner shall have thirty (30) days from the date of mailing of the notice to pay the amounts due, including collection costs, or to provide proof of the prior payment of the assessments due. No unit owner shall be entitled to withhold payment of assessments due, off-set against the same, or make any deduction therefrom without first obtaining a determination by a court of competent jurisdiction that the assessment was unlawful. If the owner fails to make a timely response to the notice, the association may notify and direct each tenant renting from such unit owner to pay all or a portion of the rent otherwise due to such owner to the association, such rent or portion of such rent to be in the amount the association claimed is due in the notice, or the full rent, whichever is less. The association shall have the continuing right to collect any rent otherwise payable by the tenant to the unit owner until the amounts due to the association are paid in full.

(m) Except as approved by the Association as an improvement to the Common Area for the benefit of all unit owners, no playground equipment, swing sets, sandboxes, basketball backboards, slides, or climbing towers shall be placed, installed or erected within any Common Area or elsewhere within the Condominium.

10. Rights of Access. An Owner shall grant a right of access to his Unit to the Board of Directors or the Manager, or to any other person authorized by the Board for the purpose of making inspections or for the purpose of correcting any condition originating in his Unit and threatening another Unit or Common Area, or for the purpose of performing installation, alterations, or repairs to the mechanical or electrical services or other Common Area in his Unit, provided that request for entry is at a time reasonably convenient to the Owner. In case of any emergency, such right of entry shall be immediate whether the Owner is present at the time or not.

11. Rules. The Board of Directors may adopt and amend Rules concerning the operation and use of the Units, Limited Common Area, and Common Area, and concerning all other matters within its authority, provided that such Rules are not contrary to or inconsistent with the Condominium Act, the Declaration or these Bylaws. Copies of the Rules shall be furnished by the Board of Directors to each Owner prior to the time when the

same shall become effective. A vote of the majority of the Owners present in person or by proxy at a meeting of the Association may overrule and declare void any rule adopted by the Board; provided that notice of the proposal to overrule shall be included in the notice of such meeting.

ARTICLE VI

INSURANCE

1. Insurance Required. The Board of Directors shall obtain (i) a master casualty policy affording fire and extended coverage on the units and the common area in an amount equal to the full replacement value of the units as well as any structures within the Common Area of the Condominium in the name of the Unit Owners' Association, for the use and the benefit of the individual Owners and their mortgagees; (ii) a master liability policy covering the Association, the Board, the Manager, and agents or employees of the foregoing with respect to the Condominium, and all Owners and other persons entitled to occupy any portion of the Condominium, including what is commonly known as "officers and directors liability" insurance coverage; (iii) fidelity bonds covering the Board, the Unit Owners' Association and any management agent; and (iv) such other policies as specified hereinbelow, which insurance shall be governed by the following provisions to the extent obtainable or possible.

(a) Fire insurance with standard extended coverage endorsement, vandalism, and malicious mischief endorsements insuring the units in the Condominium including without limitation all such portions of the interior of such buildings as are for insurance purposes normally deemed to constitute part of the building and customarily covered by such insurance such as heating and air conditioning and other service machinery, interior walls, all finished wall surfaces, ceiling and floor surfaces including any wall to wall floor coverings, bathroom and kitchen cabinets and fixtures, including appliances which are affixed to the buildings or sold as part of a Unit, heating and lighting fixtures, any other fixtures, equipment, or personal property inside a Unit sold as part of the Unit, and fixtures, building service equipment, and common personal property and supplies belonging to the Unit Owners' Association, but not improvements made by individual Owners which are not reported to the insurer, such insurance to be in an amount at least equal to the replacement value of the buildings including the Units and to be payable to the Board as Trustees for the Owners and their mortgagees as their respective interests may appear. The deductible amount under such insurance shall be no greater than the lesser of Ten Thousand ($10,000.00) Dollars or one (1%) percent of the policy face amount.

(b) Public liability insurance in such amounts as the Board may from time to time determine, but in no event shall the limits of liability be less than One Million Dollars ($1,000,000.00) Dollars for bodily injury and property damage per occurrence, insuring the Association and all individuals referred to in Section 1(ii) above, against any liability to anyone, and with cross liability coverage with respect to liability claims of any one insured thereunder against any other insured thereunder. This insurance, however, shall not insure

against individual liability of an Owner or other person entitled to occupy a Unit for negligence of such Owner or other person occurring within a Unit or within the Limited Common Area to which a Unit has exclusive use.

(c) A master or blanket policy of property insurance covering all the general common elements and limited common elements, including fixtures and building service equipment to the extent that they are part of the common element of the Condominium, as well as common personal property and supplies, and other common personal property belonging to the Owners' Association. Such coverage shall extend to any fixtures, equipment, or other property within the Units which are financed by a mortgage to be purchased by Federal National Mortgage Association (FNMA). The policy shall be in an amount equal to one hundred (100%) percent current replacement cost. The name of the insured under such policies shall be "Court Streete Condominiums Unit Owners' Association". The loss shall be payable to such Association as Trustee for each Unit Owner and each such Owner's mortgagee, if any. Each Unit Owner and such Owner's mortgagee, if any, shall be beneficiaries of the policy in the percentage of common ownership set forth in the Declaration.

(d) Blanket fidelity bonds for the Board, the Association, and any management agent, covering all persons who either handle or are responsible for funds, whether or not they received compensation for their services, in the amount of the greater of (i) the maximum funds that will be in the custody of the Association or management agent at any time, or (ii) the sum of three (3) months' assessments on all Units plus the Association's reserve fund.

(e) Workers' compensation insurance as required by law.

(f) Such other insurance as the Board may determine.

2. General Insurance Provisions.

(a) The Board shall deal with the insurer or insurance agents in connection with the adjusting of all claims covered by insurance policies provided for under Paragraph 1 above and shall review with the insurer or insurance agent, at least annually, the coverage under said policies, said review to include an appraisal of improvements within the Condominium, and shall make any necessary changes in the policy provided for under Paragraph 1(a) above (prior to the expiration date set forth in any agreed amount endorsement contained in said policy) in order to meet the coverage requirements of such Paragraph.

(b) The Board shall be required to make every effort to see that all policies of physical damage insurance provided for under Article VI, Section 1 above: (i) shall contain waivers of subrogation by the insurer as to claims against the Association, its employees and agents, members of the Board, the Manager, Owners, and their guests, licensees, tenants, employees, and members of their family who reside with them, except in cases of arson and

fraud; (ii) shall contain a waiver of defense of invalidity or prejudice on account of the conduct of any of the Owners over which the Association has "no control"; (iii) shall contain a waiver of defense of invalidity or prejudice by failure of the insured, or Owners collectively, to comply with any warranty or condition with regard to any portion of the Condominium over which the insured, or Owners, collectively, have no control; (iv) shall provide that such policies may not be cancelled or substantially modified without at least thirty (30) days written notice to all the insureds thereunder and all first mortgagees of Units in the Condominium; (v) shall provide that the insurance under said policies is primary insurance, and that in no event shall the insurance under said policies be brought into contribution with insurance purchased individually by Owners or their mortgagees; (vi) shall exclude policies obtained by individual Owners for consideration under any "no other insurance" clause; (vii) shall provide that until the expiration of thirty (30) days after the insurer gives notice in writing to the mortgagee of any Unit, the mortgagee's insurance coverage will not be affected or jeopardized by any act or conduct of the Owner of such Unit, the other Owners, Board of Directors, or any of their agents, employees, or household members, nor cancelled for nonpayment of premiums; (viii) shall contain Agreed Amount and Inflation Guard Endorsement, any available Construction Code Endorsement, and Steam Boiler and Machinery Coverage Endorsement; (ix) shall provide that any Insurance Trust Agreement will be recognized; (x) shall include in the "loss payable" clause the Association as Trustee for each Unit Owner and the holders of each Unit's mortgages and (xi) shall contain the standard mortgage clause naming each first mortgagee (or servicer) and "its successors and assigns", and FNMA or FHLMC, if applicable.

(c) The Board shall be required to make every effort to see that all policies of liability insurance provided for under Article VI, Section 1 above: (i) shall cover all common areas, public ways, and any other areas under the supervision of the Association, and any commercial spaces owned by the Association, even if leased to others; (ii) shall provide coverage for bodily injury and property damage resulting from the operation, maintenance, or use of the common Area; (iii) shall provide coverage for any legal liability resulting from lawsuits relating to employment contracts in which the Association is a party; (iv) shall, if they do not include "severability of interest" clauses, provide that no Unit Owner's claim will be denied because of negligent acts of the Association or other Unit Owners; and (v) shall provide that such policies may not be cancelled or substantially modified without at least thirty (30) days' written notice to all of the insureds thereunder and all first mortgagees of Units named in the policies.

(d) The Association's fidelity bond required above should name the Association as obligee. The management agent's required fidelity bond should name the Association as an additional obligee. Both bonds must provide that they may not be cancelled or substantially modified without at least thirty (30) days' written notice of all of the insureds thereunder and all first mortgagees of Units named in the policies.

3. Individual Policies.

(a) Any Owner and any mortgagee may obtain at its own expense additional insurance (including a "condominium unit-owner's endorsement") for improvements and betterments to a Unit made or acquired at the expense of the Owner and not covered under the master casualty policy referred to in Article VI, Section 1(a) above. Such insurance should contain the same waiver of subrogation provision as that set forth in Section 2(b) of this Article VI. It is recommended that each Owner obtain, in addition to the insurance hereinabove provided to be obtained by the Board of Directors, a "Tenant Homeowner's Policy", or equivalent, to insure against the loss or damage to personal property used or incidental to the occupancy of the Unit, additional living expenses, vandalism, or malicious mischief, theft, personal liability, and the like.

No such policy shall be written so as to decrease the coverage under any of the policies obtained by the Board pursuant to Paragraph 1(a) above, and each Owner hereby assigns to the Board, as Trustee for the Owners and their mortgagees, the proceeds of any such policy to the extent that any such policy does in fact result in a decrease in such coverage, said proceeds to be applied pursuant to the terms hereof as if produced by such coverage. Copies of all such policies (except policies covering only personal property, owned or supplied by individual Owners) shall be filed with the Association.

Any such insurance should cover any loss, injury, or damage to persons or to any floor coverings, appliances, and other personal property not covered in the master policy and all improvements to his Unit which exceed a total value of One Thousand ($1,000.00) Dollars and which are not reported to the Board.

(b) Each Owner, prior to commencement of construction of such improvements, shall notify the Board of all improvements to his Unit (except personal property other than fixtures) which exceed a total value of One Thousand ($1,000.00) Dollars and upon receipt of such notice, the Board shall notify the insurer under any policy.

(c) Any such insurance should cover any loss, injury, or damage to persons or to any floor coverings, appliances, and other personal property not covered in the master policy and all improvements to his Unit which exceed a total value of One Thousand ($1,000.00) Dollars and which are not reported to the Board.

(d) Each Owner, prior to commencement of construction of such improvements, shall notify the Board of all improvements to his Unit (except personal property other than fixtures) which exceed a total value of One Thousand ($1,000.00) Dollars and upon receipt of such notice, the Board shall notify the insurer under any policy.

4. Notice to Unit Owners. Excepting such policies as are obtained on behalf of the Association prior to the conveyance of the first Unit in the Condominium, when any policy of insurance has been obtained on behalf of the Association, written notice of the obtainment thereof and of any subsequent changes therein or in such initial policies, or termination thereof shall be promptly furnished to each Unit Owner by the Secretary of the Association. Such Notice shall be sent to all Unit Owners of record at the address of their

respective Units and to such other addresses as any of them may have designated to the Secretary; such notice may be hand delivered by the Secretary or Manager.

ARTICLE VII

REPAIR AND RECONSTRUCTION AFTER FIRE OR OTHER CASUALTY

1. When Repair and Reconstruction are Required. Subject to the provisions of the Declaration, in the event of damage to or destruction of all or part of the Common Area as a result of fire or other casualty, the Board of Directors shall arrange for and supervise the prompt repair and restoration of the damaged or destroyed portion of the Common Area.

(b.) Procedure for Reconstruction and Repair.

(a) Immediately after a fire or other casualty causing damage to any part of the Common Area, the Board of Directors shall obtain reliable and detailed estimates of the cost of repairing and restoring the damage to a condition as good as that existing before such casualty. Such costs may also include professional fees and premiums for such bonds as the Board of Directors determines to be necessary. The Board shall contract such repair and reconstruction and in doing so shall exercise its sole discretion in selecting from among said estimates.

(b) If the proceeds of insurance are not sufficient to defray the said estimated costs of reconstruction and repair, or upon completion of reconstruction and repair, the funds for the payment of the costs thereof are insufficient, assessments in sufficient amounts to provide payment of such costs shall be made against the Owners in proportion to their respective votes in the Unit Owners' Association. If all or any portion of such assessments are not available to the Board prior to the time that the amounts thereof are needed to provide payment of such costs, the Board may borrow such amounts, on behalf of the Association, and may secure such borrowing by assignment of the liens relative thereto arising pursuant to Section 2 of Article XII of these Bylaws.

(c) Any such reconstruction or repair shall be substantially in accordance with the original plans and specifications under which the damaged building was originally constructed.

(d) Encroachments upon or in favor of Units which may be created as a result of such reconstruction or repair shall not constitute a claim or basis for any proceeding or action by the Owner upon whose property such encroachment exists, provided that such reconstruction is substantially in accordance with original plans and specifications under which the damaged building was originally constructed. Such encroachments shall be allowed to continue in existence for so long as the building (as reconstructed) shall stand.

3. Disbursement of Construction Funds.

(a) The net proceeds of insurance collected on account of a casualty and the funds collected by the Board of Directors from assessments against Owners on account of such casualty (or borrowed by the Board as provided in Article VII, Section 2(b) above) shall constitute a construction fund which shall be disbursed in payment of the cost of reconstruction and repair by the Board of Directors.

(b) The construction fund shall be paid by the Board of Directors in appropriate progress payments, to such contractors, suppliers, and personnel engaged in performing the work or supplying materials or services for the repair and reconstruction of the building as are designated by the Board of Directors.

(c) It shall be presumed that the first monies disbursed in payment of the cost of reconstruction and repair shall be from insurance proceeds; and if there is a balance in the construction fund after the payment of all of the cost of the reconstruction and repair for which the fund is established, such balance shall first be applied to any borrowing pursuant to Article VII, Section 2(b) above, and the remainder, if any, shall be distributed to the Owners to repay them for assessments, if any, pursuant to said Article VII, Section 2(b). Otherwise, any remainder shall be added to the reserve for contingencies and replacement of Common Area.

(d) When the damage is to both the Common Area and Units, the insurance proceeds shall, to the extent practical, be applied first to the cost of repairing the Common Area and the balance to the cost of repairing the Units.

ARTICLE VIII

SALES, LEASES, AND MORTGAGES OF UNITS

1. No Severance of Ownership. No Owner shall execute any deed, lease, mortgage, or instrument conveying or mortgaging the title to his Unit without including therein the undivided interest of such Unit in the Common Area, it being the intention hereof to prevent any severance of such combined ownership. Any such deed, lease, mortgage, or other instrument purporting to affect one or more of such interests, without including all such interests, shall be deemed and taken to include the interest or interests so omitted, even though the latter shall not be expressly mentioned or described therein. Except to the extent otherwise expressly provided by the Declaration, these Bylaws or the Condominium Act, the undivided interest in the Common Area allocated to any Unit shall not be altered, and any purported transfer, encumbrances, or other disposition of that interest without the Unit to which it appertains shall be void.

2. Leases. Leases must be in writing, shall be for a minimum term of thirty (30) days , and shall be subject to the requirements of the Condominium Declaration and Bylaws.

A copy of the Declaration and Bylaws shall be available for review by tenants. Tenants shall be provided with copies of any rules or regulations promulgated by the Board of Directors, and shall acknowledge their receipt and acceptance of the terms and conditions therein.

3. Payment of Assessments. No owner shall be permitted to convey, mortgage, sell, lease, give, or devise his Unit unless and until he (or his personal representative) shall have paid in full to the Board of Directors all unpaid Common Expenses theretofore assessed by the Board of Directors with respect to his Unit, and shall have satisfied all unpaid liens with respect to his Unit, except mortgages. Where this provision is satisfied at the time of execution of a mortgage, there shall be no requirement that it again be satisfied at the time of a subsequent foreclosure of such mortgage or deed in lieu of such foreclosure. In the event that the Unit is subject to outstanding assessment previously levied against such Unit, and the acquiring Owner or the transferring Owner requests a recordable statement pursuant to Section 2 of Article V, the statement shall expressly state any waiver of, or failure or refusal to exercise, the right of the Association to prevent the disposition of any Unit, in any case where such waiver, failure, or refusal may exist. Failure or refusal to furnish such a statement as provided in Section 2 shall not only constitute a waiver of such assessment, but also make the above-mentioned prohibition inapplicable to any such disposition of the Unit.

4. Resales. In the event of a resale of a Unit or any interest in a Unit by any persons other than the Declarant, the prospective Buyer shall have the right to obtain from the Association prior to the contract date of the disposition, the following:

(a) A recordable statement setting forth the amount of unpaid assessments currently levied against the Unit. Pursuant to RSA 356-B:46, VIII, the Association may charge Ten ($10.00) Dollars for the issuance of the statement, or the maximum as shall be allowed by statute, whichever is greater.

(b) A statement of any capital expenditures and major maintenance expenditures anticipated by the Association within the current or succeeding two (2) fiscal years.

(c) A statement of the status and amount of any reserve for the major maintenance or replacement fund and any portion of such fund earmarked for any specified project by the Board of Directors.

(d) A copy of the income statement and balance sheet of the Association for the last fiscal year for which such statement is available.

(e) A statement of the status of any pending suits or judgments in which the Association is a party defendant.

(f) A statement setting forth which insurance coverage is provided for all Unit Owners by the Association and what additional insurance coverage would normally be secured by each individual Unit Owner.

(g) A statement that any improvements or alterations made to the Unit, or the Limited Common Area assigned thereto, by the prior Unit Owner, are not known to be in violation of the condominium instruments.

(h) For statements (b) through (c), the Association may charge a total of Twenty Five ($25.00) Dollars for the issuance of the statements, or the maximum as shall be allowed by statute, whichever is greater.

ARTICLE IX

AMENDMENT OF BYLAWS

1. Amendments. Except as otherwise provided in the Condominium Act, the Declaration and herein, these Bylaws may be modified or amended by the procedure, and subject to the limitations set forth in Paragraph 4 of the Declaration. Notwithstanding the foregoing, so long as the Declarant is the Owner of one (1) or more Units, no amendment to the Bylaws or Rules may be adopted which could interfere with the construction, display, sale, lease, or other disposition of such Unit or Units.

2. Recording. A modification or amendment of these Bylaws shall become effective only when it has been duly evidenced in accordance with the provisions of Section 34, IV of the Condominium Act.

3. Conflicts. No modification or amendment of these Bylaws may be adopted which shall be inconsistent with the provisions of the Condominium Act or with the provisions of the Declaration. A modification or amendment once adopted and recorded as provided for herein shall then constitute part of the official Bylaws of the Condominium and all Owners shall be bound to abide by such modification or amendment.

4. Approval of Mortgagees. These Bylaws contain provisions concerning various rights, priorities, remedies, and interests of the mortgagees of Units. Such provisions in these Bylaws are to be construed as covenants for the protection of the mortgagees on which they may rely in making loans secured by mortgagees on the Units. Accordingly, all Eligible Mortgage Holders (as defined in Paragraph 5(a) of the Declaration) shall be given sixty (60) days' notice of all proposed amendments, and no amendment or modification of these Bylaws materially impairing or affecting the rights, priorities, remedies, or interest of such Eligible Mortgage Holders (including the use of a secondary mortgage market, i.e., the salability of mortgages to Mortgage Guaranty Insurance Corporation, Federal National Mortgage Association, Federal Home Loan Mortgage Corporation, etc.) shall be adopted without the prior written consent of at least fifty-one percent (51%) of such mortgagees (based upon votes appurtenant to Units subject to their mortgages).

ARTICLE X

MORTGAGES

1. Notice of Board. An Owner who mortgages his Condominium Unit shall notify the Board of the name and address of all mortgagees. The Board shall maintain suitable records pertaining to such mortgages.

2. Notice of Unpaid Assessments for Common Expense. The Board, whenever so requested in writing by a mortgagee of a Condominium Unit, shall promptly report any then unpaid assessments for Common Expenses due from, or any other default by, the Owner of the mortgaged Condominium Unit.

3. Notice of Default. No suit or other proceeding may be brought to foreclose the lien for any assessment levied pursuant to the Declaration or these Bylaws except after ten (10) days' written notice to the holder of the first mortgage on the Unit which is the subject matter of such suit or proceeding, provided that the Board has been given notice of such mortgage in the manner set forth above and in the Declaration.

ARTICLE XI

NOTICE

1. Manner of Notice. Except as otherwise provided in the Declaration and these Bylaws, all notice, demands, bills, statements, or other communications provided for or required under these Bylaws shall be in writing and shall be deemed to have been duly given if delivered personally or if sent by U.S. Mail, return receipt requested, first class postage prepaid, or by electronic mail (i) if to an Owner, at the address of his Unit, and at such other address as the Owner may have designated by notice in writing to the Secretary, or (ii) if to the Unit Owners' Association, the Board of Directors or the Manager at the principal office of the Manager or at such other address as shall be designated by notice in writing to the Owner pursuant to this Section.

2. Waiver of Notice. Whenever any notice is required to be given under the provisions of the statutes, the Declaration or these Bylaws, a waiver thereof, in writing, signed by the person or persons entitled to such notice, whether signed before or after the time stated therein, shall be deemed equivalent thereof, unless such waiver is ineffective under the provisions of the Condominium Act.

ARTICLE XII

DEFAULT

1. Default. Each Owner shall be governed by, and shall comply with, all of the terms of the Condominium Act, the Declaration, these Bylaws and the Rules, and any amendments of the same. The Board shall give written notice to an Owner of any default by the Owner in the performance of any obligation under the Act, Declaration, Bylaws, or Rules. A default by an Owner shall entitle the Unit Owners' Association acting through the Board of Directors or the Manager, to the following relief:

(a) Legal Proceedings. Failure to comply with any of the terms of the Condominium Act, Declaration, these Bylaws or the Rules shall be grounds for relief, which may include, without limiting the same, an action to recover the sums due, for money damages, injunctive relief, foreclosure of the lien for payment of all assessments, any other relief provided for in these Bylaws, or any combination thereof, and any other relief afforded by a Court of competent jurisdiction, all of which relief may be sought by the Unit Owners' Association, the Board of Directors, the Manager, or if appropriate, by an aggrieved Owner.

(b) Additional Liability. Each Owner shall be liable for the expenses of all maintenance, repair, or replacement rendered necessary by his acts, neglect, or carelessness, or the act, neglect, or carelessness of any member of his family or his tenants, guests, employees, agents, or invitees, but only to the extent that such expense is not covered by the proceeds of insurance carried by the Association. Such liability shall include any increase in fire insurance rates occasioned by use, misuse, occupancy, or abandonment of any Unit or its appurtenances. Nothing contained herein, however, shall be construed as modifying any waiver by an insurance company of its rights of subrogation.

(c) Costs and Attorneys' Fees. In any proceeding arising out of any alleged default by an Owner, the prevailing party shall be entitled to recover the costs of the proceeding, and such reasonable attorneys' fees as may be determined by the Court.

(d) No Waiver of Rights. The failure of the Unit Owners' Association, the Board of Directors, or of an Owner to enforce any right, provision, covenant, or condition which may be granted by the Condominium Act, the Declaration, these Bylaws, or the Rules shall not constitute a waiver of the right of the Association, the Board of Directors, or any Owner to enforce such right, provision, covenant, or condition in the future. All rights, remedies, and privileges granted to the Association, Board of Directors, or any Owner pursuant to any term, provision, covenant, or condition of the Condominium Act, Declaration, these Bylaws, or the Rules shall be deemed to be cumulative, and the exercise of any one or more thereof shall not be deemed to constitute an election of remedies, nor shall it preclude the party exercising the same from exercising such privileges as may be granted to such party by the Condominium Act, Declaration, these Bylaws, or the Rules, or at law or in equity.

(e) Interest. In the event of a default by an Owner which continues for a period in excess of thirty (30) days, such Owner shall be obligated to pay interest on the amounts due at eighteen (18%) percent per annum, from the due date thereof. In addition, the Board of Directors shall have the authority to impose a late payment charge on such defaulting Owner in an amount not to exceed Twenty ($20.00) Dollars or six (6%) percent of any amount so overdue, whichever is greater.

(f) Abatement and Enjoinment of Violations by Owners. The violation of any Rule adopted by the Board of Directors, or the breach of any Bylaw contained herein, or the breach of any provision of the Declaration, shall give the Board of Directors or the Manager the right, in addition to any other rights set forth in these Bylaws: (a) to enter the Unit in which, or as to which, such violation or breach exists and summarily to abate and remove, at

the expense of the defaulting Owner, any structure, thing or condition that may exist therein contrary to the intent and meaning of provisions hereof, and the Board of Directors or Manager shall not thereby be deemed guilty in any manner of trespass (except that this subsection shall not apply to the alteration or demolition of any items of construction); (b) to enjoin, abate, or remedy by appropriate legal proceedings, either at law or in equity, the continuance of any such breach; or (c) to suspend or limit the right of the Owner committing the violation to use any part of the Common Area during he continuance of such violation.

2. Lien for Assessments.

(a) The total annual assessment of each Owner for the Common Expenses of any special assessment levied pursuant to these Bylaws, is hereby declared to be a lien levied against the Unit of such Owner as provided in the Condominium Act (including, without limitation, the priority provisions set forth in Section 46 thereof) which lien shall be effective when perfected in accordance with said Act.

(b) In any case, where an assessment against an Owner is payable in installments, upon a default by such Owner in the payment of any single installment, which continues for ten (10) days after written notice of such default has been sent to the Owner, the maturity of the remaining total of the unpaid installments of such assessments may be accelerated, at the option of the Board of Directors, and the then balance owing may be declared due and payable in full by the service of notice to such effect upon the defaulting Owner by the Board of Directors or Manager. The Association, in order to perfect such lien, shall file before the expiration of six (6) months from the time that the delinquent assessment (or installment, where such assessment is payable in installments) became due and payable, a memorandum in the Strafford County Registry of Deeds in the form and manner prescribed in the said Act.

(c) The lien assessment shall include interest, costs, and attorneys' fees as provided in Section 1 of this Article XII and may be foreclosed in the manner provided by the laws of the State of New Hampshire for the foreclosure of power of sale mortgages (including, without limitation, RSA 479) or by suit brought in the name of the Board of Directors, acting on behalf of the Unit Owners' Association. During the pendency of such proceedings or suit, the Owner shall be required to pay a reasonable rental for any period prior to sale pursuant to any judgment or order of any court having jurisdiction over such sale.

(d) Suits to recover a money judgment for unpaid assessments shall be maintained without foreclosure or waiving the lien securing the same, and foreclosure shall be available without bringing suit to recover a money judgment.

ARTICLE XIII

COMPLIANCE, CONFLICT, AND MISCELOUS PROVISIONS

1. Compliance. These Bylaws are set forth in compliance with the requirements of the Condominium Act.

2. Severability. These Bylaws are set forth to comply with the requirements of the State of New Hampshire. In case any of the Bylaws are in conflict with the provisions of any of its statutes, the provisions of the statutes will apply. If any provisions of these Bylaws or any section, sentence, clause, phrase, or word, or the application thereof in any circumstance is held invalid, the validity of the remainder of these Bylaws, shall not be affected thereby and to this end, the provisions hereof are declared to be severable.

3. Waiver. No provision of these Bylaws shall be deemed to have been abrogated or waived by reason of any failure or failures to enforce the same (except where a right is dependent upon notice to be given within a specified period), irrespective of the number of violations or breaches which may occur.

4. Captions. The captions contained in these Bylaws are for convenience only and are not part of these Bylaws and are not intended in any way to limit or enlarge the terms and provisions of these Bylaws.

5. Gender, Etc. Whenever in these Bylaws the context so requires, the singular number shall include the plural and the converse; and the use of any gender shall be deemed to include all genders.

EXECUTED by Declarant on this ____ day of May, 2024.

5 Sherman Street, LLC, Declarant, By

Robert Baldwin

_____ By: _____
Witness ROBERT BALDWIN, Manager

STATE OF NEW HAMPSHIRE
COUNTY OF STRAFFORD _____, 2024

Personally appeared ROBERT BALDWIN, in his capacity as Member of Knox Marsh Development, LLC and acknowledged the foregoing instrument to be his voluntary act and deed on behalf of the company, before me,

Notary Public
My Commission Expires:

TABLE OF CONTENTS:

SHEET 1 ~ NEIGHBORHOOD PLAN
SHEET 2 ~ PROJECT NOTES
SHEET 3 ~ EXISTING CONDITIONS PLANS
SHEET 4 ~ SITE SPECIFIC SOILS MAP
SHEET 5 ~ TEST PIT DATA
SHEET 6 ~ LOT MERGER PLAN*
SHEET 7 ~ CONDOMINIUM SUBDIVISION PLAN*
SHEET 8 ~ EASEMENT PLAN*
SHEET 9 ~ SITE PLAN
SHEET 10 ~ OVERVIEW GRADING PLAN
SHEET 11 ~ PLAN AND PROFILE SOPHIE DRIVE 2+50 TO 5+44.35
SHEET 12 ~ PLAN AND PROFILE SOPHIE DRIVE EXTENSION CUL-DE-SAC
SHEET 13 ~ RAIN GARDEN WITH INFILTRATION #106 (P-106)
SHEET 14 ~ OVERVIEW UTILITY PLAN
SHEET 15 ~ UTILITY PLAN AND PROFILE SOPHIE DRIVE EXTENSION CUL-DE-SAC
SHEET 16 ~ UTILITY PLAN AND PROFILE EFFLUENT FORCEMAIN EAST
SHEET 17 ~ UTILITY PLAN AND PROFILE EFFLUENT FORCEMAIN SOUTH
SHEET 18 ~ UTILITY PLAN AND PROFILE WATERLINE CONNECTION
SHEET 19 ~ EROSION AND SEDIMENT CONTROL PLAN
SHEET 20 ~ CROSS SECTIONS
SHEET 21 ~ LIGHTING PLAN
SHEET 22 ~ LANDSCAPING PLAN
SHEETS 23-24 ~ EROSION & SEDIMENT CONTROL DETAILS (E-101 - E-102)
SHEETS 25-27 ~ CONSTRUCTION DETAILS (C-101 - C-103)
SHEETS 28-29 ~ DRAINAGE CONSTRUCTION DETAILS (D-101 - D-102)
SHEETS 30-33 ~ UTILITY CONSTRUCTION DETAILS (U-101 - U-104)
SHEET 34 ~ LANDSCAPING CONSTRUCTION DETAILS (L-101)
SHEET 35 ~ WILDLIFE IDENTIFICATION PLAN (W-101)
SHEET 36 ~ TRUCK TURNING TEMPLATES

* INDICATES PLANS ARE TO BE RECORDED AT S.C.R.D.

"SOPHIE DRIVE"
TRANSFER OF DEVELOPMENT RIGHTS
SITE PLAN & LOT MERGER
FOR: KNOX MARSH DEVELOPMENT LLC
LAND OF
5 SHERMAN STREET, LLC
1 COLD SPRINGS ROAD
DOVER, N.H.
TAX MAP H, LOT 47-A

NOTE:

BERRY SURVEYING & ENGINEERING HAS PREPARED AN INSPECTION & MAINTENANCE MANUAL AS PART OF THIS PROJECTS DOCUMENTATION. ALL USERS ARE BOUND TO THIS DOCUMENT AS PART OF THE APPROVAL OF THE PLANNING BOARD. COPIES OF THE YEARLY INSPECTIONS ARE TO BE DELIVERED TO THE CITY OF DOVER COMMUNITY SERVICES DEPARTMENT.

REQUIRED PERMITS:

~ NHDES ALTERATION OF TERRAIN PERMIT	(PENDING)
~ US EPA NOI & SWPPP	(PENDING)
~ NATURAL HERITAGE BUREAU	NHB24-2782
~ NH DIVISION OF HISTORICAL RESOURCES	(PENDING)
~ NHDES SEWER DISCHARGE PERMIT	(PENDING)
~ NHDES DWGB PERMIT	(PENDING)
~ EVERSOURCE WORK ORDER	(PENDING)

OWNER: 5 SHERMAN STREET LLC
242 CENTRAL AVENUE
DOVER, NH 03820

APPLICANT: KNOX MARSH DEVELOPMENT LLC
242 CENTRAL AVENUE
DOVER, NH 03820

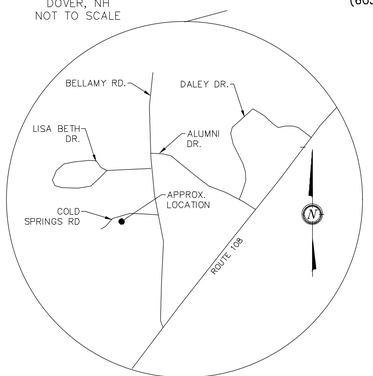
OWNER'S SIGNATURE DATE

SURVEYOR OF RECORD: KENNETH A. BERRY, PE, LLS
CPSWQ, CPESC, CESSWI
BERRY SURVEYING & ENGINEERING
335 SECOND CROWN POINT ROAD
BARRINGTON, NH 03825
(603) 332-2863

ENGINEER OF RECORD: KENNETH A. BERRY, PE, LLS
CPSWQ, CPESC, CESSWI
BERRY SURVEYING & ENGINEERING
335 SECOND CROWN POINT ROAD
BARRINGTON, NH 03825
(603) 332-2863

WETLAND SCIENTIST & SOIL SCIENTIST: JOHN P. HAYES III, CSS, CWS
7 LIMESTONE WAY
NORTH HAMPTON, NH 03862
(603) 205-4396

LOCATION PLAN
DOVER, NH
NOT TO SCALE



VICINITY SKETCH
DOVER, NH
SCALE: 1" = 200' ±



JOHN P. HAYES, III CSS #87

JOHN P. HAYES, III CWS #18

WILDLIFE PROTECTION NOTES (ENV-WQ 1504.17(a):

1.) ALL OBSERVATIONS OF THREATENED OR ENDANGERED SPECIES SHALL BE REPORTED IMMEDIATELY TO THE NEW HAMPSHIRE FISH AND GAME DEPARTMENT NONGAME AND ENDANGERED WILDLIFE ENVIRONMENTAL REVIEW PROGRAM BY PHONE AT 603-271-2461 AND BY EMAIL AT NHFGREVIEW@WILDLIFE.NH.GOV. EMAIL SUBJECT LINE: NHB24-2782, SOPHIE DRIVE, WILDLIFE SPECIES OBSERVATION.

2.) PHOTOGRAPHS OF THE OBSERVED SPECIES AND NEARBY ELEMENTS OF HABITAT OR AREAS OF LAND DISTURBANCE SHALL BE PROVIDED TO NHF&G IN DIGITAL FORMAT AT THE ABOVE EMAIL ADDRESS FOR VERIFICATION AS FEASIBLE.

3.) IN THE EVENT A THREATENED OR ENDANGERED SPECIES IS OBSERVED ON THE PROJECT SITE DURING THE TERM OF THE PERMIT, THE SPECIES SHALL NOT BE DISTURBED, HANDLED, OR HARMED IN ANY WAY PRIOR TO CONSULTATION WITH NHF&G AND IMPLEMENTATION OF CORRECTIVE ACTIONS RECOMMENDED BY NHF&G, IF ANY, TO ASSURE THE PROJECT DOES NOT APPRECIABLY JEOPARDIZE THE CONTINUED EXISTENCE OF THREATENED AND ENDANGERED SPECIES AS DEFINED IN FIS 1002.04

4.) THE NHF&G, INCLUDING ITS EMPLOYEES AND AUTHORIZED AGENTS, SHALL HAVE ACCESS TO THE PROPERTY DURING THE TERM OF THE PERMIT.

WHETHER OR NOT OTHERWISE EXPRESSLY RECITED ON THIS SITE PLAN, THE SITE PLAN APPROVAL GRANTED IS CONDITIONED ON FAITHFUL AND DILIGENT ADHERENCE BY THE OWNER/SUBDIVIDER/DEVELOPER OF ALL TERMS, CONDITIONS, PROVISIONS AND SPECIFICATIONS OF THE CITY OF DOVER LAND SITE PLAN REGULATIONS AS AMENDED OR AS MAY LATER BE AMENDED, IN EFFECT ON THE DATE OF APPROVAL, UNLESS OR EXCEPT INSOFAR AS EXPRESSLY WAIVED, IN ANY PARTICULAR, BELOW. NON - ADHERENCE MAY RESULT IN A REVOCATION OF APPROVAL. ANY VARIATION FROM THE APPROVED PLAN WILL REQUIRE A RESUBMISSION FOR SITE PLAN APPROVAL.

GENERAL PLAN SET NOTES:

1.) 11x17" PLANS ARE TWICE THE PUBLISHED SCALE.

2.) ALL PLANS ARE CONSIDERED TO BE NOT FOR CONSTRUCTION UNLESS THEY CONTAIN THE APPROVAL STAMP OF THE CITY OF DOVER.

APPROVED DOVER

CITY OF DOVER PLANNING FILE #

REVISION	DATE	DESCRIPTION
#1	10-17-24	REVISED UNIT COUNT AND ASSOCIATED MODIFICATIONS

TDR SITE PLAN & LOT MERGER
FOR
KNOX MARSH DEVELOPMENT LLC
LAND OF
5 SHERMAN STREET LLC
1 COLD SPRINGS ROAD
DOVER, N.H.
TAX MAP H, LOT 47-A

BERRY SURVEYING & ENGINEERING
335 SECOND CROWN POINT ROAD
BARRINGTON, NH 03825 (603)332-2863

SCALE : AS NOTED
DATE : SEPTEMBER 1, 2024
FILE NO. : DB 2023 - 126

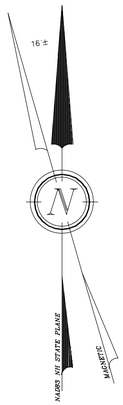
STATE OF NEW HAMPSHIRE
No. 805
KENNETH A. BERRY
LICENSED LAND SURVEYOR
SIGNATURE

STATE OF NEW HAMPSHIRE
KENNETH A. BERRY
No. 14043
LICENSED PROFESSIONAL ENGINEER

NOT FOR CONSTRUCTION

ABBREVIATION LEGEND:

E.O.P.	EDGE OF PAVEMENT
V.G.C.	VERTICAL GRANITE CURB
S.G.C.	SLOPED GRANITE CURB
BITUM.	BITUMINOUS
E.O.P.	EDGE OF PAVEMENT
E.S.H.W.T	ESTIMATE SEASONAL HIGH WATER TABLE
TYP.	TYPICAL
U.G.E.	UNDER GROUND ELECTRIC / UTILITY
U.D.	UNDER DRAIN
INV.	INVERT
ELEV.	ELEVATION
F.E.S.	FLARED END SECTION
HDPE	HIGH DENSITY POLYETHYLENE
RECB	ROLLED EROSION CONTROL BLANKET
F.G.	FINISHED GRADE
E.G.	EXISTING GRADE
E.T.W.	EDGE OF TRAVELED WAY
T.B.R.	TO BE REMOVED
PL	PROPERTY LINE
EL	EASEMENT LINE
CL	CENTER LINE
CF	CUBIC FEET
P.C.	POINT OF CURVATURE
P.T.	POINT OF TANGENCY
P.V.C.	POINT OF VERTICAL CURVE
P.V.I.	POINT OF VERTICAL INTERSECTION
P.V.T.	POINT OF VERTICAL TANGENCY
EX.	EXISTING
PROP.	PROPOSED
STA.	STATION
'/,	FEET / FEET

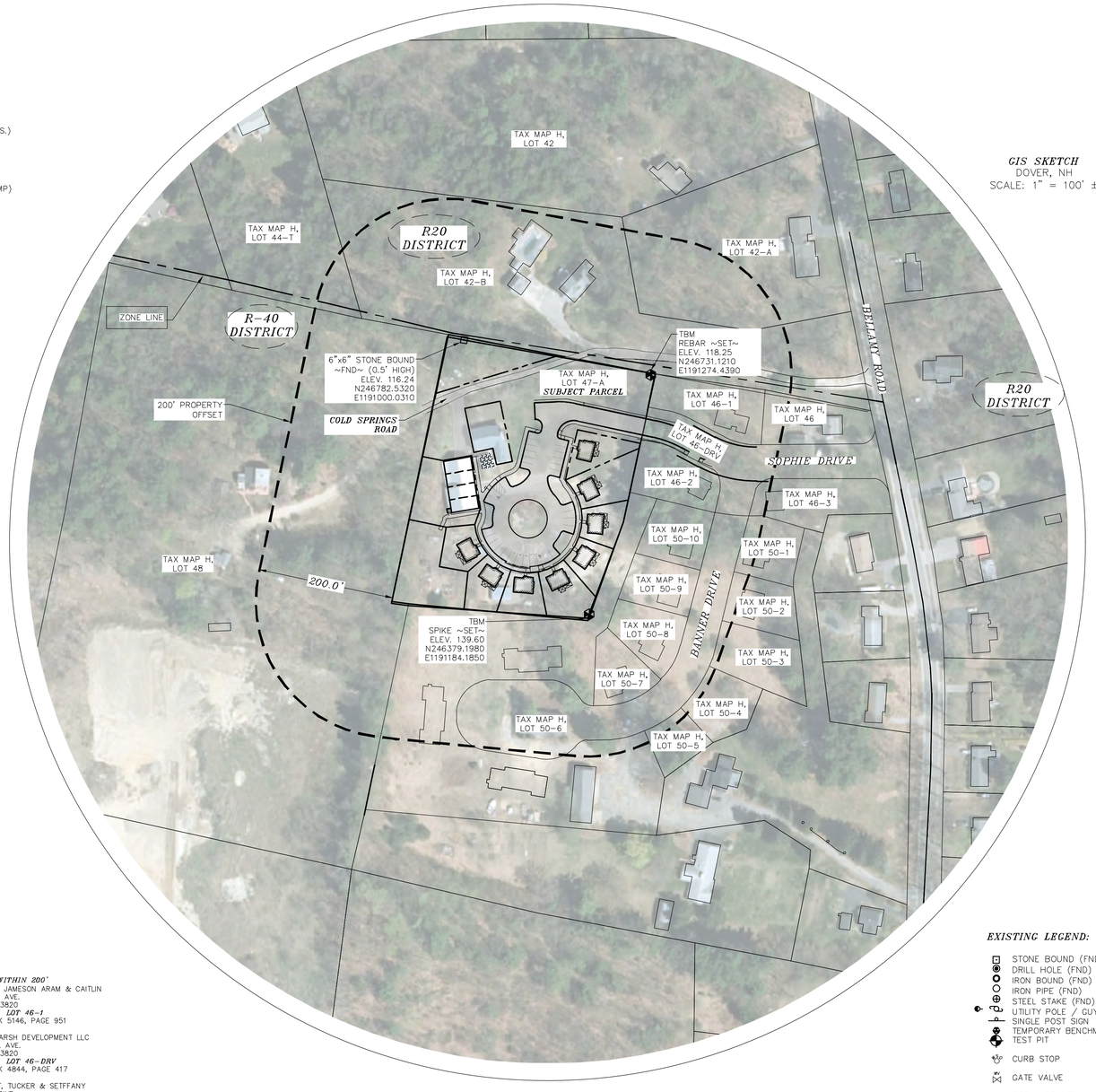


PROPOSED LEGEND:

- 3/4" REBAR W/ ID CAP ~TBS~
- 1/2" REBAR W/EASEMENT CAP ~TBS~
- E101 / E6 — DETAIL SHEET / DETAIL
- P176 / P175 — CONTOUR MINOR, PROPOSED; CONTOUR MAJOR, PROPOSED
- ROAD CENTERLINE
- SHOULDER
- D — DRAIN CULVERT W/ FLARED END SECTION (F.E.S.); GUARD RAIL
- RIP RAP
- STORMWATER BEST MANAGEMENT PRACTICE (BMP)
- BERM
- RETAINING WALL
- DRAIN MANHOLE W/STRUCTURE
- CATCH BASIN W/ STRUCTURE
- UGE — TRANSFORMER / J.BOX; UNDERGROUND UTILITY
- GATE VALVE; CURB STOP; FIRE HYDRANT; THRUST BLOCKS
- LAMP "A" POLE MOUNTED 20' HIGH
- LAMP "B" POLE MOUNTED 16.5' HIGH
- LAMP "C" BUILDING MOUNTED 12' HIGH
- LAMP "D" BUILDING MOUNTED 7' HIGH
- LAMP "E" BUILDING MOUNTED 3.5' HIGH
- S — TERMINAL FLUSHING MANHOLE W/ STRUCTURE
- W; WS; FM — PROPOSED WATER MAIN LINE; PROPOSED WATER SERVICE; PROPOSED EFFLUENT FORCEMAIN
- SS — PROPOSED GRAVITY SEWER SERVICE
- E175.31 / F175.31 — EXISTING SPOT GRADE; PROPOSED SPOT GRADE
- FLOW ARROW
- SAW CUT & MILL
- SF — SILT FENCE / EROSION MIX BERM
- SS — FILTREXX 8" ~ 12" SILT SOXX AS SPECIFIED
- P/C — PERIMETER CONTROL (SEE E-101)
- C — CONSTRUCTION FENCE
- SNOW STORAGE
- RECREATION AREA

{ } SSL ( ) ~ {SIZE} SINGLE SOLID LINE (COLOR W=WHITE, Y=YELLOW)
{ } DSL ( ) ~ {SIZE} DOUBLE SOLID LINE (COLOR W=WHITE, Y=YELLOW)
{ } SSB ( ) ~ {SIZE} SINGLE SOLID W/ BROKEN LINE (COLOR W=WHITE, Y=YELLOW)
{ } SBL ( ) ~ {SIZE} SINGLE BROKEN LINE (COLOR W=WHITE, Y=YELLOW)
{ } DBL ( ) ~ {SIZE} DOUBLE BROKEN LINE (COLOR W=WHITE, Y=YELLOW)

SIGN ID NUMBER	SIGN SIZE (WIDTH x HEIGHT)	SIGN	TEXT DIMENSIONS	NO. OF SIGNS	BACKGROUND	LEGEND	BORDER	POST SIZE & QUANTITY
R2-1	24"x30"	SPEED LIMIT 25	SEE STANDARD HIGHWAY SIGNS 2004 EDITION PUBLISHED BY USDOT – FHWA	1	WHITE	GREEN	GREEN	U-CHANNEL (1)
R6-1R	36"x12"	ONE WAY	SEE STANDARD HIGHWAY SIGNS 2004 EDITION PUBLISHED BY USDOT – FHWA	1	BLACK W/ WHITE ARROW	BLACK	WHITE	U-CHANNEL (1)
R8-31	24"x30"	NO PARKING FIRE LANE	SEE STANDARD HIGHWAY SIGNS 2004 EDITION PUBLISHED BY USDOT – FHWA	3	WHITE	BLACK	BLACK	U-CHANNEL (3)
W14-2	30"x30"	NO OUTLET	SEE STANDARD HIGHWAY SIGNS 2004 EDITION PUBLISHED BY USDOT – FHWA	1	YELLOW	BLACK	BLACK	U-CHANNEL (1)
R7-8	12"x18"	RESERVED PARKING	SEE STANDARD HIGHWAY SIGNS 2004 EDITION PUBLISHED BY USDOT – FHWA	2	WHITE	GREEN W/ WHITE SYMBOL ON BLUE	RED	U-CHANNEL (3)
R7-8a	12"x6"	VAN ACCESSIBLE	SEE STANDARD HIGHWAY SIGNS 2004 EDITION PUBLISHED BY USDOT – FHWA	2	WHITE	GREEN	GREEN	U-CHANNEL (0)
D9-11b	24"x24"		SEE STANDARD HIGHWAY SIGNS 2004 EDITION PUBLISHED BY USDOT – FHWA	1	BLUE	WHITE	WHITE	U-CHANNEL (1)
D9-11b CUSTOM	24"x30"	ASSISTANCE IN CHARGE USE LAST	SEE STANDARD HIGHWAY SIGNS 2004 EDITION PUBLISHED BY USDOT – FHWA	1	BLUE	WHITE	WHITE	U-CHANNEL (5)
	4"x4"	BIORETENTION SYSTEM	SEE STANDARD HIGHWAY SIGNS 2004 EDITION PUBLISHED BY USDOT – FHWA	2	GREEN	WHITE	WHITE	U-CHANNEL (2)



GIS SKETCH
DOVER, NH
SCALE: 1" = 100' ±

ABUTTERS WITHIN 200'

N/F LASSOR, JAMESON ARAM & CAITLIN
100 CENTRAL AVE.
DOVER, NH 03820
TAX MAP H, LOT 46-1
S.C.R.D. BOOK 5146, PAGE 951

N/F KNOX MARSH DEVELOPMENT LLC
242 CENTRAL AVE.
DOVER, NH 03820
TAX MAP H, LOT 46-DRV
S.C.R.D. BOOK 4844, PAGE 417

N/F GALLANT, TUCKER & SETFFANY
10 SOPHIE DRIVE
DOVER, NH 03820
TAX MAP H, LOT 46-2
S.C.R.D. BOOK 5147, PAGE 297

N/F DOVE DEVELOPMENT GROUP LLC
242 CENTRAL AVE.
DOVER, NH 03820
TAX MAP H, LOT 50-6
S.C.R.D. BOOK 4992, PAGE 70

N/F INVICTUS HOLDINGS LLC
C/O SUMMIT LAND DEVELOPMENT LLC
340 CENTRAL AVE. STE. 202
DOVER, NH 03820
TAX MAP H, LOT 48
S.C.R.D. BOOK 4475, PAGE 717

N/F WEIDMANN, FREDDY R. & ELIZABETH A.
47 BELLAMY ROAD
DOVER, NH 03820
TAX MAP H, LOT 42-B
S.C.R.D. BOOK 2780, PAGE 846

N/F LOUGHLIN, RYAN M. & CATHERINE
43 LISA BETH CIRCLE
DOVER, NH 03820
TAX MAP H, LOT 44-T
S.C.R.D. BOOK 5096, PAGE 508

ABUTTERS WITHIN 200' CONT.:

N/F HOWARD, KEITH M. & TOWLE, DIENNE M.
43 BELLAMY ROAD
DOVER, NH 03820
TAX MAP H, LOT 42
S.C.R.D. BOOK 3156, PAGE 519

N/F HOWARD, KAREN M, TRUSTEE
THE KAREN M. HOWARD REV LIVING TRUST
45 BELLAMY ROAD
DOVER, NH 03820
TAX MAP H, LOT 42-A
S.C.R.D. BOOK 5010, PAGE 317

N/F KNOX MARSH DEVELOPMENT LLC
242 CENTRAL AVE.
DOVER, NH 03820
TAX MAP H, LOT 46
S.C.R.D. BOOK 4844, PAGE 417

N/F ROSSI, CHRISTOPHER T. &
BAU, CHRISTIANA
6 SOPHIE DRIVE
JDOVER, NH 03820
TAX MAP H, LOT 46-3
S.C.R.D. BOOK 5149, PAGE 322

ABUTTERS WITHIN 200' CONT.:

N/F STAHRE, VICTORIA L.
12 SULLIVAN FALLS ROAD
DURHAM, NH 03824
TAX MAP H, LOT 50-10
S.C.R.D. BOOK 5201, PAGE 889

N/F 5 SHERMAN STREET LLC
242 CENTRAL AVE.
DOVER, NH 03820
TAX MAP H, LOT 50-1, 50-2, 50-3 50-4, 50-5, 50-7, 50-8 & 50-9
S.C.R.D. BOOK 5178, PAGE 407

EXISTING LEGEND:

- STONE BOUND (FND)
- DRILL HOLE (FND)
- IRON BOUND (FND)
- IRON PIPE (FND)
- STEEL STAKE (FND)
- UTILITY POLE / GUY WIRE
- SINGLE POST SIGN
- TEMPORARY BENCHMARK
- TEST PIT
- CURB STOP
- GATE VALVE
- FIRE HYDRANT
- CB — CATCH BASIN
- S — SEWER MANHOLE
- >20% SLOPES
- STONE WALL
- ABUTTING PROPERTY LINE
- BUILDING SETBACK LINE
- EWL — EXISTING WATER LINE
- S — EXISTING SEWER LINE
- D — EXISTING DRAIN LINE
- OHU — OVERHEAD UTILITIES
- 116 — EXISTING CONTOUR MINOR
- 115 — EXISTING CONTOUR MAJOR
- EXISTING TREELINE
- WDA — NRCS SOIL LINE/LABEL

FND FOUND
TYP TYPICAL
S.C.R.D. STRAFFORD COUNTY REGISTRY OF DEEDS
S.G.C SLOPED GRANITE CURB

CITY OF DOVER PLANNING FILE #

REVISION	DATE	DESCRIPTION
#1	10-17-24	REVISED UNIT COUNT AND ASSOCIATED MODIFICATIONS

NEIGHBORHOOD PLAN
FOR
KNOX MARSH DEVELOPMENT LLC
LAND OF
5 SHERMAN STREET LLC
1 COLD SPRINGS ROAD
DOVER, N.H.
TAX MAP H, LOT 47-A

BERRY SURVEYING & ENGINEERING
335 SECOND CROWN POINT ROAD
BARRINGTON, NH 03825 (603)332-2863

SCALE : AS SHOWN
DATE : SEPTEMBER 1, 2024
FILE NO. : DB 2023 – 126

STATE OF NEW HAMPSHIRE
KENNETH A. BERRY
No. 14241
LICENSED PROFESSIONAL ENGINEER

NOT FOR CONSTRUCTION

NOTES:

1.) OWNER: 5 SHERMAN STREET LLC
242 CENTRAL AVE.
DOVER, NH 03820
ROBERT BALDWIN MANAGING MEMBER

APPLICANT: KNOX MARSH DEVELOPMENT LLC
242 CENTRAL AVE
DOVER, NH 03820
ROBERT BALDWIN MANAGING MEMBER

2.) TAX MAP H, LOT 47–A

3.) S.C.R.D. BOOK 5190, PAGE 597

4.) LOT AREA: 117,854 Sq. Ft., 2.71 Ac.

5.) OWNER: KNOX MARSH DEVELOPMENT LLC (LOT MERGER ONLY)
242 CENTRAL AVE
DOVER, NH 03820
ROBERT BALDWIN MANAGING MEMBER

6.) TAX MAP H, LOT 46–DRV

7.) S.C.R.D. BOOK 4844, PAGE 417

8.) LOT AREA: 18,096 Sq. Ft., 0.42 Ac.

9.) ZONING R–40 (RURAL RESIDENTIAL)
SETBACKS:
FRONT ~ 40'
SIDE ~ 25'
REAR ~ 30'
MIN. LOT SIZE: 40,000 Sq. Ft.
MIN. FRONTAGE: 150'
MAX. LOT COVERAGE: 10%
MAX. BUILDING HEIGHT: 35'

ZONING: TRANSFER OF DEVELOPMENT RIGHTS (TDR) (% FUNCTION OF LOT MERGER)

REQUIRED:	PROVIDED:
LOT SIZE: N/A Sq. Ft.	(135,950 Sq.Ft.)
MAX. LOT COVERAGE: N/A	(11.16%)
MINIMUM FRONTAGE: 40'	(±225' COLD SPRINGS ROAD PVT.)
ABUT A STREET SETBACK: 20'	(+20')
ABUT A SIDE LOT LINE: 10'	(+10')
ABUT A REAR LOT LINE: 30'	(+30')
30' EXTERIOR BUFFER	(TDR RELIEF SOUGHT TO USE TDR SETBACKS)

10.) THE INTENT OF THIS PLAN IS TO REDEVELOP THE EXISTING PARCEL, WHICH CONTAINS 1 SINGLE FAMILY HOME, USING CHAPTER 170–27.2 (TRANSFER OF DEVELOPMENT RIGHTS), TO CREATE A NEIGHBORHOOD WITH 7 SINGLE FAMILY HOMES AND 1 FOUR UNIT BUILDINGS FOR A TOTAL OF 13 PROPOSED UNITS.

11.) I HEREBY CERTIFY THAT, TO THE BEST OF MY KNOWLEDGE AND BELIEF, THIS PROPERTY DOES NOT FALL WITHIN THE FLOOD PLAIN FLOOD HAZARD REF: FEMA COMMUNITY #330145, MAP 33017C0310E, DATED: SEPTEMBER 30, 2015.

12.) VERTICAL DATUM BASED ON NAVD88 ELEVATIONS. HORIZONTAL DATUM BASED ON NAD83 STATE PLANE. COORDINATES GATHERED USING CARLSON BRX7 SURVEY GRADE GPS RECEIVERS.

13.) THE BOUNDARY LINES SHOWN ON THIS PLAN ARE THE RESULT OF A CLOSED TRAVERSE PERFORMED BY THIS OFFICE IN DECEMBER 2023 WITH AN ERROR OF CLOSURE BETTER THAN 1 PART IN 10,000.

14.) TOPOGRAPHY PROVIDED IS DEMARCATED AT 1' INTERVALS, AND IS THE RESULT OF A FIELD SURVEY PERFORMED IN DECEMBER 2023 UNDER NO SNOW CONDITIONS.

15.) THIS SITE IS SERVICED BY MUNICIPAL SEWER AND WATER, HOWEVER CURRENTLY CONTAINS AND UTILIZES AN EXISTING EFFLUENT DISPOSAL SYSTEM AND WELL.

16.) WETLANDS WERE DELINEATED BY JOHN P. HAYES, CERTIFIED WETLANDS SCIENTIST, IN ACCORDANCE WITH CHAPTER 170–27.1 OF THE ZONING ORDINANCE, IN FEBRUARY OF 2024. NO WETLANDS WERE FOUND ON SITE.

17.) LIST ANY VARIANCES OR SPECIAL EXCEPTIONS GRANTED BY THE ZONING BOARD OF ADJUSTMENT OR CONDITIONAL USE PERMITS GRANTED BY THE PLANNING BOARD FOR THE PROPOSED USE OR STRUCTURE, INCLUDING THE CASE NUMBER AND DATE OF DECISION AND ANY CONDITIONS:
NONE KNOWN TO THE APPLICANT OR PUBLISHED ON THE CITY OF DOVER PUBLIC INFORMATION GIS.

18.) AS–BUILT PLANS OF THE SUBDIVISION SHALL BE SUBMITTED ON PAPER AND IN DIGITAL FORMAT AUTOCAD DWG, AUTOCAD DXF OR ESRI FORMAT TO THE CITY OF DOVER ENGINEER'S OFFICE UPON COMPLETION OF PROJECT. AS–BUILT PLANS SHALL BE PREPARED AND CERTIFIED CORRECT BY A L.L.S. OR P.E. DIGITAL FILES SHALL BE GEO–REFERENCED TO NEW HAMPSHIRE STATE PLANE COORDINATES NAD83 AND SHALL BE EXPRESSED IN FEET.

19.) THE INSTALLATION OF ELECTRIC POWER, CABLE TELEVISION AND TELEPHONE LINES SHALL BE UNDERGROUND THROUGHOUT THE SITE PROPOSED. OVERHEAD POWER WILL BE PROVIDED TO A POTENTIAL DROP POLE.

20.) ALL CONSTRUCTION SHALL CONFORM WITH THE STATE OF NEW HAMPSHIRE DEPARTMENT OF TRANSPORTATION (NHDOT) "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION 2016" AND WITH THE CITY OF DOVER COMMUNITY SERVICES REGULATIONS AND STANDARD SPECIFICATION FOR CONSTRUCTION. THE MORE STRINGENT SPECIFICATION SHALL APPLY.

21.) ALL EROSION CONTROL NOTES SHALL INCLUDE PROVISIONS FOR CONSTRUCTION SEQUENCING, TEMPORARY EROSION CONTROL MEASURES, AND PERMANENT STANDARDS SUCH AS LOAM SPREAD RATE FOR DISTURBED AREAS, RATES OF LIME, TYPE AND RATES FOR FERTILIZER, AND SEED AND MULCH MIXTURE WITH RATES OF APPLICATION.

22.) THE LIMITS OF CONSTRUCTION DISTURBANCE THAT ARE LOCATED IN OR WITHIN THE 50 FT. OF CONSERVATION AND WETLAND DISTRICTS SHALL BE STAKED, FLAGGED AND CLEARLY IDENTIFIED PRIOR ANY EARTH DISTURBING ACTIVITY OCCURS: (NO 50' BUFFERS ON SITE SO NOT APPLICABLE FOR THIS PROJECT.)

23.) ALL TREATMENT SWALES TO BE CONSTRUCTED SHALL HAVE SOD BOTTOMS. (NOT APPLICABLE)

24.) A LETTER OF CREDIT FOR THE COST OF RE–VEGETATING ALL DISTURBED AREAS ON THE SITE SHALL BE SUBMITTED, AND THE APPROVED CONSTRUCTION SIGN INSTALLED PRIOR TO ANY EARTH DISTURBING ACTIVITY OCCURS. THE PROPOSED PROJECT WILL CONSIST OF ONE PHASE AND WILL DISTURB 101,150 Sq.Ft. 2.32 Ac..

25.) A PRE–CONSTRUCTION CONFERENCE WITH THE DEVELOPER, THE DESIGN ENGINEER, THE EARTHWORK CONTRACTOR AND THE CITY ENGINEER SHALL OCCUR PRIOR TO ANY EARTH DISTURBING ACTIVITY.

26.) THE SITE CONSTRUCTION HOURS SHALL BE LIMITED TO MONDAY–FRIDAY 7AM–6PM, NO SATURDAY & NO SUNDAY, OR FEDERAL HOLIDAY HOURS. HOURS OF CONSTRUCTION SHALL BE DOCUMENTED ON A SITE CONSTRUCTION SIGN ALONG WITH THE CONTACT INFORMATION FOR THE GENERAL CONTRACTOR. THE PROJECT SIGN SHALL INDICATE THE ROAD IS PROPOSED TO BE PRIVATE AND SHALL RECEIVE NO CITY SERVICES.

27.) BUILDING ADDRESSES SHALL BE ASSIGNED BY THE BUILDING OFFICIAL AT THE TIME OF ISSUANCE OF A BUILDING PERMIT.

28.) THE PROPOSED USE FOR THE SITE IS FOR THE 1 EXISTING SINGLE HOME TO REMAIN, 8 NEW SINGLE FAMILY HOMES TO BE CONSTRUCTED, AND 1 EXISTING STRUCTURE TO BE CONVERTED TO A 4–UNIT BUILDING.

29.) THE FOLLOWING FEDERAL AND STATE PERMITS HAVE BEEN ISSUED FOR THE SUBJECT PROPERTY:
NHDES ALTERATION OF TERRAIN PERMIT:
NHDES SEWER DISCHARGE PERMIT:
EPA NOTICE OF INTENT/SWPPP (NOI):
DIVISION OF HISTORICAL RESOURCES:
NATURAL HERITAGE BUREAU:

30.) COMMERCIAL VEHICLE ROUTE DURING CONSTRUCTION SHALL CONFORM TO DOVER CITY CODE OR BE COORDINATED WITH THE COMMUNITY SERVICES DIRECTOR.

31.) ANY RETAINING WALL TALLER THAN FOUR FEET (4') REQUIRES ISSUANCE OF A BUILDING PERMIT FROM INSPECTION SERVICES.

32.) ANY FENCE TALLER THAN SEVEN FEET (7') REQUIRES THE ISSUANCE OF A BUILDING PERMIT FROM INSPECTION SERVICES.

33.) THE OWNER OF RECORD SHALL RECORD AT THE REGISTRY OF DEEDS DOCUMENTATION SUFFICIENT TO PROVIDE NOTICE TO ALL PERSONS/ENTITIES THAT MAY ACQUIRE ANY PROPERTY SUBJECT TO THE REQUIREMENTS AND RESPONSIBILITIES DESCRIBED IN THE APPROVED STORMWATER MANAGEMENT PLAN. THE NOTICE SHALL COMPLY WITH THE APPLICABLE REQUIREMENTS FOR RECORDING CONTAINED IN RSA 477 AND 478. THE NOTICE NEED NOT SET FORTH THE REQUIREMENTS AT LENGTH, SO LONG AS IT IS SUFFICIENT TO PROVIDE NOTICE TO PROSPECTIVE PURCHASERS TO THE REQUIREMENTS FOR MAINTENANCE AND REPORTING.

34.) FIRE DEPARTMENT ACCESS ROADS SHALL BE INSTALLED AND MAINTAINED TO SUPPORT THE IMPOSED LOADS OF FIRE APPARATUS IN ALL WEATHER CONDITIONS AT ALL TIMES.

35.) EXTERIOR LIGHTING SHALL BE CUT–OFF TYPE FIXTURES PER CHAPTER 153–14–E AND SHALL PROVIDE LIGHTING DIRECTED ON–SITE ONLY.

36.) APPROVED BACKFLOW PREVENTERS SHALL BE PROVIDED FOR DOMESTIC WATER LINES.

37.) SITE IS TO COMPLY WITH NFPA 1 CHAPTER 18.

NOTES CONTINUED:

38.) SOPHIE DRIVE WAS INNITIALLY PROPOSED AND CONTINUES TO BE PROPOSED TO BE PRIVATE. REFER TO THE DEVELOPMENT AGREEMENT FOR ROAD & DRAINAGE RESPONSIBILITIES. SOPHIE DRIVE WILL ALWAYS BE PRIVATE AND WILL NEVER BE ACCEPTED BY THE CITY OF DOVER.

39.) APPLICANT SHALL COMPLETE LAND USE DEVELOPMENT TRACKING FORM, MOST RECENTLY REVISED VERSION, UTILIZING THE ONLINE POLLUTION TRACKING AND ACCOUNTING PILOT PROJECT (PTAPP) PORTAL. **HTTPS://WWW.UNH.EDU/UNHSC/PTAPP**

40.) THE 4–UNIT STRUCTURE SHALL BE SERVED BY A SPRINKLER SYSTEM AS APPLICABLE TO DOVER CHAPTER 81–30 AND THE NH BUILDING AND FIRE CODES.

41.) SPRINKLER CONNECTIONS MUST BE FLUSHED IN ACCORDANCE WITH NFPA 24 AND A CONTRACTOR'S MATERIAL AND TEST CERTIFICATE FOR UNDERGROUND PIPING FORM MUST BE COMPLETED AND APPROVED BY INSPECTION SERVICES PRIOR TO CONNECTION OF THE BACKFLOW DEVICE.

42.) FIRE DEPARTMENT CONNECTION(S), IF REQUIRED BY THE SPECIFIC SYSTEM, SHALL BE LOCATED ON THE STREET SIDE OF THE BUILDING PER NFPA 13. ACCESS TO THE FDC SHALL MAINTAIN A CLEAR AND UNOBSTRUCTED PATH AT ALL TIMES.

43.) THE SITE LAYOUT IS DESIGNED IN COMPLIANCE WITH APPLICABLE ACCESSIBILITY REGULATIONS. THE PROPOSED STRUCTURE WILL ALSO BE DESIGNED IN ACCORDANCE WITH APPLICABLE ACCESSIBILITY REGULATIONS (I.E. IBC, ANSI–117.1) AND NH RSA 155–A:5.

44.) PRIVATE TRASH PICKUP WILL BE DONE THROUGH THE USE OF TOTTERS ON PADS, WITH SCREENING, AND WILL BE COLLECTED THROUGH A PRIVATE WASTE PICK UP COMPANY.

45.) HEATING & COOLING FOR PROPOSED UNITS IS TO BE DONE VIA MINI–SPLITS WITH PAD MOUNTED HEAT PUMPS.

46.) THE BUILDINGS ARE DESIGNED AS SLAB ON GRADE CONSTRUCTION WITH STANDARD 4' FROST WALLS. FULL FOUNDATIONS ARE ASSUMED FOR THE SINGLE FAMILY HOMES. SUMP PUMPS ARE REQUIRED DUE TO LACK OF PROPER ELEVATION FOR DAYLIGHT DRAINAGE.

47.) PROJECT DISTURBANCE: TOTAL 101,150 Sq. Ft. (2.32 Ac.) NOTE THAT THE PROJECT IS SUBJECT TO THE EPA NPDES PHASE II. THE NOTICE OF INTENT (NOI) MUST BE FILED ALONG WITH A STORMWATER POLLUTION PREVENTION PLAN (SWPPP), EROSION AND SEDIMENT CONTROL INSPECTIONS TO BE CONDUCTED ONCE PER EVERY SEVEN DAYS AND AT AN INCREASED FREQUENCY INCLUDING WITHIN 24–HOURS OF A 0.25 INCH RAIN EVENT. INSPECTIONS TO BE CONDUCTED BY A "QUALIFIED PERSON" AS DEFINED BY EPA CGP 4.1.1 AND INSPECTION REPORTS SUBMITTED TO THE CITY OF DOVER, NH, ENGINEERING DEPARTMENT WITHIN 24 HOURS IN ACCORDANCE WITH CGP 4.1.7 AND MAINTAINED BY THE OWNER FOR A PERIOD OF THREE YEARS AFTER THE PROJECT IS COMPLETED. SEE ALSO CITY OF DOVER ADDITIONAL INSPECTION REQUIREMENTS BELOW.

48.) EXISTING BUILDING COVERAGE AREA: 5,364 Sq.Ft., (3.95%) (PERCENTAGES ARE FUNCTION OF LOT MERGER, 135,950 Sq. Ft., 3.12 Ac.)
EXISTING IMPERVIOUS AREA: 16,888 Sq. Ft. (12.41%) (INCLUDES SOPHIE DRIVE)
EXISTING IMPERVIOUS AREA/LOT COVERAGE 22,250 Sq.Ft., (16.37%)

PROPOSED BUILDING IMPERVIOUS AREA: 13,153 Sq. Ft. (11.16%)
PROPOSED ROAD EXPANSION: 19,893 Sq. Ft. (14.6%)
PROPOSED IMPERVIOUS AREA (CURB, WALKS, EX. GRAVEL DRIVEWAY & COLD SPRINGS ROAD): 10,068 Sq. Ft. (7.41%)
TOTAL PROPOSED IMPERVIOUS COVER: 43,114 Sq. Ft. (31.71%)

49.) THREE (3) EV PARKING SPACES ARE REQUIRED, THREE (3) ARE PROVIDED.

50.) THE OWNERS AND THEIR SUCCESSORS ARE RESPONSIBLE FOR THE LIFETIME MAINTENANCE OF ALL BUFFERING AND INTERNAL LANDSCAPING.

51.) THE PERIMETER BOUNDARY WILL BE STAKED OUT BY BERRY SURVEYING & ENGINEERING PRIOR TO THE START OF CONSTRUCTION.

52.) THE APPLICANT IS TO PROVIDE SURETY WITHIN THE CONFINES OF NH RSA 674:36.

53.) DURING PERIODS OF HEAVY SNOW AND WHEN TEMPORARY PILES ARE USED ON SITE, SNOW IS TO BE LOADED INTO TRUCKS AND REMOVED FROM THE SITE. SNOW IS TO BE DISPOSED OF ON AN APPROVED SNOW DUMP.

GRADING NOTES:

1.) THIS PROJECT SHALL BE CONSTRUCTED IN ACCORDANCE WITH NHDOT STANDARD SPECIFICATIONS DATED 2016. CURRENT STANDARD PLANS, SUPPLEMENTAL SPECIFICATIONS AND SPECIAL PROVISIONS INCLUDED IN THE PROPOSAL.

2.) CONTRACTOR SHALL TAKE SPECIAL CARE IN NOT DISTURBING EXISTING MONUMENTS BOUNDS, AND OR BENCHMARKS WITHOUT FIRST MAKING PROVISIONS FOR RELOCATION

3.) THE LOCATIONS OF EXISTING UNDERGROUND UTILITIES ARE SHOWN IN AN APPROXIMATE WAY ONLY AND HAVE NOT BEEN INDEPENDENTLY VERIFIED BY THE OWNER OR ITS REPRESENTATIVE. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK AND AGREES TO BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MIGHT BE OCCASIONED BY THE CONTRACTOR'S FAILURE TO LOCATE EXACTLY AND TO PRESERVE ANY AND ALL UNDERGROUND UTILITIES CALL "DIG–SAFE" 1–888–DIGSAFE (344–7233) AT LEAST 72 HOURS BEFORE COMMENCING CONSTRUCTION

4.) WHERE AN EXISTING UNDERGROUND UTILITY IS FOUND TO CONFLICT WITH THE PROPOSED WORK, THE LOCATION, ELEVATION AND SIZE OF THE UTILITY SHALL BE ACCURATELY DETERMINED WITHOUT DELAY BY THE CONTRACTOR, AND THE INFORMATION FURNISHED TO THE ENGINEER FOR RESOLUTION OF THE CONFLICT.

5.) THE CONTRACTOR SHALL MAKE ALL ARRANGEMENTS FOR THE ALTERATION AND ADJUSTMENT OF GAS, ELECTRIC, TELEPHONE AND ANY OTHER PRIVATE UTILITIES BY THE UTILITY COMPANIES.

6.) AREAS OUTSIDE THE LIMITS OF PROPOSED WORK DISTURBED BY THE CONTRACTOR'S OPERATIONS SHALL BE RESTORED BY THE CONTRACTOR TO THEIR ORIGINAL CONDITION AT THE CONTRACTOR'S EXPENSE. LIMIT OF GRADING SHOULD NOT BE EXPANDED WITHOUT CONSULTING THE DESIGN ENGINEER. SEE ALSO E&SC PLAN.

7.) THE TERM "PROPOSED" (PROP.) MEANS WORK TO BE CONSTRUCTED USING NEW MATERIALS, OR, WHERE APPLICABLE, RE–USING EXISTING MATERIALS IDENTIFIED AS "REMOVE & RESET" (R & R).

8.) ALL SYMBOLS, WORDS, TRANSVERSE MARKINGS (STOP BARS, CROSSWALK LINES, AND RAILROAD SYMBOLS), LANE LINES, AND ALL OTHER MARKINGS NOTED WITH [T] SHALL BE THERMOPLASTIC.

9.) ALL DISTURBED AREAS NOT DESIGNATED TO BE PAVED SHALL HAVE LOAM PLACED AND SEEDED. THE LOAM SHALL HAVE A MINIMUM DEPTH OF 4 INCHES AND SHALL BE PLACED FLUSH WITH THE TOP OF THE ADJACENT CURB, EDGING, BERM OR PAVEMENT SURFACE.

10.) ALL ELEVATIONS TO BE VERIFIED BY THE CONTRACTOR PRIOR TO CONSTRUCTION. THE DESIGN ENGINEER IS TO BE NOTIFIED IMMEDIATELY OF ANY DISCREPANCY. TEMPORARY BENCHMARKS (T.B.M.) ARE TO BE PROVIDED BY THE DESIGN ENGINEER.

11.) WRITTEN DIMENSION ON THIS PLAN TAKE PRECEDENCE OVER SCALED DIMENSIONS. THE CONTRACTOR SHALL USE CAUTION WHEN SCALING REPRODUCED PLANS. IN THE EVENT OF A CONFLICT BETWEEN THIS PLAN SET AND ANY OTHER DRAWINGS AND/OR SPECIFICATIONS, THE ENGINEER SHALL BE NOTIFIED BY THE CONTRACTOR PRIOR TO CONSTRUCTION. CONTRACTOR IS TO CONFIRM ALL ELEVATIONS. CONFLICTS WILL BE REPORTED TO THE DESIGN ENGINEER PRIOR TO CONSTRUCTION.

12.) SEE DETAILS CONCERNING SITE LAYOUT, DRAINAGE, UTILITY, AND SEDIMENT AND EROSION CONTROLS.

13.) DESIGN ENGINEER OF RECORD SHALL PROVIDE SIGNED LETTER TO CITY ENGINEER CERTIFYING THAT THE STORMWATER MANAGEMENT SYSTEM HAS BEEN INSTALLED IN ACCORDANCE WITH APPROVED PLANS. DESIGN ENGINEER OR DESIGN ENGINEERS REPRESENTATIVE IS TO BE PERIODICALLY ON SITE AND INSPECT DURING CONSTRUCTION PROCESS. CONTRACTOR IS TO PROVIDE 24–48 HOURS NOTICES PRIOR TO INSPECTION REQUESTS.

14.) UPON FINAL COMPLETION AND 85% STABILIZATION THE DRAINAGE SYSTEM IS TO BE CLEANED OF ALL DEBRIS TO INCLUDE THE PUMPING OF THE BASINS. SEE SHEET E102, DETAIL E18 FOR DEFINITION OF STABLE. ALSO TO BE DONE ONCE A YEAR DURING THE CONSTRUCTION PROCESS.

15.) ALL DRAINAGE PIPE IS TO BE HDPE N–12. INDIVIDUAL PIPE SIZES ARE SPECIFIED, RECYCLED PIPE IS APPROVED FOR PROJECT SITE. RECYCLED HDPE PIPE "GREEN PIPE" IS ACCEPTABLE FOR THIS PROJECT SITE.

16.) CATCH BASINS WITHIN ANY GRASS LINED AREAS OUTSIDE THE ROADWAY WILL HAVE "BEE HIVE" GRATES TO NOT ALLOW FOR ENTRAPMENT OF ANIMALS IN THE STRUCTURE. BASINS ARE TO HAVE NH STANDARD FRAMES AND GRATES MADE IN NORTH AMERICA. GRATES ARE TO BE INSTALLED BINDER FLUSH PRIOR TO BASE PAVE. UPON PROJECT COMPLETION FRAMES AND GRATES ARE TO BE CUT AND RIM RAISED TO FINAL PAVEMENT SURFACE. THIS IS TO ENSURE STORMWATER ENTERS THE SYSTEM AS DESIGN DURING THE INTERIM CONSTRUCTION PERIOD.

17.) DESIGN ENGINEER OF RECORD SHALL PROVIDE SIGNED LETTER TO CITY ENGINEER CERTIFYING THAT THE STORMWATER MANAGEMENT SYSTEM AND UTILITY INFRASTRUCTURE HAVE BEEN INSTALLED IN ACCORDANCE WITH APPROVED PLANS. DESIGN ENGINEER OR DESIGN ENGINEERS REPRESENTATIVE IS TO BE PERIODICALLY ON SITE AND INSPECT DURING CONSTRUCTION PROCESS. CONTRACTOR IS TO PROVIDE 24–48 HOURS NOTICES PRIOR TO INSPECTION REQUESTS.

EROSION & EROSION CONTROL NOTES:

1.) CONTRACTOR IS TO INSTALL A CONSTRUCTION ENTRANCE PRIOR TO EARTH DISTURBING ACTIVITIES, UTILIZING 3" ANGULAR STONE UNDERLAID WITH ENGINEER FABRIC.
2.) CONTRACTOR IS RESPONSIBLE FOR SWEEPING THE PARKING LOT, SIDEWALKS AND ROADWAY, TO ENSURE THAT NO SEDIMENT IS BEING TRACKED ONTO BELLAMY ROAD OR THE SURROUNDING ROADWAYS.
3.) CONTRACTOR IS RESPONSIBLE FOR CLEANING AND MAINTAINING THE INLET PROTECTION ONCE INSTALLED.
4.) FUGITIVE DUST IS TO BE CONTROLLED THROUGHOUT THE CONSTRUCTION PROCESS IN ACCORDANCE WITH ENV–A 1000.
5.) CONTRACTOR IS TO MEET THE REQUIREMENTS SPECIFIED IN RSA 430:51–57 AND AGR 3800, RELATING TO INVASIVE SPECIES.
6.) CONTRACTOR IS RESPONSIBLE FOR PROTECTING THE WATER QUALITY FROM ANY RUN OFF DURING THE CONSTRUCTION PROCESS, IN ACCORDANCE WITH ENV–WQ 1507, IN ORDER TO PREVENT VIOLATIONS OF THE STORM WATER QUALITY STANDARDS.
7.) CONTRACTOR AY USE SILT FENCE, SILT SOXX OR MULCH BERM FOR PERIMETER CONTROL. SPECIFIC PRACTICES MAY BE SPECIFIED, SEE PLAN. THE CONTRACTOR IS NOT TO EXPAND CONSTRUCTION BEYOND THE STAKED OUT LIMITS.
8.) ALL STORAGE FACILITIES FOR FUEL, CHEMICALS, CHEMICAL OR INDUSTRIAL WASTES, AND BIODEGRADABLE RAW MATERIALS SHALL MEET THE REGULATIONS OF THE NHDES, INCLUDING BUT NOT LIMITED TO THOSE INVOLVING UNDERGROUND STORAGE TANKS, ABOVE GROUND STORAGE TANKS, HAZARDOUS WASTE AND BEST MANAGEMENT PRACTICES FOR GROUND WATER PROTECTION (PART ENV–WQ 401).
9.) ALL DEVELOPMENT MUST COMPLY WITH THE EPA PHASE II STORMWATER RULES AND THE CITY'S MS4 PERMIT, AS AMENDED. PRIOR TO CONSTRUCTION, A STORMWATER POLLUTION PREVENTION PLAN (SWPPP) WILL BE DEVELOPED IN ACCORDANCE WITH THE US EPA CGP 2022.
10.) CITY OF DOVER: IN ACCORDANCE WITH SITE PLAN REVIEW REGULATIONS (153–14) THE FOLLOWING STORMWATER MEASURES ARE REQUIRED.

A.) ALL PROPOSED BMPs WILL CONFORM TO THE NH STORMWATER MANUAL VOLUME 3.
B.) EROSION AND SEDIMENT CONTROL MEASURES SHALL BE INSTALLED PRIOR TO ANY SOIL LAND DISTURBANCE AND MUST BE REVIEWED AND APPROVED BY COMMUNITY SERVICE.
C.) TEMPORARY STABILIZATION MEASURES SHOULD BE IN PLACE WITHIN SEVEN CALENDAR DAYS FOR EXPOSED SOILS AREAS THAT ARE WITHIN ONE HUNDRED FEET OF A SURFACE WATER BODY OR A WETLAND AND NO MORE THAN 14 CALENDAR DAYS FOR ALL OTHER AREAS. PERMANENT STABILIZATION SHOULD BE IN PLACE WITHIN THREE CALENDAR DAYS FOLLOWING COMPLETION OF FINAL GRADING OF EXPOSED SOIL AREAS.
D.) ALL TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES SHALL BE MAINTAINED IN FUNCTIONING CONDITION UNTIL FINAL STABILIZATION IS ACCOMPLISHED. ALL TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES SHALL BE REMOVED AFTER FINAL SITE STABILIZATION. TRAPPED SEDIMENT AND OTHER DISTURBED SOIL AREAS RESULTING FROM THE REMOVAL OF TEMPORARY MEASURES SHALL BE PERMANENTLY STABILIZED WITHIN 30 CALENDAR DAYS UNLESS CONDITIONS DICTATE OTHERWISE.
E.) COMMUNITY SERVICES DEPARTMENT OR THEIR DESIGNATED AGENT SHALL HAVE ACCESS TO THE SITE TO COMPLETE ROUTINE INSPECTIONS AND SHALL BE NOTIFIED 24–HOURS PRIOR TO INSTALLATION OF A STORMWATER BMP IN ORDER TO SCHEDULE AN INSPECTION, DURING NORMAL WORKING HOURS.
F.) THE PLANNING BOARD OR COMMUNITY SERVICES MAY REQUIRE THE DESIGN ENGINEER AND/OR AN INDEPENDENT, THIRD–PARTY INSPECTION AND OVERSIGHT OF THE CONSTRUCTION OF STORMWATER MANAGEMENT FACILITIES AND EROSION AND SEDIMENT CONTROL AT THEIR DISCRETION. THE OWNER / APPLICANT IS RESPONSIBLE FOR ALL FEES ASSOCIATED WITH INSPECTIONS.
G.) ALL SWPPP/SWMP INSPECTIONS MUST BE CONDUCTED BY A QUALIFIED PROFESSIONAL SUCH AS A PROFESSIONAL ENGINEER (PE), A CERTIFIED PROFESSIONAL IN EROSION AND SEDIMENT CONTROL (CPESC), A CERTIFIED EROSION SEDIMENT AND STORMWATER INSPECTOR (CESSWI), OR A CERTIFIED PROFESSIONAL IN STORMWATER QUALITY (CPSWQ). INSPECTION REPORTS WILL BE SUBMITTED TO THE COMMUNITY SERVICES DEPARTMENT. THE EPA CGP ALSO REQUIRES PROFESSIONAL CERTIFICATIONS.
H.) THE OWNER IS ULTIMATELY RESPONSIBLE FOR THE INSTALLATION, CONSTRUCTION, INSPECTION, AND DISPOSITION OF ALL STORMWATER MANAGEMENT AND EROSION CONTROL MEASURES REQUIRED BY THE PROVISIONS OF THESE REGULATIONS.
I.) STORMWATER MANAGEMENT PLAN (SWMP) SUBMITTAL REQUIREMENTS. AT THE DISCRETION OF THE PLANNING BOARD OR COMMUNITY SERVICES DEPARTMENT, A TECHNICAL REVIEW BY AN INDEPENDENT THIRD PARTY MAY BE REQUIRED OF ANY SWMP PREPARED UNDER THESE REGULATIONS. SUCH A REVIEW SHALL BE PERFORMED BY A QUALIFIED PROFESSIONAL CONSULTANT AND THE EXPENSE OF WHICH SHALL BE THE FULL RESPONSIBILITY OF THE OWNER/APPLICANT.

UTILITY NOTES:

1.) UNDERGROUND UTILITY LOCATIONS ARE BASED UPON BEST AVAILABLE EVIDENCE AND ARE NOT FIELD VERIFIED. LOCATING AND PROTECTING ANY ABOVE AND BELOW GROUND UTILITIES IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR. ANY UTILITY CONFLICTS SHOULD BE REPORTED IMMEDIATELY TO THE DESIGN ENGINEER.

2.) THE CONTRACTOR SHALL CALL AND COORDINATE WITH DIGSAFE 1–888–344–7233 AT LEAST 72 HOURS PRIOR TO COMMENCING ANY EXCAVATION ON PUBLIC OR PRIVATE PROPERTY.

3.) PROTECTION OF SUBGRADE: THE CONTRACTOR SHALL BE REQUIRED TO MAINTAIN STABLE, DEWATERED SUBGRADES, TRENCHES, AND OTHER AREAS DURING CONSTRUCTION. SUBGRADE DISTURBANCE MAY BE INFLUENCED BY EXCAVATION METHODS, MOISTURE, PRECIPITATION, GROUNDWATER CONTROL, AND CONSTRUCTION ACTIVITIES. THE CONTRACTOR SHALL TAKE PRECAUTIONS TO PREVENT SUBGRADE DISTURBANCE. SUCH PRECAUTIONS MAY INCLUDE DIVERTING STORMWATER RUNOOF AWAY FROM CONSTRUCTION AREAS, REDUCING TRAGFIC IN SENSITIVE AREAS, AND MAINTAINING AN EGFECTIVE DEWATERING PROGRAM. SOILS EXHIBITING HEAVING OR INSTABILITY SHALL BE OVER EXCAVATED TO MORE COMPETENT BEARING SOIL AND REPLACED WITH FREE DRAINING STRUCTURAL FILL MEETING THE ENGINEERS SPECIFIC RECOMMENDED CRITERIA.

4.) IF THE EARTHWORK IS PERFORMED DURING FREEZING WEATHER (NOT ALLOWED IN CITY R.O.W.), EXPOSED SUBGRADES ARE SUSCEPTIBLE TO FROST. NO FILL OR UTILITIES SHALL BE PLACED ON FROZEN GROUND. THIS WILL LIKELY REQUIRE REMOVAL OF A FROZEN SOIL CRUST AT THE COMMENCEMENT OF EACH DAY'S OPERATION. THE FINAL SUBGRADE ELEVATION WOULD ALSO REQUIRE AN APPROPRIATE DEGREE OF INSULATION AGAINST FREEZING.

5.) PLACEMENT OF BORROW MATERIALS SHALL BE PERFORMED IN A MANNER THAT PREVENTS LONG TERM DIFFERENTIAL SETTLEMENT. EXCESSIVELY WET MATERIALS SHALL BE STOCKPILED AND ALLOWED TO DRAIN BEFORE PLACEMENT. FROZEN MATERIAL SHALL NOT BE USED FOR CONSTRUCTION. VOIDS BETWEEN STONES AND CLUMPS OF MATERIAL SHALL BE FILLED WITH FINE MATERIALS.

6.) FINAL UTILITY LOCATIONS TO BE COORDINATED BETWEEN THE CONTRACTOR, ALL APPROPRIATE UTILITY COMPANIES AND THE DOVER DPW.

7.) CONTRACTOR TO CONTACT DOVER DPW A MINIMUM OF TWO WEEKS PRIOR TO ANY CONSTRUCTION TO COORDINATE ALL WORK CONCERNING INSTALLATION OF ANY PROPOSED WATER LINE IMPROVEMENTS.

8.) ALL WATER MAIN AND SERVICE INSTALLATIONS SHALL CONFORM TO CITY OF DOVER STANDARDS. ALL HIGHWAY CONSTRUCTION WILL MEET THE CITY OF DOVER STANDARDS.

9.) CONTRACTOR SHALL COORDINATE ALL ELECTRICAL INSTALLATIONS WITH EVERSOURCE AT (800) 662–7764. ALL ELECTRIC CONDUIT INSTALLATION SHALL BE INSPECTED BY EVERSOURCE PRIOR TO BACKFILL. A 48–HOUR MINIMUM NOTICE IS REQUIRED.

10.) CONTRACTOR SHALL COORDINATE ALL TELECOMMUNICATIONS INSTALLATIONS WITH FAIRPOINT COMMUNICATIONS AT (603) 427–5525.

11.) CONTRACTOR SHALL COORDINATE ALL CABLE INSTALLATIONS WITH COMCAST.

12.) ALL SEWER MANHOLE RIMS & COVERS ARE TO BE LIFTMATE R–1743–LM.

13.) ALL WATER SERVICES ARE TO BE WITNESSED WITH A 2"X4" PAINTED BLUE. ALL SEWER SERVICES ARE TO BE WITNESSED WITH A 2"X4" PAINTED YELLOW, IS STUBBED PRIOR TO BUILDING CONSTRUCTION. DETECTABLE METALLIC UNDERGROUND TAPE SHALL BE LABELED APPROPRIATELY.

14.) CURB BOXES SHOULD BE PLACED IN THE LAWN AREA, OR IF PLACED IN PAVEMENT, A ROAD BOX IS REQUIRED.

15.) SEE EXISTING CONDTIONS PLAN FOR DATUM. VERTICAL DATUM BASED ON NAVD88 ELEVATIONS. HORIZONTAL DATUM BASED ON NAD83 STATE PLANE COORDINATES GATHERED USING TOPCON HIPER SR SURVEY GRADE GPS.

16.) MINIMUM SLOPE FOR ALL SEWER SERVICE CONNECTIONS IS TO BE NO LESS THAN 0.02 FT/FT.

17.) ALL SEWER INSTALLATIONS SHALL CONFORM TO THE REQUIREMENTS OF NHDES & DOVER COMMUNITY SERVICES SEWER DIVISION STANDARDS. ALL PVC SEWER PIPE IS TO CONFORM WITH ENV–WQ 704.05 (c)–(e) FOR SDR 35 GRAVITY SEWER PIPE, CONFORM WITH ENV–WQ 704.08 FOR SDR 11 FORCE MAIN PRESSURE PIPE, AND CONFORM WITH ASTM D3034. PVC JOINT SEALS SHALL CONFORM WITH ASTM D3121. THE FORCE MAIN SHALL BE TESTED IN ACCORDANCE WITH ENV–WQ 704.09.

18.) CONTRAC

PLAN REFERENCES:

1.) "PLAN OF LAND ERNEST I. & LOIS B. ESTES DOVER, NEW HAMPSHIRE"
BY: K.E. MOORE & B.G. STAPLES LAND SURVEYORS
DATED: OCTOBER 1972
S.C.R.D. PLAN #60, POCKET #2, FOLDER #19

2.) "PLAN OF LAND ALBERT P. & SYLVIA P. MARCOTTE DOVER NEW HAMPSHIRE"
BY: K.E. MOORE & B.G. STAPLES LAND SURVEYORS
DATED: JANUARY, 1974
S.C.R.D. PLAN #49, POCKET #1, FOLDER #1

3.) "MINOR SUBDIVISION OF LAND PREPARED FOR THERESA GAGNE 45 BELLAMY ROAD DOVER NEW HAMPSHIRE"
BY: MCENEANEY SURVEY ASSOCIATES INC.
DATED: JULY 5, 1995
S.C.R.D. PLAN # 46-65

PLAN REFERENCES CONTINUED:

4.) "PLAN OF LOT LINE ADJUSTMENTS PREPARED FOR MAST ROAD SAND AND GRAVEL AND FRANCES E. AND GEORGE E. DOWALIBY MAST ROAD & COLD SPRINGS ROAD DOVER, NEW HAMPSHIRE"
BY: MCENEANEY SURVEY ASSOCIATES INC.
DATED: MARCH 11, 1997
S.C.R.D. PLAN # 49-95

5.) "PLAN OF LOT LINE ADJUSTMENTS FOR FRANCES E. AND GEORGE E. DOWALIBY AND LOIS B. AND ERNEST I. ESTES TAX MAP H, LOTS 47A & 50, COLD SPRING ROAD AND BELLAMY ROAD DOVER, STRAFFORD COUNTY, NEW HAMPSHIRE"
BY: K E M LAND SURVEY, INC.
DATED: AUGUST 30, 1999
S.C.R.D PLAN # 57-42

6.) "PLAN OF LAND FOR CHRISTOPHER T. OGDEN & KATHLEEN M. HICKEY, 1 MARLBORO STREET, NEWBURYPORT, MA OF LAND AT 51 BELLAMY ROAD DOVER, NH"
BY: K E M LAND SURVEY, INC.
DATED: DECEMBER, 2000
S.C.R.D PLAN # 61-17

PLAN REFERENCES CONTINUED:

7.) "LOT LINE ADJUSTMENT PLAN FOR FRANCES E. AND GEORGE E, DOWALIBY AND KEVIN TULLY AND SHARON LEGERE, TAX MAP H, LOTS 47A & 48, COLD SPRINGS ROAD AND BELLAMY ROAD DOVER, STRAFFORD COUNTY, NEW HAMPSHIRE"
BY: K E M LAND SURVEY INC.
DATED: JUNE 3, 2001
S.C.R.D. PLAN # 63-17

8.) "LOT LINE ADJUSTMENT PLAN PREPARED FOR H53 MAST ROAD LLC TAX MAP H, LOT NOS. 48 & 53 COLD SPRINGS ROAD & STONEWALL DRIVE CITY OF DOVER COUNTY OF STRAFFORD STATE OF NEW HAMPSHIRE" BY: MCENEANEY SURVEY ASSOCIATES, INC. DATED: APRIL 1, 2019
S.C.R.D. PLAN # 12016

9.) "PLAN OF LOT A FOR GEORGE T. MCKENNA DOVER NEW HAMPSHIRE APRIL 1971"
BY: ROBERT W. MCCRONE
DATED: APRIL, 1971
S.C.R.D. PLAN #59, POCKET 2, FOLDER #21

PLAN REFERENCES CONTINUED:

10.) "TDR SUBDIVISION PLAN, LAND OF KNOX MARSH DEVELOPMENT LLC, 51 BELLAMY ROAD, DOVER, N.H. TAX MAP H, LOT 46"
BY: BERRY SURVEYING & ENGINEERING
DATED: FEBRUARY 16, 2021
S.C.R.D. PLAN # 12408

11.) "LOT LINE REVISION, LAND OF KNOX MARSH DEVELOPMENT, LLC, 51 BELLAMY ROAD, GARY V. & KIM T. BATES, 65 BELLAMY ROAD, DOVER, N.H., TAX MAP H, LOTS 46 & 50"
BY: BERRY SURVEYING & ENGINEERING
DATED: AUGUST 5, 2021
S.C.R.D. PLAN # 12740

12.) "TDR SUBDIVISION & RE-SUBDIVISION PLAN, LAND OF KNOX MARSH DEVELOPMENT, LLC, 51 BELLAMY ROAD, GARY V. & KIM T. BATES, 65 BELLAMY ROAD, DOVER, N.H., TAX MAP H, LOTS 46 & 50"
BY: BERRY SURVEYING & ENGINEERING
DATED: AUGUST 5, 2021
S.C.R.D. PLAN # 12741

UTILITY NOTE:

THE UNDERGROUND UTILITIES SHOWN ON THIS PLAN HAVE BEEN LOCATED FROM FIELD SURVEY INFORMATION AND EXISTING DRAWINGS. THE SURVEYOR NOR THE ENGINEER MAKES NO GUARANTEES THAT THE UNDERGROUND UTILITIES SHOWN COMPRISE ALL SUCH UTILITIES IN THE AREA, EITHER IN SERVICE OR ABANDONED. THE SURVEYOR FURTHER DOES NOT WARRANT THAT THE UNDERGROUND UTILITIES SHOWN ARE IN THE EXACT LOCATION INDICATED ALTHOUGH HE DOES CERTIFY THAT THEY ARE LOCATED AS ACCURATELY AS POSSIBLE FROM THE INFORMATION AVAILABLE.

SOIL DATA:

HaB ~ HINCKLEY LOAMY FINE SAND, CLAY SUBSOIL VARIANT, 3 TO 8% SLOPES
HbE ~ HINCKLEY LOAMY FINE SAND, CLAY SUBSOIL VARIANT, 15 TO 60% SLOPES
WfB ~ WINDSOR LOAMY FINE SAND, CLAY SUBSOIL VARIANT, 0 TO 8% SLOPES

SEE: USDA/NRCS WEBSOIL

WETLAND NOTES:

1. WETLANDS WERE DELINEATED BY JOHN P. HAYES FEBRUARY 19, 2024
2. REGIONAL SUPPLEMENT TO THE CORPS OF ENGINEERS WETLAND DELINEATION MANUAL: NORTHCENTRAL AND NORTHEAST REGION, (VERSION 2.0) JANUARY 2012, U.S. ARMY CORPS OF ENGINEERS.
3. FIELD INDICATORS OF HYDRIC SOILS IN THE UNITED STATES, A GUIDE FOR IDENTIFYING AND DELINEATING HYDRIC SOILS, VERSION 8.0. UNITED STATES DEPARTMENT OF AGRICULTURE (2016).
4. NATIONAL WETLAND PLANT LIST (CURRENT VERSION).

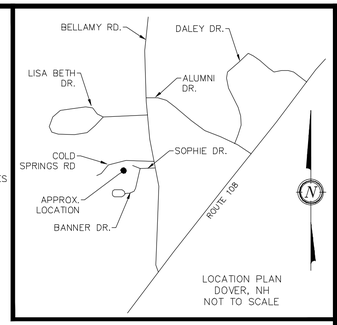
NO WETLANDS WERE FOUND ON SITE.

STATE OF NEW HAMPSHIRE · JOHN P. HAYES, III · WETLAND SCIENTIST · WA 16

JOHN P. HAYES, III CWS #18

LOT COVERAGE:

EXISTING BUILDINGS, DECKS & STAIRS: 5,364 Sq.Ft., 4.55%
EXISTING DRIVEWAYS, COLD SPRINGS ROAD, COVERED PATIO & WALKWAY: 14,982 Sq.Ft., 12.71 %



LOCATION PLAN
DOVER, NH
NOT TO SCALE

NOTES:

1.) OWNER: 5 SHERMAN STREET LLC
242 CENTRAL AVENUE
DOVER, NH 03820

APPLICANT: KNOX MARSH DEVELOPMENT LLC
242 CENTRAL AVENUE
DOVER, NH 03820

2.) TAX MAP H, LOT 47-A

3.) S.C.R.D. BOOK 5190, PAGE 597

4.) LOT AREA: 117,854 Sq.Ft., 2.71 Ac.

5.) ZONING R-40 (RURAL RESIDENTIAL)
SETBACKS:
FRONT ~ 40'
SIDE ~ 25'
REAR ~ 30'
MIN. LOT SIZE: 40,000 Sq. Ft.
MIN. FRONTAGE: 150'
MAX. LOT COVERAGE: 10%
MAX. BUILDING HEIGHT: 35'

6.) THE INTENT OF THIS PLAN IS TO SHOW THE EXISTING BOUNDARIES AND CONDITIONS OF TAX MAP H, LOT 47-A, LOCATED IN DOVER, N.H., AS OF THE FIELD SURVEY IN DECEMBER 2023.

7.) I HEREBY CERTIFY THAT, TO THE BEST OF MY KNOWLEDGE AND BELIEF, THIS PROPERTY DOES NOT FALL WITHIN THE FLOOD PLAIN. FLOOD HAZARD REF: FEMA, COMMUNITY #330145, MAP 33017C0320E, DATED: SEPTEMBER 30, 2015.

8.) VERTICAL DATUM BASED ON NAVD88 ELEVATIONS. HORIZONTAL DATUM BASED ON NAD83 STATE PLANE. COORDINATES GATHERED USING CARLSON BRX7 SURVEY GRADE GPS RECEIVERS.

9.) THE BOUNDARY LINES SHOWN ON THIS PLAN ARE THE RESULT OF A CLOSED TRAVERSE PERFORMED BY THIS OFFICE IN DECEMBER OF 2023 WITH AN ERROR OF CLOSURE BETTER THAN 1 PART IN 10,000.

10.) TOPOGRAPHY PROVIDED IS DEMARCATED AT 1' INTERVALS, AND IS THE RESULT OF A FIELD SURVEY PERFORMED IN DECEMBER 2023.

11.) THIS SITE IS SERVICED BY ONSITE SEWER AND WATER.

12.) NO WETLANDS WERE FOUND ON SITE. SEE WETLAND NOTE ON SITE SPECIFIC SOILS MAP.

13.) NO CEMETERIES WERE FOUND ON THE SITE AS OF THE DATE OF THE FIELD SURVEY.

LEGEND:

- STONE/GRANITE BOUND (FND)
- IRON BOUND (FND)
- IRON PIPE (FND)
- UTILITY POLE / GUY WIRE
- SINGLE POST SIGN
- TEMPORARY BENCHMARK
- TEST PIT
- CURB STOP
- GATE VALVE
- FIRE HYDRANT
- CATCH BASIN
- SEWER MANHOLE
- ABUTTING PROPERTY LINE
- BUILDING SETBACK LINE
- EXISTING WATER LINE
- EXISTING SEWER LINE
- EXISTING DRAIN LINE
- OVERHEAD UTILITIES
- EXISTING CONTOUR MINOR
- EXISTING CONTOUR MAJOR
- EXISTING TREELINE
- NRCS SOIL LINE/LABEL
- ZONING BOUNDARY
- 20% SLOPES OR GREATER

FND FOUND
TYP TYPICAL
S.C.R.D. STRAFFORD COUNTY REGISTRY OF DEEDS

GRAPHIC SCALE

30 0 15 30 60 120

(IN FEET)
1 inch = 30 ft.

CITY OF DOVER PLANNING FILE #

#	REVISION	DATE	DESCRIPTION
#1		10-17-24	REVISED UNIT COUNT AND ASSOCIATED MODIFICATIONS

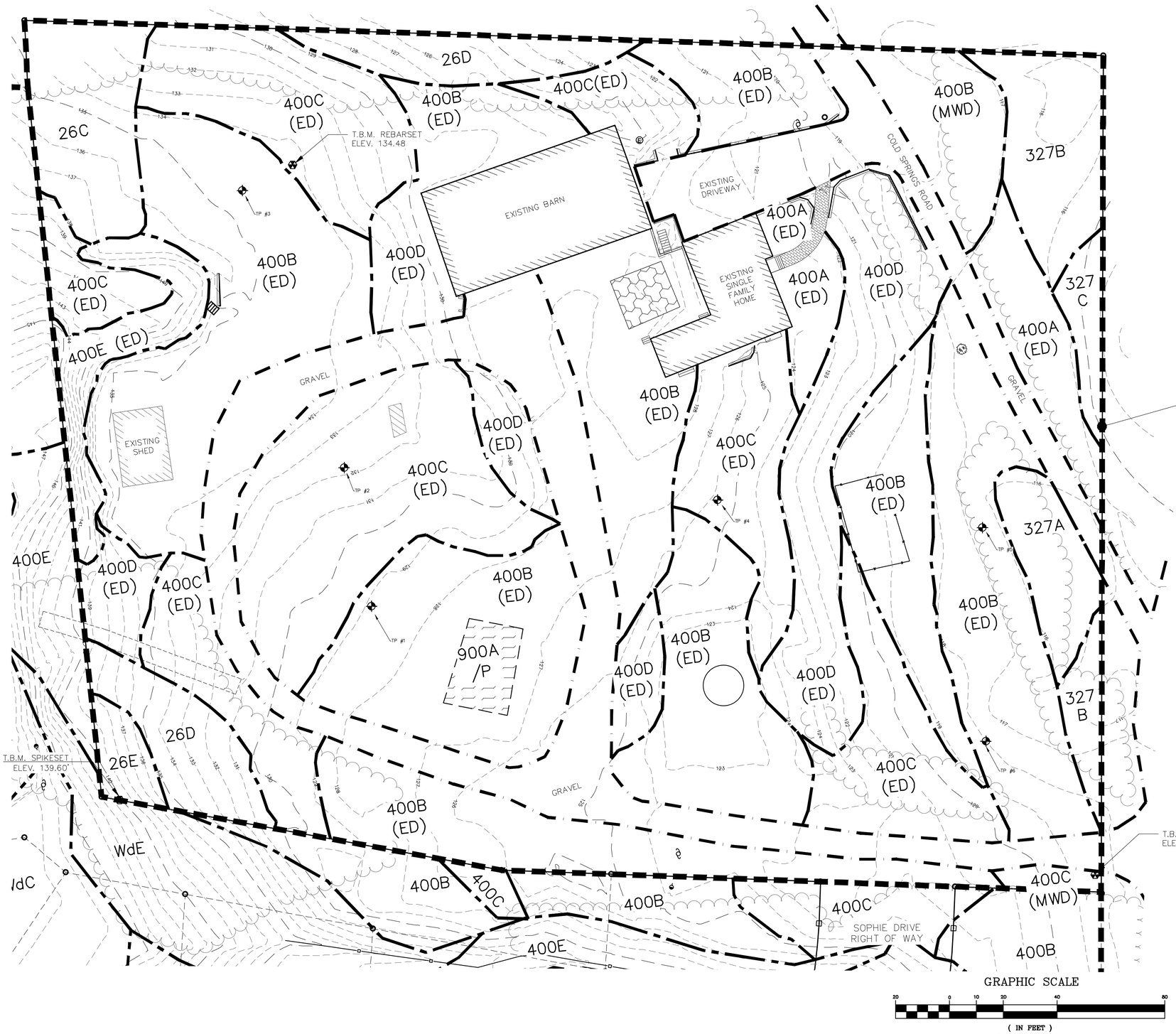
EXISTING CONDITIONS PLAN
FOR
KNOX MARSH DEVELOPMENT LLC
LAND OF
5 SHERMAN STREET LLC
1 COLD SPRINGS ROAD
DOVER, N.H.
TAX MAP H, LOT 47-A

BERRY SURVEYING & ENGINEERING
335 SECOND CROWN POINT ROAD
BARRINGTON, NH 03825 (603)332-2863

SCALE : 1 IN. EQUALS 30 FT.
DATE : SEPTEMBER 1, 2024
FILE NO. : DB 2023 - 126

STATE OF NEW HAMPSHIRE · No. 805 · KENNETH A. BERRY · LICENSED LAND SURVEYOR
SIGNATURE

NOT FOR CONSTRUCTION



LIMITS OF SITE SPECIFIC SOILS SURVEY

GRAPHIC SCALE
20 0 10 20 40 80
(IN FEET)
1 inch = 20 ft.

NOTES:

1.) OWNER: 5 SHERMAN ST.
242 CENTRAL AVE.
DOVER, NH 03820

APPLICANT: KNOX MARSH DEVELOPMENT LLC
242 CENTRAL AVE
DOVER, NH 03820

2.) TAX MAP H, LOT 47-A

3.) S.C.R.D. BOOK 5190, PAGE 597

4.) LOT AREA: 117,854 Sq.Ft., 2.71 Ac.

5.) THE INTENT OF THIS PLAN IS TO SHOW THE SITE SPECIFIC SOILS ON TAX MAP H, LOT 47-A.

6.) I HEREBY CERTIFY THAT, TO THE BEST OF MY KNOWLEDGE AND BELIEF, THIS PROPERTY DOES NOT FALL WITHIN THE FLOOD PLAIN FLOOD HAZARD REF: FEMA COMMUNITY #330145, MAP 33017C0320E, DATED: MAY 17, 2005.

7.) VERTICAL DATUM BASED ON NAVD88 ELEVATIONS. HORIZONTAL DATUM BASED ON NAD83 STATE PLANE. COORDINATES GATHERED USING CARLSON BRX7 SURVEY GRADE GPS RECEIVERS.

STATE OF NEW HAMPSHIRE
JOHN P. HAYES, III
CERTIFIED WETLAND SCIENTIST
No. 18
JOHN P. HAYES III, CWS #18

LICENSED LAND SURVEYOR
JOHN P. HAYES III
No. 087
JOHN P. HAYES III, CSS #87

NAD83 NH STATE PLANE
MAGNETIC

LEGEND:

- IRON BOUND ~FND~
- IRON PIPE ~FND~
- GRANITE BOUND ~FND~
- UTILITY POLE/GUY WIRE
- BENCHMARK (T.B.M.)
- TEST PIT
- >20% SLOPES
- 32 EXISTING CONTOUR MINOR
- ~35~ EXISTING CONTOUR MAJOR
- OFF SITE NRCS SOIL LINE
- SITE SPECIFIC SOIL DELINEATION
- LIMIT OF SOIL SURVEY
- AREAS OF IMPERVIOUS SURFACE PRESUMED TO BE THE SAME SURROUNDING SOIL TYPE

448A SOIL SERIES
BnA SOIL LABEL
S.C.R.D. STRAFFORD COUNTY REGISTRY OF DEEDS
TYP. TYPICAL
FND FOUND
TBA TO BE ABANDONED
PVMT PAVEMENT

WETLAND NOTES:

WETLANDS WERE DELINEATED BY JOHN P. HAYES FEBRUARY 19, 2024

1. REGIONAL SUPPLEMENT TO THE CORPS OF ENGINEERS WETLAND DELINEATION MANUAL: NORTHCENTRAL AND NORTHEAST REGION, (VERSION 2.0) JANUARY 2012, U.S. ARMY CORPS OF ENGINEERS.
2. FIELD INDICATORS OF HYDRIC SOILS IN THE UNITED STATES, A GUIDE FOR IDENTIFYING AND DELINEATING HYDRIC SOILS, VERSION 8.0. UNITED STATES DEPARTMENT OF AGRICULTURE (2016).
3. NATIONAL WETLAND PLANT LIST (CURRENT VERSION).

NO WETLANDS WERE FOUND ON SITE.

SOILS LEGEND

Site Specific Soils

Symbol	Slopes	Taxonomic Soil Name	Hydrologic Soil Group
26	C,D,E	Windsor	A
327	A,B,C	Windsor Variant (Clay Subsoil)	C
400 (ED)	A,B,C,D,E	Udorthents (Sandy or Gravelly) (Excessively Drained)	A
400 (MWD)	A,B	Udorthents (Sandy or Gravelly Over Silt Loam) (Moderately Well Drained)	A
900	A	Endoaquents (Sandy or Gravelly)	C

Slopes: A = 0-3% B = 3-8% C = 8-15% D = 15-25% E = 25- 50% F = 50%+
Denominators: /SPD = Somewhat Poorly Drained /P = Poorly Drained
/VP = Very Poorly Drained /Rk = Rocky

CITY OF DOVER PLANNING FILE #

REVISION	DATE	DESCRIPTION
#1	10-17-24	REVISED UNIT COUNT AND ASSOCIATED MODIFICATIONS

SITE SPECIFIC SOILS MAP
FOR
KNOX MARSH DEVELOPMENT LLC
LAND OF
5 SHERMAN STREET LLC
1 COLD SPRINGS ROAD
DOVER, N.H.
TAX MAP H, LOT 47-A

BERRY SURVEYING & ENGINEERING
335 SECOND CROWN POINT ROAD
BARRINGTON, NH 03825 (603)332-2863

SCALE : 1 IN. EQUALS 20 FT.
DATE : SEPTEMBER 1, 2024
FILE NO. : DB 2023 - 126

STATE OF NEW HAMPSHIRE
No. 805
KENNETH A. BERRY
LICENSED LAND SURVEYOR
SIGNATURE

NOT FOR CONSTRUCTION

TEST PIT CONDUCTED 9-13-24 BY APPLICANT WITH A TRACKED MINI

TEST PIT #1

0-0.2'	10YR 2/2	FINE SANDY LOAM, GRANULAR, FRIABLE
0.2'-2.6'	10YR 5/3	FINE LOAMY SAND, GRANULAR, FRIABLE, GENERAL FILL
2.6'-6.5'	2.5Y 6/4	FINE SAND, SINGLE GRAIN, LOOSE REDOX AND DEPL @ 3.3'

TERMINATED: 6.5'
E.S.H.W.T.: 3.3'
ROOTS FEW AND FINE TO 3.3'
GROUND WATER OBSERVED: N/A
P= 4 MIN./IN.

TEST PIT #2

0-0.2'	10YR 2/2	FINE SANDY LOAM, GRANULAR, FRIABLE
0.2'-1.8'	10YR 6/4	FINE SANDY LOAM, GRANULAR, FRIABLE, GENERAL FILL
1.8'-4.6'	10YR 5/3	FINE SANDY LOAM, MEDIUM BLOCKY, FRIABLE
4.6'-6.0'		GENERAL FILL (BRICK & BACKED FILL)

TERMINATED: 6.0'
E.S.H.W.T.: 1.8'
ROOTS FEW AND FINE TO 1.8'
ROCKY THROUGHOUT
GROUND WATER OBSERVED: N/A
P= 4 MIN./IN.

TEST PIT #3

0-5.0'	2-4" COBBLES THROUGHOUT

TERMINATED: 5.0'
E.S.H.W.T.: N/A
RESTRICTIVE LAYER: N/A
ROOTS: N/A
GROUND WATER OBSERVED: N/A
P= 2 MIN./IN.

TEST PIT #4

0-0.4'	10YR 2/2	FINE SANDY LOAM, GRANULAR, FRIABLE
0.4'-4.0'	10YR 4/3	FINE SANDY LOAM, GRANULAR, FRIABLE,
4.0'-6.0'	2.5Y 6/4	FINE SAND, SINGLE GRAIN, LOOSE
		REDOX. CONCENTRATIONS WITH NO DEPLETIONS

TERMINATED: 6.0'
E.S.H.W.T.: N/A
ROOTS FEW AND FINE TO 4.0'
GROUND WATER OBSERVED: N/A
P= 4 MIN./IN.

TEST PIT #5

0-3.6'	10YR 6/4	FINE LOAMY SAND, GRANULAR, MEDIUM FIRM IN HOLE-FRIABLE IN HAND
3.6'-6.0'	2.5Y 7/4	FINE SAND, SINGLE GRAIN, LOOSE, REDOX. CONCENTRATIONS & DEPLETIONS @ 4.1'

TERMINATED: 6.0'
E.S.H.W.T.: 4.1'
ROOTS FEW AND FINE TO 2.9'
GROUND WATER OBSERVED: N/A
P= 4 MIN./IN.

TEST PIT #6

0-1.4'	10YR 6/4	FINE LOAMY SAND, GRANULAR, FRIABLE
1.4'-6.0'	2.5Y 6/3	COARSE SAND, SINGLE GRAIN, LOOSE, COBBLES THROUGHOUT

TERMINATED: 6.0'
E.S.H.W.T.: N/A
ROOTS FEW AND FINE TO 1.4'
GROUND WATER OBSERVED: N/A
P= 4 MIN./IN.

TERMINATED: 6.0'
E.S.H.W.T.: N/A
ROOTS FEW AND FINE TO 1.4'
GROUND WATER OBSERVED: N/A
P= 4 MIN./IN.

CITY OF DOVER PLANNING FILE #

REVISION	DATE	DESCRIPTION
#1	10-17-24	REVISED UNIT COUNT AND ASSOCIATED MODIFICATIONS

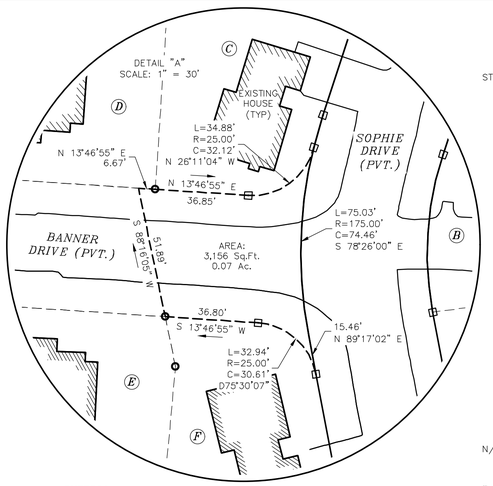
TEST PITS
FOR
KNOX MARSH DEVELOPMENT LLC
LAND OF
5 SHERMAN STREET LLC
1 COLD SPRINGS ROAD
DOVER, N.H.
TAX MAP H, LOT 47-A

BERRY SURVEYING & ENGINEERING
335 SECOND CROWN POINT ROAD
BARRINGTON, NH 03825 (603)332-2863

DATE : SEPTEMBER 1, 2024
FILE NO. : DB 2023 - 126

STATE OF NEW HAMPSHIRE
KENNETH A. BERRY
No. 14284
LICENSED PROFESSIONAL ENGINEER

NOT FOR CONSTRUCTION



ABUTTERS:

(A) N/F KNOX MARSH DEVELOPMENT, LLC
242 CENTRAL AVE.
DOVER, NH 03820
TAX MAP H, LOT 46
S.C.R.D. BOOK 4844, PAGE 417

(B) N/F LASSOR, JAMESON ARAM & CAITLIN
100 CENTRAL AVE
DOVER, NH 03820
TAX MAP H, LOT 46–1
S.C.R.D. BOOK 5146, PAGE 951

(C) N/F GALLANT, TUCKER & STEFFANY
10 SOPHIE DRIVE
DOVER, NH 03820
TAX MAP H, LOT 46–2
S.C.R.D. BOOK 5147, PAGE 297

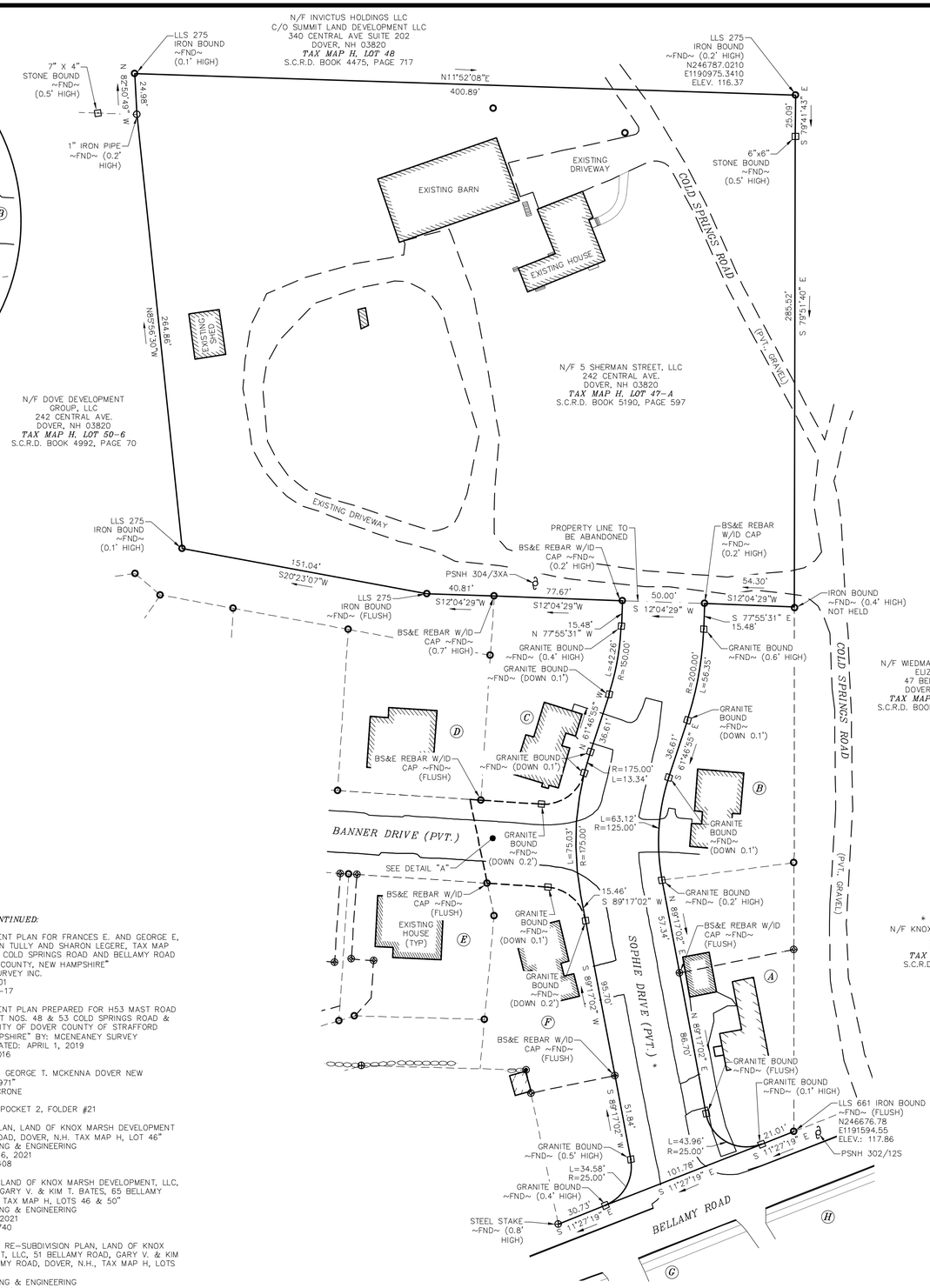
(D) N/F STAHRE, VICTORIA L.
12 SULLIVAN FALLS ROAD
DURHAM, NH 03824
TAX MAP H, LOT 50–10
S.C.R.D. BOOK 5201, PAGE 889

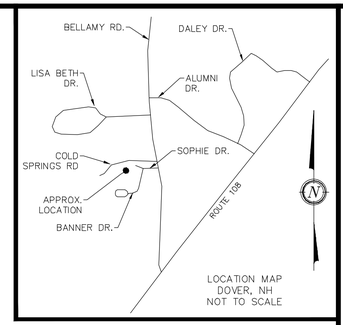
(E) N/F 5 SHERMAN STREET, LLC
242 CENTRAL AVE
DOVER, NH 03820
TAX MAP H, LOT 50–1
S.C.R.D. BOOK 5190, PAGE 597

(F) N/F ROSSI, CHRISTOPHER T. & BAU, CHRISTINA
6 SOPHIE DRIVE
DOVER, NH 03820
TAX MAP H, LOT 46–3
S.C.R.D. BOOK 5149, PAGE 322

(G) N/F KALWAY, STEVEN & KARYANN
54 BELLAMY ROAD
DOVER, NH 03820
TAX MAP H, LOT 4–K
S.C.R.D. BOOK 2188, PAGE 594

(H) N/F FELICIANO, JOSE
50 BELLAMY ROAD
DOVER, NH 03820
TAX MAP H, LOT 6–K
S.C.R.D. BOOK 4326, PAGE 196





NOTES:

1.) OWNER: 5 SHERMAN STREET LLC
242 CENTRAL AVENUE
DOVER, NH 03820
OWNER SIGNATURE

2.) TAX MAP H, LOT 47–A

3.) S.C.R.D. BOOK 5190, PAGE 597

4.) LOT AREA: 117,854 Sq.Ft., 2.71 Ac.

5.) OWNER: KNOX MARSH DEVELOPMENT, LLC
242 CENTRAL AVENUE
DOVER, NH 03820
OWNER SIGNATURE

6.) TAX MAP H, LOT 46–DRV

7.) S.C.R.D. BOOK 4844, PAGE 417

8.) LOT AREA: 18,096 Sq.Ft., 0.42 Ac.

9.) MERGED LOT AREA: 135,950 Sq.Ft., 3.12 Ac.

10.) THE INTENT OF THIS PLAN IS TO SHOW THE MERGER OF TAX MAP H, LOT 47–A AND THE ROAD RIGHT–OF–WAY OF SOPHIE DRIVE, TAX MAP H, LOT 46–DRV. SOPHIE DRIVE RIGHT–OF–WAY WILL BE BECOME PART OF TAX MAP H, LOT 47–A.

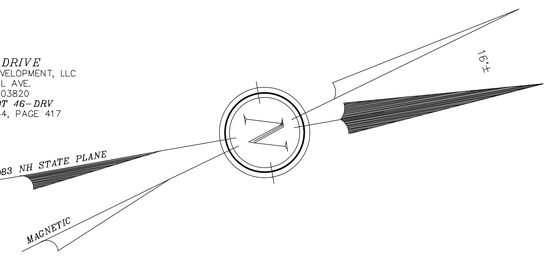
11.) VERTICAL DATUM BASED ON NAVD88 ELEVATIONS. HORIZONTAL DATUM BASED ON NAD83 STATE PLANE. COORDINATES GATHERED USING CARLSON BRX7 SURVEY GRADE GPS RECEIVERS.

12.) THE BOUNDARY LINES SHOWN ON THIS PLAN ARE THE RESULT OF A CLOSED TRAVERSE PERFORMED BY THIS OFFICE IN DECEMBER OF 2023 WITH AN ERROR OF CLOSURE BETTER THAN 1 PART IN 10,000.

LEGEND:

- STONE / GRANITE BOUND (FND)
- IRON BOUND/ 3/4" REBAR (FND)
- 1/2" REBAR (FND)
- IRON PIPE (FND)
- STEEL STAKE (FND)
- DRILL HOLE (FND)
- UTILITY POLE
- ABUTTING PROPERTY LINE
- EXISTING EASEMENT LINE
- PROPERTY LINE TO BE ABANDONED
- FND FOUND
- TYP TYPICAL
- S.C.R.D. STRAFFORD COUNTY REGISTRY OF DEEDS

** SOPHIE DRIVE*
N/F KNOX MARSH DEVELOPMENT, LLC
242 CENTRAL AVE.
DOVER, NH 03820
TAX MAP H, LOT 46–DRV
S.C.R.D. BOOK 4844, PAGE 417



GRAPHIC SCALE

40 0 20 40 80 160

(IN FEET)
1 inch = 40 ft.

I CERTIFY THAT THIS SURVEY PLAT IS NOT A SUBDIVISION PURSUANT TO THIS TITLE AND THAT THE LINES OF STREETS AND WAYS SHOWN ARE THOSE OF PUBLIC OR PRIVATE STREETS OR WAYS ALREADY ESTABLISHED AND THAT NO NEW WAYS ARE SHOWN.

KENNETH A. BERRY L.L.S. 805 DATE

PLAN REFERENCES:

1.) "PLAN OF LAND ERNEST I. & LOIS B. ESTES DOVER, NEW HAMPSHIRE"
BY: K.E. MOORE & B.G. STAPLES LAND SURVEYORS
DATED: OCTOBER 1972
S.C.R.D. PLAN #60, POCKET #2, FOLDER #19

2.) "PLAN OF LAND ALBERT P. & SYLVIA P. MARCOTTE DOVER NEW HAMPSHIRE"
BY: K.E. MOORE & B.G. STAPLES LAND SURVEYORS
DATED: JANUARY, 1974
S.C.R.D. PLAN #49, POCKET #11, FOLDER #1

3.) "MINOR SUBDIVISION OF LAND PREPARED FOR THERESA GAGNE 45 BELLAMY ROAD DOVER NEW HAMPSHIRE"
BY: MCENEANEY SURVEY ASSOCIATES INC.
DATED: JULY 5, 1995
S.C.R.D. PLAN # 46–65

4.) "PLAN OF LOT LINE ADJUSTMENTS PREPARED FOR MAST ROAD SAND AND GRAVEL AND FRANCES E. AND GEORGE E. DOWALIBY MAST ROAD & COLD SPRINGS ROAD DOVER, NEW HAMPSHIRE"
BY:MCENEANEY SURVEY ASSOCIATES INC.
DATED: MARCH 11, 1997
S.C.R.D. PLAN # 49–95

5.) "PLAN OF LOT LINE ADJUSTMENTS FOR FRANCES E. AND GEORGE E. DOWALIBY AND LOIS B. AND ERNEST I. ESTES TAX MAP H, LOTS 47A & 50, COLD SPRING ROAD AND BELLAMY ROAD DOVER, STRAFFORD COUNTY, NEW HAMPSHIRE"
BY: K E M LAND SURVEY, INC.
DATED: AUGUST 30, 1999
S.C.R.D PLAN # 57–42

6.) "PLAN OF LAND FOR CHRISTOPHER T. OGDEN & KATHLEEN M. HICKEY, 1 MARLBORO STREET, NEWBURYPORT, MA OF LAND AT 51 BELLAMY ROAD DOVER, NH"
BY: K E M LAND SURVEY, INC.
DATED: DECEMBER, 2000
S.C.R.D PLAN # 61–17

PLAN REFERENCES CONTINUED:

7.) "LOT LINE ADJUSTMENT PLAN FOR FRANCES E. AND GEORGE E, DOWALIBY AND KEVIN TULLY AND SHARON LEGERE, TAX MAP H, LOTS 47A & 48, COLD SPRINGS ROAD AND BELLAMY ROAD DOVER, STRAFFORD COUNTY, NEW HAMPSHIRE"
BY: K E M LAND SURVEY INC.
DATED: JUNE 3, 2001
S.C.R.D. PLAN # 63–17

8.) "LOT LINE ADJUSTMENT PLAN PREPARED FOR H53 MAST ROAD LLC TAX MAP H, LOT NOS. 48 & 53 COLD SPRINGS ROAD & STONEWALL DRIVE CITY OF DOVER COUNTY OF STRAFFORD STATE OF NEW HAMPSHIRE" BY: MCENEANEY SURVEY ASSOCIATES, INC. DATED: APRIL 1, 2019
S.C.R.D. PLAN # 12016

9.) "PLAN OF LOT A FOR GEORGE T. MCKENNA DOVER NEW HAMPSHIRE APRIL 1971"
BY: ROBERT W. MCCRONE
DATED: APRIL, 1971
S.C.R.D. PLAN #59, POCKET 2, FOLDER #21

10.) "TDR SUBDIVISION PLAN, LAND OF KNOX MARSH DEVELOPMENT LLC, 51 BELLAMY ROAD, DOVER, N.H. TAX MAP H, LOT 46"
BY: BERRY SURVEYING & ENGINEERING
DATED: FEBRUARY 16, 2021
S.C.R.D. PLAN # 12408

11.) "LOT LINE REVISION, LAND OF KNOX MARSH DEVELOPMENT, LLC, 51 BELLAMY ROAD, GARY V. & KIM T. BATES, 65 BELLAMY ROAD, DOVER, N.H., TAX MAP H, LOTS 46 & 50"
BY: BERRY SURVEYING & ENGINEERING
DATED: AUGUST 5, 2021
S.C.R.D. PLAN # 12740

12.) "TDR SUBDIVISION & RE–SUBDIVISION PLAN, LAND OF KNOX MARSH DEVELOPMENT, LLC, 51 BELLAMY ROAD, GARY V. & KIM T. BATES, 65 BELLAMY ROAD, DOVER, N.H., TAX MAP H, LOTS 46 & 50"
BY: BERRY SURVEYING & ENGINEERING
DATED: AUGUST 5, 2021
S.C.R.D. PLAN # 12741

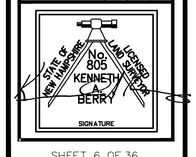
CITY OF DOVER PLANNING FILE #

REVISION	DATE	DESCRIPTION
#1	10–17–24	REVISED UNIT COUNT AND ASSOCIATED MODIFICATIONS

LOT MERGER PLAN
FOR
KNOX MARSH DEVELOPMENT LLC
LAND OF
5 SHERMAN STREET LLC
1 COLD SPRINGS ROAD
DOVER, N.H.
TAX MAP H, LOT 47–A

BERRY SURVEYING & ENGINEERING
335 SECOND CROWN POINT ROAD
BARRINGTON, NH 03825 (603)332–2863

SCALE : 1 IN. EQUALS 40 FT.
DATE : SEPTEMBER 1, 2024
FILE NO. : DB 2023 – 126



NOT FOR CONSTRUCTION

PLAN REFERENCES:

1.) "PLAN OF LAND ERNEST I. & LOIS B. ESTES DOVER, NEW HAMPSHIRE"
BY: K.E. MOORE & B.G. STAPLES LAND SURVEYORS
DATED: OCTOBER 1972
S.C.R.D. PLAN #60, POCKET #2, FOLDER #19

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BY: K.E. MOORE & B.G. STAPLES LAND SURVEYORS
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BY: MCENEANEY SURVEY ASSOCIATES INC.
DATED: JULY 5, 1995
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PLAN REFERENCES CONTINUED:

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5.) "PLAN OF LOT LINE ADJUSTMENTS FOR FRANCES E. AND GEORGE E. DOWALIBY AND LOIS B. AND ERNEST I. ESTES TAX MAP H, LOTS 47A & 50, COLD SPRING ROAD AND BELLAMY ROAD DOVER, STRAFFORD COUNTY, NEW HAMPSHIRE"
BY: K E M LAND SURVEY, INC.
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S.C.R.D PLAN # 57-42

6.) "PLAN OF LAND FOR CHRISTOPHER T. OGDEN & KATHLEEN M. HICKEY, 1 MARLBORO STREET, NEWBURYPORT, MA OF LAND AT 51 BELLAMY ROAD DOVER, NH"
BY: K E M LAND SURVEY, INC.
DATED: DECEMBER, 2000
S.C.R.D PLAN # 61-17

PLAN REFERENCES CONTINUED:

7.) "LOT LINE ADJUSTMENT PLAN FOR FRANCES E. AND GEORGE E, DOWALIBY AND KEVIN TULLY AND SHARON LEGERE, TAX MAP H, LOTS 47A & 48, COLD SPRINGS ROAD AND BELLAMY ROAD DOVER, STRAFFORD COUNTY, NEW HAMPSHIRE"
BY: K E M LAND SURVEY INC.
DATED: JUNE 3, 2001
S.C.R.D. PLAN # 63-17

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S.C.R.D. PLAN # 12016

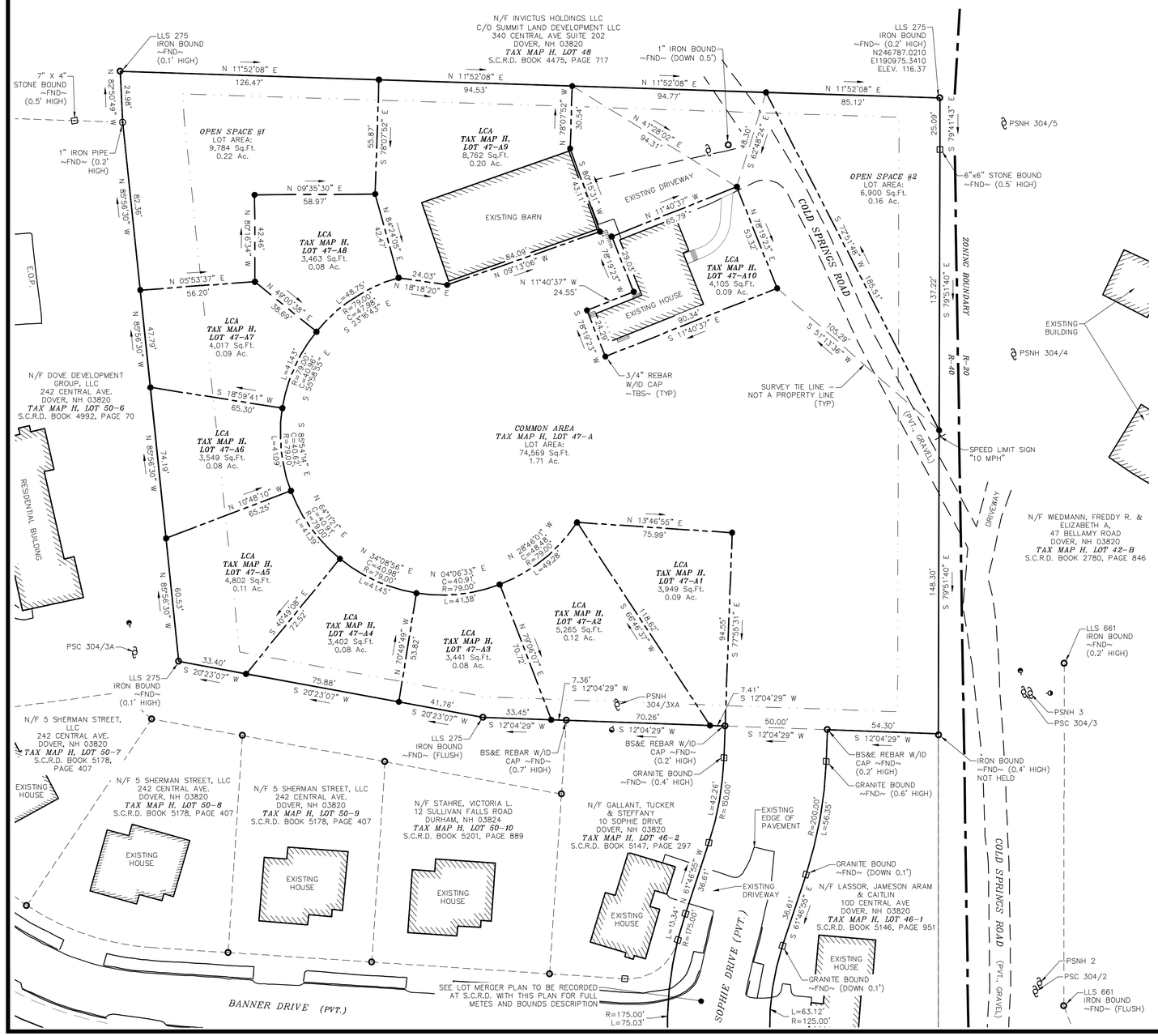
9.) "PLAN OF LOT A FOR GEORGE T. MCKENNA DOVER NEW HAMPSHIRE APRIL 1971"
BY: ROBERT W. MCCRONE
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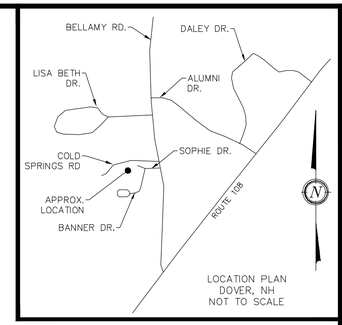
PLAN REFERENCES CONTINUED:

10.) "TDR SUBDIVISION PLAN, LAND OF KNOX MARSH DEVELOPMENT LLC, 51 BELLAMY ROAD, DOVER, N.H. TAX MAP H, LOT 46"
BY: BERRY SURVEYING & ENGINEERING
DATED: FEBRUARY 16, 2021
S.C.R.D. PLAN # 12408

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BY: BERRY SURVEYING & ENGINEERING
DATED: AUGUST 5, 2021
S.C.R.D. PLAN # 12740

12.) "TDR SUBDIVISION & RE-SUBDIVISION PLAN, LAND OF KNOX MARSH DEVELOPMENT, LLC, 51 BELLAMY ROAD, GARY V. & KIM T. BATES, 65 BELLAMY ROAD, DOVER, N.H., TAX MAP H, LOTS 46 & 50"
BY: BERRY SURVEYING & ENGINEERING
DATED: AUGUST 5, 2021
S.C.R.D. PLAN # 12741





NOTES:

1.) OWNER: 5 SHERMAN STREET LLC
242 CENTRAL AVENUE
DOVER, NH 03820

APPLICANT: KNOX MARSH DEVELOPMENT LLC
242 CENTRAL AVENUE
DOVER, NH 03820

2.) TAX MAP H, LOT 47-A

3.) S.C.R.D. BOOK 5190, PAGE 597

4.) LOT AREA: 135,950 Sq.Ft., 3.12 Ac.

5.) ZONING R-40 (RURAL RESIDENTIAL)
SETBACKS:
FRONT ~ 40'
SIDE ~ 25'
REAR ~ 30'
MIN. LOT SIZE: 40,000 Sq. Ft.
MIN. FRONTAGE: 150'
MAX. LOT COVERAGE: 10%
MAX. BUILDING HEIGHT: 35'

6.) THE INTENT OF THIS PLAN IS TO SHOW THE SUBDIVISION INTO CONDOMINIUM LOTS OF TAX MAP H, LOT 47-A, LOCATED IN DOVER, N.H..

7.) I HEREBY CERTIFY THAT, TO THE BEST OF MY KNOWLEDGE AND BELIEF, THIS PROPERTY DOES NOT FALL WITHIN THE FLOOD PLAIN. FLOOD HAZARD REF: FEMA, COMMUNITY #330145, MAP #33017C0320E, DATED: SEPTEMBER 30, 2015.

8.) VERTICAL DATUM BASED ON NAVD88 ELEVATIONS. HORIZONTAL DATUM BASED ON NAD83 STATE PLANE. COORDINATES GATHERED USING CARLSON BRX7 SURVEY GRADE GPS RECEIVERS.

9.) THE BOUNDARY LINES SHOWN ON THIS PLAN ARE THE RESULT OF A CLOSED TRAVERSE PERFORMED BY THIS OFFICE IN DECEMBER OF 2023 WITH AN ERROR OF CLOSURE BETTER THAN 1 PART IN 10,000.

10.) THIS SITE WILL BE SERVICED BY ONSITE SEWER AND WATER.

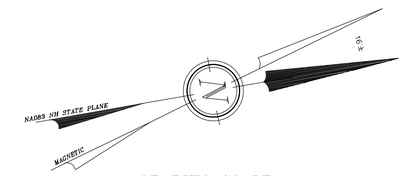
11.) NO WETLANDS WERE FOUND ON SITE, SEE WETLAND NOTE ON SITE SPECIFIC SOILS MAP.

12.) NO CEMETERIES WERE FOUND ON THE SITE AS OF THE DATE OF THE FIELD SURVEY.

LEGEND:

- 3/4" REBAR W/ID CAP (TBS)
- STONE/GRANITE BOUND (FND)
- IRON BOUND (FND)
- IRON PIPE (FND)
- UTILITY POLE / GUY WIRE
- SINGLE POST SIGN
- ABUTTING PROPERTY LINE
- BUILDING SETBACK LINE
- ZONING BOUNDARY
- PROPOSED LCA LINE
- SURVEY TIE LINE, NOT A PROPERTY LINE

FND FOUND
TYP TYPICAL
TBS TO BE SET
S.C.R.D. STRAFFORD COUNTY REGISTRY OF DEEDS



APPROVED DOVER

I CERTIFY THAT THIS PLAT EXCEEDS THE MINIMUM REQUIREMENT FOR ACCURACY AND COMPLETENESS OF THE STATE OF N.H. AND OF THE CITY OF DOVER, N.H. – 1:10,000–

KENNETH A. BERRY L.L.S. 805 DATE

CITY OF DOVER PLANNING FILE #

REVISION	DATE	DESCRIPTION
#1	10-17-24	REVISED UNIT COUNT AND ASSOCIATED MODIFICATIONS

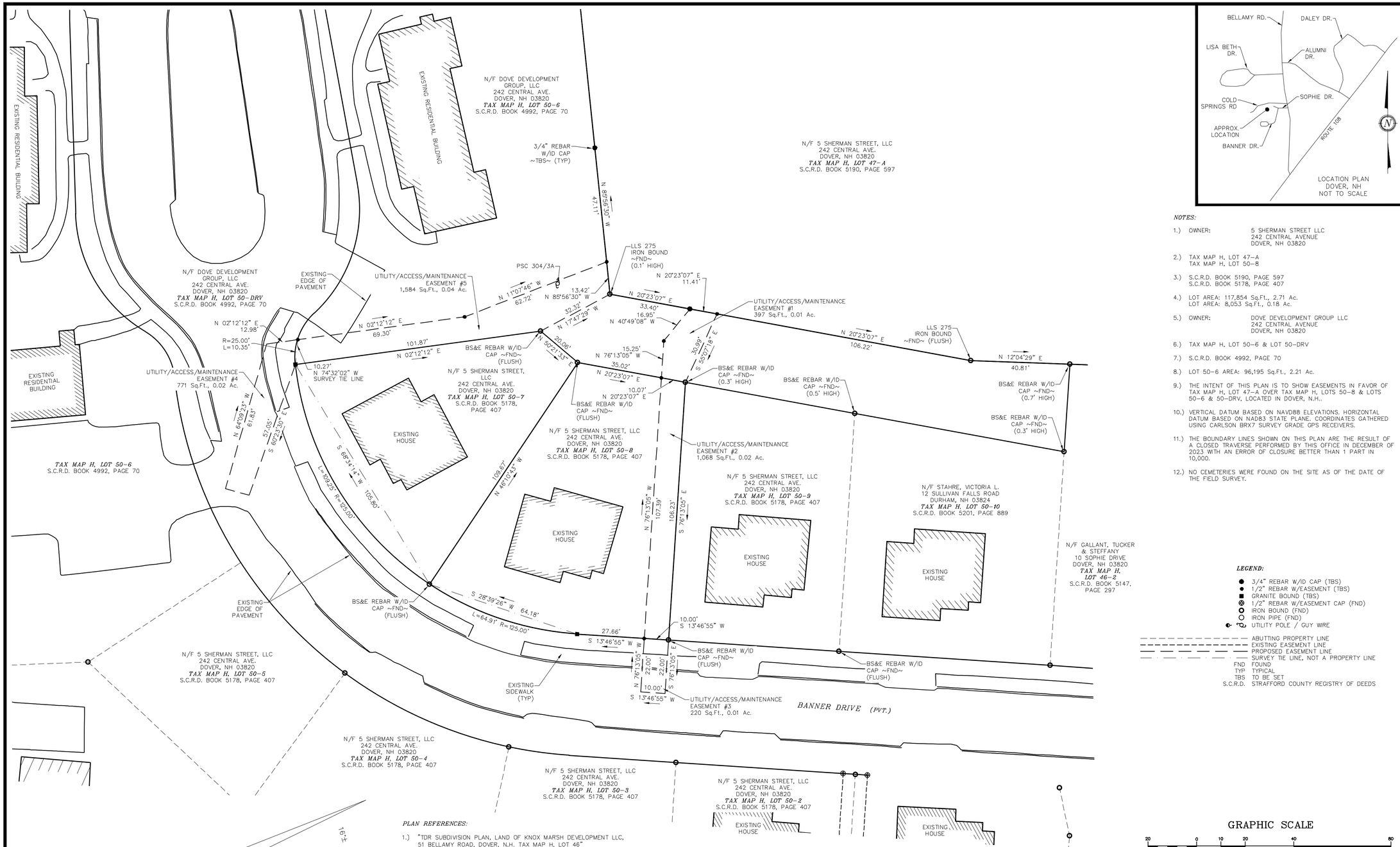
CONDOMINIUM SUBDIVISION
FOR
KNOX MARSH DEVELOPMENT LLC
LAND OF
5 SHERMAN STREET LLC
1 COLD SPRINGS ROAD
DOVER, N.H.
TAX MAP H, LOT 47-A

BERRY & SURVEYING ENGINEERING
335 SECOND CROWN POINT ROAD
BARRINGTON, NH 03825 (603)332-2863

SCALE : 1 IN. EQUALS 30 FT.
DATE : SEPTEMBER 1, 2024
FILE NO. : DB 2023 – 126

STATE OF NEW HAMPSHIRE LICENSED LAND SURVEYOR No. 805 KENNETH A. BERRY SIGNATURE

NOT FOR CONSTRUCTION



NOTES:

1.) OWNER: 5 SHERMAN STREET LLC
242 CENTRAL AVENUE
DOVER, NH 03820

2.) TAX MAP H, LOT 47-A
TAX MAP H, LOT 50-8

3.) S.C.R.D. BOOK 5190, PAGE 597
S.C.R.D. BOOK 5178, PAGE 407

4.) LOT AREA: 117,854 Sq.Ft., 2.71 Ac.
LOT AREA: 8,053 Sq.Ft., 0.18 Ac.

5.) OWNER: DOVE DEVELOPMENT GROUP LLC
242 CENTRAL AVENUE
DOVER, NH 03820

6.) TAX MAP H, LOT 50-6 & LOT 50-DRV

7.) S.C.R.D. BOOK 4992, PAGE 70

8.) LOT 50-6 AREA: 96,195 Sq.Ft., 2.21 Ac.

9.) THE INTENT OF THIS PLAN IS TO SHOW EASEMENTS IN FAVOR OF TAX MAP H, LOT 47-A OVER TAX MAP H, LOTS 50-8 & LOTS 50-6 & 50-DRV, LOCATED IN DOVER, N.H..

10.) VERTICAL DATUM BASED ON NAVD88 ELEVATIONS. HORIZONTAL DATUM BASED ON NAD83 STATE PLANE. COORDINATES GATHERED USING CARLSON BRX7 SURVEY GRADE GPS RECEIVERS.

11.) THE BOUNDARY LINES SHOWN ON THIS PLAN ARE THE RESULT OF A CLOSED TRAVERSE PERFORMED BY THIS OFFICE IN DECEMBER OF 2023 WITH AN ERROR OF CLOSURE BETTER THAN 1 PART IN 10,000.

12.) NO CEMETERIES WERE FOUND ON THE SITE AS OF THE DATE OF THE FIELD SURVEY.

PLAN REFERENCES:

1.) "TDR SUBDIVISION PLAN, LAND OF KNOX MARSH DEVELOPMENT LLC, 51 BELLAMY ROAD, DOVER, N.H. TAX MAP H, LOT 46"
BY: BERRY SURVEYING & ENGINEERING
DATED: FEBRUARY 16, 2021
S.C.R.D. PLAN # 12408

2.) "LOT LINE REVISION, LAND OF KNOX MARSH DEVELOPMENT, LLC, 51 BELLAMY ROAD, GARY V. & KIM T. BATES, 65 BELLAMY ROAD, DOVER, N.H., TAX MAP H, LOTS 46 & 50"
BY: BERRY SURVEYING & ENGINEERING
DATED: AUGUST 5, 2021
S.C.R.D. PLAN # 12740

3.) "TDR SUBDIVISION & RE-SUBDIVISION PLAN, LAND OF KNOX MARSH DEVELOPMENT, LLC, 51 BELLAMY ROAD, GARY V. & KIM T. BATES, 65 BELLAMY ROAD, DOVER, N.H., TAX MAP H, LOTS 46 & 50"
BY: BERRY SURVEYING & ENGINEERING
DATED: AUGUST 5, 2021
S.C.R.D. PLAN # 12741

LEGEND:

- 3/4" REBAR W/ID CAP (TBS)
- 1/2" REBAR W/EASEMENT (TBS)
- GRANITE BOUND (TBS)
- 1/2" REBAR W/EASEMENT CAP (FND)
- IRON BOUND (FND)
- IRON PIPE (FND)
- UTILITY POLE / GUY WIRE

ABUTTING PROPERTY LINE
EXISTING EASEMENT LINE
PROPOSED EASEMENT LINE
SURVEY TIE LINE, NOT A PROPERTY LINE

FND FOUND
TYP TYPICAL
TBS TO BE SET
S.C.R.D. STRAFFORD COUNTY REGISTRY OF DEEDS

GRAPHIC SCALE

20 0 10 20 40 80

(IN FEET)
1 inch = 20 ft.

I CERTIFY THAT THIS SURVEY PLAT IS NOT A SUBDIVISION PURSUANT TO THIS TITLE AND THAT THE LINES OF STREETS AND WAYS SHOWN ARE THOSE OF PUBLIC OR PRIVATE STREETS OR WAYS ALREADY ESTABLISHED AND THAT NO NEW WAYS ARE SHOWN.

KENNETH A. BERRY L.L.S. 805 DATE

CITY OF DOVER PLANNING FILE #

REVISION	DATE	DESCRIPTION
#1	10-17-24	REVISED UNIT COUNT AND ASSOCIATED MODIFICATIONS

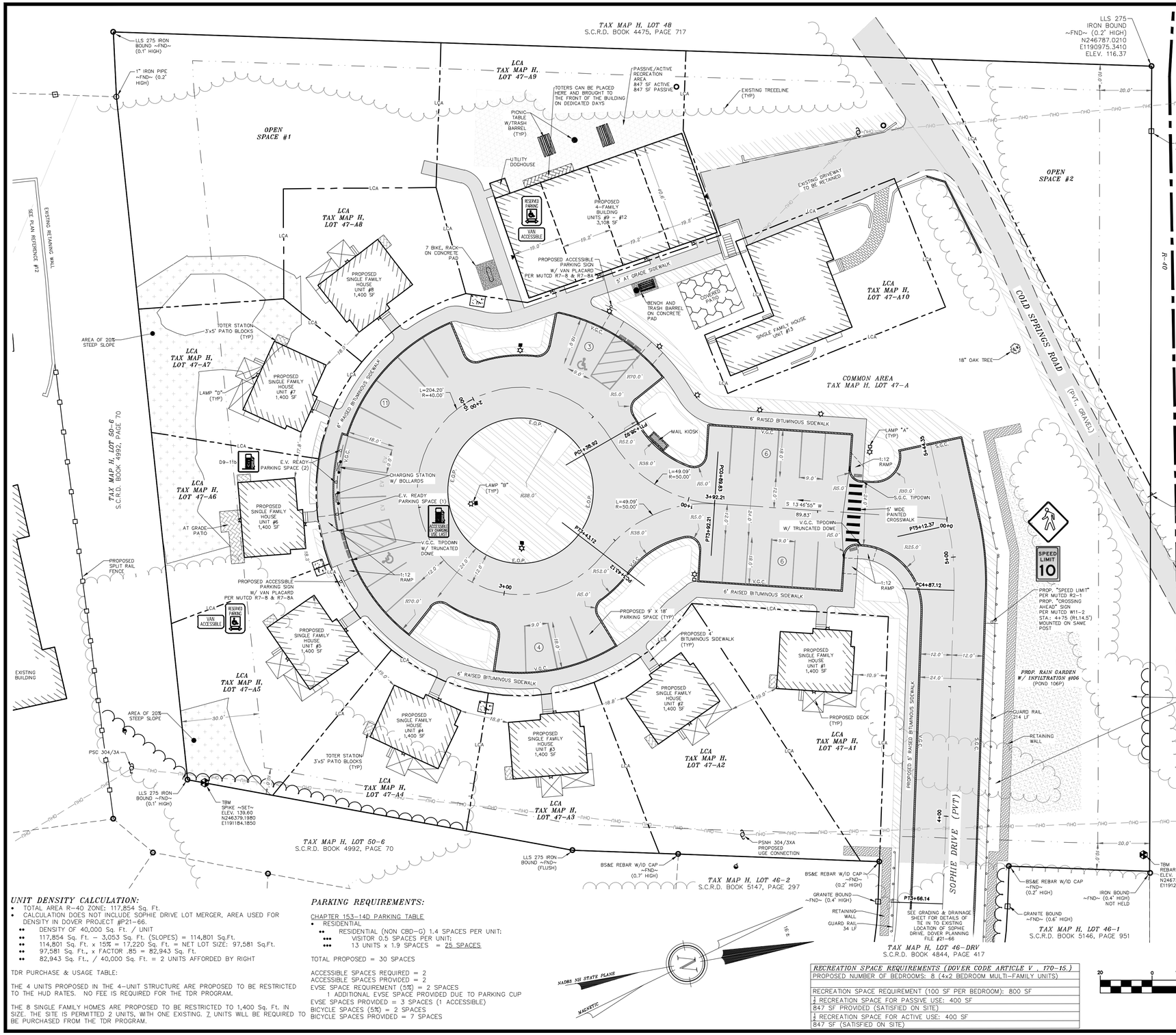
EASEMENT PLAN
FOR
KNOX MARSH DEVELOPMENT LLC
LAND OF
5 SHERMAN STREET LLC
1 COLD SPRINGS ROAD
DOVER, N.H.
TAX MAP H, LOT 47-A

BERRY SURVEYING & ENGINEERING
335 SECOND CROWN POINT ROAD
BARRINGTON, NH 03825 (603)332-2863

SCALE : 1 IN. EQUALS 20 FT.
DATE : SEPTEMBER 1, 2024
FILE NO. : DB 2023 - 126

STATE OF NEW HAMPSHIRE
NO. 805
KENNETH A. BERRY
LICENSED LAND SURVEYOR
SIGNATURE

NOT FOR CONSTRUCTION



NOTES:

1.) OWNER: 5 SHERMAN STREET LLC
242 CENTRAL AVE
DOVER, NH 03820

APPLICANT: KNOX MARSH DEVELOPMENT LLC
242 CENTRAL AVE
DOVER, NH 03820

2.) TAX MAP H, LOT 47-A

3.) S.C.R.D. BOOK 5190, PAGE 597

4.) LOT AREA: 117,854 Sq. Ft., 2.71 Ac.

5.) ZONING R-40 (RURAL RESIDENTIAL)
SETBACKS:
FRONT ~ 40'
SIDE ~ 25'
REAR ~ 30'
MIN. LOT SIZE: 40,000 Sq. Ft.
MIN. FRONTAGE: 150'
MAX. LOT COVERAGE: 10%
MAX. BUILDING HEIGHT: 35'

ZONING: TRANSFER OF DEVELOPMENT RIGHTS (TDR)
LOT SIZE: N/A Sq. Ft.
MAX. LOT COVERAGE: N/A
MINIMUM FRONTAGE: 40'
ABUT A STREET SETBACK: 20'
ABUT A SIDE LOT LINE: 10'
ABUT A REAR LOT LINE: 30'
30' EXTERIOR BUFFER
SEE PROJECT NOTES FOR THE PROVIDED TABLE ON SATISFYING THE ABOVE REQUIREMENT.

6.) THE INTENT OF THIS PLAN IS TO SHOW A SITE PLAN FOR TAX MAP H, LOT 47-A. THIS PLAN REFERENCES THE ORIGINAL SOPHIE DRIVE & BANNER DRIVE APPROVAL, DOVER PLANNING FILE #P21-66.

7.) SEE THE EXISTING CONDITIONS, PAGE 3, FOR COMPLETE ABUTTERS LISTING AND PROJECT NOTES NOTES, PAGE 2, FOR COMPLETE LIST OF SITE PLAN NOTES.

8.) EXISTING BUILDING COVERAGE AREA: 5,364 Sq.Ft., (3.95%) (PERCENTAGES ARE FUNCTION OF LOT MERGER, 135,950 Sq. Ft., 3.12 Ac.)
EXISTING IMPERVIOUS AREA: 16,886 Sq. Ft. (12.41%) (INCLUDES SOPHIE DRIVE)
EXISTING IMPERVIOUS AREA/LOT COVERAGE 22,250 Sq.Ft., (16.37%)

PROPOSED BUILDING IMPERVIOUS AREA: 13,153 Sq. Ft. (11.16%)
PROPOSED ROAD EXPANSION: 19,893 Sq. Ft. (14.6%)
PROPOSED IMPERVIOUS AREA (CURB, WALKS, EX. GRAVEL DRIVEWAY & COLD SPRINGS ROAD): 10,068 Sq. Ft. (7.41%)
TOTAL PROPOSED IMPERVIOUS COVER: 43,114 Sq. Ft. (31.71%)

LEGEND:

- STONE/GRANITE BOUND (FND)
- IRON BOUND (FND)
- IRON PIPE (FND)
- UTILITY POLE / GUY WIRE
- SINGLE POST SIGN
- TEMPORARY BENCHMARK
- ABUTTING PROPERTY LINE
- BUILDING SETBACK LINE
- OHU OHU OHU OVERHEAD UTILITIES
- PROPOSED LCA LINE
- ZONING BOUNDARY
- CENTER LINE
- GUARD RAIL
- FND FOUND
- TYP TYPICAL
- S.C.R.D. STRAFFORD COUNTY REGISTRY OF DEEDS
- LAMP "A" POLE MOUNTED 20' HIGH
- LAMP "B" POLE MOUNTED 16.5' HIGH
- LAMP "C" BUILDING MOUNTED 12' HIGH
- LAMP "D" BUILDING MOUNTED 7' HIGH
- LAMP "E" BOLLARD LIGHT
- SNOW STORAGE
- RECREATION AREA
- TRANSFORMER/CONCRETE PAD
- STORMWATER BMP
- RETAINING WALL

SNOW STORAGE CALCULATION:

- STORAGE CALCULATION (6:1 RATIO USED)
  - •• PAVED AREA, SIDEWALKS, EXISTING GRAVEL DRIVEWAY & COLD SPRINGS ROAD ON SITE = 29,961 Sq.Ft. / 6 = 4,994 Sq.Ft.
  - •• >7,910 Sq.Ft. PROVIDED
  - ••• SNOW SHALL BE REMOVED FROM THE PROPERTY AND DISPOSED OF IN ACCORDANCE WITH ALL LOCAL, STATE, AND FEDERAL REGULATIONS ONCE IDENTIFIED AREAS ARE FULL. WHEN SNOW BANKS ALONG THE ROAD ARE GREATER THAN 2' TALL, SNOW SHOULD BE REMOVED OR PUSHED BACK TO ENSURE ALL SEASON SIGHT DISTANCE.

UNIT DENSITY CALCULATION:

- TOTAL AREA R-40 ZONE: 117,854 Sq. Ft.
- CALCULATION DOES NOT INCLUDE SOPHIE DRIVE LOT MERGER, AREA USED FOR DENSITY IN DOVER PROJECT #P21-66.
  - •• DENSITY OF 40,000 Sq. Ft. / UNIT
  - •• 117,854 Sq. Ft. – 3,053 Sq. Ft. (SLOPES) = 114,801 Sq.Ft.
  - •• 114,801 Sq. Ft. x 15% = 17,220 Sq. Ft. = NET LOT SIZE: 97,581 Sq.Ft.
  - •• 97,581 Sq. Ft., x FACTOR .85 = 82,943 Sq. Ft.
  - •• 82,943 Sq. Ft., / 40,000 Sq. Ft. = 2 UNITS AFFORDED BY RIGHT

TDR PURCHASE & USAGE TABLE:

THE 4 UNITS PROPOSED IN THE 4-UNIT STRUCTURE ARE PROPOSED TO BE RESTRICTED TO THE HUD RATES. NO FEE IS REQUIRED FOR THE TDR PROGRAM.

THE 8 SINGLE FAMILY HOMES ARE PROPOSED TO BE RESTRICTED TO 1,400 Sq. Ft. IN SIZE. THE SITE IS PERMITTED 2 UNITS, WITH ONE EXISTING. 7 UNITS WILL BE REQUIRED TO BE PURCHASED FROM THE TDR PROGRAM.

PARKING REQUIREMENTS:

CHAPTER 153-14D PARKING TABLE
- RESIDENTIAL
  - •• RESIDENTIAL (NON CBD-G) 1.4 SPACES PER UNIT:
  - •••• VISITOR 0.5 SPACES PER UNIT:
  - 1.3 UNITS x 1.9 SPACES = 26 SPACES

TOTAL PROPOSED = 30 SPACES

ACCESSIBLE SPACES REQUIRED = 2
ACCESSIBLE SPACES PROVIDED = 2
EVSE SPACE REQUIREMENT (5%) = 2 SPACES
1 ADDITIONAL EVSE SPACE PROVIDED DUE TO PARKING CUP
EVSE SPACES PROVIDED = 3 SPACES (1 ACCESSIBLE)
BICYCLE SPACES (5%) = 2 SPACES
BICYCLE SPACES PROVIDED = 7 SPACES

RECREATION SPACE REQUIREMENTS (DOVER CODE ARTICLE V , 170-15.)

PROPOSED NUMBER OF BEDROOMS: 8 (4x2 BEDROOM MULTI-FAMILY UNITS)
RECREATION SPACE REQUIREMENT (100 SF PER BEDROOM): 800 SF
½ RECREATION SPACE FOR PASSIVE USE: 400 SF
847 SF PROVIDED (SATISFIED ON SITE)
½ RECREATION SPACE FOR ACTIVE USE: 400 SF
847 SF (SATISFIED ON SITE)

GRAPHIC SCALE
20 0 10 20 40 80
(IN FEET)
1 inch = 20 ft.

APPROVED DOVER

CITY OF DOVER PLANNING FILE #

#	DATE	REVISION
1	10-17-24	REVISED UNIT COUNT AND ASSOCIATED MODIFICATIONS

SITE PLAN
FOR
KNOX MARSH DEVELOPMENT LLC
LAND OF
5 SHERMAN STREET LLC
1 COLD SPRINGS ROAD
DOVER, N.H.
TAX MAP H, LOT 47-A

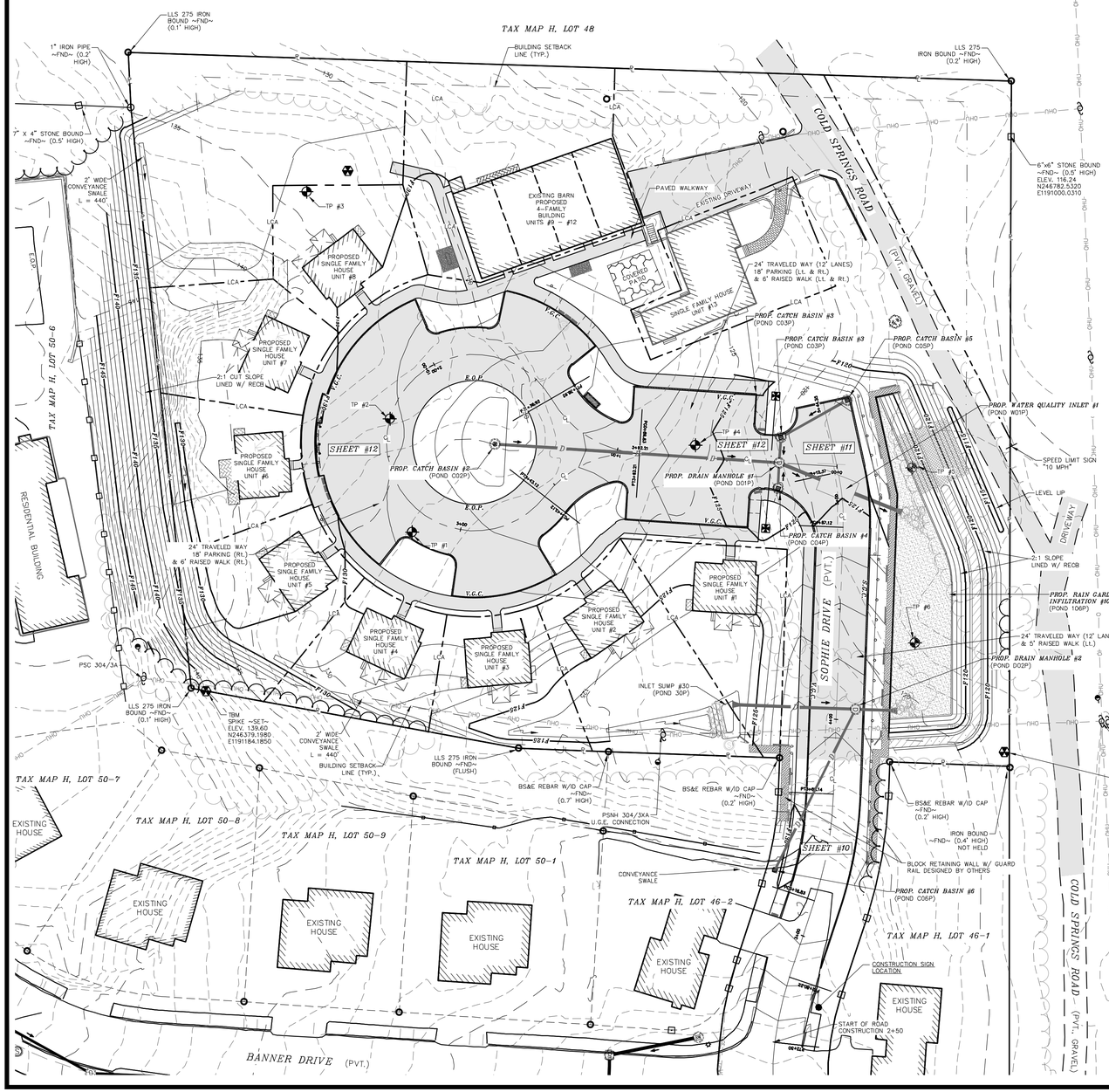
BERRY SURVEYING & ENGINEERING
335 SECOND CROWN POINT ROAD
BARRINGTON, NH 03825 (603)332-2863

SCALE : 1 IN. EQUALS 20 FT.
DATE : SEPTEMBER 1, 2024
FILE NO. : DB 2023 – 126

STATE OF NEW HAMPSHIRE
KENNETH A. BERRY
No. 14243
LICENSED PROFESSIONAL ENGINEER

SHEET 9 OF 36

NOT FOR CONSTRUCTION



LEGEND:

- PROPOSED SEWER MANHOLE W/ STRUCTURE
- PROPOSED CATCH BASIN W/ STRUCTURE
- PROPOSED DRAIN MANHOLE W/ STRUCTURE
- TEMPORARY BENCHMARK (T.B.M.)
- E101 / E6 — DETAIL SHEET / DETAIL
- CONTOUR MINOR, EXISTING
- CONTOUR MAJOR, EXISTING
- CONTOUR MINOR, PROPOSED
- CONTOUR MAJOR, PROPOSED
- CENTER LINE
- GUARD RAIL
- EXISTING WATER MAIN
- EXISTING SEWER LINE
- EXISTING DRAINAGE LINE
- EXISTING OVERHEAD UTILITY
- PROPOSED WATER MAIN
- PROPOSED FIRE PROTECTION
- PROPOSED WATER SERVICE
- PROPOSED SEWER LINE
- PROPOSED DRAINAGE LINE
- PROPOSED UNDERDRAIN
- UNDERGROUND UTILITY
- E175.31 — EXISTING SPOT GRADE
- F175.31 — PROPOSED SPOT GRADE
- FLOW ARROW
- RIP RAP
- STORMWATER BEST MANAGEMENT PRACTICE (BMP)
- BERM
- RETAINING WALL
- TEST PIT
- PROPOSED BITUMINOUS CONCRETE

PROJECT NOTES:

1.) OWNER: 5 SHERMAN STREET LLC
242 CENTRAL AVE
DOVER, NH 03820

APPLICANT: KNOX MARSH DEVELOPMENT LLC
242 CENTRAL AVE
DOVER, NH 03820

2.) TAX MAP H, LOT 47-A

3.) S.C.R.D. BOOK 5190, PAGE 597

4.) LOT AREA: 117,854 Sq. Ft., 2.71 Ac.

5.) THE INTENT OF THIS PLAN IS TO PROVIDE AN OVERVIEW OF GRADING & ENGINEERING DETAILS FOR SOPHIE DRIVE AND TAX MAP H, LOT 47-A.

6.) SEE EROSION & SEDIMENT CONTROL PLANS FOR DETAILS ON PERIMETER CONTROL (MULCH BERM / FENCE / SILT SOXX).

7.) BS&E IS TO PROVIDE ADDITIONAL BENCHMARKS PRIOR TO CONSTRUCTION.

8.) EXISTING AND PROPOSED CONTOURS ARE PROVIDED AT 1' INTERVALS WITH DRAINAGE FEATURES AT MORE PRECISE INTERVALS.

9.) SEE PROJECT NOTES SHEET FOR REMAINING GRADING NOTES. SEE EROSION & SEDIMENT CONTROL PLAN FOR LIMIT OF PROJECT DISTURBANCE.

10.) CATCH BASINS WITHIN ANY GRASS LINED AREAS OUTSIDE THE ROADWAY WILL HAVE "BEE HIVE" GRATES TO NOT ALLOW FOR ENTRAPMENT OF ANIMALS IN THE STRUCTURE. BASINS ARE TO HAVE NH STANDARD FRAMES AND GRATES MADE IN NORTH AMERICA. GRATES ARE TO BE INSTALLED BINDER FLUSH PRIOR TO BASE PAVE. UPON PROJECT COMPLETION FRAMES AND GRATES ARE TO BE CUT AND RIM RAISED TO FINAL PAVEMENT SURFACE. THIS IS TO ENSURE STORMWATER ENTERS THE SYSTEM AS DESIGN DURING THE INTERIM CONSTRUCTION PERIOD.

11.) DESIGN NOTE: THERE IS NO CATCH BASIN #1, CATCH BASIN NUMBERING STARTS WITH #2.

CITY OF DOVER PLANNING FILE #

REVISION	DATE	DESCRIPTION
#1	10-17-24	REVISED UNIT COUNT AND ASSOCIATED MODIFICATIONS

OVERVIEW GRADING PLAN
FOR
KNOX MARSH DEVELOPMENT LLC
LAND OF
5 SHERMAN STREET LLC
1 COLD SPRINGS ROAD
DOVER, N.H.
TAX MAP H, LOT 47-A

BERRY SURVEYING & ENGINEERING
335 SECOND CROWN POINT ROAD
BARRINGTON, NH 03825 (603)332-2863

SCALE : 1 IN. EQUALS 30 FT.
DATE : SEPTEMBER 1, 2024
FILE NO. : DB 2023 - 126

STATE OF NEW HAMPSHIRE
KENNETH A. BERRY
No. 14243
LICENSED PROFESSIONAL ENGINEER

NOT FOR CONSTRUCTION

PROJECT NOTES:

1.) OWNER: 5 SHERMAN STREET LLC
242 CENTRAL AVE
DOVER, NH 03820

APPLICANT: KNOX MARSH DEVELOPMENT LLC
242 CENTRAL AVE
DOVER, NH 03820

2.) TAX MAP H, LOT 47-A

3.) S.C.R.D. BOOK 5190, PAGE 597

4.) LOT AREA: 117,854 Sq. Ft., 2.71 Ac.

5.) THE INTENT OF THIS PLAN IS TO PROVIDE DETAIL OF GRADING & ENGINEERING DETAILS FOR SOPHIE DRIVE AND TAX MAP H, LOT 47-A.

6.) SEE EROSION & SEDIMENT CONTROL PLANS FOR DETAILS ON PERIMETER CONTROL (MULCH BERM / FENCE / SILT SOXX).

7.) BS&E IS TO PROVIDE ADDITIONAL BENCHMARKS PRIOR TO CONSTRUCTION.

8.) EXISTING AND PROPOSED CONTOURS ARE PROVIDED AT 1' INTERVALS WITH DRAINAGE FEATURES AT MORE PRECISE INTERVALS.

9.) SEE PROJECT NOTES SHEET FOR REMAINING GRADING NOTES.

10.)CATCH BASINS WITHIN ANY GRASS LINED AREAS OUTSIDE THE ROADWAY WILL HAVE "BEE HIVE" GRATES TO NOT ALLOW FOR ENTRAPMENT OF ANIMALS IN THE STRUCTURE. BASINS ARE TO HAVE NH STANDARD FRAMES AND GRATES MADE IN NORTH AMERICA. GRATES ARE TO BE INSTALLED BINDER FLUSH PRIOR TO BASE PAVE. UPON PROJECT COMPLETION FRAMES AND GRATES ARE TO BE CUT AND RIM RAISED TO FINAL PAVEMENT SURFACE. THIS IS TO ENSURE STORMWATER ENTERS THE SYSTEM AS DESIGN DURING THE INTERIM CONSTRUCTION PERIOD.

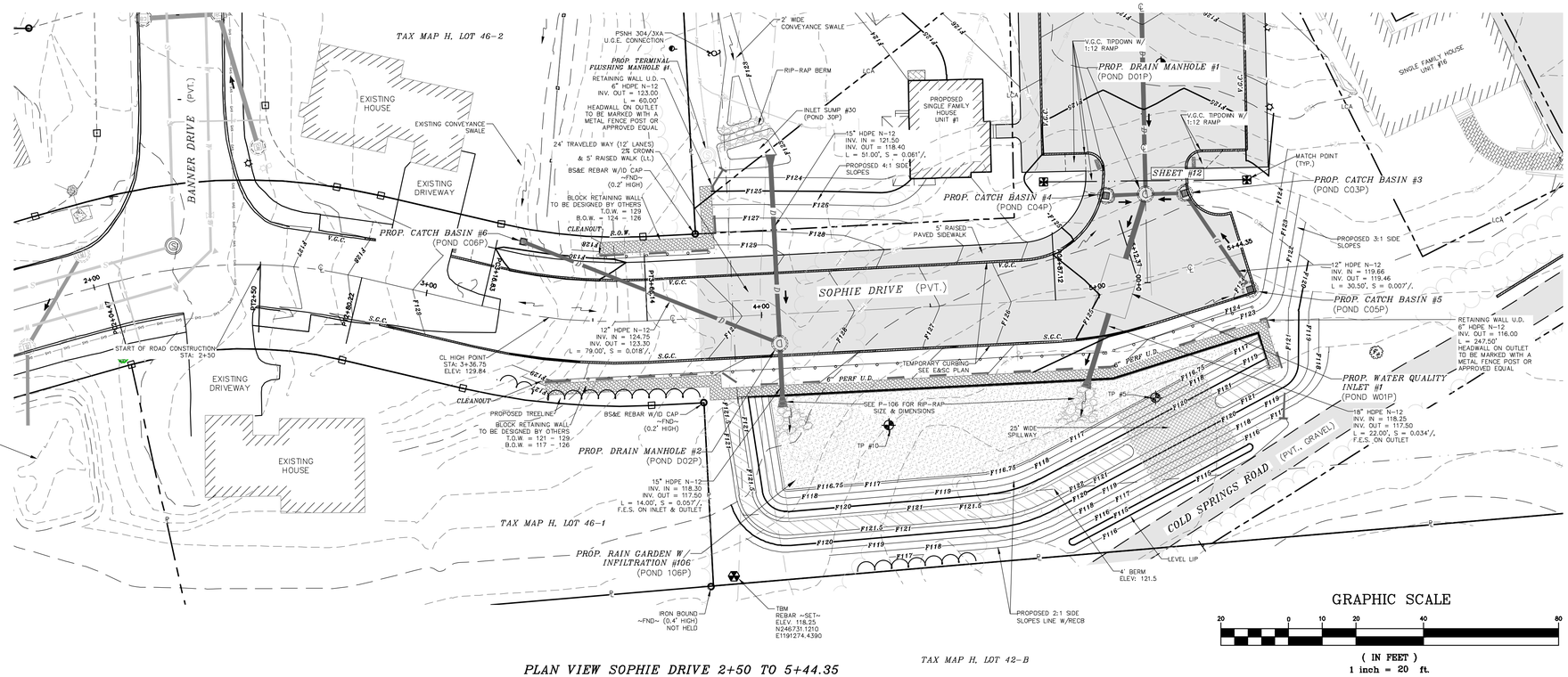
STRUCTURES TABLE:

PROP. CATCH BASIN #5 (POND C05P)
4'ø STRUCTURE W/ TYPE "B" GRATE
STA: 5+43.35 (Rt. 11.00')
RIM = 123.91 (FLUSH)
INV. OUT = 119.66 (12" HDPE N-12) (CB #3)

PROP. WATER QUALITY INLET #1 (POND W01P)
7,500 GAL. CUSTOM TANK W/ RISERS TO SURFACE
TOP INSIDE TANK = 122.25
INV. IN = 118.50 (18 HDPE N-12) (DMH #1)
INV. OUT = 118.25 (18" HDPE N-12) (P106)

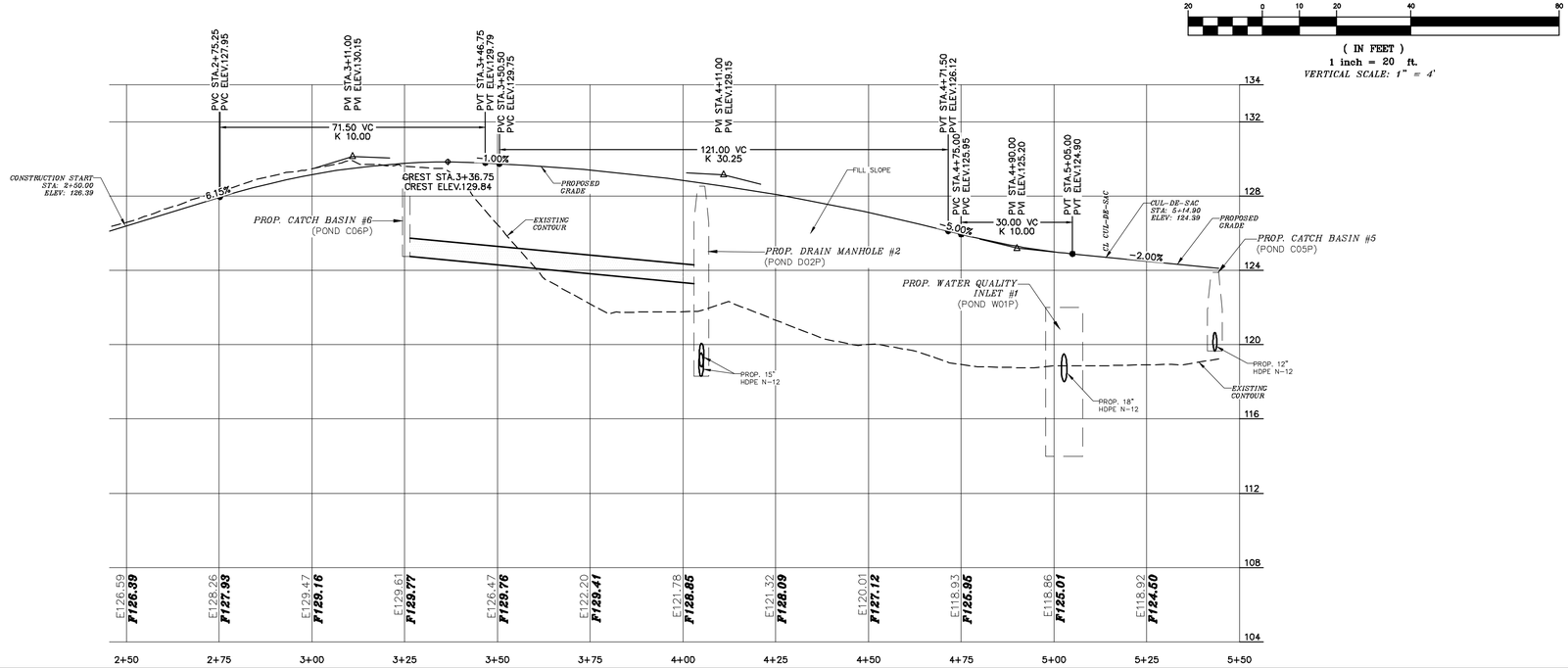
PROP. DRAIN MANHOLE #2 (POND D02P)
4'ø STRUCTURE W/
LIFTMATE R-1743-LM COVER AND FRAME
STA: 4+04.90 (Rt. 8.65')
RIM = 128.55 (FLUSH)
INV. IN = 123.30 (12" HDPE N-12) (CB #6)
INV. IN = 118.40 (15" HDPE N-12) (INLET SUMP 30P)
INV. OUT = 118.30 (15" HDPE N-12) (RG #106)

PROP. CATCH BASIN #6 (POND C06P)
24"ø NYLOPLAST BASIN W/ DOMED GRATE
STA: 3+25.40 (Lt. 21.15')
RIM = 129.00 (FLUSH)
INV. OUT = 124.75 (12" HDPE N-12) (DMH #2)



PLAN VIEW SOPHIE DRIVE 2+50 TO 5+44.35

PROFILE VIEW SOPHIE DRIVE 2+50 TO 5+44.35



LEGEND:

- PROPOSED SEWER MANHOLE W/ STRUCTURE
- PROPOSED CATCH BASIN W/ STRUCTURE
- PROPOSED DRAIN MANHOLE W/ STRUCTURE
- TEMPORARY BENCHMARK (T.B.M.)
- DETAIL SHEET / DETAIL
- CONTOUR MINOR, EXISTING
- CONTOUR MAJOR, EXISTING
- CONTOUR MINOR, PROPOSED
- CONTOUR MAJOR, PROPOSED
- CENTER LINE
- GUARD RAIL
- EXISTING WATER MAIN
- EXISTING SEWER LINE
- EXISTING DRAINAGE LINE
- EXISTING OVERHEAD UTILITY
- PROPOSED WATER MAIN
- PROPOSED FIRE PROTECTION
- PROPOSED WATER SERVICE
- PROPOSED SEWER LINE
- PROPOSED DRAINAGE LINE
- PROPOSED UNDERDRAIN
- UNDERGROUND UTILITY
- EXISTING SPOT GRADE
- PROPOSED SPOT GRADE
- FLOW ARROW
- RIP RAP
- STORMWATER BEST MANAGEMENT PRACTICE (BMP)
- BERM
- RETAINING WALL
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- PROPOSED BITUMINOUS CONCRETE

CITY OF DOVER PLANNING FILE #

#	REVISION	DATE	DESCRIPTION
1		10-17-24	REVISED UNIT COUNT AND ASSOCIATED MODIFICATIONS

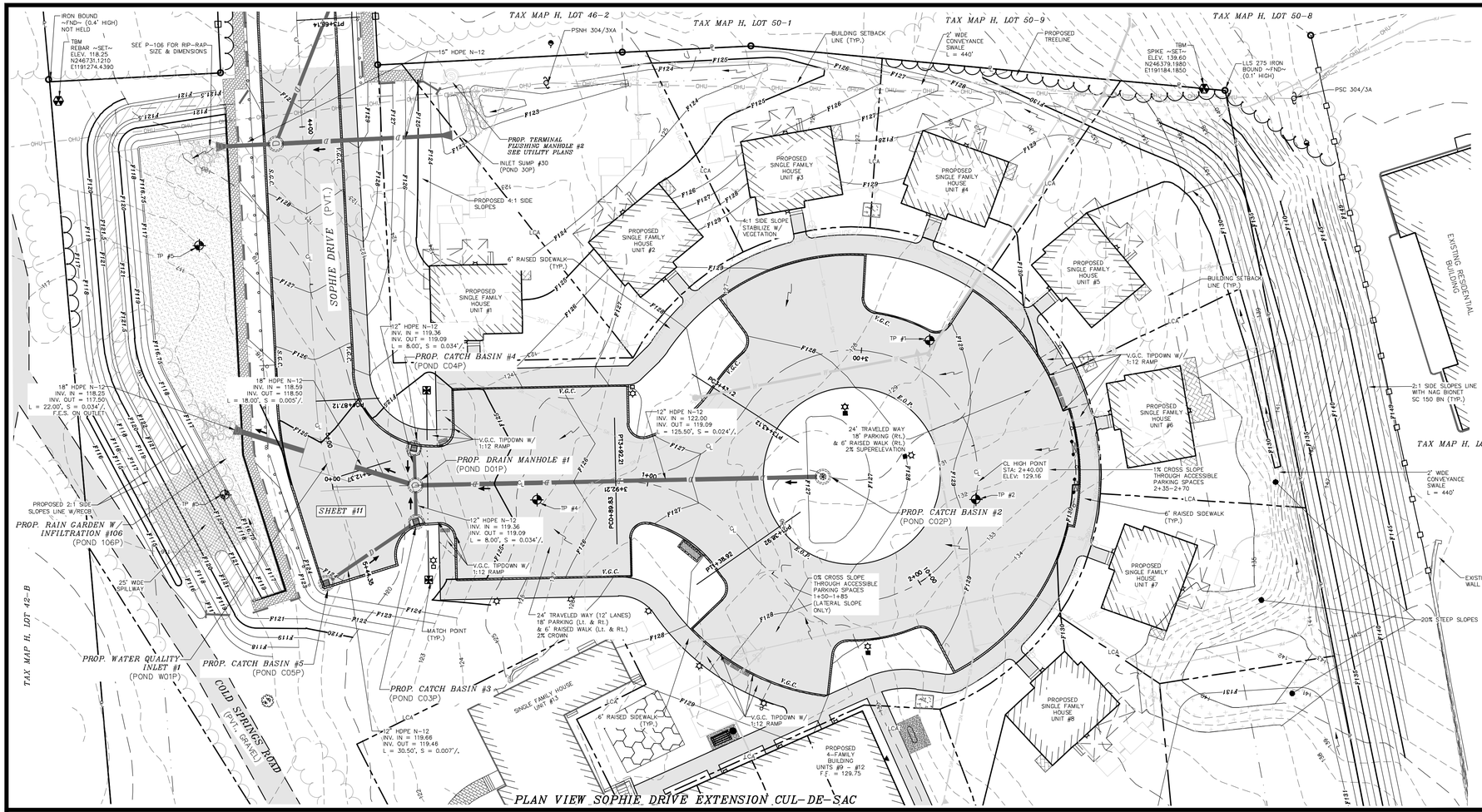
PLAN AND PROFILE SOPHIE DRIVE 2+50 TO 5+44.35
FOR
KNOX MARSH DEVELOPMENT LLC
LAND OF
5 SHERMAN STREET LLC
1 COLD SPRINGS ROAD
DOVER, N.H.
TAX MAP H, LOT 47-A

BERRY SURVEYING & ENGINEERING
335 SECOND CROWN POINT ROAD
BARRINGTON, NH 03825 (603)332-2863

SCALE : 1 IN. EQUALS 20 FT.
DATE : SEPTEMBER 1, 2024
FILE NO. : DB 2023 – 126

KENNETH A. BERRY No. 14249 LICENSED PROFESSIONAL ENGINEER - STATE OF NEW HAMPSHIRE

NOT FOR CONSTRUCTION



PLAN VIEW SOPHIE DRIVE EXTENSION CUL-DE-SAC

GRAPHIC SCALE

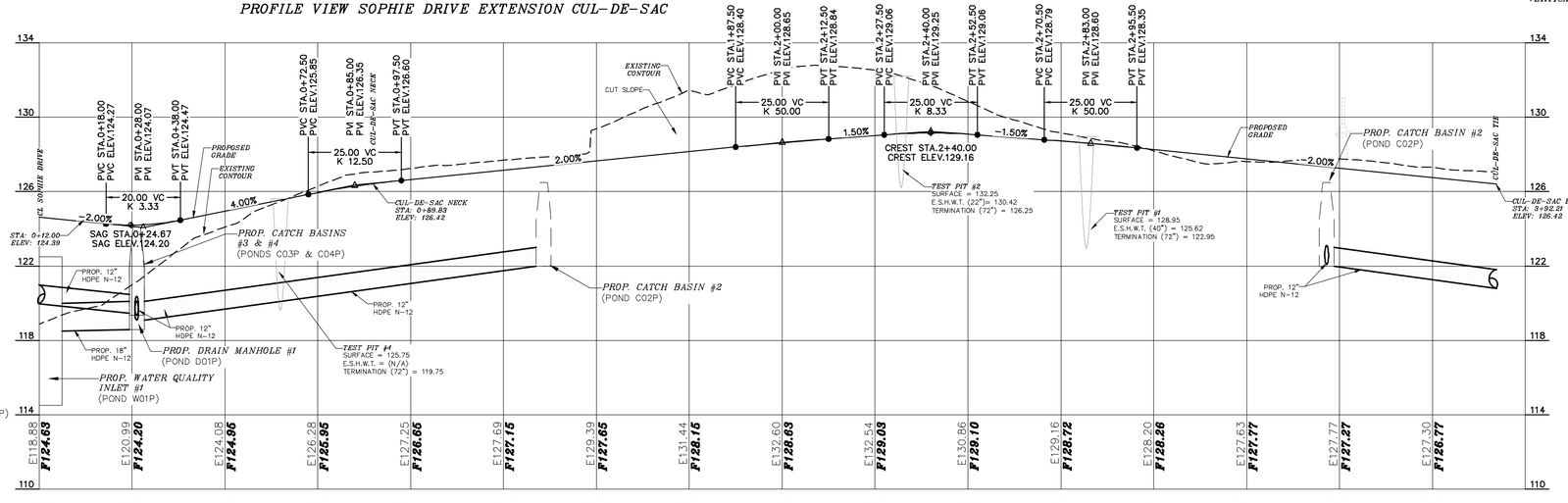
20 0 10 20 40 80

(IN FEET)
1 inch = 20 ft.
VERTICAL SCALE: 1" = 4'

LEGEND:

- PROPOSED SEWER MANHOLE W/ STRUCTURE
- PROPOSED CATCH BASIN W/ STRUCTURE
- PROPOSED DRAIN MANHOLE W/ STRUCTURE
- TEMPORARY BENCHMARK (T.B.M.)
- E101 / E6 — DETAIL SHEET / DETAIL
- 176 — CONTOUR MINOR, EXISTING
- 175 — CONTOUR MAJOR, EXISTING
- PY76 — CONTOUR MINOR, PROPOSED
- PY75 — CONTOUR MAJOR, PROPOSED
- CENTER LINE
- GUARD RAIL
- EXISTING WATER MAIN
- EXISTING SEWER LINE
- EXISTING DRAINAGE LINE
- EXISTING OVERHEAD UTILITY
- PROPOSED WATER MAIN
- PROPOSED FIRE PROTECTION
- PROPOSED WATER SERVICE
- PROPOSED SEWER LINE
- PROPOSED DRAINAGE LINE
- PROPOSED UNDERDRAIN
- UNDERGROUND UTILITY
- E175.31 — EXISTING SPOT GRADE
- F175.31 — PROPOSED SPOT GRADE
- FLOW ARROW
- RIP RAP
- STORMWATER BEST MANAGEMENT PRACTICE (BMP)
- BERM
- RETAINING WALL
- TEST PIT
- PROPOSED BITUMINOUS CONCRETE

PROFILE VIEW SOPHIE DRIVE EXTENSION CUL-DE-SAC



PROJECT NOTES:

1.) OWNER: 5 SHERMAN STREET LLC
242 CENTRAL AVE
DOVER, NH 03820

APPLICANT: KNOX MARSH DEVELOPMENT LLC
242 CENTRAL AVE
DOVER, NH 03820

2.) TAX MAP H, LOT 47-A

3.) S.C.R.D. BOOK 5190, PAGE 597

4.) LOT AREA: 117,854 Sq. Ft., 2.71 Ac.

5.) THE INTENT OF THIS PLAN IS TO PROVIDE DETAIL OF GRADING & ENGINEERING DETAILS FOR SOPHIE DRIVE AND TAX MAP H, LOT 47-A.

6.) SEE EROSION & SEDIMENT CONTROL PLANS FOR DETAILS ON PERIMETER CONTROL (MULCH BERM / FENCE / SILT SOXX).

7.) BS&E IS TO PROVIDE ADDITIONAL BENCHMARKS PRIOR TO CONSTRUCTION.

8.) EXISTING AND PROPOSED CONTOURS ARE PROVIDED AT 1' INTERVALS WITH DRAINAGE FEATURES AT MORE PRECISE INTERVALS.

9.) SEE PROJECT NOTES SHEET FOR REMAINING GRADING NOTES.

10.) CATCH BASINS WITHIN ANY GRASS LINED AREAS OUTSIDE THE ROADWAY WILL HAVE "BEE HIVE" GRATES TO NOT ALLOW FOR ENTRAPMENT OF ANIMALS IN THE STRUCTURE. BASINS ARE TO HAVE NH STANDARD FRAMES AND GRATES MADE IN NORTH AMERICA. GRATES ARE TO BE INSTALLED BINDER FLUSH PRIOR TO BASE PAVE. UPON PROJECT COMPLETION FRAMES AND GRATES ARE TO BE CUT AND RIM RAISED TO FINAL PAVEMENT SURFACE. THIS IS TO ENSURE STORMWATER ENTERS THE SYSTEM AS DESIGN DURING THE INTERIM CONSTRUCTION PERIOD.

11.) DESIGN NOTE: THERE IS NO CATCH BASIN #1, CATCH BASIN NUMBERING STARTS WITH #2.

STRUCTURES TABLE:

PROP. CATCH BASIN #2 (POND C02P)
4'ø STRUCTURE W/ DOME GRATE
STA: 1+35.80 (Lt. 32.50')
RIM = 126.50 (FLUSH)
INV. OUT = 122.00 (12" HDPE N-12) (DMH #1)

PROP. DRAIN MANHOLE #1 (POND D01P)
4'ø STRUCTURE W/ LIFTMATE R-1743-LM COVER AND FRAME
STA: 0+26.25 (CL)
RIM = 124.19 (FLUSH)
INV. IN = 119.09 (12" HDPE N-12) (CB #2)
INV. IN = 119.09 (12" HDPE N-12) (CB #3)
INV. IN = 119.09 (12" HDPE N-12) (CB #4)
INV. OUT = 118.59 (18" HDPE N-12) (WQI #1)

PROP. CATCH BASIN #3 (POND C05P)
4'ø STRUCTURE W/ TYPE "B" GRATE
STA: 0+26.25 (Lt. 11.00')
RIM = 123.96 (FLUSH)
INV. IN = 119.46 (12" HDPE N-12) (CB #7)
INV. OUT = 119.36 (12" HDPE N-12) (DMH #1)

PROP. CATCH BASIN #4 (POND C04P)
4'ø STRUCTURE W/ TYPE "B" GRATE
STA: 0+26.00 (Lt. 11.75')
RIM = 123.96 (FLUSH)
INV. OUT = 119.36 (12" HDPE N-12) (DMH #1)

PROP. CATCH BASIN #5 (POND C05P)
4'ø STRUCTURE W/ TYPE "B" GRATE
STA: 5+43.35 (Rt. 11.00')
RIM = 123.91 (FLUSH)
INV. OUT = 119.66 (12" HDPE N-12) (CB #3)

PROP. WATER QUALITY INLET #1 (POND W01P)
7,500 GAL. CUSTOM TANK W/ RISERS TO SURFACE
TOP INSIDE TANK = 122.50
INV. IN = 118.50 (18 HDPE N-12) (DMH #1)
INV. OUT = 118.25 (18" HDPE N-12) (P106)

CITY OF DOVER PLANNING FILE #

REVISION	DATE	DESCRIPTION
#1	10-17-24	REVISED UNIT COUNT AND ASSOCIATED MODIFICATIONS

PLAN AND PROFILE SOPHIE DRIVE EXTENSION CUL-DE-SAC
FOR
KNOX MARSH DEVELOPMENT LLC
LAND OF
5 SHERMAN STREET LLC
1 COLD SPRINGS ROAD
DOVER, N.H.
TAX MAP H, LOT 47-A

BERRY & SURVEYING ENGINEERING
335 SECOND CROWN POINT ROAD
BARRINGTON, NH 03825 (603)332-2863

SCALE : 1 IN. EQUALS 20 FT.
DATE : SEPTEMBER 1, 2024
FILE NO. : DB 2023 - 126

STATE OF NEW HAMPSHIRE
KENNETH A. BERRY No. 14243
LICENSED PROFESSIONAL ENGINEER

NOT FOR CONSTRUCTION

BIORETENTION FILTER MEDIA MIXTURES			
Component Material	Percent of Mixture by Volume	Gradation of material	
		Sieve No.	Percent by Weight Passing Standard Sieve
Bioretention Filter Media Option A			
ASTM C-33 concrete sand	50 to 55		
Loamy sand topsoil, with fines as indicated	20 to 30	200	15 to 25
Moderately fine shredded bark or wood fiber mulch, with fines as indicated	20 to 30	200	< 5

3/8" WASHED CRUSHED STONE*

SIEVE SIZE	% PASSING BY WEIGHT
1/2"	100
3/8"	95 – 100
# 4	22 – 55
# 8	0 – 10

* EQUIVALENT TO STANDARD WASHED STONE – SECTION 702 OF NHDOT NHDOT STANDARD SPECIFICATIONS

1-1/2" WASHED CRUSHED STONE*

SIEVE SIZE	% PASSING BY WEIGHT
2"	100
1-1/2"	90 – 100
1"	20 – 55
1/2"	0 –15
3/8"	0 –5

* EQUIVALENT TO STANDARD WASHED STONE – SECTION 702 OF NHDOT NHDOT STANDARD SPECIFICATIONS

NOTES

1. WHEN CONTRACTOR EXCAVATES RAIN GARDEN AREA TO SUBGRADE, DESIGN ENGINEER SHALL PERFORM SUBSURFACE EVALUATION PRIOR TO THE PLACEMENT OF ANY SELECT MATERIAL OR OTHER BACKFILL.
2. SOIL BIORETENTION FILTER MEDIA SHALL BE AS SHOWN ABOVE. "BIO MEDIA" MEANS BIORETENTION FILTER MADIA.
3. COMPACTION IS NOT TO OCCUR IN THE RAIN GARDEN AREAS PRIOR TO CONSTRUCTION. SCARIFICATION REQUIRED IN THE EVENT COMPACTION TAKES PLACE.
4. DO NOT PLACE THE BIORETENTION SYSTEM INTO SERVICE UNTIL THE BMP HAS BEEN PLANTED AND ITS CONTRIBUTING AREAS HAVE BEEN FULLY STABILIZED.
5. DO NOT DISCHARGE SEDIMENT-LADEN WATERS FROM CONSTRUCTION ACTIVITIES (RUNOFF WATER FROM EXCAVATIONS) TO THE BIORETENTION AREA DURING ANY STAGE OF CONSTRUCTION.
6. DO NOT TRAFFIC EXPOSED SOIL SURFACE WITH CONSTRUCTION EQUIPMENT. IF FEASIBLE PERFORM EXCAVATIONS WITH EQUIPMENT POSITIONED OUTSIDE THE LIMITS OF THE INFILTRATION COMPONENTS OF THE SYSTEM.

MAINTENANCE REQUIREMENTS

1 SYSTEMS SHOULD BE INSPECTED AT LEAST TWICE ANNUALLY, AND FOLLOWING ANY RAINFALL EXCEEDING 0.25 INCHES IN A 24-HOUR PERIOD, WITH MAINTENANCE OR REHABILITATION CONDUCTED AS A WARRANTED BY SUCH INSPECTION.

2 PRETREATMENT MEASURES SHOULD BE INSPECTED AT LEAST TWICE ANNUALLY, AND CLEANED OF ACCUMULATED SEDIMENT AS WARRANTED BY INSPECTION, BUT NO LESS THAN ONCE ANNUALLY.

3 AT LEAST ONCE ANNUALLY, SYSTEM SHOULD BE INSPECTED FOR DRAWDOWN TIME. IF BIORETENTION SYSTEM DOES NOT DRAIN WITHIN 72-HOURS FOLLOWING A RAINFALL EVENT, THEN A QUALIFIED PROFESSIONAL SHOULD ASSESS THE CONDITION OF THE FACILITY TO DETERMINE MEASURES REQUIRED TO RESTORE FILTRATION FUNCTION OR INFILTRATION FUNCTION (AS APPLICABLE), INCLUDING BUT NOT LIMITED TO REMOVAL OF ACCUMULATED SEDIMENTS OR RECONSTRUCTION OF THE FILTER MEDIA.

4 VEGETATION SHOULD BE INSPECTED AT LEAST ANNUALLY, AND MAINTAINED IN HEALTHY CONDITION, INCLUDING, PRUNING, REMOVAL, AND REPLACEMENT OF DEAD OR DISEASED VEGETATION, AND REMOVAL OF INVASIVE SPECIES.

DESIGN REFERENCES

1 UNH STORMWATER CENTER
2 NEW HAMPSHIRE STORMWATER MANAGEMENT MANUAL, VOLUME 2, DECEMBER 2008 AS AMENDED.

RAIN GARDEN MIX

THE GRASS THAT IS PLANTED WITHIN A RAIN GARDEN BIO-FILTRATION SYSTEM WITHIN THE BIO-MEDIA MUST CONSIST OF A COMBINATION OF WARM SEASON GRASS SEED AND COLD SEASON GRASS SEED IN ORDER FOR THE GRASS TO START GROWING FOR STABILIZATION AND CONTINUE GROWING IN THE SANDY WELL-DRAINED ENVIRONMENT. PLANTING SPECIFICATION WILL MEET THE REQUIREMENTS AS OUTLINED IN "VEGETATION NEW HAMPSHIRE SAND AND GRAVEL PITS" MIX 1 (WARM SEASON GRASSES) (15 LBS/AC) AND INCLUDE ANNUAL AND PERENNIAL RYE GRASS SEED (15 LBS/AC); THE NEW ENGLAND NATIVE WARM SEASON GRASS MIX (23 LBS/AC) BY NEW ENGLAND WETLAND PLANTS, INC.; RAIN GARDEN MIX 180 (15 LBS/AC & 15 LBS/AC OF RYE) / RAIN GARDEN GRASS MIX 180-1 (20 LBS/AC & 10 LBS/AC OF RYE) BY ERNST CONSERVATION SEEDS; OR APPROVED EQUAL.

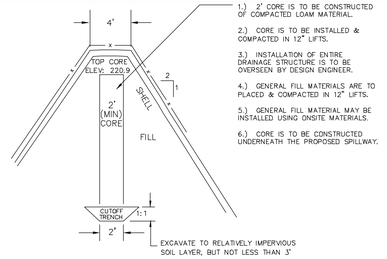
STABILIZATION NOTE:

SEE NOTE #6, SHEET E-102, DETAIL E-18
SIDE SLOPES ARE TO BE STABILIZED WITHIN THREE WORKING DAY UPON COMPLETION OF FINAL GRADE.

P1

P2

LOW PERMEABILITY MATERIAL GRADATION	
SIEVE SIZE	% PASSING BY WEIGHT
#4	95 – 100
#40	60 – 95
#100	40 – 60
#200	25 – 45



1.) 2" CORE IS TO BE CONSTRUCTED OF COMPACTED LOAM MATERIAL.

2.) CORE IS TO BE INSTALLED & COMPACTED IN 12" LIFTS.

3.) INSTALLATION OF ENTIRE DRAINAGE STRUCTURE IS TO BE OVERSEEN BY DESIGN ENGINEER.

4.) GENERAL FILL MATERIALS ARE TO PLACED & COMPACTED IN 12" LIFTS.

5.) GENERAL FILL MATERIAL MAY BE INSTALLED USING ONSITE MATERIALS.

6.) CORE IS TO BE CONSTRUCTED UNDERNEATH THE PROPOSED SPILLWAY.

INFILTRATION SURFACE PROTECTION NOTE:

SEE EROSION AND SEDIMENT CONTROL PLAN
IT IS RECOMMENDED THAT THE CONTRACTOR TAKE MEASURES TO PROTECT THE INFILTRATION SURFACE FROM SEDIMENTATION CAUSED BY EROSION ON THE SIDE SLOPES TRACKING IS NOT PERMITTED ON THE INFILTRATION SURFACE. EXCAVATIONS SHOULD TAKE PLACE ON THE OUTSIDE LIMITS OF THE INFILTRATION SYSTEM WHERE FEASIBLE. IF TRACKING DOES TAKE PLACE, SCARIFICATION IS REQUIRED PRIOR TO BE BACKFILL OF LOAM AND SEED.

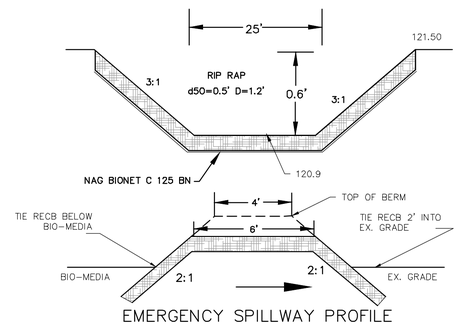
AFTER THE INFILTRATION SYSTEM AREA IS EXCAVATED TO THE FINAL DESIGN ELEVATION, THE FLOOR SHOULD BE DEEPLY TILLED WITH A ROTARY TILLER OR DISC HARROW TO RESTORE INFILTRATION RATES, FOLLOWED BY A PASS WITH A LEVELING DRAG.

DO NOT PLACE INFILTRATION SYSTEMS INTO SERVICE UNTIL THE CONTRIBUTING AREAS HAVE BEEN FULLY STABILIZED.

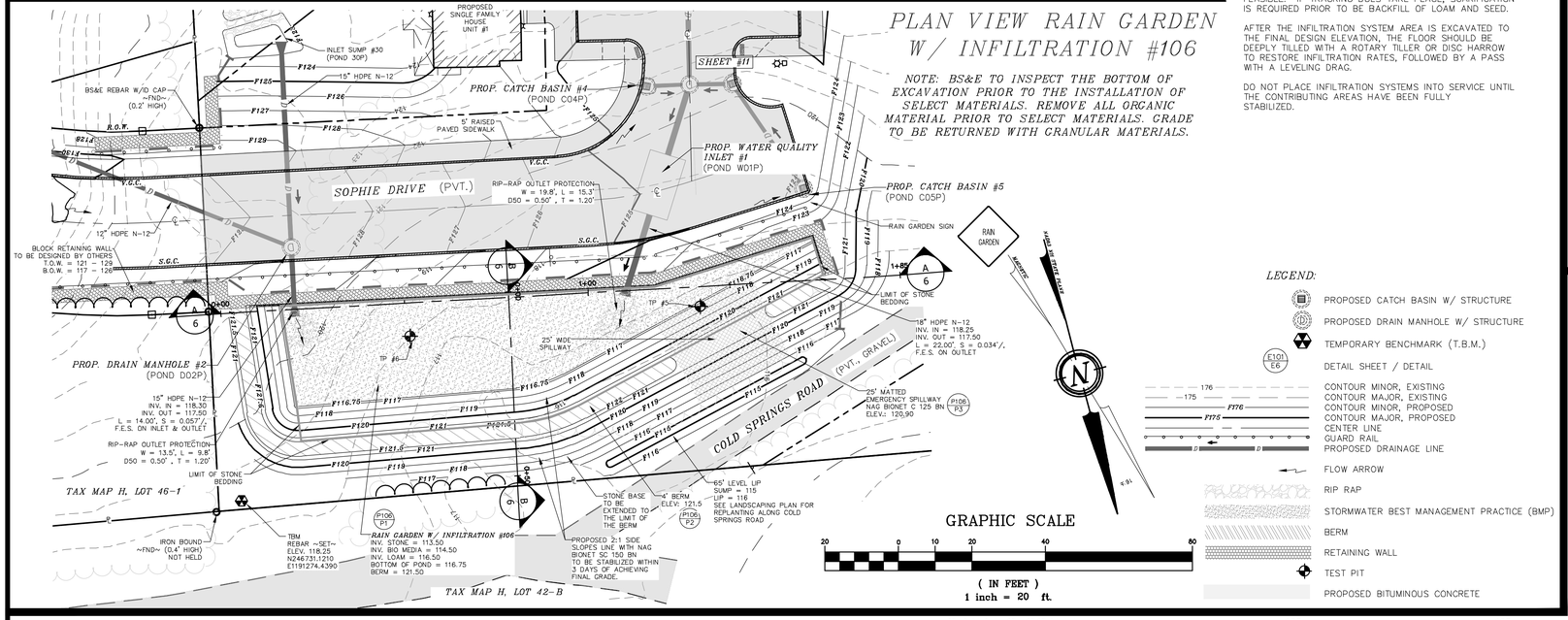
P3

SPILLWAY DETAILS

NOT TO SCALE



EMERGENCY SPILLWAY PROFILE



PLAN VIEW RAIN GARDEN W/ INFILTRATION #106

NOTE: BS&E TO INSPECT THE BOTTOM OF EXCAVATION PRIOR TO THE INSTALLATION OF SELECT MATERIALS. REMOVE ALL ORGANIC MATERIAL PRIOR TO SELECT MATERIALS. GRADE TO BE RETURNED WITH GRANULAR MATERIALS.

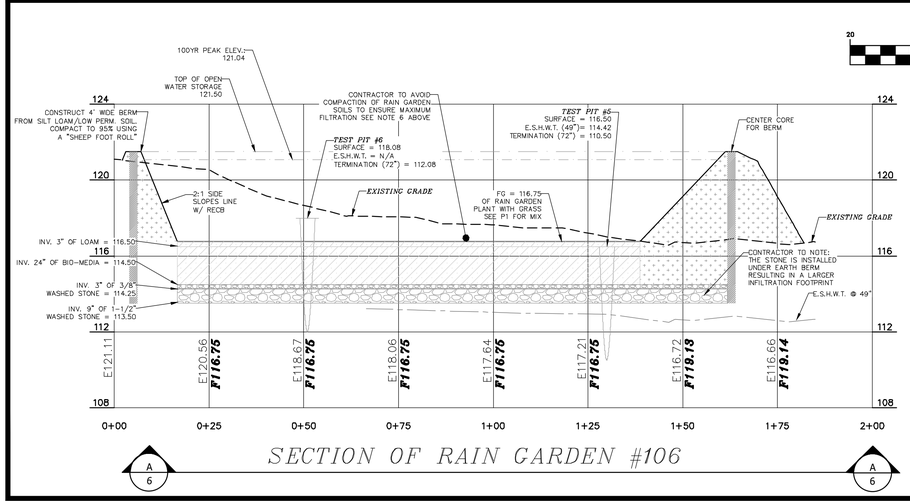
LEGEND:

- PROPOSED CATCH BASIN W/ STRUCTURE
- PROPOSED DRAIN MANHOLE W/ STRUCTURE
- TEMPORARY BENCHMARK (T.B.M.)
- DETAIL SHEET / DETAIL
- CONTOUR MINOR, EXISTING
- CONTOUR MAJOR, EXISTING
- CONTOUR MINOR, PROPOSED
- CONTOUR MAJOR, PROPOSED
- CENTER LINE
- GUARD RAIL
- PROPOSED DRAINAGE LINE
- FLOW ARROW
- RIP RAP
- STORMWATER BEST MANAGEMENT PRACTICE (BMP)
- BERM
- RETAINING WALL
- TEST PIT
- PROPOSED BITUMINOUS CONCRETE

GRAPHIC SCALE

20 0 10 20 40 80

(IN FEET)
1 inch = 20 ft.

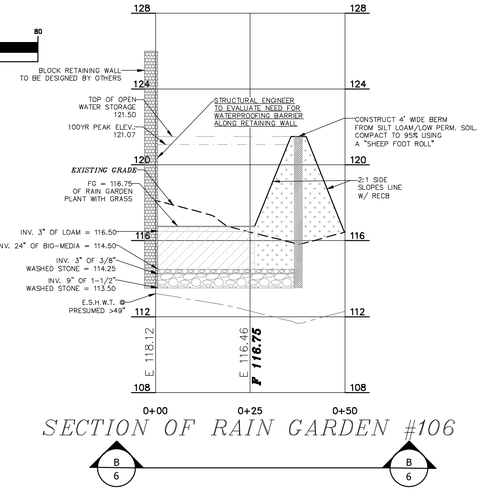


SECTION OF RAIN GARDEN #106

GRAPHIC SCALE

20 0 10 20 40 80

(IN FEET)
1 inch = 20 ft.
VERTICAL SCALE: 1" = 4'



SECTION OF RAIN GARDEN #106

ASTM C-33 FINE AGGREGATE	
SIEVE SIZE	% PASSING BY WEIGHT
3/8"	100
# 4	95 – 100
# 8	80 – 100
# 16	50 – 85
# 30	25 – 60
# 16	10 – 30
# 30	2 – 10

TABLE 7-24---RECOMMENDED RIP RAP GRADATION RANGES				
d50 SIZE=	0.5	FEET	6	INCHES
% OF WEIGHT SMALLER THAN THE GIVEN d50 SIZE		SIZE OF STONE (INCHES) FROM		TO
100%		9		12
85%		8		11
50%		6		9
15%		2		3

P-106

CITY OF DOVER PLANNING FILE #

#	REVISION	DATE	DESCRIPTION
1		10-17-24	REVISED UNIT COUNT AND ASSOCIATED MODIFICATIONS

RAIN GARDEN W/ INFILTRATION #106
FOR
KNOX MARSH DEVELOPMENT LLC
LAND OF
5 SHERMAN STREET LLC
1 COLD SPRINGS ROAD
DOVER, N.H.
TAX MAP H, LOT 47-A

BERRY SURVEYING & ENGINEERING
335 SECOND CROWN POINT ROAD
BARRINGTON, NH 03825 (603)332-2863

SCALE : 1 IN. EQUALS 20 FT.
DATE : SEPTEMBER 1, 2024
FILE NO. : DB 2023 – 126

STATE OF NEW HAMPSHIRE
KENNETH A. BERRY No. 10478
LICENSED PROFESSIONAL ENGINEER

SHEET 13 OF 36

NOT FOR CONSTRUCTION

PROJECT NOTES:

1.) OWNER: 5 SHERMAN STREET LLC
242 CENTRAL AVE
DOVER, NH 03820

APPLICANT: KNOX MARSH DEVELOPMENT LLC
242 CENTRAL AVE
DOVER, NH 03820

2.) TAX MAP H, LOT 47-A

3.) S.C.R.D. BOOK 5190, PAGE 597

4.) LOT AREA: 117,854 Sq. Ft., 2.71 Ac.

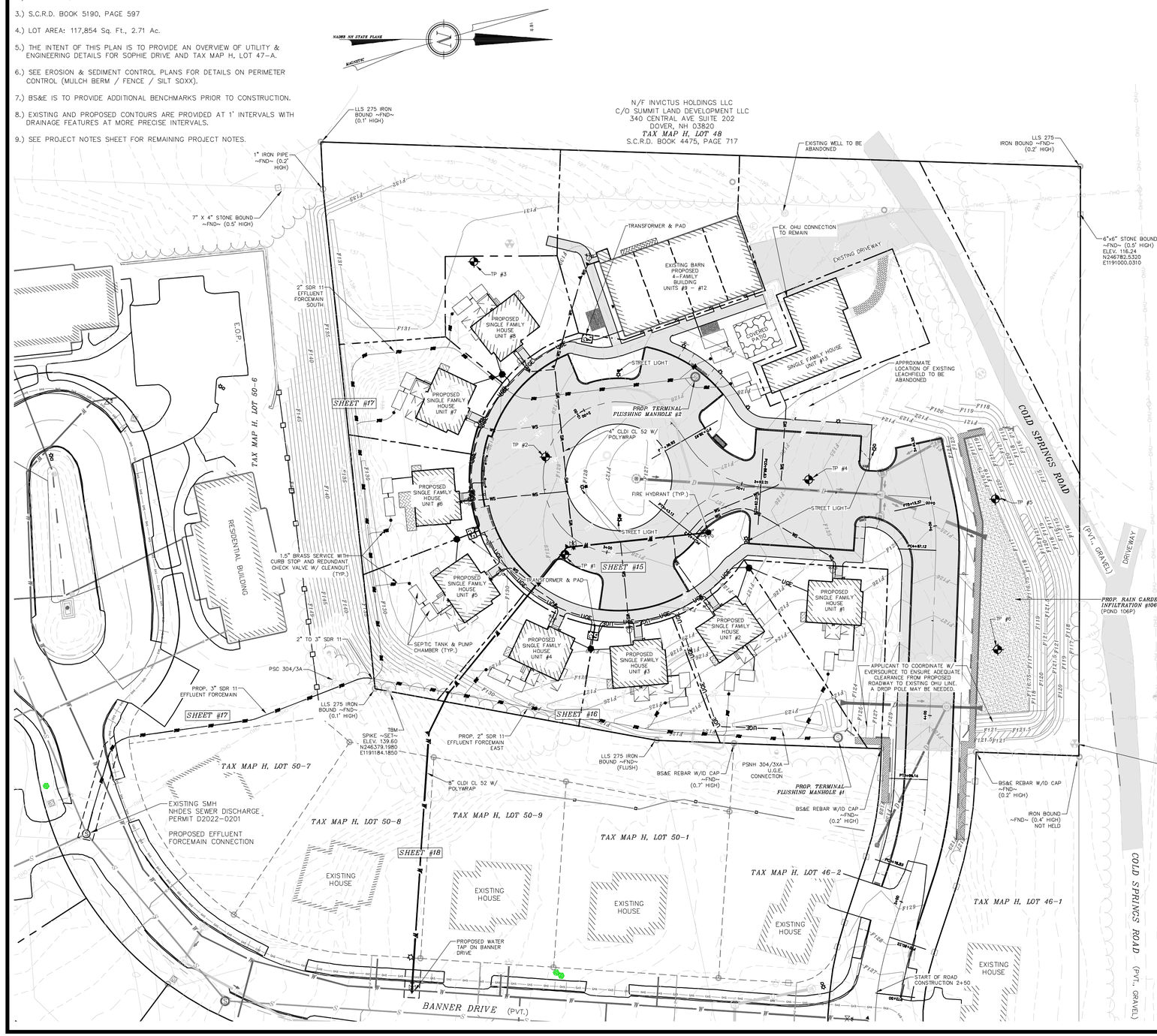
5.) THE INTENT OF THIS PLAN IS TO PROVIDE AN OVERVIEW OF UTILITY & ENGINEERING DETAILS FOR SOPHIE DRIVE AND TAX MAP H, LOT 47-A.

6.) SEE EROSION & SEDIMENT CONTROL PLANS FOR DETAILS ON PERIMETER CONTROL (MULCH BERM / FENCE / SILT SOXX).

7.) BS&E IS TO PROVIDE ADDITIONAL BENCHMARKS PRIOR TO CONSTRUCTION.

8.) EXISTING AND PROPOSED CONTOURS ARE PROVIDED AT 1' INTERVALS WITH DRAINAGE FEATURES AT MORE PRECISE INTERVALS.

9.) SEE PROJECT NOTES SHEET FOR REMAINING PROJECT NOTES.



LEGEND:

- PROPOSED SEWER MANHOLE W/ STRUCTURE
- PROPOSED DRAIN MANHOLE W/ STRUCTURE
- PROPOSED CATCH BASIN W/ STRUCTURE
- TEMPORARY BENCHMARK (T.B.M.)
- E101 / E6 — DETAIL SHEET / DETAIL
- CONTOUR MINOR, EXISTING
- CONTOUR MAJOR, EXISTING
- CONTOUR MINOR, PROPOSED
- CONTOUR MAJOR, PROPOSED
- CENTER LINE
- EXISTING WATER MAIN
- EXISTING SEWER LINE
- EXISTING DRAINAGE LINE
- EXISTING OVERHEAD UTILITY
- PROPOSED WATER MAIN
- PROPOSED FIRE PROTECTION
- PROPOSED WATER SERVICE
- PROPOSED SEWER LINE
- PROPOSED DRAINAGE LINE
- UNDERGROUND UTILITY
- STORMWATER BEST MANAGEMENT PRACTICE (BMP)
- TEST PIT
- PROPOSED BITUMINOUS CONCRETE
- TRANSFORMER
- GATE VALVE
- CURB STOP
- FIRE HYDRANT
- THRUST BLOCKS
- LAMP "A" POLE MOUNTED 20' HIGH
- LAMP "B" POLE MOUNTED 16.5' HIGH
- LAMP "C" BUILDING MOUNTED 12' HIGH
- LAMP "D" BUILDING MOUNTED 7' HIGH
- LAMP "E" BUILDING MOUNTED 3.5' HIGH

UTILITY NOTES:

EXISTING BUILDING

1.) UNDERGROUND UTILITY LOCATIONS ARE BASED UPON BEST AVAILABLE EVIDENCE AND ARE NOT FIELD VERIFIED. LOCATING AND PROTECTING ANY ABOVE AND BELOW GROUND UTILITIES IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR. ANY UTILITY CONFLICTS SHOULD BE REPORTED IMMEDIATELY TO THE DESIGN ENGINEER.

2.) THE CONTRACTOR SHALL CALL AND COORDINATE WITH DIGSAFE 1-888-344-7233 AT LEAST 72 HOURS PRIOR TO COMMENCING ANY EXCAVATION ON PUBLIC OR PRIVATE PROPERTY.

3.) PROTECTION OF SUBGRADE: THE CONTRACTOR SHALL BE REQUIRED TO MAINTAIN STABLE, DEWATERED SUBGRADES, TRENCHES, AND OTHER AREAS DURING CONSTRUCTION. SUBGRADE DISTURBANCE MAY BE INFLUENCED BY EXCAVATION METHODS, MOISTURE, PRECIPITATION, GROUNDWATER CONTROL, AND CONSTRUCTION ACTIVITIES. THE CONTRACTOR SHALL TAKE PRECAUTIONS TO PREVENT SUBGRADE DISTURBANCE. SUCH PRECAUTIONS MAY INCLUDE DIVERTING STORMWATER RUNOFF AWAY FROM CONSTRUCTION AREAS, REDUCING TRAFFIC IN SENSITIVE AREAS, AND MAINTAINING AN EGFECTIVE DEWATERING PROGRAM. SOILS EXHIBITING HEAVING OR INSTABILITY SHALL BE OVER EXCAVATED TO MORE COMPETENT BEARING SOIL AND REPLACED WITH FREE DRAINING STRUCTURAL FILL MEETING THE ENGINEERS SPECIFIC RECOMMENDED CRITERIA.

4.) IF THE EARTHWORK IS PERFORMED DURING FREEZING WEATHER (NOT ALLOWED IN CITY R.O.W.), EXPOSED SUBGRADES ARE SUSCEPTIBLE TO FROST. NO FILL OR UTILITIES SHALL BE PLACED ON FROZEN GROUND. THIS WILL LIKELY REQUIRE REMOVAL OF A FROZEN SOIL CRUST AT THE COMMENCEMENT OF EACH DAY'S OPERATION. THE FINAL SUBGRADE ELEVATION WOULD ALSO REQUIRE AN APPROPRIATE DEGREE OF INSULATION AGAINST FREEZING.

5.) PLACEMENT OF BORROW MATERIALS SHALL BE PERFORMED IN A MANNER THAT PREVENTS LONG TERM DIFFERENTIAL SETTLEMENT. EXCESSIVELY WET MATERIALS SHALL BE STOCKPILED AND ALLOWED TO DRAIN BEFORE PLACEMENT. FROZEN MATERIAL SHALL NOT BE USED FOR CONSTRUCTION. VOIDS BETWEEN STONES AND CLUMPS OF MATERIAL SHALL BE FILLED WITH FINE MATERIALS.

6.) FINAL UTILITY LOCATIONS TO BE COORDINATED BETWEEN THE CONTRACTOR, ALL APPROPRIATE UTILITY COMPANIES AND THE DOVER DPW.

7.) CONTRACTOR TO CONTACT DOVER DPW A MINIMUM OF TWO WEEKS PRIOR TO ANY CONSTRUCTION TO COORDINATE ALL WORK CONCERNING INSTALLATION OF ANY PROPOSED WATER LINE IMPROVEMENTS.

8.) ALL WATER MAIN AND SERVICE INSTALLATIONS SHALL CONFORM TO CITY OF DOVER STANDARDS. ALL HIGHWAY CONSTRUCTION WILL MEET THE CITY OF DOVER STANDARDS.

9.) CONTRACTOR SHALL COORDINATE ALL ELECTRICAL INSTALLATIONS WITH EVERSOURCE AT (800) 662-7764. ALL ELECTRIC CONDUIT INSTALLATION SHALL BE INSPECTED BY EVERSOURCE PRIOR TO BACKFILL. A 48-HOUR MINIMUM NOTICE IS REQUIRED.

10.) CONTRACTOR SHALL COORDINATE ALL TELECOMMUNICATIONS INSTALLATIONS WITH FAIRPOINT COMMUNICATIONS AT (603) 427-5525.

11.) CONTRACTOR SHALL COORDINATE ALL CABLE INSTALLATIONS WITH COMCAST.

12.) ALL SEWER MANHOLE RIMS & COVERS ARE TO BE LIFTMATE R-1743-LM.

13.) ALL WATER SERVICES ARE TO BE WITNESSED WITH A 2"X4" PAINTED BLUE. ALL SEWER SERVICES ARE TO BE WITNESSED WITH A 2"X4" PAINTED YELLOW, IS STUBBED PRIOR TO BUILDING CONSTRUCTION. DETECTABLE METALLIC UNDERGROUND TAPE SHALL BE LABELED APPROPRIATELY.

14.) CURB BOXES SHOULD BE PLACED IN THE LAWN AREA, OR IF PLACED IN PAVEMENT, A ROAD BOX IS REQUIRED.

15.) SEE EXISTING CONDTIONS PLAN FOR DATUM. VERTICAL DATUM BASED ON NAVD88 ELEVATIONS. HORIZONTAL DATUM BASED ON NAD83 STATE PLANE COORDINATES GATHERED USING TOPCON HIPER SR SURVEY GRADE GPS.

16.) MINIMUM SLOPE FOR ALL SEWER SERVICE CONNECTIONS IS TO BE NO LESS THAN 0.02 FT/FT.

17.) ALL SEWER INSTALLATIONS SHALL CONFORM TO THE REQUIREMENTS OF NHDES & DOVER COMMUNITY SERVICES SEWER DIVISION STANDARDS. ALL PVC SEWER PIPE IS TO CONFORM WITH ENV-WQ 704.05 (c)-(e) FOR SDR 35 GRAVITY SEWER PIPE, CONFORM WITH ENV-WQ 704.08 FOR SDR 11 FORCE MAIN PRESSURE PIPE, AND CONFORM WITH ASTM D3034. PVC JOINT SEALS SHALL CONFORM WITH ASTM D3121. THE FORCE MAIN SHALL BE TESTED IN ACCORDANCE WITH ENV-WQ 704.09.

18.) CONTRACTOR TO TRANSFER TEMPORARY BENCHMARK TO A SUITABLE BENCHMARK TO CONTROL CONSTRUCTION. ANY ELEVATION DISCREPANCIES ARE TO BE REPORTED TO THE THE DESIGN ENGINEER IMMEDIATELY.

19.) ALL SEWER AND WATER CROSSINGS ARE TO MAINTAIN A 1.5' OF SEPARATION.

20.) THE EXISTING SINGLE FAMILY HOME WILL NO LONGER UTILIZE THEIR EXISTING WATER AND SEPTIC SERVICES.

21.) HEATING AND COOLING FOR PROPOSED UNITS WILL BE DONE VIA MINI-SPLIT.

22.) C900 WATERLINE MAY BE SUBSTITUTED FOR C.L.D.I. WATERLINE WITH THE APPROVAL OF THE CITY ENGINEER.

23.) SEE U-103 & U-104 FOR SIMPEX EFFLUENT PUMP STATION DESIGN INFORMATION. NO PUMP SUBSTITUTIONS ARE ALLOWED WITHOUT DESIGN ENGINEER APPROVAL AND WITHOUT DESIGN REAPPROVAL BY CITY OF DOVER. EACH STRUCTURE UTILIZES A SEPTIC TANK AND SIMPLEX EFFLUENT PUMP STATION TO SUPPORT THE SITE PLAN.

CITY OF DOVER PLANNING FILE #

REVISION	DATE	DESCRIPTION
#1	10-17-24	REVISED UNIT COUNT AND ASSOCIATED MODIFICATIONS

OVERVIEW UTILITY PLAN
FOR
KNOX MARSH DEVELOPMENT LLC
LAND OF
5 SHERMAN STREET LLC
1 COLD SPRINGS ROAD
DOVER, N.H.
TAX MAP H, LOT 47-A

BERRY SURVEYING & ENGINEERING
335 SECOND CROWN POINT ROAD
BARRINGTON, NH 03825 (603)332-2863

SCALE : 1 IN. EQUALS 30 FT.
DATE : SEPTEMBER 1, 2024
FILE NO. : DB 2023 - 126

STATE OF NEW HAMPSHIRE — KENNETH A. BERRY No. 14245 LICENSED PROFESSIONAL ENGINEER

NOT FOR CONSTRUCTION

PROJECT NOTES:

1.) OWNER: 5 SHERMAN STREET LLC
242 CENTRAL AVE
DOVER, NH 03820

APPLICANT: KNOX MARSH DEVELOPMENT LLC
242 CENTRAL AVE
DOVER, NH 03820

2.) TAX MAP H, LOT 47-A

3.) S.C.R.D. BOOK 5190, PAGE 597

4.) LOT AREA: 117,854 Sq. Ft., 2.71 Ac.

5.) THE INTENT OF THIS PLAN IS TO PROVIDE A DETAIL OF UTILITY & ENGINEERING DETAILS FOR SOPHIE DRIVE AND TAX MAP H, LOT 47-A.

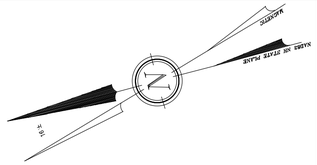
6.) SEE EROSION & SEDIMENT CONTROL PLANS FOR DETAILS ON PERIMETER CONTROL (MULCH BERM / FENCE / SILT SOXX).

7.) BS&E IS TO PROVIDE ADDITIONAL BENCHMARKS PRIOR TO CONSTRUCTION.

8.) EXISTING AND PROPOSED CONTOURS ARE PROVIDED AT 1' INTERVALS WITH DRAINAGE FEATURES AT MORE PRECISE INTERVALS.

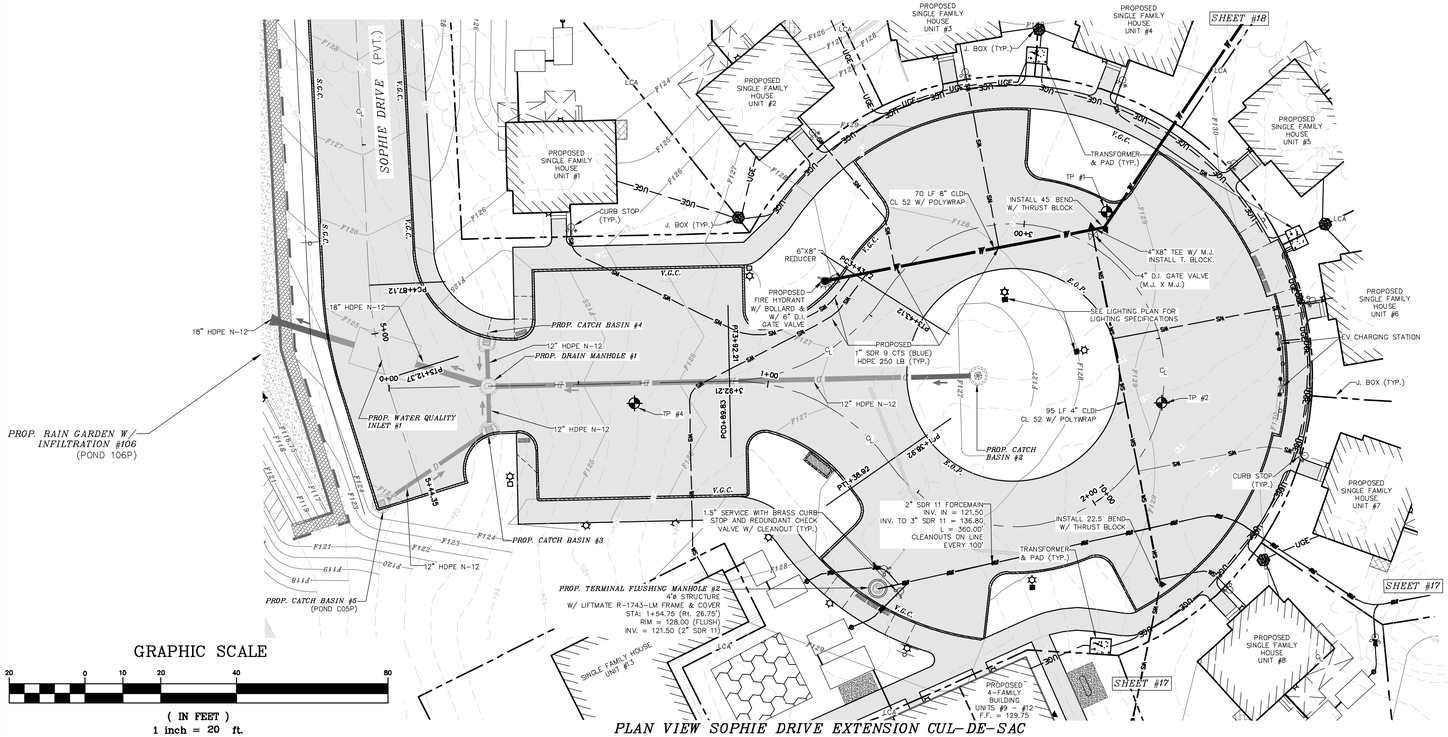
9.) SEE PROJECT NOTES SHEET FOR REMAINING PROJECT NOTES.

10.) INDIVIDUAL PUMP DESIGNS WILL BE COMPUTED BY A PROFESSIONAL ENGINEER AND PROVIDED TO THE CITY OF DOVER, COMMUNITY SERVICES, DPW, ENGINEERING DEPARTMENT AS A FUNCTION OF OBTAINING A BUILDING PERMIT.



LEGEND:

- PROPOSED SEWER MANHOLE W/ STRUCTURE
- PROPOSED DRAIN MANHOLE W/ STRUCTURE
- PROPOSED CATCH BASIN W/ STRUCTURE
- TEMPORARY BENCHMARK (T.B.M.)
- E101 / E6 — DETAIL SHEET / DETAIL
- CONTOUR MINOR, EXISTING
- CONTOUR MAJOR, EXISTING
- CONTOUR MINOR, PROPOSED
- CONTOUR MAJOR, PROPOSED
- CENTER LINE
- EXISTING WATER MAIN
- EXISTING SEWER LINE
- EXISTING DRAINAGE LINE
- EXISTING OVERHEAD UTILITY
- PROPOSED WATER MAIN
- PROPOSED FIRE PROTECTION
- PROPOSED WATER SERVICE
- PROPOSED SEWER LINE
- PROPOSED DRAINAGE LINE
- UNDERGROUND UTILITY
- STORMWATER BEST MANAGEMENT PRACTICE (BMP)
- TEST PIT
- PROPOSED BITUMINOUS CONCRETE
- TRANSFORMER
- GATE VALVE
- CURB STOP
- FIRE HYDRANT
- THRUST BLOCKS
- LAMP "A" POLE MOUNTED 20' HIGH
- LAMP "B" POLE MOUNTED 16.5' HIGH
- LAMP "C" BUILDING MOUNTED 12' HIGH
- LAMP "D" BUILDING MOUNTED 7' HIGH
- LAMP "E" BUILDING MOUNTED 3.5' HIGH



GRAPHIC SCALE

20 0 10 20 40 80

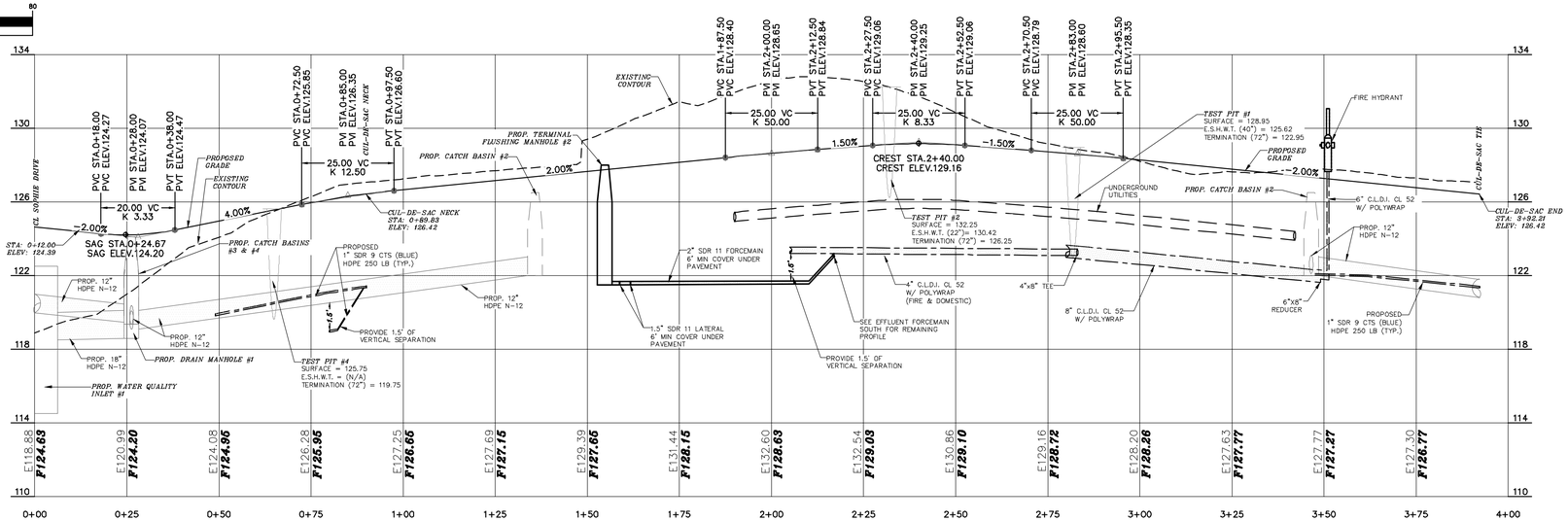
(IN FEET)
1 inch = 20 ft.

PLAN VIEW SOPHIE DRIVE EXTENSION CUL-DE-SAC

GRAPHIC SCALE

20 0 10 20 40 80

(IN FEET)
1 inch = 20 ft.
VERTICAL SCALE: 1" = 4'



PROFILE VIEW SOPHIE DRIVE EXTENSION CUL-DE-SAC

NOT FOR CONSTRUCTION

CITY OF DOVER PLANNING FILE #

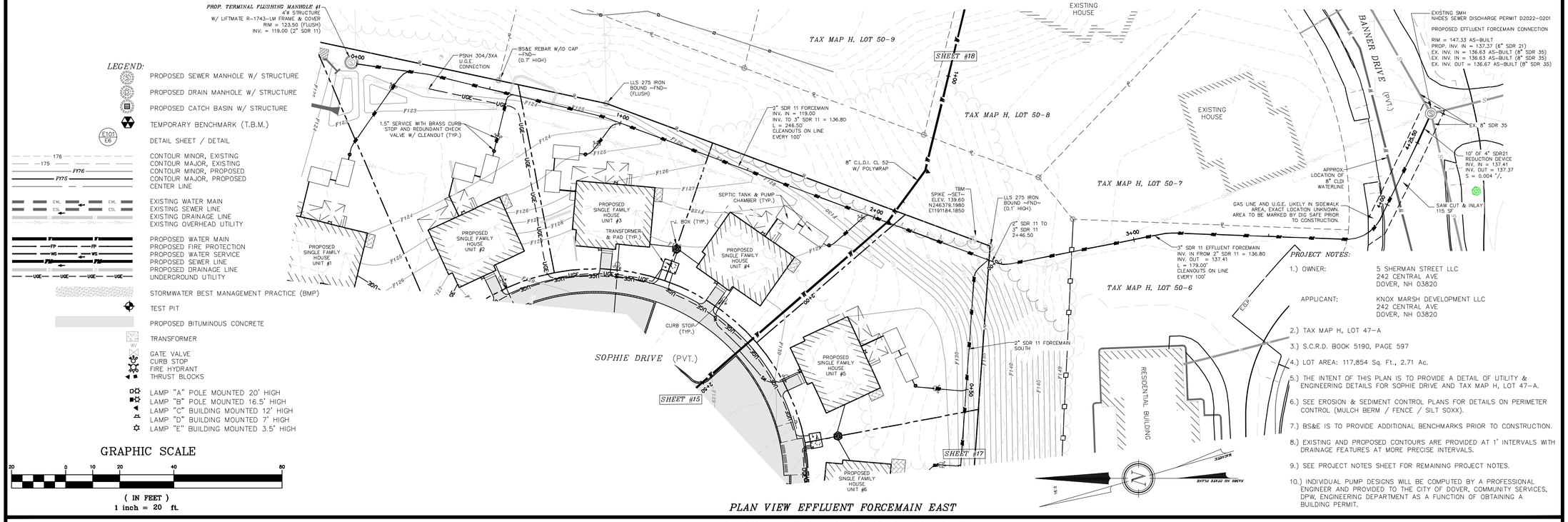
#	REVISION	DATE	DESCRIPTION
#1		10-17-24	REVISED UNIT COUNT AND ASSOCIATED MODIFICATIONS

UTILITY PLAN AND PROFILE SOPHIE DRIVE
FOR
KNOX MARSH DEVELOPMENT LLC
LAND OF
5 SHERMAN STREET LLC
1 COLD SPRINGS ROAD
DOVER, N.H.
TAX MAP H, LOT 47-A

BERRY & SURVEYING ENGINEERING
335 SECOND CROWN POINT ROAD
BARRINGTON, NH 03825 (603)332-2863

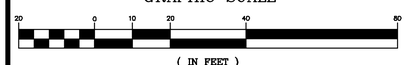
SCALE : 1 IN. EQUALS 20 FT.
DATE : SEPTEMBER 1, 2024
FILE NO. : DB 2023 - 126

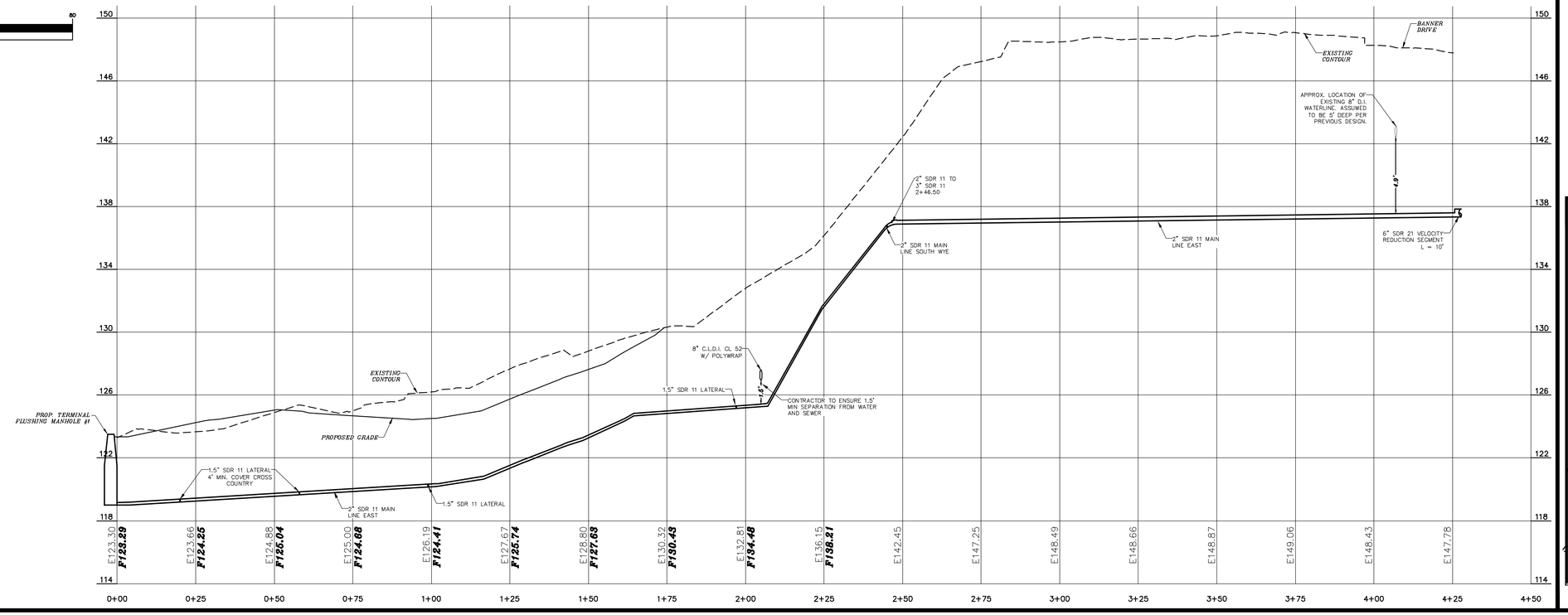
STATE OF NEW HAMPSHIRE
KENNETH A. BERRY No. 14241 LICENSED PROFESSIONAL ENGINEER



PLAN VIEW EFFLUENT FORCEMAIN EAST

PROFILE VIEW EFFLUENT FORCEMAIN EAST





CITY OF DOVER PLANNING FILE #

#	DATE	REVISION
#1	10-17-24	REVISED UNIT COUNT AND ASSOCIATED MODIFICATIONS

EFFLUENT FORCEMAIN PROFILE EAST
FOR
KNOX MARSH DEVELOPMENT LLC
LAND OF
5 SHERMAN STREET LLC
1 COLD SPRINGS ROAD
DOVER, N.H.
TAX MAP H, LOT 47-A

BERRY SURVEYING & ENGINEERING
335 SECOND CROWN POINT ROAD
BARRINGTON, NH 03825 (603)332-2863

SCALE : 1 IN. EQUALS 20 FT.
DATE : SEPTEMBER 1, 2024
FILE NO. : DB 2023 – 126

STATE OF NEW HAMPSHIRE
KENNETH A. BERRY 14245 LICENSED PROFESSIONAL ENGINEER

NOT FOR CONSTRUCTION

PROJECT NOTES:

1.) OWNER: 5 SHERMAN STREET LLC
242 CENTRAL AVE
DOVER, NH 03820

APPLICANT: KNOX MARSH DEVELOPMENT LLC
242 CENTRAL AVE
DOVER, NH 03820

2.) TAX MAP H, LOT 47–A

3.) S.C.R.D. BOOK 5190, PAGE 597

4.) LOT AREA: 117,854 Sq. Ft., 2.71 Ac.

5.) THE INTENT OF THIS PLAN IS TO PROVIDE A DETAIL OF UTILITY & ENGINEERING DETAILS FOR SOPHIE DRIVE AND TAX MAP H, LOT 47–A.

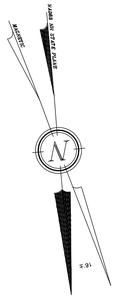
6.) SEE EROSION & SEDIMENT CONTROL PLANS FOR DETAILS ON PERIMETER CONTROL (MULCH BERM / FENCE / SILT SOXX).

7.) BS&E IS TO PROVIDE ADDITIONAL BENCHMARKS PRIOR TO CONSTRUCTION.

8.) EXISTING AND PROPOSED CONTOURS ARE PROVIDED AT 1' INTERVALS WITH DRAINAGE FEATURES AT MORE PRECISE INTERVALS.

9.) SEE PROJECT NOTES SHEET FOR REMAINING PROJECT NOTES.

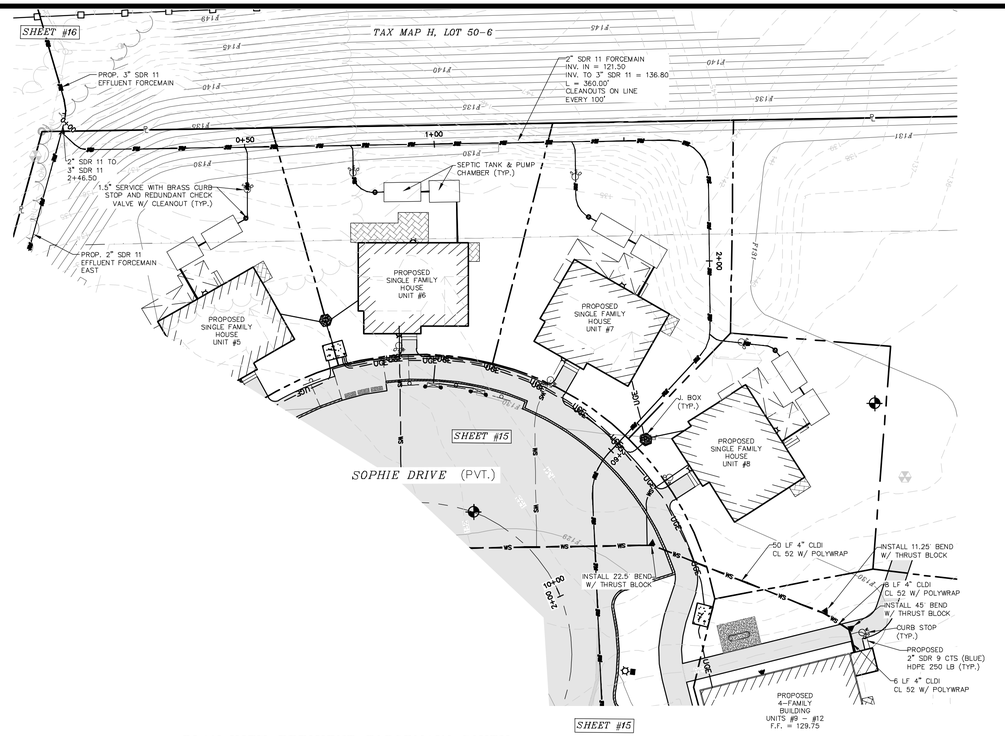
10.) INDIVIDUAL PUMP DESIGNS WILL BE COMPUTED BY A PROFESSIONAL ENGINEER AND PROVIDED TO THE CITY OF DOVER, COMMUNITY SERVICES, DPW, ENGINEERING DEPARTMENT AS A FUNCTION OF OBTAINING A BUILDING PERMIT.



GRAPHIC SCALE

20 0 10 20 40 80

(IN FEET)
1 inch = 20 ft.



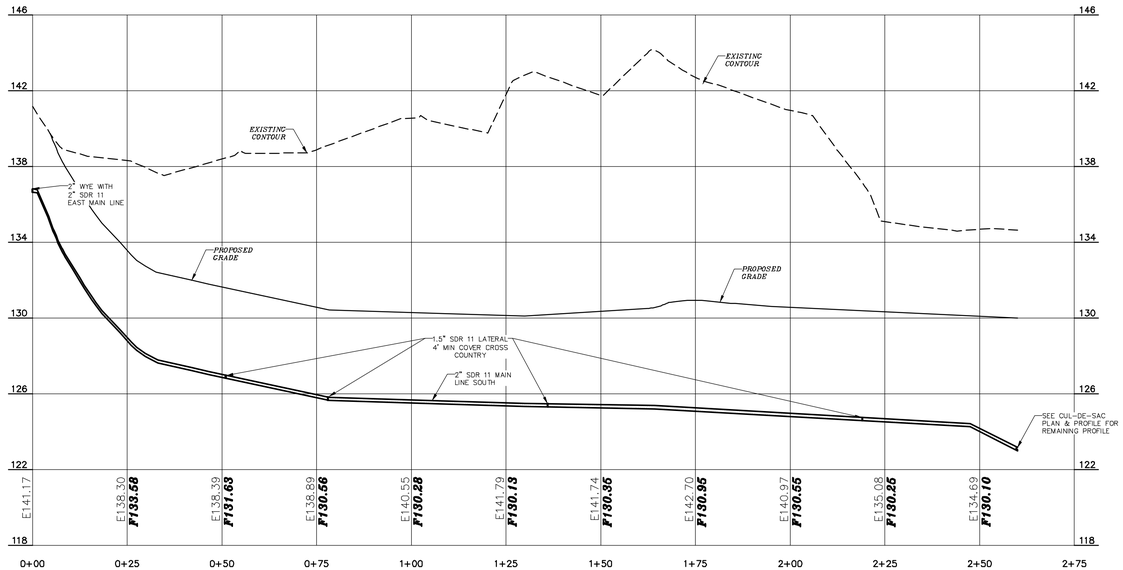
PLAN VIEW EFFLUENT FORCEMAIN SOUTH

GRAPHIC SCALE

20 0 10 20 40 80

(IN FEET)
1 inch = 20 ft.
VERTICAL SCALE: 1" = 4'

PROFILE VIEW EFFLUENT FORCEMAIN SOUTH



LEGEND:

- PROPOSED SEWER MANHOLE W/ STRUCTURE
- PROPOSED DRAIN MANHOLE W/ STRUCTURE
- PROPOSED CATCH BASIN W/ STRUCTURE
- TEMPORARY BENCHMARK (T.B.M.)
- E101 / E6 — DETAIL SHEET / DETAIL
- 176 — CONTOUR MINOR, EXISTING
- 175 — CONTOUR MAJOR, EXISTING
- F176 — CONTOUR MINOR, PROPOSED
- F175 — CONTOUR MAJOR, PROPOSED
- CENTER LINE
- EWL / ESL — EXISTING WATER MAIN
- EXISTING SEWER LINE
- EXISTING DRAINAGE LINE
- OHU — EXISTING OVERHEAD UTILITY
- W / FP / WS / PSL — PROPOSED WATER MAIN
- PROPOSED FIRE PROTECTION
- PROPOSED WATER SERVICE
- PROPOSED SEWER LINE
- UGE — PROPOSED DRAINAGE LINE
- UNDERGROUND UTILITY
- STORMWATER BEST MANAGEMENT PRACTICE (BMP)
- TEST PIT
- PROPOSED BITUMINOUS CONCRETE
- TRANSFORMER
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CITY OF DOVER PLANNING FILE #

REVISION	DATE	DESCRIPTION
#1	10–17–24	REVISED UNIT COUNT AND ASSOCIATED MODIFICATIONS

EFFLUENT FORCEMAIN PROFILE SOUTH
PLAN
FOR
KNOX MARSH DEVELOPMENT LLC
LAND OF
5 SHERMAN STREET LLC
1 COLD SPRINGS ROAD
DOVER, N.H.
TAX MAP H, LOT 47–A

BERRY SURVEYING & ENGINEERING
335 SECOND CROWN POINT ROAD
BARRINGTON, NH 03825 (603)332–2863

SCALE : 1 IN. EQUALS 20 FT.
DATE : SEPTEMBER 1, 2024
FILE NO. : DB 2023 – 126

STATE OF NEW HAMPSHIRE
KENNETH A. BERRY No. 14243 LICENSED PROFESSIONAL ENGINEER

NOT FOR CONSTRUCTION

PROJECT NOTES:

1.) OWNER: 5 SHERMAN STREET LLC
242 CENTRAL AVE
DOVER, NH 03820

APPLICANT: KNOX MARSH DEVELOPMENT LLC
242 CENTRAL AVE
DOVER, NH 03820

2.) TAX MAP H, LOT 47-A

3.) S.C.R.D. BOOK 5190, PAGE 597

4.) LOT AREA: 117,854 Sq. Ft., 2.71 Ac.

5.) THE INTENT OF THIS PLAN IS TO PROVIDE A DETAIL OF UTILITY & ENGINEERING DETAILS FOR SOPHIE DRIVE AND TAX MAP H, LOT 47-A.

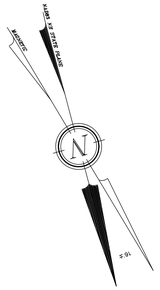
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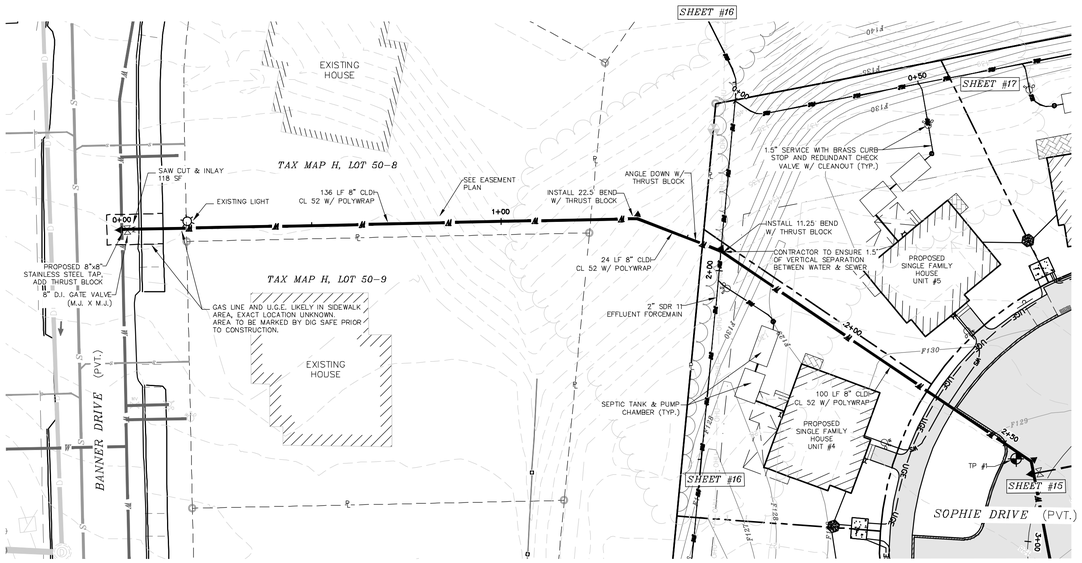
7.) BS&E IS TO PROVIDE ADDITIONAL BENCHMARKS PRIOR TO CONSTRUCTION.

8.) EXISTING AND PROPOSED CONTOURS ARE PROVIDED AT 1' INTERVALS WITH DRAINAGE FEATURES AT MORE PRECISE INTERVALS.

9.) SEE PROJECT NOTES SHEET FOR REMAINING PROJECT NOTES.

10.) INDIVIDUAL PUMP DESIGNS WILL BE COMPUTED BY A PROFESSIONAL ENGINEER AND PROVIDED TO THE CITY OF DOVER, COMMUNITY SERVICES, DPW, ENGINEERING DEPARTMENT AS A FUNCTION OF OBTAINING A BUILDING PERMIT.





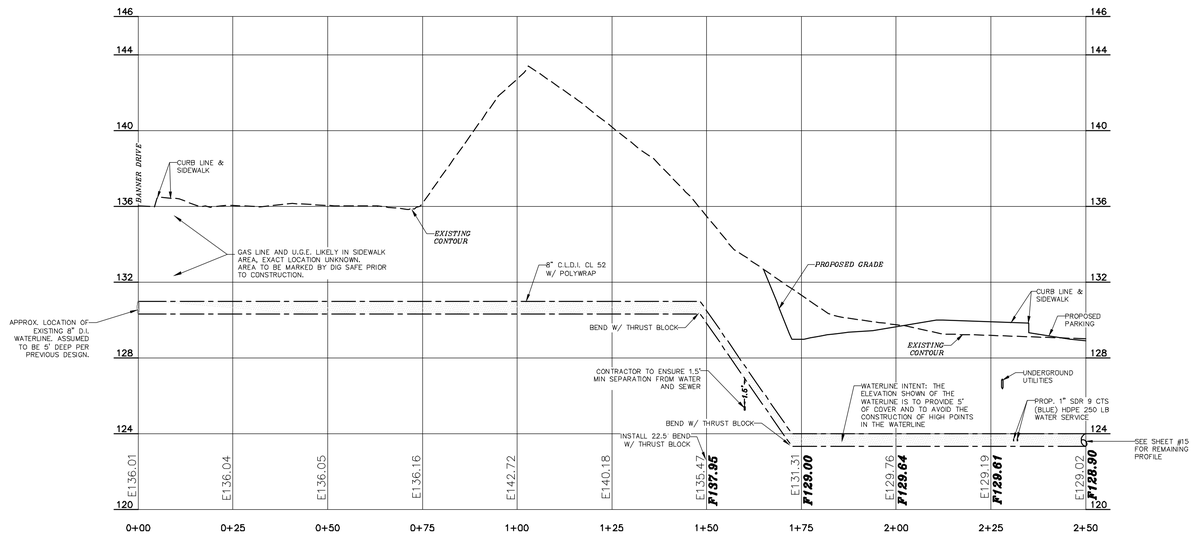
PLAN VIEW WATERLINE CONNECTION

LEGEND:

- PROPOSED SEWER MANHOLE W/ STRUCTURE
- PROPOSED DRAIN MANHOLE W/ STRUCTURE
- PROPOSED CATCH BASIN W/ STRUCTURE
- TEMPORARY BENCHMARK (T.B.M.)
- E101 / E6 — DETAIL SHEET / DETAIL
- CONTOUR MINOR, EXISTING
- CONTOUR MAJOR, EXISTING
- CONTOUR MINOR, PROPOSED
- CONTOUR MAJOR, PROPOSED
- CENTER LINE
- EXISTING WATER MAIN
- EXISTING SEWER LINE
- EXISTING DRAINAGE LINE
- EXISTING OVERHEAD UTILITY
- PROPOSED WATER MAIN
- PROPOSED FIRE PROTECTION
- PROPOSED WATER SERVICE
- PROPOSED SEWER LINE
- PROPOSED DRAINAGE LINE
- UNDERGROUND UTILITY
- STORMWATER BEST MANAGEMENT PRACTICE (BMP)
- TEST PIT
- PROPOSED BITUMINOUS CONCRETE
- TRANSFORMER
- GATE VALVE
- CURB STOP
- FIRE HYDRANT
- THRUST BLOCKS
- LAMP "A" POLE MOUNTED 20' HIGH
- LAMP "B" POLE MOUNTED 16.5' HIGH
- LAMP "C" BUILDING MOUNTED 12' HIGH
- LAMP "D" BUILDING MOUNTED 7' HIGH
- LAMP "E" BUILDING MOUNTED 3.5' HIGH

GRAPHIC SCALE
20 0 10 20 40 80
(IN FEET)
1 inch = 20 ft.

PROFILE VIEW WATERLINE CONNECTION



GRAPHIC SCALE
20 0 10 20 40 80
(IN FEET)
1 inch = 20 ft.
VERTICAL SCALE: 1" = 4'

CITY OF DOVER PLANNING FILE #

#	REVISION	DATE	DESCRIPTION
#1		10-17-24	REVISED UNIT COUNT AND ASSOCIATED MODIFICATIONS

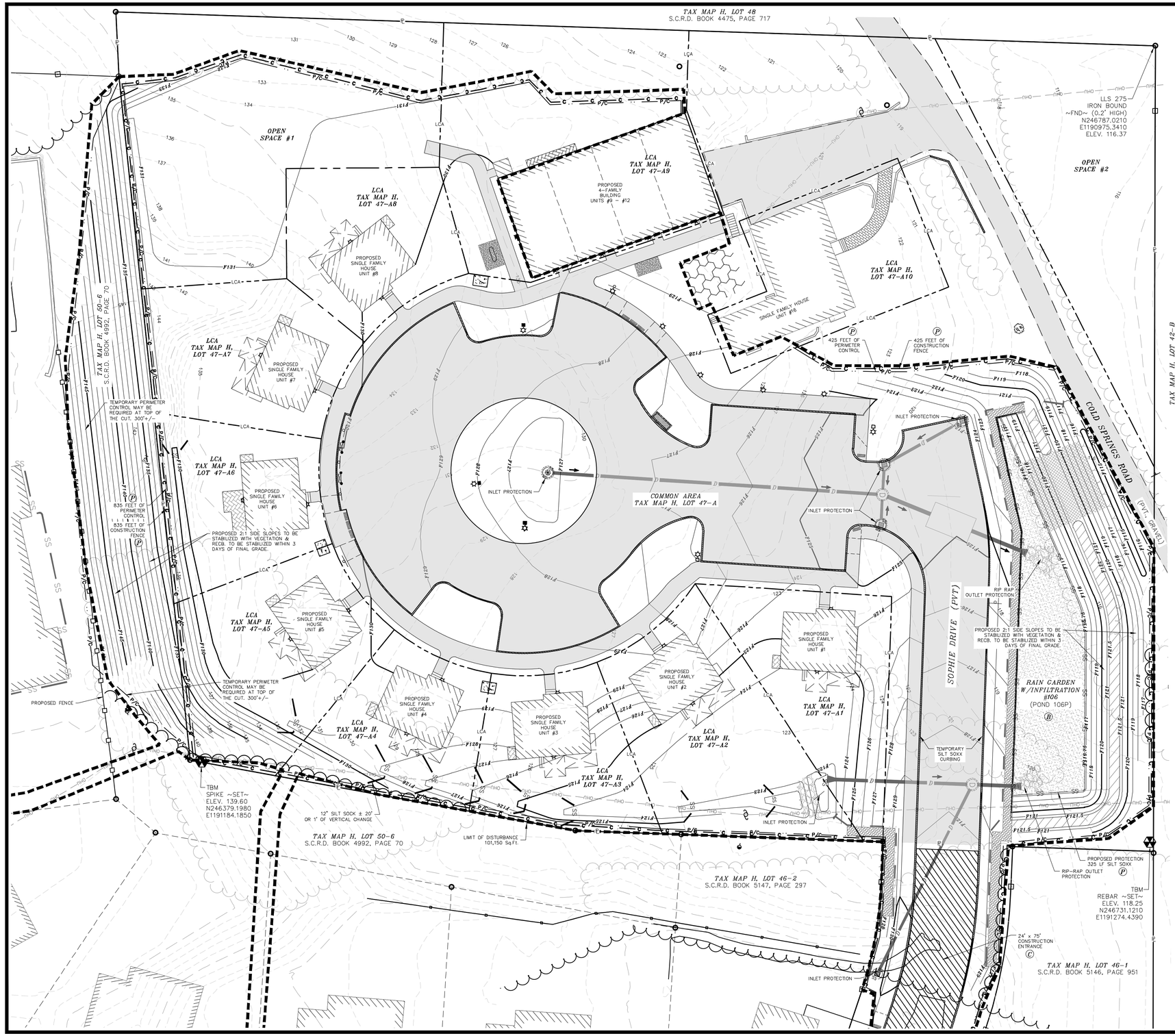
WATERLINE CONNECTION PLAN & PROFILE
FOR
KNOX MARSH DEVELOPMENT LLC
LAND OF
5 SHERMAN STREET LLC
1 COLD SPRINGS ROAD
DOVER, N.H.
TAX MAP H, LOT 47-A

BERRY SURVEYING & ENGINEERING
335 SECOND CROWN POINT ROAD
BARRINGTON, NH 03825 (603)332-2863

SCALE : 1 IN. EQUALS 20 FT.
DATE : SEPTEMBER 1, 2024
FILE NO. : DB 2023 - 126

KENNETH A. BERRY No. 14241 LICENSED PROFESSIONAL ENGINEER - STATE OF NEW HAMPSHIRE

NOT FOR CONSTRUCTION



NOTES:

1.) OWNER: 5 SHERMAN STREET LLC
242 CENTRAL AVE
DOVER, NH 03820

APPLICANT: KNOX MARSH DEVELOPMENT LLC
242 CENTRAL AVE
DOVER, NH 03820

2.) TAX MAP H, LOT 47-A

3.) S.C.R.D. BOOK 5190, PAGE 597

4.) LOT AREA: 117,854 Sq. Ft., 2.71 Ac.

5.) THE INTENT OF THIS PLAN IS SHOW THE PROPOSED EROSION AND SEDIMENT CONTROL MEASURES.

6.) CONTRACTOR IS TO INSTALL A CONSTRUCTION ENTRANCE PRIOR TO EARTH DISTURBING ACTIVITIES.

7.) CONTRACTOR IS RESPONSIBLE FOR SWEEPING THE PARKING LOT, SIDEWALKS AND ANYTHING DISTURBED, TO ENSURE THAT NO SEDIMENT IS BEING TRACKED ONTO SOPHIE DRIVE.

8.) CONTRACTOR IS RESPONSIBLE FOR CLEANING AND MAINTAINING THE INLET PROTECTION ONCE INSTALLED.

9.) FUGITIVE DUST IS TO BE CONTROLLED THROUGHOUT THE CONSTRUCTION PROCESS IN ACCORDANCE WITH ENV-A 1000.

10.) CONTRACTOR IS TO MEET THE REQUIREMENTS SPECIFIED IN RSA 430:51-57 AND AGR 3800, RELATING TO INVASIVE SPECIES.

11.) CONTRACTOR IS RESPONSIBLE FOR PROTECTING THE WATER QUALITY FROM ANY RUNOFF DURING THE CONSTRUCTION PROCESS, IN ACCORDANCE WITH ENV-WQ 1507, IN ORDER TO PREVENT VIOLATIONS OF THE STORM WATER QUALITY STANDARDS.

12.) CATCH BASIN RIM IS TO BE RAISED WITH FINAL GRADE SO THAT STORMWATER RUNOFF CAN DRAIN PROPERLY THROUGHOUT CONSTRUCTION.

LEGEND:

- IRON BOUND ~FND~
- GRANITE BOUND ~FND~
- IRON PIPE ~FND~
- EXISTING/PROPOSED CATCH BASIN W/ STRUCTURE
- PROPOSED STORMWATER BMP OUTLET STRUCTURE
- TEMPORARY BENCHMARK (T.B.M.)
- E101 / E6 — DETAIL SHEET / DETAIL
- CONTOUR MINOR, EXISTING
- CONTOUR MAJOR, EXISTING
- CONTOUR MINOR, PROPOSED
- CONTOUR MAJOR, PROPOSED
- CENTER LINE
- EXISTING DRAINAGE LINE
- PROPOSED DRAINAGE LINE
- RIP RAP
- STORMWATER BEST MANAGEMENT PRACTICE (BMP)
- BERM
- RETAINING WALL
- SILT FENCE / EROSION MIX BERM
- FILTREXX 8" - 12" SILT SOXX AS SPECIFIED
- ORANGE CONSTRUCTION PERIMETER FENCE
- PERIMETER CONTROL
- LIMIT OF PROJECT DISTURBANCE (101,150 Sq. Ft.)
- B — STORMWATER BMP PROTECTION
- P — PERIMETER CONTROL
- C — ROADWAY CONSTRUCTION

NADB3 NH STATE PLANE

MAGNETIC

SOILS & DEWATERING:

26 WINDSOR LOAMY SAND K= 0.17

SEE SITE SPECIFIC SOILS MAP (SSSM)
SEE WEBSOIL USDA-NRCS
ERODIBILITY FACTOR - K, CPESC MANUAL, ENVIROCERT INTERNATIONAL INC. & ROCKINGHAM COUNTTY SOIL SURVEY, ROCKWEB SOIL ATTRIBUTES.

CONTRACTOR TO BE AWARE OF THE SOIL PROFILES AND ENSURE THAT PROPER EROSION PREVENTION AND SEDIMENT CONTROL MEASURES ARE TAKEN AT ALL TIMES. ANY DEWATERING REQUIREMENTS IN NEW HAMPSHIRE REQUIRE SPECIAL PROVISIONS IN ACCORDANCE WITH THE "CLARIFICATION OF SECTION 9.1.2 (STATE OF NEW HAMPSHIRE CONDITIONS) AND OTHER NH SPECIFIC INFORMATION FOR THE U.S. EPA 2012 NPDES CONSTRUCTION GENERAL PERMIT (CGP)" DATED MAY 3, 2012 INCLUDED IN THE SWPPP.

COVER MANAGEMENT DURING CONSTRUCTION FOR EXPOSED SOIL WILL INCLUDE HAY / STRAW APPLIED AT A RATE OF 2.0 TONS PER ACRE, TEMPORARY SEEDING OF ANNUAL RYE GRASS, AND PERMANENT SEEDING AT THE EARLIES OPPORTUNITY. SEE ADDITIONAL REQUIREMENT FOR STABILIZATION ON THE EROSION AND SEDIMENT CONTROL DETAIL SHEETS, E-101 AND E-102.

THE CONSTRUCTION SCHEDULE WILL BE MANAGED SO THAT ALL STORMWATER STRUCTURES WILL BE BUILT AND STABILIZED PRIOR TO RECEIVING SURFACE WATER RUNOFF. CONTRACTOR TO BE RESPONSIBLE FOR ALL DIVERSIONS DURING CONSTRUCTION AND FOR INTERIM SEDIMENT AND EROSION CONTROL MEASURES. SEE E&SC NOTES SHEET E-102.

GRAPHIC SCALE

20 0 10 20 40 80

(IN FEET)
1 inch = 20 ft.

CITY OF DOVER PLANNING FILE #

REVISION	DATE	DESCRIPTION
#1	10-17-24	REVISED UNIT COUNT AND ASSOCIATED MODIFICATIONS

EROSION AND SEDIMENT CONTROL PLAN
FOR
KNOX MARSH DEVELOPMENT LLC
LAND OF
5 SHERMAN STREET LLC
1 COLD SPRINGS ROAD
DOVER, N.H.
TAX MAP H, LOT 47-A

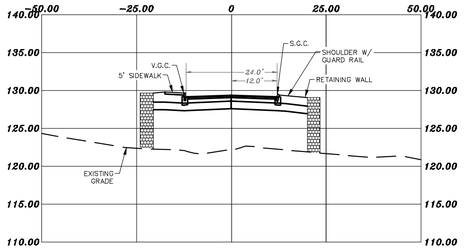
BERRY SURVEYING & ENGINEERING
335 SECOND CROWN POINT ROAD
BARRINGTON, NH 03825 (603)332-2863

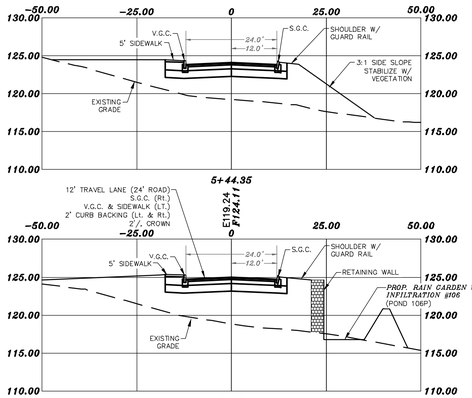
SCALE : 1 IN. EQUALS 20 FT.
DATE : SEPTEMBER 1, 2024
FILE NO. : DB 2023 - 126

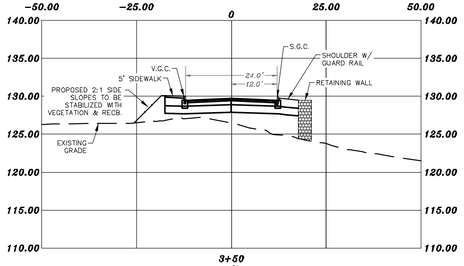
STATE OF NEW HAMPSHIRE
KENNETH A. BERRY
No. 11249
LICENSED PROFESSIONAL ENGINEER

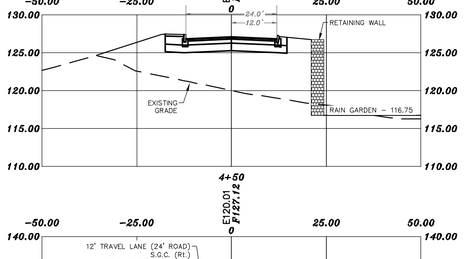
NOT FOR CONSTRUCTION

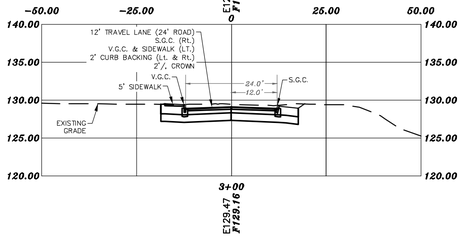
SOPHIE DRIVE EXTENSION

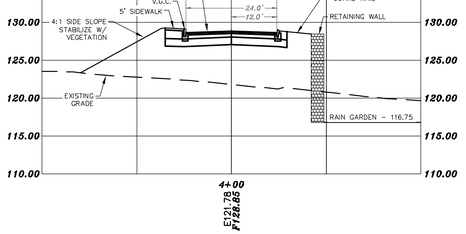










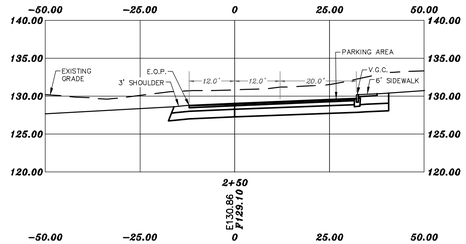


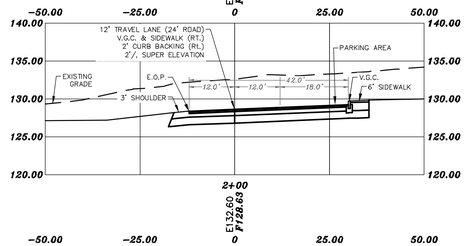
GRAPHIC SCALE

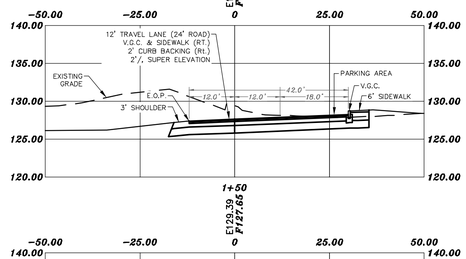
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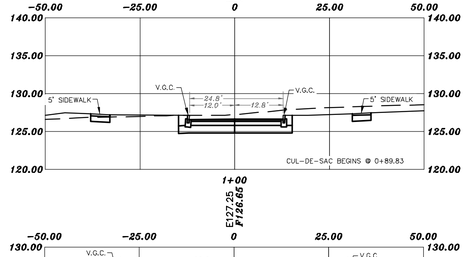
(IN FEET)
1 inch = 20 ft.
Vertical Scale 10

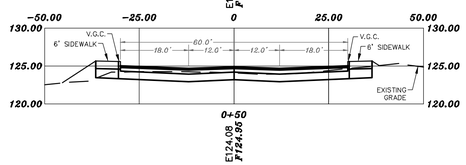
CUL–DE–SAC

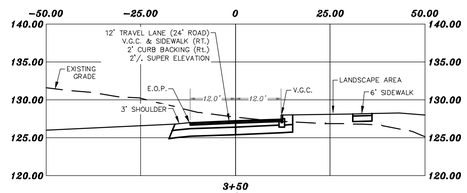


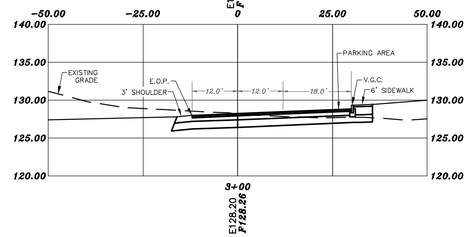












CITY OF DOVER PLANNING FILE #

REVISION	DATE	DESCRIPTION
#1	10-17-24	REVISED UNIT COUNT AND ASSOCIATED MODIFICATIONS

CROSS SECTIONS
FOR
KNOX MARSH DEVELOPMENT LLC
LAND OF
5 SHERMAN STREET LLC
1 COLD SPRINGS ROAD
DOVER, N.H.
TAX MAP H, LOT 47–A

BERRY & SURVEYING ENGINEERING
335 SECOND CROWN POINT ROAD
BARRINGTON, NH 03825 (603)332–2863

SCALE : 1 IN. EQUALS 20 FT.
DATE : SEPTEMBER 1, 2024
FILE NO. : DB 2023 – 126

STATE OF NEW HAMPSHIRE
KENNETH A. BERRY No. 14288 LICENSED PROFESSIONAL ENGINEER

NOT FOR CONSTRUCTION

NOTES:

1.) OWNER: 5 SHERMAN STREET LLC
242 CENTRAL AVE
DOVER, NH 03820

APPLICANT: KNOX MARSH DEVELOPMENT LLC
242 CENTRAL AVE
DOVER, NH 03820

2.) TAX MAP H, LOT 47-A

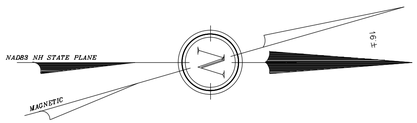
3.) S.C.R.D. BOOK 5190, PAGE 597

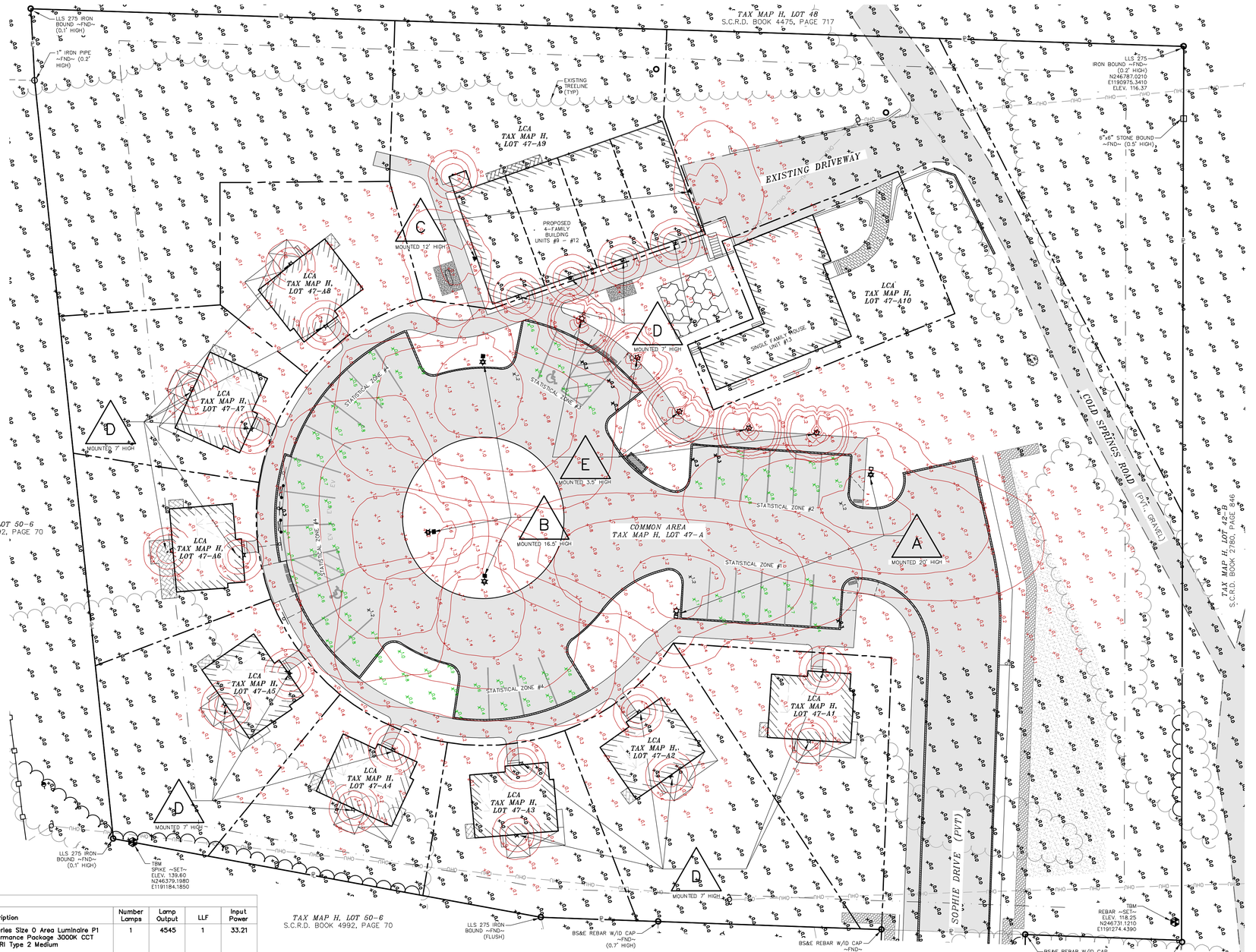
4.) LOT AREA: 117,854 Sq. Ft., 2.71 Ac.

5.) THE INTENT OF THIS PLAN IS SHOW THE PROPOSED LIGHTING DESIGN.

6.) SEE CONSTRUCTION DETAILS FOR LAMP CUT SHEETS.

7.) SEE PROJECT NOTES SHEET FOR SITE PLAN NOTES.





LEGEND:

- UTILITY POLE / GUY WIRE
- SINGLE POST SIGN
- TEMPORARY BENCHMARK
- ABUTTING PROPERTY LINE
- BUILDING SETBACK LINE
- OHU OHU OHU — OVERHEAD UTILITIES
- PROPOSED LCA LINE
- PERIMETER BOUNDARY
- FND FOUND
- TYP TYPICAL
- S.C.R.D. STRAFFORD COUNTY REGISTRY OF DEEDS
- LAMP "A" POLE MOUNTED 20' HIGH
- LAMP "B" POLE MOUNTED 16.5' HIGH
- LAMP "C" BUILDING MOUNTED 12' HIGH
- LAMP "D" BUILDING MOUNTED 7' HIGH
- LAMP "E" BOLLARD LIGHT 3.5' HIGH

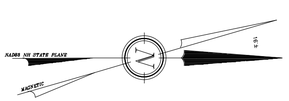
A
B
C
D
E

Schedule

Symbol	Label	QTY	Manufacturer	Catalog	Description	Number Lamps	Lamp Output	LLF	Input Power
	A	2	Lithonia Lighting	DSXO LED P1 30K 70CRI T2M	D-Series Size 0 Area Luminaire P1 Performance Package 3000K CCT 70 CRI Type 2 Medium	1	4545	1	33.21
	B	3	Lithonia Lighting	DSXO LED P1 30K 70CRI T4M	D-Series Size 0 Area Luminaire P1 Performance Package 3000K CCT 70 CRI Type 4 Medium	1	4666	1	33.21
	C	2	Lithonia Lighting	WDGE2 LED P0 30K 70CRI TFTM	WDGE2 LED WITH P0 – PERFORMANCE PACKAGE, 3000K, 70CRI, TYPE FORWARD THROW MEDIUM OPTIC	1	751	1	6.8946
	D	21		ODSL10 SRC	CRAFTSTON WALL MOUNTED SMALL DECORATIVE LANTERN, ONE LAMP 13W SPIRAL COMPACT FLUORESCENT, WHITE GLASS DIFFUSER 4.25" DIA. X 6.65" HIGH, ELECTRONIC BALLAST	1	900	1	12.6
	E	5	Lithonia Lighting	KBA8 LED 12C 350 30K ASY MVOLT	KBA8 WITH 3 LIGHT BOARDS (12 LEDs), 350mA DRIVER, 3000K COLOR TEMP, AND ASYMMETRIC OPTIC	1	641	1	16

Statistics

Description	Symbol	Avg	Max	Min	Max/Min	Avg/Min
Stat Zone #1	X	0.8 fc	1.2 fc	0.3 fc	4.0:1	2.7:1
Stat Zone #2	X	0.7 fc	1.2 fc	0.3 fc	4.0:1	2.3:1
Stat Zone #3	X	0.5 fc	1.2 fc	0.3 fc	4.0:1	1.7:1
Stat Zone #4	X	0.7 fc	1.2 fc	0.3 fc	4.0:1	2.3:1



GRAPHIC SCALE
20 0 10 20 40 80
(IN FEET)
1 inch = 20 ft.

CITY OF DOVER PLANNING FILE #

REVISION	DATE	DESCRIPTION
#1	10-17-24	REVISED UNIT COUNT AND ASSOCIATED MODIFICATIONS

LIGHTING PLAN
FOR
KNOX MARSH DEVELOPMENT LLC
LAND OF
5 SHERMAN STREET LLC
1 COLD SPRINGS ROAD
DOVER, N.H.
TAX MAP H, LOT 47-A

BERRY SURVEYING & ENGINEERING
335 SECOND CROWN POINT ROAD
BARRINGTON, NH 03825 (603)332-2863

SCALE : 1 IN. EQUALS 20 FT.
DATE : SEPTEMBER 1, 2024
FILE NO. : DB 2023 - 126

STATE OF NEW HAMPSHIRE
KENNETH A. BERRY No. 14247 LICENSED PROFESSIONAL ENGINEER

SHEET 21 OF 36

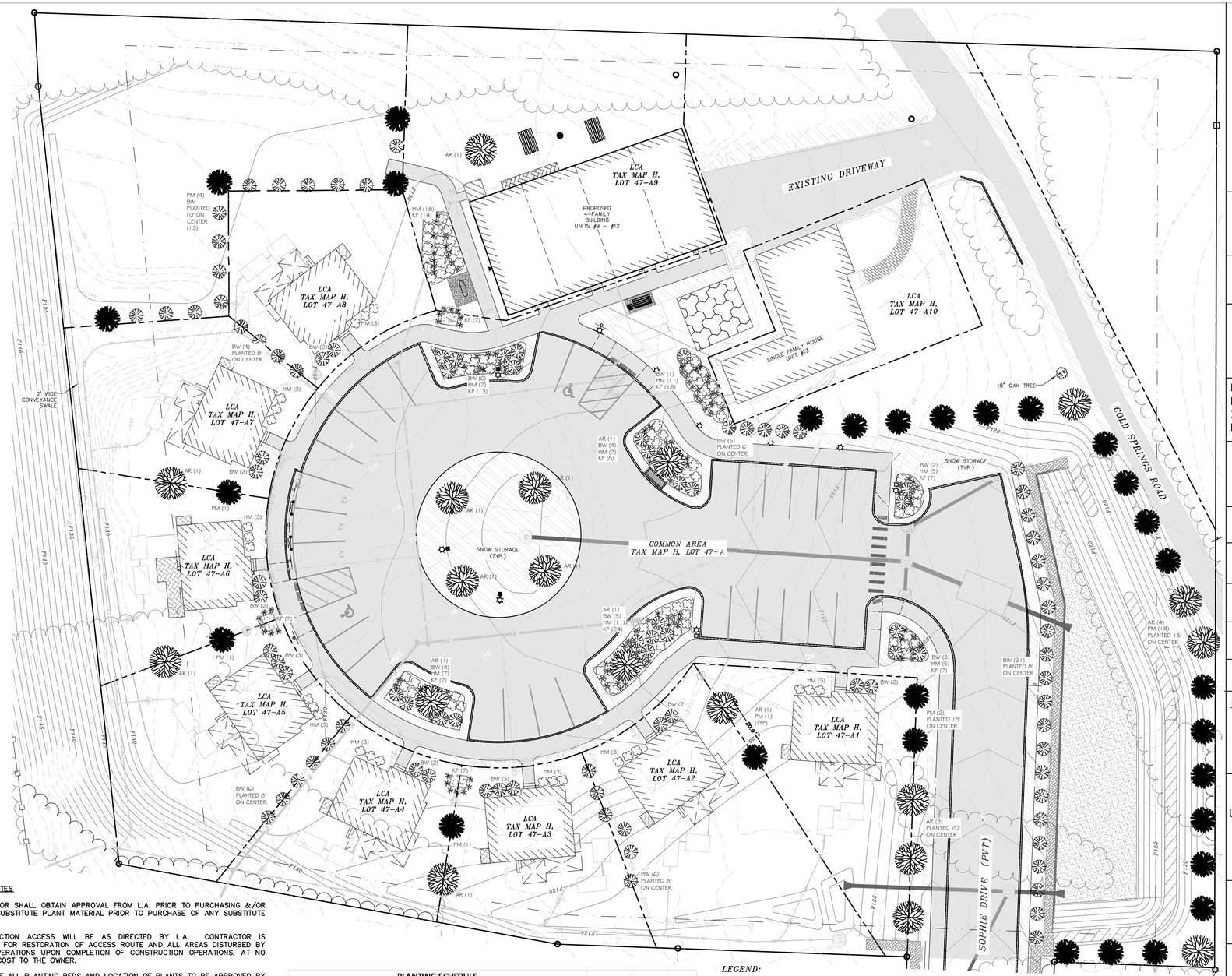
NOT FOR CONSTRUCTION

NOTES:

1. CALL DIG SAFE PRIOR TO BEGINNING WORK. (1-888-344-7233). THE LANDSCAPE CONTRACTOR IS ADVISED OF THE PRESENCE OF UNDERGROUND UTILITIES AND SHALL VERIFY THE EXISTENCE AND LOCATION OF THE SAME BEFORE COMMENCING AND DIGGING OPERATIONS. THE LANDSCAPE CONTRACTOR SHALL REPLACE OR REPAIR UTILITIES, PAVING, WALKS, CURBING, ETC DAMAGED IN PERFORMANCE OF THIS JOB AT NO ADDITIONAL COST TO THE OWNER OR GENERAL CONTRACTOR.
2. CONTRACTOR SHALL THOROUGHLY FAMILIARIZE THEMSELVES WITH ALL SITE CONDITIONS PRIOR TO CONSTRUCTION BIDDING.
3. THE CONTRACTOR SHALL SUPPLY ALL PLANT MATERIALS IN QUANTITIES SUFFICIENT TO COMPLETE THE PLANTINGS SHOWN ON THE DRAWINGS. VARIATIONS IN QUANTITIES ARE TO BE APPROVED BY THE DESIGN ENGINEER.
4. PROVIDED SMOOTH TRANSITION WHERE NEW WORK MEETS EXISTING CONDITIONS.
5. ALL PLANT MATERIAL INSTALLED SHALL MEET THE SPECIFICATIONS OF "AMERICAN STANDARD FOR NURSERY STOCK" BY THE AMERICAN ASSOCIATION OF NURSERYMEN
6. ALL PLANT MATERIALS SHALL BE FREE FROM INSECTS AND DISEASE.
7. ALL PLANTINGS SHALL BE DONE IN ACCORDANCE WITH ACCEPTABLE HORTICULTURAL PRACTICES. THIS IS TO INCLUDE PROPER PLANTING MIX, PLANT BED AND TREE PIT PREPARATION,RUNING STAKING OR GUYING, WRAPPING, SPRAYING, FERTILIZATION, PLANTING AND ADEQUATE MAINTENANCE UNTIL ACCEPTANCE FROM OWNER.
8. ALL GRASS, OTHER VEGETATION AND DEBRIS SHALL BE REMOVED FROM ALL PLANTING AREAS PRIOR TO PLANTING.
9. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF EXISTING AND NEWLY PLANTED TREES AND SHRUBS DURING THE CONSTRUCTION PROCESS. WHERE REQUIRED, THE CONTRACTOR SHALL INSTALL TEMPORARY FENCING (SNOW OR EQUAL) AROUND EXISTING TREES AND SHRUBS THAT COULD BE IMPACTED BY THE CONSTRUCTION PROCESS. STORAGE OF CONSTRUCTION EQUIPMENT, CONSTRUCTION MATERIALS, SNOW STORAGE AND OR VEHICLE PARKING SHALL NOT BE PERMITTED WITHIN THE DRIP LINE OF TREES OR TWENTY FEET WHICH EVER IS GREATER.
10. NEW PLANTINGS SHALL BE INSTALLED PER PROJECT DRAWINGS AND SPECIFICATION THAT INCLUDE FERTILIZATION AND MULCHING AS REQUIRED.
11. ALL SHRUB BEDS AND TREE PITS SHALL BE MULCHED WITH 3" CLEAN SHREDDED BLACK MULCH.
12. WHERE INDICATED ON PLAN, PLANTING SOIL MIXTURE FOR GROUND COVER AND PERENNIAL BED AREAS SHALL CONSIST OF FOUR PARTS TOPSOIL, TWO PARTS SPHAGNUM PEAT MOSS, AND ONE PART HORTICULTURAL PERLITE BY VOLUME. PEAT MOSS MAY BE SUBSTITUTED WITH WELL-ROTTED OR DEHYDRATED MANURE OR COMPOST. ROTOTILL BEDS TO A DEPTH OF 8 INCHES.
13. MAINTENANCE OF NEW PLANTINGS AND LAWNS SHALL BE THE RESPONSIBILITY OF THE GENERAL CONTRACTOR AND OR LANDSCAPE SUBCONTRACTOR UNTIL ACCEPTANCE BY THE OWNER. RESPONSIBILITIES SHALL INCLUDE WATERING WEEDING AND MOWING AS NECESSARY. ALL PLANT MATERIAL SHALL BE GUARANTEED FOR A PERIOD OF ONE YEAR FROM THE DATE OF ACCEPTANCE, REPLACEMENT MATERIAL SHALL BE GUARANTEED FOR AND ADDITIONAL YEAR FROM TIME OF INSTALLATION.
14. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING ALL TEMPORARY EROSION CONTROL MEASURES DURING THE CONSTRUCTION PHASE AND UNTIL ALL AREAS HAVE BEEN STABILIZED AND ACCEPTED BY THE OWNER. THE GENERAL CONTRACTOR SHALL PROVIDE WEEKLY INSPECTIONS OF EROSION MEASURE AND IMMEDIATELY AFTER STORM EVENTS AND REPAIR AS NECESSARY.
15. THE GENERAL CONTRACTOR AND OR THE LANDSCAPE SUBCONTRACTOR SHALL BE RESPONSIBLE FOR THE REMOVAL OF ALL THREE GUYING MATERIAL ONCE PLANT MATERIAL HAS BEEN ESTABLISHED. (MINIMUM OF ONE GROWING SEASON). ALL TEMPORARY EROSION CONTROL MEASURE SHALL BE REMOVED ONCE STABILIZATION OF DISTURBANCE HAS BEEN ACCEPTED BY OWNER.
16. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR A MINIMUM OF TWO MOWINGS FOR ALL TURF AREAS OR UNTIL ACCEPTANCE BY THE OWNER. A MINIMUM UNIFORM 75% CATCH OF TURF IS REQUIRED FOR ACCEPTANCE.
17. ALL PLANTINGS SHALL BE WATERED REGULARLY DURING THEIR FIRST YEAR AND MAINTAINED PERMANENTLY IN GOOD GROWING CONDITION AS AN EFFECTIVE VISUAL SCREEN.
18. SHRUBS OR TREES WHICH DIE SHALL BE REPLACED WITHIN ONE GROWING SEASON WITH NEW SHRUBS OR TREES TO ENSURE CONTINUED COMPLIANCE WITH APPLICABLE LANDSCAPING REQUIREMENTS.
19. ALL REQUIRED LANDSCAPING SHALL BE INSTALLED BEFORE OCCUPANCY, OR WITHIN SIX MONTHS IF OCCUPANCY OCCURS DURING WINTER CONDITIONS.
20. TREES ARE TO BE 6' TALL AT PLANTING.
21. ALL PLANT STOCK SHALL CONFORM TO ANSI Z260.1 – NURSERY STOCK, LATEST EDITIONS (AMERICAN ASSOCIATION OF NURSERYMEN, INC.)
22. 4" AGED PINEBARK MULCH AND A WEED BARRIER (TY-PAR FABRIC OR APPROVED EQUAL) SHALL BE APPLIED TO ALL SHRUB AND GROUND COVER BEDS. INSTALL WEED BARRIER AS PER MANUFACTURERS RECOMMENDATIONS.
23. PLANT-PIT BACK-FILL SHALL BE MIXED AT A RATE OF 7 PARTS OF TOPSOIL TO 2 PARTS OF DEHYDRATED COW MANURE. SLOW RELEASE FERTILIZER SHALL BE APPLIED AS PER MANUFACTURERS RECOMMENDATIONS. USE EXISTING ON-SITE TOPSOIL AS PART OF BACK FILL WHEN AVAILABLE.
24. ALL LANDSCAPED AREAS NOT PLANTED WITH TREES, SHRUBS OR GROUNDCOVER SHALL BE RESTORED WITH SEED OR SOD AS INDICATED ON PLANS.
25. TOPSOIL WILL BE TESTED FOR FERTILIZATION REQUIREMENTS, AND SLOW RELEASE ENVIRONMENTALLY FRIENDLY FERTILIZER WILL BE APPLIED AT THE RECOMMENDED RATES.
26. ALL DISTURBED WETLAND BUFFER AREAS, EXCEPT FOR AREAS THAT ARE PART OF THE DRAINAGE SYSTEM, ARE TO BE RESEEDED WITH A CONSERVATION SEED MIX AND ONLY MOWED TWICE PER YEAR.
27. ALL PLANT SUBSTITUTIONS MUST BE APPROVED BY THE ENGINEER.
28. PLANTS SHALL BE SUBJECT TO INSPECTION AND APPROVAL AT THE PLACE OF GROWTH, UPON DELIVERY OR AT THE JOB SITE WHILE WORK IS ONGOING TO CONFORMITY TO SPECIFIED QUALITY, SIZE AND VARIETY.
29. PLANTS FURNISHED IN CONTAINERS SHALL HAVE THE ROOTS WELL ESTABLISHED IN THE SOIL MASS AND SHALL HAVE AT LEAST ONE (1) GROWING SEASON. ROOT-BOUND PLANTS OR INADEQUATELY SIZED CONTAINERS TO SUPPORT THE PLANT MAY BE DEEMED UNACCEPTABLE.
30. ALL PLANTS SHALL BE GUARANTEED BY THE CONTRACTOR FOR NO LESS THAN ONE FULL YEAR FROM THE TIME OF INSTALLATION. DURING THIS TIME, THE OWNER SHALL MAINTAIN ALL PLANT MATERIALS IN THE ABOVE MANNER. IT IS THE CONTRACTOR'S RESPONSIBILITY TO INSPECT THE PLANTS TO ENSURE PROPER CARE. IF THE CONTRACTOR IS DISSATISFIED WITH THE CARE GIVEN, HE SHALL IMMEDIATELY, AND IN SUFFICIENT TIME TO PERMIT THE CONDITION TO BE RECTIFIED, NOTIFY THE OWNER IN WRITING OR OTHERWISE FORFEIT HIS CLAIM.
31. BY THE END OF THE GUARANTEE PERIOD, THE CONTRACTOR SHALL HAVE REPLACED ANY PLANT MATERIAL THAT IS MISSING, NOT TRUE TO SIZE AS SPECIFIED, THAT HAS DIED, THAT HAS LOST NATURAL SHAPE DUE TO DEAD BRANCHES, EXCESS PRUNING OR INADEQUATE OR IMPROPER CARE, OR IS, IN THE OPINION OF THE OWNER, IN UNHEALTHY OR UNSIGHTLY CONDITION.
32. THE CONTRACTOR IS TO USE TEMPORARY MEASURES FOR WATERING PLANTS DURING THE ESTABLISHMENT PERIOD. INCLUDING CONNECTING TEMPORARY HOSES TO THE STRUCTURE WATER SUPPLY LINE AND UTILIZING SPRINKLERS UNTIL 85% GROWTH OCCURS.

TEMPORARY WATERING NOTES

1. CONTRACTOR IS RESPONSIBLE FOR MAKING SURE ALL PLANT MATERIAL HAS ADEQUATE WATER DURING THE ESTABLISHMENT PERIOD.
2. THE USE OF GATOR BAGS, SOAKER HOSE, HAND WATERING AND OTHER TECHNIQUES SHOULD BE USED TO ASSURE PROPER HYDRATION OF THE PLANTINGS IS MAINTAINED.
3. TEMPORARY IRRIGATION SYSTEMS CAN BE SET UP TO ASSIST IN WATERING ACTIVITIES.



PLANTING NOTES

1. CONTRACTOR SHALL OBTAIN APPROVAL FROM L.A. PRIOR TO PURCHASING &/OR INSTALLING SUBSTITUTE PLANT MATERIAL PRIOR TO PURCHASE OF ANY SUBSTITUTE MATERIALS.
2. CONSTRUCTION ACCESS WILL BE AS DIRECTED BY L.A. CONTRACTOR IS RESPONSIBLE FOR RESTORATION OF ACCESS ROUTE AND ALL AREAS DISTURBED BY PLANTING OPERATIONS UPON COMPLETION OF CONSTRUCTION OPERATIONS, AT NO ADDITIONAL COST TO THE OWNER.
3. LAYOUT OF ALL PLANTING BEDS AND LOCATION OF PLANTS TO BE APPROVED BY L.A. ON SITE PRIOR TO CONSTRUCTION AND INSTALLATION.
4. CONTRACTOR TO REMOVE ALL DEBRIS GENERATED BY PLANT INSTALLATION. DEBRIS TO BE DISPOSED OF IN A LEGAL MANNER.
5. ALL PLANT MATERIAL SHALL BE GUARANTEED TO BE IN GOOD, HEALTHY & FLOURISHING CONDITION FOR ONE YEAR FROM THE DATE OF FINAL INSTALLATION APPROVAL BY L.A. CONTRACTOR SHALL REPLACE, WITHOUT COST TO OWNER, AND AS SOON AS WEATHER CONDITIONS PERMIT, ALL DEAD AND NON-FLOURISHING PLANTS AS DETERMINED BY THE L.A. REPLACEMENT PLANTS SHALL BE BE GUARANTEED IDENTICALLY TO ORIGINAL PLANTS, TIME PERIOD COMMENCING FROM DATE OF REPLACEMENT PLANTING APPROVAL BY L.A.
6. ALL BEDS TO BE MULCHED WITH 3" DEPTH SHREDDED BARK MULCH UNLESS NOTED OTHERWISE.
7. CONTRACTOR TO PROVIDE NECESSARY TEMPORARY IRRIGATION IF NEEDED BASED ON TIME OF YEAR THE PROJECT IS IMPLEMENTED.
8. ALL PLANT MATERIAL TO COMPLY WITH THE CITY OF DOVER'S SITE REVIEW REGULATIONS.

PLANTING SCHEDULE			
Saphic Drive			
Botenical Name/ Common Name			
Trees	**Size**	**Qty**	**Label**
Acer rubrum / Red Maple	4" Cal.	19	AR
Pseudotsuga menziesii / Douglas Fir	4" Cal.	29	PM
Shrubs			
Buxus / Boxwood	3 Gal.	98	BW
Grasses			
Calamagrostis acutifolia 'Karl Foerster' / Feather Reed Grass	#2	119	KF
Perennials			
Hydrangea macrophylla/ Hydrangea	#1	95	HM

LEGEND:

TREES:
AR – RED MAPLE
PM – DOUGLAS FIR
BUSHES:
BW – BOXWOOD
GRASSES:
KF – FEATHER REED GRASS
PLANTS:
HM – HYDRANGERA

SEE NEIGHBORHOOD SHEET (SHEET #1) FOR DRAINAGE & UTILITY SYMBOLS

GRAPHIC SCALE

20 0 10 20 40 80

(IN FEET)
1 inch = 20 ft.

terrain
planning & design llc
311 kast hill road
hopkinton, nh 03229
603. 491. 2322
terrainplanning.com

SOPHIE DRIVE

Site Location:
1 COLD SPRINGS ROAD
Dover, NH
Tax Map: H, Lot 47-A

Prepared For:
Berry Surveying & Engineering
335 Second Crown Point Rd
Barrington, NH 03825

LANDSCAPE PLAN

DATE: September 1, 2024

SCALE: 1" = 20'

PROJECT #: 23-126

Drawn By: JB

Checked By: ERB

REVISIONS: DATE:

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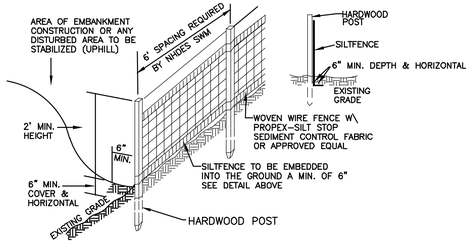
L - 01

SHEET 22 OF 36

LICENSED LANDSCAPE ARCHITECT
ERIC R BUCK
078
STATE OF NEW HAMPSHIRE

NOT FOR CONSTRUCTION

E1



SILT FENCE CONSTRUCTION SPECIFICATIONS

1. WOVEN WIRE FENCE TO BE FASTENED SECURELY TO FENCE POSTS WITH WIRE TIES OR STAPLES AND FILTER CLOTH SHALL BE FASTENED TO WOVEN WIRE EVERY 24" AT TOP MID AND BOTTOM SECTIONS AND BE EMBEDDED INTO GROUND A MINIMUM OF 8" THE FENCE POSTS SHALL BE A MINIMUM 48" LONG, SPACED A MAXIMUM 6' APART, AND DRIVEN A MINIMUM OF 16" INTO THE GROUND.
2. WHEN TWO SECTIONS OF FILTER CLOTH ADJOIN EACH OTHER, THE ENDS OF THE FABRIC SHALL BE OVERLAPPED BY SIX INCHES, FOLDED AND STAPLED TO PREVENT SEDIMENT FROM BY-PASSING.
3. MAINTENANCE SHALL BE PERFORMED AS NEEDED AND SEDIMENT REMOVED WHEN "BULGES" DEVELOP IN THE SILT FENCE AND PROPERLY DISPOSED OF. SEE MAINTENANCE NOTE BELOW. REMOVAL OF SEDIMENT REQUIRED AT A DEPTH OF 6-INCHES.
4. PLACE THE ENDS OF THE SILT FENCE UP CONTOUR TO PROVIDE FOR SEDIMENT STORAGE.
5. SILT FENCES SHALL BE REMOVED WHEN NO LONGER NEEDED AND THE SEDIMENT COLLECTED SHALL BE DISPOSED AS DIRECTED BY THE ENGINEER.
6. THE AREA DISTURBED BY THE REMOVAL SHALL BE SMOOTHED AND RE-VEGETATED.
7. TO BE CONSTRUCTED IAW NH SWM #3 4-2 SEDIMENT CONTROL PRACTICES, SILT FENCE, PAGE 90.

SILT FENCE MAINTENANCE

1. SILT FENCES SHALL BE INSPECTED IMMEDIATELY AFTER EACH RAINFALL AND AT LEAST DAILY DURING PROLONGED RAINFALL. ANY REPAIRS THAT ARE REQUIRED SHALL BE MADE IMMEDIATELY.
2. IF THE FABRIC ON A SILT FENCE SHOULD DECOMPOSE OR BECOME INEFFECTIVE DURING THE EXPECTED LIFE OF THE FENCE, THE FABRIC SHALL BE REPLACED PROMPTLY.
3. SEDIMENT DEPOSITS SHOULD BE REMOVED WHEN THEY REACH SIX-INCHES IN DEPTH.
4. SEDIMENT DEPOSITS THAT ARE REMOVED OR LEFT IN PLACE AFTER THE FABRIC HAS BEEN REMOVED SHALL BE GRADED TO CONFORM WITH THE EXISTING TOPOGRAPHY AND VEGETATED.

SILT FENCE DETAIL
NOT TO SCALE

E2

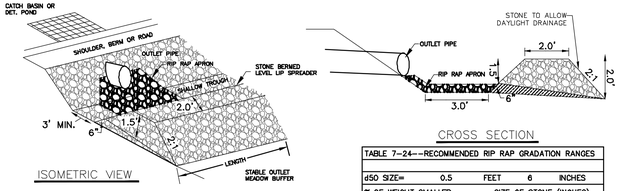
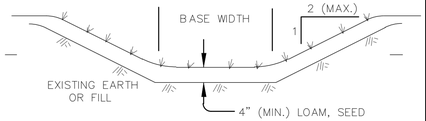


TABLE 7-24--RECOMMENDED RIP RAP GRADATION RANGES			
d50 SIZE=	0.5	FEET	6 INCHES
% OF WEIGHT SMALLER THAN THE GIVEN d50 SIZE	SIZE OF STONE (INCHES) FROM		TO
100%	9		12
85%	8		11
50%	6		9
15%	2		3

1. CONSTRUCT THE LEVEL SPREADER LIP ON A 0% GRADE TO INSURE UNIFORM SPREADING OF RUNOFF.
2. LEVEL SPREADER SHALL BE CONSTRUCTED ON UNDISTURBED SOIL AND NOT ON FILL.
3. THE ENTIRE LEVEL LIP AREA SHALL BE PROTECTED BY PLACING EXCELSIOR ENFORCER MATTING BENEATH THE STONE. EACH STRIP SHALL OVERLAP BY AT LEAST SIX INCHES.
4. THE FLOW FROM THE LEVEL SPREADER SHALL OUTLET ONTO STABILIZED AREAS. WATER SHOULD NOT RE-CONCENTRATE IMMEDIATELY BELOW THE SPREADER.
5. MAINTENANCE: THE LEVEL SPREADER SHOULD BE CHECKED PERIODICALLY AND AFTER EVERY MAJOR STORM TO DETERMINE IF THE LIP HAS BEEN DAMAGED AND THE DESIGN CONDITIONS HAVE NOT CHANGED. ANY DETRIMENTAL SEDIMENT ACCUMULATION SHOULD BE REMOVED. IF STONE REMOVAL HAS TAKEN PLACE ON THE LIP, THEN THE DAMAGE SHOULD BE REPAIRED.
6. REFERENCE IS MADE TO NHDES SWM VOL. 2, 4-6, STONE BERM LEVEL SPREADERS, PAGE 162

STONE BERM LEVEL SPREADER
NOT TO SCALE

E3



GRASS SWALE
NOT TO SCALE

INSPECT ANNUALLY FOR EROSION, SEDIMENT ACCUMULATIONS, VEGETATION LOSS, & INVASIVE SPECIES. REPAIR AS NECESSARY.

MOW GRASS ANNUALLY TO A DEPTH OF 4".

INSTALL STABILIZATION MATTING DURING CONSTRUCATION

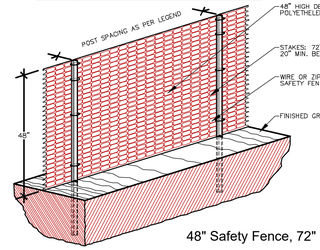
TO BE CONSTRUCTED IAW NH SWM #2 CHAPTER 4, #5 TREATMENT SWALES, PAGE 123.

E4

CONSTRUCTION SAFETY FENCE
NOT TO SCALE

LEGEND

SAF12	48" ORANGE FENCE, 12 FEET O.C.
SAF11	48" ORANGE FENCE, 11 FEET O.C..
SAF10	48" ORANGE FENCE, 10 FEET O.C.
SAF9	48" ORANGE FENCE, 9 FEET O.C.
SAF8	48" ORANGE FENCE, 8 FEET O.C..
SAF7	48" ORANGE FENCE, 7 FEET O.C.
SAF6	48" ORANGE FENCE, 6 FEET O.C.



48" Safety Fence, 72" T-Posts

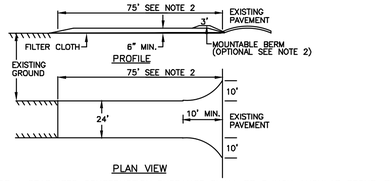
1. ALL SENSITIVE AREAS SHALL BE PROTECTED AS PER PLAN.
2. ALL TREES IN THE CONSTRUCTION AREA NOT SPECIFICALLY DESIGNATED FOR REMOVAL SHALL BE PRESERVED AND PROTECTED WITH HIGH VISIBILITY FENCE AS PER PLAN.
3. WHEN PRACTICABLE, INSTALL HIGH VISIBILITY 3 FEET OUTSIDE OF THE DRIP LINE OF THE TREE.
4. SAFETY FENCE SHOULD BE FASTENED SECURELY TO THE T-POSTS.
5. THE FENCING MUST REMAIN IN PLACE DURING ALL PHASES OF CONSTRUCTION; ANY CHANGE OF THE PROTECTIVE FENCING MUST BE APPROVED.

CITY OF DOVER PLANNING FILE #

REVISION	DATE	DESCRIPTION
#1	10-17-24	REVISED UNIT COUNT AND ASSOCIATED MODIFICATIONS

E5

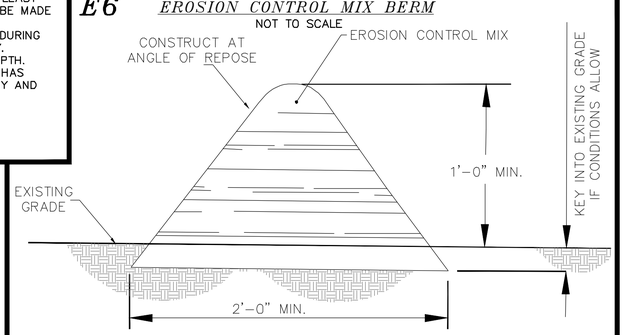
STABILIZED CONSTRUCTION ENTRANCE
NOT TO SCALE



1. STONE FOR A STABILIZED CONSTRUCTION ENTRANCE SHALL BE 3 INCH ANGULAR STONE, RECLAIMED STONE, OR RECYCLED CONCRETE EQUIVALENT WITH ENGINEERED FABRIC.
2. THE LENGTH OF THE STABILIZED ENTRANCE SHALL NOT BE LESS THAN 75 FEET, EXCEPT THAT THE MINIMUM LENGTH MAY BE REDUCED TO 50 FEET IF A 3-INCH TO 6-INCH BERM IS INSTALLED AT THE ENTRANCE OF THE PROJECT SITE.
3. THE THICKNESS OF THE STONE FOR THE STABILIZED ENTRANCE SHALL NOT BE LESS THAN 6 INCHES.
4. THE WIDTH OF THE ENTRANCE SHALL NOT BE LESS THAN THE FULL WIDTH OF THE ENTRANCE WHERE INGRESS OR EGRESS OCCURS OR 10 FEET, WHICH EVER IS GREATER.
5. GEOTEXTILE FILTER CLOTH SHALL BE PLACED OVER THE ENTIRE AREA PRIOR TO PLACING
6. ALL SURFACE WATER THAT IS FLOWING TO OR DIVERTED TOWARD THE CONSTRUCTION ENTRANCE SHALL BE PIPED BENEATH THE ENTRANCE. IF PIPING IS IMPRACTICAL, A BERM WITH 5:1 SLOPES THAT CAN BE CROSSED BY VEHICLES MAY BE SUBSTITUTED FOR THE PIPE.
7. THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION THAT WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHTS-OF-WAY. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH ADDITIONAL STONE AS CONDITIONS DEMAND AND REPAIR AND/OR CLEAN OUT OF ANY MEASURES USED TO TRAP SEDIMENT. ALL SEDIMENT SPILLED, WASHED, OR TRACKED ONTO PUBLIC RIGHT-OF-WAY MUST BE REMOVED PROMPTLY.
8. TO BE CONSTRUCTED IAW NH SWM #3 4-2 SEDIMENT CONTROL PRACTICES, TEMPORARY CONSTRUCTION EXIT, PAGE 124.

E6

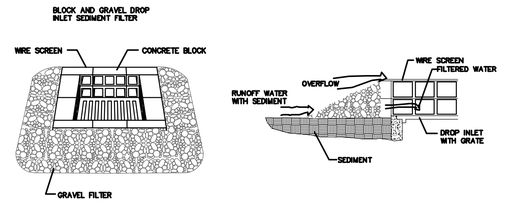
EROSION CONTROL MIX BERM
NOT TO SCALE



EROSION CONTROL MIX BERMS SHALL BE USED ONLY AS FOLLOWS:

1. BERMS SHALL BE USED IN AREAS WHERE EROSION WILL OCCUR ONLY IN THE FORM OF SHEET EROSION AND THERE IS NO CONCENTRATION OF WATER IN A CHANNEL OR DRAINAGE WAY ABOVE THE BERM.
2. THE BERMS SHALL BE INSTALLED FOLLOWING THE CONTOUR OF THE LAND AS CLOSELY AS POSSIBLE.
3. THE BERMS SHALL BE INSTALLED ON SLOPES LESS THAN 5%.
4. SUBJECT TO (E), BELOW, THE MIX SHALL HAVE AN ORGANIC PORTION BETWEEN 80 AND 100%, DRY WEIGHT BASIS, AND BE FIBROUS AND ELONGATED SUCH AS FROM SHREDDED BARK, STUMP GRINDINGS, COMPOSED BARK, OR EQUIVALENT MANUFACTURED PRODUCTS.
5. WOOD AND BARK CHIPS, GROUND CONSTRUCTION DEBRIS, OR REPROCESSED WOOD PRODUCTS SHALL NOT BE USED AS ORGANIC MATERIAL.
6. THE MIX SHALL NOT CONTAIN SILTS, CLAY, OR FINE SANDS.
7. THE MIX SHALL HAVE A PARTICLE SIZE BY WEIGHT OF 70 TO 85% PASSING A 6-INCH SCREEN AND A MAXIMUM OF 85% PASSING THE 0.75-INCH SCREEN.
8. THE MIX PH SHALL BE BETWEEN 5.0 AND 8.0.
9. THE BERM SHALL BE AT LEAST 12 INCHES HIGH AND AT LEAST 2 FEET WIDE.
10. TO BE CONSTRUCTED IAW NH SWM #3 4-2 SEDIMENT CONTROL PRACTICES, EROSION CONTROL MIX BERMS, PAGE 106.

E7



MAINTENANCE

ALL STRUCTURES SHOULD BE INSPECTED AFTER EVERY RAIN STORM AND REPAIRS MADE AS NECESSARY. SEDIMENT SHOULD BE REMOVED FROM TRAPPING DEVICES AFTER THE SEDIMENT HAS REACHED A MAXIMUM OF ONE HALF THE DEPTH OF THE TRAP. THE SEDIMENT SHOULD BE DISPOSED OF IN A SUITABLE AREA AND PROTECTED FROM EROSION BY EITHER STRUCTURE OR VEGETATIVE MEANS. THE TEMPORARY TRAPS SHOULD BE REMOVED AND THE AREA REPAIRED AS SOON AS THE CONTRIBUTING DRAINAGE AREA TO THE INLET HAS BEEN COMPLETELY STABILIZED.

BLOCK & GRAVEL DROP INLET SEDIMENT FILTER
NOT TO SCALE

TO BE USED IN ALL AREAS WHERE THERE WILL BE NO TRAFFIC.

TO BE CONSTRUCTED IAW NH SWM #3 4-2 SEDIMENT CONTROL PRACTICES, TEMPORARY STORM DRAIN INLET PROTECTION, PAGE 118.

E8

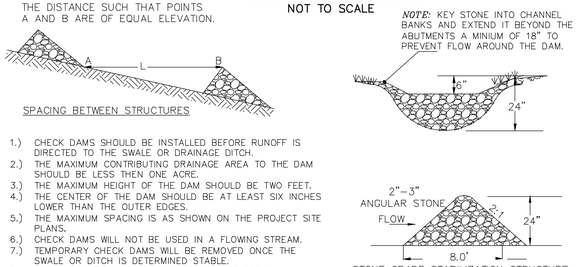
TEMPORARY EROSION CONTROL MEASURES

1. THE SMALLEST PRACTICAL AREA OF LAND SHALL BE EXPOSED AT ANY ONE TIME.
2. EROSION, SEDIMENT AND DETENTION MEASURES SHALL BE INSTALLED AS SHOWN ON THE PLANS AND AT LOCATIONS AS REQUIRED, DIRECTED BY THE ENGINEER.
3. ALL DISTURBED AREAS SHALL BE RETURNED TO ORIGINAL GRADES AND ELEVATIONS. DISTURBED AREAS SHALL BE LOAMED WITH A MINIMUM OF 4" OF LOAM AND SEEDED WITH NOT LESS THAN ONE POUND OF SEED PER 50 SQUARE YARDS OF AREA. (SEE SEED SPECIFICATIONS THIS SHEET)
4. ALL DISTURBED AREAS WILL BE RESTABILIZED WITHIN 45 DAYS. AT ANY ONE TIME, NO MORE THAN 5 ACRES, (217,800 Sq. Ft.) WILL BE DISTURBED.
5. SILT FENCES AND PERIMETER BARRIERS SHALL BE INSPECTED PERIODICALLY AND AFTER EVERY RAIN DURING THE LIFE OF THE PROJECT. ALL DAMAGED AREAS SHALL BE REPAIRED, SEDIMENT DEPOSITS SHALL PERIODICALLY BE REMOVED AND DISPOSED OF.
6. AFTER ALL DISTURBED AREAS HAVE BEEN STABILIZED, THE TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES ARE TO BE REMOVED AND THE AREA DISTURBED BY THE REMOVAL SMOOTHED AND RE-VEGETATED.
7. PER THE EPA CGP REQUIREMENTS THERE WILL BE REPORTS OF THE EROSION CONTROL INSPECTIONS IAW SWPPP PREPARED BY BS&E. ALL EROSION CONTROLS SHALL BE INSPECTED WEEKLY AND WITHIN 24 HOURS AFTER 0.25" OR GREATER RAIN EVENT.
8. DITCHES, SWALES, AND BASINS SHALL BE STABILIZED PRIOR TO DIRECTING RUNOFF TO THEM.
9. DO NOT TRAFFIC EXPOSED SOIL SURFACES WITH CONSTRUCTION EQUIPMENT. IF FEASIBLE, PERFORM EXCAVATIONS WITH EQUIPMENT POSITIONED OUTSIDE THE LIMITS OF THE INFILTRATION SYSTEM.
10. DRIVEWAYS AND CUT AND FILL SPLOPES MUST BE STABILIZED WITHIN 72 HOURS OF ACHIEVING FINAL GRADE.
11. STABILIZATION MEANS:
    - 11.1. A MINIMUM OF 85% OF VEGETATIVE COVER HAS BEEN ESTABLISHED.
    - 11.2. A MINIMUM OF 3 INCHES OF NON-EROSIVE MATERIAL SUCH AS STONE OR RIP RAP HAS BEEN INSTALLED, OR
    - 11.3. EROSION CONTROL BLANKETS HAVE BEEN INSTALLED.
12. THIS PROJECT IS TO BE MANAGED IN A MANNER THAT MEETS THE REQUIREMENTS AND INTENT OF RSA 430:53 AND CHAPTER AGR 3800 RELATIVE TO INVASIVE SPECIES.
13. THE NHDES STORMWATER MANUAL, IN THREE VOLUMES, DATED DECEMBER 2008, IS A PART OF THIS PLAN SET AND THE MORE RESTRICTIVE WILL GOVERN. (NH SWM)

EROSION & SEDIMENT CONTROL DETAILS
FOR
KNOX MARSH DEVELOPMENT LLC
LAND OF
5 SHERMAN STREET LLC
1 COLD SPRINGS ROAD
DOVER, N.H.
TAX MAP H, LOT 47-A

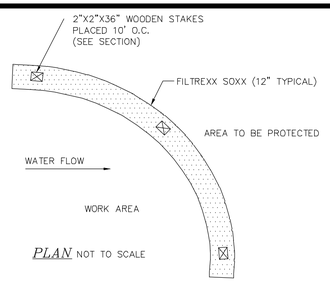
E9

STONE CHECK DAM
NOT TO SCALE



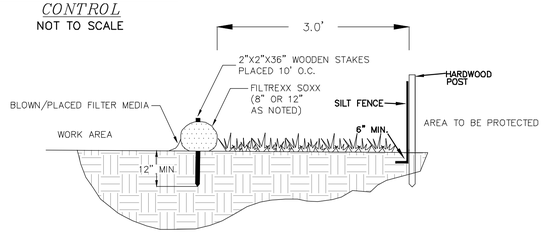
1.) CHECK DAMS SHOULD BE INSTALLED BEFORE RUNOFF IS DIRECTED TO THE SWALE OR DRAINAGE DITCH.
2.) THE MAXIMUM CONTRIBUTING DRAINAGE AREA TO THE DAM SHOULD BE LESS THEN ONE ACRE.
3.) THE MAXIMUM HEIGHT OF THE DAM SHOULD BE TWO FEET.
4.) THE CENTER OF THE DAM SHOULD BE AT LEAST SIX INCHES LOWER THAN THE OUTER EDGES.
5.) THE MAXIMUM SPACING IS AS SHOWN ON THE PROJECT SITE PLANS.
6.) CHECK DAMS WILL NOT BE USED IN A FLOWING STREAM.
7.) TEMPORARY CHECK DAMS WILL BE REMOVED ONCE THE SWALE OR DITCH IS DETERMINED STABLE.
8.) TO BE CONSTRUCTED IAW NH SWM #3 4-2 SEDIMENT CONTROL PRACTICES, TEMPORARY CHECK DAMS, PAGE 114.

E10



PLAN NOT TO SCALE

FILTREXX SEDIMENT CONTROL
NOT TO SCALE



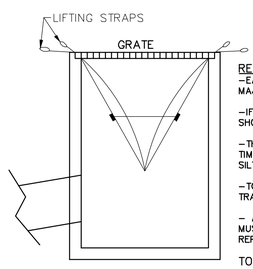
NOTES
1. ALL MATERIAL TO MEET FILTREXX SPECIFICATIONS.
2. FILTER MEDIA FILL TO MEET APPLICATION REQUIRMENTS.
3. COMPOST MATERIAL TO BE DISPERSED ON SITE, AS DETERMINED BY ENGINEER.
4. SILTSOXX MAY BE USED IN PLACE OF SILT FENCE OR OTHER SEDIMENT BARRIERS.
5. SILTSOXX COMPOST/SOIL/ROCK/SEED FILL MATERIAL SHALL BE ADJUSTED AS NECESSARY TO MEET THE REQUIRMENTS OF THE SPECIFIC APPLICATION.
6. FILTREXX SOXX IS A REGISTERED TRADEMARK OF FILTREXXIN TERNATIONAL, LLC.
7. SILT FENCE IS NOT A SUBSTITUTION FOR SILT SOXX AND ANY EQUAL SUBSTITUTION TO BE APPROVED.
8. TO BE CONSTRUCTED IAW FILTREXX, SECTION 1:EROSION & SEDIMENT CONTROL (PAGE 323) - CONSTRUCTION ACTIVITIES, SWPPP CUT SHEET: FILTREXX SEDIMENT CONTROL

Filtrexx International, LLC
35481 Grafton Eastern Rd | Grafton, Oh 44044
440-926-2607 | fax: 440-926-4021
WWW.FILTREXX.COM
OR APPROVED EQUAL

NOTE: FOR AREAS REQUIRING DOUBLE PERIMETER CONTROL WITHIN 50' OF JURISDICTIONAL WETLANDS AND NOT FOR ALL SILT SOXX APPLICATIONS. THIS DUPLICATION MAY BE SPECIFIED AS 12" SILT SOXX OR ORANGE CONSTRUCTION FENCE AS NOTED.

SECTION NOT TO SCALE

E11



RECOMMENDED MAINTENANCE SCHEDULE
-EACH SILTSACK SHOULD BE INSPECTED AFTER EVERY MAJOR RAIN EVENT, AND MUST BE MAINTAINED.
-IF THERE HAVE BEEN NO MAJOR EVENTS, SILTSACK SHOULD BE INSPECTED EVERY 2-3 WEEKS.
-THE RESTRAINT CORD SHOULD BE VISIBLE AT ALL TIMES. IF CORD IS COVERED WITH SEDIMENT, THE SILTSACK SHOULD BE EMPTIED.
-TO BE USED IN ALL AREAS WHERE THERE WILL BE TRAFFIC.
- ARE SUBJECT TO DAMAGE BY SNOW PLOWS, AND MUST BE INSPECTED AFTER ANY SNOW EVENT AND REPLACED AS REQUIRED.

TO BE CONSTRUCTED IAW NH SWM #3 4-2 SEDIMENT CONTROL PRACTICES, TEMPORARY STORM DRAIN INLET PROTECTION, PAGE 118.

SILTSACK DETAIL
NOT TO SCALE

E-101

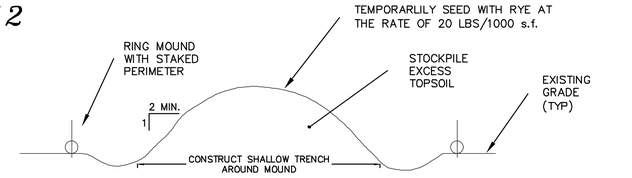
BERRY SURVEYING & ENGINEERING
335 SECOND CROWN POINT ROAD
BARRINGTON, NH 03825 (603)332-2863

SCALE : AS SHOWN
DATE : SEPTEMBER 1, 2024
FILE NO. : DB 2023 - 126

STATE OF NEW HAMPSHIRE
KENNETH A. BERRY No. 14738 LICENSED PROFESSIONAL ENGINEER

NOT FOR CONSTRUCTION

E12



TO BE CONSTRUCTED IAW NH SWM #3 4–1 EROSION CONTROL PRACTICES, SOIL STOCKPILE PRACTICES, PAGE 46.

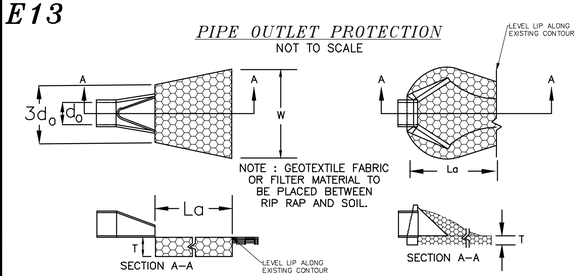
TOPSOIL STOCKPILE MOUND

NOT TO SCALE

E13

PIPE OUTLET PROTECTION

NOT TO SCALE



PIPE OUTLET TO FLAT AREA WITH NO DEFINED CHANNEL

PIPE OUTLET TO WELL–DEFINED CHANNEL

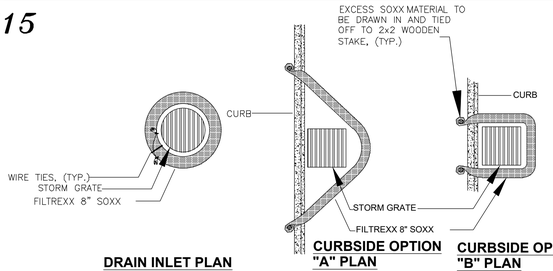
PIPE OUTLET PROTECTION CONSTRUCTION SPECIFICATIONS

1. THE SUB GRADE FOR THE FILTER MATERIAL, GEOTEXTILE FABRIC, AND RIP RAP SHALL BE PREPARED TO THE LINES AND GRADES SHOWN ON THE PLANS. SPECIFIED GRADATION.
2. THE ROCK OR GRAVEL USED FOR FILTER OF RIP RAP SHALL CONFORM TO NHDOT SECTION 583.
3. GEOTEXTILE FABRICS SHALL BE PROTECTED FROM PUNCTURE OR TEARING DURING THE PLACEMENT OF THE ROCK RIP RAP DAMAGED AREAS IN THE FABRIC SHALL BE REPAIRED BY PLACING A PIECE OF FABRIC OVER THE DAMAGED AREA OR BY COMPLETE REPLACEMENT OF THE FABRIC. ALL OVERLAPS REQUIRED FOR REPAIRS OR JOINING TWO PIECES OF FABRIC SHALL BE A MINIMUM OF 12 INCHES.
4. STONE FOR THE RIP RAP MAY BE PLACED BY EQUIPMENT AND SHALL BE CONSTRUCTED TO THE FULL LAYER THICKNESS IN ONE OPERATION AND IN SUCH A MANNER AS TO PREVENT SEGREGATION OF THE STONE SIZES.
5. TO BE CONSTRUCTED IAW NH SWM #2 4–6 CONVEYANCE PRACTICES, 6. OUTLET PROTECTION, PAGE 172.

E14

TABLE 7–24––RECOMMENDED RIP RAP GRADATION RANGES		
d50 SIZE= 0.5 FEET 6 INCHES		
% OF WEIGHT SMALLER THAN THE GIVEN d50 SIZE	SIZE OF STONE (INCHES) FROM	TO
100%	9	12
85%	8	11
50%	6	9
15%	2	3

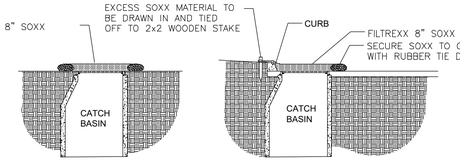
E15



DRAIN INLET PLAN

CURBSIDE OPTION "A" PLAN

CURBSIDE OPTION "B" PLAN



DRAIN INLET SECTION

CURBSIDE SECTION

NOTES:
1. ALL MATERIAL TO MEET FILTREXX SPECIFICATIONS.
2. FILTER MEDIA FILL TO MEET APPLICATION REQUIREMENTS.
3. COMPOST MATERIAL TO BE DISPERSED ON SITE, AS DETERMINED BY ENGINEER.

FILTREXX INLET PROTECTION

NOT TO SCALE

E16

NOTE: THIS PROJECT IS TO BE MANAGED IN A MANNER THAT MEETS THE REQUIREMENTS AND INTENT OF RSA 430:53 AND CHAPTER AGR 3800 RELATIVE TO INVASIVE SPECIES.

NOTE: Temporary seed mix for stabilization of turf shall be winter rye or oats at a rate of 2.5 lbs. per 1000 s.f. and shall be placed prior to OCT. 15, if permanent seeding not yet complete.

SEEDING GUIDE

USE	SEEDING MIXTURE 1/	DROUGHTY	WELL DRAINED	MODERATELY WELL DRAINED	POORLY DRAINED
STEEP CUTS AND FILLS, BORROW AND DISPOSAL AREAS	A	FAIR	GOOD	GOOD	FAIR
	B	POOR	GOOD	FAIR	FAIR
	C	POOR	GOOD	EXCELLENT	GOOD
	D	FAIR	FAIR	GOOD	EXCELLENT
	E	FAIR	EXCELLENT	EXCELLENT	POOR
WATERWAYS, EMERGENCY SPILLWAYS, AND OTHER CHANNELS WITH FLOWING WATER.	A	GOOD	GOOD	GOOD	FAIR
	C	GOOD	EXCELLENT	EXCELLENT	FAIR
	D	GOOD	EXCELLENT	EXCELLENT	FAIR
LIGHTLY USED PARKING LOTS, ODD AREAS, UNUSED LANDS, AND LOW INTENSITY USE RECREATION SITES.	A	GOOD	GOOD	GOOD	FAIR
	B	GOOD	GOOD	FAIR	POOR
	C	GOOD	EXCELLENT	EXCELLENT	FAIR
	D	FAIR	GOOD	GOOD	EXCELLENT
PLAY AREAS AND ATHLETIC FIELDS. (TOPSOIL IS ESSENTIAL FOR GOOD TURF.)	F	FAIR	EXCELLENT	EXCELLENT	2/
	G	FAIR	EXCELLENT	EXCELLENT	2/

RECOMMENDED

GRAVEL PIT, SEE NH–PM–24 IN APPENDIX FOR RECOMMENDATION REGARDING RECLAMATION OF SAND AND GRAVEL PITS.

1/ REFER TO SEEDING MIXTURES AND RATES IN TABLE 7–36.
2/ POORLY DRAINED SOILS ARE NOT DESIRABLE FOR USE AS PLAYING AREA AND ATHLETIC FIELDS.

SEEDING SPECIFICATIONS

1. GRADING AND SHAPING
   A. SLOPES SHALL NOT BE STEEPER THAN 2:1;3:1 SLOPES OR FLATTER ARE PREFERRED.
   WHERE MOWING WILL BE DONE, 3:1 SLOPES OR FLATTER ARE RECOMMENDED.
2. SEEDBED PREPARATION
   A. SURFACE AND SEEPAGE WATER SHOULD BE DRAINED OR DIVERTED FROM THE SITE TO PREVENT DROWNING OR WINTER KILLING OF THE PLANTS.
   B. STONES LARGER THAN 4 INCHES AND TRASH SHOULD BE REMOVED BECAUSE THEY INTERFERE WITH SEEDING AND FUTURE MAINTENANCE OF THE AREA. WHERE FEASIBLE, THE SOIL SHOULD BE TILLED TO A DEPTH OF ABOUT 4 INCHES TO PREPARE A SEED BED AND MIX FERTILIZER AND LIME INTO THE SOIL. THE SEEDBED SHOULD BE LEFT IN REASONABLY FIRM AND SMOOTH CONDITION. THE LAST TILLAGE OPERATION SHOULD BE PERFORMED ACROSS THE SLOPE WHEREVER PRACTICAL.
3. ESTABLISHING A STAND
   A. LIME AND FERTILIZER SHOULD BE APPLIED PRIOR TO OR AT THE TIME OF SEEDING
   AND INCORPORATED INTO THE SOIL KINDS AND AMOUNTS OF LIME AND FERTILIZER SHOULD BE BASED ON AN EVALUATION OF SOIL TESTS. WHEN A SOIL TEST IS NOT AVAILABLE,
   THE FOLLOWING MINIMUM AMOUNTS SHOULD BE APPLIED:
   AGRICULTURAL LIMESTONE, 2 TONS PER ACRE OR 100LBS. PER 1,000 SQ.FT.
   NITROGEN(N), 50LBS. PER ACRE OR 1.1LBS. PER 1,000 SQ.FT.
   PHOSPHATE(P2O5), 100LBS. PER ACRE OR 2.2LBS. PER 1,000 SQ.FT.
   POTASH(K2O), 100LBS. PER ACRE OR 2.2LBS. PER 1,000 SQ.FT.
   (NOTE: THIS IS THE EQUIVALENT OF 500LBS. PER ACRE OF 10–20–20 FERTILIZER OR 1,000LBS. PER ACRE OF 5–10–10.)
   B. SEED SHOULD BE SPREAD UNIFORMLY BY THE METHOD MOST APPROPRIATE FOR THE SITE. METHODS INCLUDE BROADCASTING, DRILLING AND HYDROSEEDING. WHERE BROADCASTING IS USED, COVER SEED WITH .25 INCH OF SOIL OR LESS, BY CULTIPACKING OR RAKING.
   C. REFER TO TABLE(G–E1 THIS SHEET) FOR APPROPRIATE SEED MIXTURES AND TABLE(H–E1 THIS SHEET) FOR RATES OF SEEDING. ALL LEGUMES (CROWNVETCH, BIRDSFOOT TREFOIL, AND FLATPEA) MUST BE INOCULATED WITH THEIR SPECIFIC INOCULANT.
   D. WHEN SEEDED AREAS ARE MULCHED, PLANTINGS MAY BE MADE FROM EARLY SPRING TO EARLY OCTOBER. WHEN SEEDED AREAS ARE NOT MULCHED, PLANTINGS SHOULD BE MADE FROM EARLY SPRING TO MAY 20 OR FROM AUGUST 10 TO SEPTEMBER 1.
4. MULCH
   A. HAY, STRAW, OR OTHER MULCH, WHEN NEEDED, SHOULD BE APPLIED IMMEDIATELY AFTER SEEDING.
   B. MULCH WILL BE HELD IN PLACE USING APPROPRIATE TECHNIQUES FROM THE BEST MANAGEMENT PRACTICE FOR MULCHING. HAY OR STRAW MULCH SHALL BE PLACED AT A RATE OF 90LBS PER 1000 S.F.
5. MAINTENANCE TO ESTABLISH A STAND
   A. PLANTED AREA SHOULD BE PROTECTED FROM DAMAGE BY FIRE, GRAZING, TRAFFIC, AND DENSE WEED GROWTH.
   B. FERTILIZATION NEEDS SHOULD BE DETERMINED BY ONSITE INSPECTIONS. SUPPLEMENTAL FERTILIZER IS USUALLY THE KEY TO FULLY COMPLETE THE ESTABLISHMENT OF THE STAND BECAUSE MOST PERENNIAL STAKE 2 TO 3 YEARS TO BECOME ESTABLISHED.
   C. IN WATERWAYS, CHANNELS, OR SWALES WHERE UNIFORM FLOW CONDITIONS ARE ANTICIPATED, OCCASIONAL MOWING MAY BE NECESSARY TO CONTROL GROWTH OF WOODY VEGETATION.
6. TO BE CONSTRUCTED IAW NH SWM #3 4–1 EROSION CONTROL PRACTICES, PERMANENT VEGETATION, PAGE 60.

SEEDING RATES

MIXTURE	POUNDS PER ACRE	POUNDS PER 1,000 Sq. Ft.
A. TALL FESCUE	20	0.45
CREEPING RED FESCUE	20	0.45
RED TOP	2	0.05
TOTAL	42	0.95
B. TALL FESCUE	15	0.35
CREEPING RED FESCUE	10	0.25
CROWN VETCH	15	0.35
OR		
FLAT PEA	30	0.75
TOTAL	40 OR 55	0.95 OR 1.35
C. TALL FESCUE	24	0.55
CREEPING RED FESCUE	24	0.55
BIRDS FOOT TREFOIL	REMOVED	REMOVED
TOTAL	48	1.10
D. TALL FESCUE	20	0.45
FLAT PEA	30	0.75
TOTAL	50	1.20
E. CREEPING RED FESCUE 1/	30	1.15
KENTUCKY BLUEGRASS 1/	70	1.15
TOTAL	100	1.30
F. TALL FESCUE 1	150	3.60

*

New England Conservation/Wildlife Mix

Botanical Name	Common Name	Indicator
Elymus virginicus	Virginia Wild Rye	FACW-
Schizachyrium scoparium	Little Bluestem	FACU
Andropogon gerardii	Big Bluestem	FAC
Festuca rubra	Red Fescue	FACU
Sorghastrum nutans	Indian Grass	UPL
Panicum virgatum	Switch Grass	FAC
Chamaecrista fasciculata	Partridge Pea	FACU
Desmodium canadense	Showy Tick Trefoil	FAC
Asclepias tuberosa	Butterfly Milkweed	NI
Bidens frondosa	Beggar Ticks	FACW
Eupatorium purpureum (Eutrochium maculatum)	Purple Joe Pye Weed	FAC
Rudbeckia hirta	Black Eyed Susan	FACU-
Aster pilosus (Symphyotrichum pilosum)	Heath (or Hairy) Aster	UPL
Solidago juncea	Early Goldenrod	

PRICE PER LB. $39.50 MIN. QUANTITY 2 LBS. TOTAL: $79.00 APPLY: 25 LBS/ACRE (1750 sq ft)/lb

E17 *CONSTRUCTION SEQUENCE:*

1.) CUT AND REMOVE TREES IN CONSTRUCTION AREA ONLY AS REQUIRED, RELOCATE ANY PROJECT T.B.M.

2.) CONSTRUCT AND/OR INSTALL TEMPORARY AND PERMANENT SEDIMENT EROSION AND DETENTION CONTROL FACILITIES AS SPECIFIED. EROSION AND SEDIMENT CONTROL MEASURES SHALL BE INSTALLED PRIOR TO ANY SOIL LAND DISTURBANCE AND MUST BE REVIEWED AND APPROVED BY THE COMMUNITY SERVICES DEPARTMENT.

3.) EROSION, SEDIMENT AND DETENTION CONTROL FACILITY SHALL BE INSTALLED & STABILIZED PRIOR TO DIRECTING RUNOFF TO THEM. TEMPORARY DIVERSIONS MAY BE REQUIRED. POST CONSTRUCTION STORM WATER MANAGEMENT PRACTICES MUST BE INITIATED AND STABILIZED EARLY IN THE PROCESS.

4.) CLEAR, CUT AND DISPOSE OF DEBRIS IN APPROVED FACILITY

5.) CONSTRUCT TEMPORARY CULVERTS AS REQUIRED, OR DIRECTED

6.) CONSTRUCT ROADWAYS FOR ACCESS TO DESIRED CONSTRUCTION AREAS. ALL ROADS SHALL BE STABILIZED IMMEDIATELY. DO NOT PLACE POROUS PAVEMENT WEARING COURSE INTO SERVICE UNTIL EXTERIOR BUILDING CONSTRUCTION IN COMPLETE. REMOVE ANY DIRT FROM CONVENTIONAL PAVEMENT BASE COURSE AND POROUS PAVEMENT BASE COURSE BEFORE APPLICATION OF POROUS PAVEMENT WEARING COURSE. DUMPSTERS SHALL NOT BE LOCATED ON POROUS PAVEMENT. REMOVE ANY EXCESS OVERFLOW PAVEMENT FROM THE PAVING OF THE CONVENTION PAVEMENT AND BITUMINOUS SIDEWALKS FROM THE POROUS SURFACE IF OVERFLOW OCCURS.

7.) START BUILDING CONSTRUCTION AND INSTALL PERIMETER FENCE WHERE SHOWN.

8.) INSTALL PIPE AND CONSTRUCTION ASSOCIATED APPURTENANCES AS REQUIRED OR DIRECTED. ALL DISTURBED AREAS SHALL STABILIZED IMMEDIATELY AFTER GRADING.

9.) BEGIN PERMANENT AND TEMPORARY SEEDING AND MULCHING. ALL CUT AND FILL SLOPES AND DISTURBED AREAS SHALL BE SEEDED OR MULCHED AS REQUIRED, OR DIRECTED. NO AREA IS ALLOWED TO BE DISTURBED FOR A LENGTH OF TIME THAT EXCEEDS 45 DAYS BEFORE BEING STABILIZED. DAILY, OR AS REQUIRED. ALL ROADWAYS AND PARKING AREAS SHALL BE STABILIZED WITHIN 72 HOURS OF ACHIEVING FINISHED GRADES. ALL CUT AND FILL SLOPES SHALL BE STABILIZED WITHIN 72 HOURS OF ACHIEVING FINISHED GRADES.

10.) CONSTRUCT TEMPORARY BERMS, DRAINS DITCHES, SILT FENCES, SEDIMENT TRAPS, ETC. MULCH AND SEED AS REQUIRED.

11.) INSPECT AND MAINTAIN ALL EROSION AND SEDIMENT CONTROL MEASURES DURING CONSTRUCTION. ALL SWPPP INSPECTIONS MUST BE CONDUCTED BY A QUALIFIED PROFESSIONAL SUCH AS A PROFESSIONAL ENGINEER (PE), A CERTIFIED PROFESSIONAL IN EROSION AND SEDIMENT CONTROL (CPESC), A CERTIFIED EROSION SEDIMENT AND STORM WATER INSPECTOR (CESSW), OR A CERTIFIED PROFESSIONAL IN STORM WATER QUALITY (CPSWQ). INSPECTION REPORTS SHALL BE SUBMITTED TO THE COMMUNITY SERVICES DEPARTMENT.

12.) COMPLETE PERMANENT SEEDING AND LANDSCAPING.

13.) REMOVE TEMPORARY EROSION CONTROL MEASURES AFTER SEEDING AREAS HAVE ESTABLISHED THEMSELVES AND SITE IMPROVEMENTS ARE COMPLETE.

14.) SMOOTH AND REVEGETATE ALL DISTURBED AREAS.

15.) FINISH PAVING ALL ROADWAYS.

E18 *DEFINITION OF STABLE:*

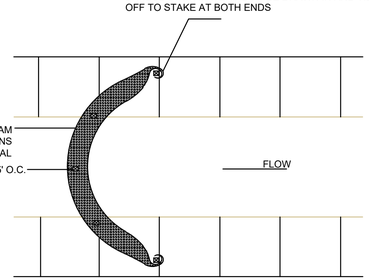
PER ENV–WQ 1500 ALTERATION OF TERRAIN

1. BASE COURSE GRAVELS HAVE BEEN INSTALLED IN AREAS TO BE PAVED.
2. A MINIMUM OF 85 PERCENT VEGETATED GROWTH HAS BEEN ESTABLISHED..
3. A MINIMUM OF 3 INCHES OF NON–EROSIVE MATERIAL SUCH AS STONE OR RIP–RAP HAS BEEN INSTALLED.
4. OR, EROSION CONTROL BLANKETS HAVE BEEN PROPERLY INSTALLED.

ADDITION STABILIZATION NOTES:

5. HAY MULCH OR OTHER APPROVED METHODS SHALL BE USED TO CONTROL EROSION OF NEWLY GRADED AREAS. ALL CUT AND FILL SLOPES SHALL BE SEEDED AND MULCHED WITHIN 72 HOURS AFTER THEIR CONSTRUCTION.
6. DISTURBED SOIL AREAS SHALL BE EITHER TEMPORARILY OR PERMANENTLY STABILIZED. IN AREAS WHERE FINAL GRADING HAS NOT OCCURRED, TEMPORARY STABILIZATION MEASURES SHOULD BE IN PLACE WITHIN SEVEN (7) CALENDAR DAYS FOR EXPOSED SOIL AREAS THAT ARE WITHIN ONE HUNDRED (100) FEET OF A SURFACE WATER BODY OR A WETLAND AND NO MORE THAN 14 CALENDAR DAYS FOR ALL OTHER AREAS. PERMANENT STABILIZATION SHOULD BE IN PLACE WITHIN THREE (3) CALENDAR DAYS FOLLOWING COMPLETION OF FINAL GRADING OF EXPOSED SOIL AREAS.

E19

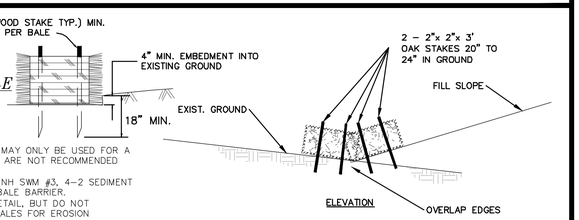


FILTREXX CHECK DAM

NOT TO SCALE

NOTES:
1. ALL MATERIAL TO MEET FILTREXX SPECIFICATIONS.
2. CHECK DAM SHOULD BE USED IN AREAS THAT DRAIN 1 ACRE OR LESS.
3. SEDIMENT SHOULD BE REMOVED FROM BEHIND CHECK DAM ONCE THE ACCUMULATED HEIGHT HAS REACHED ½ THE HEIGHT OF THE CHECK DAM.
4. CHECK DAM CAN BE DIRECT SEEDED AT THE TIME OF INSTALLATION.
5. CONTRACTOR IS REQUIRED TO BE A FILTREXX CERTIFIED INSTALLER.

E20

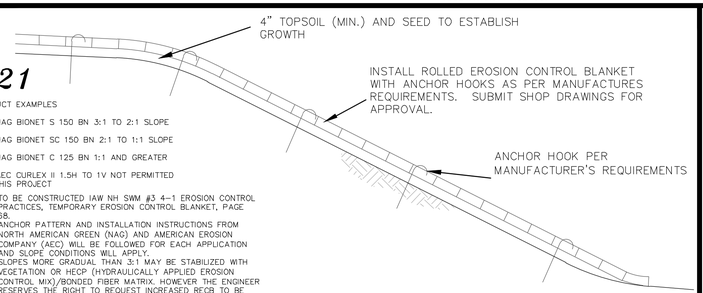


STAKED HAYBALE DETAIL

NOT TO SCALE

1.) HAY BALES BARRIERS MAY ONLY BE USED FOR A MAXIMUM OF 60 DAYS AND ARE NOT RECOMMENDED FOR PERIMETER CONTROL.
2.) TO BE INSTALLED IAW NH SWM #3, 4–2 SEDIMENT CONTROL STRAW OR HAY BALE BARRIER.
3.) REQUIRED TO SHOW DETAIL, BUT DO NOT RECOMMEND USE OF HAY BALES FOR EROSION CONTROL.

E21



PRODUCT EXAMPLES

1.) NAG BIONET S 150 BN 3:1 TO 2:1 SLOPE

2.) NAG BIONET SC 150 BN 2:1 TO 1:1 SLOPE

3.) NAG BIONET C 125 BN 1:1 AND GREATER

4.) AEC CURLEX II 1.5H TO 1V NOT PERMITTED FOR THIS PROJECT

1. TO BE CONSTRUCTED IAW NH SWM #3 4–1 EROSION CONTROL PRACTICES, TEMPORARY EROSION CONTROL BLANKET, PAGE 68.
2. ANCHOR PATTERN AND INSTALLATION INSTRUCTIONS FROM NORTH AMERICAN GREEN (NAG) AND AMERICAN EROSION COMPANY (AEC) WILL BE FOLLOWED FOR EACH APPLICATION AND SLOPE CONDITIONS WILL APPLY.
3. SLOPES MORE GRADUAL THAN 3:1 MAY BE STABILIZED WITH VEGETATION OR HECP (HYDRAULICALLY APPLIED EROSION CONTROL MIX)/BONDED FIBER MATRIX. HOWEVER THE ENGINEER RESERVES THE RIGHT TO REQUEST INCREASED RECB TO BE INSTALLED ON ANY SLOPE.
4. ALL RECB IS TO CONSIST OF ALL NATURAL MATERIAL WITH NO SYNTHETIC COMPONENTS (NO PHOTO BIODEGRADABLE NETTING)

ROLLED EROSION CONTROL BLANKET (RECB) SLOPE STABILIZATION DETAIL

NOT TO SCALE

E22 *WINTER STABILIZATION NOTES*

1. ALL DISTURBED AREAS THAT DO NOT HAVE AT LEAST 85% VEGETATIVE COVERAGE PRIOR TO OCTOBER 15TH SHALL BE STABILIZED BY APPLYING MULCH AT A RATE OF 3–4 TONS PER ACRE. ALL SIDE SLOPES, STEEPER THAN 4:1, THAT ARE NOT DIRECTED TO SWALES OR DETENTION BASINS, SHALL BE LINED WITH BIODEGRADABLE/PHOTODEGRADABLE "JUTE MATTING" (EXCELSIOR'S CURLEX II OR EQUAL). ALL OTHER SLOPES SHALL BE MULCHED AND TACKED AT A RATE OF 3–4 TONS PER ACRE. THE APPLICATION OF MULCH AND/OR JUTE MATTING SHALL NOT OCCUR OVER EXISTING SNOW COVER. IF THE SITE IS ACTIVE AFTER OCTOBER 15TH, ANY SNOW THAT ACCUMULATES ON DISTURBED AREAS SHALL BE REMOVED. PRIOR TO SPRING THAW ALL AREAS WILL BE STABILIZED, AS DIRECTED ABOVE.

2. ALL SWALES THAT DO NOT HAVE FULLY ESTABLISHED VEGETATION SHALL BE EITHER LINED WITH TEMPORARY JUTE MATTING OR TEMPORARY STONE CHECK DAMS (APPROPRIATELY SPACED). STONE CHECK DAMS WILL BE MAINTAINED THROUGHOUT THE WINTER MONTHS. IF THE SWALES ARE TO BE MATTED WITH PERMANENT LINERS OR RIPRAP WITH ENGINEERING FABRIC, THIS SHALL BE COMPLETED PRIOR TO WINTER SHUTDOWN OR AS SOON AS THEY ARE PROPERLY GRADED AND SHAPED.

3. PRIOR TO OCT. 1st ALL ROADWAY AND PARKING AREAS SHALL BE BROUGHT UP TO AND THROUGH THE BANK RUN GRAVEL APPLICATION. IF THESE AREAS' ELEVATIONS ARE PROPOSED TO REMAIN BELOW THE PROPOSED SUBGRADE ELEVATION, THE SUBGRADE MATERIAL SHALL BE ROUGHLY CROWNED AND A 3" LAYER OF CRUSHED GRAVEL SHALL BE PLACED AND COMPACTED. THIS WILL ALLOW THE SUBGRADE TO SHED RUNOFF AND WILL REDUCE ROADWAY EROSION. THIS CRUSHED GRAVEL DOES NOT HAVE TO CONFORM TO NH DOT 304.3, BUT SHALL HAVE BETWEEN 15–25% PASSING THE #200 SIEVE AND THE LARGEST STONE SIZE SHALL BE 2". IF THE SITE IS ACTIVE AFTER OCTOBER 1st, ANY ACCUMULATED SNOW SHALL BE REMOVED FROM ALL ROADWAY AND PARKING AREAS.

4. AFTER OCTOBER 1st, THE END OF NEW HAMPSHIRE'S AVERAGE GROWING SEASON, NO ADDITIONAL LOAM SHALL BE SPREAD ON SIDE SLOPES AND SWALES. THE STOCKPILES THAT WILL BE LEFT UNDISTURBED UNTIL SPRING SHALL BE SEEDED BY THIS DATE. AFTER OCTOBER 15TH, ANY NEW OR DISTURBED PILES SHALL BE MULCHED AT A RATE OF 3–4 TONS PER ACRE. ALL STOCKPILES THAT WILL REMAIN THROUGHOUT THE WINTER SHALL BE SURROUNDED WITH SILT FENCING.

5. NO GREATER THAN 1 ACRE OF UNSTABILIZED LAND IS ALLOWED AFTER OCTOBER 15TH.

CITY OF DOVER PLANNING FILE #

#	REVISION	DATE	DESCRIPTION
#1	REVISED UNIT COUNT AND ASSOCIATED MODIFICATIONS	10–17–24	

EROSION & SEDIMENT CONTROL DETAILS

FOR

KNOX MARSH DEVELOPMENT LLC

LAND OF

5 SHERMAN STREET LLC

1 COLD SPRINGS ROAD

DOVER, N.H.

TAX MAP H, LOT 47–A

LOT 47–A

BERRY SURVEYING & ENGINEERING
335 SECOND CROWN POINT ROAD
BARRINGTON, NH 03825 (603)332–2863

SCALE : AS SHOWN

DATE : SEPTEMBER 1, 2024

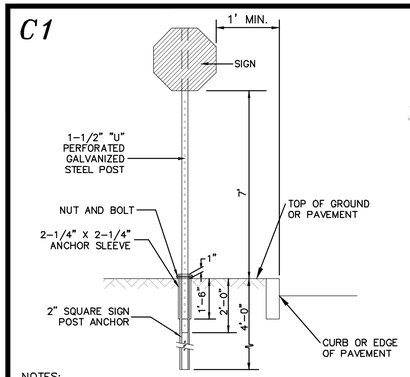
FILE NO. : DB 2023 – 126

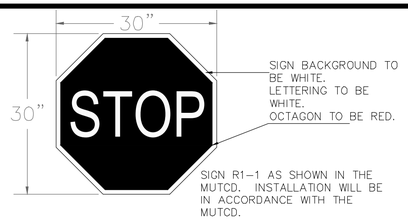
STATE OF NEW HAMPSHIRE — KENNETH A. BERRY No. 14736 — LICENSED PROFESSIONAL ENGINEER

E–102

NOT FOR CONSTRUCTION

C1

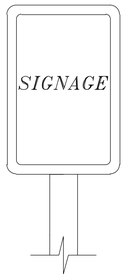




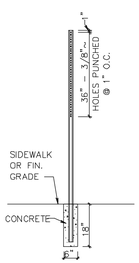
NOTES:

1. ALL SIGNAGE SHALL BE TO THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) STANDARDS AND NHDOT STANDARDS.
2. THE CONTRACTOR SHALL PROVIDE SHOP DRAWINGS/CATALOG CUTS TO THE ENGINEER FOR REVIEW AND APPROVAL PRIOR TO ERECTING SIGNS.
3. THE LOCATION OF THE SIGNS SHALL BE AS INDICATED ON THE DRAWINGS AND/OR AS DIRECTED BY THE CITY OF DOVER COMMUNITY SERVICES.

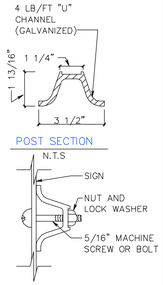
TYPICAL SIGN POST
(NOT TO SCALE)



PARTIAL ELEVATION
N.T.S.



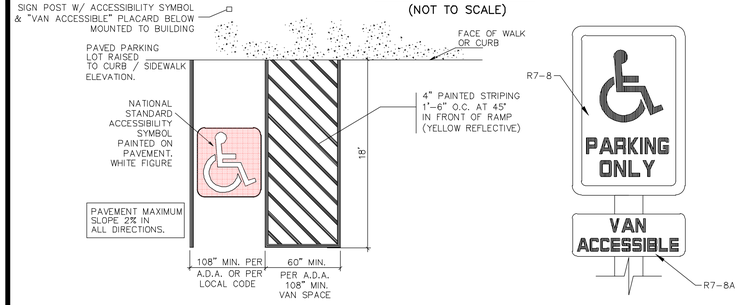
POST
N.T.S.



MOUNTING
N.T.S.

C2

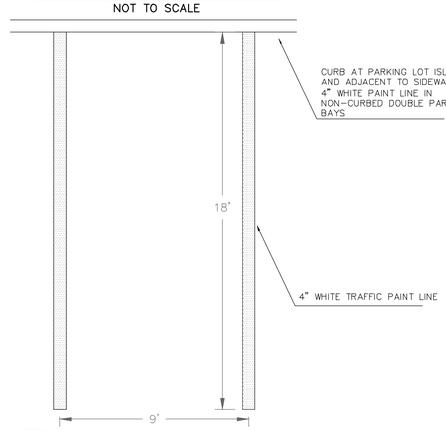
ACCESSIBLE PARKING STALL SIGNAGE
(NOT TO SCALE)



PARTIAL ELEVATION
N.T.S.

C3

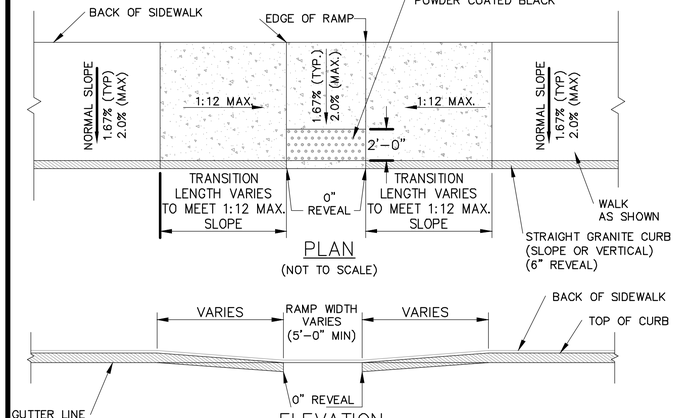
PARKING SPACE DETAIL
NOT TO SCALE



NOTES:

1.) PROVIDE TWO COATS OF PAINT ON ALL PARKING LINES.
2.) SEE PROPOSED SITE PLANS FOR LOCATION OF PARKING SPACES.
3.) PAINTED SPACES ONLY WHERE MARKED ON SITE PLAN

C4

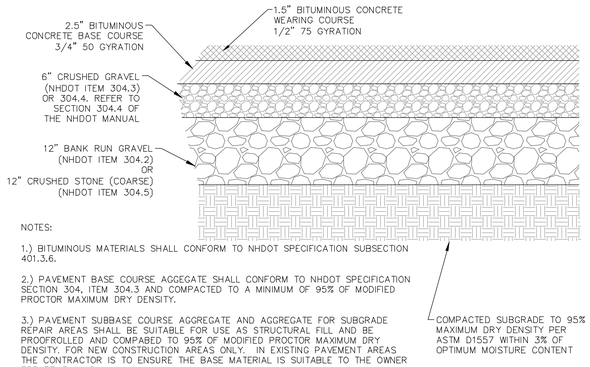


PLAN
(NOT TO SCALE)

ELEVATION

TYPICAL DETAIL FOR WHEELCHAIR RAMP
NOT TO SCALE

C5



NOTES:

1.) BITUMINOUS MATERIALS SHALL CONFORM TO NHDOT SPECIFICATION SUBSECTION 401.3.6.

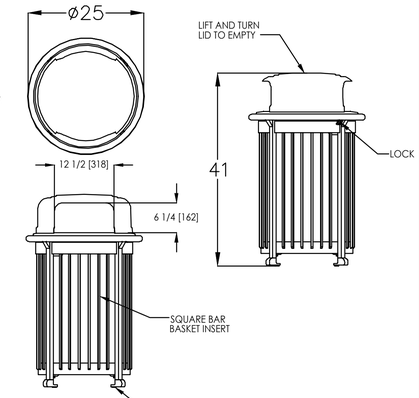
2.) PAVEMENT BASE COURSE AGGEGATE SHALL CONFORM TO NHDOT SPECIFICATION SECTION 304, ITEM 304.3 AND COMPACTED TO A MINIMUM OF 95% OF MODIFIED PROCTOR MAXIMUM DRY DENSITY.

3.) PAVEMENT SUBBASE COURSE AGGREGATE AND AGGREGATE FOR SUBGRADE REPAIR AREAS SHALL BE SUITABLE FOR USE AS STRUCTURAL FILL AND BE PROOFROLLED AND COMPABED TO 95% OF MODIFIED PROCTOR MAXIMUM DRY DENSITY. FOR NEW CONSTRUCTION AREAS ONLY. IN EXISTING PAVEMENT AREAS THE CONTRACTOR IS TO ENSURE THE BASE MATERIAL IS SUITABLE TO THE OWNER FOR RE-PAVING

BITUMINOUS CONCRETE PAVEMENT SECTION
NOT TO SCALE

C6

BIN DETAIL
(NOT TO SCALE)



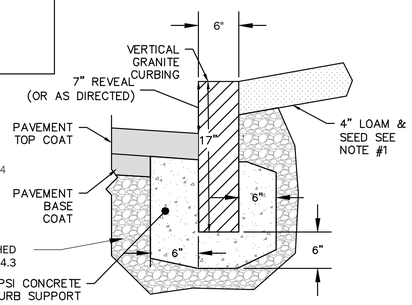
landscapeforms®
Drawing: SC173-02
Dimensions are in inches [mm]

C7

RADIUS	MAX LENGTH
< 21'	USE CURVED CURB
12'	3'
22' – 28'	4'
29' – 35'	5'
36' – 42'	6'
43' – 49'	7'
50' – 56'	8'
57' – 60'	9'
OVER 60'	10'

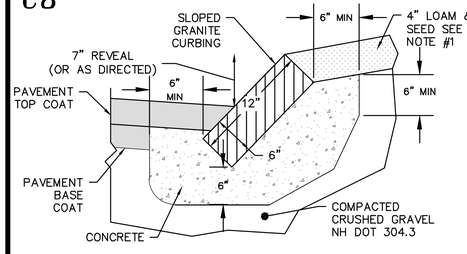
NOTES:

1. LOAM AND SEED SHOULD BE IN COMPLIANCE WITH NH DOT 641, 642, 643, 644 AND 645.



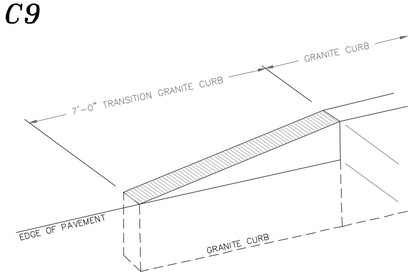
VERTICAL GRANITE CURB DETAIL
NOT TO SCALE

C8



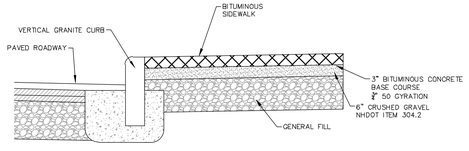
SLOPE GRANITE CURB DETAIL
NOT TO SCALE

C9



CURB TRANSITION DETAIL
NOT TO SCALE
TO BE USED FOR TRANSITION FROM GRANITE CURB TO EDGE OF PAVEMENT

C10



BITUMINOUS SIDEWALK RAISED
NOT TO SCALE

C-101

CITY OF DOVER PLANNING FILE #

REVISION	DATE	DESCRIPTION
#1	10-17-24	REVISED UNIT COUNT AND ASSOCIATED MODIFICATIONS

CONSTRUCTION DETAILS
FOR
KNOX MARSH DEVELOPMENT LLC
LAND OF
5 SHERMAN STREET LLC
1 COLD SPRINGS ROAD
DOVER, N.H.
TAX MAP H, LOT 47-A

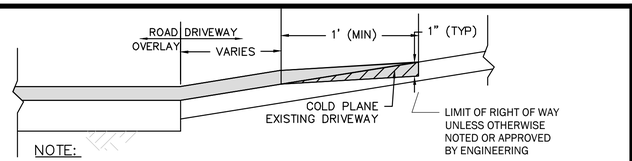
BERRY SURVEYING & ENGINEERING
335 SECOND CROWN POINT ROAD
BARRINGTON, NH 03825 (603)332-2863

SCALE : AS SHOWN
DATE : SEPTEMBER 1, 2024
FILE NO. : DB 2023 - 126

STATE OF NEW HAMPSHIRE
KENNETH A. BERRY
No. 14243
LICENSED PROFESSIONAL ENGINEER

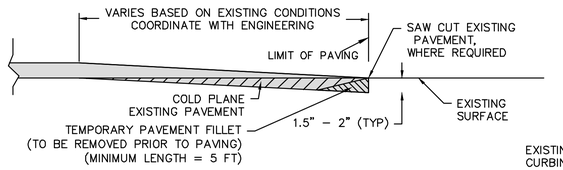
NOT FOR CONSTRUCTION

C11



NOTE:
CONTRACTOR MAY SAWCUT DRIVEWAY TRANSITION AT HIS OPTION. PAVEMENT SHALL BE REMOVED AND REPLACED TO MATCH EXISTING.

ADJACENT TO EXISTING DRIVEWAY

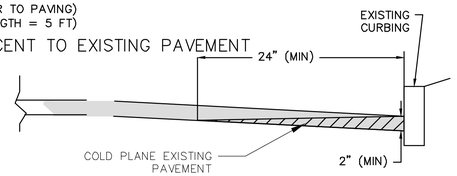


ADJACENT TO EXISTING PAVEMENT

NOTES:

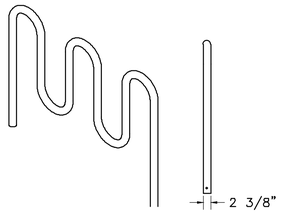
1. THE LENGTH OF THE TAPER MAY BE ADJUSTED AS ORDERED TO PROVIDE FOR VARYING FIELD CONDITIONS OR CHANGES IN SINGLE COURSE DEPTH.

PAVEMENT OVERLAY
NOT TO SCALE



ADJACENT TO EXISTING CURB

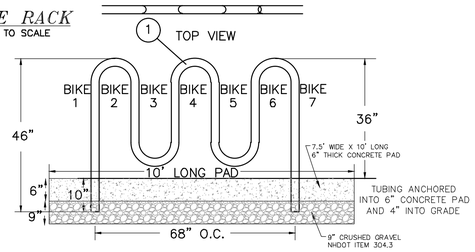
C12



RIGHT SIDE VIEW

MATERIALS LIST
(1) TUBING:– ø 2 3/8" x .154" Wall Steel Tubing

BIKE RACK
NOT TO SCALE

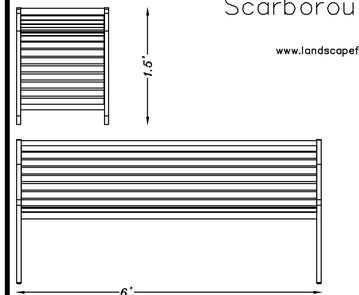


C13

Scarborough Bench, 24" Backed, with Horizontal Strap Seat

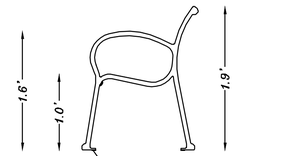
BENCH DETAIL
(NOT TO SCALE)

Scarborough Bench, 24" Backed, with Horizontal Strap Seat
Product Drawing



Scarborough Bench, 24" Backed, with Horizontal Strap Seat

www.landscapeforms.com Date: 5/19/2010 Ph: 800.521.2546



C14

See Redi-Rock.com for Detailed Section Drawings of Each Condition Shown in the Design Charts

NOTE: RETAINING WALL TO BE DESIGNED BY A LICENSED PROFESSIONAL GEOTECHNICAL/STRUCTURAL ENGINEER.

NOTES:

1.) USE THE 41" BOTTOM BLOCK TO INSTALL THE FIRST COURSE. NOTE EMBEDMENT REQUIREMENT. COURSE DEPTH IS 1.5'

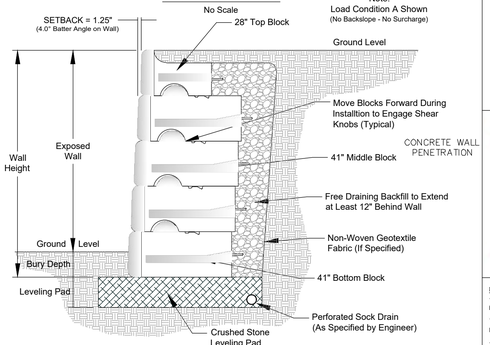
3.) USE 41" MIDDLE BLOCK FOR MIDDLE ROWS, APPROXIMATELY 7 COURSES DEPENDING ON WALL HEIGHT.

4.) USE 41" TOP BLOCK ALONG TOP OF WALL. NOTE WALL DROPS ARE TO BE FULL BLOCK DEPTHS.

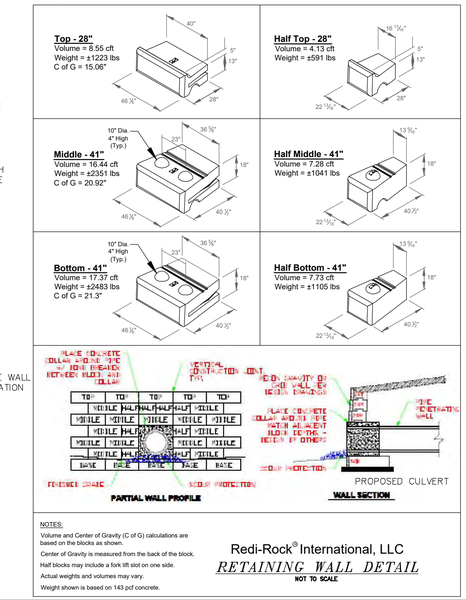
5.) USE 41" HALF BLOCKS FOR RADIAL TURNS AND END SECTIONS.

6.) THE WALL MANUFACTURER TYPICALLY PROVIDES WALL PROFILE AND BLOCK COUNT TO THE CONTRACTOR AS REQUIRED FOR CONSTRUCTION. THIS IS TO BE REVIEWED BY BOTH DPW AND DESIGN ENGINEER FOR CORRELATION WITH PROJECT SITE PLANS AND IS TO BE DESIGNED AND STAMPED BY A STRUCTURAL ENGINEER (OTHERS).

Typical Gravity Wall with 41" Blocks



41" SERIES BLOCKS

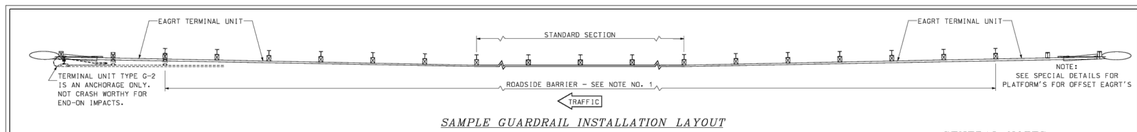


NOTES:
Volume and Center of Gravity (C of G) calculations are based on the blocks as shown.
Center of Gravity is measured from the back of the block.
Half blocks may include a fork lift slot on one side.
Actual weights and volumes may vary.
Weight shown is based on 143 pcf concrete.

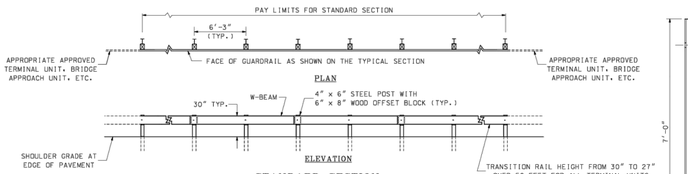
Redi-Rock® International, LLC
RETAINING WALL DETAIL
NOT TO SCALE

C15

GUARD RAIL
(NOT TO SCALE)

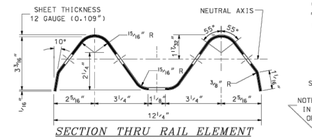


SAMPLE GUARDRAIL INSTALLATION LAYOUT



STANDARD SECTION

ITEM 606.120 – BEAM GUARDRAIL (STANDARD SECTION-STEEL POSTS)
PAID: LINEAR FOOT
USE: STRONG STEEL POST W-BEAM WITH SPLICE ON POST IS APPROPRIATE FOR REPAIRS OF EXISTING STRONG POST W-BEAM SPLICE ON POST GUARDRAIL RUNS OF LIMITED LENGTH OR SPECIFIC LOCATIONS WHERE USE OF 31" MID-SPLICE STEEL POST W-BEAM GUARDRAIL WOULD NOT BE PRACTICAL. OTHERWISE, 31" MID-SPLICE STEEL POST W-BEAM GUARDRAIL IS TO BE USED

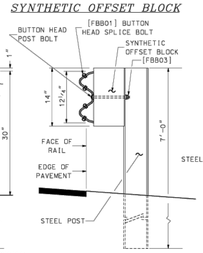


SECTION THRU RAIL ELEMENT
14 SPACE W-BEAM GUARDRAIL DESIGNATED RW004a (NOMINALLY 12'-6")
[8 SPACE W-BEAM GUARDRAIL UNDESIGNATED AT THIS TIME (NOMINALLY 25'-0")]

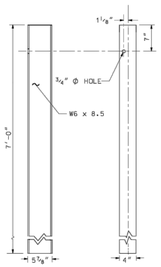


LINE POST ELEVATION VIEW AT BEAM SPLICE

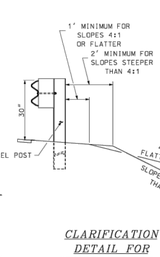
SYNTHETIC OFFSET BLOCK



TYPICAL SIDE VIEW
(SHOWN WITH FASTENERS)



STRUCTURAL SHAPE STEEL POST



CLARIFICATION DETAIL FOR GENERAL NOTE 6

GENERAL NOTES

1. THE DEFINITION OF ROADSIDE BARRIER IS PER THE LATEST ADOPTED EDITION OF THE AASHTO ROADSIDE DESIGN GUIDE. EXCLUDED FROM THIS IS THE GATING PORTION OF A GUARDRAIL TERMINAL UNIT OR CRASH CUSHION AS WELL AS THE ENTIRE G-2 TERMINAL UNIT.
2. ITEMS IN BRACKETS [ ] ARE *STANDARD ELEMENTS* DESCRIBED IN AASHTO'S "A GUIDE TO STANDARDIZED HIGHWAY BARRIER HARDWARE".
3. ONLY USE RECTANGULAR PLATE WASHERS [FWR03] WHERE SHOWN ON THE OTHER STANDARD SHEETS OR AS REQUIRED BY THE MANUFACTURERS FOR THEIR PROPRIETARY PRODUCTS.
4. USE 12'-6" LENGTH RAIL ELEMENTS IN RAIL CURVES OF LESS THAN 100' RADIUS.
5. ESTABLISH RAIL HEIGHT AS FOLLOWS:
   A) SET THE HEIGHT OF RAIL FROM THE EDGE OF THE PAVEMENT (EP) WHEN THE FACE OF RAIL IS AT THE EDGE OF PAVEMENT.
   B) SET THE HEIGHT OF RAIL FROM THE GROUND AT THE FACE OF RAIL WHEN:
      I) THE FACE OF RAIL IS OFFSET FROM THE EP AND THE CROSS SLOPE FROM THE EP TO THE FACE OF RAIL IS 10:1 OR FLATTER OR
      II) THE FACE OF RAIL IS AT THE BACK OF A CURBED SIDEWALK AND THE CURB IS AT THE EDGE OF PAVEMENT.
   C) WHEN SITUATIONS OTHER THAN THOSE DESCRIBED IN A OR B ABOVE ARE ENCOUNTERED, ESTABLISH RAIL HEIGHT THROUGH AN ENGINEERING REVIEW TO ENSURE APPROPRIATE SYSTEM PERFORMANCE.
6. USE OF POSTS SHORTER THAN 3', BUT NOT LESS THAN 6'-0" LONG, IS ONLY ALLOWED UNDER THE FOLLOWING CONDITIONS:
   A) WHERE THERE IS A MINIMUM DISTANCE OF 1' FROM THE BACK OF THE GUARDRAIL POST ALONG A 10:1 OR FLATTER SLOPE TO THE SLOPE BREAK OF A 4:1 OR FLATTER SLOPE OR
   B) WHERE THERE IS A MINIMUM DISTANCE OF 2' FROM THE BACK OF THE GUARDRAIL POST ALONG A 10:1 OR FLATTER SLOPE TO THE SLOPE BREAK OF A STEEPER THAN 4:1 STABLE SOIL OR STONE LINED SLOPE. THE TERM STABLE INCLUDES NOT SHOWING SIGNS OF SLOPE MOVEMENT (SUCH AS DEPRESSIONS, CRACKS PARALLEL TO THE ROADWAY, ETC.) OR ACTIVE EROSION.
7. THE FHWA HAS LISTED OFFSET BLOCKS ON THEIR WEBSITE THAT ARE ELIGIBLE FOR FEDERAL PARTICIPATION PER NCHRP 350 TEST LEVEL 3 CRITERIA. OTHERS MAY BE ADDED UNDER MASH AT TEST LEVEL 3 OR HIGHER IN THE FUTURE. SOME OF THESE OFFSET BLOCKS HAVE OR MAY HAVE DIMENSIONS THAT VARY MORE THAN WOULD BE CONSIDERED WITHIN THE NORMAL CONTEXT OF NOMINAL DIMENSIONS. IN ORDER TO USE ANY OFFSET BLOCKS THAT HAVE OTHER THAN THE NOMINAL DIMENSIONS AS SHOWN ON THE PLANS, THE FOLLOWING APPLIES:
   A) THE FACE OF RAIL SHALL REMAIN AT THE EDGE OF PAVEMENT OR AT THE INDICATED LOCATION AS SHOWN ON THE PLANS, AND
   B) THE DISTANCE FROM THE BACK OF THE POST TO THE BREAK IN THE SLOPE SHALL NOT BE LESS THAN WHAT IS SHOWN ON THE PLANS BUT IT MAY BE MORE.
   C) ALL OTHER REQUIREMENTS OF THE PERTINENT SPECIFICATIONS AND DETAILS REMAIN IN FORCE.

DESIGNATOR	L	T	INTENDED USE
FBB01	1 1/4"	FULL LENGTH THREAD	RAIL SPLICE BOLTS
FBB02	2"	1 5/8" MIN. THREAD LENGTH	POST BOLT (STEEL POSTS)
FBB03	9 1/2"	4" MIN. THREAD LENGTH	POST BOLT

5/8" BUTTON HEAD BOLT AND RECESSED NUT
[FBB01-03]

GUARDRAIL STANDARD
BEAM GUARDRAIL STANDARD SECTION-STEEL POSTS & HARDWARE DETAILS

STANDARD NO. GR-2	
REVISION	DATE
	07-13-2001
	06-16-2010
	05-03-2011
	08-19-2015
* DGN FILE NAME	
GR-2	

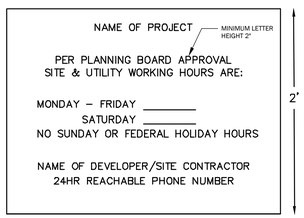
STANDARD PLANS

New Hampshire DOT Department of Transportation

STANDARD NO. GR-2

C16

REQUIRED PROJECT INFORMATION SIGN
NOT TO SCALE



NOTES:
1. SIGN SHALL HAVE BLACK LETTERS ON A WHITE BACKGROUND
2. SIGN SHALL BE WEATHER RESISTANT AND SECURED TO THE GROUND
3. TO BE PLACED AT THE INTERSECTION OF OLD ROCHESTER ROAD/BLAZER DRIVE.

CITY OF DOVER PLANNING FILE #

REVISION	DATE	DESCRIPTION
#1	10-17-24	REVISED UNIT COUNT AND ASSOCIATED MODIFICATIONS

CONSTRUCTION DETAILS
FOR
KNOX MARSH DEVELOPMENT LLC
LAND OF
5 SHERMAN STREET LLC
1 COLD SPRINGS ROAD
DOVER, N.H.
TAX MAP H, LOT 47–A

BERRY & SURVEYING ENGINEERING
335 SECOND CROWN POINT ROAD
BARRINGTON, NH 03825 (603)332–2863

SCALE : AS SHOWN
DATE : SEPTEMBER 1, 2024
FILE NO. : DB 2023 – 126

STATE OF NEW HAMPSHIRE
KENNETH A. BERRY
No. 12077
LICENSED PROFESSIONAL ENGINEER

C–102

NOT FOR CONSTRUCTION



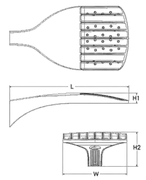
D-Series Size 0
LED Area Luminaire

Catalog Number
Notes
Type

Hit the Tab key or mouse over the page to see all interactive elements.

Specifications

EPA:	0.44 ft² (0.04 m²)
Length:	26.18" (66.5 cm)
Width:	14.06" (35.7 cm)
Height H1:	2.26" (5.7 cm)
Height H2:	7.46" (18.9 cm)
Weight:	23 lbs (10.4 kg)



Introduction

The modern styling of the D-Series features a highly refined aesthetic that blends seamlessly with its environment. The D-Series offers the benefits of the latest in LED technology into a high performance, high efficacy, long-life luminaire.

The solar version is compatible with Sol By Sunna Design's Solar Lighting Engine. The performance will be based on the project location and the available solar energy output. Contact Sol by Sunna Design Sales Team for a quote for your Lithonia Solar Lighting Solutions. email: sales@solarlighting.com or call: 1-800-959-1329

Ordering Information

EXAMPLE: DSX0 LED P4 40K 70CRI T3M SOLAR RPA DDBXD

DSX0 LED

Series	LEDs	Color temperature [1]	Color Rendering Index [2]	Distribution	Voltage
DSX0 LED	**Forward optics** (this section 70CRI only): P1 P3 P2 P4	(this section 70CRI only): 30K 3000K, 40K 4000K, 50K 5000K	70CRI 70CRI 70CRI	AFR Automotive front row; T1S Type I short; T2M Type II medium; T3M Type III medium; T1LG Type III low glare[3]; T4M Type IV medium; T4LG Type IV low glare[3]; TFTM Forward throw medium; T5M Type V medium; T5LG Type V low glare; T5W Type V wide; BLC3 Type III backlight control[3]; BLC4 Type IV backlight control[3]; LCCO Left corner cutoff[3]; RCCO Right corner cutoff[3]	SOLAR Only compatible with Sol By Sunna Design's Solar Lighting Solutions[3]

Mounting	Other options	Finish (required)
Shipped included: SPA Square pole mounting (Ø8 drilling, 3.5" min. SQ pole); RPA Round pole mounting (Ø6 drilling, 3" min. RND pole); MA Mast arm adapter (mounts on 2 3/8" OD horizontal tenon)	**Shipped installed**: HS Houseside shield (black finish standard)[4]; BAA Buy America(n) Act Compliant. **Shipped separately**: EGSR External Glare Shield (reversible, field install required, matches housing finish); BSSB Bird Spikes (field install required)	DDBXD Dark Bronze; DBLXD Black; DNAXD Natural Aluminum; DWHXD White

Accessories

Ordered and shipped separately.

DSX0HS P4	House-side shield (meter package number P1-4 in place of 0)[4]
DSX0FA (FINISH)	Round pole adapter (Ø8 drilling, specify finish)
DSX0EGSR (FINISH)	External glare shield (specify finish)
DSX0BSSB (FINISH)	Bird spike deterrent bracket (specify finish)

NOTES
1. 30K, 40K, and 50K available in 70CRI and 80CRI. 27K and 35K only available with 80CRI. Contact Technical Support for other possible combinations.
2. T1LG, T4LG, BLC3, BLC4, LCCO, RCCO not available with option HS.
3. No Driver included, input power managed via Sol By Sunna's EverGen Solar Lighting Engine. Wattage depends on project location and Solar Engine size. For technical support, contact Sol by Sunna Design sales team at 1-800-959-1329.
4. Accessory DSX0HS not available with T1LG, T4LG, BLC3, BLC4, LCCO and RCCO distribution. Also available as a separate accessory; see Accessories information.

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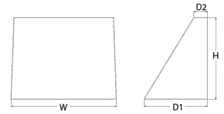
WDGE2 LED
Architectural Wall Sconce Precision Refractive Optic

Catalog Number
Notes
Type

Hit the Tab key or mouse over the page to see all interactive elements.

Specifications

Depth (D1):	7"
Depth (D2):	1.5"
Height:	9"
Width:	11.5"
Weight: (without options)	13.5 lbs



Introduction

The WDGE LED family is designed to meet specifier's every wall-mounted lighting need in a widely accepted shape that blends with any architecture. The clean rectilinear design comes in four sizes with lumen packages ranging from 1,200 to 25,000 lumens, providing a true site-wide solution. Embedded with nLight® AIR wireless controls, the WDGE family provides additional energy savings and code compliance.

WDGE2 with industry leading precision refractive optics provides great uniform distribution and optical control. When combined with multiple integrated emergency battery backup options, including an 18W cold temperature option, the WDGE2 becomes the ideal wall-mounted lighting solution for pedestrian scale applications in any environment.

design select Items marked by a shaded background qualify for the Design Select program and ship in 15 days or less. To learn more about Design Select, visit www.acuitybrands.com/designselect. *See ordering tree for details

WDGE LED Family Overview

Luminaire	Optics	Standard EM, 10°C	Cold EM, -20°C	Sensor	Approximate Lumens (4000K, 80CRI) P0	P1	P2	P3	P4	P5	P6
WDGE1 LED	Visual Comfort	4W		--	750	1,200	2,000	--	--	--	--
WDGE2 LED	Visual Comfort	10W	18W	Standalone / nLight	--	1,200	2,000	3,000	4,500	6,000	--
WDGE2 LED	Precision Refractive	10W	18W	Standalone / nLight	700	1,200	2,000	3,200	4,200	--	--
WDGE3 LED	Precision Refractive	15W	18W	Standalone / nLight	--	7,500	8,500	10,000	12,000	--	--
WDGE4 LED	Precision Refractive			Standalone / nLight	--	12,000	16,000	18,000	20,000	22,000	25,000

Ordering Information

EXAMPLE: WDGE2 LED P3 40K 80CRI T3M MVOLT SRM DDBXD

Series	Package	Color Temperature	CRI	Distribution	Voltage	Mounting
WDGE2 LED	P0[1] P1[2] P2[2] P3[2] P4[2]	27K 2700K; 30K 3000K; 40K 4000K; 50K 5000K; AMBP Amber	70CRI 80CRI; LWR Limited Wavelength	T1S Type I Short; T2M Type II Medium; T3M Type III Medium; T4M Type IV Medium; TFTM Forward Throw Medium	MVOLT 347[3] 480[3]	**Shipped included**: SRM Surface mounting bracket; ICW Indirect Canopy/Ceiling Washer bracket (dry/damp locations only)[4]. **Shipped separately**: AWS 3/8inch Architectural wall spacer[2]; PBBW Surface-mounted back box (top, left, right conduit entry). Use when there is no junction box available[2]

Options		Finish
E10WH	Emergency battery backup, Certified in CA Title 20 MAEDBS (10W, 0°C min)	DBXD Dark Bronze; DBLXD Black; DNAXD Natural aluminum; DWHXD White; DSSND Sandstone; DDBTXD Textured dark bronze; DBLBXD Textured black; DNATXD Textured natural aluminum; DWHGXD Textured white; DSSTXD Textured sandstone
E20WC	Emergency battery backup, Certified in CA Title 20 MAEDBS (10W, -20°C min)	
PE	Photocell, Button Type	
DMG	0-10V dimming wires pulled outside fixture (for use with an external control, ordered separately)[2]	
BCE	Bottom conduit entry for back box (PBBW). Total of 4 entry points.	
CCE	Coastal Construction[3]	

Standalone Sensors/Controls

PIR	Bi-level (100/35%) motion sensor for 8-15' mounting heights. Intended for use on switched circuits with external dusk to dawn switching.
PIRH	Bi-level (100/35%) motion sensor for 15-30' mounting heights. Intended for use on switched circuits with external dusk to dawn switching.
PIR1FC3V	Bi-level (100/35%) motion sensor for 8-15' mounting heights with photocell pre-programmed for dusk to dawn operation.
PIRH1FC3V	Bi-level (100/35%) motion sensor for 15-30' mounting heights with photocell pre-programmed for dusk to dawn operation.

Networked Sensors/Controls

NLTAIR2 PIR	Embedded wireless controls by nLight with Passive Infrared Occ sensor and on/off photocell for 8-15' mounting heights.
NLTAIR2 PIRH	Embedded wireless controls by nLight with Passive Infrared Occ sensor and on/off photocell for 15-30' mounting heights.
NLTAIREM2 PIR	Embedded wireless controls by nLight with UL924 listed emergency operation, Passive Infrared Occ sensor and on/off photocell for 8-15' mounting heights
NLTAIREM2 PIRH	Embedded wireless controls by nLight with UL924 listed emergency operation, Passive Infrared Occ sensor and on/off photocell for 15-30' mounting heights.

See page 4 for cut of bar functionality

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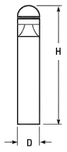
KBA8 LED
LED Specification Bollard

Catalog Number
Notes
Type

Hit the Tab key or mouse over the page to see all interactive elements.

Specifications

	8" Round (20.3 cm)
Height:	42" (106.7 cm)
Weight (max):	27 lbs (12.25 kg)



Introduction

The KBA8 Bollard is a stylish, fully integrated LED solution for walkways. It features a sleek, modern design and is carefully engineered to provide long-lasting, energy-efficient lighting with a variety of optical and control options for customized performance.

With an expected service life of over 20 years of nighttime use and up to 70% in energy savings over comparable 100W metal halide luminaires, the KBA8 Bollard is a reliable, low-maintenance lighting solution that produces sites that are exceptionally illuminated.

Ordering Information

EXAMPLE: KBA8 LED 16C 700 40K SYM MVOLT DDBXD

KBA8 LED

Series	LEDs	Drive current	Color temperature	Distribution	Voltage	Control options
KBA8 LED	**Asymmetric**: 12C 12 LEDs[1]; **Symmetric**: 16C 16 LEDs[2]	350 350 mA; 450 450 mA[3,4]; 530 530 mA; 700 700 mA	30K 3000 K; 40K 4000 K; 50K 5000 K; AMBPC Amber phosphor converted; AMBLW Amber limited wavelength[3,4]	ASY Asymmetric[1]; SYM Symmetric[2]	MVOLT[5] 120[5] 208[5] 240[5] 277[5] 347[6]	**Shipped installed**: PE Photoelectric cell, button type; DMG 0-10v dimming wires pulled outside fixture (for use with an external control, ordered separately); ELCW Emergency battery backup, CA Title 20 Noncompliant[4]

Other options	Finish (required)
Shipped installed: SF Single fuse (120, 277, 347V)[4,7]; DF Double fuse (208, 240V)[4]; H24 24" overall height; H30 30" overall height; H36 36" overall height; FG Ground-fault festoon outlet; L/AB Without anchor bolts (3 bolt base); L/AB4 4 bolt retrofit base without anchor bolts[8]	DWHXD White; DNAXD Natural aluminum; DBXD Dark bronze; DBLXD Black; DDBTXD Textured dark bronze; DBLBXD Textured black; DNATXD Textured natural aluminum; DWHGXD Textured white

Accessories

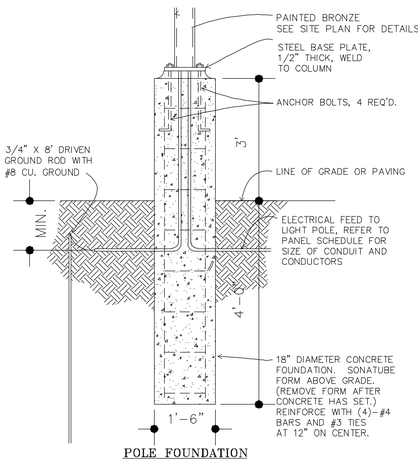
Ordered and shipped separately.

KBA8 U	Anchor bolts for KBA8 LED[9]

NOTES
1. Only available in the 12C, ASY version.
2. Only available in the 16C, SYM version.
3. Only available with 450 AMBLW version.
4. Not available with ELCW.
5. MVOLT driver operates on any line voltage from 120-277V (50/60 Hz). Specify 120, 208, 240 or 277 options only when ordering with fusing (SF, DF options), or photocontrol (PE option).
6. Not available with 347V. Not available with fusing. Not available with 450 AMBLW.
7. Single fuse (SF) requires 120, 277, or 347 voltage option. Double fuse (DF) requires 208 or 240 voltage option.
8. MRAB U not available with L/AB4 option.
9. Striping is available only in the colors listed.

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LAMP "A" POLE MOUNTED AT 16.5' & "B" AT 20'



POLE FOUNDATION

LIGHT BASE DETAIL
NOT TO SCALE

LAMP "D" BUILDING MOUNTED AT 7'

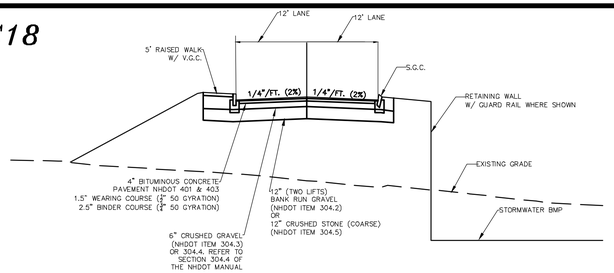


NOT TO SCALE

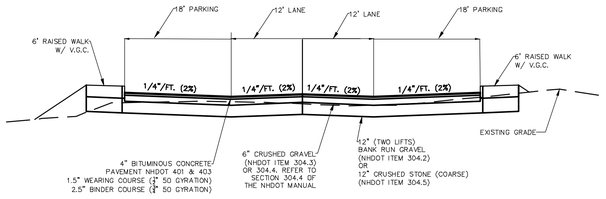
PROJECT LIGHTING DETAILS
NOT TO SCALE

LAMP "C" BUILDING MOUNTED AT 12'

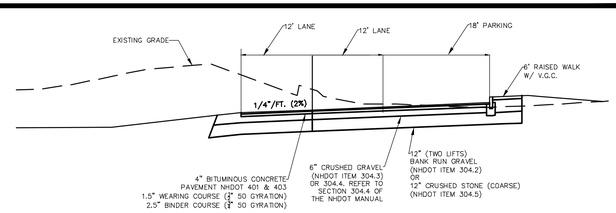
LAMP "D" BOLLARD MOUNTED AT 3.5'



TYPICAL SOPHIE DRIVE 2+50-5+43
NOT TO SCALE



TYPICAL SOPHIE DRIVE CUL-DE-SAC 0+00-0+95
NOT TO SCALE



TYPICAL SOPHIE DRIVE CUL-DE-SAC 0+95-END
NOT TO SCALE

CROSS SECTION NOTES

1. ALL ROADWAY FILL TO BRING ROAD TO SUBGRADE SHALL BE INSTALLED IN LIFTS NO GREATER THAN 12".
2. ALL FILL SHALL BE COMPACTED TO 95% MINIMUM. COMPACTION TESTS TO BE CONDUCTED AT THE START OF THE PROJECT AND NO FURTHER THAN 100 FEET APART.
3. GUARD RAIL REQUIRED AS NOTED ON PLAN & PROFILE SHEETS.
4. TEST PITTING WAS DONE WITHIN THE ROADWAY ALIGNMENT BY JOHN P. HAYES III.

COMPACTED SUBGRADE – CONTRACTOR SHALL SCARIFY SUBGRADE TO A DEPTH OF 30 INCHES BELOW F-GRADE. ALL STONES GREATER THAN 6" IN DIAMETER SHALL BE REMOVED FROM THE SCARIFIED LAYER. ANY IMPORTED FILL SHALL BE FREE OF ORGANICS AND FROST AND SHALL HAVE NO ROCKS LARGER THAN 6" IN DIAMETER. FILL MATERIAL SHALL BE APPROVED BY THE TOWNS AGENT AND/OR THE TOWNS ENGINEER.

CITY OF DOVER PLANNING FILE #

#	DATE	REVISION
#1	10-17-24	REVISED UNIT COUNT AND ASSOCIATED MODIFICATIONS

CONSTRUCTION DETAILS
KNOX MARSH DEVELOPMENT LLC
LAND OF
5 SHERMAN STREET LLC
1 COLD SPRINGS ROAD
DOVER, N.H.
TAX MAP H, LOT 47-A

BERRY & SURVEYING ENGINEERING
335 SECOND CROWN POINT ROAD
BARRINGTON, NH 03825 (603)332-2863

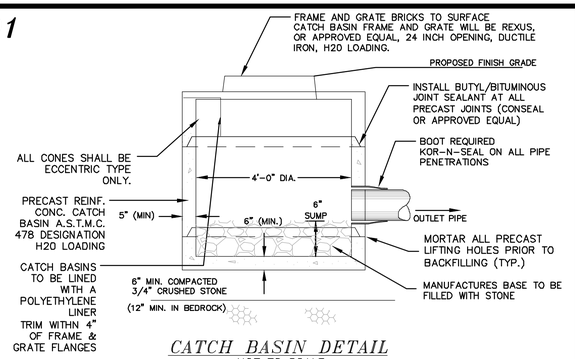
SCALE : AS SHOWN
DATE : SEPTEMBER 1, 2024
FILE NO. : DB 2023 - 126

STATE OF NEW HAMPSHIRE
KENNETH A. BERRY No. 12047
LICENSED PROFESSIONAL ENGINEER

C-102

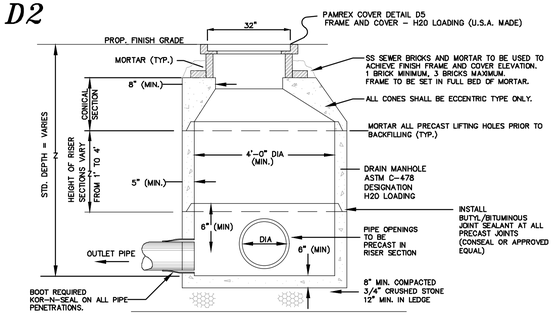
NOT FOR CONSTRUCTION

D1



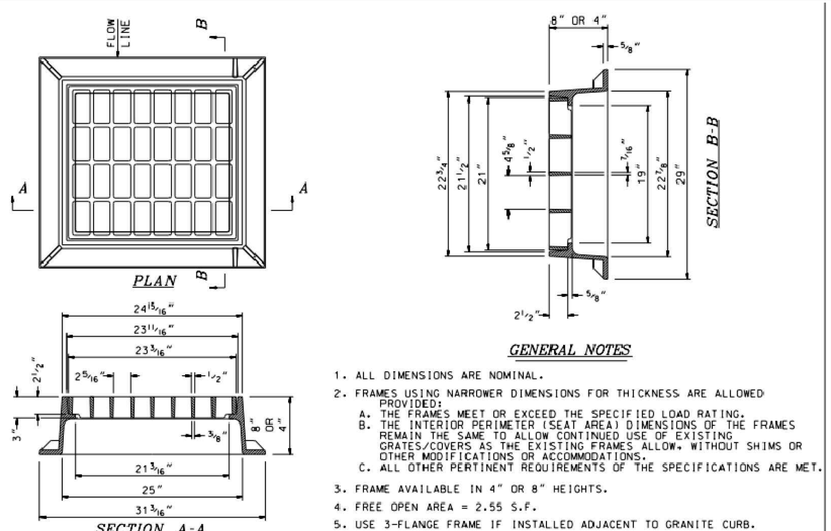
CATCH BASIN DETAIL
NOT TO SCALE

D2



PRECAST DRAIN MANHOLE DETAIL
NOT TO SCALE

D3



GENERAL NOTES

1. ALL DIMENSIONS ARE NOMINAL.
2. FRAMES USING NARROWER DIMENSIONS FOR THICKNESS ARE ALLOWED PROVIDED:
   A. THE FRAMES MEET OR EXCEED THE SPECIFIED LOAD RATING.
   B. THE INTERIOR PERIMETER (SEAT AREA) DIMENSIONS OF THE FRAMES REMAIN THE SAME TO ALLOW CONTINUED USE OF EXISTING GRATES/COVERS AS THE EXISTING FRAMES ALLOW. WITHOUT SHIMS OR OTHER MODIFICATIONS OR ACCOMMODATIONS.
   C. ALL OTHER PERTINENT REQUIREMENTS OF THE SPECIFICATIONS ARE MET.
3. FRAME AVAILABLE IN 4" OR 8" HEIGHTS.
4. FREE OPEN AREA = 2.55 S.F.
5. USE 3-FLANGE FRAME IF INSTALLED ADJACENT TO GRANITE CURB.

NHDOT STANDARD PLANS	REV. DATE	PLATE
TYPE "B" GRATE & FRAME	06-16-2010	2
	08-14-2015	STANDARD
		DR-1

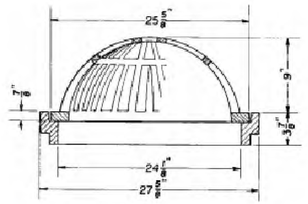
CATCH BASIN GRATE (TYPE "B")
NOT TO SCALE

D4

R-4353
Beehive Grate, Frame

Light Duty

CATALOG NUMBER	GRATE TYPE	SQ. FT. OPEN	WEIR PERIMETER LINEAL FEET
R-4353	Beehive	3.8	6.7



Also available with 2 - 7/8" tall frame, if requested.



CATCH BASIN IN GRASSED AREA
FRAME & GRATE DETAIL
NOT TO SCALE

D5

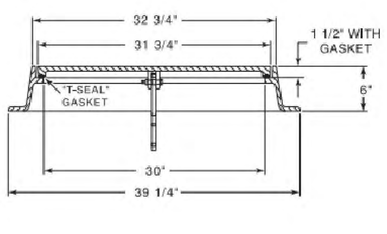
R-1743-LM
LiftMate Frame,
Solid Gasketed Lid

Heavy Duty

Furnished with four 1" anchor holes on 36-7/8" diameter bolt circle.

Hinge plug available for self-seal application.

See p. 13 for LiftMate information.

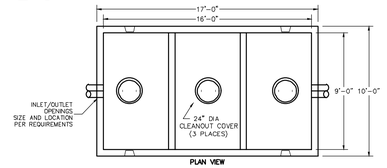


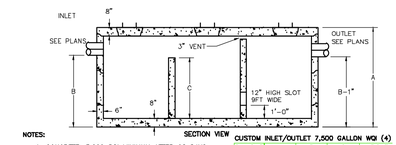


DRAIN MANHOLE FRAME AND GRATE WILL BE LIFTMATE R-1743-LM, OR APPROVED EQUAL, 32 INCH OPENING, CAST IRON, H20 LOADING.

DRAIN MANHOLE COVER DETAIL
NOT TO SCALE

D6





NOTES:
1. CONCRETE: 5,000 PSI MINIMUM AFTER 28 DAYS.
2. DESIGNED FOR AASHTO HS-20 LOADING, COVER 1 TO 5 FEET.
3. TONGUE AND GROOVE JOINT SEALED WITH BUTYL RESIN. INLET HEIGHT MAY INCREASE SLIGHTLY DUE TO THE BUTYL RESIN USED.

CUSTOM INLET/OUTLET 7,500 GALLON WGI (4)

GALLONS	A (HEIGHT)	B (INLET)	C (BAFFLE)	WEIGHT (LBS)
5,000	92"	66"	56"	58,180
7,500	116"	92"	80"	68,510
10,000	146"	120"	110"	75,500

*OTHER SIZES AVAILABLE

WATER QUALITY INLET
NOT TO SCALE

D7

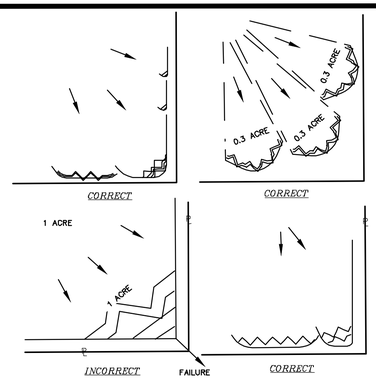
PERIMETER CONTROL
NOT TO SCALE

DESIGN CONSITERATIONS:

1. THE MAXIMUM LENGTH OF SLOPE ABOVE PERIMETER CONTROL IS 100 FEET.
2. SILT FENCE OR SILT SOXX REQUIRED WHEN UPGRADIENT DISTURBED SOIL IS GREATER THAN 5% (50% SLOPE MAX). MULCH BERM CAN BE USED WHEN THE UPGRADIENT DISTURBED SOIL IS 5% OR LESS.
3. THE MAXIMUM CONTRIBUTING DRAINAGE AREA OF ONE-QUARTER ACRE PER 100-FEET OF PRACTICE LENGTH.
4. PERIMETER CONTROL IS TO BE INSTALLED PRIOR TO EARTH MOVING ACTIVITIES, INCLUDING GRUBBING AND CLEARING.

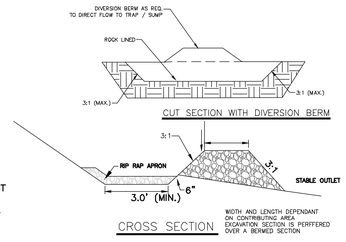
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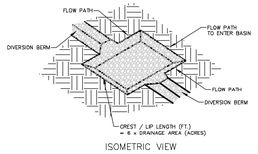
1. DO NOT LAYOUT PERIMETER CONTROL ALONG SLOPING PROPERTY PERIMETER WITHOUT INSTALLING "J HOOKS" AT HIGH CONCENTRATION AREAS. RUNOFF WILL CONCENTRATE AND CAUSE FAILURES ALONG THE PERIMETER.
2. "J HOOKS" CAN BE USED TO HELP LIMIT THE CONCENTRATION OF RUNOFF AND PROVIDE MORE STABILITY TO THE PERIMETER.
3. SILT FENCE AND EROSION CONTROL MULCH BERM MAY BE USED INTERCHANGEABLY. IN SPECIFIED AREA, SILT FENCE MAY NOT BE SUBSTITUTED FOR FILTREXX SILT SOXX OR APPROVED ALTERNATIVE.
4. SEE HAMPSHIRE STORM WATER MANUAL: VOLUME 3, PAGE 99 FOR FURTHER DETAILS AND SPECIFICATIONS



D8

1. TRAP TO BE INSTALLED AS CLOSE TO THE DISTURBED AREA OR SOURCE OF SEDIMENT AS POSSIBLE.
2. THE MAXIMUM CONTRIBUTING DRAINAGE AREA TO THE TRAP SHALL BE LESS THAN 5 ACRES.
3. THE MINIMUM VOLUME OF THE TRAP SHALL BE 3,600 CUBIC FEET OF STORAGE FOR EACH ACRE OF DRAINAGE AREA.
4. THE SIDE SLOPES OF THE TRAP SHALL BE 3:1 OR FLATTER AND SHALL BE STABILIZED IMMEDIATELY AFTER THEIR CONSTRUCTION.
5. THE OUTLET OF THE TRAP SHALL BE A MINIMUM OF ONE FOOT BELOW THE CREST OF THE TRAP AND SHALL DISCHARGE TO A STABILIZED AREA.
6. THE TRAP SHALL BE CLEANED WHEN 50 PERCENT OF THE ORIGINAL VOLUME IS FILLED.
7. THE MATERIALS REMOVED FROM THE TRAP SHALL BE PROPERLY DISPOSED OF AND STABILIZED.





STONE LINED SEDIMENT TRAP
NOT TO SCALE

SIEVE DESIGNATION	SIZE OF STONE (INCHES)
100%	12
84-100%	6
68-83%	3
42-55%	1
8-12%	NO. 4

REFERENCE IS MADE TO A LONG TERM MAINTENANCE MANUAL PREPARED BY BERRY SURVEYING & ENGINEERING, WHICH IS ON FILE AT THE CITY OF ROCHESTER PLANNING DEPARTMENT, AND CAN BE FOUND AT THE OFFICE OF BERRY SURVEYING & ENGINEERING. (603) 332-2863

D-101

CITY OF DOVER PLANNING FILE #

REVISION	DATE	DESCRIPTION
#1	10-17-24	REVISED UNIT COUNT AND ASSOCIATED MODIFICATIONS

DRAINAGE DETAILS
FOR
KNOX MARSH DEVELOPMENT LLC
LAND OF
5 SHERMAN STREET LLC
1 COLD SPRINGS ROAD
DOVER, N.H.
TAX MAP H, LOT 47-A

BERRY SURVEYING & ENGINEERING
335 SECOND CROWN POINT ROAD
BARRINGTON, NH 03825 (603)332-2863

SCALE : AS SHOWN
DATE : SEPTEMBER 1, 2024
FILE NO. : DB 2023 - 126

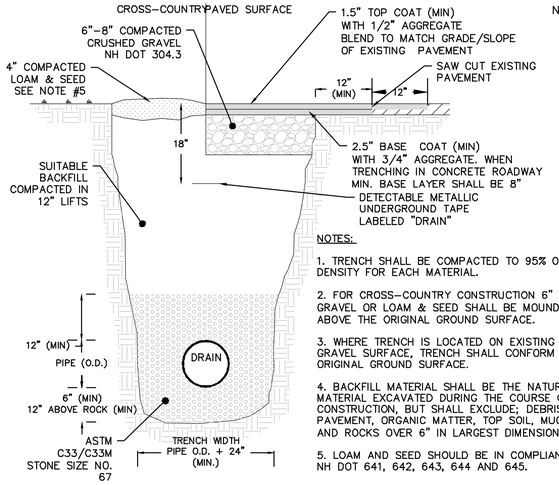
STATE OF NEW HAMPSHIRE
KENNETH A. BERRY
No. 14241
LICENSED PROFESSIONAL ENGINEER

NOT FOR CONSTRUCTION

D9

TYPICAL DRAIN PIPE TRENCH

NOT TO SCALE



NOTES:

1. TRENCH SHALL BE COMPACTED TO 95% OPTIMUM DENSITY FOR EACH MATERIAL.

2. FOR CROSS-COUNTRY CONSTRUCTION 6" CRUSHED GRAVEL OR LOAM & SEED SHALL BE MOUNDED 6" ABOVE THE ORIGINAL GROUND SURFACE.

3. WHERE TRENCH IS LOCATED ON EXISTING LAWN OR GRAVEL SURFACE, TRENCH SHALL CONFORM TO MATCH ORIGINAL GROUND SURFACE.

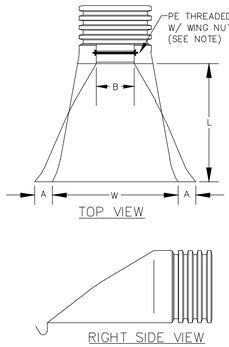
4. BACKFILL MATERIAL SHALL BE THE NATURAL MATERIAL EXCAVATED DURING THE COURSE OF CONSTRUCTION, BUT SHALL EXCLUDE; DEBRIS, PAVEMENT, ORGANIC MATTER, TOP SOIL, MUCK, PEAT AND ROCKS OVER 6" IN LARGEST DIMENSION

5. LOAM AND SEED SHOULD BE IN COMPLIANCE WITH NH DOT 641, 642, 643, 644 AND 645.

D10

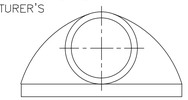
ADS N-12 FLARED END SECTIONS

NOT TO SCALE (ALL DIMENSIONS ARE NOMINAL)



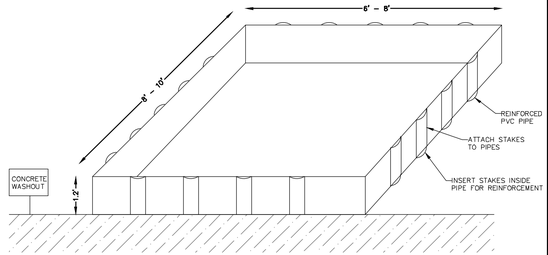
PART No.	PIPE SIZE	A	B(MAX)	H	L	W
1510-NP	15" 375 mm	6.5" 165 mm	10" 254 mm	6.5" 165 mm	25" 635 mm	29" 735 mm
1810-NP	18" 450 mm	7.5" 190 mm	15" 380 mm	6.5" 165 mm	32" 812 mm	35" 890 mm
2410-NP	24" 600 mm	7.5" 190 mm	18" 450 mm	6.5" 165 mm	36" 900 mm	45" 1140 mm
3010-NP	30" 750 mm	10.5" 266 mm	N/A	7.0" 178 mm	53" 1345 mm	68" 1725 mm
3610-NP	36" 900 mm	10.5" 266 mm	N/A	7.0" 178 mm	53" 1345 mm	68" 1725 mm

NOTE: PE THREADED ROD W/ WING NUTS PROVIDED FOR END SECTIONS 15"-24". 30" & 36" END SECTIONS TO BE WELDED PER MANUFACTURER'S RECOMMENDATIONS.



NOTE: FLARED END SECTION IS REQUIRED TO BE ANCHORED TO PREVENT FLOTATION.

D11



NOTES:

1.) CONCRETE WASHOUT SHALL BE INSTALLED PRIOR TO ANY CONCRETE POURS.

2.) SIGNS SHALL BE INSTILLED TO CLEARLY INDICATE WHERE THE LOCATION OF THE WASHOUT AREA IS.

3.) CONTRACTOR IS RESPONSIBLE TO MAINTAIN AND REPLACE WASHOUT AREA AS NEEDED.

4.) RESIDUE SHALL BE REMOVED FROM THE SITE AND DISPOSED OF PROPERLY.

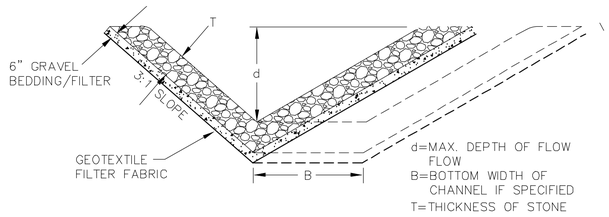
5.) DO NOT WASH CONCRETE TRUCKS OUT INTO DRAINAGE AREAS, SWALES, STREETS OR UNDISTURBED AREAS.

6.) WASHOUT AREA SHALL BE PLACED AWAY FROM DRAINAGE FEATURES AND OUTSIDE AND WETLAND BUFFERS.

CONCRETE WASHOUT

NOT TO SCALE

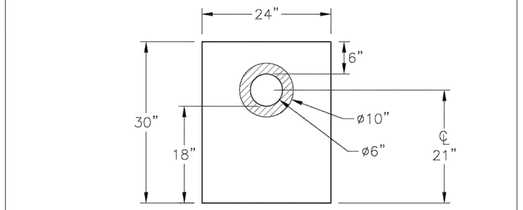
D12



TYPICAL SECTION FOR A RIPRAP LINED CHANNEL

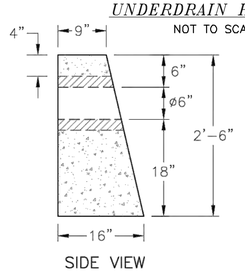
NOT TO SCALE

D13



UNDERDRAIN HEADWALL

NOT TO SCALE



NOTES
1. CONCRETE: FC = 4,000 PSI @ 28 DAYS MIN
2. REINFORCING STEEL: ASTM-A615 GRADE #60

ITEM NO.	WEIGHT
HWSNHDOT-6UD	775 #

SHEA CONCRETE PRODUCTS — New England's Premier Precaster
800-696-7432 (SHEA)
www.sheaconcrete.com
773 Salem Street-Wilmington, MA 153 Cranberry Hwy-Rochester, MA
87 Haverhill Road-Amesbury, MA 160 Old Turnpike Rd-Nottingham, NH
Mail to: PO Box 520-Wilmington, MA 01887

N.H. DOT
6" UNDERDRAIN HEADWALL

Page: Drafter: KMB
Revision:0
Date: 10.27.15
DWG: 6IN PIPE UD W600T

Specifications subject to change without notice

CITY OF DOVER PLANNING FILE #

REVISION	DATE	DESCRIPTION
#1	10-17-24	REVISED UNIT COUNT AND ASSOCIATED MODIFICATIONS

DRAINAGE DETAILS
FOR
KNOX MARSH DEVELOPMENT LLC
LAND OF
5 SHERMAN STREET LLC
1 COLD SPRINGS ROAD
DOVER, N.H.
TAX MAP H, LOT 47-A

BERRY SURVEYING & ENGINEERING
335 SECOND CROWN POINT ROAD
BARRINGTON, NH 03825 (603)332-2863

SCALE : AS SHOWN
DATE : SEPTEMBER 1, 2024
FILE NO. : DB 2023 - 126

STATE OF NEW HAMPSHIRE — KENNETH A. BERRY No. 14241 LICENSED PROFESSIONAL ENGINEER

D-102

NOT FOR CONSTRUCTION

NOTES ON MANHOLE AND SEWER CONSTRUCTION:

1) IT IS THE INTENTION THAT THE MANHOLE, INCLUDING ALL COMPONENT PARTS, HAVE ADEQUATE SPACE, STRENGTH AND LEAKPROOF QUALITIES CONSIDERED NECESSARY FOR THE INTENDED SERVICE. SPACE REQUIREMENTS AND CONFIGURATIONS, SHALL BE AS SHOWN ON THE DRAWING. MANHOLES SHALL BE AN ASSEMBLY OF PRECAST SECTIONS, WITH STEEL REINFORCEMENT AND ADEQUATE JOINTING. THE COMPLETE STRUCTURE SHALL BE OF SUCH MATERIAL AND QUALITY AS TO WITHSTAND HS-20-44 LOADING, INCLUDING THE COVER. ALL SMH CONSTRUCTION AND MATERIALS WILL BE IAW ENV.-WQ 704.13 ADOPTED OCTOBER 15, 2014

2) BARRELS AND CONE SECTIONS SHALL BE PRECAST REINFORCED CONCRETE. (IAW ENV.-WQ 704.12 (d))

3) SEWER MANHOLE DIAMETER SHALL BE AS INDICATED ON THE PLANS.

4) PRECAST CONCRETE BARREL SECTIONS, CONES AND BASES SHALL CONFORM TO ASTM C478.

5) GRAVITY SEWER PIPE TESTING WILL BE IN ACCORDANCE WITH ENV.-WQ 704.06 AND MAN HOLE TESTING IAW ENV.-WQ 704.17 DATED OCTOBER 15, 2014.

6) INVERTS AND SHELVES: MANHOLES SHALL HAVE A BRICK PAVED SHELF AND INVERT, CONSTRUCTED TO CONFORM TO THE SIZE OF THE PIPE AND FLOW. INVERT BRICKS SHALL BE LAID ON EDGE AND THE BASE SECTION SHALL BE FULL. AT CHANGES IN DIRECTIONS, THE INVERTS SHALL BE LAID OUT IN CURVES OF THE LONGEST RADIUS POSSIBLE TANGENT TO THE CENTER LINE OF THE SEWER PIPES. CARE SHALL BE TAKEN TO ENSURE THAT THE BRICK INVERT IS A SMOOTH CONTINUATION OF THE SEWER INVERT. SHELVES SHALL BE CONSTRUCTED TO THE ELEVATION OF THE HIGHEST PIPE CROWN AND SLOPE TO DRAIN TOWARD THE FLOWING THROUGH CHANNEL. UNDERLAYMENT OF INVERT AND SHELF SHALL CONSIST OF BRICK MASONRY. (IAW ENV.-WQ 704.13 (a) (9)), MORTAR SHALL CONFORM WITH REQUIREMENTS OF IAW ENV.-WQ 704.13 (c).

   FRAMES AND COVERS: MANHOLES FRAMES AND COVERS SHALL BE OF HEAVY DUTY DESIGN AND PROVIDE A 30-INCH CLEAR OPENING. 3-INCH (MINIMUM HEIGHT) LETTERS WITH THE WORD "SEWER" SHALL BE PLAINLY CAST INTO THE CENTER OF EACH MANHOLE COVER. (IAW ENV.-WQ 704.13 (a) (4-6)) SEWER MAN HOLE COVERS ARE TO BE LIFTMATE R-1743-LM.

7) PER ENV-WQ 704.12(M), MANHOLES MUST BE CAPABLE OF SUPPORTING HS-20 LOADS.

8) HORIZONTAL JOINTS BETWEEN SECTIONS OF PRECAST CONCRETE BARRELS SHALL BE OF A TYPE APPROVED BY THE DOVER DPW, WHICH TYPE SHALL IN GENERAL DEPEND FOR WATERTIGHTNESS UPON A DOUBLE ROW OF AN OVERLAPPING TYPE ELASTOMERIC OR MASTIC-LIKE GASKET. APPROVED ELASTOMERIC SEALANTS ARE: RAM-NEK, KENT SEAL NO. 2, EZ, OR EQUAL.

9) IN CROSS COUNTRY AREAS OUTSIDE OF THE PAVED ROADWAY SURFACE, THE MANHOLE FRAME ELEVATION SHALL BE A MINIMUM OF 6" ABOVE FINISHED GRADE. GRADE TO PROVIDE POSITIVE DRAINAGE AWAY FROM THE MANHOLE. SEE TYPICAL TRENCH DETAIL ON U10S.

11.) ALL FRAMES AND GRATES ARE TO BE U.S.A. MADE. MANHOLE STEPS ARE REQUIRED IN THIS MUNICIPALITY AND MUST CONFORM TO THE REQUIREMENTS OF ENV-WQ 704.14. STEPS ARE TO BE PLASTIC.

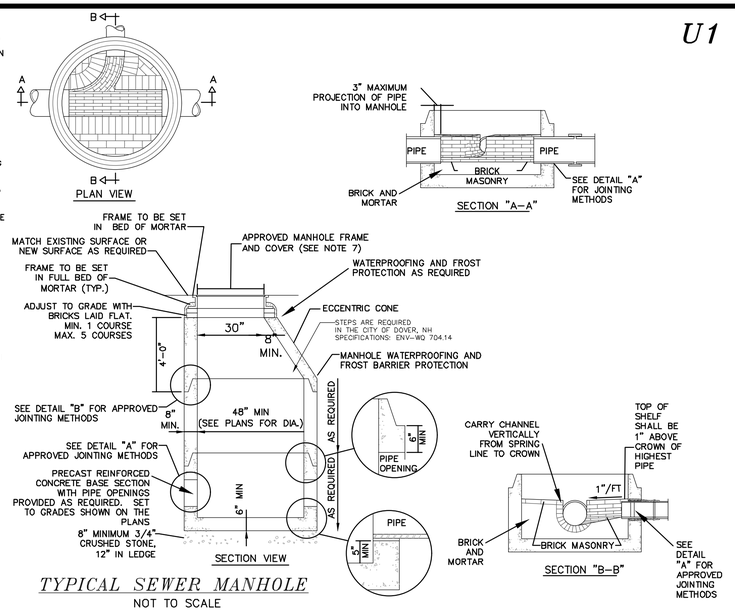
12.) THE CONTRACTOR TO WORK WITH CITY OF DOVER REVIEW ENGINEER AND SEWER DEPARTMENT ON THE MEANS AND METHODS USED TO INSTALL ALL SEWER STRUCTURES.

13.) ANY WORK INVOLVING THE CUTTING INTO THE EXISTING A.C. PIPE SHALL MEET THE REQUIREMENTS OF ENV-A 1800.

14.) THE "CITY OF DOVER, NEW HAMPSHIRE, DEPARTMENT OF COMMUNITY SERVICES, CONSTRUCTION GUIDELINES, PERMITS, RULES, AND REGULATIONS" (DATED MARCH 13, 2018) ARE A PART OF THE CONSTRUCTION DETAILS AND TO BE FOLLOWED.

15.) MANHOLES SHALL BE TESTED FOR LEAKAGE USING A VACUUM TEST IN ACCORDANCE WITH THE ASTM C1244 STANDARD AND ENV-WQ 704.17.

U1



TYPICAL SEWER MANHOLE
NOT TO SCALE

U2

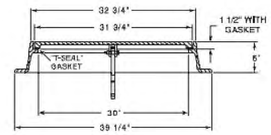
R-1743-LM
LiftMate Frame, Solid Gasketed Lid

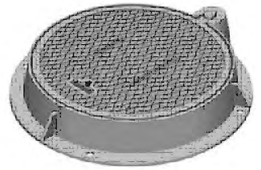
Heavy Duty

Furnished with four 1" anchor holes on 36-7/8" diameter bolt circle.

Hinge plug available for self-seal application.

See p. 13 for LiftMate information.

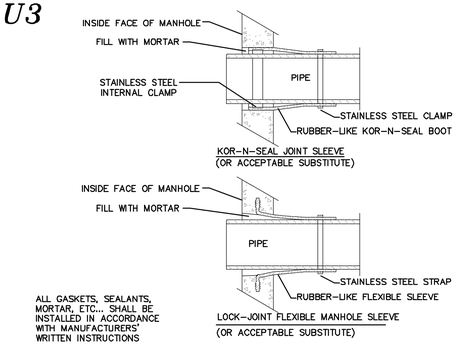




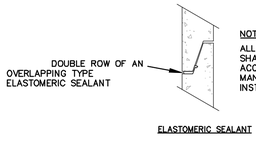
SEWER MANHOLE FRAME AND GRATE WILL BE LIFTMATE R-1743-LM, OR APPROVED EQUAL, 32 INCH OPENING, CAST IRON, H20 LOADING.

SEWER MANHOLE COVER DETAIL
NOT TO SCALE

U3



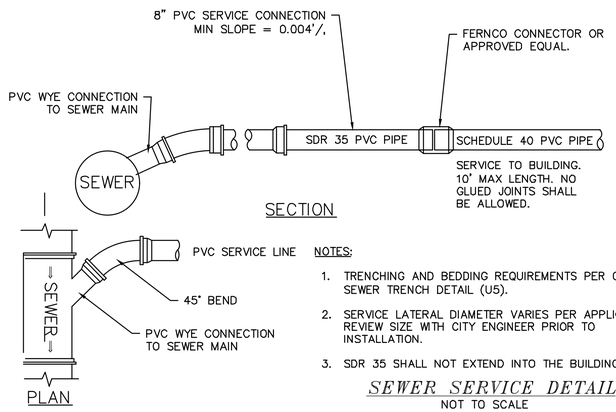
DETAIL "A" - PIPE TO MANHOLE JOINTS
NOT TO SCALE



NOTE:
ALL GASKETS AND SEALANTS SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURERS' WRITTEN INSTRUCTIONS.

DETAIL "B" HORIZONTAL JOINTS
NOT TO SCALE

U4

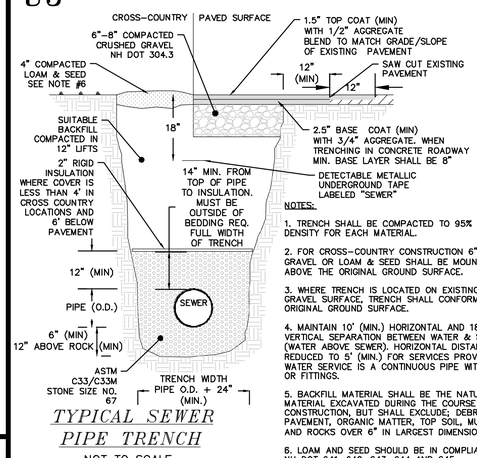


NOTES:

1. TRENCHING AND BEDDING REQUIREMENTS PER CITY SEWER TRENCH DETAIL (U5).
2. SERVICE LATERAL DIAMETER VARIES PER APPLICATION. REVIEW SIZE WITH CITY ENGINEER PRIOR TO INSTALLATION.
3. SDR 35 SHALL NOT EXTEND INTO THE BUILDING

SEWER SERVICE DETAIL
NOT TO SCALE

U5

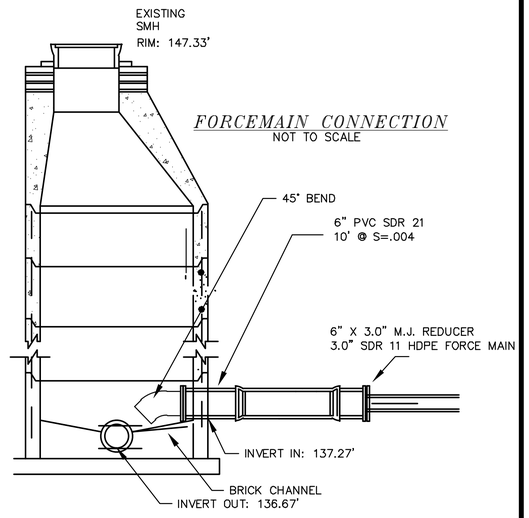


NOTES:

1. TRENCH SHALL BE COMPACTED TO 95% OPTIMUM DENSITY FOR EACH MATERIAL.
2. FOR CROSS-COUNTRY CONSTRUCTION 6" CRUSHED GRAVEL OR LOAM & SEED SHALL BE MOUNDED 6" ABOVE THE ORIGINAL GROUND SURFACE.
3. WHERE TRENCH IS LOCATED ON EXISTING LAWN OR GRAVEL SURFACE, TRENCH SHALL CONFORM TO MATCH ORIGINAL GROUND SURFACE.
4. MAINTAIN 10' (MIN.) HORIZONTAL AND 18" (MIN) VERTICAL SEPARATION BETWEEN WATER & SEWER MAINS (WATER ABOVE SEWER). HORIZONTAL DISTANCE MAY BE REDUCED TO 5' (MIN.) FOR SERVICES PROVIDED THE WATER SERVICE IS A CONTINUOUS PIPE WITHOUT JOINTS OR FITTINGS.
5. BACKFILL MATERIAL SHALL BE THE NATURAL MATERIAL EXCAVATED DURING THE COURSE OF CONSTRUCTION, BUT SHALL EXCLUDE; DEBRIS, PAVEMENT, ORGANIC MATTER, TOP SOIL, MUCK, PEAT AND ROCKS OVER 6" IN LARGEST DIMENSION
6. LOAM AND SEED SHALL BE IN COMPLIANCE WITH NH DOT 641, 642, 643, 644 AND 645.
7. SEWER TRENCH INSULATION SHALL NOT BE PLACED WITHIN LIMITS OF BEDDING/BLANKET REQUIREMENT.

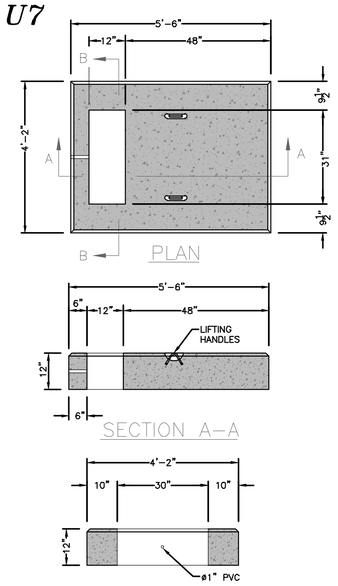
TYPICAL SEWER PIPE TRENCH
NOT TO SCALE

U6



FORCEMAIN CONNECTION
NOT TO SCALE

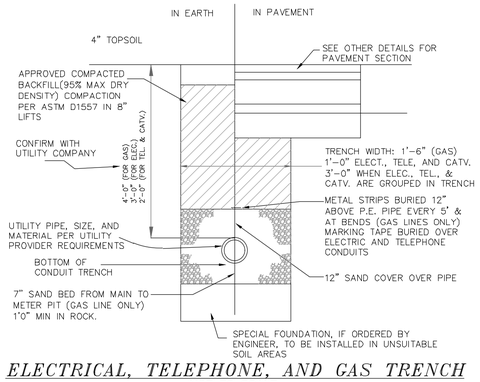
U7



NOTES:
1. CONCRETE MINIMUM STRENGTH 4,000 PSI AFTER 28 DAYS
2. REINFORCEMENT STEEL CONFORMS TO ASTM A615 GRADE 60 #6 REBAR.
3. MEETS OR EXCEEDS EVERSOURCE SPECIFICATIONS.
4. MUST BE A SHEA CONCRETE PRODUCT OR EQUAL.

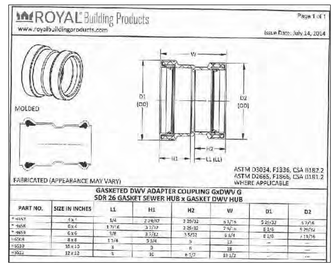
TRANSFORMER AND PAD DETAIL
NOT TO SCALE

U8



ELECTRICAL, TELEPHONE, AND GAS TRENCH
NOT TO SCALE

U9



COUPLING DETAIL
NOT TO SCALE

CITY OF DOVER PLANNING FILE #

REVISION	DATE	DESCRIPTION
#1	10-17-24	REVISED UNIT COUNT AND ASSOCIATED MODIFICATIONS

UTILITY CONSTRUCTION DETAILS
FOR
KNOX MARSH DEVELOPMENT LLC
LAND OF
5 SHERMAN STREET LLC
1 COLD SPRINGS ROAD
DOVER, N.H.
TAX MAP H, LOT 47-A

BERRY SURVEYING & ENGINEERING
335 SECOND CROWN POINT ROAD
BARRINGTON, NH 03825 (603)332-2863

SCALE : AS SHOWN
DATE : SEPTEMBER 1, 2024
FILE NO. : DB 2023 - 126

STATE OF NEW HAMPSHIRE
KENNETH A. BERRY
No. 1424
LICENSED PROFESSIONAL ENGINEER

U-101

NOT FOR CONSTRUCTION

U10

NOTES:

1. TRENCH SHALL BE COMPACTED TO 95% OPTIMUM DENSITY FOR EACH MATERIAL.

2. FOR CROSS-COUNTRY CONSTRUCTION 6" CRUSHED GRAVEL OR LOAM & SEED SHALL BE MOUNDED 6" ABOVE THE ORIGINAL GROUND SURFACE.

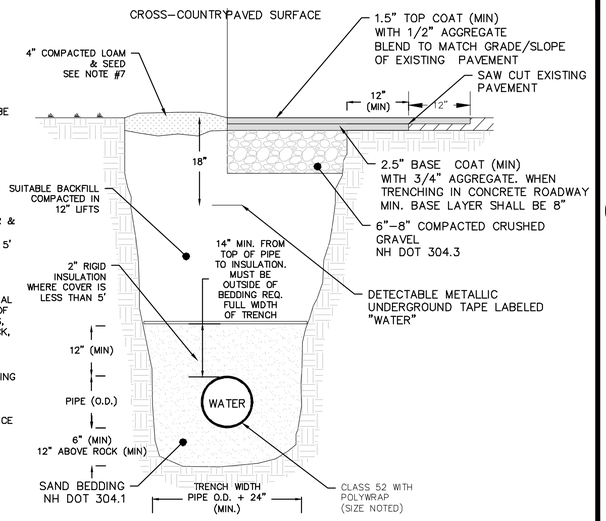
3. WHERE TRENCH IS LOCATED ON EXISTING LAWN OR GRAVEL SURFACE, TRENCH SHALL CONFORM TO MATCH ORIGINAL GROUND SURFACE.

4. MAINTAIN 10' (MIN.) HORIZONTAL AND 18" (MIN) VERTICAL SEPARATION BETWEEN WATER & SEWER MAINS (WATER ABOVE SEWER). HORIZONTAL DISTANCE MAY BE REDUCED TO 5' (MIN.) FOR SERVICES PROVIDED THE WATER SERVICE IS A CONTINUOUS PIPE WITHOUT JOINTS OR FITTINGS.

5. BACKFILL MATERIAL SHALL BE THE NATURAL MATERIAL EXCAVATED DURING THE COURSE OF CONSTRUCTION, BUT SHALL EXCLUDE; DEBRIS, PAVEMENT, ORGANIC MATTER, TOP SOIL, MUCK, PEAT, AND ROCKS OVER 6" IN LARGEST DIMENSION

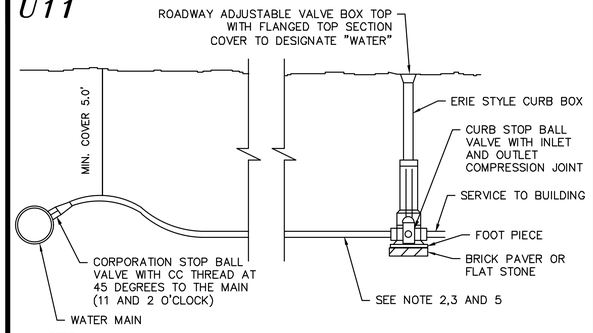
6. PROVIDE MINIMUM 5' OF COVER. ENGINEERING APPROVAL REQUIRED FOR LESS THAN 5' OF COVER.

7. LOAM AND SEED SHOULD BE IN COMPLIANCE WITH NH DOT 641, 642, 643, 644 AND 645.



WATER PIPE TRENCH
NOT TO SCALE

U11



NOTES:

1.ALL WATER LINES 4" OR GREATER SHALL BE DUCTILE IRON WITH AN 8 MIL POLYETHYLENE WRAP, INCLUDING TEE AND OTHER CONNECTIONS.

2. WATER SERVICE LINES SHALL BE COPPER TUBING (TYPE K) BETWEEN MAIN AND CURB STOP.

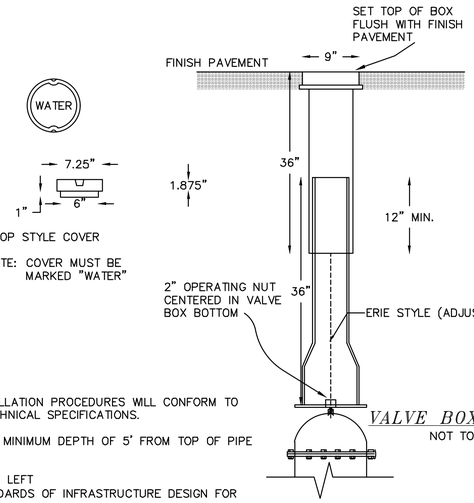
3. SERVICE BETWEEN CURB STOP AND BUILDING MAY BE (BLUE OR BLACK) CTS SDR 9 PLASTIC POLYETHYLENE RATED FOR 250 psi.

4. CAM-LOCK REQUIRED FOR CTS OR IPS, MJ ADAPTER REQUIRED FOR HDPE

5. ¾"- COPPER, CTS
1"- COPPER, CTS
2"- CTS, HDPE, IPS

WATER SERVICE CONNECTION
NOT TO SCALE

U12



DROP STYLE COVER

NOTE: COVER MUST BE MARKED "WATER"

NOTES:

1.) ALL MATERIALS AND INSTALLATION PROCEDURES WILL CONFORM TO LOCAL WATER WORKS TECHNICAL SPECIFICATIONS.

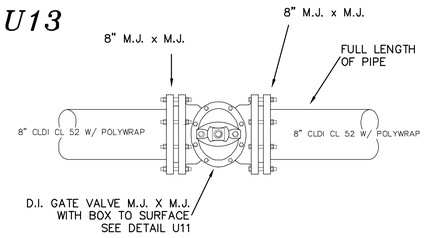
2.) ALL PIPE SHOULD HAVE A MINIMUM DEPTH OF 5' FROM TOP OF PIPE TO FINISH GRADE.

3.) ALL VALVES ARE TO OPEN LEFT

4.) SEE CITY OF DOVER STANDARDS OF INFRASTRUCTURE DESIGN FOR POTABLE WATER DETAILS

VALVE BOX DETAIL
NOT TO SCALE

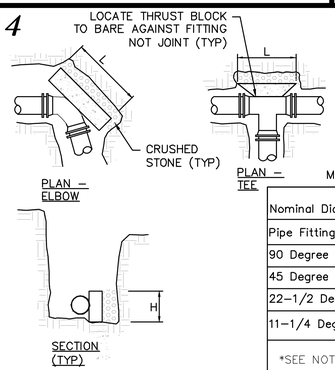
U13

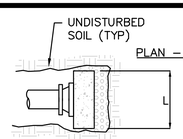


SHUTOFF VALVE DETAIL
NOT TO SCALE

1.) ALL VALVES ARE TO OPEN LEFT
2.) SEE CITY OF DOVER STANDARDS OF INFRASTRUCTURE DESIGN FOR POTABLE WATER DETAILS

U14





THRUST BLOCK SCHEDULE
MINIMUM BEARING AREA (SQUARE FEET)

	PIPE SIZE					
Nominal Dia. (in)	4	6	8	10	12	16
Pipe Fittings	*	*	5.18	7.96	11.43	20.29
90 Degree Bends	*	4.11	7.33	11.26	16.17	28.69
45 Degree Bends	*	*	*	6.10	8.75	15.53
22-1/2 Degree Bends	*	*	*	*	4.46	7.92
11-1/4 Degree Bends	*	*	*	*	*	*

*SEE NOTE 2

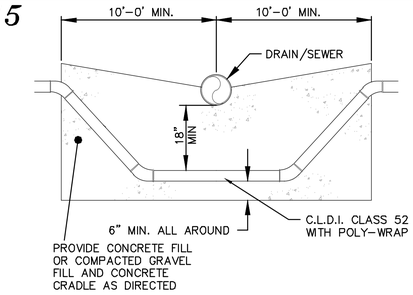
System Pressure: 125 psi
Safety Factor: 1.5
Soil Bearing Capacity: 2,000 psf

NOTES:

1. ALL THRUST BLOCKS SHALL BE PRE-CAST CONCRETE UNLESS APPROVED BY THE CITY ENGINEER.
2. 2'X2'X2' MINIMUM THRUST BLOCK REQUIRED, ANY BEARING AREA OVER 4SF REQUIRES THRUST BLOCKS, RESTRAINED JOINTS AND CALCULATIONS ASSOCIATED WITH THE JOINT.
3. THE MINIMUM BEARING AREAS SHOWN IN THE THRUST BLOCK SCHEDULE ARE BASED ON A SYSTEM PRESSURE OF 125 PSI. IF THE SYSTEM PRESSURE IS ABOVE 125 PSI, INCREASE THE NOTED AREAS PROPORTIONALLY TO THE ACTUAL SYSTEM PRESSURE.
4. FOR MINIMUM BEARING AREAS OVER 4 SF, THE LENGTH (L) OF THE BLOCK IS APPROXIMATELY TWICE AS LONG AS THE HEIGHT (H).
5. PLACE CRUSHED STONE BEHIND THRUST BLOCK AGAINST UNDISTURBED SOIL.
6. PLACE THRUST BLOCK ALONG MAXIMUM LENGTH OF THE FITTING TO MAXIMIZE BEARING AREA.
7. CONCRETE COMPRESSIVE STRENGTH: 2,000 PSI MINIMUM.
8. USE OF THRUST BLOCKS DOES NOT ELIMINATE THE REQUIREMENT OF OTHER RESTRAINTS OR VICE VERSA.

THRUST BLOCKS

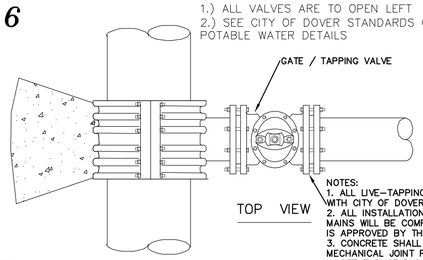
U15



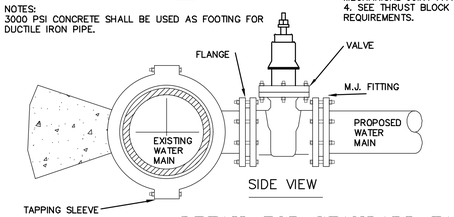
1.) SEE CITY OF DOVER STANDARDS OF INFRASTRUCTURE DESIGN FOR POTABLE WATER DETAILS

WATER MAIN INSTALLATION - BELOW DRAIN & SEWER
NOT TO SCALE

U16

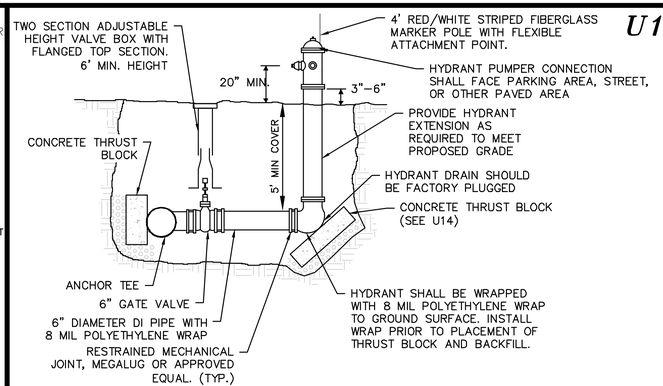


NOTES:
3000 PSI CONCRETE SHALL BE USED AS FOOTING FOR DUCTILE IRON PIPE.



DETAIL FOR STANDARD TAPPING SLEEVE AND VALVE ASSEMBLY
NOT TO SCALE

U17



NOTES:

1. FIRE HYDRANTS SHALL BE FACTORY SEALED EDDY STYLE 2641.

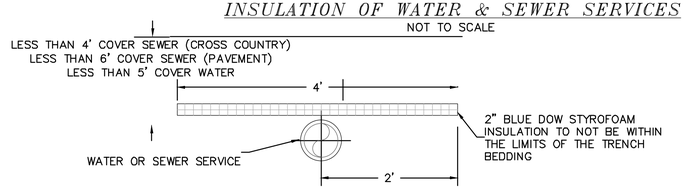
2. HYDRANT SHALL BE PAINTED RED WITH EPOXY PAINT AS RECOMMENDED BY THE HYDRANT MANUFACTURER.

3. HYDRANT SHALL OPEN LEFT.

FIRE HYDRANT
NOT TO SCALE

U18

INSULATION OF WATER & SEWER SERVICES
NOT TO SCALE



U-102

CITY OF DOVER PLANNING FILE #

REVISION	DATE	DESCRIPTION
#1	10-17-24	REVISED UNIT COUNT AND ASSOCIATED MODIFICATIONS

UTILITY CONSTRUCTION DETAILS
FOR
KNOX MARSH DEVELOPMENT LLC
LAND OF
5 SHERMAN STREET LLC
1 COLD SPRINGS ROAD
DOVER, N.H.
TAX MAP H, LOT 47-A

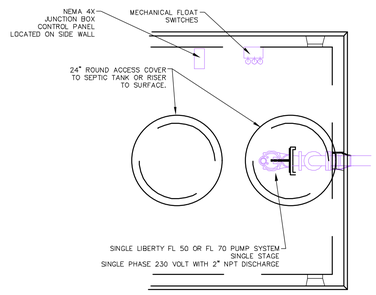
BERRY SURVEYING & ENGINEERING
335 SECOND CROWN POINT ROAD
BARRINGTON, NH 03825 (603)332-2863

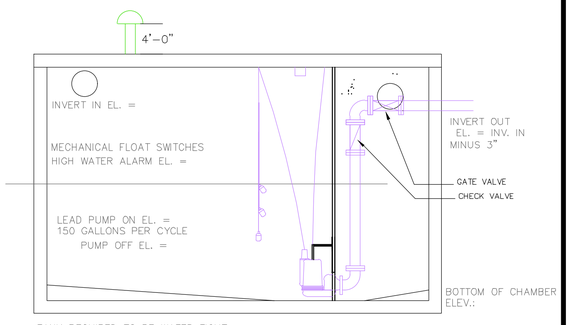
SCALE : AS SHOWN
DATE : SEPTEMBER 1, 2024
FILE NO. : DB 2023 - 126

STATE OF NEW HAMPSHIRE - KENNETH A. BERRY No. 14241 - LICENSED PROFESSIONAL ENGINEER

NOT FOR CONSTRUCTION

U19





TANK REQUIRED TO BE WATER TIGHT

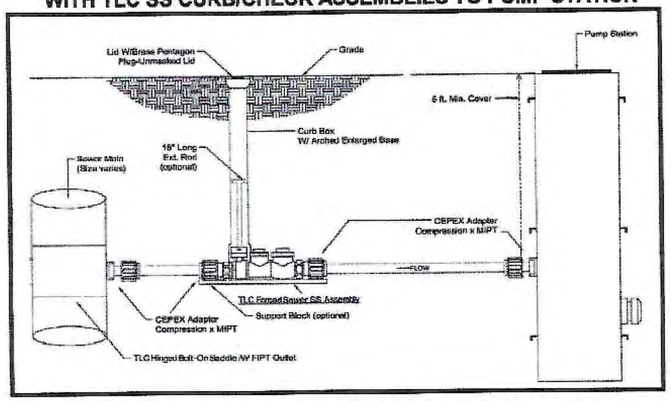
NOTES:
1. AT THE TIME OF CONSTRUCTION BASED ON THE PROPOSED HOUSE FINISH FLOOR ELEVATION AND PROPOSED SEWER EFFLUENT FOUNDATION INVERT, AN INDIVIDUAL DESIGN WILL BE COMPLETED BY A PROFESSIONAL ENGINEER AND SUBMITTED TO THE CITY ENGINEER, DPW, COMMUNITY SERVICES.
2. EACH SINGLE FAMILY HOME WILL BE EQUIPPED WITH A 1,000-GALLON PUMP CHAMBER AND A LIBERTY PUMPS FL 50 OR FL 70 EFFLUENT PUMP OR APPROVED EQUAL. EACH MULTI FAMILY BUILDING WILL BE EQUIPPED WITH A 1,500 GALLON PUMP CHAMBER LIBERTY PUMPS FL 50 OR FL 70 EFFLUENT PUMP OR APPROVED EQUAL
3. THE BOTTOM OF THE PUMP CHAMBER WILL BE SLOPED AT A 1% SLOPE IN ALL DIRECTIONS CREATING A SUMP AROUND THE BASE OF THE PUMP. THE LIFT STATION WILL BE EQUIPPED WITH A GR20 GUIDE RAIL BASE AND RAIL SYSTEM AND LIFT CHAIN. THE PUMP DISCHARGE WILL BE EQUIPPED WITH A CHECK VALVE AND A GATE VALVE BETWEEN THE PUMP AND THE TANK WALL, IN THAT ORDER. THE DISCHARGE WILL LEAVE THE TANK AT A POINT FOUR-FEET BELOW GRADE, INSULATED OR SIX-FEET IF UNDER PAVEMENT, AND THE FORCE MAIN WILL BE DESIGNED UP-HILL TO THE INTERSECTION OF THE COMMON FORCE MAIN.

PUMP & CONTROL CONFIGURATION
NOT TO SCALE

U20

LATERAL CONNECTION

FORCED SEWER MODEL
WITH TLC SS CURB/CHECK ASSEMBLIES TO PUMP STATION



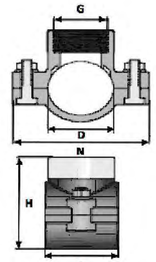
CURB STOP/SWING CHECK FORCED SEWER ASSEMBLIES
LIST PRICING

FORCED SEWER ASSEMBLY THREADED FIPT x FIPT 316 SS BODY	PART NO.	SIZE	WORKING PRESSURE	WT EA. LBS	LIST PRICE
	GR1125-SS	1-1/4"	200 PSI	5.20	POA
	GR3150-SS	1-1/2"	200 PSI	6.86	POA
	GR6211-SS	2"	200 PSI	10.28	POA

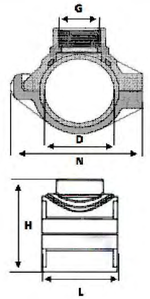
U21

PP SADDLES

CEPEX



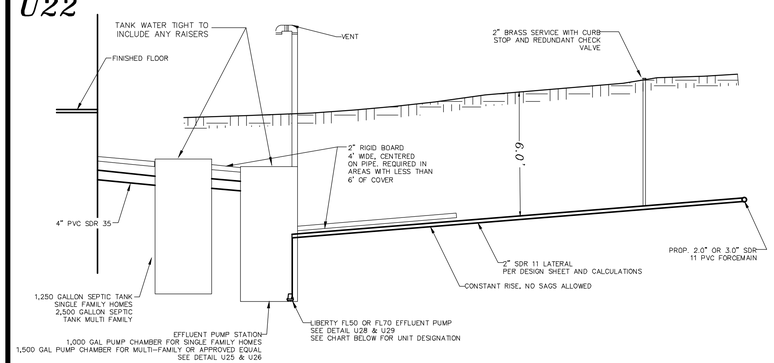
CEPEX IPS 2-BOLT x FIPT OUTLET						
SIZE	CODE	D	G	N	H	L
1-1/2" x 3/4"	LPS-150075SS	1.90	3/4"	3.35	2.93	1.97
1-1/2" X 1"	LPS-150100SS	1.90	1"	3.35	2.93	1.97



TLC IPS HINGED 2-BOLT x FIPT OUTLET						
SIZE	CODE	D	G	N	H	L
2" x 1/2"	LPS-200050SS	2.38	1/2"	4.37	3.78	3.00
2" x 3/4"	LPS-200075SS	2.38	3/4"	4.37	3.78	3.00
2" x 1"	LPS-200100SS	2.38	1"	4.37	3.78	3.00
2" x 1-1/4"	LPS-200125SS	2.38	1-1/4"	4.37	3.78	3.00
2" x 1-1/2"	LPS-200150SS	2.38	1-1/2"	4.37	3.78	3.00
3" x 3/4"	LPS-300075SS	3.50	3/4"	5.50	5.00	3.63
3" x 1"	LPS-300100SS	3.50	1"	5.50	5.00	3.63
3" x 1-1/4"	LPS-300125SS	3.50	1-1/4"	5.50	5.00	3.63
3" x 1-1/2"	LPS-300150SS	3.50	1-1/2"	5.50	5.00	3.63
3" x 2"	LPS-300200SS	3.50	2"	5.50	5.00	3.63
4" x 3/4"	LPS-400075SS	4.50	3/4"	6.57	6.14	3.88
4" x 1"	LPS-400100SS	4.50	1"	6.57	6.14	3.88
4" x 1-1/4"	LPS-400125SS	4.50	1-1/4"	6.57	6.14	3.88
4" x 1-1/2"	LPS-400150SS	4.50	1-1/2"	6.57	6.14	3.88
4" x 2"	LPS-400200SS	4.50	2"	6.57	6.14	3.88

LATERAL CONNECTION
www.lateralconnection.com
#101 - 26921 Gloucester Way • Langley, BC • V4W 3Y3
t. 604-856-7253 / 855-292-8240 • f. 604-381-2148
sales@lateralconnection.com

U22

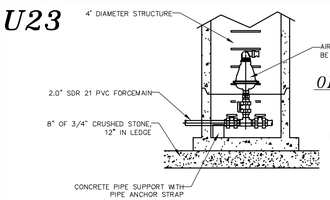


DESIGNERS NOTE: THE PROVIDED TOTAL DYNAMIC HEAD AND PUMPING RATE ARE BASED ON ASSUMED FINISH FLOOR ELEVATIONS AND ASSUMED PUMP CHAMBER TANK ELEVATIONS. INDIVIDUAL LOT DESIGNS WILL BE COMPUTED BY A PROFESSIONAL ENGINEER AND PROVIDED TO THE CITY OF DOVER, COMMUNITY SERVICES, DPW, ENGINEERING DEPARTMENT AS A FUNCTION OF OBTAINING A BUILDING PERMIT. ALL FORCE MAIN SERVICES WILL RUN UP HILL FROM THE PUMP TANK TO THE COMMON FORCE MAIN. SEE THE FORCE MAIN PROFILE ON THE UTILITIES PLAN. SIMPLEX CONTROL PANEL WITH ALARM BELL AND FLASHER. A SUITABLE RECEPTACLE WITH MANUAL TRANSFER SHALL BE INCLUDED FOR CONNECTION TO A PORTABLE GENERATOR FOR AN EMERGENCY POWER SUPPLY.

UNIT #1: FL70
UNIT #2: FL70
UNIT #3: FL70
UNIT #4: FL50
UNIT #5: FL50
UNIT #6: FL50
UNIT #7: FL70
UNIT #8: FL70
UNITS #9-12: FL70
UNIT #13: FL70

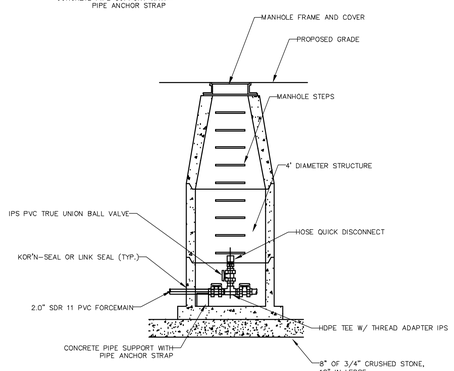
TYPICAL RESIDENTIAL FORCE MAIN CONNECTION
NOT TO SCALE

U23

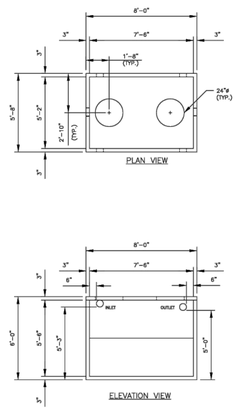


OPTIONAL ELEVATION VIEW
NOT TO SCALE

AIR & VACUUM VALVE MTG. DETAIL
NOTES: 1.) SDR11 PVC FITTINGS TO BE FUSED.
2.) AIR AND VACUUM RELEASE VALVES REQUIRE VENTING TO ATMOSPHERE



TERMINAL FLUSHING MANHOLE DETAIL
NOT TO SCALE



NOTES:
1. CONCRETE: 5,000PSI MIN AFTER 28 DAYS.
2. ALL REINFORCEMENT PER ASTM C923-02.
3. ALL JOINTS TO BE WATER TIGHT.
4. TONGUE & GROOVE JOINT SEALED WITH BUTYLE ROPE.
5. ALL PENETRATIONS BY CLOSED END BOOTS UNLESS FOR CONNECTION.
6. PLASTIC RISER CAN BE POURED INTO COVER.

REVNO.	DATE	REVISION
PREPARED BY:		

DELTA ENGINEERING, P.C. CIVIL & LAND PLANNING CONSULTANTS
184 COCHECO RIVERFRONT, ROCHESTER, NH 03867
TEL: (603) 335-4949 FAX: (603) 335-4950

PREPARED FOR:
ANDREW J. FOSS CO. INC.
100 COCHECO ROAD
FARMINGTON, NH 03835
PHONE(603)755-2515 FAX(603)278-7878

DRN: K.FALON	CHKD: MJC	SHEET NO: SKETCH	SHEET OF:
SCALE: N.T.S.			REF NO: KNOX

PROJECT: 1250 GALLON TANK n-12

DRAWING NO:	2005.367.001	DWG. NO:	SHT.-01
		SHT. NO:	1 OF 1

U24

1,250 GALLON SEPTIC TANK
NOT TO SCALE

U-103

CITY OF DOVER PLANNING FILE #

REVISION	DATE	DESCRIPTION
#1	10-17-24	REVISED UNIT COUNT AND ASSOCIATED MODIFICATIONS

UTILITY CONSTRUCTION DETAILS
FOR
KNOX MARSH DEVELOPMENT LLC
LAND OF
5 SHERMAN STREET LLC
1 COLD SPRINGS ROAD
DOVER, N.H.
TAX MAP H, LOT 47-A

BERRY SURVEYING & ENGINEERING
335 SECOND CROWN POINT ROAD
BARRINGTON, NH 03825 (603)332-2863

AS NOTED
DATE : SEPTEMBER 1, 2024
FILE NO. : DB 2023 - 126

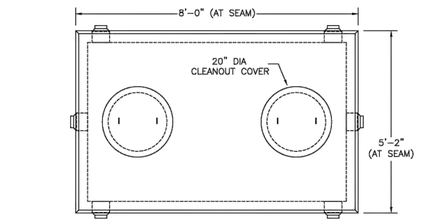
STATE OF NEW HAMPSHIRE
KENNETH A. BERRY No. 14736 LICENSED PROFESSIONAL ENGINEER

NOT FOR CONSTRUCTION

U25

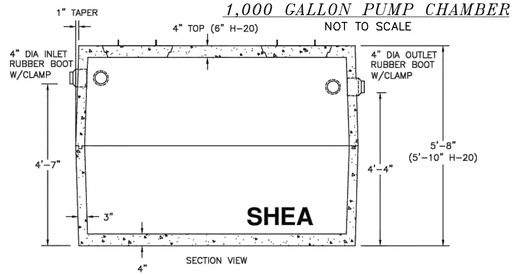
SHEA CONCRETE PRODUCTS — *New England's Premier Precaster* 800-696-7432 (SHEA) www.sheaconcrete.com
BILLING ADDRESS: 87 HAVERHILL RD, AMESBURY MA 01913

PUMP CHAMBER 1000 GALLON



PLAN VIEW

1,000 GALLON PUMP CHAMBER
NOT TO SCALE



SECTION VIEW

NOTES:
1. CONCRETE: 4,000 PSI MINIMUM AFTER 28 DAYS.
2. DESIGN CONFORMS WITH 310 CMR 15.000, DEP TITLE 5 REGS, FOR PUMP CHAMBERS.
3. ALL REINFORCEMENT PER ASTM C1227.
4. JOINT SEALED WITH BUTYL RESIN.
5. IF COVER EXCEEDS 4 FEET, HEAVY DUTY TANK REQUIRED. ALSO AVAILABLE IN AASHTO HS-20 LOADING.
6. PUMPS AND ACCESSORIES OPTIONAL.

SHEA PRODUCT ID: 1000PC/1000PCH	PREPARED FOR:	FILE NAME:	pc1000.dwg
WEIGHT (LBS): 8,765#/9,785#	DRAWN BY: ARO	DATE: 06/01/18	PAGE: C2

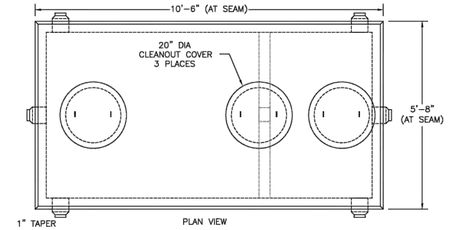
773 Salem Street–Wilmington, MA | 153 Cranberry Hwy–Rochester, MA | 87 Haverhill Road–Amesbury, MA | 160 Old Turnpike Rd–Nottingham, NH

Specifications subject to change without notice

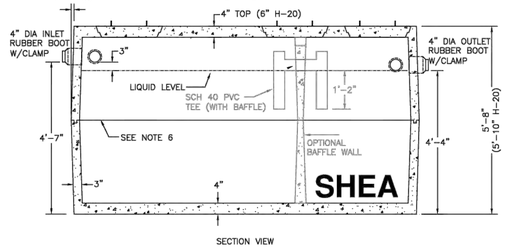
U26

SHEA CONCRETE PRODUCTS — *New England's Premier Precaster* 800-696-7432 (SHEA) www.sheaconcrete.com
BILLING ADDRESS: 87 HAVERHILL RD, AMESBURY MA 01913

SEPTIC TANK 1500 GALLON



PLAN VIEW



SECTION VIEW

1,500 GALLON PUMP CHAMBER
NOT TO SCALE

NOTES:
1. CONCRETE: 4,000 PSI MINIMUM AFTER 28 DAYS.
2. CONSTRUCTION OF SEPTIC TANK CONFORMS WITH 310 CMR, SECTION 15.00 DEP TITLE 5 REGS.
3. ALL REINFORCEMENT PER ASTM C1227.
4. BAFFLE WALL OPTIONAL FOR TWO COMPARTMENT TANKS.
5. TEES AND GAS BAFFLE SOLD SEPARATELY.
6. TONGUE & GROOVE JOINT SEALED WITH BUTYL RESIN.
7. IF COVER EXCEEDS 4 FEET, HEAVY DUTY TANK REQUIRED. ALSO AVAILABLE IN AASHTO HS-20 LOADING.

ITEM NO.		WEIGHT
1500	STANDARD	11,670#
1500H	H-20	13,135#
1500 2C	STANDARD	12,930#
1500 2CH	H-20	14,395#

SHEA PRODUCT ID: SEE TABLE	PREPARED FOR:	FILE NAME:	tk1500.dwg
WEIGHT (LBS): SEE TABLE	DRAWN BY: ARO	DATE: 06/01/18	PAGE: B1.3

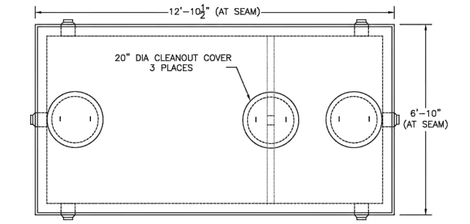
773 Salem Street–Wilmington, MA | 153 Cranberry Hwy–Rochester, MA | 87 Haverhill Road–Amesbury, MA | 160 Old Turnpike Rd–Nottingham, NH

Specifications subject to change without notice

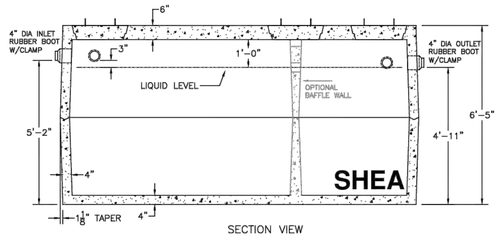
U27

SHEA CONCRETE PRODUCTS — *New England's Premier Precaster* 800-696-7432 (SHEA) www.sheaconcrete.com
BILLING ADDRESS: 87 HAVERHILL RD, AMESBURY MA 01913

SEPTIC TANK 2500 GALLON



PLAN VIEW



SECTION VIEW

NOTES:
1. CONCRETE: 4,000 PSI MINIMUM AFTER 28 DAYS.
2. CONSTRUCTION OF SEPTIC TANK CONFORMS WITH 310 CMR, SECTION 15.00 DEP TITLE 5 REGS.
3. ALL REINFORCEMENT PER ASTM C1227.
4. TEES AND GAS BAFFLE SOLD SEPARATELY.
5. TONGUE & GROOVE JOINT SEALED WITH BUTYL RESIN.
6. IF COVER EXCEEDS 4 FEET, HEAVY DUTY TANK REQUIRED. ALSO AVAILABLE IN AASHTO HS-20 LOADING.

2,500 GALLON SEPTIC TANK
NOT TO SCALE

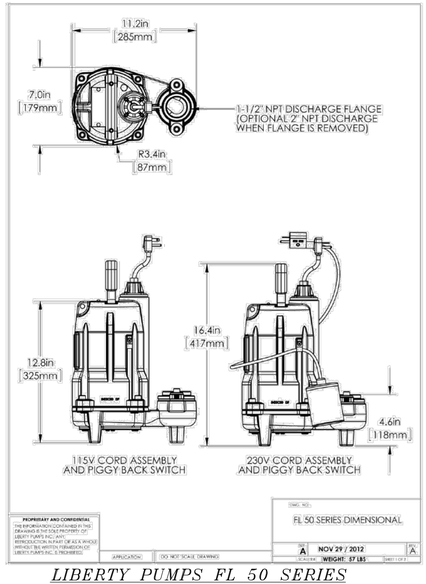
ITEM NO.		WEIGHT
2500	STANDARD	21,750#
2500H	H20	21,750#
2500 2CH	H20	22,650#
2500 2CH	H20	22,650#

SHEA PRODUCT ID: SEE TABLE	PREPARED FOR:	FILE NAME:	tk2500.dwg
WEIGHT (LBS): SEE TABLE	DRAWN BY: ARO	DATE: 06/01/18	PAGE: B1.6

773 Salem Street–Wilmington, MA | 153 Cranberry Hwy–Rochester, MA | 87 Haverhill Road–Amesbury, MA | 160 Old Turnpike Rd–Nottingham, NH

Specifications subject to change without notice

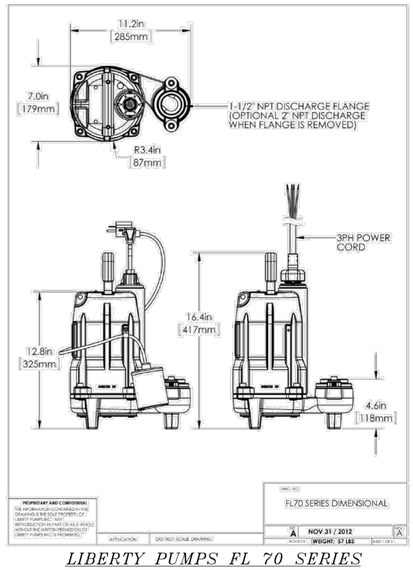
U28 **FL50-Series Dimensional Data**



LIBERTY PUMPS FL 50 SERIES
NOT TO SCALE

FL50_P2 R8/2/2017 ©Copyright 2017 Liberty Pumps Inc. All rights reserved. Specifications subject to change without notice.

U29 **FL70-Series Dimensional Data**



LIBERTY PUMPS FL 70 SERIES
NOT TO SCALE

FL70_P2 R10/24/2017 ©Copyright 2017 Liberty Pumps Inc. All rights reserved. Specifications subject to change without notice.

U–104

CITY OF DOVER PLANNING FILE #

REVISION	DATE	DESCRIPTION
#1	10-17-24	REVISED UNIT COUNT AND ASSOCIATED MODIFICATIONS

UTILITY CONSTRUCTION DETAILS
FOR
KNOX MARSH DEVELOPMENT LLC
LAND OF
5 SHERMAN STREET LLC
1 COLD SPRINGS ROAD
DOVER, N.H.
TAX MAP H, LOT 47-A

BERRY SURVEYING & ENGINEERING
335 SECOND CROWN POINT ROAD
BARRINGTON, NH 03825 (603)332-2863

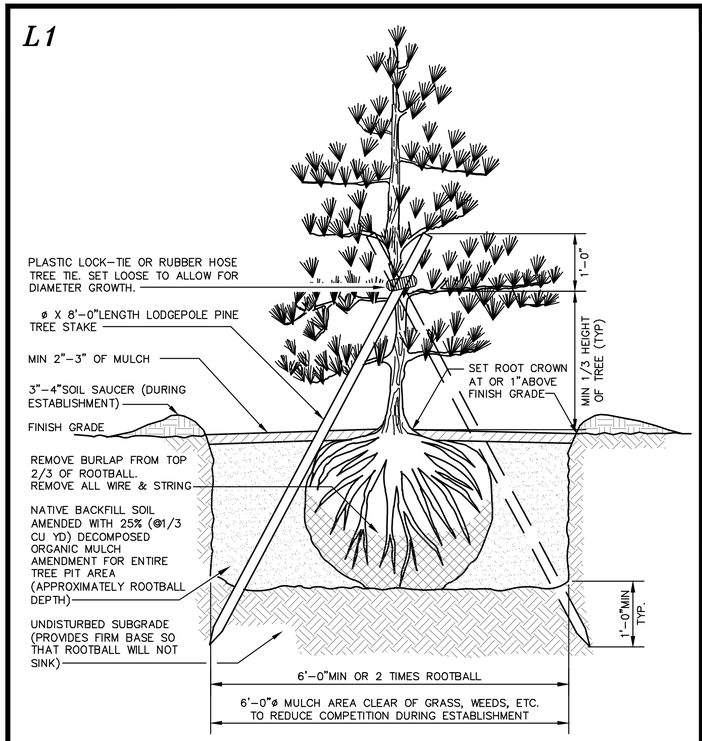
AS NOTED
DATE : SEPTEMBER 1, 2024
FILE NO. : DB 2023 – 126

STATE OF NEW HAMPSHIRE — KENNETH A. BERRY No. 14796 LICENSED PROFESSIONAL ENGINEER

SHEET 33 OF 36

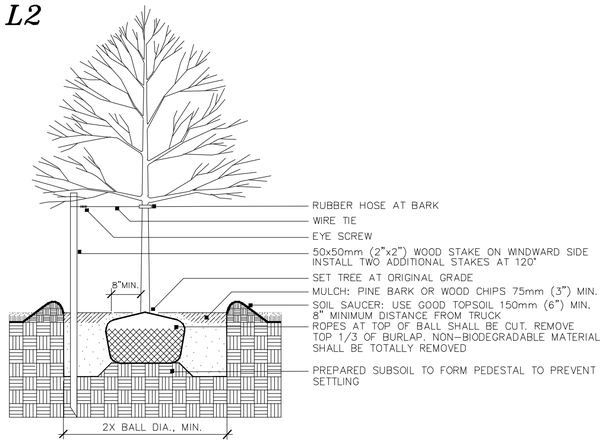
NOT FOR CONSTRUCTION

L1



CONIFEROUS TREE PLANTING

L2



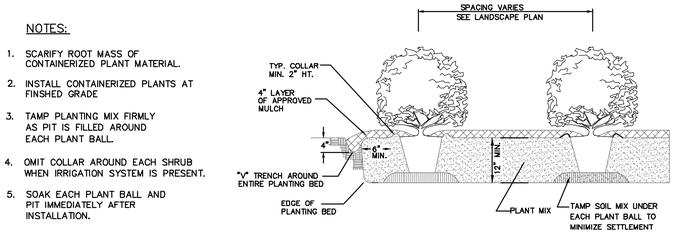
DECIDUOUS TREE PLANTING

NOTE: STAKING TO BE USED IN PARKING ISLANDS AND OTHER CONFINED AREAS AS NECESSARY TO AVOID CONFLICTS WITH PEDESTRIANS

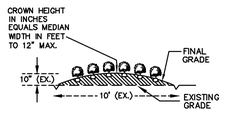
L3

NOTES:

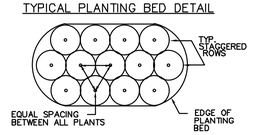
1. SCARIFY ROOT MASS OF CONTAINERIZED PLANT MATERIAL.
2. INSTALL CONTAINERIZED PLANTS AT FINSHED GRADE
3. TAMP PLANTING MIX FIRMLY AS PIT IS FILLED AROUND EACH PLANT BALL.
4. OMIT COLLAR AROUND EACH SHRUB WHEN IRRIGATION SYSTEM IS PRESENT.
5. SOAK EACH PLANT BALL AND PIT IMMEDIATELY AFTER INSTALLATION.



TYPICAL PLANTING BED DETAIL



TYPICAL BED CROWNING

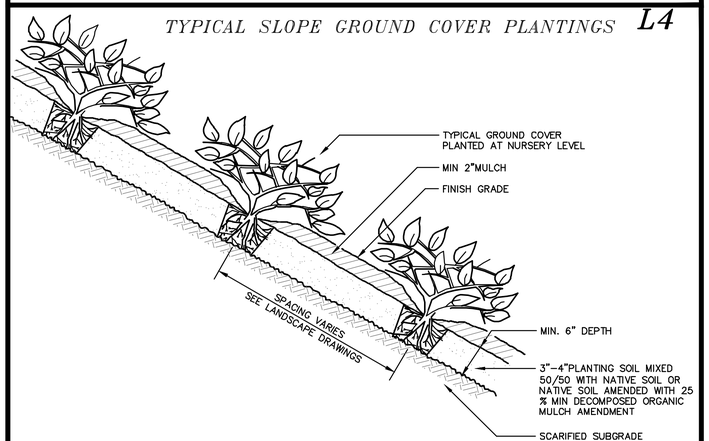


TYPICAL PLANTING BED PLAN

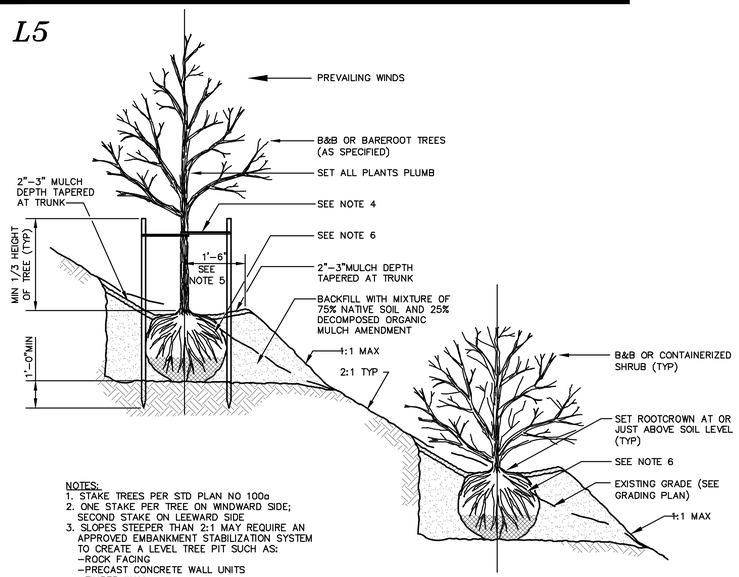
SHRUB & HEDGE PLANTING

L4

TYPICAL SLOPE GROUND COVER PLANTINGS



L5



NOTES:
1. STAKE TREES PER STD PLAN NO 100a
2. ONE STAKE PER TREE ON WINDWARD SIDE; SECOND STAKE ON LEEWARD SIDE
3. SLOPES STEEPER THAN 2:1 MAY REQUIRE AN APPROVED EMBANKMENT STABILIZATION SYSTEM TO CREATE A LEVEL TREE PIT SUCH AS:
   –ROCK FACING
   –PRECAST CONCRETE WALL UNITS
   –TIMBER WALL
   –MANUFACTURED SLOPE RETENTION UNITS
4. CHAINLOCK TREE TIE. LOOP EACH TIE AROUND TREE LOOSELY TO PROVIDE 1" SLACK FOR DIAMETER GROWTH.
5. SHAPE SOIL TO PROVIDE 3' DIAMETER OR ROOTBALL DIAMETER, WHICHEVER IS GREATER, WATERING RING.
6. REMOVE ALL WIRE AND STRING. REMOVE TOP 2/3 OF BURLAP.

TREE PLANTING ON SLOPES

L6

NOTES:

1.) CALL DIG SAFE PRIOR TO BEGINNING WORK. (1–888–344–7233). THE LANDSCAPE CONTRACTOR IS ADVISED OF THE PRESENCE OF UNDERGROUND UTILITIES AND SHALL VERIFY THE EXISTENCE AND LOCATION OF THE SAME BEFORE COMMENCING AND DIGGING OPERATIONS. THE LANDSCAPE CONTRACTOR SHALL REPLACE OR REPAIR UTILITIES, PAVING, WALKS, CURBING, ETC DAMAGED IN PERFORMANCE OF THIS JOB AT NO ADDITIONAL COST TO THE OWNER OR GENERAL CONTRACTOR.

2.) CONTRACTOR SHALL THOROUGHLY FAMILIARIZE THEMSELVES WITH ALL SITE CONDITIONS PRIOR TO CONSTRUCTION BIDDING.

3.) PROVIDED SMOOTH TRANSITION WHERE NEW WORK MEETS EXISTING CONDITIONS.

4.) ALL PLANT MATERIAL INSTALLED SHALL MEET THE SPECIFICATIONS OF "AMERICAN STANDARD FOR NURSERY STOCK" BY THE AMERICAN ASSOCIATION OF NURSERYMEN.

5.) ALL PLANT MATERIALS SHALL BE FREE FROM INSECTS AND DISEASE.

6.) ALL PLANTINGS SHALL BE DONE IN ACCORDANCE WITH ACCEPTABLE HORTICULTURAL PRACTICES. THIS IS TO INCLUDE PROPER PLANTING MIX, PLANT BED AND TREE PIT PREPARATION, PRUNING STAKING OR GUYING, WRAPPING, SPRAYING, FERTILIZATION, PLANTING AND ADEQUATE MAINTENANCE UNTIL ACCEPTANCE FROM OWNER.

7.) ALL GRASS, OTHER VEGETATION AND DEBRIS SHALL BE REMOVED FROM ALL PLANTING AREAS PRIOR TO PLANTING.

8.) THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF EXISTING AND NEWLY PLANTED TREES AND SHRUBS DURING THE CONSTRUCTION PROCESS. WHERE REQUIRED, THE CONTRACTOR SHALL INSTALL TEMPORARY FENCING (SNOW OR EQUAL) AROUND EXISTING TREES AND SHRUBS THAT COULD BE IMPACTED BY THE CONSTRUCTION PROCESS. STORAGE OF CONSTRUCTION EQUIPMENT, CONSTRUCTION MATERIALS, SNOW STORAGE AND OR VEHICLE PARKING SHALL NOT BE PERMITTED WITHIN THE DRIP LINE OF TREES OR TWENTY FEET WHICH EVER IS GREATER.

9.) NEW PLANTINGS SHALL BE INSTALLED PER PROJECT DRAWINGS AND SPECIFICATION THAT INCLUDE FERTILIZATION AND MULCHING AS REQUIRED.

10.) ALL SHRUB BEDS AND TREE PITS SHALL BE MULCHED WITH 3" CLEAN SHREDDED BLACK MULCH.

11.) WHERE INDICATED ON PLAN, PLANTING SOIL MIXTURE FOR GROUND COVER AND PERENNIAL BED AREAS SHALL CONSIST OF FOUR PARTS TOPSOIL, TWO PARTS SPHAGNUM PEAT MOSS, AND ONE PART HORTICULTURAL PERLITE BY VOLUME. PEAT MOSS MAY BE SUBSTITUTED WITH WELL–ROTTED OR DEHYDRATED MANURE OR COMPOST. ROTOTILL BEDS TO A DEPTH OF 8 INCHES.

12.) MAINTENANCE OF NEW PLANTINGS AND LAWNS SHALL BE THE RESPONSIBILITY OF THE GENERAL CONTRACTOR AND OR LANDSCAPE SUBCONTRACTOR UNTIL ACCEPTANCE BY THE OWNER. RESPONSIBILITIES SHALL INCLUDE WATERING WEEDING AND MOWING AS NECESSARY. ALL PLANT MATERIAL SHALL BE GUARANTEED FOR A PERIOD OF ONE YEAR FROM THE DATE OF ACCEPTANCE, REPLACEMENT MATERIAL SHALL BE GUARANTEED FOR AND ADDITIONAL YEAR FROM TIME OF INSTALLATION.

13.) THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING ALL TEMPORARY EROSION CONTROL MEASURES DURING THE CONSTRUCTION PHASE AND UNTIL ALL AREAS HAVE BEEN STABILIZED AND ACCEPTED BY THE OWNER. THE GENERAL CONTRACTOR SHALL PROVIDE WEEKLY INSPECTIONS OF EROSION MEASURE AND IMMEDIATELY AFTER STORM EVENTS AND REPAIR AS NECESSARY.

14.) THE GENERAL CONTRACTOR AND OR THE LANDSCAPE SUBCONTRACTOR SHALL BE RESPONSIBLE FOR THE REMOVAL OF ALL THREE GUYING MATERIAL ONCE PLANT MATERIAL HAS BEEN ESTABLISHED. (MINIMUM OF ONE GROWING SEASON). ALL TEMPORARY EROSION CONTROL MEASURE SHALL BE REMOVED ONCE STABILIZATION OF DISTURBANCE HAS BEEN ACCEPTED BY OWNER.

15.) THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR A MINIMUM OF TWO MOWINGS FOR ALL TURF AREAS OR UNTIL ACCEPTANCE BY THE OWNER. A MINIMUM UNIFORM 75% CATCH OF TURF IS REQUIRED FOR ACCEPTANCE.

16.) ALL PLANTINGS SHALL BE WATERED REGULARLY DURING THEIR FIRST YEAR AND MAINTAINED PERMANENTLY IN GOOD GROWING CONDITION AS AN EFFECTIVE VISUAL SCREEN.

17.) SHRUBS OR TREES WHICH DIE SHALL BE REPLACED WITHIN ONE GROWING SEASON WITH NEW SHRUBS OR TREES TO ENSURE CONTINUED COMPLIANCE WITH APPLICABLE LANDSCAPING REQUIREMENTS.

18.) ALL REQUIRED LANDSCAPING SHALL BE INSTALLED BEFORE OCCUPANCY, OR WITHIN SIX MONTHS IF OCCUPANCY OCCURS DURING WINTER CONDITIONS.

19.) TREES ARE TO BE 3.5" CALIPER 6" OFF THE ROOT BALL.

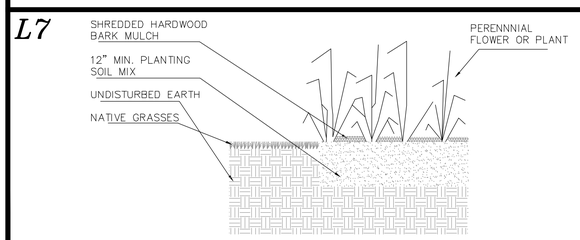
20.) ALL PLANT STOCK SHALL CONFORM TO ANSI Z260.1 – NURSERY STOCK, LATEST EDITIONS (AMERICAN ASSOCIATION OF NURSERYMEN, INC.)

21.) 4" AGED PINEBARK MULCH AND A WEED BARRIER (TY–PAR FABRIC OR APPROVED EQUAL) SHALL BE APPLIED TO ALL SHRUB AND GROUND COVER BEDS. INSTALL WEED BARRIER AS PER MANUFACTURERS RECOMMENDATIONS.

22.) PLANT–PIT BACK–FILL SHALL BE MIXED AT A RATE OF 7 PARTS OF TOPSOIL TO 2 PARTS OF DEHYDRATED COW MANURE. SLOW RELEASE FERTILIZER SHALL BE APPLIED AS PER MANUFACTURERS RECOMMENDATIONS. USE EXISTING ON–SITE TOPSOIL AS PART OF BACK FILL WHEN AVAILABLE.

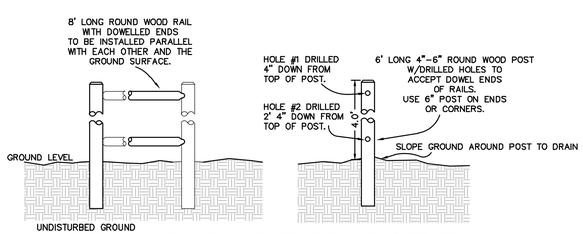
23.) ALL LANDSCAPED AREAS NOT PLANTED WITH TREES, SHRUBS OR GROUNDCOVER SHALL BE RESTORED WITH SEED OR SOD AS INDICATED ON PLANS.

L7



PERENNIAL PLANTING DETAIL

L8



TYPICAL POST & RAIL FENCE DETAIL

CITY OF DOVER PLANNING FILE #

REVISION	DATE	DESCRIPTION
#1	10–17–24	REVISED UNIT COUNT AND ASSOCIATED MODIFICATIONS

LANDSCAPING DETAILS
FOR
KNOX MARSH DEVELOPMENT LLC
LAND OF
5 SHERMAN STREET LLC
1 COLD SPRINGS ROAD
DOVER, N.H.
TAX MAP H, LOT 47–A

BERRY SURVEYING & ENGINEERING
335 SECOND CROWN POINT ROAD
BARRINGTON, NH 03825 (603)332–2863

SCALE : AS SHOWN
DATE : SEPTEMBER 1, 2024
FILE NO. : DB 2023 – 126

STATE OF NEW HAMPSHIRE – KENNETH A. BERRY No. 14241 – LICENSED PROFESSIONAL ENGINEER

L–101

NOT FOR CONSTRUCTION



AMERICAN BUMBLE BEE

IDENTIFICATION/DESCRIPTION:

BOMBUS PENSYLVANICUS IS A LARGE BUMBLE BEE WITH THE QUEEN MEASURING 1 IN, THE WORKER FROM 0.5 IN, AND THE MALE FROM 0.75 IN IN LENGTH. THE QUEEN IS MOSTLY BLACK, INCLUDING THE LEGS, SPURS AND TEGULAE (BASE OF WING). TERGITE 1, OR THE MOST ANTERIOR BACK PORTION OF THE QUEEN IS OFTEN YELLOW ESPECIALLY IN THE MIDDLE. WORKER BEES' MIDDLE TERGITES ARE YELLOW, THE TAIL BLACK, AND FACE LONG. THEIR CHEEKS ARE SLIGHTLY LONGER THAN BROAD, AND THE CLYPEUS (NOSE) HAS LARGE PUNCTURES EXCEPT ON THE MID LINE. THE HAIR ON THE TOP OF THE HEAD IS BLACK, SHORT AND EVEN. MALES HAVE A YELLOW ABDOMEN WITH A BLACK HEAD AND BLACK STRIPING IN THE LOWER THORAX.



SPOTTED TURTLE

IDENTIFICATION/DESCRIPTION:

A SMALL 3–5 INCH TURTLE RECOGNIZED BY NUMEROUS YELLOW SPOTS COVERING A DARK CARAPACE. THE NUMBER OF SPOTS IS VARIABLE. SPOTS CAN ALSO BE FOUND ON THE HEAD AND LIMBS.



NORTHERN BLACK RACER

IDENTIFICATION/DESCRIPTION:

A SLENDER BLACK SNAKE MEASURING 36–60 INCHES. BLACK RACERS ARE GLOSSY BLACK ON THE TOP AND BOTTOM WITH A WHITE THROAT AND CHIN. YOUNG RACERS ARE PATTERNED WITH BROWN OR REDDISH PATCHES ON A LIGHTER BASE OF GRAY.



SMOOTH GREEN SNAKE

IDENTIFICATION/DESCRIPTION:

A THIN, SLENDER BRIGHT–GREEN SNAKE MEASURING 10–20 INCHES. THE UNDERSIDE IS WHITE OR A PALE YELLOW.



LITTLE BROWN BAT

IDENTIFICATION/DESCRIPTION:

THE LITTLE BROWN BAT IS A SMALL MAMMAL WITH A BODY LENGTH OF 2 1/2 – 4" AND WEIGHING APPROXIMATELY 1/8 TO 1/2 AN OUNCE. THE WINGSPAN OF LITTLE BROWN BATS RANGE FROM 9 – 11". BATS ARE THE ONLY MAMMALS THAT ENGAGE IN TRULY ACTIVE FLIGHT. AS THEIR NAME SUGGESTS THEY ARE GLOSSY BROWN ABOVE WITH A LIGHTER GRAY COLOR BELOW. THESE BATS CAN LIVE 20 TO 30 YEARS.



NORTHERN LONG–EARED BAT

IDENTIFICATION/DESCRIPTION:

THE NORTHERN LONG–EARED BAT IS A MEDIUM–SIZED BAT WITH A BODY LENGTH OF 3 TO 3.7 INCHES BUT A WINGSPAN OF 9 TO 10 INCHES. THEIR FUR COLOR CAN BE MEDIUM TO DARK BROWN ON THE BACK AND TAWNY TO PALE–BROWN ON THE UNDERSIDE. AS ITS NAME SUGGESTS, THIS BAT IS DISTINGUISHED BY ITS LONG EARS, PARTICULARLY AS COMPARED TO OTHER BATS IN ITS GENUS, MYOTIS



TRI–COLORED BAT

IDENTIFICATION/DESCRIPTION:

THE TRICOLORED BAT, FORMERLY KNOWN AS THE EASTERN PIPISTRELLE (PIPISTRELLUS SUBFLAVUS), IS A SMALL BAT WEIGHING 0.2 TO 0.3 OUNCES (5 TO 8 GR) AND HAS A WINGSPAN OF 8 TO 10 INCHES. THE TERM "TRICOLORED" REFERS TO THE BATS YELLOWISHBROWN COAT THAT IS DARK AT THE BASE, YELLOWISH–BROWN IN THE MIDDLE, AND DARK AT THE TIPS. THE WING MEMBRANES ARE BLACKISH, BUT THE FACE AND EARS HAVE A PINKISH COLOR. AN OBVIOUS IDENTIFYING CHARACTERISTIC OF THIS SPECIES IS THE PINK COLOR OF THE SKIN ON THE RADIUS BONE. THE FEET ARE ALSO RELATIVELY LARGE COMPARED TO ITS BODY SIZE.



EASTERN SMALL–FOOTED BAT

IDENTIFICATION/DESCRIPTION:

THE EASTERN SMALL–FOOTED BAT HAS BROWNISH FUR, OFTEN WITH A GOLDEN SHEEN, THAT CONTRASTS WITH ITS BLACKISH FACE AND EARS, AND BLACKISH–BROWN WINGS AND TAIL MEMBRANE. IT CAN BE DISTINGUISHED FROM OTHER MYOTIS SPECIES BY ITS BLACK MASK AND SMALL SIZE. THE BODY IS LITTLE MORE THAN 3½ INCHES LONG, INCLUDING A 1½–INCH TAIL. ITS SMALL FEET, WHICH PROVIDE THE COMMON NAME, ARE LESS THAN A HALF–INCH AND ITS WINGSPAN RANGES FROM 8¾ TO 9¾INCHES. THIS SPECIES FLIES SLOWLY AND ERRATICALLY, USUALLY ABOUT ONE TO THREE YARDS ABOVE THE GROUND.

PLEASE REPORT OBSERVATIONS OF RARE TURTLES

The NH Fish & Game Department is requesting observations of the following turtle species

Turtles may be attracted to disturbed ground during nesting season (May 15th – June 30th)

Turtles are most active from April 15th - October 15th



Blanding's turtle
(State Endangered)

Large, dark/black domed shell with lighter speckles.

Distinct yellow throat/chin.

Aquatic but often moves on land.



Spotted turtle
(State Threatened)

Small, mostly aquatic with black or dark brown with yellow spots.

Fairly flat shell compared to Blanding's turtle.

Spots vary in color and number.

Fis 1401.03 (a) No person shall take or possess a spotted turtle (*Clemmys guttata*)...Blanding's turtle (*Emydoidea blandingii*)...or any egg or part thereof.

Report sightings immediately to NHFG Wildlife Division at 603-271-2461 (M-F 8-4) or to NHFG Wildlife Biologist Melissa Winters 603-479-1129 (cell) anytime.

Please report promptly, noting specific location and date – Photographs strongly encouraged

Wood Turtle

(New Hampshire Species of Special Concern)

Turtles may be attracted to disturbed ground during nesting season (**May 15th – June 30th**)

Turtles are most active from **April 15th - October 15th**



Identifying traits

- Neck and forelimbs are orange.
- Characterized by its highly sculpted shell with each large scute taking on an irregular pyramidal shape.
- Adults can be 5-8 inches long.

Habitat Use

- wooded areas near streams
- uplands surrounding streams





NOTE: It is illegal to remove a wood turtle from the wild.

Observations shall be reported to NH Fish & Game at NHFGReview@wildlife.nh.gov or at 603-271-2461
Photo documentation, location and date/time of observation is helpful.

State laws pertaining to this species RSA 207:1, FIS 804.02, Fis 1401.03 (a)

PLANNING FILE #

REVISION	DATE	DESCRIPTION

WILDLIFE IDENTIFICATION PLAN
LAND OF
DOVER DEVELOPMENT, LLC
52 OLD ROCHESTER ROAD
DOVER, N.H.
TAX MAP 40, LOT 25

BERRY SURVEYING & ENGINEERING
335 SECOND CROWN POINT ROAD
BARRINGTON, NH 03825 (603)332-2863

SCALE : N/A
DATE : JULY 1, 2024
FILE NO. : DB 2022 – 075

STATE OF NEW HAMPSHIRE
KENNETH A. BERRY
No. 14241
LICENSED PROFESSIONAL ENGINEER

W–101

SHEET 35 OF 36

NOT FOR CONSTRUCTION

NOTES:

1.) OWNER: 5 SHERMAN STREET LLC
242 CENTRAL AVE
DOVER, NH 03820

APPLICANT: KNOX MARSH DEVELOPMENT LLC
242 CENTRAL AVE
DOVER, NH 03820

2.) TAX MAP H, LOT 47-A

3.) THE INTENT OF THIS PLAN IS TO PROVIDE DOVER FIRE TRUCK TURNING MOVEMENT AROUND THE PROPOSED ROADWAY.

PROPOSED 4-FAMILY BUILDING UNITS #9 - #12

PROPOSED SINGLE FAMILY HOUSE UNIT #8

PROPOSED SINGLE FAMILY HOUSE UNIT #7

PROPOSED SINGLE FAMILY HOUSE UNIT #6

PROPOSED SINGLE FAMILY HOUSE UNIT #5

PROPOSED SINGLE FAMILY HOUSE UNIT #4

PROPOSED SINGLE FAMILY HOUSE UNIT #3

PROPOSED SINGLE FAMILY HOUSE UNIT #2

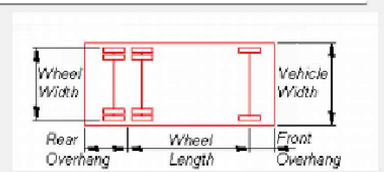
PROPOSED SINGLE FAMILY HOUSE UNIT #1

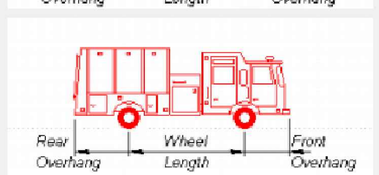
SINGLE FAMILY HOUSE UNIT #13

COLD SPRINGS ROAD

SOPHIE DRIVE

Description	Dover Fire Engine
Wheel Width	8.330
Wheel Length	20.000
Vehicle Width	8.330
Front Overhang	13.580
Rear Overhang	16.000
Tire Diameter	3.330
Rear Axle Count	2
Rear Axle Offset	4.200
Section Type	Fire Truck
Section Symbol	Set





NAD83 NH STATE PLANE

MAGNETIC

GRAPHIC SCALE
20 0 10 20 40 80
(IN FEET)
1 inch = 20 ft.

CITY OF DOVER PLANNING FILE #

REVISION	DATE	DESCRIPTION
#1	10-17-24	REVISED UNIT COUNT AND ASSOCIATED MODIFICATIONS

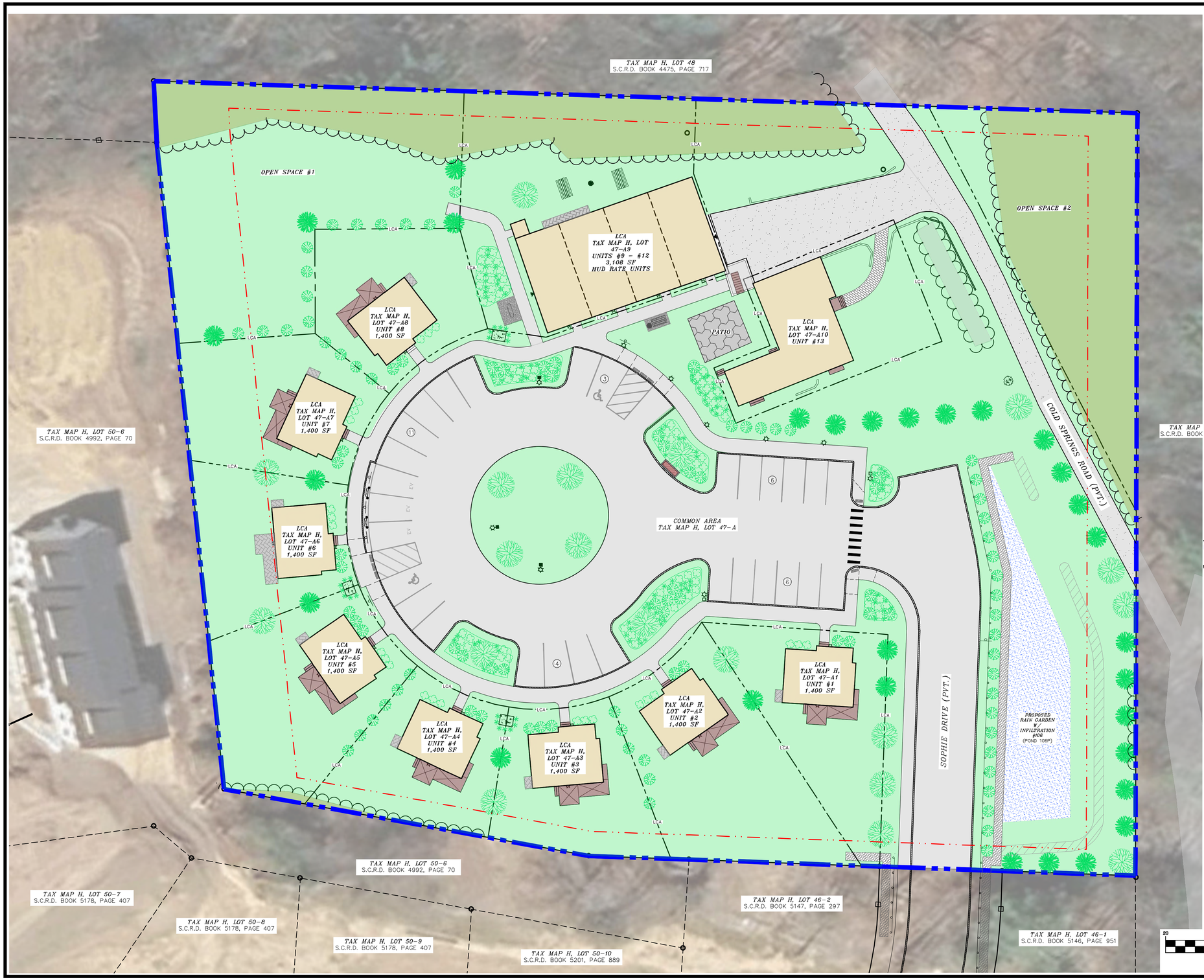
FIRE TRUCK TURNING SOPHIE DRIVE
FOR
KNOX MARSH DEVELOPMENT LLC
LAND OF
5 SHERMAN STREET LLC
1 COLD SPRINGS ROAD
DOVER, N.H.
TAX MAP H, LOT 47-A

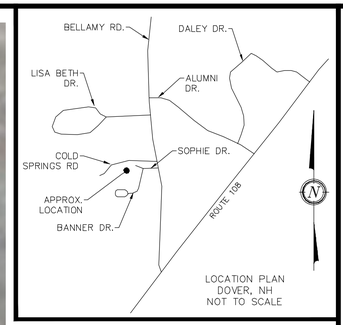
BERRY SURVEYING & ENGINEERING
335 SECOND CROWN POINT ROAD
BARRINGTON, NH 03825 (603)332-2863

SCALE : 1 IN. EQUALS 20 FT.
DATE : SEPTEMBER 1, 2024
FILE NO. : DB 2023 - 126

STATE OF NEW HAMPSHIRE
KENNETH A. BERRY
No. 14242
LICENSED PROFESSIONAL ENGINEER

NOT FOR CONSTRUCTION





NOTES:

1.) OWNER: 5 SHERMAN STREET LLC
242 CENTRAL AVENUE
DOVER, NH 03820

APPLICANT: KNOX MARSH DEVELOPMENT LLC
242 CENTRAL AVENUE
DOVER, NH 03820

2.) TAX MAP H, LOT 47-A

3.) S.C.R.D. BOOK 5190, PAGE 597

4.) LOT AREA: 117,854 Sq.Ft., 2.71 Ac.

5.) THE INTENT OF THIS PLAN IS TO SHOW A COLOR RENDERING OF THE PROPOSED DEVELOPMENT OF TAX MAP H, LOT 47-A, LOCATED IN DOVER, N.H.

CITY OF DOVER PLANNING FILE #

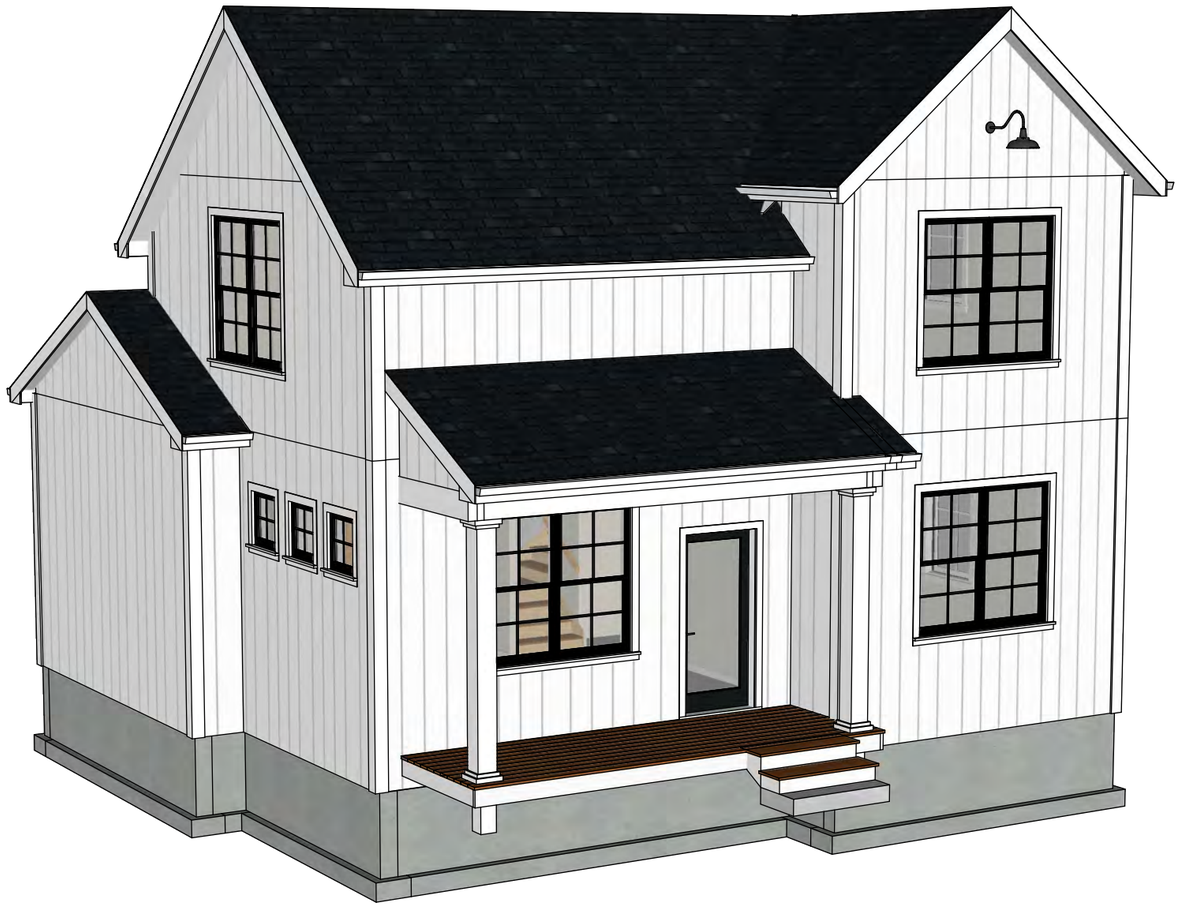
REVISION	DATE	DESCRIPTION
#1	10-17-24	REVISED UNIT COUNT AND ASSOCIATED MODIFICATIONS

COLOR RENDERING
FOR
KNOX MARSH DEVELOPMENT LLC
LAND OF
5 SHERMAN STREET LLC
1 COLD SPRINGS ROAD
DOVER, N.H.
TAX MAP H, LOT 47-A

BERRY SURVEYING & ENGINEERING
335 SECOND CROWN POINT ROAD
BARRINGTON, NH 03825 (603)332-2863

SCALE : 1 IN. EQUALS 20 FT.
DATE : SEPTEMBER 1, 2024
FILE NO. : DB 2023 - 126

NOT FOR CONSTRUCTION



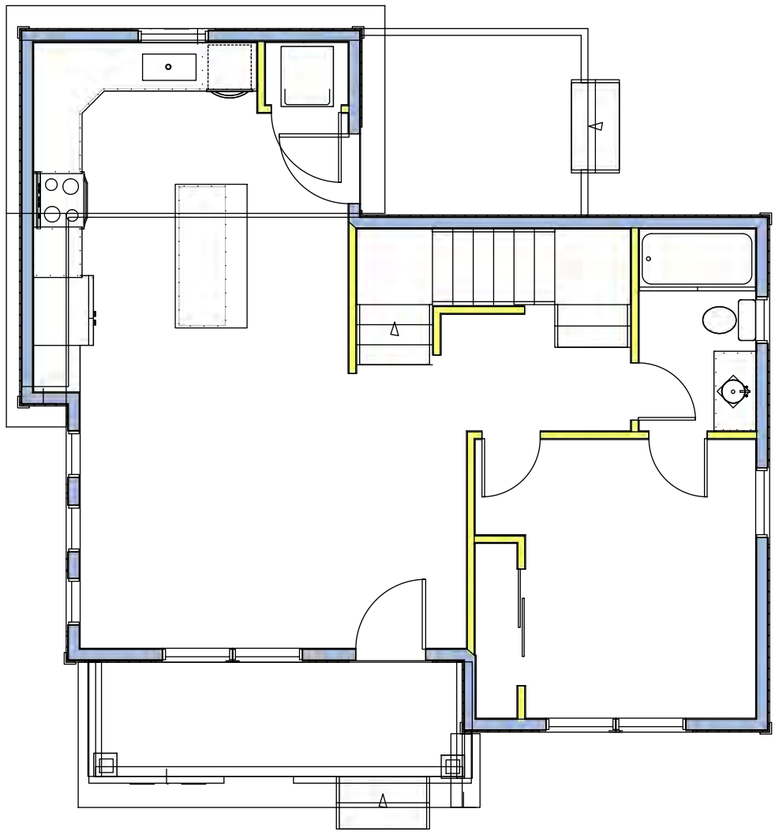

26'-7 9/64"
5 1/64"

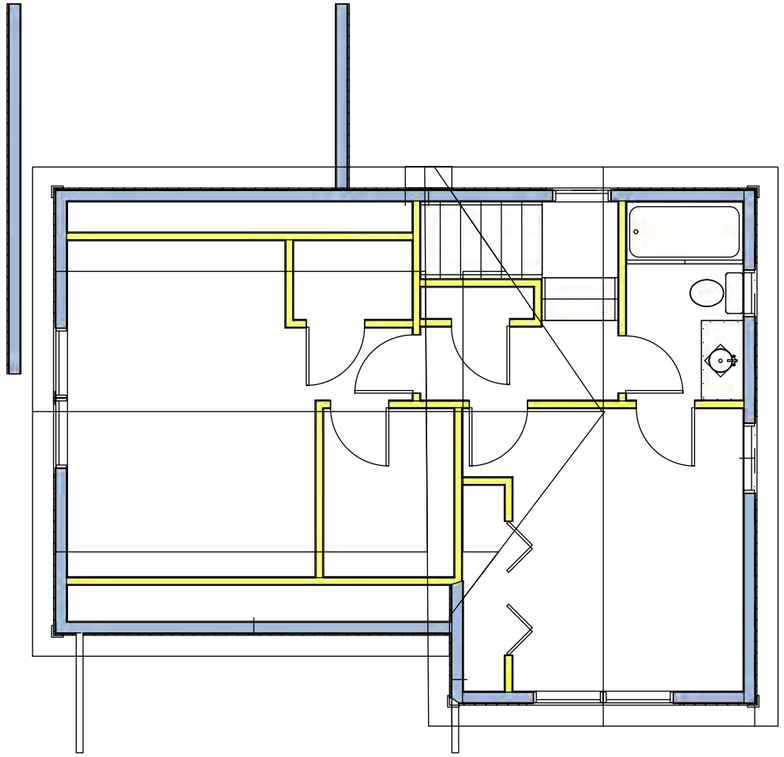

26'-7 9/64"
32'-8"





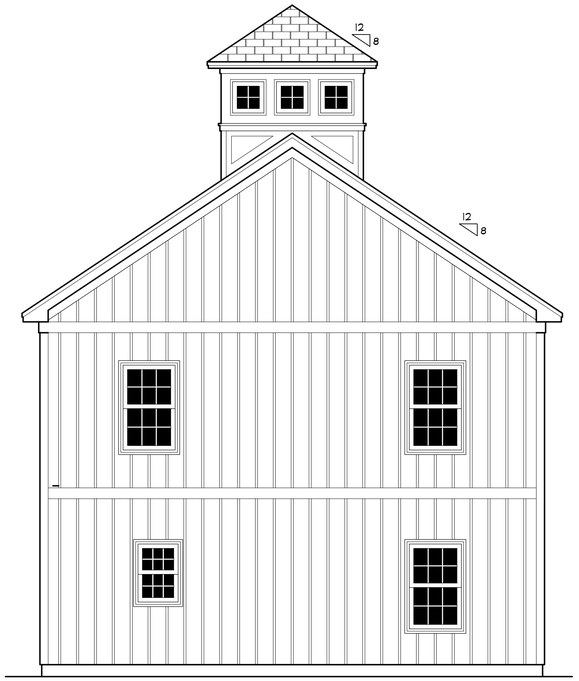
ROBERT BALDWIN



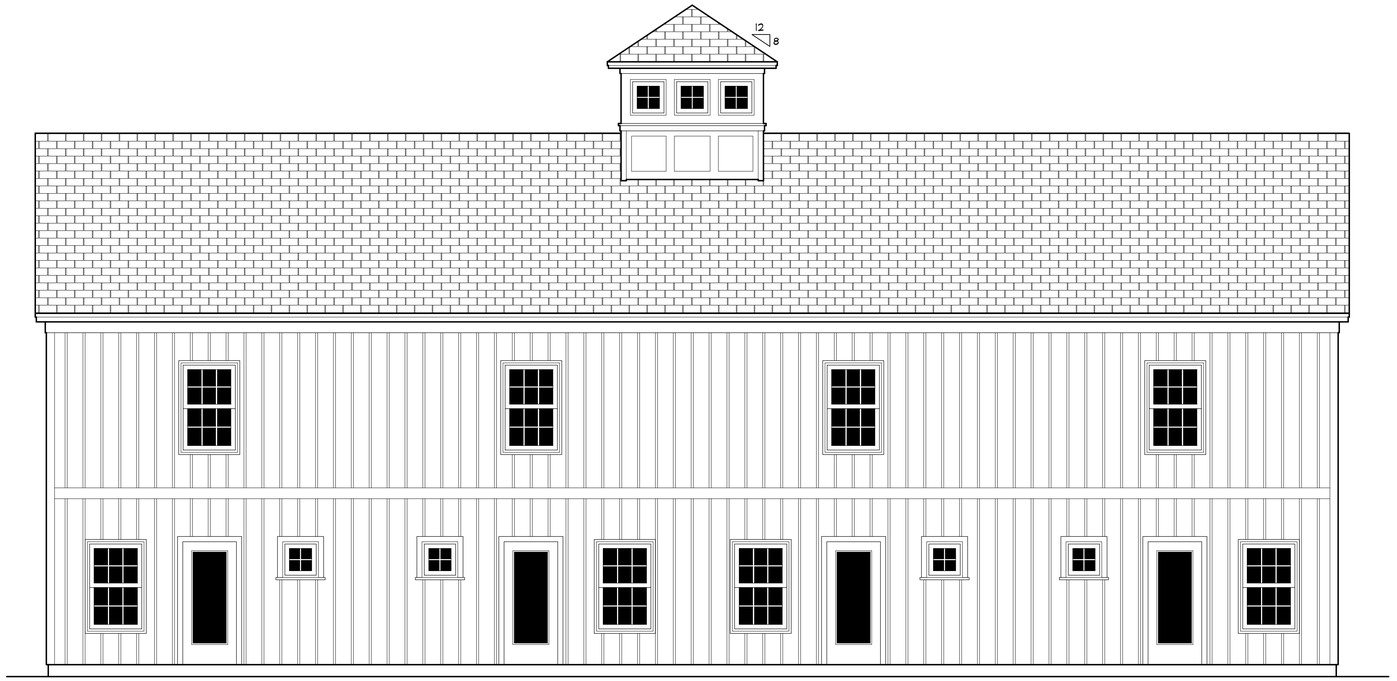


ROBERT BALDWIN

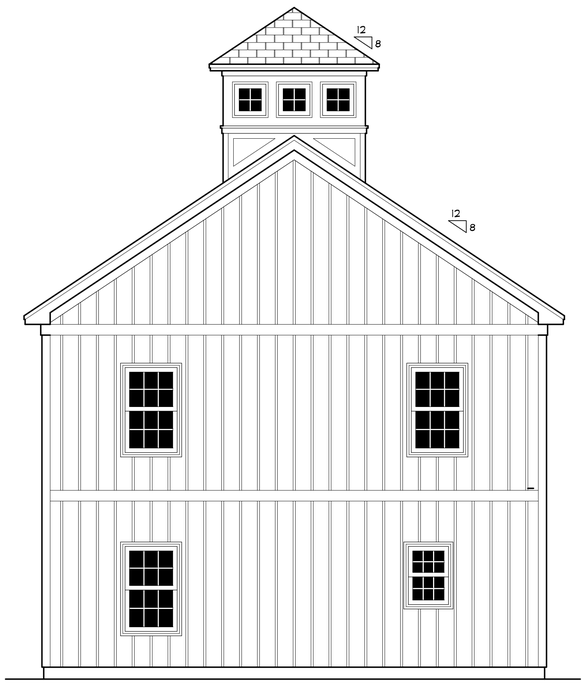
THESE PLANS WERE NOT DRAWN BY A LICENSED ARCHITECT OR ENGINEER
M. MORELAND CONSTRUCTION TAKES NO RESPONSIBILITY IN THE STRUCTURAL OR LIFE SAFETY DETAILING IN THESE PLANS.
ALL WORK SHALL COMPLY TO ALL LOCAL, STATE, & NATIONAL BUILDING CODES



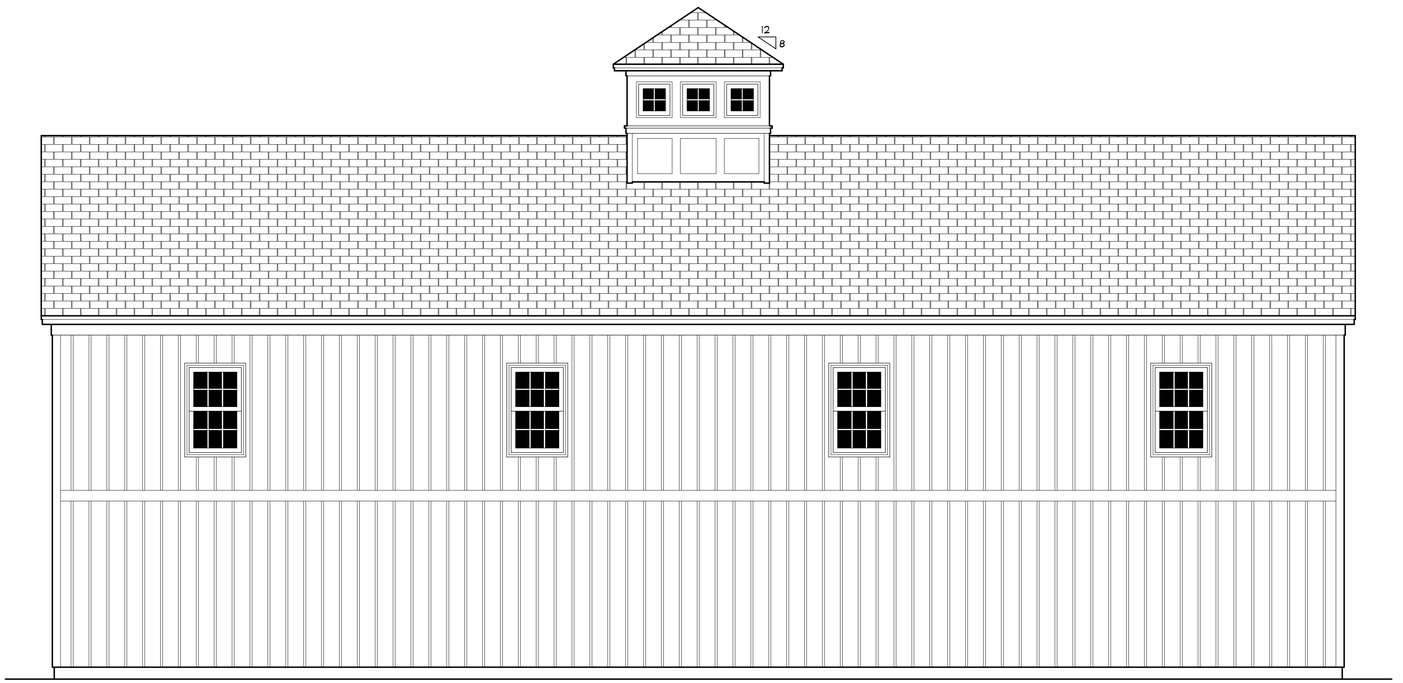
③ SIDE ELEVATION
SCALE 1/4"=1'0"



① FRONT ELEVATION
SCALE 1/4"=1'0"



④ SIDE ELEVATION
SCALE 1/4"=1'0"



② REAR ELEVATION
SCALE 1/4"=1'0"

M. MORELAND CONSTRUCTION
ARCHITECTURAL DESIGNER

S. BERWICK ME
03908
PH.207-752-2498

NOTES:

V.I.F. ALL DIMENSIONS

CONTRACTOR IS RESPONSIBLE FOR ALL FINISHED DIMENSIONS

CONTRACTOR IS RESPONSIBLE FOR MEETING ALL STATE & NATIONAL BUILDING CODES

LOCATION

DRAWN BY

SIGNATURE | DATE

DRAWING LIST

A-1	FIRST FLOOR
A-2	SECOND FLOOR PLAN
A-3	FOUNDATION PLAN
A-4	ELEVATIONS
A-5	FRAMING PLANS
A-6	SECTION & DETAILS

OWNER

PROJECT:

THE BARN

PROJECT NUMBER:

ISSUE	DATE
DESIGN	2-5-24

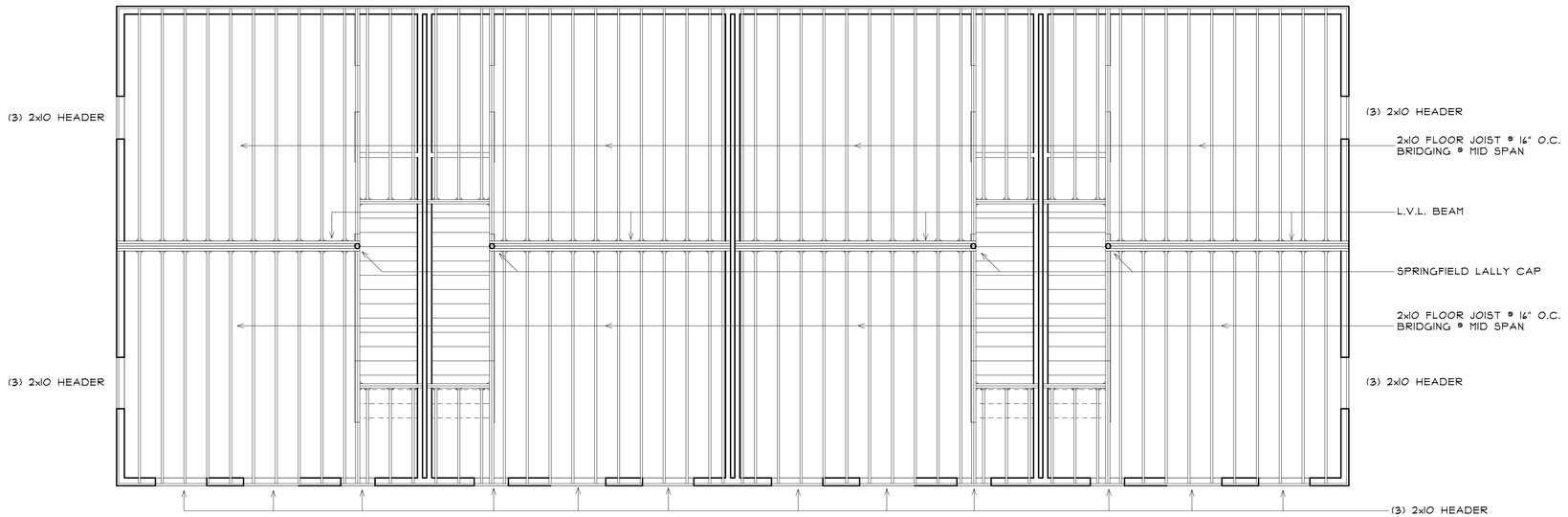
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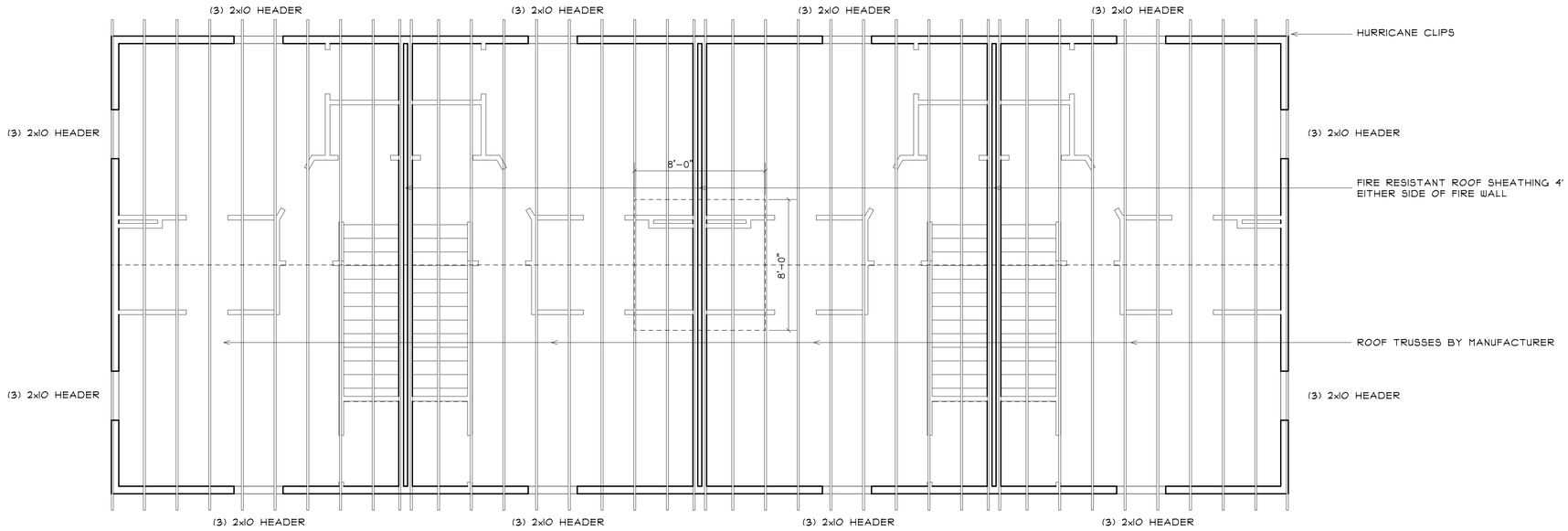
ELEVATIONS

A-4

THESE PLANS WERE NOT DRAWN BY A LICENSED ARCHITECT OR ENGINEER
M. MORELAND CONSTRUCTION TAKES NO RESPONSIBILITY IN THE STRUCTURAL OR LIFE SAFETY DETAILING IN THESE PLANS.
ALL WORK SHALL COMPLY TO ALL LOCAL, STATE, & NATIONAL BUILDING CODES



① SECOND FLOOR FRAMING PLAN
SCALE 1/4"=1'0"



② ROOF FRAMING PLAN
SCALE 1/4"=1'0"

M. MORELAND CONSTRUCTION
ARCHITECTURAL DESIGNER
S. BERWICK ME
03908
PH.207-752-2498

NOTES:
V.I.F. ALL DIMENSIONS
CONTRACTOR IS RESPONSIBLE FOR ALL FINISHED DIMENSIONS
CONTRACTOR IS RESPONSIBLE FOR MEETING ALL STATE & NATIONAL BUILDING CODES

LOCATION

DRAWN BY
SIGNATURE | DATE

DRAWING LIST

A-1	FIRST FLOOR
A-2	SECOND FLOOR PLAN
A-3	FOUNDATION PLAN
A-4	ELEVATIONS
A-5	FRAMING PLANS
A-6	SECTION & DETAILS

OWNER

PROJECT:
THE BARN

PROJECT NUMBER:

ISSUE	DATE
DESIGN	2-5-24

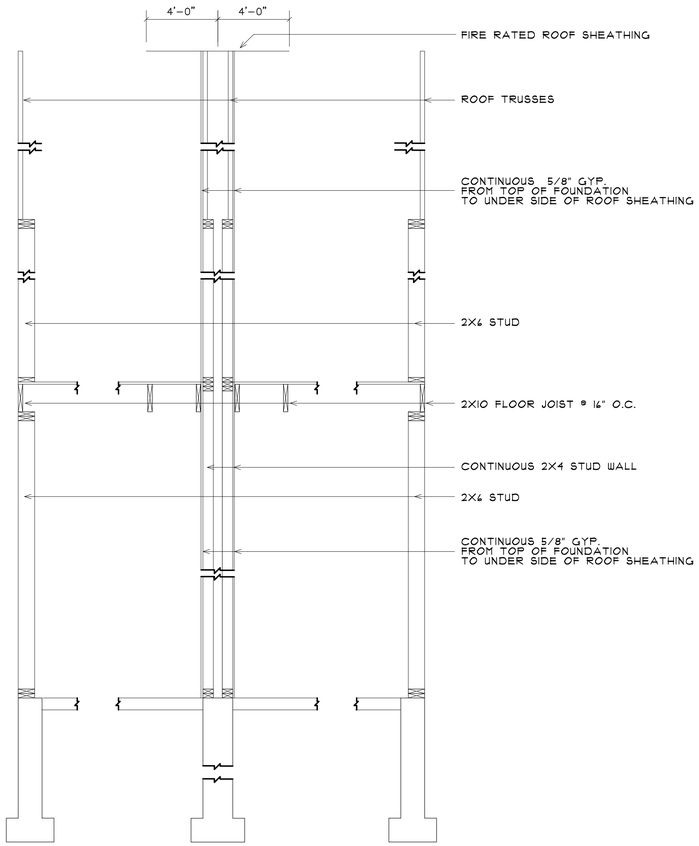
SCALE
1/4"=1'-0"
0 5 10

STAMP

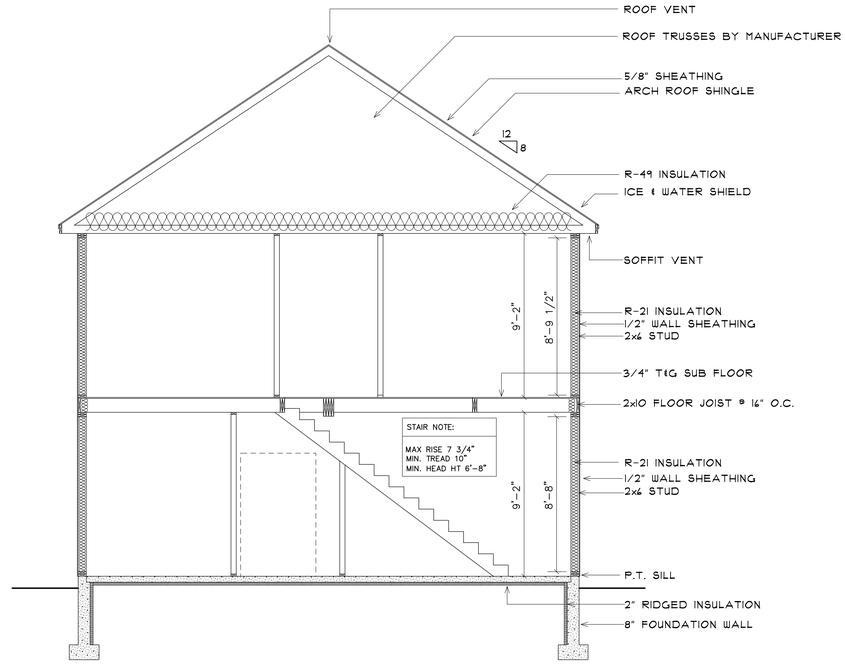
FRAMING PLANS

A-5

THESE PLANS WERE NOT DRAWN BY A LICENSED ARCHITECT OR ENGINEER
M. MORELAND CONSTRUCTION TAKES NO RESPONSIBILITY IN THE STRUCTURAL OR LIFE SAFETY DETAILING IN THESE PLANS.
ALL WORK SHALL COMPLY TO ALL LOCAL, STATE, & NATIONAL BUILDING CODES



② INT. FIRE WALL SEC.
SCALE 1/2"=1'0"



① SECTION
SCALE 1/4"=1'0"

M. MORELAND CONSTRUCTION
ARCHITECTURAL DESIGNER
S. BERWICK ME
03908
PH.207-752-2498

NOTES:
V.I.F. ALL DIMENSIONS
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LOCATION

DRAWN BY
SIGNATURE | DATE

DRAWING LIST

A-1	FIRST FLOOR
A-2	SECOND FLOOR PLAN
A-3	FOUNDATION PLAN
A-4	ELEVATIONS
A-5	FRAMING PLANS
A-6	SECTION & DETAILS

OWNER

PROJECT:
THE BARN

PROJECT NUMBER:

ISSUE	DATE
DESIGN	2-5-24

SCALE
1/4"=1'-0"
0 5 10

STAMP

SECTION

A-6













PLAN SNAPSHOT REPORT SITE-2024-0012
FOR CITY OF DOVER, N.H.

Plan Type:	Site Plan - Major	**Project:**		**App Date:**	08/15/2024
Work Class:	New Construction	**District:**	None	**Exp Date:**	NOT AVAILABLE
Status:	On Hold	**Square Feet:**	0.00	**Completed:**	NOT COMPLETED
Valuation:	$0.00	**Assigned To:**		**Approval Expire Date:**	

Description: The applicant proposes utilizing the City of Dover Transfer Development Rights (TDR) regulations to redevelop Map 19 Lot 8. The proposal calls for the conversion of the existing home into a duplex, the construction of an additional duplex and the construction of five (5) new single-family homes for a total of nine (9) units. The TDR Base Density Calculation provide for a Base Density of three (3)units, therefore, six (6) of these units will be obtained under the TDR regulations. The four (4) units located in the two (2) duplex buildings will be deed restricted to a Fair Market Rent (FMR) set by Housing Urban Development (HUD). The five (5) new single-family homes with be size restricted to maximum of 1400 square feet of total living space per unit. The TDR application also request relief from the thirty (30) foot buffer requirement and relief from the thirty (30) foot rear setback requirement. The Landscape Design provides for new screening as mitigation for this relief.

Parcel: 19008-000000 Main	**Address:** 103 Court St Main Dover, NH	**Zone:** R-12(Residential - Medium Density)

Engineer	Surveyor	Applicant	Applicant
Tritech Engineering Corp.	Tritech Engineering Corp.	Robert Baldwin	Tritech Engineering Corp.
755 Central Avenue	755 Central Avenue	242 CENTRAL AV	755 Central Avenue
Dover, NH 03820	Dover, NH 03820	DOVER, 03820	Dover, NH 03820
Business: (603) 742-8107	Business: (603) 742-8107	Home: (603) 986-2373	Business: (603) 742-8107
		Business: (603) 986-2373	
		Mobile: (603) 986-2373	

Plan Custom Fields

Total	0	Total2	0	Total3	0
Total4	0	Total5	0	Total6	0
Total7	0	Total8	0	Total9	0
Street Classification Type	Municipal	Net Change in # Parking Spaces (+/-)	16	Water Service	Municipal
Recording Number		Sewer Service	Municipal	Total Acres (GIS)	1.19
Deed Book	5172	Total SQFT	51836.4	Deed Page	55
Deed Date	03/15/2024	Proposed Property Use	The applicant proposes utilizing the City of Dover Transfer Development Rights (TDR) regulations to redevelop Map 19 Lot 8. The proposal calls for the conversion of the existing home into a duplex, the construction of an additional duplex and the construction of five (5) new single-family homes for a total of nine (9) units. The TDR Base Density Calculation provide for a Base Density of three (3)units, therefore, six (6) of these units will be obtained under the TDR regulations. The four (4) units located in the two (2) duplex buildings will be deed restricted to a		Fair Market Rent (FMR) set by Housing Urban Development (HUD). The five (5) new single-family homes with be size restricted to maximum of 1400 square feet of total living space per unit. The TDR application also request relief from the thirty (30) foot buffer requirement and relief from the thirty (30) foot rear setback requirement. The Landscape Design provides for new screening as mitigation for this relief.

PLAN SNAPSHOT REPORT (SITE-2024-0012)

Area of Parcel to be Developed (SQFT)	52000	Number of Parking Spaces Existing	2	Number of Parking Spaces Proposed	18
Number of Employees Total	0	Number of Employees in Max Shift	0	Distance to City Water	20
Distance to City Sewer	20	Type of Building to be Built	Wood Frame	Estimated Construction Value	1600000.00
Refuse Removal	Private	Is there an existing Conservation Easement?	No	Existing Conservation Easement Details	
TotalImpactFeeSDTOD	0.00	TotalImpactFeeTHTOD	0.00	TotalImpactFee23FTOD	0.00
TotalImpactFeeA4TOD	0.00	TotalImpactFeeMHTOD	0.00	TotalImpactFeeADUTOD	0.00
TotalImpactFeeAONRTOD	0.00	TotalImpactFeeAR55TOD	0.00	TotalImpactFeeAR62TOD	0.00
Sub Total Residential	0.00	TotalImpactFeeRIRCTOD	0.00	TotalImpactFeeOCSTOD	0.00
TotalImpactFeeITWCTOD	0.00	TotalImpactFeeNHALTOD	0.00	TotalImpactFeeOIUTOD	0.00
TotalImpactFeeAFAOTOD	0.00	Sub Total Non-Residential	0.00	Total of Impact Fees to be Assessed	0.00

Attachment File Name	Added On	Added By	Attachment Group	Notes
Signature_Robert_Stowell_8/15/2024.jpg	08/15/2024 11:52	Stowell, Robert		Uploaded via CSS
2024.09.05_PlanningTechnicalReviewCommittee.Agenda.pdf	08/27/2024 11:29	Blonigen, Rachel		TRC Agenda
2024.09.26_PlanningTechnicalReviewCommittee.Agenda.pdf	09/12/2024 16:14	Blonigen, Rachel		TRC Agenda
2024.09.26_PlanningTechnicalReviewCommittee.103Court_SITE-2024-0012.pdf	10/04/2024 12:06	Blonigen, Rachel		Approved TRC Minutes

Invoice No.	Fee	Fee Amount	Amount Paid
INV-00008987	Planning General Application Fee	$200.00	$200.00
	Total for Invoice INV-00008987	$200.00	$200.00
	Grand Total for Plan	**$200.00**	**$200.00**

Meeting Type	Location	Scheduled Date	Subject
Technical Review Committee Meeting v.1	City Hall, Second Floor Conference Room	09/05/2024	Technical Review Committee Meeting

Comments: Requires 2nd TRC

Submittal Name	Status	Received Date	Due Date	Complete Date	Resubmit	Completed
Land Use Plan Technical Review v.1	Requires Re-submit	08/27/2024	09/05/2024	09/06/2024	Yes	Yes

Item Review Name	Department	Assigned User	Status	Assigned Date	Due Date	Completed Date
Business Development	Business Development	Burdin, James	Requires Re-submit	08/27/2024	09/24/2024	09/06/2024

Comments: -Should duplex "B" units be relabeled as 3 & 4?
-The combination of architectural styles and use of the cottage court layout add visual interest to the site and maintain the look and feel of traditional New England development.
-Proximity of this site to RM-U zoning district mitigates the impacts of the extra density.

Item Review Name	Department	Assigned User	Status	Assigned Date	Due Date	Completed Date
City Engineer	Community Services - Engineering	Mavrogeorge, Kenneth	Requires Re-submit	08/27/2024	09/05/2024	09/06/2024

Item Review Name	Department	Assigned User	Status	Assigned Date	Due Date	Completed Date
Planning	Planning	Bassegio, Erin	Requires Re-submit	08/27/2024	09/24/2024	09/06/2024

Item Review Name	Department	Assigned User	Status	Assigned Date	Due Date	Completed Date
Zoning Administrator	Planning	Crouser, Paul	Requires Re-submit	08/27/2024	09/05/2024	09/06/2024

Item Review Name	Department	Assigned User	Status	Assigned Date	Due Date	Completed Date
IS Building Official	Planning / Inspection Services	Maxfield, Jim	Requires Re-submit	08/27/2024	09/05/2024	08/28/2024

Comments: Provide street name for the proposed priivate roadway

Item Review Name	Department	Assigned User	Status	Assigned Date	Due Date	Completed Date
Traffic Bureau	Police	Speidel, Marn	Requires Re-submit	08/27/2024	09/05/2024	09/06/2024

Submittal Name	Status	Received Date	Due Date	Complete Date	Resubmit	Completed
Land Use Plan Technical Review v.2	Requires Re-submit	09/12/2024	09/25/2024	11/01/2024	Yes	Yes

Item Review Name	Department	Assigned User	Status	Assigned Date	Due Date	Completed Date
Business Development	Business Development	Burdin, James	Requires Re-submit	09/12/2024	10/10/2024	09/26/2024

Comments: • The narrative says that the design is context-sensitive with the neighborhood and consistent with the master plan, but doesn't provide much analysis to support the claims. The following information would make it easier to evaluate compatible density vs. overdevelopment:
o Define the "surrounding area" for the purposes of evaluating density and visual character
o Provide density comparisons between the proposed development and surrounding area (units/acre, building massing, lot coverage, presence of duplexes, prevailing setbacks and/or separation of buildings, etc.)
o The narrative cites goals to increase housing supply, but has limited discussion of the Master Plan's vision for the future of this area in Dover.
• Many structures/areas of disturbance are within the TDR 30' no-cut-no-disturb area/still do not appear to have a visual buffer in place. If requesting a waiver, data suggestions above would also be important for evaluating waiver.
• Is there an opportunity to adapt the rear wing of the existing house or build the new duplex within the same footprint? If that is a viable solution it may improve both the architectural consistency and free up space to lessen buffer impacts.
• Review RSA 289:3 III for compliance – "no new construction, excavation, or building" within 25' of the boundary of an established cemetery.
• Plan orientation is not consistent across all sheets (e.g. both Court Street and the Cemetery appear on plan left on different sheets) – it is confusing the way it flips.

Item Review Name	Department	Assigned User	Status	Assigned Date	Due Date	Completed Date
City Engineer	Community Services - Engineering	Mavrogeorge, Kenneth	Requires Re-submit	09/12/2024	09/25/2024	11/01/2024

Comments: Project: SITE-2024-0012
TRC Meeting: 2024.09.20
Reviewer: Kenneth Mavrogeorge, PE – City Engineer
Checked by: Engineering Staff
General Comment:
- Condo Docs are provided. Please revise to include maintenance of private sewer and water systems.
- HOA fee breakdown:
o Show cost of routine pavement maintenance (crack sealing, striping, etc.).
o Is $1800 per year in maintenance for catch basin cleanings and basin O&M too low?
o $15000 for fence repair in year 30 seems low.
SP-7:
- Drainage trench does not meet City standards. Stone bedding and backfill are required.
SP-11:
- Sewer manhole detail is not consistent with the City standard. City of Dover uses plastic steps in SMHs.
SP-12:
- Sewer trench details need to show stone bedding and backfill above pipe to match the City standard.
TR-1:
- Fire truck movement into the site crosses over the curbing. Please revise.

Item Review Name	Department	Assigned User	Status	Assigned Date	Due Date	Completed Date
Planning	Planning	Bassegio, Erin	Requires Re-submit	09/12/2024	10/10/2024	11/01/2024

Item Review Name	Department	Assigned User	Status	Assigned Date	Due Date	Completed Date
Zoning Administrator	Planning	Crouser, Paul	Requires Re-submit	09/12/2024	09/25/2024	11/01/2024

Item Review Name	Department	Assigned User	Status	Assigned Date	Due Date	Completed Date
IS Building Official	Planning / Inspection Services	Maxfield, Jim	Requires Re-submit	09/12/2024	09/25/2024	11/01/2024

Comments: Farm Gate Drive is an acceptable private Drive name

Fire Department Comments:
TRC Fire Department Comments: 103 Court St.
Yard hydrant is no longer an issue as it has been changed to a fire service hydrant on a 6" main.
Truck 1 turning template is not within the confines of the curbed area in two locations and appears to get into a walkway in another.

Item Review Name	Department	Assigned User	Status	Assigned Date	Due Date	Completed Date
Traffic Bureau	Police	Speidel, Marn	Requires Re-submit	09/12/2024	09/25/2024	11/01/2024

Submittal Name	Status	Received Date	Due Date	Complete Date	Resubmit	Completed
Land Use Plan Technical Review v.3	In Review	11/01/2024	11/14/2024		No	No

Item Review Name	Department	Assigned User	Status	Assigned Date	Due Date	Completed Date
Business Development	Business Development	Burdin, James	In Review	11/01/2024	11/29/2024	

Item Review Name	Department	Assigned User	Status	Assigned Date	Due Date	Completed Date
City Engineer	Community Services - Engineering	Mavrogeorge, Kenneth	In Review	11/01/2024	11/14/2024	

Item Review Name	Department	Assigned User	Status	Assigned Date	Due Date	Completed Date
Planning	Planning	Bassegio, Erin	In Review	11/01/2024	11/29/2024	

Item Review Name	Department	Assigned User	Status	Assigned Date	Due Date	Completed Date
Zoning Administrator	Planning	Crouser, Paul	In Review	11/01/2024	11/14/2024	

Item Review Name	Department	Assigned User	Status	Assigned Date	Due Date	Completed Date
IS Building Official	Planning / Inspection Services	Maxfield, Jim	In Review	11/01/2024	11/14/2024	

Item Review Name	Department	Assigned User	Status	Assigned Date	Due Date	Completed Date
Traffic Bureau	Police	Speidel, Marn	In Review	11/01/2024	11/14/2024	

Workflow Step / Action Name	Action Type	Start Date	End Date
Review v.1		08/16/2024 9:52	
Confirm application complete v.1	Generic Action		08/16/2024 9:52
Technical Review Committee Meeting Agenda v.1	Task	08/16/2024 9:52	08/27/2024 11:29
Land Use Plan Technical Review v.1	Receive Submittal	08/27/2024 0:00	09/06/2024 13:17
Land Use Plan Technical Review v.2	Receive Submittal	09/12/2024 0:00	11/01/2024 11:37
Land Use Plan Technical Review v.3	Receive Submittal	11/01/2024 0:00	
Technical Review Committee Meeting v.1	Hold Meeting	08/27/2024 11:29	09/06/2024 13:17
Planning Board v.1			
Planning Board Agenda v.1	Task		
Invoice for Notices v.1	Task		
Send Notices v.1	Task		
Planner Creates Staff Recommendations v.1	Plan Activity		
Distribute Planning Board Materials v.1	Task		
Planning Board Hearing v.1	Hold Hearing		
Planning Board Decision v.1	Plan Activity		

PLAN SNAPSHOT REPORT (SITE-2024-0012)

NOD Sent to Applicant v.1	Create Report
Final Plan v.1	
Land Use Plan Stamped and Signed v.1	Generic Action
Recording v.1	Task
Document Archival v.1	Generic Action
Internal Notification of Plan Completion v.1	Generic Action
Building Official Notifies Address v.1	Generic Action
Pre-Con Meeting v.1	Hold Meeting
Create/Link to Records v.1	
Create / Link to Permit - Building Major v.1	Create Sub Permit
Create / Link to Permit - Site Work, Construction v.1	Create Sub Permit

CITY OF DOVER

TECHNICAL REVIEW COMMITTEE MINUTES – SITE-2024-0012

Application Type:	Site Review
Applicant(s):	5 Sherman Street, LLC
Owner(s):	5 Sherman Street, LLC
Location:	103 Court St. (Assessor's Map 19, Lot 8)
Date:	September 26, 2024

INTENT: Convert an existing home into a two-family dwelling, construct a second two-family dwelling, and construct an additional five (5) new single-family homes for a total of nine (9) dwelling units. *[This item was previously heard on Thursday, September 5, 2024]*

UNITS PROPOSED: Nine (9) units including one (1) existing unit and six (6) TDR units

AGENDA ITEM #: 1

ACREAGE: 1.20± ac.

ZONING DISTRICT: R-12

EXISTING LAND USE: Residential

PROPOSED LAND USE: Residential

SURROUNDING LAND USE: Residential, Cemetery

ZBA ACTION: None.

PERMITS REQUIRED: None.

WAIVERS REQUESTED: None.

ATTENDANCE:
Donna Benton, Planning
Paul Crouser, Zoning
Jim Maxfield, Inspection Services
Ken Mavrogeorge, Engineering
Marn Speidel, Police Department
James Burdin, Business Development
Tom Clark, Planning Board

Others:
Erin Bassegio, Assistant City Planner
Rob Baldwin, Applicant/Owner
Bob Stowell, Tritech Engineering

Approval of minutes from September 5, 2024:
J.Burdin moved to approve the September 5, 2024 minutes. Seconded by K. Mavrogeorge. Vote: U/A.

PLAN REVIEW:
Planning:

- *Reminder: Water and sewer investment fees*
- *Provide City of Dover letter to serve when received.*
- *Shrink common area or unit count to gain more than the 10' visual buffer. Narrative would be needed for TDR relief being sought from setback and buffer. However, seeing the density being sought is double what the base calculates out to be would indicate the buffers and setbacks should be met or unit request reduced.*
    - This comment has not been adequately addressed. Still seems to have too many units and not enough buffer area.
- *Internal parking aisleways w/ one entrance/exit must be 24' wide*
    - TRC response indicates a waiver has been submitted. Could not locate in materials.
- *Any additional screening planned behind cottage units?*
    - Visual buffer is needed behind cottage units in addition to existing fencing.
    - Provide more robust landscaping plan
- How do you ensure critters don't get into or attracted to the toters stored outside?
- Sight distance photo looking northwest should be taken from a ~1ft back. The photo seems to be taken from a spot where the front of the car would already be in the street.
- How do you ensure snow storage does not get pushed up again abutter's fence?
- The streetscape rendering doesn't seem to accurately show how tall the barn building is compared to the front dwelling.
- Show 25' cemetery line setback per RSA 289:3 III. No excavation can occur with that 25' buffer so stormwater and utilities will need to be adjusted.

Engineering:

- General Comment:
    - Condo Docs are provided. Please revise to include maintenance of private sewer and water systems.
    - HOA fee breakdown:
        - Show cost of routine pavement maintenance (crack sealing, striping, etc.).

  - Is $1800 per year in maintenance for catch basin cleanings and basin O&M too low?
  - $15000 for fence repair in year 30 seems low.
- SP-7:
  - Drainage trench does not meet City standards. Stone bedding and backfill are required.
- SP-11:
  - Sewer manhole detail is not consistent with the City standard. City of Dover uses plastic steps in SMHs.
- SP-12:
  - Sewer trench details need to show stone bedding and backfill above pipe to match the City standard.
- TR-1:
  - Fire truck movement into the site crosses over the curbing. Please revise.

Police:

- Sheet SP-2, notes C-19 and C-20: do these 2 pads serve the entire lot? Access to C-19 appears mostly obstructed by adjacent parking space.
- Label the "designated collection area" per the Trash Management Protocol - particularly if out at Court Street - or indicate if toters would simply be collected straight from the storage pads.
- RE: Sheet LI-1, Lighting Note 2: regarding the reference to timers and 10pm shutoff, is there any site lighting that this pertains to? Wall packs seem likely to be controlled by individual unit owners; would this impact any lighting of community space and/or parking areas?

Inspection Services:

- Farm Gate Drive is an acceptable private drive name.

Fire Department:

- Yard hydrant is no longer an issue as it has been changed to a fire service hydrant on a 6" main.
- Truck 1 turning template is not within the confines of the curbed area in two locations and appears to get into a walkway in another. See attached.

Business Development:

- The narrative says that the design is context-sensitive with the neighborhood and consistent with the master plan, but doesn't provide much analysis to support the claim. The following information would make it easier to evaluate compatible density vs. overdevelopment:
  - Define the "surrounding area" for the purposes of evaluating density and visual character
  - Provide density comparisons between the proposed development and surrounding area (units/acre, building massing, lot coverage, presence of duplexes, prevailing setbacks and/or separation of buildings, etc.)
  - The narrative cites goals to increase housing supply, but has limited discussion of the Master Plan's vision for the future of this area in Dover.
- Many structures/areas of disturbance are within the TDR 30' no-cut-no-disturb area/still do not appear to have a visual buffer in place. If requesting a waiver, data suggestions above would also be important for evaluating waiver.
- Is there an opportunity to adapt the rear wing of the existing house or build the new duplex within the same footprint? If that is a viable solution it may improve both the architectural consistency and free up space to lessen buffer impacts.
- Review RSA 289:3 III for compliance – "no new construction, excavation, or building" within 25' of the boundary of an established cemetery.
- Plan orientation is not consistent across all sheets (e.g. both Court Street and the Cemetery appear on plan left on different sheets) – it is confusing the way it flips.

Planning Board:

- *No comments.*

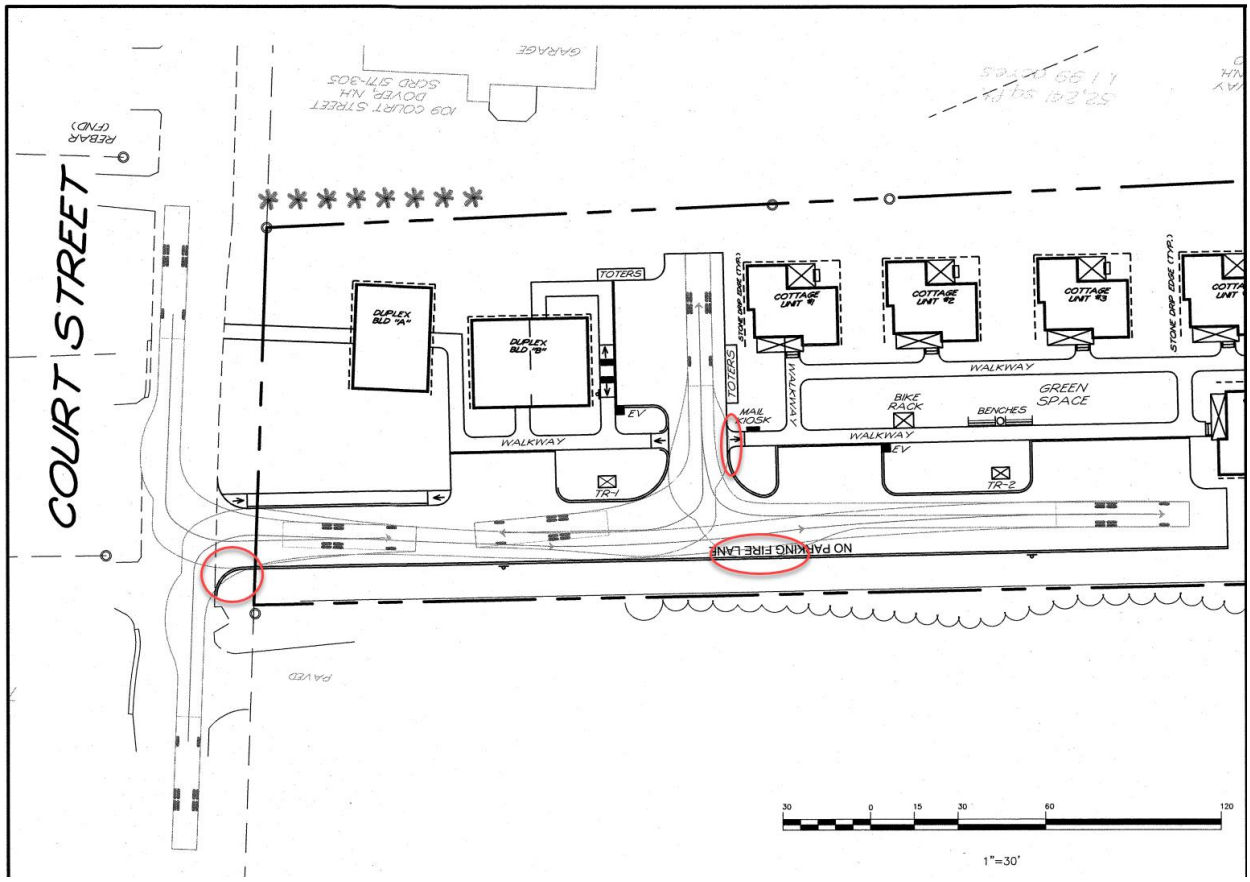
Next Steps: Revise plans per comments above and resubmit for subsequent TRC.

Adjournment: P. Crouser moved to adjourn the meeting at 11:25 a.m. Seconded by M. Speidel. Vote: U/A

CITY OF DOVER

TECHNICAL REVIEW COMMITTEE MINUTES – SITE-2024-0012

Application Type:	Site Review
Applicant(s):	5 Sherman Street, LLC
Owner(s):	5 Sherman Street, LLC
Location:	103 Court St. (Assessor's Map 19, Lot 8)
Date:	September 26, 2024



TRITECH
ENGINEERING CORPORATION

755 Central Avenue
Dover, New Hampshire 03820

Telephone 603.742.8107
Facsimile 603.742.3830

October 24, 2024

Donna Benton, AICP
Director of Planning & Community Development
City of Dover, Planning Department
288 Central Avenue
Dover, New Hampshire 03820

Subject: Technical Review Committee Response Letter #2
103 COURT STREET
Dover Tax Map 19 Lot 8
103 Court Street
Dover, New Hampshire
Job No. 24101
City of Dover Planning # Site-2024-0012

Dear Donna:

At their meeting on September 26, 2024 the Dover Technical Review Committee (TRC) offered the following comments. Our response to each of their comments are identified in blue text.

PLANNING

- *Reminder: Water and sewer investment fees.*

  The Applicant is aware of this requirement.

- *Provide City of Dover letter to serve when received.*

  The City Engineer indicated at the TRC meeting that he was preparing a letter to serve regarding city services.

- *Shrink common area or unit count to gain more than the 10' visual buffer. Narrative would be needed for TDR relief being sought from setback and buffer. However, seeing the density being sought is double what the base calculates out to be would indicate the buffers and setbacks should be met or unit request reduced.*
  - This comment has not been adequately addressed. Still seems to have too many units and not enough buffer area.

    The revised Site Plan provides a radical revision to the site layout. The unit count has been reduced by 2 units. The existing house will remain as a single-family home, which will utilize its existing utilities, trash collection and driveway. The new duplex has been moved slightly to more closely coincide with the existing barn foot print and will provide additional buffer to the east. These units will remain HUD restricted. Cottage #5 has been removed. The remaining cottages have been pushed to the west another 15 feet and completely out side of the 30-foot buffer.

    The aerial photographs from the City of Dover GIS shows that in 2005, 2010 and as recently as 2018 much of the property was maintained as field and much of the growth on site does not provide effective screening. The proposal still requests a waiver from the 30-foot perimeter buffer which will allow for clearing of the existing undergrowth and the installation of stockade fence with an additional vegetative screen.

- *Internal parking aisleways w/ one entrance/exit must be 24' wide*
  - TRC response indicates a waiver has been submitted. Could not locate in materials.

    Attached please find our waiver request for relief to this requirement.

- *Any additional screening planned behind cottage units?*
  - Visual buffer is needed behind cottage units in addition to existing fencing.

    The landscape plan has been revised with extra attention given to the area behind the cottages.

  - Provide more robust landscaping plan.

    The landscape plan has been revised with significantly more plantings.

- How do you ensure critters don't get into or attracted to the toters stored outside?

  The Applicant has updated the Trash Management Protocol (see attached).

- Sight distance photo looking northwest should be taken from a ~1ft back. The photo seems to be taken from a spot where the front of the car would already be in the street.

  The sight distance photographs were taken slightly closer to the travel way than normal due to existing vegetation on the site. We are comfortable that the photographs correctly demonstrates the sight distance.

- How do you ensure snow storage does not get pushed up against abutter's fence?

  This revised layout has moved the pavement / snow storage farther way from the lot line.

- The streetscape rendering doesn't seem to accurately show how tall the barn building is compared to the front dwelling.

  The applicant has revised the streetscape to be consistent with the site design.

- Show 25' cemetery line setback per RSA 289:3 III. No excavation can occur with that 25' buffer so stormwater and utilities will need to be adjusted.

  The revised layout complies with this statue. We have limited activity in this area to landscaping.

ENGINEERING

- General Comment:
  - Condo Docs are provided. Please revise to include maintenance of private sewer and water systems.

    The Applicant has updated the Home Owners Association (HOA) documents (see attached) to address the private sewer and water systems maintenance.

  - HOA fee breakdown:
    - Show cost of routine pavement maintenance (crack sealing, striping, etc.).

      The Applicant has updated the Home Owners Association (HOA) documents (see attached) to include these maintenance items.

    - Is $1800 per year in maintenance for catch basin cleanings and basin O&M too low?

      The Applicant has updated the Home Owners Association (HOA) documents (see attached) which adjusts this value.

- $15000 for fence repair in year 30 seems low.

  The Applicant has updated the Home Owners Association (HOA) documents (see attached) which adjusts this value.

- SP-7:
  - Drainage trench does not meet City standards. Stone bedding and backfill are required.

    This detail has been revised as requested.

- SP-11:
  - Sewer manhole detail is not consistent with the city standard. City of Dover uses plastic steps in SMHs.

    This detail has been revised as requested.

- SP-12:
  - Sewer trench details need to show stone bedding and backfill above pipe to match the city standard.

    This detail has been revised as requested.

- TR-1:
  - Fire truck movement into the site crosses over the curbing. Please revise.

    The revised layout address this concern.

POLICE

- Sheet SP-2, notes C-19 and C-20: do these 2 pads serve the entire lot? Access to C-19 appears mostly obstructed by adjacent parking space.

  The toter pads have been combined and relocated the rear of the site.

- Label the "designated collection area" per the Trash Management Protocol - particularly if out at Court Street - or indicate if toters would simply be collected straight from the storage pads.

  The toter pad has been identified on the plans as the "designated collection area".

- RE: Sheet LI-1, Lighting Note 2: regarding the reference to timers and 10pm shutoff, is there any site lighting that this pertains to? Wall packs seem likely to be controlled by individual unit owners; would this impact any lighting of community space and/or parking areas?

  The lighting note has been revised to indicated that the pole lights only will be controlled by the timers / 10 pm shutoff.

INSPECTION SERVICES

- Farm Gate Drive is an acceptable private drive name.

  The revised plan have noted Farm Gate Drive as the name of the proposed driveway.

FIRE DEPARTMENT

- Yard hydrant is no longer an issue as it has been changed to a fire service hydrant on a 6" main.

  Addressed, thank you.

- Truck 1 turning template is not within the confines of the curbed area in two locations and appears to get into a walkway in another. See attached.

  The revised layout address this concern.

BUSINESS DEVELOPMENT

- The narrative says that the design is context-sensitive with the neighborhood and consistent with the master plan, but doesn't provide much analysis to support the claim. The following information would make it easier to evaluate compatible density vs. overdevelopment:
  - Define the "surrounding area" for the purposes of evaluating density and visual character

    The applicant has updated the TDR Narrative to address this comment (see attached).

  - Provide density comparisons between the proposed development and surrounding area (units/acre, building massing, lot coverage, presence of duplexes, prevailing setbacks and/or separation of buildings, etc.)

    The applicant has updated the TDR Narrative to address this comment (see attached).

  - The narrative cites goals to increase housing supply, but has limited discussion of the Master Plan's vision for the future of this area in Dover.

    The applicant has updated the TDR Narrative to address this comment (see attached).

- Many structures/areas of disturbance are within the TDR 30' no- cut-no-disturb area/still do not appear to have a visual buffer in place. If requesting a waiver, data suggestions above would also be important for evaluating waiver.

  The unit count has been reduced by 2 units. The new duplex has been moved slightly to more closely coincide with the existing barn foot print and will provide additional buffer to the east. Cottage #5 has been removed. The remaining cottages have been pushed to the west another 15 feet and completely out side of the 30-foot buffer.

  The aerial photographs from the City of Dover GIS shows that in 2005, 2010 and as recently as 2018 much of the property was maintained as field and much of the growth on site does not provide effective screening. The proposal still requests a waiver from the 30-foot perimeter buffer which will allow for clearing of the existing undergrowth and the installation of stockade fence with an additional vegetative screen.

- Is there an opportunity to adapt the rear wing of the existing house or build the new duplex within the same footprint? If that is a viable solution it may improve both the architectural consistency and free up space to lessen buffer impacts.

  The new duplex has been moved slightly to more closely coincide with the existing barn foot print and will provide additional buffer to the east.

- Review RSA 289:3 III for compliance – "no new construction, excavation, or building" within 25' of the boundary of an established cemetery.

  The revised layout comply with this statue. We have limited activity in this area to landscaping.

- Plan orientation is not consistent across all sheets (e.g., both Court Street and the Cemetery appear on plan left on different sheets) – it is confusing the way it flips.

  The site plans (designated as SP-) follow conventional drafting standard with North pointing up the page or to the right of the page.
  The construction plans (designated as C-) follow conventional road design standard with the roadway stationing increasing form left to right.

UPDATED TDR REQUEST

The applicant proposes utilizing the City of Dover Transfer Development Rights (TDR) regulations to redevelop Map 19 Lot 8. The proposal calls for the existing home to remain, the construction of a duplex and the construction of four (4) new single-family homes for a total of seven (7) units. The TDR Base Density Calculation provide for a Base Density of three (3) units, therefore, four (4) of these units will be obtained under the TDR regulations. The existing house is proposed to remain and will be an unrestricted unit. The two (2) units located in the duplex building will be deed restricted to a Fair Market Rent (FMR) set by Housing Urban Development (HUD). The four (4) new single-family homes with be size restricted to maximum of 1400 square feet of total living space per unit. The TDR application still requests relief from the thirty (30) foot buffer requirement. The Landscape Design provides for new screening as mitigation for this relief.

PROJECT SUBMITTAL

Attached please find the supporting documentation:

- Five (5) Copies of this TRC Response Letter.
- Five (5) Copies of the Revised Site Development Plan set.
- Five (5) Copies of the Revised Color Renderings and Streetscape.
- Five (5) Copies of the Waiver Request (driveway width).
- Five (5) Copies of the Updated Home Owners Association (HOA) documents.
- Five (5) Copies of the Updated Transfer Development Rights (TDR) Narrative.
- Five (5) Copies of the Updated Trash Management Protocol.
- One (1) Copy of the Revised Stromwater Analysis.

We look forward to meeting with the Technical Review Committee (TRC) at their next available meeting and discussing these revised development plans.

Please advise should you have any questions.

Very truly yours,
TRITECH ENGINEERING CORP.

Robert J. Stowell, P.E., L.L.S.
President

RJS / cmp
Enclosures
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NARRATIVE

TRANSFER OF DEVELOPMENT RIGHTS (TDR) APPLICATION

The subject property at 103 Court Street is located in the R-12 zone, adjacent to the RMU zone at the rear and bordered by the Residential Multi Use Zone (RM-U). While long ago the property was once maintained and contributed positively to the neighborhood, it has since fallen into disrepair. The house and outbuildings are in poor condition, and the landscaping has become overgrown, obscuring the structures on the site.

Our design proposal seeks to transform this neglected property into a vibrant backyard cottage oasis, enhancing both the neighborhood and housing availability. From Court Street, the development will appear as a traditional New England home with a barn, maintaining the aesthetic charm common in towns like Dover. The barn will serve as an innovative space for additional HUD Restricted units while helping to screen the backyard cottages from street view.

Design and Community Focus

The cottages are designed to meet the needs of a diverse group of residents, including those looking to downsize, new families, and recently married couples. Each cottage is approximately 1,400 square feet, featuring a first-floor primary bedroom, two additional bedrooms upstairs, a private back deck, and integrated community spaces. Close proximity to the urban core and associated community services will help promote vibrant participation in the community.

Addressing Housing Needs

This project aligns with Dover's Master Plan, particularly the vision of "facilitating a balanced supply of safe and attractive housing for individuals and families of all incomes." Our intent is to redevelop the site using the Transfer of Development Rights (TDR) mechanism, which allows us to create a housing solution that meets the city's goals while respecting the site's characteristics.

Dover, like many municipalities, is facing a shortage of housing across all affordability levels, especially in what is commonly referred to as the "Missing Middle"—smaller-scale, higher-density housing. Our proposal for a pocket neighborhood offers a solution by increasing density on a smaller footprint, prioritizing walkability, low-impact development, and affordability. This type of development is explicitly encouraged in the city's Master Plan.

Supporting Dover's Master Plan

The proposed development aligns with the following key elements of Dover's Master Plan:

- **High quality, low impact growth:** This project supports responsible development, preserving the city's rural areas while concentrating residential and commercial activity near the urban core.
- **Downtown vibrancy:** By creating a walkable, family- and pet-friendly neighborhood, this project contributes to Dover's vision of an inviting and lively downtown area.
- **Diversity of housing options:** Our proposal supports the city's goal of providing housing for people of various ages, incomes, and backgrounds.

Zoning Compatibility

The Backyard Cottage Concept fits within zoning intent, maintains the neighborhood's aesthetic, and provides compatible housing that supports the broader community's goals.

- **Zoning Transition**: The property borders the RMU zone along its 160-foot rear property line, where higher density (one unit per 2,500 sq. ft.) is permitted. This project respects the transition between the higher-density RMU zone and the medium-density residential R-12 zone by incorporating smaller scale single-family homes and duplexes, both of which are permitted uses in the R-12 zone.
- **Compatible Land Use**: The proposed single-family homes and duplexes are fully compatible with the neighboring land uses and align with the existing character of the area. These housing types are typical in the R-12 zone and provide a smooth transition between the adjacent zones.
- **Preservation of Streetscape Aesthetics**: The development will maintain the aesthetic character along the Court Street corridor, ensuring consistency with the existing R-12 streetscape. The streetscape mirrors the scale and visual qualities of neighboring lots, preserving the traditional look and feel of the area.
- **Observations of Surrounding Parcels**: As is typical of areas transitioning from one zone to another, we find characteristics of both the RMU zone and R-12 zone within the immediate vicinity of the subject parcel. These characteristics provide a denser streetscape than what is found further down Court Street. Observations of these characteristics include:
    - Majority of the homes within the immediate vicinity just meet the minimum setback requirements of 15ft for the zone. Several have less than the 15ft.
    - Homes immediately across the street have less than the required frontage requirement for the zone.
    - A parcel within 165' has 59 units on 6 acres. Units consist of a mix of duplexes and 4 unit buildings.

- 17 Homes deeper into the R12 Zone off Elm View Circle all have lot sizes less than 6,000sqft.





Affordable Housing and TDR Benefits

We propose that 3 out of the 7 units be deed-restricted to HUD Fair Market Rent (FMR) levels in perpetuity, making them affordable to a range of income levels. The TDR ordinance not only helps conserve land in ecologically sensitive areas but also enables developers to offer more attainable housing through increased density. The cottages will be restricted to 1400sqft with the intent of limiting their value relative to the market. This limitation encourages a reduced price point in the new housing stock that wouldn't exist otherwise. This backyard cottage concept exemplifies the advantages of the TDR ordinance. For instance, a neighboring development without TDR is building three homes priced over a million dollars each, whereas our proposal, with TDR, allows for a more affordable and diverse housing option.

Conclusion

I believe that developing smaller, cottage-style single-family homes with a 42% affordable housing component will create a more appealing and cohesive neighborhood—one that provides a balanced supply of safe and attractive housing for individuals and families across a range of incomes.

While the economics of this model necessitate an increase in density, I am hopeful that the thoughtful design and the strong community benefits it offers fully justify the additional cottages.

We appreciate the board's consideration of our proposal and trust that you will agree that the location and design merit the use of Transfer of Development Rights to realize this vision for 103 Court Street.

Thank you for your time and consideration.

Regards,

Robert Baldwin

(603) 986-2373

NARRATIVE KEY POINTS

Aesthetic and Design Intent:

- The property is currently in disrepair, and the project aims to transform it into an asset for the community.
- The design mimics the appearance of a traditional New England home with a barn, which disguises the backyard cottage community from street view.
- The cottage houses will be designed to cater to diverse owners, including those downsizing, new families, and recently married couples. Each house is about 1,400 square feet, with a primary floor and additional bedrooms upstairs.

Community and Social Intent:

- The development is designed with a community-focused layout, where the cottages face a central court.
- The court will serve as a communal gathering space, with features such as a large outdoor fireplace, creating a space that fosters social interaction and family activities.

Addressing Housing Needs:

- The proposal directly addresses the "Missing Middle" housing issue by creating a pocket neighborhood that promotes increased density on a smaller footprint.
- By incorporating walkability and low-impact development principles, this proposal supports Dover's Master Plan themes of high-quality growth and preserving rural areas while focusing on urban development.

Use of TDR and Affordability:

- The Transfer of Development Rights (TDR) is used to increase density and provide affordable housing. Specifically, 4 of the 9 units will be deed-restricted to HUD Fair Market Rent (FMR) levels in perpetuity.

- Each of the Cottages will be limited to 1400sqft to encourage a lower price point in relation to other new housing stock.
- The proposal supports the city's goal to provide housing diversity by offering a range of affordable options in contrast to more expensive developments nearby.

Alignment with Dover's Master Plan:

- The project aligns with the city's goals, as outlined in its Master Plan, which includes promoting walkable, family-friendly, and diverse neighborhoods.
- The design supports the city's vision of vibrant downtown areas and balanced growth by focusing commercial and residential activity near the urban core.

Zoning Compatibility

- **Zoning Transition**: The property borders the RMU zone along its rear 160-foot line, which allows higher density (one unit per 2,500 sq. ft.). The proposed use respects the zoning transition by offering single-family homes and duplexes, consistent with the R-12 zone.
- **Compatible Land Use**: Single-family homes and duplexes are compatible with neighboring land uses and typical in the R-12 zone, ensuring smooth integration with adjacent properties.
- **Preservation of Streetscape**: The development will maintain the existing streetscape aesthetic along Court Street, mirroring the architectural scale and traditional feel of other lots in the R-12 zone.

WAIVER REQUEST

Site Review Regulations §153-14.D.6(a) &(c)
Parking Lot Design Standards

for

103 COURT STREET

103 Court Street
Dover, New Hampshire
September 2024

In accordance with Site Review Regulations Article 153.21.A, Waiver, the applicant formally requests a waiver from Section 153-14.D.6 (a) & (c) regarding the parking lot design standards for aisle width.

The 103 COURT STREET development project consists of driveways for access & parking for the proposed 9-unit development. We have proposed 20-foot-wide travel ways / aisle ways where 153-14.D.6(a) requires an aisle width of 22 feet and 153-14.D.6(b) requires an aisle width of 24 feet.

153.21 Waivers

A. The PLANNING BOARD may waive specific provisions of this Chapter. The PLANNING BOARD may only grant a waiver if the PLANNING BOARD finds, by majority vote, that:

(1) Strict conformity would pose an unnecessary hardship to the APPLICANT and the waiver would not be contrary to the spirit and intent of the regulations; or

The spirit and intent of the regulation is to provide safe access the residents and guest of the proposed project. We respectfully submit that the 20-foot-wide pavement width with an adjacent 5-foot-wide sidewalk will achieve this intent. Our Traffic-Assessment Memorandum calculated weekday vehicle-trips due to the project as:

- ***daily, 67 (total of in and out)***
- ***AM-street-peak hour, 6 (1 in and 5 out)***
- ***PM-street-peak hour, 6 (3 in and 3 out)***

A 20-foot-wide travel way is more than adequate for the 6 peak hour trip generated by the proposed development. American Association of State Highway and Transportation Officials (AASHTO), A Policy on Geometric Design of Highways and Street, 7th Edition (Washington, DC, 2018) allows for Urban Local Street to have a lane width of Nine (9) feet. The project proposal is for a "Pocket Neighborhood" has an emphasis on pedestrians. We have provided sidewalks for internal walking as well as connection to the new sidewalks that will be constructed on Court Street next year.

(2) Specific circumstances relative to the subdivision, or conditions of the land in such site plan, indicate that the waiver will properly carry out the spirit and intent of the regulations.

The spirit and intent of the regulation is to provide safe access the residents and guest of the proposed project. We respectfully submit that the 20-foot-wide pavement width with an adjacent 5-foot-wide sidewalk will achieve this intent. A 20-foot-wide travel way is more than adequate for the 6 peak hour trip generated by the proposed development. American Association of State Highway and Transportation Officials (AASHTO), A Policy on Geometric Design of Highways and Street, 7th Edition (Washington, DC, 2018) allows for Urban Local Street to have a lane width of Nine (9) feet. The project proposal is for a "Pocket Neighborhood" has an emphasis on pedestrians. We have provided sidewalks for internal walking as well as connection to the new sidewalks that will be constructed on Court Street next year.

TRASH MANAGEMENT PROTOCOL
BACKYARD COTTAGE CONDOMINIUM ASSOCIATION

Introduction
The following protocol outlines the procedures and guidelines for trash management within the Backyard Cottage Condominium Association. Each unit will be provided with one designated trash bin (toter), and a private trash collection service will pick up the bins on a weekly basis. This protocol is intended to maintain cleanliness, ensure timely trash collection, and minimize disruption to residents while preventing critter-related issues.

---

1. Trash Bins

1. **Designated Bins**:
   Each unit will be provided with one trash bin. The bins are the property of the HOA and are to be used exclusively for the disposal of household waste.
2. **Bin Identification**:
   All bins will be clearly marked with unit numbers or addresses to ensure they remain associated with the correct unit. Unit owners are responsible for keeping their bins in good condition and free from graffiti or damage.
3. **Replacement of Bins**:
   If a trash bin is lost, stolen, or damaged beyond normal wear and tear, the unit owner must report this to the HOA. The HOA will coordinate with the trash collection service to provide a replacement bin. Any replacement cost due to negligence or improper care may be charged to the unit owner.

---

2. Trash Pickup Schedule

1. **Pickup Day**:
   The designated trash collection service will pick up trash bins once a week. The specific day of the week for pickup will be determined by the HOA and communicated to all unit owners.
2. **Time for Placement of Bins**:
   Bins should be placed at the curb or in the designated pickup area no earlier than 6:00 PM the evening before the scheduled collection day, and no later than 7:00 AM on the day of collection.
3. **Bin Retrieval**:
   After collection, bins must be returned to each unit's designated storage area by 8:00 PM on the day of pickup. Bins left on the curb or in common areas beyond this time may result in fines or penalties as outlined in the HOA rules.

---

3. Trash Bin Storage and Placement

1. **Designated Storage Areas**:
   When not in use, trash bins must be stored in each unit's designated storage area, or designated exterior area.

2. **Proper Placement for Pickup**:
   On pickup days, bins must be placed in the designated collection area (curb or driveway entrance) in a way that does not obstruct pedestrian pathways, driveways, or roadways. Ensure that lids are closed to prevent spillage.

3. **Overflow Trash**:
   Trash should fit within the bin with the lid closed. Overflow trash, extra bags, or large items placed beside the bin will not be collected unless special arrangements have been made with the trash collection service. Unit owners are responsible for arranging bulk trash pickup if needed.

---

4. Preventing Critter Access to Trash Bins

1. **Securing Lids**:
   To prevent critters such as raccoons, rodents, and other animals from accessing the trash, lids must be tightly secured after each use. Ensure the lid is closed completely, especially when bins are stored outside.

2. **Using Critter-Proof Bins or Latches**:
   If critter activity is an issue, the HOA may suggest or require the use of critter-proof bins or latches to secure the lids. Unit owners should consider purchasing clips or other mechanisms to make their bins more secure if necessary.

3. **Smell Reduction**:
   To reduce odors that may attract animals, trash should be placed in sealed bags before being put into the bin. Avoid placing food waste directly into the bin without being properly bagged.

4. **Location of Storage**:
   Bins stored outside should be placed in a location that is less visible or accessible to critters, such as a side yard or an enclosed area. If possible, bins should be kept in a garage or other secure structure.

---

5. Acceptable and Non-Acceptable Waste

1. **Acceptable Waste**:
   - General household waste.
   - Non-hazardous materials.
   - Bagged waste to prevent spillage.

2. **Non-Acceptable Waste**:
    - Hazardous materials (chemicals, batteries, paint, etc.).
    - Construction debris or large bulk items (e.g., furniture, appliances).
    - Yard waste or recyclables (if not covered by the trash collection service).
    - Sharp objects or medical waste not properly contained.

Unit owners must adhere to the guidelines provided by the trash collection service regarding the types of waste that are permitted for collection. Improper disposal of hazardous or restricted materials will result in fines and may lead to a suspension of trash services for the responsible unit.

BACKYARD COTTAGE CONDOMINIUM ASSOCIATION BUDGET

Yearly Operating Budget (Sample Year 1)

Category	Annual Amount
Income	
Monthly HOA Fees (7 units x $333.33 x 12)	$28,400.00
Total Income	$28,400.00

Expenses
Maintenance & Operations |
Landscaping (mowing, trimming, etc.) | $5,000.00
Snow Removal | $3,500.00
Trash Collection | $3,000.00
Stormwater System Maintenance | $3,200.00
Minor Repairs & Maintenance | $1,800.00
Routine Pavement Maintenance (Striping, Crack Sealing, etc.) | $1,000.00
Insurance (common areas) | $3,000.00
Administrative Costs (accounting, etc.) | $1,000.00
Legal/Professional Services | $1,000.00
Reserve Fund Contribution | $5,900.00
Total Expenses | $28,400.00

Reserve Fund for Infrastructure Replacement

Assumptions:
• Infrastructure components (roofing, roads, stormwater system, major landscaping) will need major replacement at Year 30.
• Estimated total cost of infrastructure replacement in Year 30: $185,000.00.
• Reserve contributions increase at a 2% inflation rate annually to adjust for rising costs.
• Interest earned on the reserve fund is not considered in this basic budget.

Year 1 Contribution to Reserve Fund
The Reserve Fund begins with an initial contribution of $5,900 annually (due to the 7 units contributing), growing over time with contributions increasing to match the projected total replacement costs.

Annual Reserve Contribution:

Year	Annual Contribution	Cumulative Reserve Fund Balance
Year 1	$5,900.00	$5,900.00

Year	Annual Contribution	Cumulative Reserve Fund Balance
Year 2	$6,018.00	$11,918.00
Year 3	$6,138.36	$18,056.36
Year 4	$6,261.13	$24,317.49
Year 5	$6,386.35	$30,703.84
Year 6	$6,514.08	$37,217.92
Year 7	$6,644.37	$43,862.29
Year 8	$6,777.26	$50,639.55
Year 9	$6,912.81	$57,552.36
Year 10	$7,051.07	$64,603.43
Year 11	$7,192.09	$71,795.52
Year 12	$7,335.93	$79,131.45
Year 13	$7,482.64	$86,614.08
Year 14	$7,632.29	$94,246.37
Year 15	$7,784.93	$102,031.30
Year 16	$7,940.63	$109,971.93
Year 17	$8,099.44	$118,071.37
Year 18	$8,261.43	$126,332.80
Year 19	$8,426.66	$134,759.46
Year 20	$8,595.19	$143,354.65
Year 21	$8,767.10	$152,121.74
Year 22	$8,942.44	$161,064.18
Year 23	$9,121.29	$170,185.47
Year 24	$9,303.71	$179,489.19
Year 25	$9,489.78	$188,978.97

Year	Annual Contribution	Cumulative Reserve Fund Balance
Year 26	$9,679.58	$198,658.55
Year 27	$9,873.17	$208,531.71
Year 28	$10,070.63	$218,602.34
Year 29	$10,272.04	$228,874.38
Year 30	$10,477.48	$239,351.86

By Year 30, the reserve fund will have accumulated approximately $239,351.86, which exceeds the estimated infrastructure replacement cost of $185,000. This allows for additional flexibility in case of cost overruns or unanticipated repairs.

Infrastructure Components Requiring Replacement at Year 30:

1. Roofing for Duplexes and Common Buildings
   Estimated replacement cost: $40,000.00
2. Roads and Pathways
   Estimated resurfacing and repair cost: $50,000.00
3. Stormwater Management Systems
   Includes repair or replacement of drainage systems, stormwater ponds, and bioswales. Estimated replacement cost: $30,000.00
4. Major Landscaping Renovation
   Includes replacement of trees, shrubs, and repair of common green areas. Estimated replacement cost: $15,000.00
5. Other Infrastructure (e.g., fencing, lighting, sidewalks)
   Estimated replacement cost: $50,000.00

Summary of Budget Key Points:
• The monthly HOA fee of $333.33 per unit generates enough revenue to cover ongoing expenses and contribute to the reserve fund.
• The reserve fund is set up to accumulate over 30 years to cover major infrastructure replacement costs.
• The annual reserve fund contribution increases by 2% each year to account for inflation and rising costs.
• The budget allows for flexibility and ensures long-term financial sustainability for the Backyard Cottage Condominium Association.

STORMWATER ANALYSIS

and

Erosion & Sediment Control Plan

NARRATIVE

for

103 COURT STREET

103 Court Street
Dover, New Hampshire
August 2024
October 2024

PREPARED FOR

5 SHERMAN STREET, LLC

242 CENTRAL AVE
DOVER, NEW HAMPSHIRE 03820

PREPARED BY

TRITECH ENGINEERING CORPORATION

755 CENTRAL AVENUE
DOVER, NEW HAMPSHIRE 03820

STORMWATER ANALYSIS

and

Erosion & Sediment Control Plan

NARRATIVE

for

103 COURT STREET

103 Court Street
Dover, New Hampshire
August 2024
October 2024

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STORMWATER ANALYSIS

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STORMWATER ANALYSIS

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Erosion & Sediment Control Plan

NARRATIVE

for

103 COURT STREET

103 Court Street
Dover, New Hampshire
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SECTION I

NARRATIVE

STORMWATER ANALYSIS

and

Erosion & Sediment Control Plan

NARRATIVE

for

103 COURT STREET

103 Court Street
Dover, New Hampshire
August 2024
October 2024

1. PROJECT DESCRIPTION

The attached Site Plans are for 5 Sherman Street, LLC and show the development of an approximately 1.199-acre parcel with an existing single family house. This site is located on the Southernern side of Court Street in Dover, New Hampshire. The site is identified on Dover Property as Map 19 Lot 8.

The development of this site will include the renovation of the single family existing house as well as the construction of a duplex structure. This duplex (2 units) will be HUD rent restricted and will be obtained under the Transfer Development Rights (TDR) ordinance. The development will include the construction of 4 single family size restricted homes. These homes will be constructed under the TDR ordinance. 3 base units and the purchase of 2 size restricted units. The development will include associated infrastructure such as an access road, all utilities, and stormwater management.

Included in the stormwater management system is the construction of a Bioretention Area. The Bioretention Area is shown on the construction plans and provide permanent stormwater quality and quantity treatment, prior to the stormwater exiting the site.

Proposed site development details are shown on the Site Plan and Construction Plans for 5 Sherman Street, LLC as prepared by Tritech Engineering Corporation. Site and Construction plans are based upon an actual on-ground survey performed by Tritech Engineering Corporation, and on-site Wetland & Site Specific Soil delineation performed by Highland Soil Services.

2. METHODOLOGY

This stormwater runoff analysis and drainage design was accomplished using SCS TR-20 Methodology a third party computer software program was used in the facilitation of this analysis. This software is HydroCAD Stormwater Modeling System Version 10.20-5b, by Applied Microcomputer Systems. Analysis and design were performed for the Two-Year, Ten-Year, Twenty-Five Year and Fifty Year Storm Events.

STORMWATER ANALYSIS

and

Erosion & Sediment Control Plan

NARRATIVE

for

103 COURT STREET

103 Court Street
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October 2024

3. STORMWATER HYDROLOGIC REVIEW

EXISTING CONDITIONS

Table A – Existing Conditions (2, 10, 25, and 50-year storm events)

Watershed	**Pre Development Volume (af)**	**Pre-Development Peak Flows (cfs)**			
Analysis Point	**2-yr**	**2-yr**	**10-yr**	**25-yr**	**50-yr**
1	0.111	0.90	2.17	3.27	4.37

DEVELOPED CONDITIONS

Table B – Developed Conditions (2, 10, 25, and 50-year storm events)

Watershed	**Post Development Volume (af)**	**Post Development Peak Flows (cfs)**			
Analysis Point	**2-yr**	**2-yr**	**10-yr**	**25-yr**	**50-yr**
1	0.181	0.82	2.17	3.01	4.32

HYDROLOGIC COMPARISON

Table C – Pre/Post Development Comparison (2, 10, 25, and 50-year storm events)

Watershed	**Pre/Post Development Volume (af)**	**Pre/Post Development Peak Flows (cfs)**			
Analysis Point	**2-yr**	**2-yr**	**10-yr**	**25-yr**	**50-yr**
1	0.111/**0.181**	0.90/**0.82**	2.17/**2.17**	3.27/**3.01**	4.37/**4.32**

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4. STORMWATER RUNOFF QUALITY

Stormwater runoff from the site is collected in a system of open drainage swales, yard drains and catch basins, pretreated via deep sump catch basins and stormtech chambers, and treated, detained, and infiltrated via the Bioretention areas.

5. CONCLUSIONS

Treatment of drainage occurs in deep sump catch basins, stormtech chambers and Bioretention Practices. This Stormwater Management System effectively treats and detains the runoff from the Site Development, while maintaining the down gradient water quality through treatment.

The development of this project will result in no adverse impacts to downstream properties.

6. SOIL TYPES

Soils consist almost entirely of moderately well drained silty marine deposits. There is a small area of similar soils that are somewhat poorly drained in the NW corner and some well drained to somewhat excessively drained sandy outwash at the southerly property line. The house sets on a small leveled area of urban land.
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7. RAINFALL DATA

As part of the 2007 Alteration of Terrain rules update, New Hampshire began using “extreme precipitation” in lieu of the previously accepted standard UDSA SCS rainfall distribution.

We have used the interactive web tool for extreme precipitation analysis published by Cornell University. On March 7, 2024, we submitted our site location (longitude 70.868° West, Latitude 43.187° North). A table with the resulting rainfall data is provided in the appendix.

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8. WETLANDS & SITE SPECIFIC SOILS MAP

Highland Soil Services, Michael Mariano, Certified Wetland #183 and Soil Scientist #76, conducted an on site wetlands deliniation investigation of the subject parcel. There are no wetlands located on the site. Highland Soil Services also completed a site-specific soil survey, the results of which are depicted on sheet SSS-1, D-1, & D-2

9. ADJACENT AREAS

The site is zoned R-12. The site is bounded to the north by Court Street, to the south by Pine Hill Cemetary and to the east and west by residential properties.

10. CRITICAL AREAS

Anywhere on the site that existing vegetation is to be removed will require immediate erosion control treatment.

11. EXISTING CONDITIONS

The site is currently a single family residential property.

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12. EROSION AND SEDIMENT CONTROL PRACTICES

Erosion and sediment control practices will include the use of permanent grass ditches, vegetated filter strips, & Silt Soxx. All erosion control practices will be constructed and maintained according to the minimum standards and specifications contained in the "Erosion and Sediment Control Design Handbook for Developing Areas of New Hampshire".

A. Erosion and Sediment Control Measures

1. The erosion control procedures shall conform to Section 645 of the "Standard Specifications for Road and Bridge Construction" of the NH DOT, and the "Stormwater Management and Erosion and Sediment Control Handbook for Urban and Developing Areas in New Hampshire.
2. During Construction and thereafter, erosion control measures are to be implemented as noted. The smallest practical area of land should be exposed at any one time during development.
3. During grading operations, install hay bale barriers at 50 foot intervals in drainage swales and at drain inlets where shown. Barriers are to be maintained and cleaned until disturbed areas are stabilized.
4. Any disturbed areas which are to be left temporarily, and which will be regarded later during construction shall be machine hay mulched and seeded with rye grass to prevent erosion.
5. Silt Soxx shall be periodically inspected during the life of the project and after each storm. All damaged Silt Soxx shall be repaired. Sediment deposits shall periodically be removed.
6. Avoid the use of future open spaces (loam and seed areas) wherever possible during the construction. Construction traffic shall use the roadbeds of future roads and parking areas.
7. Topsoil required for the establishment of vegetation shall be stock piled in amounts necessary to complete finished grading of all exposed areas.
8. Areas to be filled shall be cleared, grubbed, and stripped of topsoil to remove trees, vegetation, roots or other objectionable material. Stumps shall be disposed by grinding or fill in an approved facility.
9. All fills shall be placed and compacted to reduce erosion, slippage settlement, subsidence or other related problems.
10. All fill shall be placed and compacted in layers not to exceed 8 inches in thickness.

11. Frozen material or soft, mucky or highly compressible material shall not be incorporated into fills.
12. Fill material shall not be placed on a frozen foundation subgrade.
13. Disturbed areas shall be seeded immediately following finished grading.
14. At no time shall any disturbed area remain unstabilized for longer than thirty days. All areas where construction is not completed within thirty days of the initial disturbance shall be machine hay mulched and seeded with rye grass to prevent erosion.
15. Dewatering: Where groundwater is encountered during excavation, the contractor shall use a mechanical pump, pumping the water to a Dirt Bag™ or equivalent prior to discharge. Alternate systems must meet applicable sections of the 2017 CGP and NHDES requirements, and be approved by Tritech. Avoid allowing water to flow over disturbed or newly vegetated areas.

B. Vegetative Practice

1. All disturbed areas shall be loamed (4") and limed. Lime shall be thoroughly incorporated into the loam layer at a rate of 2 tons per acre.
2. Fertilizer shall be spread on the top layer of loam and worked into the surface. Fertilizer application rate shall be 500 pounds per acre of 10-20-20 fertilizers.
3. Seed shall be 48 lbs. per acre, SCS mixture "C".
   Immediately before seeding, the soil shall be lightly raked. One half the seed shall be sown in one direction and the other half at right angles to the original direction. It shall be lightly raked into the soil to a depth not over 1/4 inch and rolled with a hand roller weighing not over 100 pounds per linear foot of width.
4. Hay mulch shall be applied immediately after seeding at a rate of 1.5 to 2 tons per acre and shall be held in place using appropriate techniques from the Erosion and Sediment Control Handbook.
5. The surface shall be watered and kept moist with a fine spray as required, without washing away the soil, until the grass is well established. Any areas which are not satisfactorily covered with grass shall be reseeded, and all noxious weeds removed.

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13. CONSTRUCTION SEQUENCE

A. Do not begin construction until all local, state and federal permits have been applied for and received.

B. Install Silt Soxx and hay bale barriers necessary to control erosion and prevent sediment contamination of wetlands prior to any earth moving activities.

C. Cut and remove all trees, shrubs, saplings, brush, vines and other debris and rubbish as required. Remove unsuitable materials as required.

D. Care shall be taken to preserve the infiltration capacity of the infiltrating soil. Seet the New Hampshire Stormwater Manual for additional information.

E. Construct Stormwater Bioretention Basin #101. Do not direct runoff to the practice until the practice and contributing areas are fully stabilized.

F. Constuct of buildings, driveways, parking, & utilities.

G. Loam and seed disturbed areas in accordance with vegetative practice and general construction notes. Cut and fill slopes shall be seeded immediately after their construction.

H. Land leveling operations for buildings and other structures shall be completed along with off road storm sewer systems and utilities.

I. Maintain disturbed areas as necessary.

14. MAINTENANCE

During the period of construction and/or until long term vegetation is established:

A. Seeded areas will be fertilized and reseeded as necessary to insure vegetative establishment.

B. The ditches will be checked after each significant rainfall and cleaned of sediment as needed to retain flow capacity.

C. The ditches will be checked weekly and repaired when necessary until adequate vegetation is established.

D. The silt fence barriers will be checked regularly. Necessary repairs will be made to correct undermining or deterioration of the structures.

CITY OF DOVER

SITE DEVELOPMENT DESIGN CRITERIA

Site Review Regulations §153-14A – Stormwater Management

NARRATIVE

for

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A. Stormwater management, erosion control and flood hazards.

(1) Purpose and objective. These regulations establish standards to manage the discharge of runoff to the City of Dover's municipal storm sewer system and water bodies, in a manner compliant with the requirements of state and federal law, including provisions of the federal stormwater management legislation for municipal separate storm sewer systems (MS4), as amended. These provisions and standards are implemented for the purpose of:

(a) Managing stormwater runoff to protect water quality and quantity.

The projects stormwater analysis, design, plans and supporting documentation have been prepared in accordance with The City of Dover Site Review Regulations, the NH Stormwater Manual (December 2008) where incorporated by reference, the NHDES Alteration of Terrain regulations were incorporated by reference, the EPA NPDES Construction General Permit (2022 CGP) regulations were incorporated by reference and Accepted Engineering Practice.

The project design provides for storm attenuation, stormwater treatment and groundwater recharge in accordance with these regulations and standards.

(b) Minimizing the contribution of a pollutant for which a water body is impaired to the maximum extent practicable (MEP).

The project utilizes the appropriate BMPs to compensate for the pollutant that may be generated by new development to the maximum extent practicable.

(c) Causing no discharge of runoff to an adjacent property in excess of runoff discharge in the existing developed or undeveloped condition.

The proposed development post construction runoff does not exceed pre construction conditions. The proposed development directs all stormwater runoff to the City of Dover closed stormwater system.

(d) Encouraging the use of low-impact development (LID) strategies.

The project utilizes a bioretention practice for stormwater treatment as well as an infiltration practice for groundwater recharge.

(2) Applicability of the stormwater standards.

(a) All projects requiring site plan or major subdivision approval shall be subject to the following set of stormwater standards according to the amount and type of disturbance. Applicability is as follows:

[1] The minimum protections and management standards shall apply to all projects.

This narrative is prepared in conjunction with a Site Plan Review application for which the "new development standards" apply to the stormwater management and site design of the proposed development.

[2] The stormwater management for new development standards shall apply to any project that results in a contiguous land disturbance of more than 20,000 square feet or creates more than 4,000 square feet of new impervious area.

This narrative is prepared in conjunction with a Site Plan Review application for which the "new development standards" apply to the stormwater management and site design of the proposed development.

[3] The stormwater management for redevelopment standards shall apply to any project that results in a contiguous land disturbance of more than 20,000 square feet or creates more than 4,000 square feet of new impervious area where the existing land use has been previously developed as commercial, industrial, institutional, governmental, recreational, or multifamily.

The proposed project does not meet the standards for a "redevelopment" project.

(b) All projects of such magnitude as to require a permit from the National Pollutant Discharge Elimination System (NPDES) Program or the New Hampshire Department of Environmental Services (NHDES) Alteration of Terrain (AoT) Program shall also comply with the standards of the Environmental Protection Agency (EPA) and/or NHDES permits and this section, whereas the stricter standards shall apply.

As this project proposes disturbance of less than 100,000 square feet but more than one (1) acre it does not require a NH DES Alteration of Terrain (AoT) permit but will require the submittal of a Notice of Intent (NOI) application with the EPA as required by National Pollutant Discharge Elimination System (NPDES) Construction General Permit (CGP).

(3) Design standards.

(a) Minimum protections and management standards.

[1] Where applicable, all development must comply with the EPA Phase II Stormwater Rules and the City's MS4 permit, as amended.

The project complies with the City's design and stormwater requirements.

[2] Existing surface waters, including ponds, rivers, perennial and intermittent streams (natural or channelized), and wetlands (including vernal pools), shall be protected by the minimum buffer setback as specified in Chapter 170, Zoning, § 170-27.1. Stormwater and erosion and sediment control best management practices (BMPs) shall be located outside the specified buffer zone unless otherwise approved by the Planning Board.

The subject property does not contain surface waters, wetlands or associated buffer setback.

[3] Low-impact development (LID) site planning and design strategies shall be used to the MEP in order to reduce the generation of the stormwater runoff volume for both new and redevelopment projects. An owner/applicant must document why LID strategies are not appropriate if not used to manage stormwater.

LID strategies were implemented to the maximum extent practicable. The project utilizes a bioretention practice for stormwater treatment as well as an infiltration practice for groundwater recharge.

[4] All proposed stormwater practices and measures shall be installed and maintained in accordance with manufacturers' specifications and performance specifications outlined in the New Hampshire Stormwater Management Manual Volume 2 (December 2008 or current revision) a copy of which can be found on The NHDES website.

The project stormwater BMPs are designed in accordance with New Hampshire Stormwater Manual Volume 2 current version (December 2008 revision 1.0).

[5] All storage facilities for fuel, chemicals, chemical or industrial wastes, and biodegradable raw materials shall meet the regulations of the NHDES, including but not limited to those involving underground storage tanks, aboveground storage tanks, hazardous waste, and best management practices for groundwater protection (Part Env Wq 401).

The project does not propose the storage of the referenced materials onsite.

[6] Salt and other deicing materials shall be stored under cover or located such that no direct discharges to receiving waters are possible. Snow storage areas shall be located such that no direct discharges to receiving waters are possible. See the NHDES guidance fact sheet on road salt and snow disposal.

The project does not provide for the storage of deicing materials onsite.

[7] The use of sodium-chloride-based materials for winter maintenance shall be the minimum necessary for safety. The use of sodium-chloride-based materials is discouraged within the groundwater protection districts.

The project Stormwater Management, Maintenance & Inspection Plan requires the implementation of a salt minimization plan that also requires the owner or operator to track salt usage onsite through a quantity usage log.

[8] Impervious surfaces for parking areas and roads shall be minimized to the extent possible.

The project design has minimized the impervious areas to the maximum extent possible. The number of parking spaces, travel way widths and vehicle maneuvering areas have been minimized for this specific project/use.

[9] Stormwater runoff from new impervious surfaces shall be directed to a best management practice for flow mitigation, treatment and/or infiltration.

The project design utilizes a bioretention practice for stormwater treatment & flow mitigation as well as an infiltration practice for groundwater recharge & flow mitigation.

(b) Stormwater management for new development.

[1] Runoff of impervious surfaces shall be treated to provide 80% removal of total suspended solids (TSS) and 50% removal of both total nitrogen and phosphorus. Removal rates shall be determined using approved manufacturer's pollutant removal efficiency analysis or the pollutant removal efficiencies outlined in the New Hampshire Stormwater Management Manual Volume 1, Appendix E (December 2008 or current revision), a copy of which is available from the NHDES website.

The project design utilizes a bioretention practice for treatment of impervious areas. This bioretention practice system provides 90% removal of TSS and 65% removal of total nitrogen and phosphorous per the NH Stormwater Manual.

[2] Rainfall amount shall be based on current extreme precipitation estimates obtained from the Northeast Regional Climate Center.

The project stormwater analysis and design utilizes the NRCC extreme precipitation.

[3] Measures shall be taken to control the post-development peak rate runoff so that it does not exceed predevelopment runoff for the two-, ten-, twenty-five- and fifty-year, twenty-four-hour storm events.

The proposed design mitigates post development peak rate runoff of the two-year, ten-year, twenty-five-year and the fifty-year in a 24-Hour storm event.

[4] Measures shall be taken to control the post-development surface water runoff volume so that it does not exceed predevelopment runoff for the two-, ten-, twenty-five- and fifty-year, twenty-four-hour storm events. For sites where infiltration/recharge is limited or not practicable, the owner/applicant must demonstrate that the project will not cause or contribute to flooding or functional impairments to streets, adjacent properties, and downstream properties.

The site was evaluated for the inclusion of infiltration practices however the Boxford soil characteristics and depth to seasonal high-water tables, prevented incorporating infiltration practices for much of the site including the bioretention practice. The subject property does contain a limited amount of Windsor Soil at the upper limits of the project. The roof drains from Cottage #4 and the runoff from yard surrounding this unit are directed to an underground Stormtech system to maximize the infiltration where it is practical. The increase in volume is within the 0.1-acre foot NHDES allowance and will not cause functional impairments to the closed drainage system in Court Street.

[5] Infiltration rates for designing groundwater recharge practices shall be determined in accordance with Section Env-Wq 1504.14.

On August 7, 2024 Tritech performed on-site infiltration testing using Geulph Permeameter in accordance with NHDES Analysis Method. The analysis of this data determined the K_{sat} value to be used in the HydroCAD Stormwater Model.

We performed this testing at two locations on the property. One being located within Stormtech #2 adjacent to Test Pit #3 which determined a 9 in/hr. K_{sat} value to be used in the HydroCAD stormwater model. The second test was performed adjacent to Test Pit #2. The results at this second location indicated that infiltration is not practical in the Boxford Soil.

The Infiltration in our analysis and design was limited the area of Windsor Soil adjacent to Pine Hill Cemetery.

[6] Stormwater conveyance practices shall be sized appropriately to convey the ten-year, twenty-four-hour storm event without overtopping or causing flooding on the property.

The project's Stormwater infrastructure is designed to convey a 50-year, 24-hour storm event without overtopping and does not cause flooding on the property. See Stormwater Analysis.

[7] For large projects adding greater than or equal to 10 acres of impervious cover, or projects located in known areas of flooding concern, or specifically within areas with a 1% chance of being inundated by water in any given year, the owner/applicant shall submit a supplementary report that describes how the project will not increase the future flooding potential and complies with the AoT requirements pertaining to floodplain impacts as described in Section Env-Wq 1503.09, regardless of whether an AoT permit is required.

The project does not add 10 acres or greater of impervious cover and is not located in a federally designated floodplain.

[8] The design of the stormwater management systems shall take into account upstream and upgradient runoff that flows onto, over, or through the site to be developed or redeveloped and provide for this contribution of runoff.

The project involves very little upstream or upgradient runoff, however, the project stormwater calculations, stormwater infrastructure design and site grading all accounted for this runoff.

[9] Seasonal high-water table elevations must be accounted for in all BMP design criteria.

A Site-Specific Soil Plan, Sheet SSS-1, is included in our Site Development Plan Set and Stormwater Analysis. This plan was prepared by Michael Mariano of Highland Soil Service. In conjunction with this plan preparation Mr. Mariano logged seven (7) test pits on the subject property. The ESHWT and overall soil types factor into the placement and design of the project BMPs.

[10] Access for maintenance of stormwater facilities must be included as part of the design, where necessary. Access easements may be required.

Stormwater facilities are included on site and the site will be solely owned by the applicant. Stormwater access easements are not required for this project.

[11] Plantings in treatment areas shall be native grasses, shrubs and/or other native plants in sufficient numbers and density to prevent soil erosion and to achieve water - quality treatment.

Sheets La-1 & La-2 were prepared by Romy Maurer a licensed Landscape Architect with Terrain Planning & Design, LLC. We have also provided a Landscape Operation & Maintenance Plan to ensure the functionality of the BMPs.

(c) Stormwater management for redevelopment. In order to determine the stormwater requirements for redevelopment projects, the percentage of the site covered by existing impervious areas must be calculated. Stormwater requirements for redevelopment will vary based upon the amount of site surface area that is covered by existing impervious surfaces.

The project does not meet requirements to be classified as redevelopment project, therefore this section in not applicable.

[1] For sites meeting the definition of a redevelopment project and having less than 40% existing impervious surface coverage, the stormwater management requirements will be the same as new development projects, with the important distinction that the applicant can meet those requirements either on site or at an approved off-site location (i.e., off- site mitigation). The applicant must satisfactorily demonstrate that impervious area reduction, LID strategies and BMPs have been implemented on site to the MEP.

[2] For sites meeting the definition of a redevelopment project and having more than 40% existing impervious surface coverage, stormwater shall be managed in accordance with one or more of the following techniques, listed in order of preference:

[a] Implement measures on site that result in mitigation and treatment of at least 30% of the existing impervious cover as well as 50% of the additional proposed impervious surfaces and pavement areas through the application of LID; or

[b] Implement other LID techniques on site to the MEP to provide mitigation and treatment for at least 50% of the entire site area.

[3] The owner/applicant may utilize off-site mitigation to meet the redevelopment requirements when the following standards have been met.

[a] The owner/applicant shall demonstrate, to the satisfaction of the Planning Board, that on-site treatment has been implemented to the MEP.

[b] The owner/applicant shall find an approved, off-site location within the same watershed as the project site or within the drainage area of the same receiving water body.

[c] Off-site mitigation shall be equivalent to no less than the total area of pervious cover not treated on site.

[d] The owner/applicant shall submit a full design of the proposed off-site measures for review and approval.

[e] The owner/applicant must also demonstrate that there is no downstream drainage or flooding impact as a result of not providing on-site management.

(d) Erosion control standards during construction. The following standards shall be applied in project planning and shall be implemented prior to and during construction activity:

The plan set includes temporary and permanent sediment and erosion control practice notes and details in support of meeting the erosion control standards.

[1] All proposed measures shall meet, at a minimum, the design standards for best management practices set forth in the New Hampshire Stormwater Management Manual Volume 3 (December 2008 or current revision), a copy of which is available from the NHDES website.

The sediment and erosion control details provided in the plan set are all designed in accordance with the NH Stormwater Manual.

[2] When a project requires a stormwater permit from the EPA Construction General Permit (CGP) Program, copies of the stormwater pollution prevention plan (SWPPP) inspections shall be provided to the Community Services Department.

As this project proposes disturbance of less than 100,000 square feet but more than one (1) acre it does not require a NHDES Alteration of Terrain (AoT) permit but will require the submittal of a Notice of Intent (NOI) application with the EPA as required by National Pollutant Discharge Elimination System (NPDES) Construction General Permit (CGP).

SWPPP inspections will be prepared by a professional engineer registered in the State of New Hampshire or an individual under their direct supervision. The inspection reports shall be submitted to the Community Services Department.

[3] Stripping of vegetation shall be done in a manner that minimizes soil erosion. Whenever practical, natural vegetation shall be retained, protected, or supplemented.

The Erosion & Sediment Control Notes, Detail 12 on Sheet SP-9 in the project plan set indicates that the smallest practical area shall be disturbed during construction.

[4] The area of land disturbance shall be kept to a minimum and be limited to an area only large enough to accommodate construction activities for a particular construction phase.

The Erosion & Sediment Control Notes, Detail 12 on Sheet SP-9 in the project plan set indicates that the smallest practical area shall be disturbed during construction.

[5] Off-site surface water and runoff from undisturbed areas shall be diverted away from disturbed areas where feasible, or measures to convey stormwater through the project area without causing erosion of sediment must be included. The integrity of downstream drainage systems shall be maintained.

The Erosion & Sediment Control Notes, Detail 12 on Sheet SP-9 in the project plan set indicates that stormwater conveyance practices shall be stabilized prior to receiving stormwater runoff.

[6] Appropriate erosion and sediment control measures shall be installed prior to any soil land disturbance and must be reviewed and approved by the Community Services Department.

The Erosion & Sediment Control Notes, Detail 12 on Sheet SP-9 in the project plan set details the Construction Sequencing. Dover scheduling and inspections will be discussed with Community Services prior to the start of construction.

[7] Perimeter site controls shall not be placed within wetland areas, stream channels or wetland buffers.

This project does not propose any work in a wetland or a wetland buffer.

[8] Disturbed soil areas shall be either temporarily or permanently stabilized. In areas where final grading has not occurred, temporary stabilization measures should be in place within seven calendar days for exposed soil areas that are within 100 feet of a surface water body or a wetland and no more than 14 calendar days for all other areas. Permanent stabilization should be in place within three calendar days following completion of final grading of exposed soil areas.

The Erosion & Sediment Control Notes, Detail 12 on Sheet SP-9 in the project plan set identifies this requirement.

[9] All temporary erosion and sediment control measures shall be maintained in functioning condition until final site stabilization is accomplished. A proposed BMP inspection schedule shall be included in the submittal.

The project proposes disturbance more than one (1) acre and will require the submittal of a Notice of Intent (NOI) application with the EPA as required by National Pollutant Discharge Elimination System (NPDES) Construction General Permit (CGP).

SWPPP inspections will be prepared by a professional engineer registered in the State of New Hampshire or an individual under their direct supervision. The inspection reports shall be submitted to the Community Services Department.

The SWPPP Manual identifies the inspection schedule.

[10] Additional temporary stabilization for the winter season consistent with NHDES guidelines shall be in place for disturbed areas that are not permanently stabilized by October 1, or at the discretion of the Community Services Department.

The NHDES AoT winter construction notes are identified in The Erosion & Sediment Control Notes, Detail 12 on Sheet SP-9 in the project plan set.

[11] Special stabilization details shall be provided with the submission for any land disturbance on slopes equal to or steeper than 3:1.

Slopes greater than 3:1 require erosion control matting and/or armoring. Sheet SP-4 notes and associated details are provided in the project plan set.

[12] All temporary erosion and sediment control measures shall be removed after final site stabilization. Trapped sediment and other disturbed soil areas resulting from the removal of temporary measures shall be permanently stabilized within 30 calendar days unless conditions dictate otherwise.

The Erosion & Sediment Control Notes, Detail 12 on Sheet SP-9 in the project plan set identifies this requirement.

[13] For projects proposing to disturb and expose soils in areas of 10 acres or more at one time, a temporary (or permanent) sediment basin must be provided with storage for a calculated volume of runoff from a drainage area from a two-year, twenty-four-hour storm, or equivalent control measures, where attainable, until final stabilization of the site. Alternatively, the sediment basin can be sized to provide 3,600 cubic feet of storage per acre of drainage area until final stabilization of the site. In determining appropriate locations and number of sediment basins needed, the operators may consider such factors as erodibility of site soils, slope lengths, available area on site, construction period and other unique site considerations.

The project does not propose the disturbance of greater than 10 acres of area. A Sediment Trap is not proposed.

[14] Use of temporary sediment basins should avoid any additional vegetation clearing or site land disturbance not otherwise needed for post-construction. Sediment basin locations must be reviewed by the Community Services Department prior to construction and must consider the potential for off-site impacts, including public safety, especially as it relates to sediment movement and/or sediment basin failure, and alternative sediment controls must be used where site limitations preclude a safe design.

A Sediment Trap is not proposed.

(e) Installation and construction inspections. The owner/applicant shall be responsible for inspection requirements as follow:

[1] The Community Services Department or its designated agent shall have access to the site to complete routine inspections.

The owner/applicant is aware of this requirement.

[2] The Community Services Department shall be notified 24 hours prior to installation of a stormwater BMP in order to schedule an inspection. These inspections shall be completed during normal working hours.

The owner/applicant is aware of the Community Services Department inspection scheduling requirements.

[3] The Planning Board or Community Services Department may require the design engineer and/or an independent third party to provide inspection and oversight of the construction of the stormwater management facilities and erosion and sediment control measures at its discretion. Such oversight may be especially important for implementing techniques such as porous pavement or subsurface stormwater infiltration systems. The owner/applicant shall be responsible for all fees associated with third-party inspections.

The owner/applicant is aware of this requirement.

[4] All SWPPP inspections must be conducted by a qualified professional such as a professional engineer (PE), a certified professional in erosion and sediment control (CPESC), a certified erosion sediment and stormwater inspector (CESSWI), or a certified professional in stormwater quality (CPSWQ). Inspection reports shall be submitted to the Community Services Department.

SWPPP inspections will be prepared by a professional engineer registered in the State of New Hampshire or an individual under their direct supervision. The inspection reports shall be submitted to the Community Services Department.

[5] The owner is ultimately responsible for the installation, construction, inspection, and disposition of all stormwater management and erosion control measures required by the provisions of these regulations.

The owner/applicant is aware of this requirement.

(f) Stormwater management plan (SWMP) submittal requirements. At the discretion of the Planning Board or Community Services Department, a technical review by an independent third party may be required of any SWMP prepared under these regulations. Such a review shall be performed by a qualified professional consultant and the expense of which shall be the full responsibility of the owner/applicant.

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[1] For projects requiring minimum protection standards, a plan including the following information shall be submitted:

[a] Description of erosion and sediment control measures as well as sequence for final stabilization of the project site.

The Erosion & Sediment Control Notes, Detail 12 on Sheet SP-9 in the project plan set describes this information.

[b] Proposed changes in impervious cover areas and any changes in pre- and post-development drainage patterns.

The proposed development post construction runoff does not exceed pre construction conditions. The proposed development directs all stormwater runoff to the City of Dover closed stormwater system.

[c] Description of LID proposed measures.

The project utilizes a bioretention practice for stormwater treatment as well as an infiltration practice for groundwater recharge.

[2] For projects requiring new development or redevelopment standards, a drainage report that contains the following items shall be submitted:

[a] Description of construction period and earth movement schedule, including anticipated project start and completion dates, sequence and duration of grading and construction activities, sequence, and timing of installation and/or application of soil erosion and sediment control measures as well as sequence for final stabilization of the project site.

The Erosion & Sediment Control Notes, Detail 12 on Sheet SP-9 in the project plan set describes this information.

[b] Description of the on-site and adjacent wetlands, streams and other water resources, including methods used to identify these resources, and a description of any buffer setbacks that may apply, steep slopes, critical habitat, existing vegetation, areas with a 1% chance of being inundated by water in any given year, and whether any downstream water bodies are listed as impaired according to NHDES's most recent 303(d) list.

The Stormwater Analysis includes the above requirements.

[c] Soils information for proposed disturbed areas shall be delineated by a certified soil scientist. For all other areas that contribute runoff to the project site, soil types may be identified in accordance with Natural Resources Conservation Service (NRCS) countywide soil survey.

A Site-Specific Soil Plan, Sheet SSS-1, is included in our Site Development Plan Set and Stormwater Analysis. This plan was prepared by Michael Mariano of Highland Soil Service. In conjunction with this plan preparation Mr. Mariano logged seven (7) test pits on the subject property. The ESHWT and overall soil types factor into the placement and design of the project BMPs.

[d] Description of existing drainage patterns, receiving water bodies or drainage infrastructure and soil types for recharge potential.

The Stormwater Analysis includes the above requirements.

[e] Watershed area limits, including any off-site and upstream areas contributing flow to shared drainage channels and/or infrastructure.

The Stormwater Analysis includes the above requirements.

[f] Description of proposed changes in impervious cover areas and any changes in pre- and post-development drainage patterns.

The Stormwater Analysis includes the above requirements.

[g] Methods and assumptions used to calculate pre- and post-development runoff volume, peak discharge, and discharge velocity for the specified design storm events.

The Stormwater Analysis includes the above requirements.

[h] Methods and assumptions used to calculate the pollutant load removal.

The Stormwater Analysis includes the above requirements.

[i] Description of LID measures that are proposed to limit the development footprint, preserve existing vegetation and mimic existing hydrology to the extent feasible.

The project utilizes a bioretention practice for stormwater treatment as well as an infiltration practice for groundwater recharge.

[j] If not used, provide rationale why LID measures are not practical for the site.

LID measures have been incorporated in the design of the project.

[k] Describe measures and calculations for proposed practices used to achieve no net increase in runoff volumes leaving the site.

The Stormwater Analysis includes the above requirements.

[l] Provide calculations for the infiltration or exfiltration system.

The Stormwater Analysis includes the above requirements.

[m] If an increase in post-development runoff volume is anticipated due to limited applicability for LID measures and site constraints, provide an assessment and supporting calculations to demonstrate no adverse impacts to downstream infrastructure, adjacent properties, or aquatic habitat.

The stormwater analysis indicates there will no increase in the post-development runoff volumes.

[n] Descriptions, details, and design criteria and calculations for all structural, nonstructural, permanent, and temporary erosion and sedimentation control measures and BMPs. This information should include seeding mixtures and rates, types of sod, methods of seedbed preparation, expected seeding dates (or limitations on seeding time frames), type and rate of lime and fertilizer application, and type and quantity of mulching for temporary and permanent control facilities.

The Site Development plan set includes the above requirements.

[o] Where proposed changes are anticipated within mapped limits of the areas with a 1% chance of being inundated by water in any given year, provide hydrologic and hydraulic analysis to show no net increase in flood elevations.

No changes are anticipated.

[p] Proposed schedule for the inspection and maintenance of all erosion control measures on site prior to achieving final site stabilization.

The Erosion & Sediment Control Notes, Detail 12 on Sheet SP-9 in the project plan set identifies this requirement.

[q] Describe procedures for removing temporary erosion control measures and removal of accumulated sediment captured by such measures.

The Erosion & Sediment Control Notes, Detail 12 on Sheet SP-9 in the project plan set identifies this requirement.

[r] Any other specific study, calculation, or investigation as requested by the city.

Additional information shall be provided as requested and may include traffic studies, structural designs, sewer designs, geotechnical reports, etc. .

[s] Describe procedures to limit and/or optimize the use of deicing materials and minimize off-site increases in chloride levels in adjacent surface water and groundwater.

The Stormwater Management, Maintenance and Inspection Plan requires the implementation of a salt minimization plan that also requires the owner or operator to track salt usage onsite through a quantity usage log.

[t] Provide a maintenance and inspection plan for post-construction monitoring of stormwater BMPs to ensure long-term performance and functionality, including details of who will be responsible for inspections and maintenance, proposed schedule, documentation, submittal procedures and contingency plans if future maintenance is required.

A Stormwater Management, Maintenance and Inspection Plan (M&I) is included in the Stormwater Analysis provided as part of this submittal.

[u] Provide copies of pertinent state and federal permits.

Copies of permits will be provided to the City of Dover, as applicable.

(g) Long-term operation and maintenance. The owner shall be responsible for continued inspection and maintenance requirements.

A Stormwater Management, Maintenance and Inspection Plan (M&I) is included in the Stormwater Analysis provided as part of this submittal.

[1] An operation and maintenance manual shall be created with the following information:

[a] The names of the responsible qualified professionals who will implement the required reporting, inspections, and maintenance activities.

The Owner, Responsible Party, and the Management Company are identified in the Stormwater Management, Maintenance and Inspection Plan.

[b] An inspection checklist, identifying item or BMP, inspection frequency, and components to be inspected. The list shall clearly outline performance thresholds and triggers for maintenance.

Inspection requirements and maintenance thresholds are identified in the Stormwater Management, Maintenance and Inspection Plan.

[c] Snow and ice removal shall be performed by a contractor certified by the "Green SnoPro" Program, or approved equivalent, following best management practices for the application of deicing materials.

The Stormwater Management, Maintenance and Inspection Plan requires the use of a Green SnoPro contractor.

[d] Deicing log to track amount and type of deicing material applied.

The Stormwater Management, Maintenance and Inspection Plan requires the implementation of a salt minimization plan that also requires the owner or operator to track salt usage onsite through a quantity usage log.

[e] A site plan clearly identifying the locations of all stormwater practices to be inspected and maintained.

The Site Development Plan Set is included as part of the Stormwater Management, Maintenance and Inspection Plan.

[f] Inspection and maintenance log to be submitted to the City of Dover Community Services Department on an annual basis. Documents shall be submitted no later than December 15 of each year.

The Stormwater Management, Maintenance and Inspection Plan identifies this requirement.

[2] The owner of record shall record at the Registry of Deeds documentation sufficient to provide notice to all persons that may acquire any property subject to the requirements and responsibilities described in the approved stormwater management plan. The notice shall comply with the applicable requirements for recording contained in RSA 477 and 478. The notice need not set forth the requirements at length, so long as it is sufficient to provide notice to prospective purchasers of the requirements for maintenance and reporting.

The applicant is aware of this requirement.

STORMWATER ANALYSIS

and

Erosion & Sediment Control Plan

NARRATIVE

for

103 COURT STREET

103 Court Street
Dover, New Hampshire
August 2024
October 2024

SECTION II

COMPUTATIONS

N

TRITECH
ENGINEERING CORPORATION

LEGEND

- 2FT GRANIT CONTOUR
- 10FT GRANIT CONTOUR
- SOILS BOUNDARY
- PROPERTY LINE
- SUBCAT BOUNDARY
- FLOW PATH
- (1) SUBCAT LABEL
- 1 ANALYSIS POINT
- TREE LINE
- 915B SITE-SPECIFIC SOIL TYPE LABEL
- ScA NRCS SOIL TYPE LABEL

30 0 15 30 60 120
1"=30'

TRITECH
ENGINEERING CORPORATION
735 CENTRAL AVENUE
DOVER, NEW HAMPSHIRE 03820
TELEPHONE 603 749 9171
FAX 603 749 3830

REVISIONS
DATE: DESCRIPTION:

STATE OF NEW HAMPSHIRE - PROFESSIONAL ENGINEER
ROBERT STOWELL No. 9803 LICENSED

PRE-CONSTRUCTION DRAINAGE PLAN

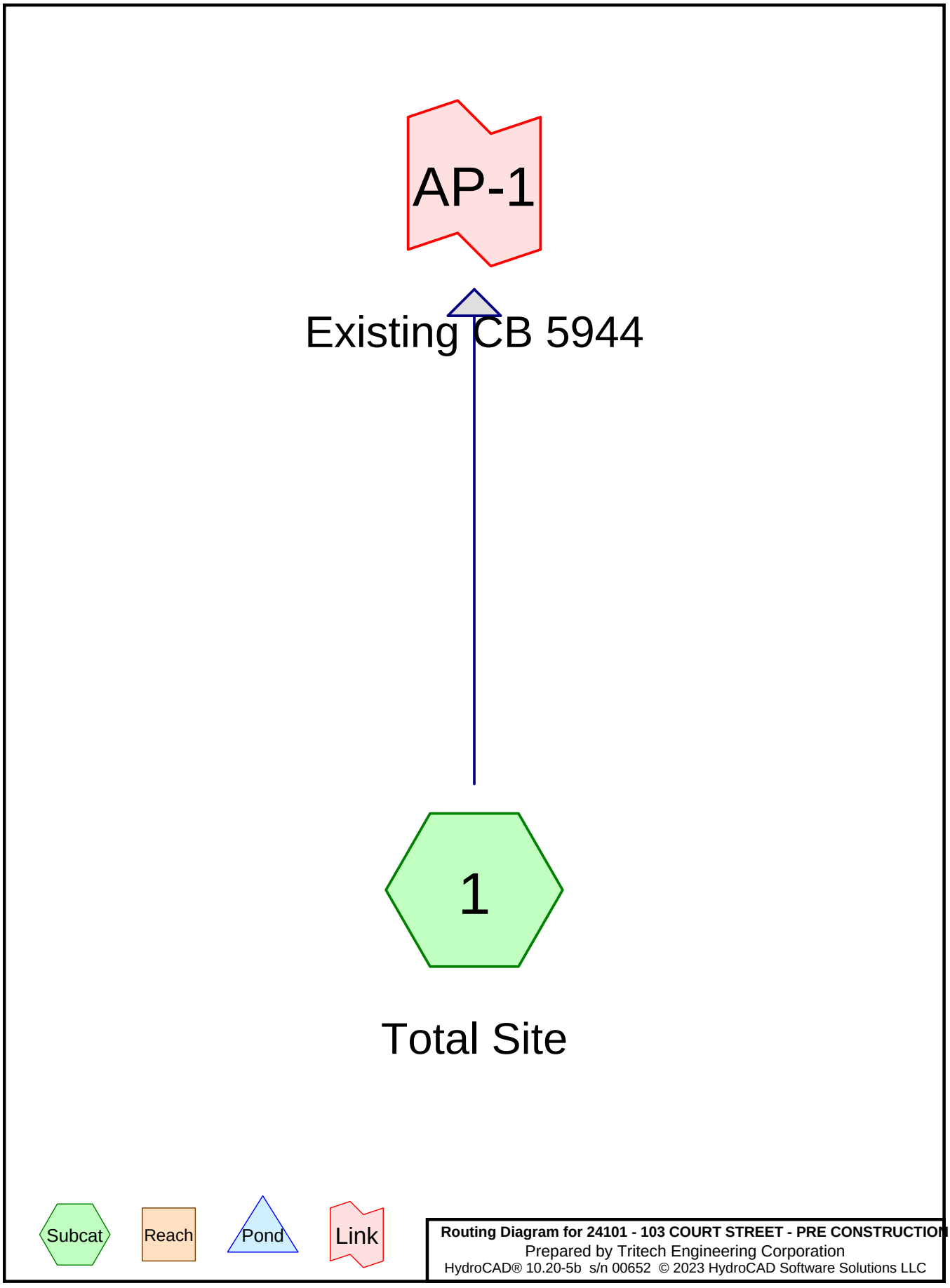
103 COURT STREET

103 COURT STREET
DOVER, NEW HAMPSHIRE
STRAFFORD COUNTY

AUGUST 15, 2024 JOB No. 24101
SCALE: 1" = 30'

SHEET No.

D-1



Routing Diagram for 24101 - 103 COURT STREET - PRE CONSTRUCTION
Prepared by Tritech Engineering Corporation
HydroCAD® 10.20-5b s/n 00652 © 2023 HydroCAD Software Solutions LLC

Area Listing (all nodes)

Area (acres)	CN	Description (subcatchment-numbers)
0.132	74	>75% Grass cover, Good, HSG C (1)
0.062	80	>75% Grass cover, Good, HSG D (1)
0.015	98	Paved parking, HSG A (1)
0.034	98	Paved parking, HSG C (1)
0.017	98	Paved parking, HSG D (1)
0.041	98	Roofs, HSG C (1)
0.060	30	Woods, Good, HSG A (1)
0.103	70	Woods, Good, HSG C (1)
0.044	77	Woods, Good, HSG D (1)
0.038	32	Woods/grass comb., Good, HSG A (1)
0.888	72	Woods/grass comb., Good, HSG C (1)
0.046	79	Woods/grass comb., Good, HSG D (1)
1.479	**72**	**TOTAL AREA**

Soil Listing (all nodes)

Area (acres)	Soil Group	Subcatchment Numbers
0.112	HSG A	1
0.000	HSG B	
1.198	HSG C	1
0.169	HSG D	1
0.000	Other	
1.479		**TOTAL AREA**

Time span=0.00-28.00 hrs, dt=0.01 hrs, 2801 points x 3
Runoff by SCS TR-20 method, UH=SCS, Weighted-CN
Reach routing by Dyn-Stor-Ind method - Pond routing by Dyn-Stor-Ind method

Subcatchment 1: Total Site Runoff Area=64,430 sf 7.23% Impervious Runoff Depth=0.90"
Flow Length=435' Tc=23.3 min CN=72 Runoff=0.90 cfs 0.111 af

Link AP-1: Existing CB 5944 Inflow=0.90 cfs 0.111 af
Primary=0.90 cfs 0.111 af

Total Runoff Area = 1.479 ac Runoff Volume = 0.111 af Average Runoff Depth = 0.90"
92.77% Pervious = 1.372 ac 7.23% Impervious = 0.107 ac

Time span=0.00-28.00 hrs, dt=0.01 hrs, 2801 points x 3
Runoff by SCS TR-20 method, UH=SCS, Weighted-CN
Reach routing by Dyn-Stor-Ind method - Pond routing by Dyn-Stor-Ind method

Subcatchment 1: Total Site Runoff Area=64,430 sf 7.23% Impervious Runoff Depth=2.01"
Flow Length=435' Tc=23.3 min CN=72 Runoff=2.17 cfs 0.248 af

Link AP-1: Existing CB 5944 Inflow=2.17 cfs 0.248 af
Primary=2.17 cfs 0.248 af

Total Runoff Area = 1.479 ac Runoff Volume = 0.248 af Average Runoff Depth = 2.01"
92.77% Pervious = 1.372 ac 7.23% Impervious = 0.107 ac

Time span=0.00-28.00 hrs, dt=0.01 hrs, 2801 points x 3
Runoff by SCS TR-20 method, UH=SCS, Weighted-CN
Reach routing by Dyn-Stor-Ind method - Pond routing by Dyn-Stor-Ind method

Subcatchment 1: Total Site Runoff Area=64,430 sf 7.23% Impervious Runoff Depth=3.00"
Flow Length=435' Tc=23.3 min CN=72 Runoff=3.27 cfs 0.370 af

Link AP-1: Existing CB 5944 Inflow=3.27 cfs 0.370 af
Primary=3.27 cfs 0.370 af

Total Runoff Area = 1.479 ac Runoff Volume = 0.370 af Average Runoff Depth = 3.00"
92.77% Pervious = 1.372 ac 7.23% Impervious = 0.107 ac

Time span=0.00-28.00 hrs, dt=0.01 hrs, 2801 points x 3
Runoff by SCS TR-20 method, UH=SCS, Weighted-CN
Reach routing by Dyn-Stor-Ind method - Pond routing by Dyn-Stor-Ind method

Subcatchment 1: Total Site Runoff Area=64,430 sf 7.23% Impervious Runoff Depth=3.99"
Flow Length=435' Tc=23.3 min CN=72 Runoff=4.37 cfs 0.492 af

Link AP-1: Existing CB 5944 Inflow=4.37 cfs 0.492 af
Primary=4.37 cfs 0.492 af

Total Runoff Area = 1.479 ac Runoff Volume = 0.492 af Average Runoff Depth = 3.99"
92.77% Pervious = 1.372 ac 7.23% Impervious = 0.107 ac

Summary for Subcatchment 1: Total Site

Runoff = 2.17 cfs @ 12.34 hrs, Volume= 0.248 af, Depth= 2.01"
Routed to Link AP-1 : Existing CB 5944

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-28.00 hrs, dt= 0.01 hrs
Type III 24-hr 10-YR SEACOAST Rainfall=4.76"

Area (sf)	CN	Description
1,498	98	Paved parking, HSG C
1,780	98	Roofs, HSG C
4,497	70	Woods, Good, HSG C
38,680	72	Woods/grass comb., Good, HSG C
5,730	74	>75% Grass cover, Good, HSG C
1,645	32	Woods/grass comb., Good, HSG A
2,600	30	Woods, Good, HSG A
635	98	Paved parking, HSG A
745	98	Paved parking, HSG D
2,010	79	Woods/grass comb., Good, HSG D
2,705	80	>75% Grass cover, Good, HSG D
1,905	77	Woods, Good, HSG D
64,430	72	Weighted Average
59,772		92.77% Pervious Area
4,658		7.23% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
0.1	5	0.0200	0.75		**Sheet Flow, Sheet Pave** Smooth surfaces n= 0.011 P2= 3.15"
14.4	30	0.0200	0.03		**Sheet Flow, Sheet woods** Woods: Dense underbrush n= 0.800 P2= 3.15"
5.7	65	0.0250	0.19		**Sheet Flow, sheet range** Range n= 0.130 P2= 3.15"
1.9	245	0.0450	2.12		**Shallow Concentrated Flow, SC range** Nearly Bare & Untilled Kv= 10.0 fps
1.2	90	0.0650	1.27		**Shallow Concentrated Flow, SC woods** Woodland Kv= 5.0 fps
23.3	435	Total			

Summary for Link AP-1: Existing CB 5944

Inflow Area = 1.479 ac, 7.23% Impervious, Inflow Depth = 2.01" for 10-YR SEACOAST event
Inflow = 2.17 cfs @ 12.34 hrs, Volume= 0.248 af
Primary = 2.17 cfs @ 12.34 hrs, Volume= 0.248 af, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 0.00-28.00 hrs, dt= 0.01 hrs

COURT STREET

KEELTY STREET

LOCKE STREE

953B

695B

32B

26B

38B

STONEWALL

LEGEND

- 2FT GRANIT CONTOUR
- 10FT GRANIT CONTOUR
- SOILS BOUNDARY
- PROPERTY LINE
- SUBCAT BOUNDARY
- FLOW PATH
- (1) SUBCAT LABEL
- (1) ANALYSIS POINT
- TREE LINE
- 915B SITE-SPECIFIC SOIL TYPE LABEL

30 0 15 30 60 120

1"=30'

N

TRITECH
ENGINEERING CORPORATION

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75B CENTRAL AVENUE
DOVER, NEW HAMPSHIRE 03820
TELEPHONE 603 742 9117
FAX 603 742 3630

REVISIONS

DATE:	DESCRIPTION:
9-12-24	REVISED PER TRC COMMENTS
10-24-24	REVISED PER TRC COMMENTS

STATE OF NEW HAMPSHIRE - ROBERT J. STOWELL No. 9268 - LICENSED PROFESSIONAL ENGINEER

POST-CONSTRUCTION DRAINAGE PLAN

103 COURT STREET

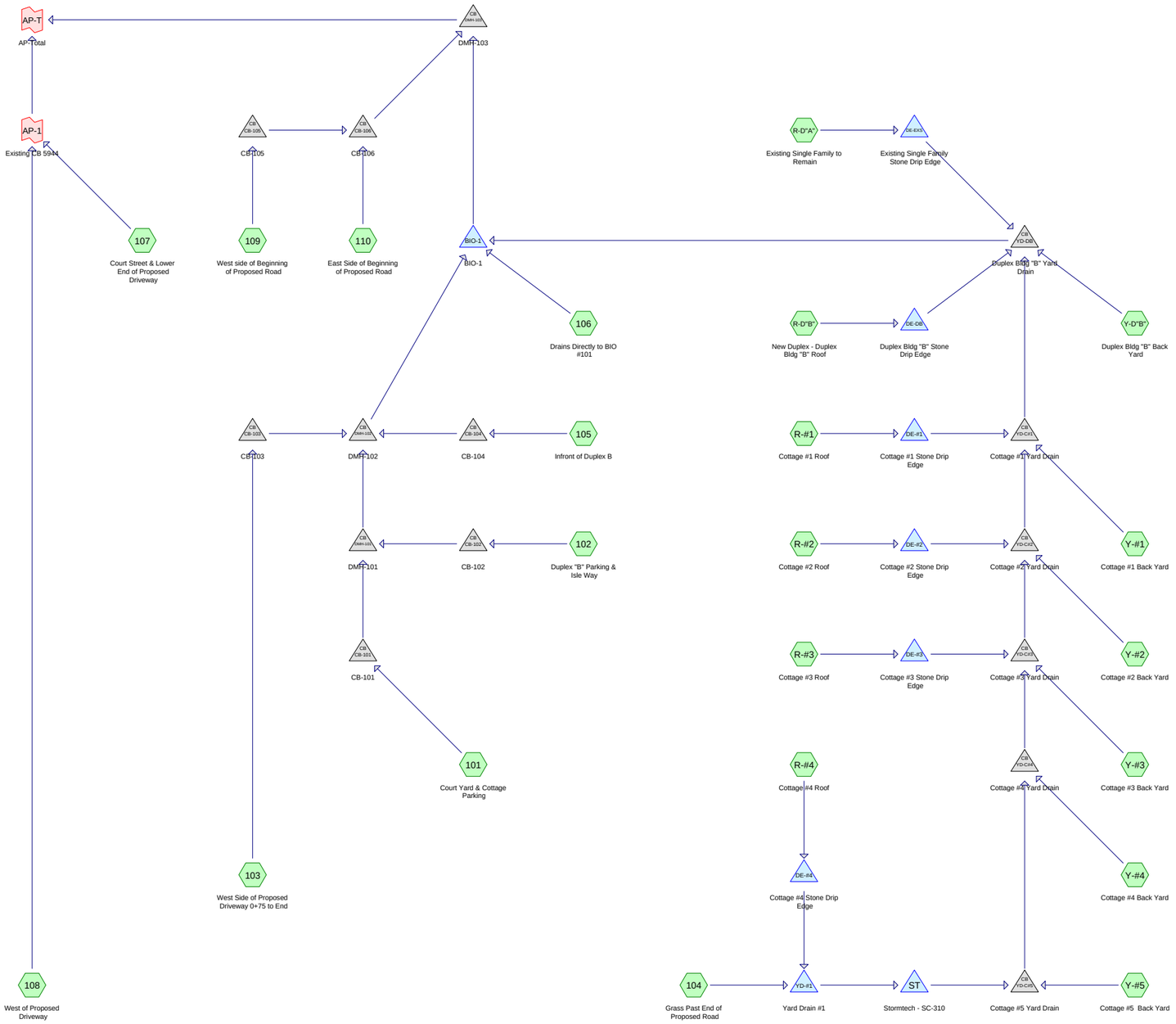
103 COURT STREET
DOVER, NEW HAMPSHIRE
STRAFFORD COUNTY

AUGUST 15, 2024 JOB No. 24101

SCALE: 1" = 30'

SHEET No. D-2

(P24-0012)



Subcat Reach Pond Link

Routing Diagram for 24101 - 103 COURT STREET - POST CONSTRUCTION - REV. PER TRC 10-24-24

Prepared by Tritech Engineering Corporation

HydroCAD® 10.20-5b s/n 00652 © 2023 HydroCAD Software Solutions LLC

Area Listing (all nodes)

Area (acres)	CN	Description (subcatchment-numbers)
0.093	39	>75% Grass cover, Good, HSG A (104, 108, Y-#5)
0.747	74	>75% Grass cover, Good, HSG C (101, 102, 104, 105, 106, 107, 108, Y-#1, Y-#2, Y-#3, Y-#4, Y-#5, Y-D"B")
0.039	80	>75% Grass cover, Good, HSG D (105, 106, 107, 108)
0.015	98	Paved parking, HSG A (104, 108, Y-#5)
0.246	98	Paved parking, HSG C (101, 102, 103, 104, 105, 107, 110)
0.092	98	Paved parking, HSG D (103, 105, 107, 109, 110)
0.120	98	Roofs, HSG C (R-#1, R-#2, R-#3, R-#4, R-D"A", R-D"B")
0.004	32	Woods/grass comb., Good, HSG A (108)
0.086	72	Woods/grass comb., Good, HSG C (108)
0.036	79	Woods/grass comb., Good, HSG D (108)
1.479	**80**	**TOTAL AREA**

Soil Listing (all nodes)

Area (acres)	Soil Group	Subcatchment Numbers
0.112	HSG A	104, 108, Y-#5
0.000	HSG B	
1.199	HSG C	101, 102, 103, 104, 105, 106, 107, 108, 110, R-#1, R-#2, R-#3, R-#4, R-D"A", R-D"B", Y-#1, Y-#2, Y-#3, Y-#4, Y-#5, Y-D"B"
0.168	HSG D	103, 105, 106, 107, 108, 109, 110
0.000	Other	
1.479		**TOTAL AREA**

Time span=0.00-28.00 hrs, dt=0.01 hrs, 2801 points x 3
Runoff by SCS TR-20 method, UH=SCS, Weighted-CN
Reach routing by Dyn-Stor-Ind method - Pond routing by Dyn-Stor-Ind method

Subcatchment 101: Court Yard & Cottage Runoff Area=5,240 sf 66.79% Impervious Runoff Depth=2.12"
Flow Length=190' Tc=8.9 min CN=90 Runoff=0.27 cfs 0.021 af

Subcatchment 102: Duplex "B" Parking & Runoff Area=4,110 sf 71.78% Impervious Runoff Depth=2.21"
Tc=6.0 min CN=91 Runoff=0.24 cfs 0.017 af

Subcatchment 103: West Side of Proposed Runoff Area=2,768 sf 100.00% Impervious Runoff Depth=2.92"
Tc=6.0 min CN=98 Runoff=0.19 cfs 0.015 af

Subcatchment 104: Grass Past End of Runoff Area=5,945 sf 8.92% Impervious Runoff Depth=0.36"
Tc=6.0 min CN=59 Runoff=0.03 cfs 0.004 af

Subcatchment 105: Infront of Duplex B Runoff Area=2,178 sf 70.48% Impervious Runoff Depth=2.21"
Tc=6.0 min CN=91 Runoff=0.13 cfs 0.009 af

Subcatchment 106: Drains Directly to BIO Runoff Area=3,763 sf 0.00% Impervious Runoff Depth=1.00"
Tc=6.0 min CN=74 Runoff=0.10 cfs 0.007 af

Subcatchment 107: Court Street & Lower Runoff Area=6,362 sf 43.23% Impervious Runoff Depth=1.64"
Flow Length=240' Tc=7.6 min CN=84 Runoff=0.27 cfs 0.020 af

Subcatchment 108: West of Proposed Runoff Area=12,140 sf 0.70% Impervious Runoff Depth=1.00"
Flow Length=430' Tc=7.8 min CN=74 Runoff=0.29 cfs 0.023 af

Subcatchment 109: West side of Beginning Runoff Area=532 sf 100.00% Impervious Runoff Depth=2.92"
Tc=6.0 min CN=98 Runoff=0.04 cfs 0.003 af

Subcatchment 110: East Side of Beginning Runoff Area=580 sf 100.00% Impervious Runoff Depth=2.92"
Tc=6.0 min CN=98 Runoff=0.04 cfs 0.003 af

Subcatchment R-#1: Cottage #1 Roof Runoff Area=810 sf 100.00% Impervious Runoff Depth=2.92"
Tc=6.0 min CN=98 Runoff=0.06 cfs 0.005 af

Subcatchment R-#2: Cottage #2 Roof Runoff Area=810 sf 100.00% Impervious Runoff Depth=2.92"
Tc=6.0 min CN=98 Runoff=0.06 cfs 0.005 af

Subcatchment R-#3: Cottage #3 Roof Runoff Area=810 sf 100.00% Impervious Runoff Depth=2.92"
Tc=6.0 min CN=98 Runoff=0.06 cfs 0.005 af

Subcatchment R-#4: Cottage #4 Roof Runoff Area=810 sf 100.00% Impervious Runoff Depth=2.92"
Tc=6.0 min CN=98 Runoff=0.06 cfs 0.005 af

Subcatchment R-D"A": Existing Single Runoff Area=945 sf 100.00% Impervious Runoff Depth=2.92"
Tc=6.0 min CN=98 Runoff=0.07 cfs 0.005 af

Subcatchment R-D"B": New Duplex - Runoff Area=1,038 sf 100.00% Impervious Runoff Depth=2.92"
Tc=6.0 min CN=98 Runoff=0.07 cfs 0.006 af

Subcatchment Y-#1: Cottage #1 Back Yard Runoff Area=2,350 sf 0.00% Impervious Runoff Depth=1.00"
Tc=6.0 min CN=74 Runoff=0.06 cfs 0.005 af

Subcatchment Y-#2: Cottage #2 Back Yard Runoff Area=2,014 sf 0.00% Impervious Runoff Depth=1.00"
Tc=6.0 min CN=74 Runoff=0.05 cfs 0.004 af

Subcatchment Y-#3: Cottage #3 Back Yard Runoff Area=2,624 sf 0.00% Impervious Runoff Depth=1.00"
Tc=6.0 min CN=74 Runoff=0.07 cfs 0.005 af

Subcatchment Y-#4: Cottage #4 Back Yard Runoff Area=2,650 sf 0.00% Impervious Runoff Depth=1.00"
Tc=6.0 min CN=74 Runoff=0.07 cfs 0.005 af

Subcatchment Y-#5: Cottage #5 Back Yard Runoff Area=2,120 sf 6.98% Impervious Runoff Depth=0.42"
Tc=6.0 min CN=61 Runoff=0.01 cfs 0.002 af

Subcatchment Y-D"B": Duplex Bldg "B" Runoff Area=3,838 sf 0.00% Impervious Runoff Depth=1.00"
Tc=6.0 min CN=74 Runoff=0.10 cfs 0.007 af

Pond BIO-1: BIO-1 Peak Elev=100.97' Storage=1,508 cf Inflow=1.46 cfs 0.122 af
Outflow=0.46 cfs 0.122 af

Pond CB-101: CB-101 Peak Elev=106.75' Inflow=0.27 cfs 0.021 af
12.0" Round Culvert n=0.012 L=33.0' S=0.0258 '/' Outflow=0.27 cfs 0.021 af

Pond CB-102: CB-102 Peak Elev=106.24' Inflow=0.24 cfs 0.017 af
12.0" Round Culvert n=0.012 L=10.0' S=0.0350 '/' Outflow=0.24 cfs 0.017 af

Pond CB-103: CB-103 Peak Elev=100.97' Inflow=0.19 cfs 0.015 af
12.0" Round Culvert n=0.012 L=15.0' S=0.0067 '/' Outflow=0.19 cfs 0.015 af

Pond CB-104: CB-104 Peak Elev=100.97' Inflow=0.13 cfs 0.009 af
12.0" Round Culvert n=0.012 L=5.0' S=0.0100 '/' Outflow=0.13 cfs 0.009 af

Pond CB-105: CB-105 Peak Elev=98.00' Inflow=0.04 cfs 0.003 af
12.0" Round Culvert n=0.012 L=15.0' S=0.0100 '/' Outflow=0.04 cfs 0.003 af

Pond CB-106: CB-106 Peak Elev=97.79' Inflow=0.08 cfs 0.006 af
12.0" Round Culvert n=0.012 L=20.0' S=0.0100 '/' Outflow=0.08 cfs 0.006 af

Pond DE-#1: Cottage #1 Stone Drip Edge Peak Elev=110.87' Storage=20 cf Inflow=0.06 cfs 0.005 af
Outflow=0.03 cfs 0.004 af

Pond DE-#2: Cottage #2 Stone Drip Edge Peak Elev=112.36' Storage=25 cf Inflow=0.06 cfs 0.005 af
Outflow=0.04 cfs 0.004 af

Pond DE-#3: Cottage #3 Stone Drip Edge Peak Elev=113.37' Storage=20 cf Inflow=0.06 cfs 0.005 af
Outflow=0.03 cfs 0.004 af

Pond DE-#4: Cottage #4 Stone Drip Edge Peak Elev=115.18' Storage=10 cf Inflow=0.06 cfs 0.005 af
Discarded=0.03 cfs 0.004 af Primary=0.02 cfs 0.000 af Outflow=0.05 cfs 0.005 af

Pond DE-DB: Duplex Bldg "B" Stone Drip Edge Peak Elev=106.32' Storage=26 cf Inflow=0.07 cfs 0.006 af
Outflow=0.05 cfs 0.006 af

Pond DE-EXS: Existing Single Family Stone Peak Elev=105.97' Storage=26 cf Inflow=0.07 cfs 0.005 af
Outflow=0.04 cfs 0.005 af

Pond DMH-101: DMH-101 Peak Elev=105.90' Inflow=0.50 cfs 0.039 af
12.0" Round Culvert n=0.012 L=104.0' S=0.0514 '/' Outflow=0.50 cfs 0.039 af

Pond DMH-102: DMH-102 Peak Elev=100.97' Inflow=0.82 cfs 0.063 af
15.0" Round Culvert n=0.012 L=16.0' S=0.0062 '/' Outflow=0.82 cfs 0.063 af

Pond DMH-103: DMH-103 Peak Elev=91.19' Inflow=0.48 cfs 0.128 af
18.0" Round Culvert n=0.013 L=85.0' S=0.0033 '/' Outflow=0.48 cfs 0.128 af

Pond ST: Stormtech - SC-310 Peak Elev=113.57' Storage=7 cf Inflow=0.05 cfs 0.004 af
Discarded=0.04 cfs 0.004 af Primary=0.00 cfs 0.000 af Outflow=0.04 cfs 0.004 af

Pond YD-#1: Yard Drain #1 Peak Elev=114.26' Storage=0 cf Inflow=0.05 cfs 0.004 af
6.0" Round Culvert n=0.012 L=25.0' S=0.0040 '/' Outflow=0.05 cfs 0.004 af

Pond YD-C#1: Cottage #1 Yard Drain Peak Elev=107.24' Inflow=0.36 cfs 0.033 af
12.0" Round Culvert n=0.012 L=93.0' S=0.0258 '/' Outflow=0.36 cfs 0.033 af

Pond YD-C#2: Cottage #2 Yard Drain Peak Elev=109.19' Inflow=0.27 cfs 0.024 af
12.0" Round Culvert n=0.012 L=45.0' S=0.0422 '/' Outflow=0.27 cfs 0.024 af

Pond YD-C#3: Cottage #3 Yard Drain Peak Elev=110.13' Inflow=0.18 cfs 0.016 af
12.0" Round Culvert n=0.012 L=48.0' S=0.0188 '/' Outflow=0.18 cfs 0.016 af

Pond YD-C#4: Cottage #4 Yard Drain Peak Elev=111.05' Inflow=0.08 cfs 0.007 af
12.0" Round Culvert n=0.012 L=49.0' S=0.0184 '/' Outflow=0.08 cfs 0.007 af

Pond YD-C#5: Cottage #5 Yard Drain Peak Elev=112.96' Inflow=0.01 cfs 0.002 af
12.0" Round Culvert n=0.012 L=52.0' S=0.0365 '/' Outflow=0.01 cfs 0.002 af

Pond YD-DB: Duplex Bldg "B" Yard Drain Peak Elev=104.82' Inflow=0.55 cfs 0.051 af
12.0" Round Culvert n=0.012 L=47.0' S=0.0298 '/' Outflow=0.55 cfs 0.051 af

Link AP-1: Existing CB 5944 Inflow=0.56 cfs 0.043 af
Primary=0.56 cfs 0.043 af

Link AP-T: AP-Total Inflow=0.82 cfs 0.171 af
Primary=0.82 cfs 0.171 af

Total Runoff Area = 1.479 ac Runoff Volume = 0.181 af Average Runoff Depth = 1.47"
68.03% Pervious = 1.006 ac 31.97% Impervious = 0.473 ac

Time span=0.00-28.00 hrs, dt=0.01 hrs, 2801 points x 3
Runoff by SCS TR-20 method, UH=SCS, Weighted-CN
Reach routing by Dyn-Stor-Ind method - Pond routing by Dyn-Stor-Ind method

Subcatchment 101: Court Yard & Cottage Runoff Area=5,240 sf 66.79% Impervious Runoff Depth=3.65"
Flow Length=190' Tc=8.9 min CN=90 Runoff=0.45 cfs 0.037 af

Subcatchment 102: Duplex "B" Parking & Runoff Area=4,110 sf 71.78% Impervious Runoff Depth=3.75"
Tc=6.0 min CN=91 Runoff=0.40 cfs 0.029 af

Subcatchment 103: West Side of Proposed Runoff Area=2,768 sf 100.00% Impervious Runoff Depth=4.52"
Tc=6.0 min CN=98 Runoff=0.30 cfs 0.024 af

Subcatchment 104: Grass Past End of Runoff Area=5,945 sf 8.92% Impervious Runoff Depth=1.10"
Tc=6.0 min CN=59 Runoff=0.15 cfs 0.013 af

Subcatchment 105: Infront of Duplex B Runoff Area=2,178 sf 70.48% Impervious Runoff Depth=3.75"
Tc=6.0 min CN=91 Runoff=0.21 cfs 0.016 af

Subcatchment 106: Drains Directly to BIO Runoff Area=3,763 sf 0.00% Impervious Runoff Depth=2.17"
Tc=6.0 min CN=74 Runoff=0.22 cfs 0.016 af

Subcatchment 107: Court Street & Lower Runoff Area=6,362 sf 43.23% Impervious Runoff Depth=3.05"
Flow Length=240' Tc=7.6 min CN=84 Runoff=0.49 cfs 0.037 af

Subcatchment 108: West of Proposed Runoff Area=12,140 sf 0.70% Impervious Runoff Depth=2.17"
Flow Length=430' Tc=7.8 min CN=74 Runoff=0.66 cfs 0.050 af

Subcatchment 109: West side of Beginning Runoff Area=532 sf 100.00% Impervious Runoff Depth=4.52"
Tc=6.0 min CN=98 Runoff=0.06 cfs 0.005 af

Subcatchment 110: East Side of Beginning Runoff Area=580 sf 100.00% Impervious Runoff Depth=4.52"
Tc=6.0 min CN=98 Runoff=0.06 cfs 0.005 af

Subcatchment R-#1: Cottage #1 Roof Runoff Area=810 sf 100.00% Impervious Runoff Depth=4.52"
Tc=6.0 min CN=98 Runoff=0.09 cfs 0.007 af

Subcatchment R-#2: Cottage #2 Roof Runoff Area=810 sf 100.00% Impervious Runoff Depth=4.52"
Tc=6.0 min CN=98 Runoff=0.09 cfs 0.007 af

Subcatchment R-#3: Cottage #3 Roof Runoff Area=810 sf 100.00% Impervious Runoff Depth=4.52"
Tc=6.0 min CN=98 Runoff=0.09 cfs 0.007 af

Subcatchment R-#4: Cottage #4 Roof Runoff Area=810 sf 100.00% Impervious Runoff Depth=4.52"
Tc=6.0 min CN=98 Runoff=0.09 cfs 0.007 af

Subcatchment R-D"A": Existing Single Runoff Area=945 sf 100.00% Impervious Runoff Depth=4.52"
Tc=6.0 min CN=98 Runoff=0.10 cfs 0.008 af

Subcatchment R-D"B": New Duplex - Runoff Area=1,038 sf 100.00% Impervious Runoff Depth=4.52"
Tc=6.0 min CN=98 Runoff=0.11 cfs 0.009 af

Subcatchment Y-#1: Cottage #1 Back Yard Runoff Area=2,350 sf 0.00% Impervious Runoff Depth=2.17"
Tc=6.0 min CN=74 Runoff=0.14 cfs 0.010 af

Subcatchment Y-#2: Cottage #2 Back Yard Runoff Area=2,014 sf 0.00% Impervious Runoff Depth=2.17"
Tc=6.0 min CN=74 Runoff=0.12 cfs 0.008 af

Subcatchment Y-#3: Cottage #3 Back Yard Runoff Area=2,624 sf 0.00% Impervious Runoff Depth=2.17"
Tc=6.0 min CN=74 Runoff=0.15 cfs 0.011 af

Subcatchment Y-#4: Cottage #4 Back Yard Runoff Area=2,650 sf 0.00% Impervious Runoff Depth=2.17"
Tc=6.0 min CN=74 Runoff=0.15 cfs 0.011 af

Subcatchment Y-#5: Cottage #5 Back Yard Runoff Area=2,120 sf 6.98% Impervious Runoff Depth=1.23"
Tc=6.0 min CN=61 Runoff=0.06 cfs 0.005 af

Subcatchment Y-D"B": Duplex Bldg "B" Runoff Area=3,838 sf 0.00% Impervious Runoff Depth=2.17"
Tc=6.0 min CN=74 Runoff=0.22 cfs 0.016 af

Pond BIO-1: BIO-1 Peak Elev=102.12' Storage=2,255 cf Inflow=2.59 cfs 0.220 af
Outflow=1.15 cfs 0.220 af

Pond CB-101: CB-101 Peak Elev=106.83' Inflow=0.45 cfs 0.037 af
12.0" Round Culvert n=0.012 L=33.0' S=0.0258 '/' Outflow=0.45 cfs 0.037 af

Pond CB-102: CB-102 Peak Elev=106.31' Inflow=0.40 cfs 0.029 af
12.0" Round Culvert n=0.012 L=10.0' S=0.0350 '/' Outflow=0.40 cfs 0.029 af

Pond CB-103: CB-103 Peak Elev=102.13' Inflow=0.30 cfs 0.024 af
12.0" Round Culvert n=0.012 L=15.0' S=0.0067 '/' Outflow=0.30 cfs 0.024 af

Pond CB-104: CB-104 Peak Elev=102.13' Inflow=0.21 cfs 0.016 af
12.0" Round Culvert n=0.012 L=5.0' S=0.0100 '/' Outflow=0.21 cfs 0.016 af

Pond CB-105: CB-105 Peak Elev=98.02' Inflow=0.06 cfs 0.005 af
12.0" Round Culvert n=0.012 L=15.0' S=0.0100 '/' Outflow=0.06 cfs 0.005 af

Pond CB-106: CB-106 Peak Elev=97.82' Inflow=0.12 cfs 0.010 af
12.0" Round Culvert n=0.012 L=20.0' S=0.0100 '/' Outflow=0.12 cfs 0.010 af

Pond DE-#1: Cottage #1 Stone Drip Edge Peak Elev=111.23' Storage=40 cf Inflow=0.09 cfs 0.007 af
Outflow=0.04 cfs 0.007 af

Pond DE-#2: Cottage #2 Stone Drip Edge Peak Elev=112.72' Storage=44 cf Inflow=0.09 cfs 0.007 af
Outflow=0.04 cfs 0.007 af

Pond DE-#3: Cottage #3 Stone Drip Edge Peak Elev=113.73' Storage=40 cf Inflow=0.09 cfs 0.007 af
Outflow=0.04 cfs 0.007 af

Pond DE-#4: Cottage #4 Stone Drip Edge Peak Elev=115.23' Storage=13 cf Inflow=0.09 cfs 0.007 af
Discarded=0.03 cfs 0.006 af Primary=0.05 cfs 0.001 af Outflow=0.08 cfs 0.007 af

Pond DE-DB: Duplex Bldg "B" Stone Drip Edge Peak Elev=106.61' Storage=49 cf Inflow=0.11 cfs 0.009 af
Outflow=0.05 cfs 0.009 af

Pond DE-EXS: Existing Single Family Stone Peak Elev=106.46' Storage=52 cf Inflow=0.10 cfs 0.008 af
Outflow=0.04 cfs 0.008 af

Pond DMH-101: DMH-101 Peak Elev=106.02' Inflow=0.83 cfs 0.066 af
12.0" Round Culvert n=0.012 L=104.0' S=0.0514 '/' Outflow=0.83 cfs 0.066 af

Pond DMH-102: DMH-102 Peak Elev=102.13' Inflow=1.33 cfs 0.106 af
15.0" Round Culvert n=0.012 L=16.0' S=0.0062 '/' Outflow=1.33 cfs 0.106 af

Pond DMH-103: DMH-103 Peak Elev=91.42' Inflow=1.19 cfs 0.229 af
18.0" Round Culvert n=0.013 L=85.0' S=0.0033 '/' Outflow=1.19 cfs 0.229 af

Pond ST: Stormtech - SC-310 Peak Elev=114.24' Storage=99 cf Inflow=0.20 cfs 0.013 af
Discarded=0.07 cfs 0.013 af Primary=0.00 cfs 0.000 af Outflow=0.07 cfs 0.013 af

Pond YD-#1: Yard Drain #1 Peak Elev=114.46' Storage=0 cf Inflow=0.20 cfs 0.013 af
6.0" Round Culvert n=0.012 L=25.0' S=0.0040 '/' Outflow=0.20 cfs 0.013 af

Pond YD-C#1: Cottage #1 Yard Drain Peak Elev=107.39' Inflow=0.73 cfs 0.066 af
12.0" Round Culvert n=0.012 L=93.0' S=0.0258 '/' Outflow=0.73 cfs 0.066 af

Pond YD-C#2: Cottage #2 Yard Drain Peak Elev=109.33' Inflow=0.56 cfs 0.049 af
12.0" Round Culvert n=0.012 L=45.0' S=0.0422 '/' Outflow=0.56 cfs 0.049 af

Pond YD-C#3: Cottage #3 Yard Drain Peak Elev=110.26' Inflow=0.41 cfs 0.034 af
12.0" Round Culvert n=0.012 L=48.0' S=0.0188 '/' Outflow=0.41 cfs 0.034 af

Pond YD-C#4: Cottage #4 Yard Drain Peak Elev=111.16' Inflow=0.22 cfs 0.016 af
12.0" Round Culvert n=0.012 L=49.0' S=0.0184 '/' Outflow=0.22 cfs 0.016 af

Pond YD-C#5: Cottage #5 Yard Drain Peak Elev=113.03' Inflow=0.06 cfs 0.005 af
12.0" Round Culvert n=0.012 L=52.0' S=0.0365 '/' Outflow=0.06 cfs 0.005 af

Pond YD-DB: Duplex Bldg "B" Yard Drain Peak Elev=105.01' Inflow=1.04 cfs 0.098 af
12.0" Round Culvert n=0.012 L=47.0' S=0.0298 '/' Outflow=1.04 cfs 0.098 af

Link AP-1: Existing CB 5944 Inflow=1.15 cfs 0.088 af
Primary=1.15 cfs 0.088 af

Link AP-T: AP-Total Inflow=2.17 cfs 0.317 af
Primary=2.17 cfs 0.317 af

Total Runoff Area = 1.479 ac Runoff Volume = 0.337 af Average Runoff Depth = 2.74"
68.03% Pervious = 1.006 ac 31.97% Impervious = 0.473 ac

Time span=0.00-28.00 hrs, dt=0.01 hrs, 2801 points x 3
Runoff by SCS TR-20 method, UH=SCS, Weighted-CN
Reach routing by Dyn-Stor-Ind method - Pond routing by Dyn-Stor-Ind method

Subcatchment 101: Court Yard & Cottage Runoff Area=5,240 sf 66.79% Impervious Runoff Depth=4.86"
Flow Length=190' Tc=8.9 min CN=90 Runoff=0.59 cfs 0.049 af

Subcatchment 102: Duplex "B" Parking & Runoff Area=4,110 sf 71.78% Impervious Runoff Depth=4.97"
Tc=6.0 min CN=91 Runoff=0.52 cfs 0.039 af

Subcatchment 103: West Side of Proposed Runoff Area=2,768 sf 100.00% Impervious Runoff Depth=5.77"
Tc=6.0 min CN=98 Runoff=0.37 cfs 0.031 af

Subcatchment 104: Grass Past End of Runoff Area=5,945 sf 8.92% Impervious Runoff Depth=1.85"
Tc=6.0 min CN=59 Runoff=0.28 cfs 0.021 af

Subcatchment 105: Infront of Duplex B Runoff Area=2,178 sf 70.48% Impervious Runoff Depth=4.97"
Tc=6.0 min CN=91 Runoff=0.28 cfs 0.021 af

Subcatchment 106: Drains Directly to BIO Runoff Area=3,763 sf 0.00% Impervious Runoff Depth=3.19"
Tc=6.0 min CN=74 Runoff=0.32 cfs 0.023 af

Subcatchment 107: Court Street & Lower Runoff Area=6,362 sf 43.23% Impervious Runoff Depth=4.21"
Flow Length=240' Tc=7.6 min CN=84 Runoff=0.67 cfs 0.051 af

Subcatchment 108: West of Proposed Runoff Area=12,140 sf 0.70% Impervious Runoff Depth=3.19"
Flow Length=430' Tc=7.8 min CN=74 Runoff=0.98 cfs 0.074 af

Subcatchment 109: West side of Beginning Runoff Area=532 sf 100.00% Impervious Runoff Depth=5.77"
Tc=6.0 min CN=98 Runoff=0.07 cfs 0.006 af

Subcatchment 110: East Side of Beginning Runoff Area=580 sf 100.00% Impervious Runoff Depth=5.77"
Tc=6.0 min CN=98 Runoff=0.08 cfs 0.006 af

Subcatchment R-#1: Cottage #1 Roof Runoff Area=810 sf 100.00% Impervious Runoff Depth=5.77"
Tc=6.0 min CN=98 Runoff=0.11 cfs 0.009 af

Subcatchment R-#2: Cottage #2 Roof Runoff Area=810 sf 100.00% Impervious Runoff Depth=5.77"
Tc=6.0 min CN=98 Runoff=0.11 cfs 0.009 af

Subcatchment R-#3: Cottage #3 Roof Runoff Area=810 sf 100.00% Impervious Runoff Depth=5.77"
Tc=6.0 min CN=98 Runoff=0.11 cfs 0.009 af

Subcatchment R-#4: Cottage #4 Roof Runoff Area=810 sf 100.00% Impervious Runoff Depth=5.77"
Tc=6.0 min CN=98 Runoff=0.11 cfs 0.009 af

Subcatchment R-D"A": Existing Single Runoff Area=945 sf 100.00% Impervious Runoff Depth=5.77"
Tc=6.0 min CN=98 Runoff=0.13 cfs 0.010 af

Subcatchment R-D"B": New Duplex - Runoff Area=1,038 sf 100.00% Impervious Runoff Depth=5.77"
Tc=6.0 min CN=98 Runoff=0.14 cfs 0.011 af

Subcatchment Y-#1: Cottage #1 Back Yard Runoff Area=2,350 sf 0.00% Impervious Runoff Depth=3.19"
Tc=6.0 min CN=74 Runoff=0.20 cfs 0.014 af

Subcatchment Y-#2: Cottage #2 Back Yard Runoff Area=2,014 sf 0.00% Impervious Runoff Depth=3.19"
Tc=6.0 min CN=74 Runoff=0.17 cfs 0.012 af

Subcatchment Y-#3: Cottage #3 Back Yard Runoff Area=2,624 sf 0.00% Impervious Runoff Depth=3.19"
Tc=6.0 min CN=74 Runoff=0.23 cfs 0.016 af

Subcatchment Y-#4: Cottage #4 Back Yard Runoff Area=2,650 sf 0.00% Impervious Runoff Depth=3.19"
Tc=6.0 min CN=74 Runoff=0.23 cfs 0.016 af

Subcatchment Y-#5: Cottage #5 Back Yard Runoff Area=2,120 sf 6.98% Impervious Runoff Depth=2.01"
Tc=6.0 min CN=61 Runoff=0.11 cfs 0.008 af

Subcatchment Y-D"B": Duplex Bldg "B" Runoff Area=3,838 sf 0.00% Impervious Runoff Depth=3.19"
Tc=6.0 min CN=74 Runoff=0.33 cfs 0.023 af

Pond BIO-1: BIO-1 Peak Elev=103.10' Storage=3,240 cf Inflow=3.53 cfs 0.303 af
Outflow=1.44 cfs 0.303 af

Pond CB-101: CB-101 Peak Elev=106.89' Inflow=0.59 cfs 0.049 af
12.0" Round Culvert n=0.012 L=33.0' S=0.0258 '/' Outflow=0.59 cfs 0.049 af

Pond CB-102: CB-102 Peak Elev=106.36' Inflow=0.52 cfs 0.039 af
12.0" Round Culvert n=0.012 L=10.0' S=0.0350 '/' Outflow=0.52 cfs 0.039 af

Pond CB-103: CB-103 Peak Elev=103.11' Inflow=0.37 cfs 0.031 af
12.0" Round Culvert n=0.012 L=15.0' S=0.0067 '/' Outflow=0.37 cfs 0.031 af

Pond CB-104: CB-104 Peak Elev=103.11' Inflow=0.28 cfs 0.021 af
12.0" Round Culvert n=0.012 L=5.0' S=0.0100 '/' Outflow=0.28 cfs 0.021 af

Pond CB-105: CB-105 Peak Elev=98.03' Inflow=0.07 cfs 0.006 af
12.0" Round Culvert n=0.012 L=15.0' S=0.0100 '/' Outflow=0.07 cfs 0.006 af

Pond CB-106: CB-106 Peak Elev=97.84' Inflow=0.15 cfs 0.012 af
12.0" Round Culvert n=0.012 L=20.0' S=0.0100 '/' Outflow=0.15 cfs 0.012 af

Pond DE-#1: Cottage #1 Stone Drip Edge Peak Elev=111.60' Storage=60 cf Inflow=0.11 cfs 0.009 af
Outflow=0.04 cfs 0.009 af

Pond DE-#2: Cottage #2 Stone Drip Edge Peak Elev=113.03' Storage=64 cf Inflow=0.11 cfs 0.009 af
Outflow=0.04 cfs 0.009 af

Pond DE-#3: Cottage #3 Stone Drip Edge Peak Elev=114.10' Storage=60 cf Inflow=0.11 cfs 0.009 af
Outflow=0.04 cfs 0.009 af

Pond DE-#4: Cottage #4 Stone Drip Edge Peak Elev=115.26' Storage=15 cf Inflow=0.11 cfs 0.009 af
Discarded=0.03 cfs 0.008 af Primary=0.08 cfs 0.001 af Outflow=0.11 cfs 0.009 af

Pond DE-DB: Duplex Bldg "B" Stone Drip Edge Peak Elev=106.90' Storage=73 cf Inflow=0.14 cfs 0.011 af
Outflow=0.06 cfs 0.011 af

Pond DE-EXS: Existing Single Family Stone Peak Elev=106.93' Storage=78 cf Inflow=0.13 cfs 0.010 af
Outflow=0.04 cfs 0.010 af

Pond DMH-101: DMH-101 Peak Elev=106.09' Inflow=1.09 cfs 0.088 af
12.0" Round Culvert n=0.012 L=104.0' S=0.0514 '/' Outflow=1.09 cfs 0.088 af

Pond DMH-102: DMH-102 Peak Elev=103.11' Inflow=1.73 cfs 0.139 af
15.0" Round Culvert n=0.012 L=16.0' S=0.0062 '/' Outflow=1.73 cfs 0.139 af

Pond DMH-103: DMH-103 Peak Elev=91.50' Inflow=1.49 cfs 0.315 af
18.0" Round Culvert n=0.013 L=85.0' S=0.0033 '/' Outflow=1.49 cfs 0.315 af

Pond ST: Stormtech - SC-310 Peak Elev=114.70' Storage=178 cf Inflow=0.35 cfs 0.022 af
Discarded=0.08 cfs 0.020 af Primary=0.11 cfs 0.002 af Outflow=0.18 cfs 0.022 af

Pond YD-#1: Yard Drain #1 Peak Elev=114.76' Storage=1 cf Inflow=0.35 cfs 0.022 af
6.0" Round Culvert n=0.012 L=25.0' S=0.0040 '/' Outflow=0.35 cfs 0.022 af

Pond YD-C#1: Cottage #1 Yard Drain Peak Elev=107.51' Inflow=1.05 cfs 0.096 af
12.0" Round Culvert n=0.012 L=93.0' S=0.0258 '/' Outflow=1.05 cfs 0.096 af

Pond YD-C#2: Cottage #2 Yard Drain Peak Elev=109.42' Inflow=0.81 cfs 0.072 af
12.0" Round Culvert n=0.012 L=45.0' S=0.0422 '/' Outflow=0.81 cfs 0.072 af

Pond YD-C#3: Cottage #3 Yard Drain Peak Elev=110.34' Inflow=0.60 cfs 0.051 af
12.0" Round Culvert n=0.012 L=48.0' S=0.0188 '/' Outflow=0.60 cfs 0.051 af

Pond YD-C#4: Cottage #4 Yard Drain Peak Elev=111.22' Inflow=0.34 cfs 0.027 af
12.0" Round Culvert n=0.012 L=49.0' S=0.0184 '/' Outflow=0.34 cfs 0.027 af

Pond YD-C#5: Cottage #5 Yard Drain Peak Elev=113.12' Inflow=0.17 cfs 0.010 af
12.0" Round Culvert n=0.012 L=52.0' S=0.0365 '/' Outflow=0.17 cfs 0.010 af

Pond YD-DB: Duplex Bldg "B" Yard Drain Peak Elev=105.15' Inflow=1.48 cfs 0.141 af
12.0" Round Culvert n=0.012 L=47.0' S=0.0298 '/' Outflow=1.48 cfs 0.141 af

Link AP-1: Existing CB 5944 Inflow=1.65 cfs 0.125 af
Primary=1.65 cfs 0.125 af

Link AP-T: AP-Total Inflow=3.01 cfs 0.440 af
Primary=3.01 cfs 0.440 af

Total Runoff Area = 1.479 ac Runoff Volume = 0.469 af Average Runoff Depth = 3.80"
68.03% Pervious = 1.006 ac 31.97% Impervious = 0.473 ac

Time span=0.00-28.00 hrs, dt=0.01 hrs, 2801 points x 3
Runoff by SCS TR-20 method, UH=SCS, Weighted-CN
Reach routing by Dyn-Stor-Ind method - Pond routing by Dyn-Stor-Ind method

Subcatchment 101: Court Yard & Cottage Runoff Area=5,240 sf 66.79% Impervious Runoff Depth=6.01"
Flow Length=190' Tc=8.9 min CN=90 Runoff=0.72 cfs 0.060 af

Subcatchment 102: Duplex "B" Parking & Runoff Area=4,110 sf 71.78% Impervious Runoff Depth=6.13"
Tc=6.0 min CN=91 Runoff=0.63 cfs 0.048 af

Subcatchment 103: West Side of Proposed Runoff Area=2,768 sf 100.00% Impervious Runoff Depth=6.95"
Tc=6.0 min CN=98 Runoff=0.45 cfs 0.037 af

Subcatchment 104: Grass Past End of Runoff Area=5,945 sf 8.92% Impervious Runoff Depth=2.64"
Tc=6.0 min CN=59 Runoff=0.41 cfs 0.030 af

Subcatchment 105: Infront of Duplex B Runoff Area=2,178 sf 70.48% Impervious Runoff Depth=6.13"
Tc=6.0 min CN=91 Runoff=0.34 cfs 0.026 af

Subcatchment 106: Drains Directly to BIO Runoff Area=3,763 sf 0.00% Impervious Runoff Depth=4.21"
Tc=6.0 min CN=74 Runoff=0.43 cfs 0.030 af

Subcatchment 107: Court Street & Lower Runoff Area=6,362 sf 43.23% Impervious Runoff Depth=5.32"
Flow Length=240' Tc=7.6 min CN=84 Runoff=0.84 cfs 0.065 af

Subcatchment 108: West of Proposed Runoff Area=12,140 sf 0.70% Impervious Runoff Depth=4.21"
Flow Length=430' Tc=7.8 min CN=74 Runoff=1.29 cfs 0.098 af

Subcatchment 109: West side of Beginning Runoff Area=532 sf 100.00% Impervious Runoff Depth=6.95"
Tc=6.0 min CN=98 Runoff=0.09 cfs 0.007 af

Subcatchment 110: East Side of Beginning Runoff Area=580 sf 100.00% Impervious Runoff Depth=6.95"
Tc=6.0 min CN=98 Runoff=0.09 cfs 0.008 af

Subcatchment R-#1: Cottage #1 Roof Runoff Area=810 sf 100.00% Impervious Runoff Depth=6.95"
Tc=6.0 min CN=98 Runoff=0.13 cfs 0.011 af

Subcatchment R-#2: Cottage #2 Roof Runoff Area=810 sf 100.00% Impervious Runoff Depth=6.95"
Tc=6.0 min CN=98 Runoff=0.13 cfs 0.011 af

Subcatchment R-#3: Cottage #3 Roof Runoff Area=810 sf 100.00% Impervious Runoff Depth=6.95"
Tc=6.0 min CN=98 Runoff=0.13 cfs 0.011 af

Subcatchment R-#4: Cottage #4 Roof Runoff Area=810 sf 100.00% Impervious Runoff Depth=6.95"
Tc=6.0 min CN=98 Runoff=0.13 cfs 0.011 af

Subcatchment R-D"A": Existing Single Runoff Area=945 sf 100.00% Impervious Runoff Depth=6.95"
Tc=6.0 min CN=98 Runoff=0.15 cfs 0.013 af

Subcatchment R-D"B": New Duplex - Runoff Area=1,038 sf 100.00% Impervious Runoff Depth=6.95"
Tc=6.0 min CN=98 Runoff=0.17 cfs 0.014 af

Subcatchment Y-#1: Cottage #1 Back Yard Runoff Area=2,350 sf 0.00% Impervious Runoff Depth=4.21"
Tc=6.0 min CN=74 Runoff=0.27 cfs 0.019 af

Subcatchment Y-#2: Cottage #2 Back Yard Runoff Area=2,014 sf 0.00% Impervious Runoff Depth=4.21"
Tc=6.0 min CN=74 Runoff=0.23 cfs 0.016 af

Subcatchment Y-#3: Cottage #3 Back Yard Runoff Area=2,624 sf 0.00% Impervious Runoff Depth=4.21"
Tc=6.0 min CN=74 Runoff=0.30 cfs 0.021 af

Subcatchment Y-#4: Cottage #4 Back Yard Runoff Area=2,650 sf 0.00% Impervious Runoff Depth=4.21"
Tc=6.0 min CN=74 Runoff=0.30 cfs 0.021 af

Subcatchment Y-#5: Cottage #5 Back Yard Runoff Area=2,120 sf 6.98% Impervious Runoff Depth=2.84"
Tc=6.0 min CN=61 Runoff=0.16 cfs 0.012 af

Subcatchment Y-D"B": Duplex Bldg "B" Runoff Area=3,838 sf 0.00% Impervious Runoff Depth=4.21"
Tc=6.0 min CN=74 Runoff=0.43 cfs 0.031 af

Pond BIO-1: BIO-1 Peak Elev=103.58' Storage=3,818 cf Inflow=4.53 cfs 0.386 af
Outflow=2.84 cfs 0.386 af

Pond CB-101: CB-101 Peak Elev=106.93' Inflow=0.72 cfs 0.060 af
12.0" Round Culvert n=0.012 L=33.0' S=0.0258 '/' Outflow=0.72 cfs 0.060 af

Pond CB-102: CB-102 Peak Elev=106.42' Inflow=0.63 cfs 0.048 af
12.0" Round Culvert n=0.012 L=10.0' S=0.0350 '/' Outflow=0.63 cfs 0.048 af

Pond CB-103: CB-103 Peak Elev=103.63' Inflow=0.45 cfs 0.037 af
12.0" Round Culvert n=0.012 L=15.0' S=0.0067 '/' Outflow=0.45 cfs 0.037 af

Pond CB-104: CB-104 Peak Elev=103.63' Inflow=0.34 cfs 0.026 af
12.0" Round Culvert n=0.012 L=5.0' S=0.0100 '/' Outflow=0.34 cfs 0.026 af

Pond CB-105: CB-105 Peak Elev=98.05' Inflow=0.09 cfs 0.007 af
12.0" Round Culvert n=0.012 L=15.0' S=0.0100 '/' Outflow=0.09 cfs 0.007 af

Pond CB-106: CB-106 Peak Elev=97.86' Inflow=0.18 cfs 0.015 af
12.0" Round Culvert n=0.012 L=20.0' S=0.0100 '/' Outflow=0.18 cfs 0.015 af

Pond DE-#1: Cottage #1 Stone Drip Edge Peak Elev=111.99' Storage=81 cf Inflow=0.13 cfs 0.011 af
Outflow=0.05 cfs 0.011 af

Pond DE-#2: Cottage #2 Stone Drip Edge Peak Elev=113.20' Storage=86 cf Inflow=0.13 cfs 0.011 af
Outflow=0.04 cfs 0.011 af

Pond DE-#3: Cottage #3 Stone Drip Edge Peak Elev=114.49' Storage=81 cf Inflow=0.13 cfs 0.011 af
Outflow=0.05 cfs 0.011 af

Pond DE-#4: Cottage #4 Stone Drip Edge Peak Elev=115.34' Storage=19 cf Inflow=0.13 cfs 0.011 af
Discarded=0.03 cfs 0.009 af Primary=0.09 cfs 0.002 af Outflow=0.12 cfs 0.011 af

Pond DE-DB: Duplex Bldg "B" Stone Drip Edge Peak Elev=107.23' Storage=99 cf Inflow=0.17 cfs 0.014 af
Outflow=0.06 cfs 0.014 af

Pond DE-EXS: Existing Single Family Stone Peak Elev=107.40' Storage=103 cf Inflow=0.15 cfs 0.013 af
Outflow=0.05 cfs 0.012 af

Pond DMH-101: DMH-101 Peak Elev=106.16' Inflow=1.33 cfs 0.108 af
12.0" Round Culvert n=0.012 L=104.0' S=0.0514 '/' Outflow=1.33 cfs 0.108 af

Pond DMH-102: DMH-102 Peak Elev=103.63' Inflow=2.10 cfs 0.171 af
15.0" Round Culvert n=0.012 L=16.0' S=0.0062 '/' Outflow=2.10 cfs 0.171 af

Pond DMH-103: DMH-103 Peak Elev=91.83' Inflow=2.93 cfs 0.400 af
18.0" Round Culvert n=0.013 L=85.0' S=0.0033 '/' Outflow=2.93 cfs 0.400 af

Pond ST: Stormtech - SC-310 Peak Elev=114.87' Storage=206 cf Inflow=0.49 cfs 0.032 af
Discarded=0.08 cfs 0.025 af Primary=0.32 cfs 0.007 af Outflow=0.40 cfs 0.032 af

Pond YD-#1: Yard Drain #1 Peak Elev=115.21' Storage=1 cf Inflow=0.49 cfs 0.032 af
6.0" Round Culvert n=0.012 L=25.0' S=0.0040 '/' Outflow=0.49 cfs 0.032 af

Pond YD-C#1: Cottage #1 Yard Drain Peak Elev=107.67' Inflow=1.53 cfs 0.128 af
12.0" Round Culvert n=0.012 L=93.0' S=0.0258 '/' Outflow=1.53 cfs 0.128 af

Pond YD-C#2: Cottage #2 Yard Drain Peak Elev=109.57' Inflow=1.24 cfs 0.098 af
12.0" Round Culvert n=0.012 L=45.0' S=0.0422 '/' Outflow=1.24 cfs 0.098 af

Pond YD-C#3: Cottage #3 Yard Drain Peak Elev=110.49' Inflow=0.99 cfs 0.071 af
12.0" Round Culvert n=0.012 L=48.0' S=0.0188 '/' Outflow=0.99 cfs 0.071 af

Pond YD-C#4: Cottage #4 Yard Drain Peak Elev=111.38' Inflow=0.69 cfs 0.040 af
12.0" Round Culvert n=0.012 L=49.0' S=0.0184 '/' Outflow=0.69 cfs 0.040 af

Pond YD-C#5: Cottage #5 Yard Drain Peak Elev=113.28' Inflow=0.45 cfs 0.018 af
12.0" Round Culvert n=0.012 L=52.0' S=0.0365 '/' Outflow=0.45 cfs 0.018 af

Pond YD-DB: Duplex Bldg "B" Yard Drain Peak Elev=105.36' Inflow=2.04 cfs 0.185 af
12.0" Round Culvert n=0.012 L=47.0' S=0.0298 '/' Outflow=2.04 cfs 0.185 af

Link AP-1: Existing CB 5944 Inflow=2.13 cfs 0.162 af
Primary=2.13 cfs 0.162 af

Link AP-T: AP-Total Inflow=4.32 cfs 0.563 af
Primary=4.32 cfs 0.563 af

Total Runoff Area = 1.479 ac Runoff Volume = 0.598 af Average Runoff Depth = 4.85"
68.03% Pervious = 1.006 ac 31.97% Impervious = 0.473 ac

Summary for Subcatchment 101: Court Yard & Cottage Parking

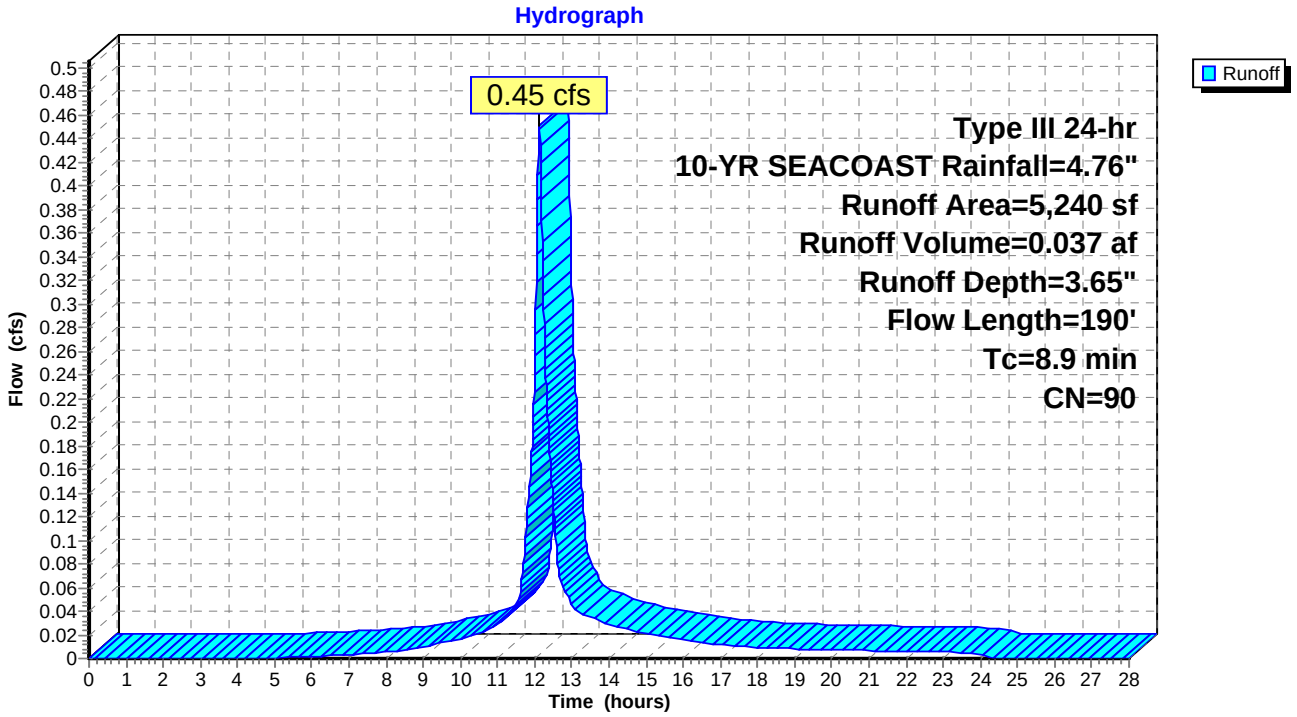
Runoff = 0.45 cfs @ 12.12 hrs, Volume= 0.037 af, Depth= 3.65"
Routed to Pond CB-101 : CB-101

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-28.00 hrs, dt= 0.01 hrs
Type III 24-hr 10-YR SEACOAST Rainfall=4.76"

Area (sf)	CN	Description
3,500	98	Paved parking, HSG C
1,740	74	>75% Grass cover, Good, HSG C
5,240	90	Weighted Average
1,740		33.21% Pervious Area
3,500		66.79% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
2.0	21	0.0500	0.18		**Sheet Flow, sheet grass** Grass: Short n= 0.150 P2= 3.15"
0.1	5	0.0100	0.57		**Sheet Flow, sheet sidewalk** Smooth surfaces n= 0.011 P2= 3.15"
2.5	25	0.0400	0.17		**Sheet Flow, sheet grass** Grass: Short n= 0.150 P2= 3.15"
0.2	13	0.0200	0.91		**Sheet Flow, sheet sidewalk** Smooth surfaces n= 0.011 P2= 3.15"
3.6	35	0.0300	0.16		**Sheet Flow, sheet grass** Grass: Short n= 0.150 P2= 3.15"
0.2	17	0.0300	1.21		**Shallow Concentrated Flow, sc sidewalk** Short Grass Pasture Kv= 7.0 fps
0.1	10	0.0200	2.87		**Shallow Concentrated Flow, sc sidewalk** Paved Kv= 20.3 fps
0.1	24	0.0400	3.00		**Shallow Concentrated Flow, sc grass** Grassed Waterway Kv= 15.0 fps
0.1	40	0.0500	4.54		**Shallow Concentrated Flow, sc pave** Paved Kv= 20.3 fps
8.9	190	Total			

Subcatchment 101: Court Yard & Cottage Parking



Summary for Subcatchment 102: Duplex "B" Parking & Isle Way

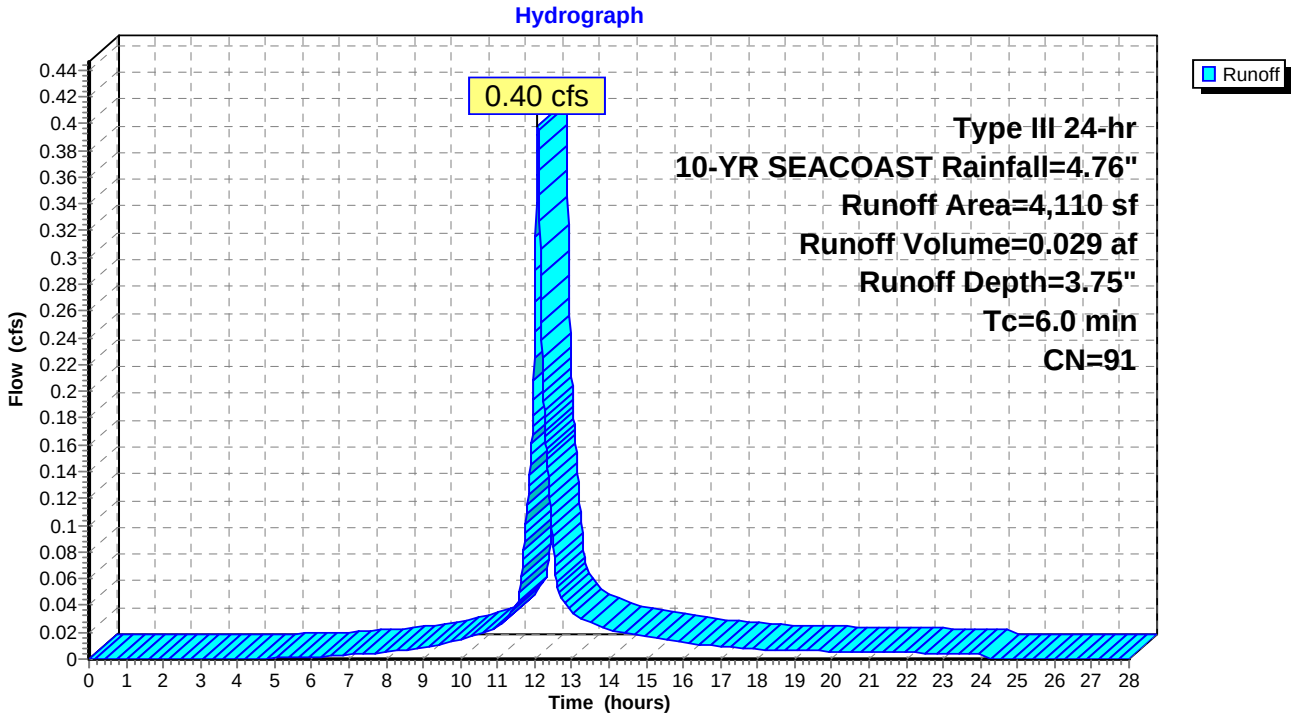
Runoff = 0.40 cfs @ 12.08 hrs, Volume= 0.029 af, Depth= 3.75"
Routed to Pond CB-102 : CB-102

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-28.00 hrs, dt= 0.01 hrs
Type III 24-hr 10-YR SEACOAST Rainfall=4.76"

Area (sf)	CN	Description
2,950	98	Paved parking, HSG C
1,160	74	>75% Grass cover, Good, HSG C
4,110	91	Weighted Average
1,160		28.22% Pervious Area
2,950		71.78% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry, Min Tc**

Subcatchment 102: Duplex "B" Parking & Isle Way



Summary for Subcatchment 103: West Side of Proposed Driveway 0+75 to End

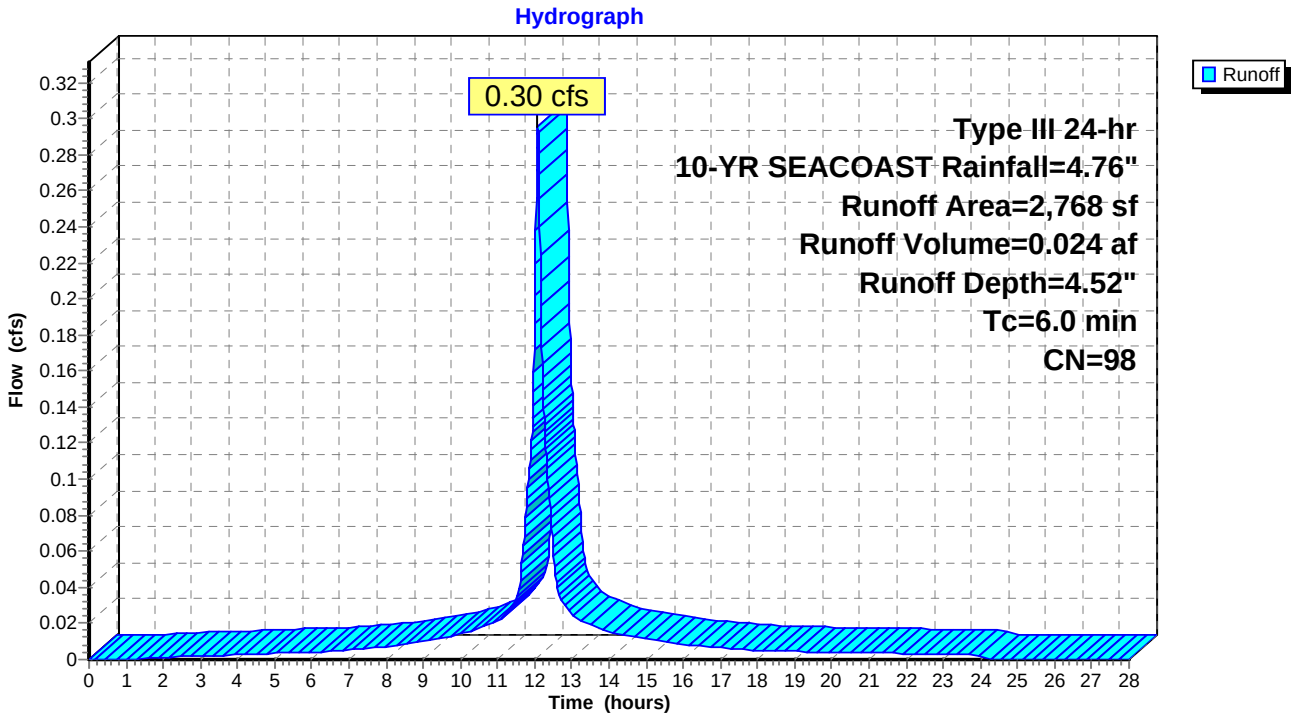
Runoff = 0.30 cfs @ 12.08 hrs, Volume= 0.024 af, Depth= 4.52"
Routed to Pond CB-103 : CB-103

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-28.00 hrs, dt= 0.01 hrs
Type III 24-hr 10-YR SEACOAST Rainfall=4.76"

Area (sf)	CN	Description
2,025	98	Paved parking, HSG C
743	98	Paved parking, HSG D
2,768	98	Weighted Average
2,768		100.00% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry, Min Tc**

Subcatchment 103: West Side of Proposed Driveway 0+75 to End



Summary for Subcatchment 104: Grass Past End of Proposed Road

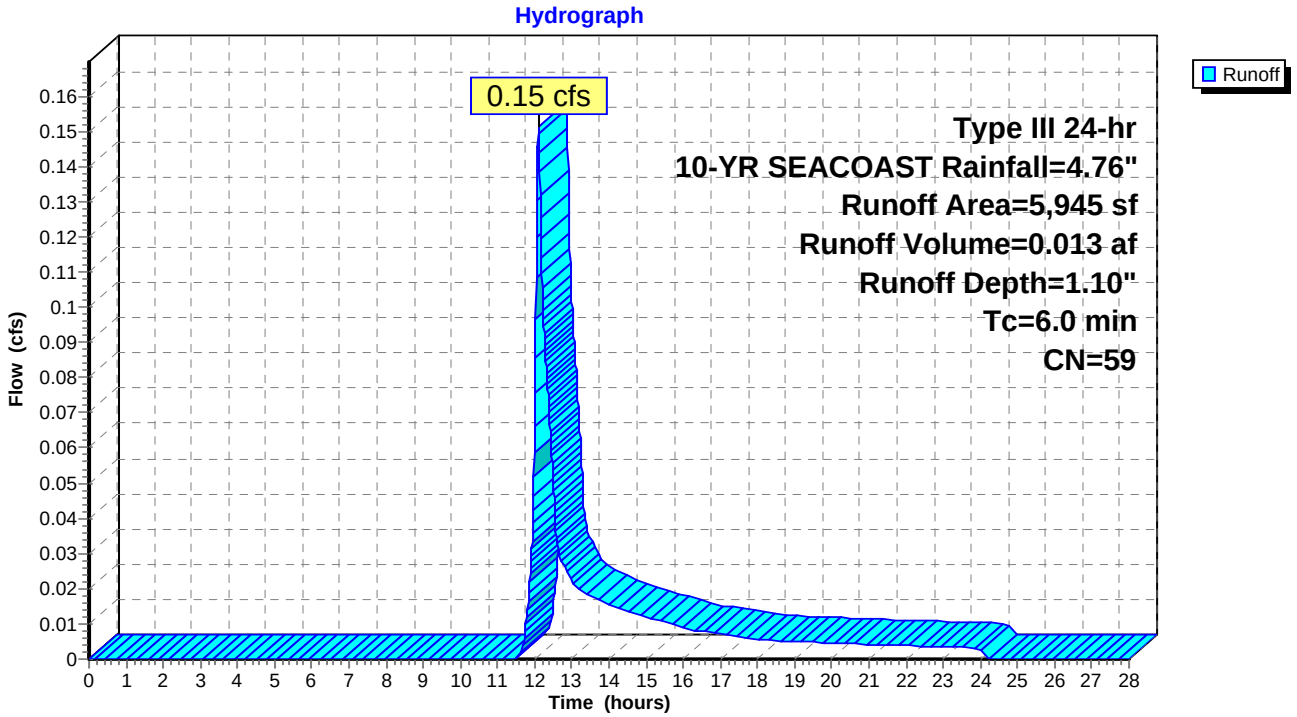
Runoff = 0.15 cfs @ 12.10 hrs, Volume= 0.013 af, Depth= 1.10"
Routed to Pond YD-#1 : Yard Drain #1

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-28.00 hrs, dt= 0.01 hrs
Type III 24-hr 10-YR SEACOAST Rainfall=4.76"

Area (sf)	CN	Description
2,950	39	>75% Grass cover, Good, HSG A
400	98	Paved parking, HSG A
2,465	74	>75% Grass cover, Good, HSG C
130	98	Paved parking, HSG C
5,945	59	Weighted Average
5,415		91.08% Pervious Area
530		8.92% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry, Min Tc**

Subcatchment 104: Grass Past End of Proposed Road



Summary for Subcatchment 105: Infront of Duplex B

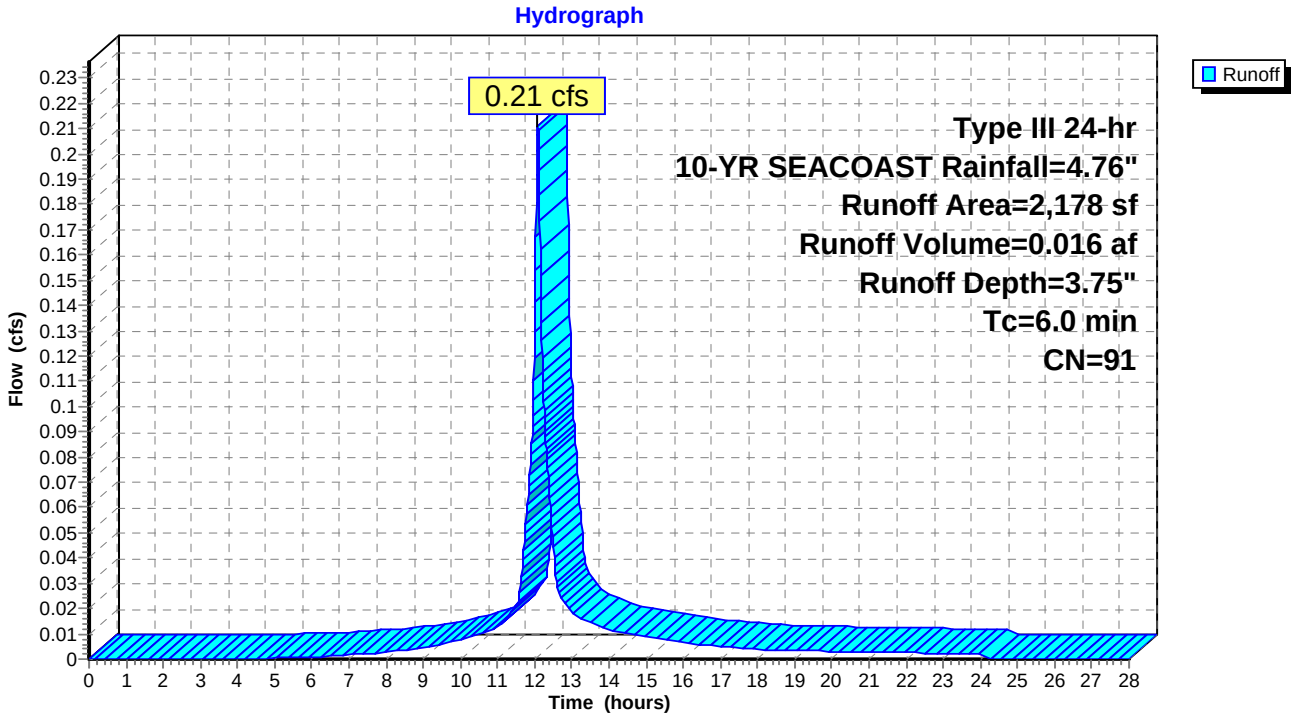
Runoff = 0.21 cfs @ 12.08 hrs, Volume= 0.016 af, Depth= 3.75"
Routed to Pond CB-104 : CB-104

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-28.00 hrs, dt= 0.01 hrs
Type III 24-hr 10-YR SEACOAST Rainfall=4.76"

Area (sf)	CN	Description
1,025	98	Paved parking, HSG D
75	80	>75% Grass cover, Good, HSG D
510	98	Paved parking, HSG C
568	74	>75% Grass cover, Good, HSG C
2,178	91	Weighted Average
643		29.52% Pervious Area
1,535		70.48% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry, minimum**

Subcatchment 105: Infront of Duplex B



Summary for Subcatchment 106: Drains Directly to BIO #101

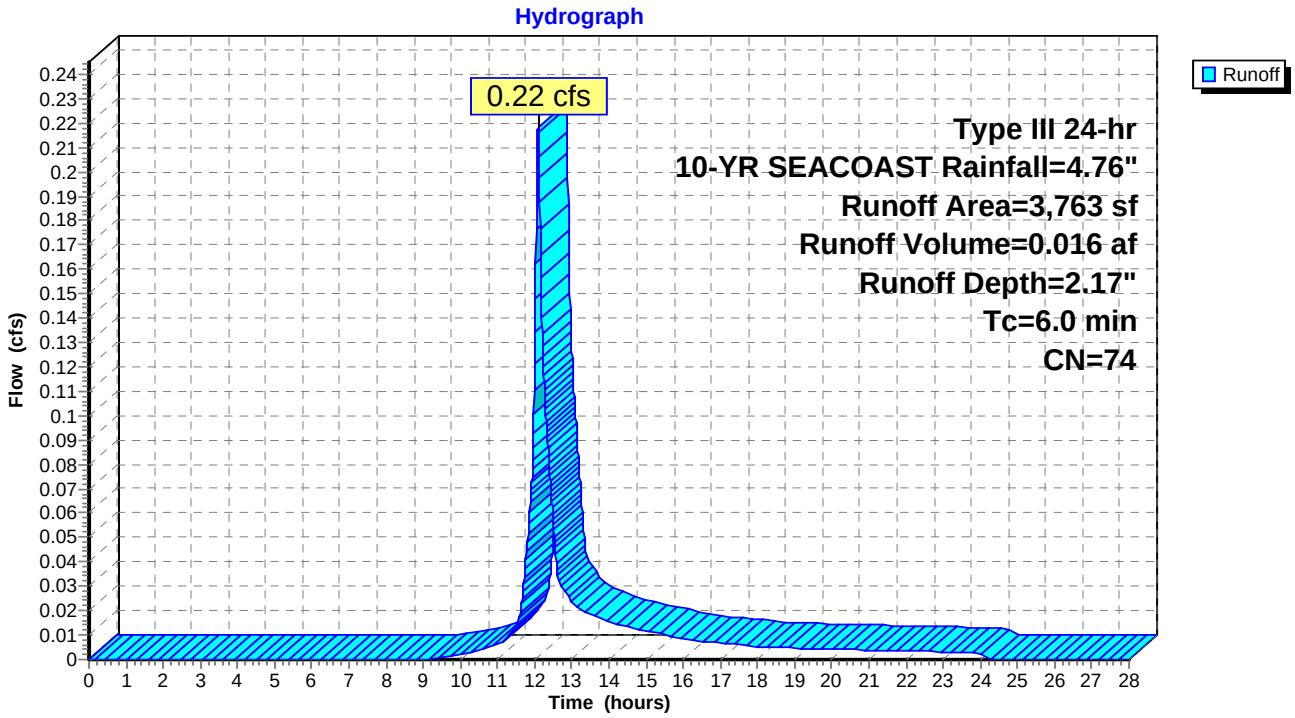
Runoff = 0.22 cfs @ 12.09 hrs, Volume= 0.016 af, Depth= 2.17"
Routed to Pond BIO-1 : BIO-1

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-28.00 hrs, dt= 0.01 hrs
Type III 24-hr 10-YR SEACOAST Rainfall=4.76"

Area (sf)	CN	Description
3,678	74	>75% Grass cover, Good, HSG C
85	80	>75% Grass cover, Good, HSG D
3,763	74	Weighted Average
3,763		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry, Min Tc**

Subcatchment 106: Drains Directly to BIO #101



Summary for Subcatchment 107: Court Street & Lower End of Proposed Driveway

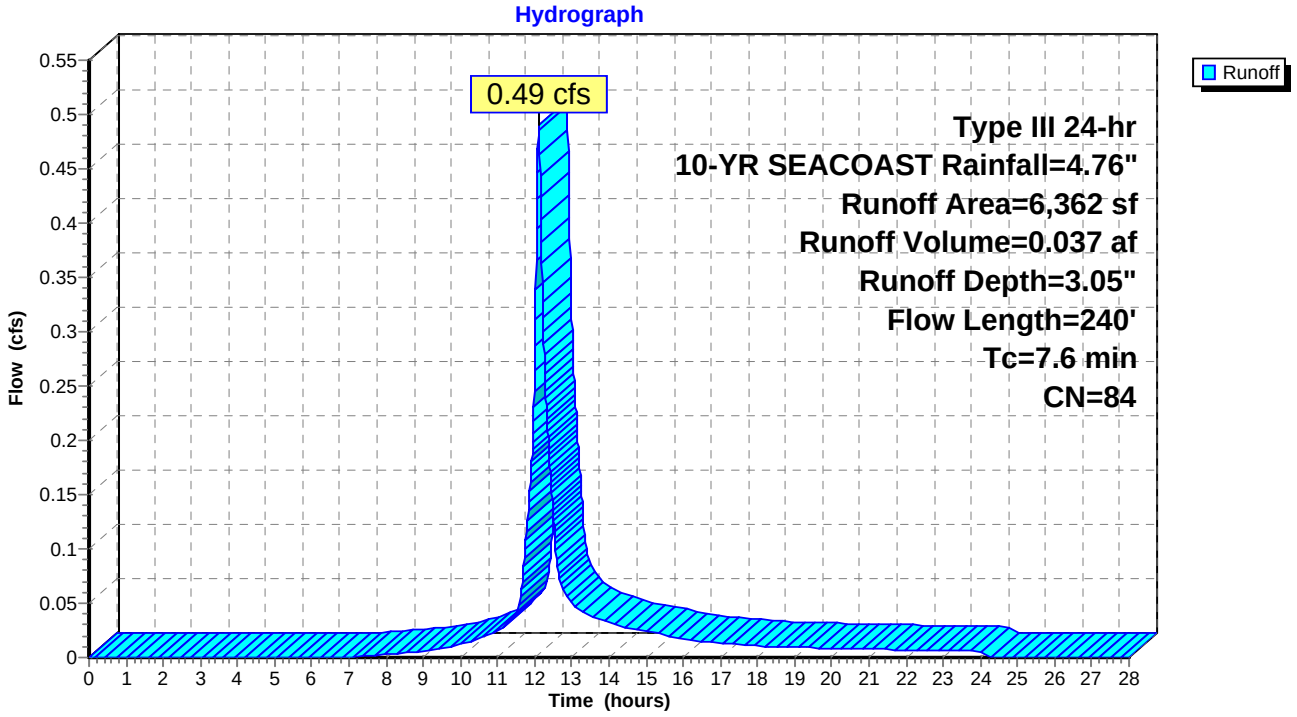
Runoff = 0.49 cfs @ 12.11 hrs, Volume= 0.037 af, Depth= 3.05"
Routed to Link AP-1 : Existing CB 5944

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-28.00 hrs, dt= 0.01 hrs
Type III 24-hr 10-YR SEACOAST Rainfall=4.76"

Area (sf)	CN	Description
1,516	98	Paved parking, HSG C
3,542	74	>75% Grass cover, Good, HSG C
1,234	98	Paved parking, HSG D
70	80	>75% Grass cover, Good, HSG D
6,362	84	Weighted Average
3,612		56.77% Pervious Area
2,750		43.23% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.8	100	0.0500	0.24		**Sheet Flow, SHEET FLOW** Grass: Short n= 0.150 P2= 3.15"
0.2	25	0.0800	1.98		**Shallow Concentrated Flow, SHALLOW** Short Grass Pasture Kv= 7.0 fps
0.6	115	0.0250	3.21		**Shallow Concentrated Flow, SHALLOW** Paved Kv= 20.3 fps
7.6	240	Total			

Subcatchment 107: Court Street & Lower End of Proposed Driveway



Summary for Subcatchment 108: West of Proposed Driveway

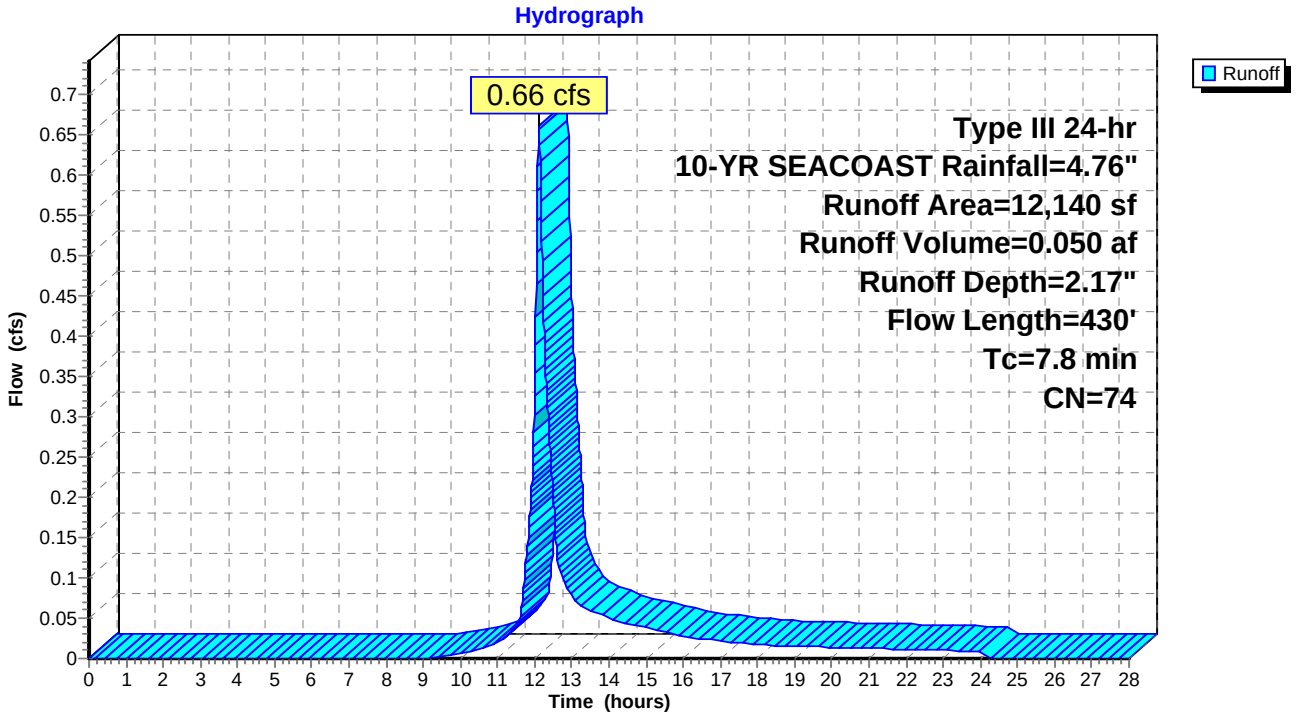
Runoff = 0.66 cfs @ 12.11 hrs, Volume= 0.050 af, Depth= 2.17"
Routed to Link AP-1 : Existing CB 5944

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-28.00 hrs, dt= 0.01 hrs
Type III 24-hr 10-YR SEACOAST Rainfall=4.76"

Area (sf)	CN	Description
205	39	>75% Grass cover, Good, HSG A
85	98	Paved parking, HSG A
180	32	Woods/grass comb., Good, HSG A
1,490	80	>75% Grass cover, Good, HSG D
1,580	79	Woods/grass comb., Good, HSG D
3,757	72	Woods/grass comb., Good, HSG C
4,843	74	>75% Grass cover, Good, HSG C
12,140	74	Weighted Average
12,055		99.30% Pervious Area
85		0.70% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
2.9	30	0.0400	0.18		**Sheet Flow, Grass** Grass: Short n= 0.150 P2= 3.15"
4.9	400	0.0375	1.36		**Shallow Concentrated Flow, brush** Short Grass Pasture Kv= 7.0 fps
7.8	430	Total			

Subcatchment 108: West of Proposed Driveway



Summary for Subcatchment 109: West side of Beginning of Proposed Road

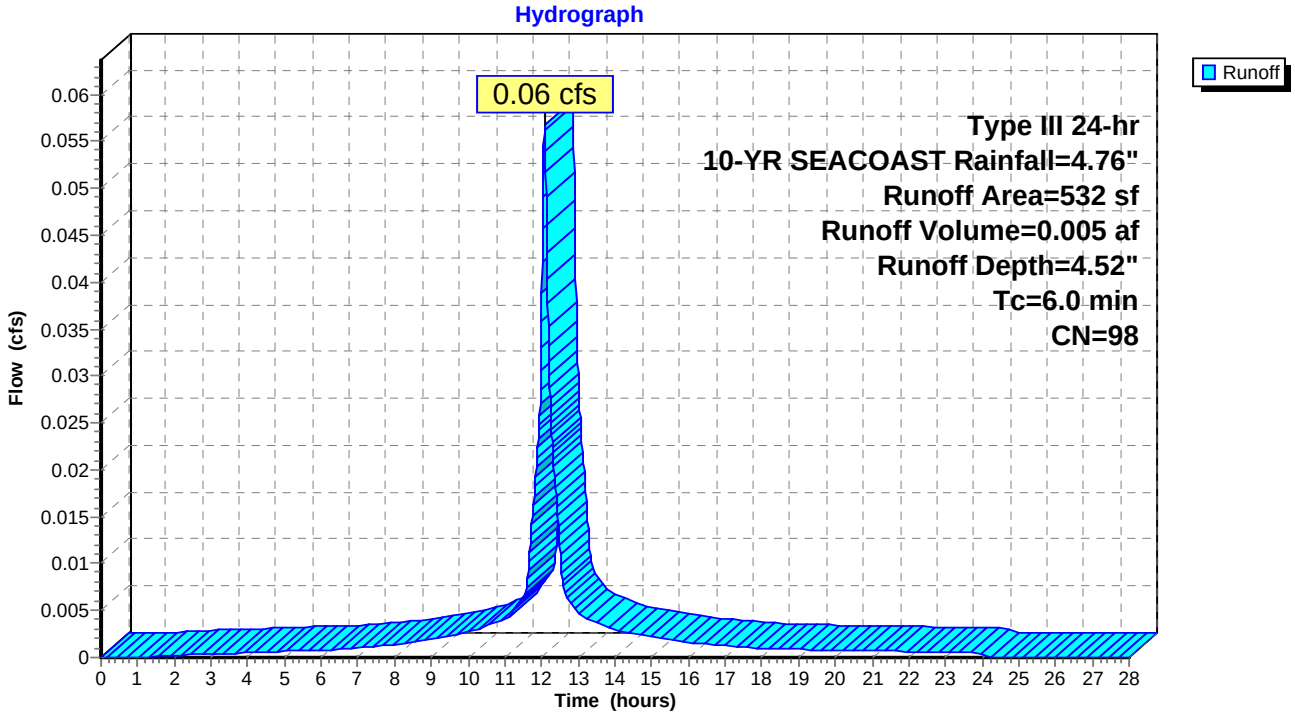
Runoff = 0.06 cfs @ 12.08 hrs, Volume= 0.005 af, Depth= 4.52"
Routed to Pond CB-105 : CB-105

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-28.00 hrs, dt= 0.01 hrs
Type III 24-hr 10-YR SEACOAST Rainfall=4.76"

Area (sf)	CN	Description
532	98	Paved parking, HSG D
532		100.00% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry, Min Tc**

Subcatchment 109: West side of Beginning of Proposed Road



Summary for Subcatchment 110: East Side of Beginning of Proposed Road

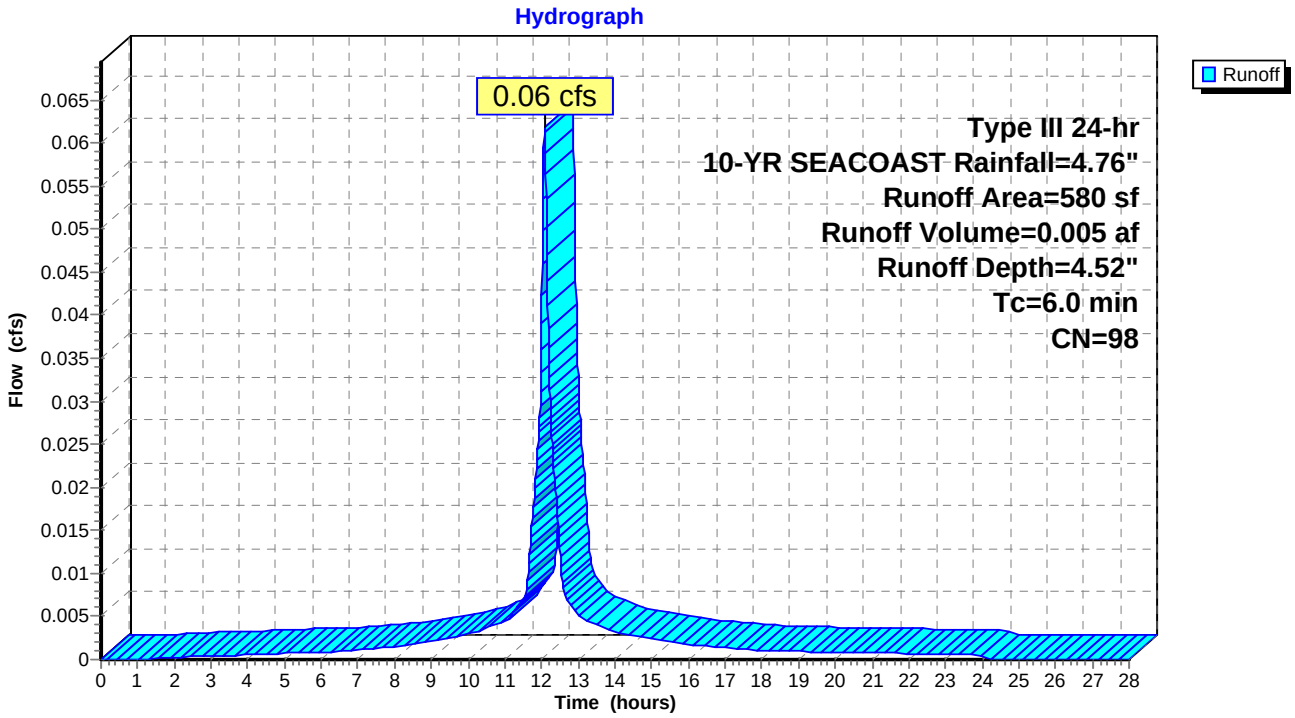
Runoff = 0.06 cfs @ 12.08 hrs, Volume= 0.005 af, Depth= 4.52"
Routed to Pond CB-106 : CB-106

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-28.00 hrs, dt= 0.01 hrs
Type III 24-hr 10-YR SEACOAST Rainfall=4.76"

Area (sf)	CN	Description
494	98	Paved parking, HSG D
86	98	Paved parking, HSG C
580	98	Weighted Average
580		100.00% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry, Min Tc**

Subcatchment 110: East Side of Beginning of Proposed Road



Summary for Subcatchment R-#1: Cottage #1 Roof

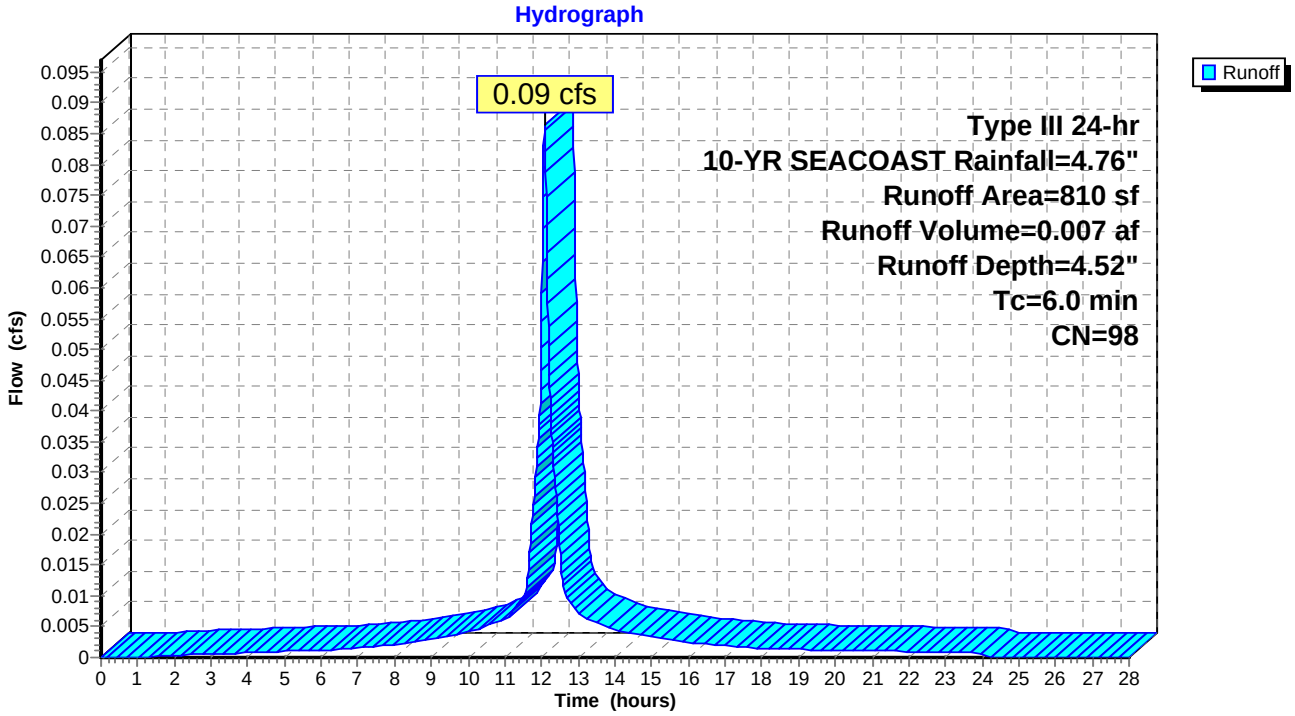
Runoff = 0.09 cfs @ 12.08 hrs, Volume= 0.007 af, Depth= 4.52"
Routed to Pond DE-#1 : Cottage #1 Stone Drip Edge

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-28.00 hrs, dt= 0.01 hrs
Type III 24-hr 10-YR SEACOAST Rainfall=4.76"

Area (sf)	CN	Description
810	98	Roofs, HSG C
810		100.00% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry, Min Tc**

Subcatchment R-#1: Cottage #1 Roof



Summary for Subcatchment R-#2: Cottage #2 Roof

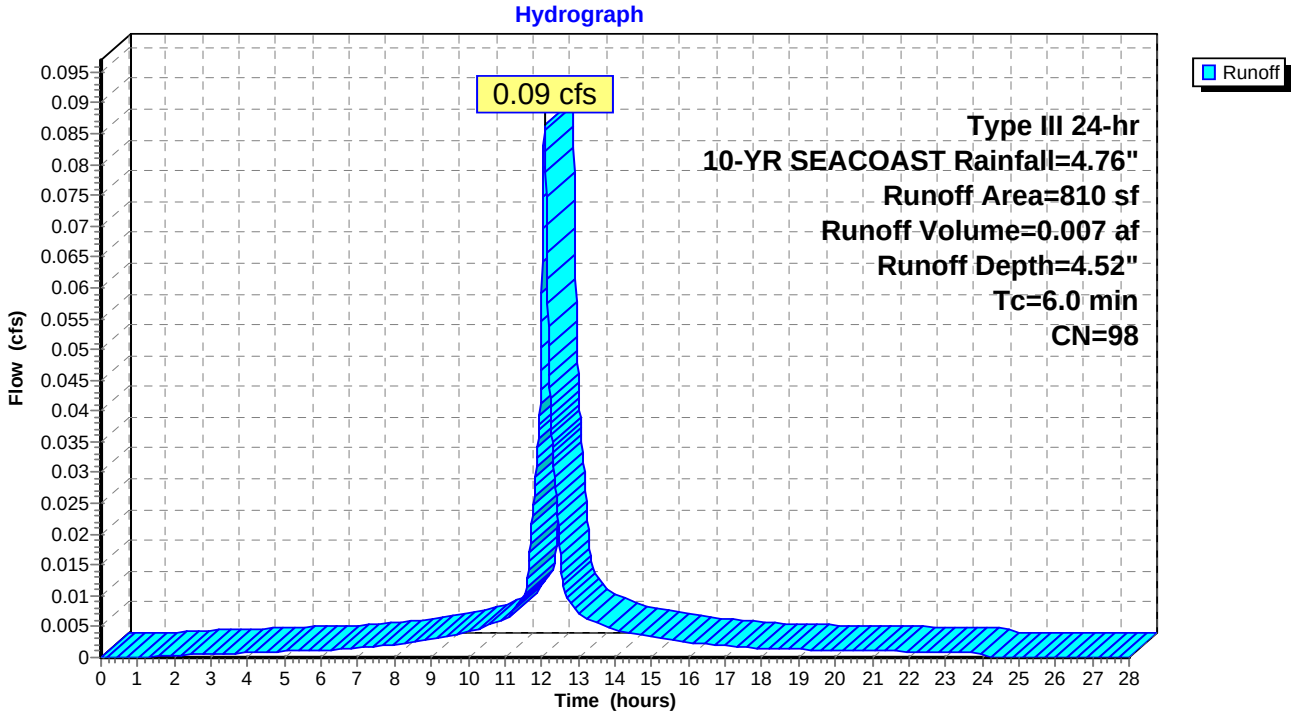
Runoff = 0.09 cfs @ 12.08 hrs, Volume= 0.007 af, Depth= 4.52"
Routed to Pond DE-#2 : Cottage #2 Stone Drip Edge

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-28.00 hrs, dt= 0.01 hrs
Type III 24-hr 10-YR SEACOAST Rainfall=4.76"

Area (sf)	CN	Description
810	98	Roofs, HSG C
810		100.00% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry, Min Tc**

Subcatchment R-#2: Cottage #2 Roof



Summary for Subcatchment R-#3: Cottage #3 Roof

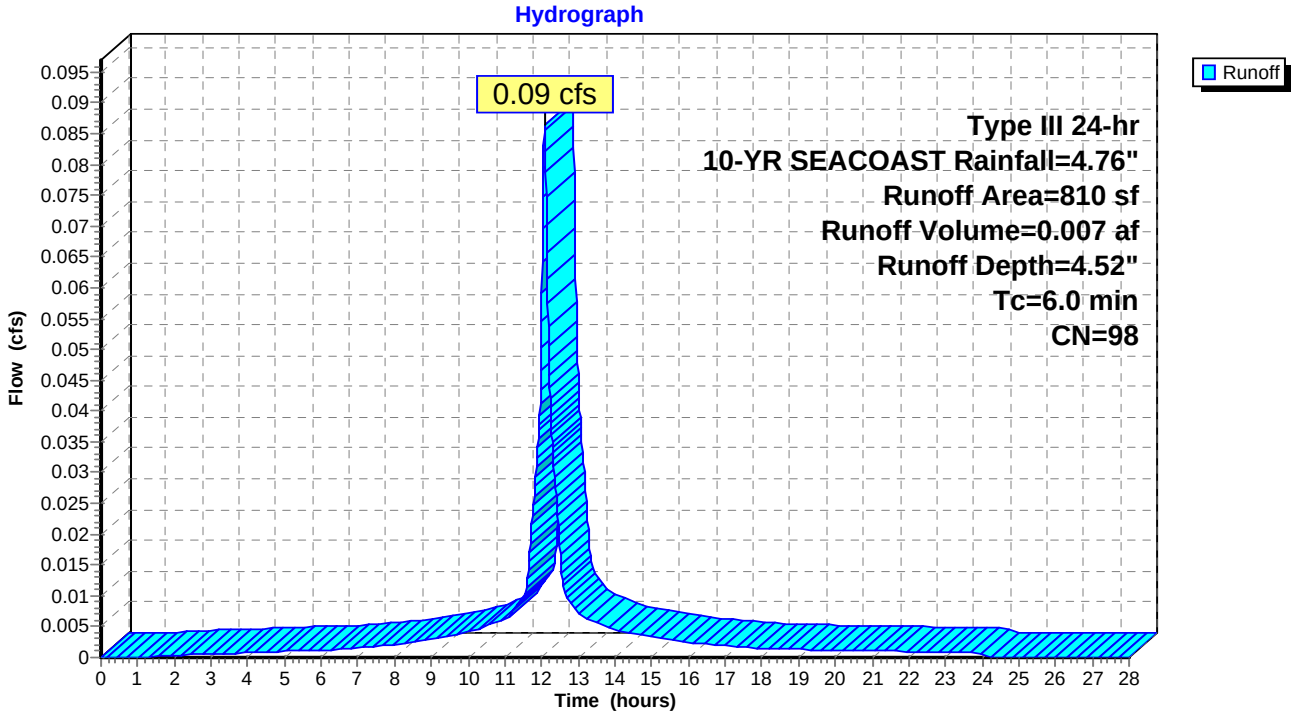
Runoff = 0.09 cfs @ 12.08 hrs, Volume= 0.007 af, Depth= 4.52"
Routed to Pond DE-#3 : Cottage #3 Stone Drip Edge

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-28.00 hrs, dt= 0.01 hrs
Type III 24-hr 10-YR SEACOAST Rainfall=4.76"

Area (sf)	CN	Description
810	98	Roofs, HSG C
810		100.00% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry, Min Tc**

Subcatchment R-#3: Cottage #3 Roof



Summary for Subcatchment R-#4: Cottage #4 Roof

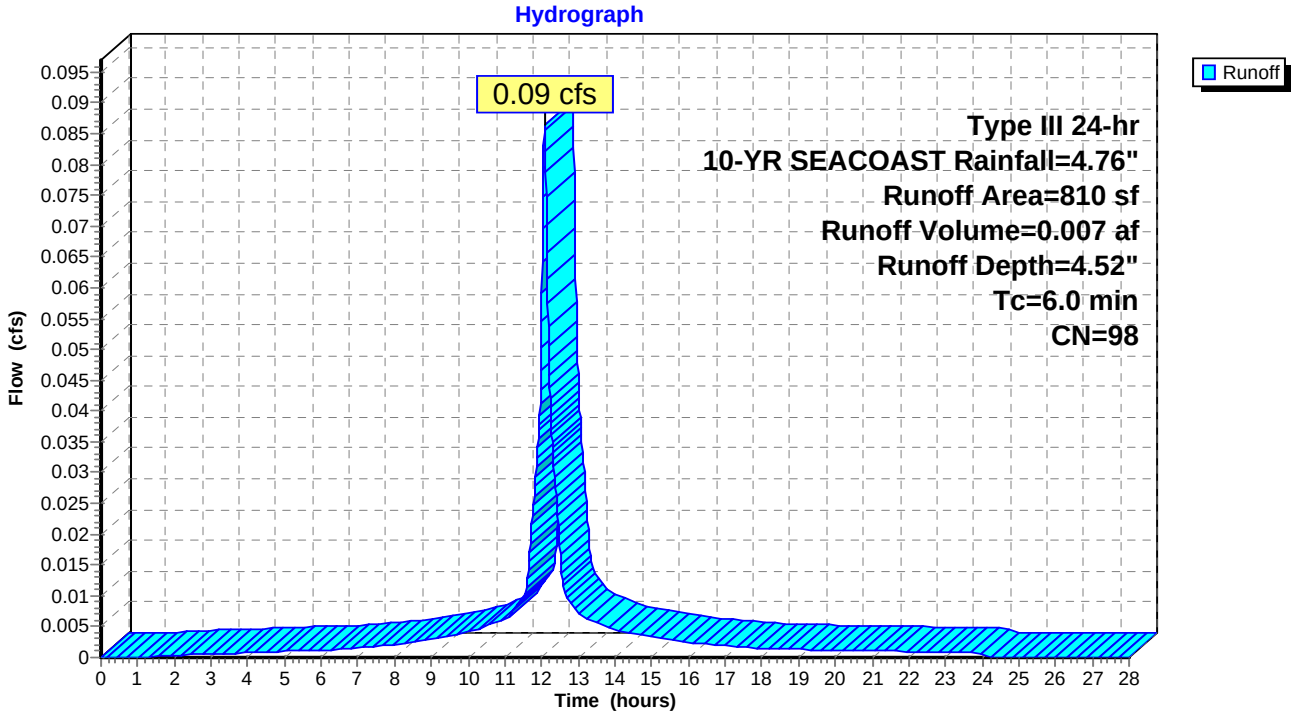
Runoff = 0.09 cfs @ 12.08 hrs, Volume= 0.007 af, Depth= 4.52"
Routed to Pond DE-#4 : Cottage #4 Stone Drip Edge

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-28.00 hrs, dt= 0.01 hrs
Type III 24-hr 10-YR SEACOAST Rainfall=4.76"

Area (sf)	CN	Description
810	98	Roofs, HSG C
810		100.00% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry, Min Tc**

Subcatchment R-#4: Cottage #4 Roof



Summary for Subcatchment R-D"A": Existing Single Family to Remain

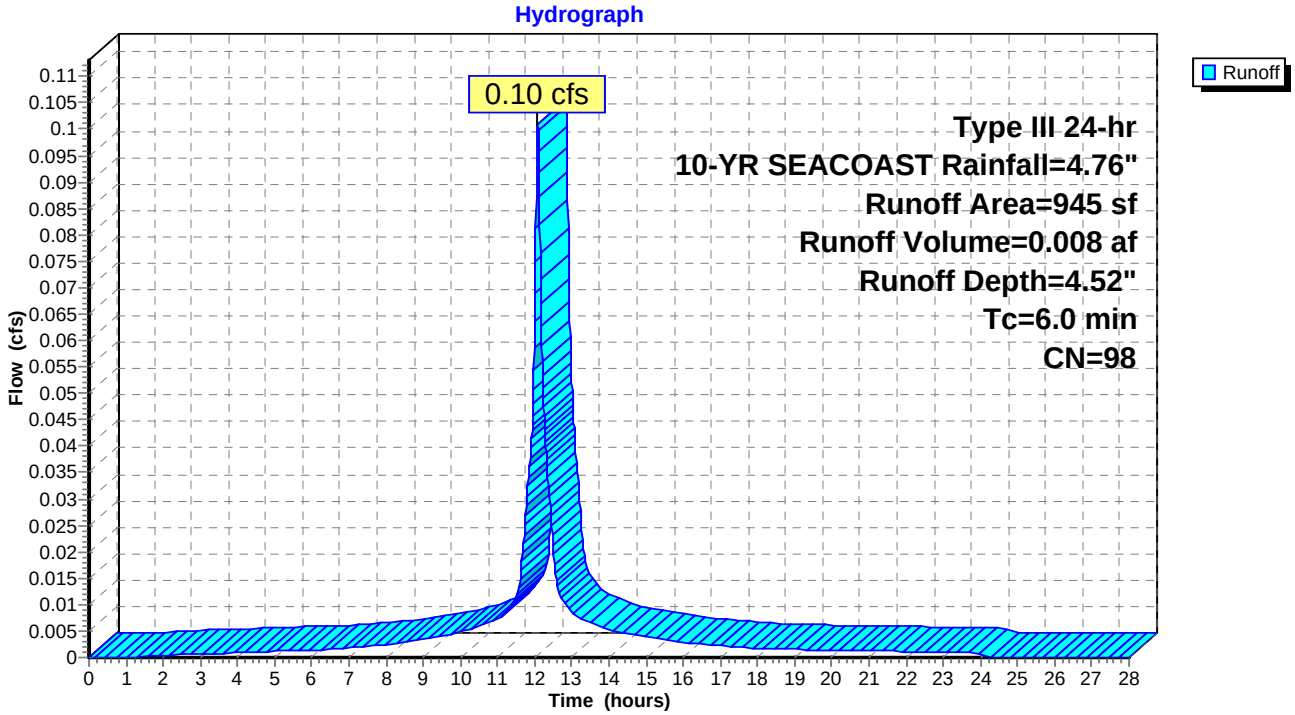
Runoff = 0.10 cfs @ 12.08 hrs, Volume= 0.008 af, Depth= 4.52"
Routed to Pond DE-EXS : Existing Single Family Stone Drip Edge

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-28.00 hrs, dt= 0.01 hrs
Type III 24-hr 10-YR SEACOAST Rainfall=4.76"

Area (sf)	CN	Description
945	98	Roofs, HSG C
945		100.00% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry, Min Tc**

Subcatchment R-D"A": Existing Single Family to Remain



Summary for Subcatchment R-D"B": New Duplex - Duplex Bldg "B" Roof

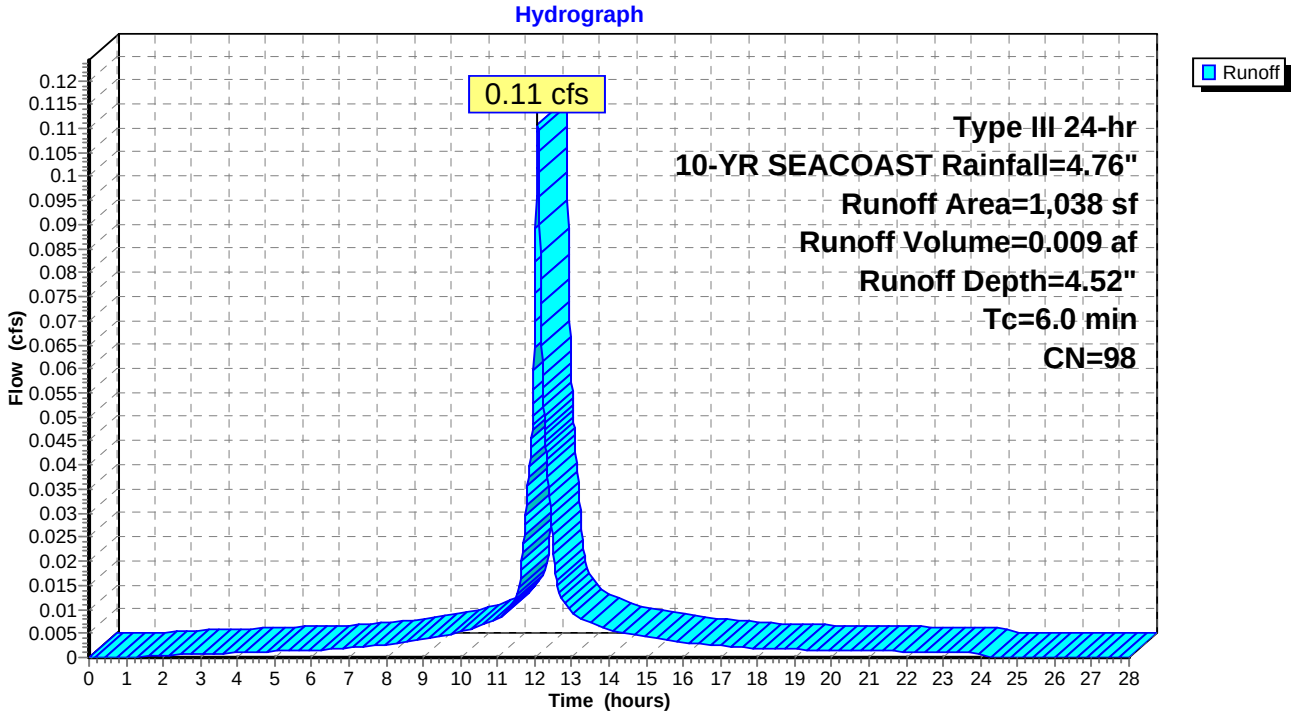
Runoff = 0.11 cfs @ 12.08 hrs, Volume= 0.009 af, Depth= 4.52"
Routed to Pond DE-DB : Duplex Bldg "B" Stone Drip Edge

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-28.00 hrs, dt= 0.01 hrs
Type III 24-hr 10-YR SEACOAST Rainfall=4.76"

Area (sf)	CN	Description
1,038	98	Roofs, HSG C
1,038		100.00% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry, Min Tc**

Subcatchment R-D"B": New Duplex - Duplex Bldg "B" Roof



Summary for Subcatchment Y-#1: Cottage #1 Back Yard

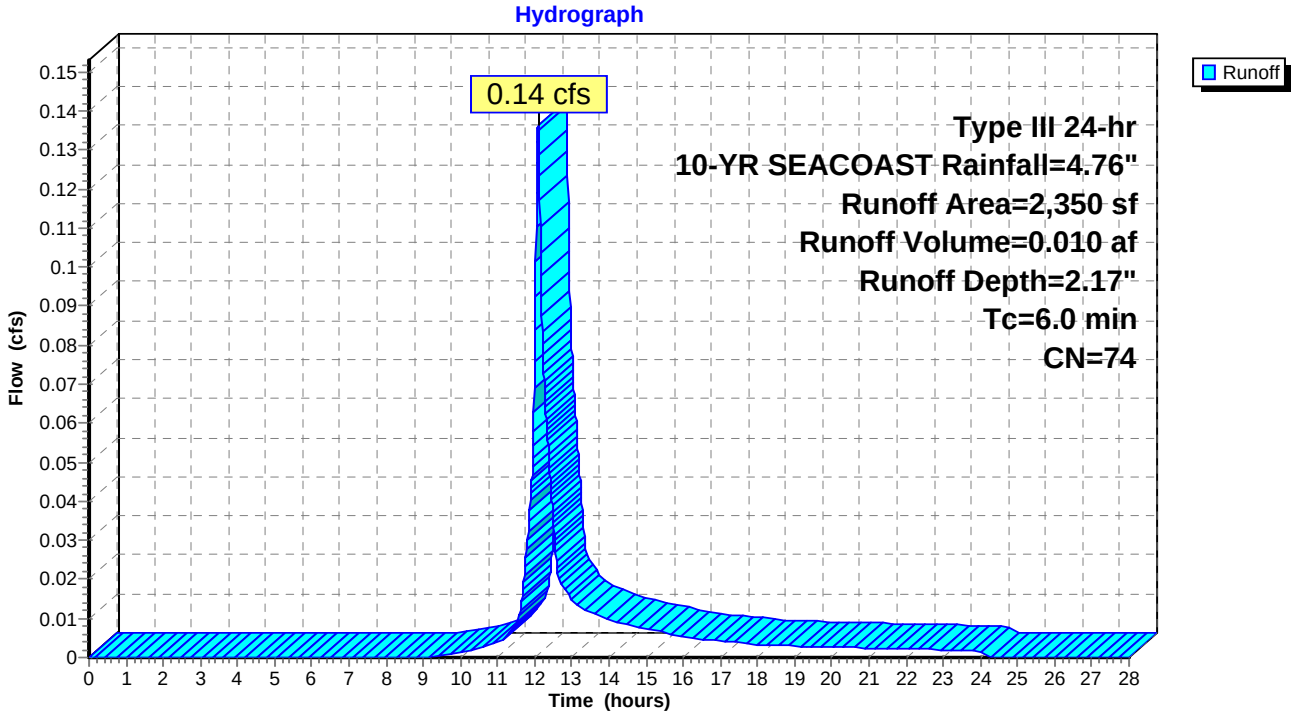
Runoff = 0.14 cfs @ 12.09 hrs, Volume= 0.010 af, Depth= 2.17"
Routed to Pond YD-C#1 : Cottage #1 Yard Drain

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-28.00 hrs, dt= 0.01 hrs
Type III 24-hr 10-YR SEACOAST Rainfall=4.76"

Area (sf)	CN	Description
2,350	74	>75% Grass cover, Good, HSG C
2,350		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry, Min Tc**

Subcatchment Y-#1: Cottage #1 Back Yard



Summary for Subcatchment Y-#2: Cottage #2 Back Yard

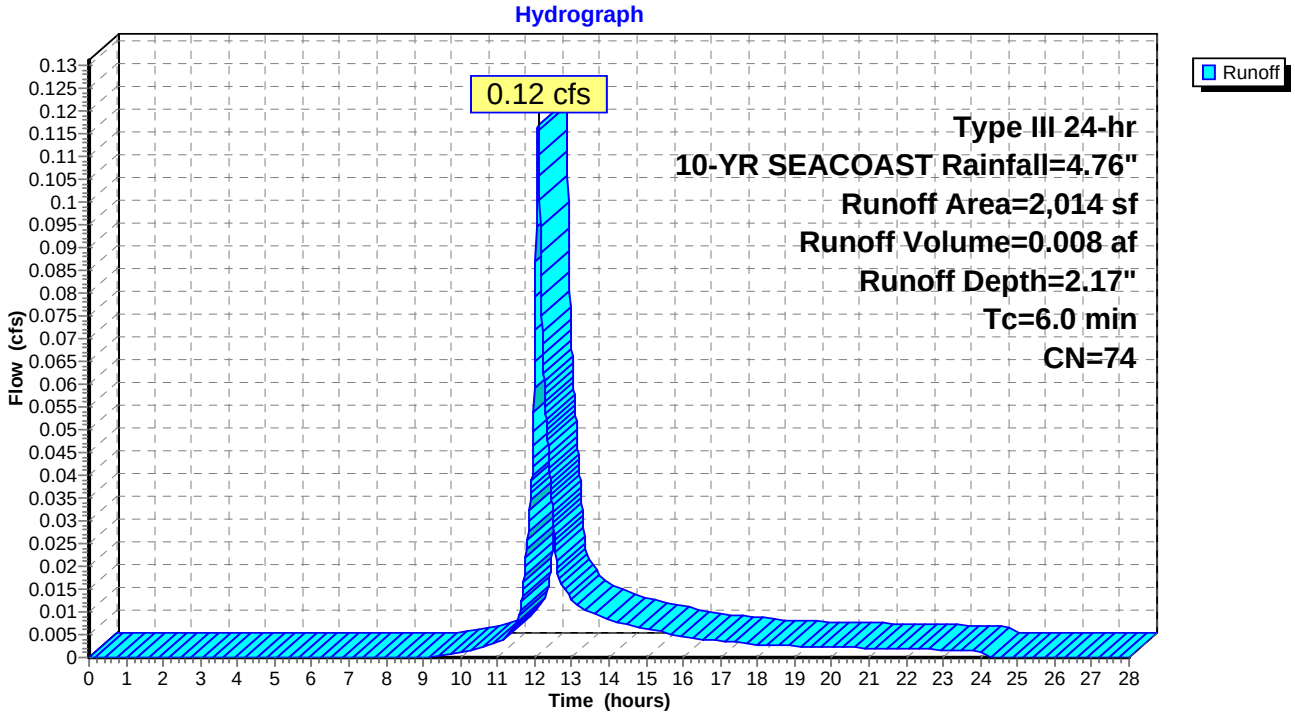
Runoff = 0.12 cfs @ 12.09 hrs, Volume= 0.008 af, Depth= 2.17"
Routed to Pond YD-C#2 : Cottage #2 Yard Drain

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-28.00 hrs, dt= 0.01 hrs
Type III 24-hr 10-YR SEACOAST Rainfall=4.76"

Area (sf)	CN	Description
2,014	74	>75% Grass cover, Good, HSG C
2,014		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry, Min Tc**

Subcatchment Y-#2: Cottage #2 Back Yard



Summary for Subcatchment Y-#3: Cottage #3 Back Yard

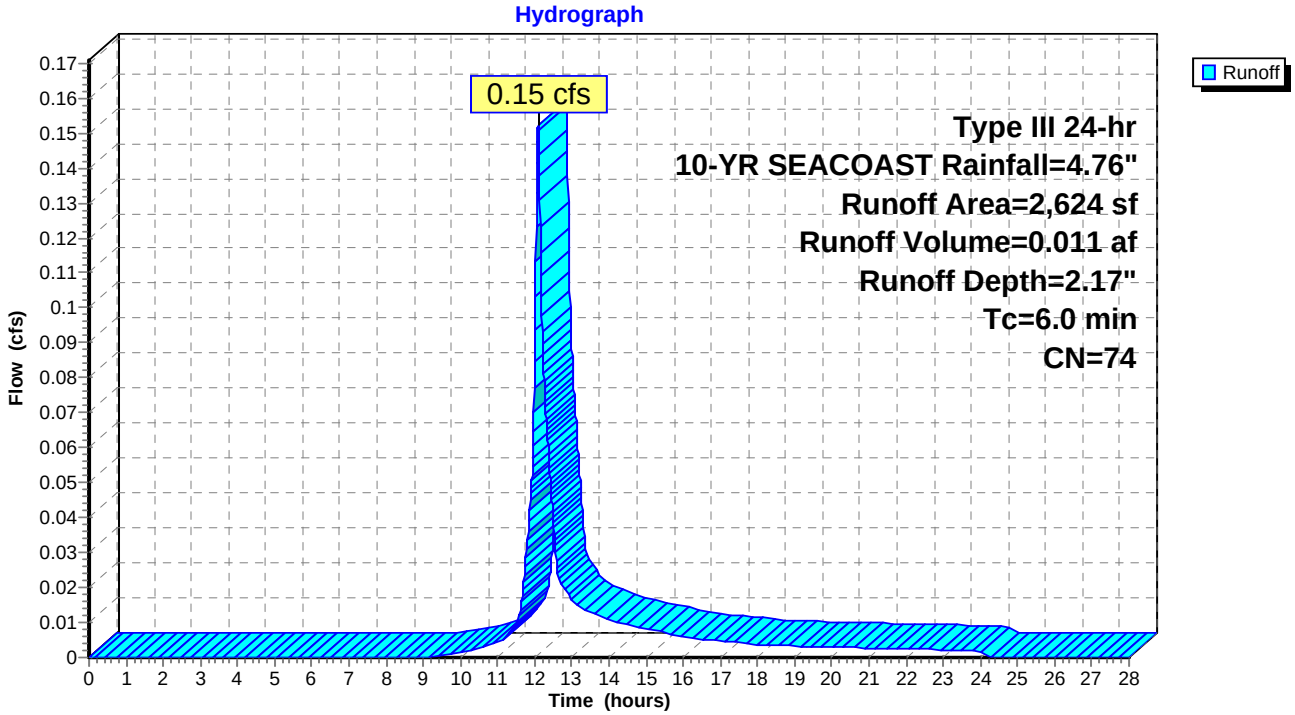
Runoff = 0.15 cfs @ 12.09 hrs, Volume= 0.011 af, Depth= 2.17"
Routed to Pond YD-C#3 : Cottage #3 Yard Drain

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-28.00 hrs, dt= 0.01 hrs
Type III 24-hr 10-YR SEACOAST Rainfall=4.76"

Area (sf)	CN	Description
2,624	74	>75% Grass cover, Good, HSG C
2,624		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry, Min Tc**

Subcatchment Y-#3: Cottage #3 Back Yard



Summary for Subcatchment Y-#4: Cottage #4 Back Yard

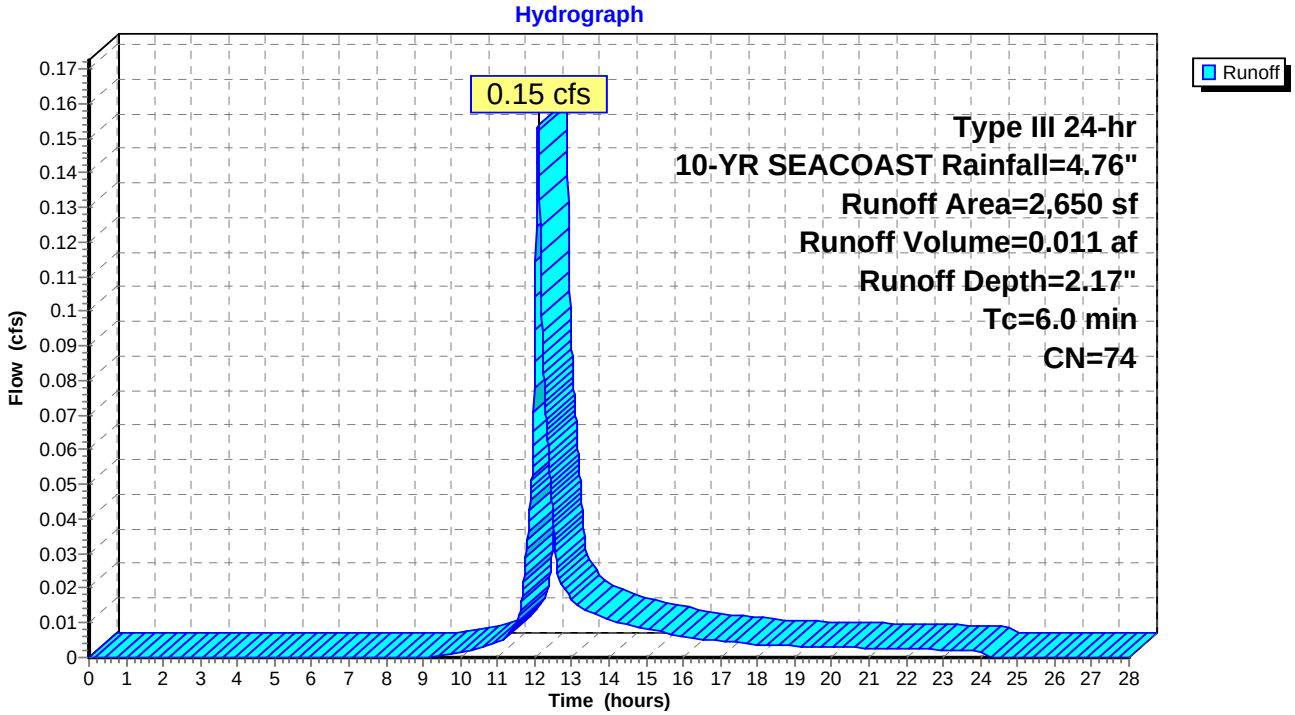
Runoff = 0.15 cfs @ 12.09 hrs, Volume= 0.011 af, Depth= 2.17"
Routed to Pond YD-C#4 : Cottage #4 Yard Drain

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-28.00 hrs, dt= 0.01 hrs
Type III 24-hr 10-YR SEACOAST Rainfall=4.76"

Area (sf)	CN	Description
2,650	74	>75% Grass cover, Good, HSG C
2,650		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry, Min Tc**

Subcatchment Y-#4: Cottage #4 Back Yard



Summary for Subcatchment Y-#5: Cottage #5 Back Yard

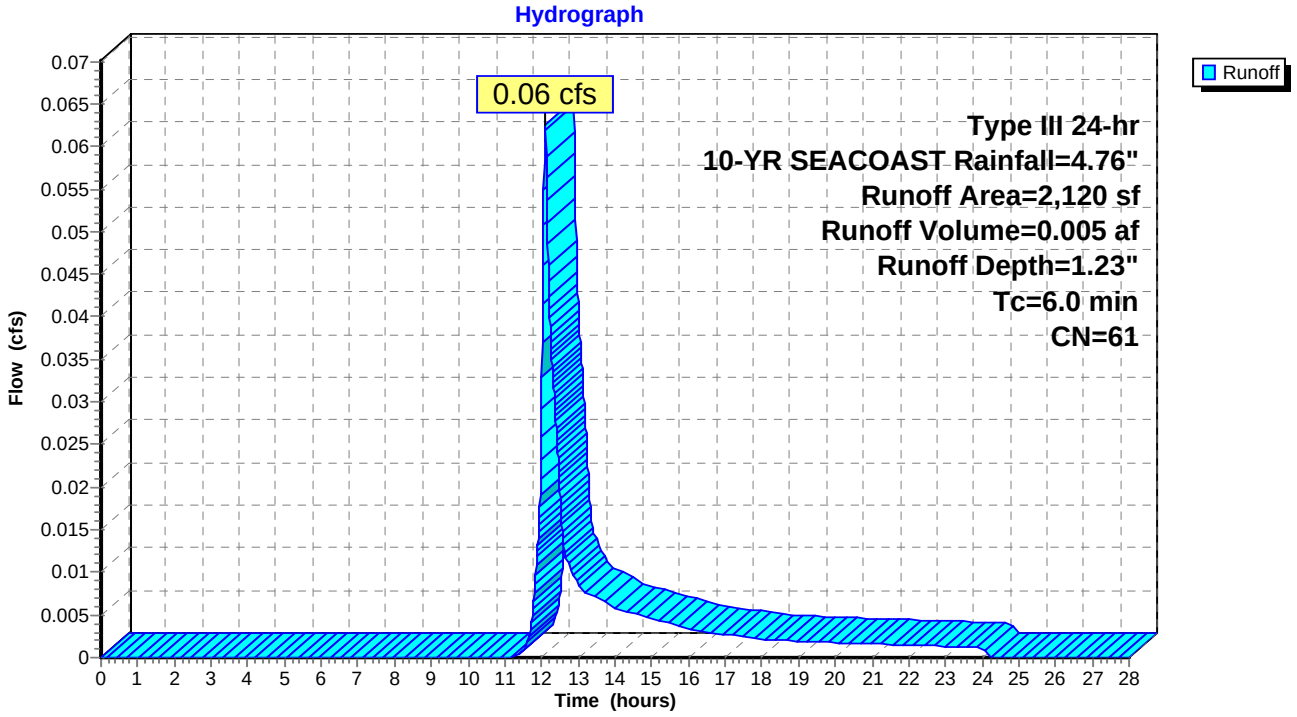
Runoff = 0.06 cfs @ 12.10 hrs, Volume= 0.005 af, Depth= 1.23"
Routed to Pond YD-C#5 : Cottage #5 Yard Drain

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-28.00 hrs, dt= 0.01 hrs
Type III 24-hr 10-YR SEACOAST Rainfall=4.76"

Area (sf)	CN	Description
912	39	>75% Grass cover, Good, HSG A
148	98	Paved parking, HSG A
1,060	74	>75% Grass cover, Good, HSG C
2,120	61	Weighted Average
1,972		93.02% Pervious Area
148		6.98% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry, Min Tc**

Subcatchment Y-#5: Cottage #5 Back Yard



Summary for Subcatchment Y-D"B": Duplex Bldg "B" Back Yard

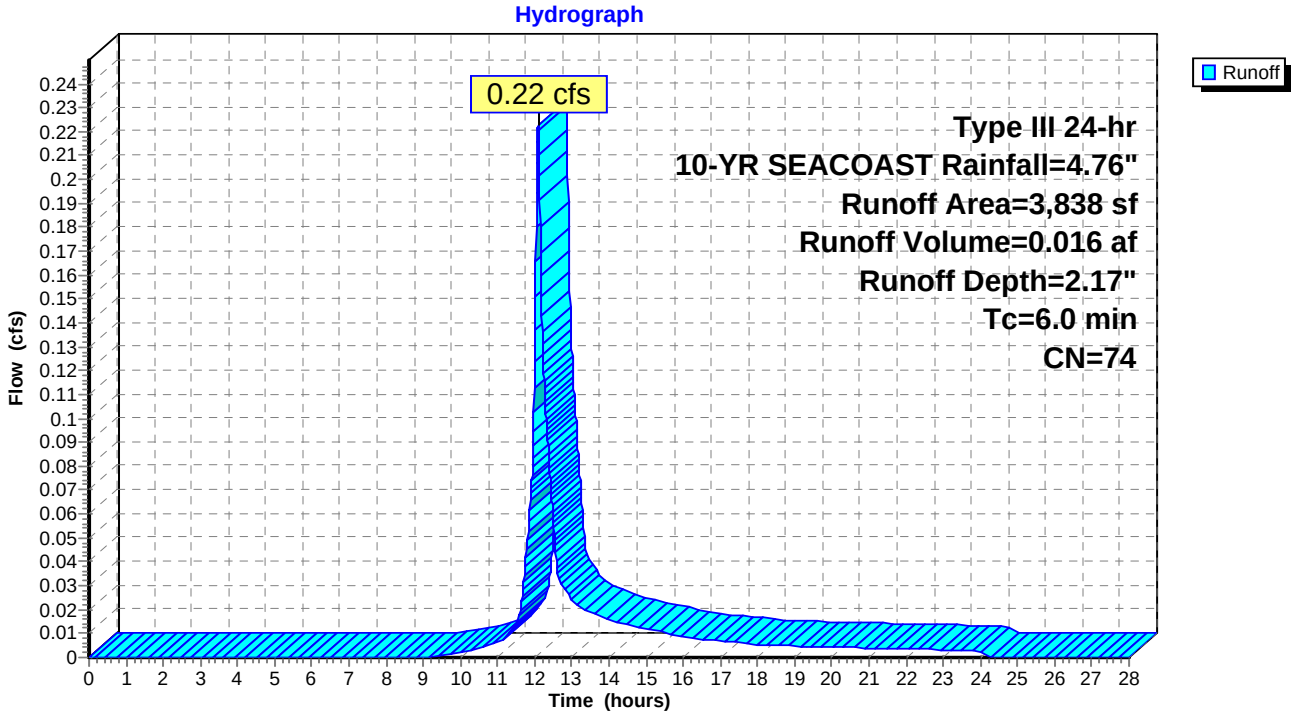
Runoff = 0.22 cfs @ 12.09 hrs, Volume= 0.016 af, Depth= 2.17"
Routed to Pond YD-DB : Duplex Bldg "B" Yard Drain

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-28.00 hrs, dt= 0.01 hrs
Type III 24-hr 10-YR SEACOAST Rainfall=4.76"

Area (sf)	CN	Description
3,838	74	>75% Grass cover, Good, HSG C
3,838		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry, Min Tc**

Subcatchment Y-D"B": Duplex Bldg "B" Back Yard



Summary for Pond BIO-1: BIO-1

Inflow Area = 1.029 ac, 37.16% Impervious, Inflow Depth = 2.56" for 10-YR SEACOAST event
Inflow = 2.59 cfs @ 12.09 hrs, Volume= 0.220 af
Outflow = 1.15 cfs @ 12.36 hrs, Volume= 0.220 af, Atten= 56%, Lag= 15.9 min
Primary = 1.15 cfs @ 12.36 hrs, Volume= 0.220 af
Routed to Pond DMH-103 : DMH-103

Routing by Dyn-Stor-Ind method, Time Span= 0.00-28.00 hrs, dt= 0.01 hrs / 3
Peak Elev= 102.12' @ 12.36 hrs Surf.Area= 880 sf Storage= 2,255 cf
Flood Elev= 104.00' Surf.Area= 1,400 sf Storage= 4,375 cf

Plug-Flow detention time= 40.6 min calculated for 0.220 af (100% of inflow)
Center-of-Mass det. time= 40.6 min (841.6 - 801.0)

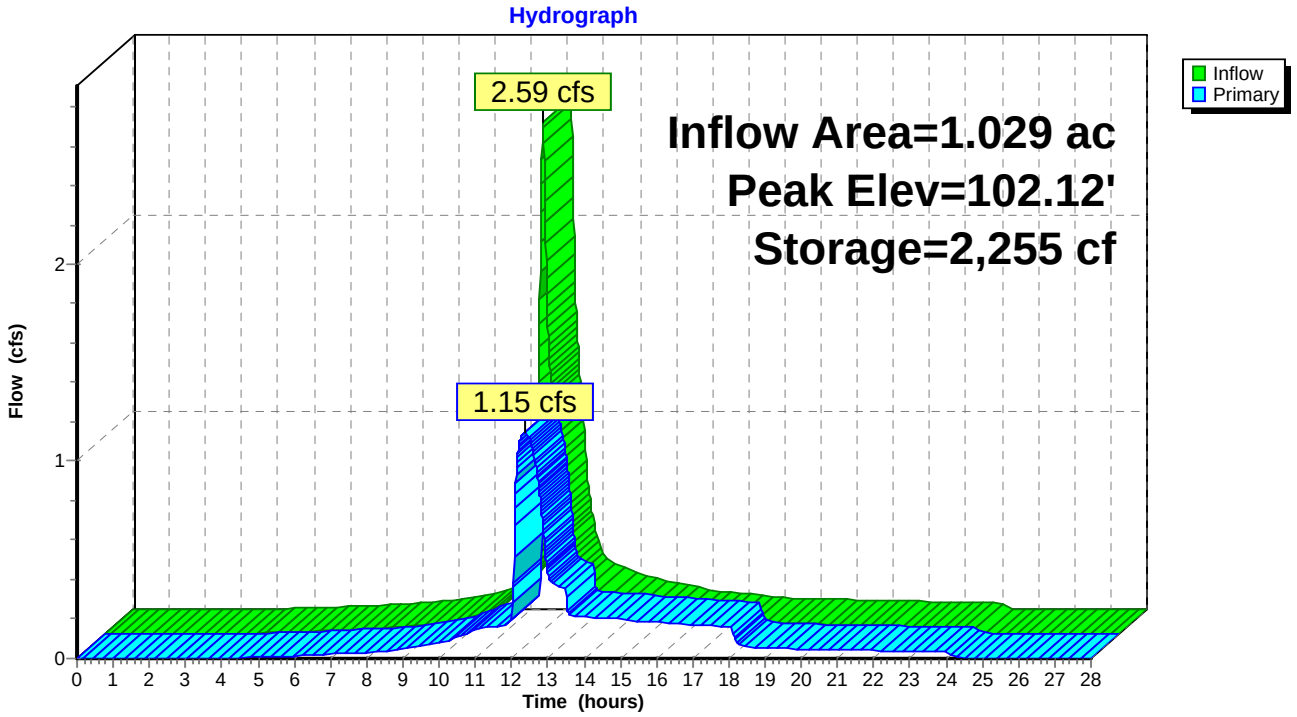
Volume	Invert	Avail.Storage	Storage Description
#1	96.49'	4,375 cf	**Custom Stage Data (Conic)**Listed below (Recalc)

Elevation (feet)	Surf.Area (sq-ft)	Voids (%)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)	Wet.Area (sq-ft)
96.49	1,125	0.0	0	0	1,125
96.50	1,125	40.0	5	5	1,126
98.49	1,125	40.0	895	900	1,363
98.50	1,125	20.0	2	902	1,364
99.99	1,125	20.0	335	1,238	1,541
100.00	150	100.0	6	1,243	2,516
102.00	850	100.0	905	2,148	3,231
104.00	1,400	100.0	2,227	4,375	3,830

Device	Routing	Invert	Outlet Devices
#1	Device 3	96.49'	**6.000 in/hr Exfiltration to Underdrain over Wetted area** Phase-In= 0.10'
#2	Device 3	103.45'	**0.5" x 4.5" Horiz. OverFlow X 14.00 columns** X 4 rows C= 0.600 in 24.0" x 24.0" Grate (22% open area) Limited to weir flow at low heads
#3	Primary	96.35'	**12.0" Round 12" HDPE (P-7)** L= 24.0' CPP, end-section conforming to fill, Ke= 0.500 Inlet / Outlet Invert= 96.35' / 95.80' S= 0.0229 '/' Cc= 0.900 n= 0.012 Corrugated PP, smooth interior, Flow Area= 0.79 sf
#4	Device 3	100.80'	**5.0" Vert. 6" Orifice in the Side OS #1** C= 0.600 Limited to weir flow at low heads

Primary OutFlow Max=1.15 cfs @ 12.36 hrs HW=102.12' TW=91.42' (Dynamic Tailwater)
└─**3=12" HDPE (P-7)** (Passes 1.15 cfs of 8.69 cfs potential flow)
  ├─**1=Exfiltration to Underdrain** (Exfiltration Controls 0.45 cfs)
  ├─**2=OverFlow** (Controls 0.00 cfs)
  └─**4=6" Orifice in the Side OS #1** (Orifice Controls 0.69 cfs @ 5.09 fps)

Pond BIO-1: BIO-1



Summary for Pond CB-101: CB-101

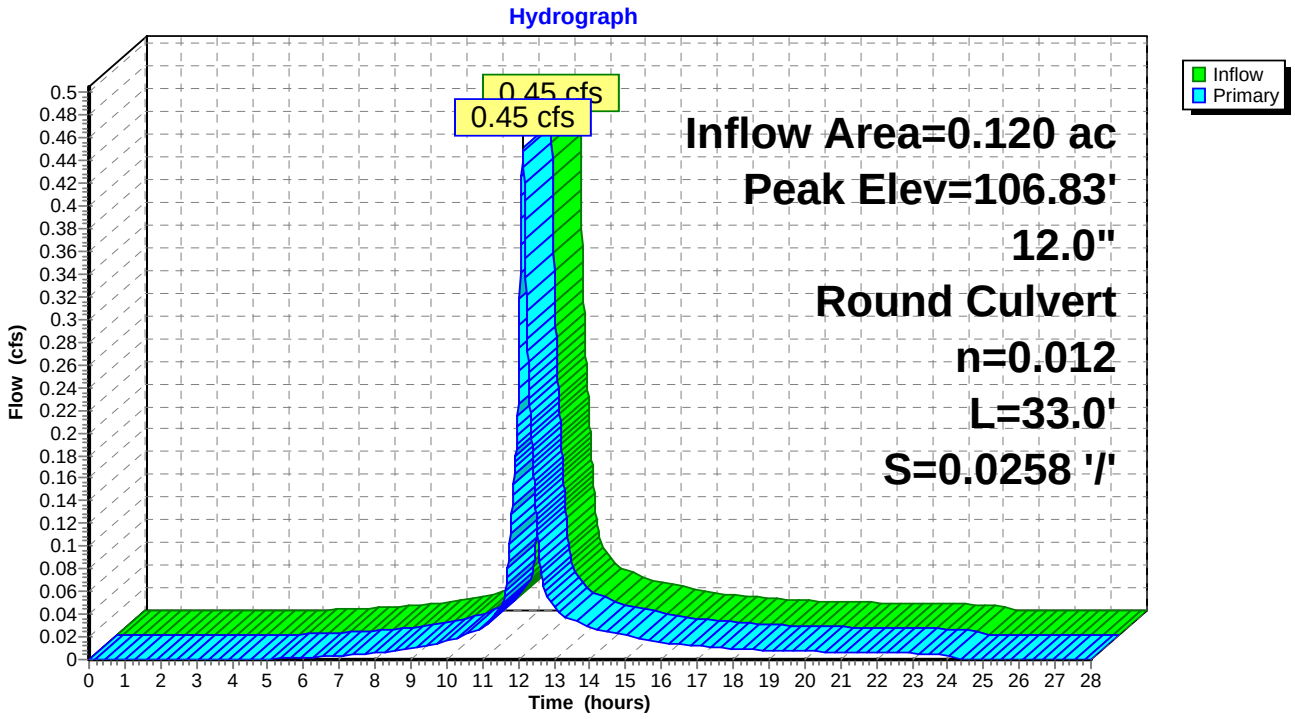
Inflow Area = 0.120 ac, 66.79% Impervious, Inflow Depth = 3.65" for 10-YR SEACOAST event
Inflow = 0.45 cfs @ 12.12 hrs, Volume= 0.037 af
Outflow = 0.45 cfs @ 12.12 hrs, Volume= 0.037 af, Atten= 0%, Lag= 0.0 min
Primary = 0.45 cfs @ 12.12 hrs, Volume= 0.037 af
Routed to Pond DMH-101 : DMH-101

Routing by Dyn-Stor-Ind method, Time Span= 0.00-28.00 hrs, dt= 0.01 hrs / 3
Peak Elev= 106.83' @ 12.12 hrs
Flood Elev= 110.65'

Device	Routing	Invert	Outlet Devices
#1	Primary	106.50'	**12.0" Round 12" HDPE (P-1)** L= 33.0' CPP, end-section conforming to fill, Ke= 0.500 Inlet / Outlet Invert= 106.50' / 105.65' S= 0.0258 '/' Cc= 0.900 n= 0.012 Corrugated PP, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=0.45 cfs @ 12.12 hrs HW=106.83' TW=106.01' (Dynamic Tailwater)
1=12" HDPE (P-1) (Inlet Controls 0.45 cfs @ 1.97 fps)

Pond CB-101: CB-101



Summary for Pond CB-102: CB-102

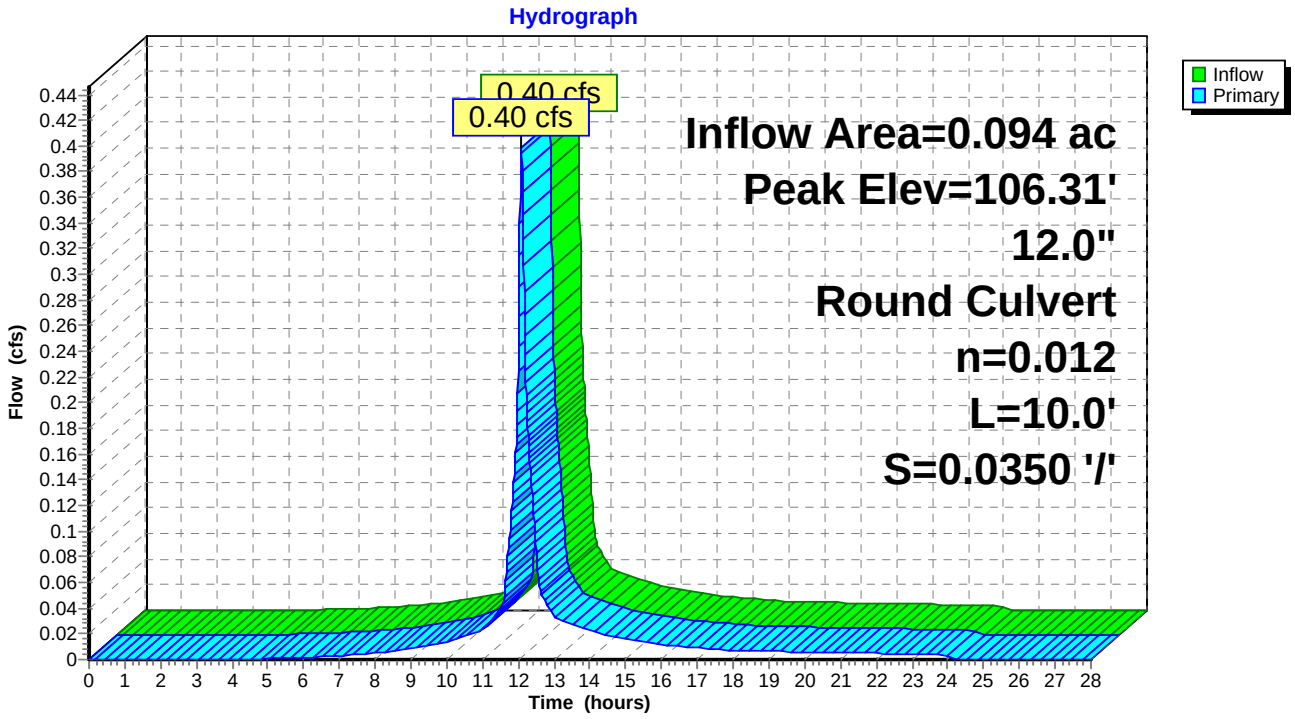
Inflow Area = 0.094 ac, 71.78% Impervious, Inflow Depth = 3.75" for 10-YR SEACOAST event
Inflow = 0.40 cfs @ 12.08 hrs, Volume= 0.029 af
Outflow = 0.40 cfs @ 12.08 hrs, Volume= 0.029 af, Atten= 0%, Lag= 0.0 min
Primary = 0.40 cfs @ 12.08 hrs, Volume= 0.029 af
Routed to Pond DMH-101 : DMH-101

Routing by Dyn-Stor-Ind method, Time Span= 0.00-28.00 hrs, dt= 0.01 hrs / 3
Peak Elev= 106.31' @ 12.08 hrs
Flood Elev= 110.15'

Device	Routing	Invert	Outlet Devices
#1	Primary	106.00'	**12.0" Round 12" HDPE (P-2)** L= 10.0' CPP, end-section conforming to fill, Ke= 0.500 Inlet / Outlet Invert= 106.00' / 105.65' S= 0.0350 '/' Cc= 0.900 n= 0.012 Corrugated PP, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=0.40 cfs @ 12.08 hrs HW=106.31' TW=106.01' (Dynamic Tailwater)
1=12" HDPE (P-2) (Inlet Controls 0.40 cfs @ 1.90 fps)

Pond CB-102: CB-102



Summary for Pond CB-103: CB-103

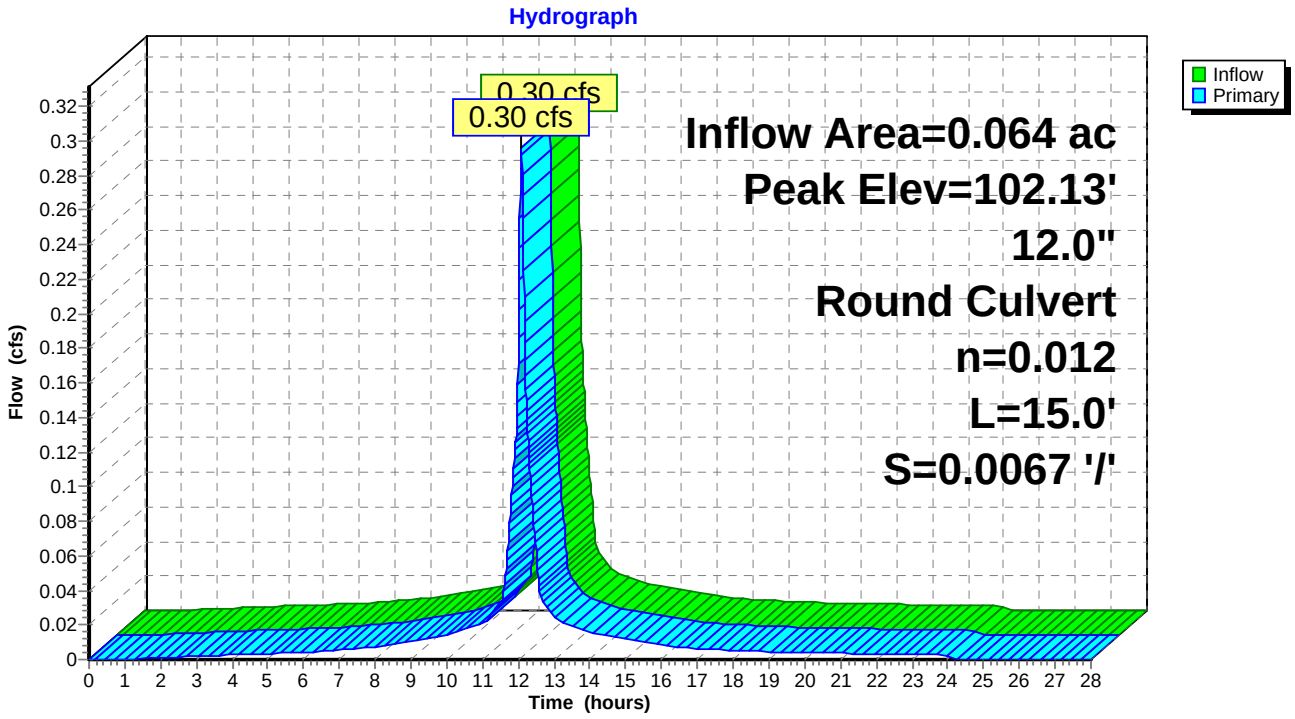
Inflow Area = 0.064 ac,100.00% Impervious, Inflow Depth = 4.52" for 10-YR SEACOAST event
Inflow = 0.30 cfs @ 12.08 hrs, Volume= 0.024 af
Outflow = 0.30 cfs @ 12.08 hrs, Volume= 0.024 af, Atten= 0%, Lag= 0.0 min
Primary = 0.30 cfs @ 12.08 hrs, Volume= 0.024 af
Routed to Pond DMH-102 : DMH-102

Routing by Dyn-Stor-Ind method, Time Span= 0.00-28.00 hrs, dt= 0.01 hrs / 3
Peak Elev= 102.13' @ 12.35 hrs
Flood Elev= 104.00'

Device	Routing	Invert	Outlet Devices
#1	Primary	100.30'	**12.0" Round 12" HDPE (P-4)** L= 15.0' CPP, end-section conforming to fill, Ke= 0.500 Inlet / Outlet Invert= 100.30' / 100.20' S= 0.0067 '/' Cc= 0.900 n= 0.012 Corrugated PP, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=0.30 cfs @ 12.08 hrs HW=101.16' TW=101.15' (Dynamic Tailwater)
1=12" HDPE (P-4) (Outlet Controls 0.30 cfs @ 0.56 fps)

Pond CB-103: CB-103



Summary for Pond CB-104: CB-104

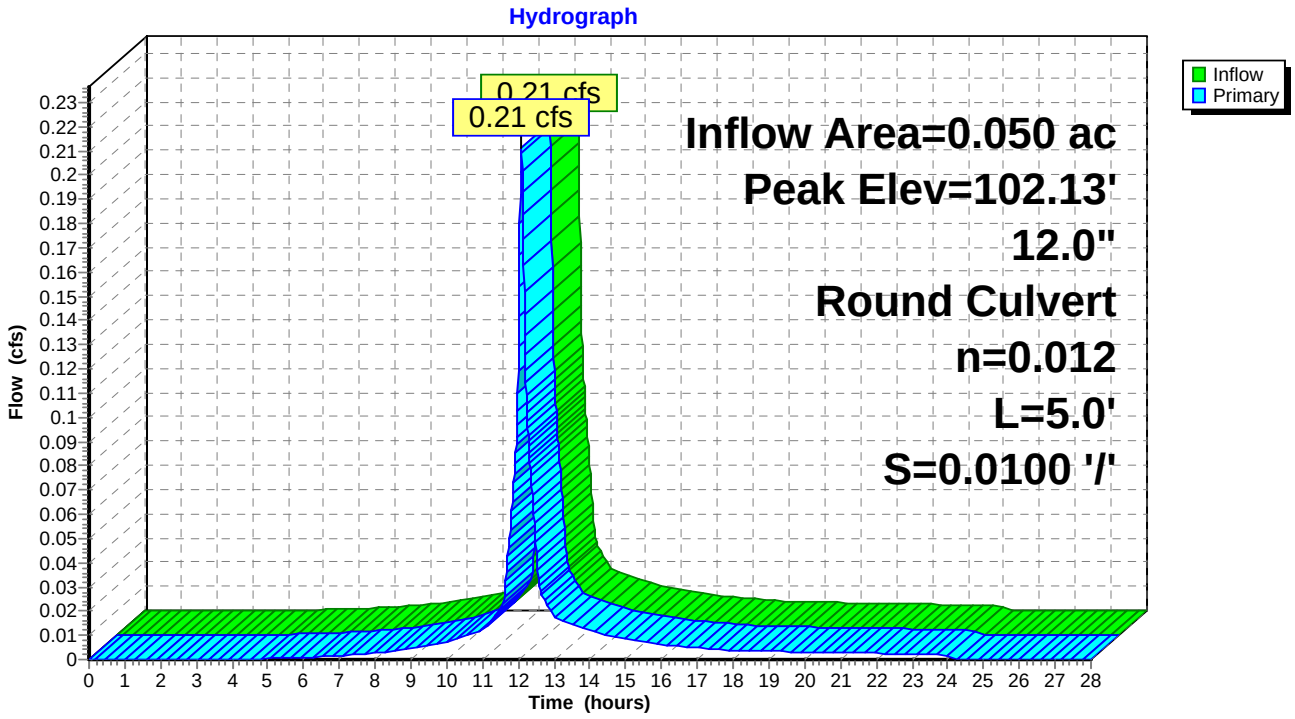
Inflow Area = 0.050 ac, 70.48% Impervious, Inflow Depth = 3.75" for 10-YR SEACOAST event
Inflow = 0.21 cfs @ 12.08 hrs, Volume= 0.016 af
Outflow = 0.21 cfs @ 12.08 hrs, Volume= 0.016 af, Atten= 0%, Lag= 0.0 min
Primary = 0.21 cfs @ 12.08 hrs, Volume= 0.016 af
Routed to Pond DMH-102 : DMH-102

Routing by Dyn-Stor-Ind method, Time Span= 0.00-28.00 hrs, dt= 0.01 hrs / 3
Peak Elev= 102.13' @ 12.35 hrs
Flood Elev= 103.75'

Device	Routing	Invert	Outlet Devices
#1	Primary	100.25'	**12.0" Round 12" HDPE (P-5)** L= 5.0' CPP, end-section conforming to fill, Ke= 0.500 Inlet / Outlet Invert= 100.25' / 100.20' S= 0.0100 '/' Cc= 0.900 n= 0.012 Corrugated PP, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=0.22 cfs @ 12.08 hrs HW=101.18' TW=101.17' (Dynamic Tailwater)
1=12" HDPE (P-5) (Inlet Controls 0.22 cfs @ 0.28 fps)

Pond CB-104: CB-104



Summary for Pond CB-105: CB-105

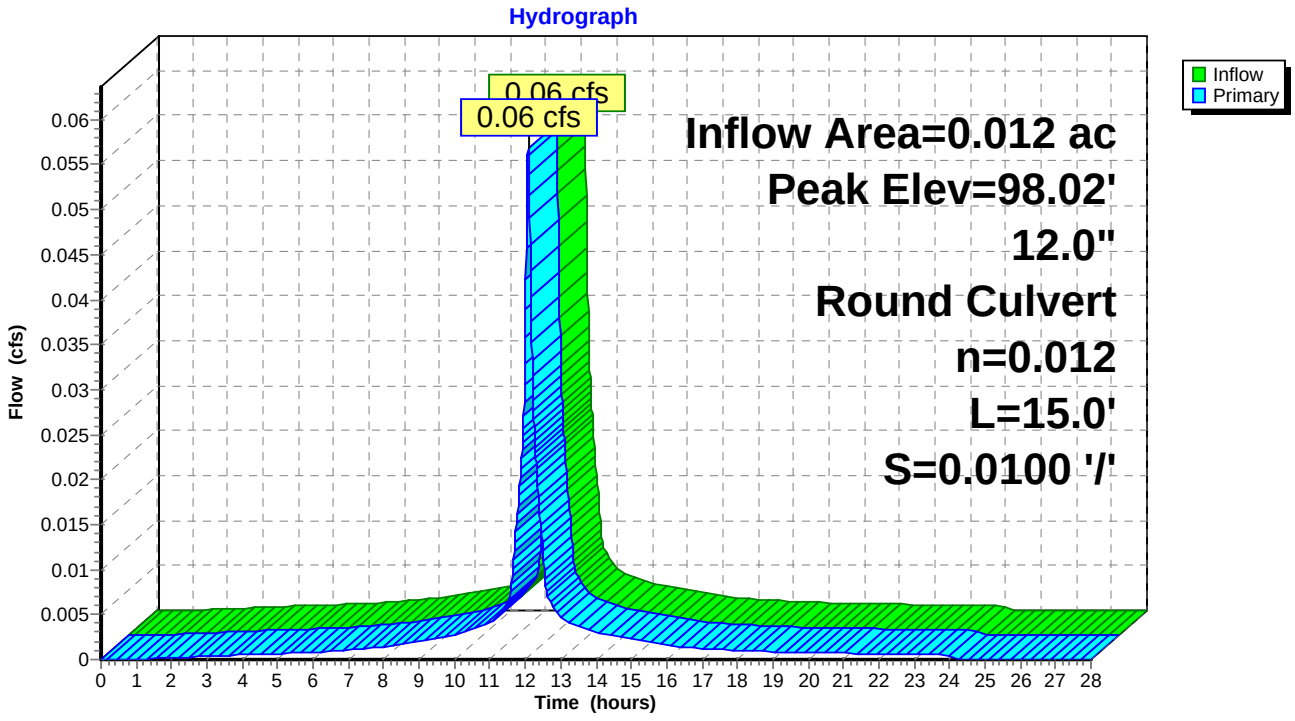
Inflow Area = 0.012 ac,100.00% Impervious, Inflow Depth = 4.52" for 10-YR SEACOAST event
Inflow = 0.06 cfs @ 12.08 hrs, Volume= 0.005 af
Outflow = 0.06 cfs @ 12.08 hrs, Volume= 0.005 af, Atten= 0%, Lag= 0.0 min
Primary = 0.06 cfs @ 12.08 hrs, Volume= 0.005 af
Routed to Pond CB-106 : CB-106

Routing by Dyn-Stor-Ind method, Time Span= 0.00-28.00 hrs, dt= 0.01 hrs / 3
Peak Elev= 98.02' @ 12.08 hrs
Flood Elev= 101.95'

Device	Routing	Invert	Outlet Devices
#1	Primary	97.90'	**12.0" Round 12" HDPE (P-9)** L= 15.0' CPP, end-section conforming to fill, Ke= 0.500 Inlet / Outlet Invert= 97.90' / 97.75' S= 0.0100 '/' Cc= 0.900 n= 0.012 Corrugated PP, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=0.06 cfs @ 12.08 hrs HW=98.02' TW=97.82' (Dynamic Tailwater)
1=12" HDPE (P-9) (Barrel Controls 0.06 cfs @ 1.63 fps)

Pond CB-105: CB-105



Summary for Pond CB-106: CB-106

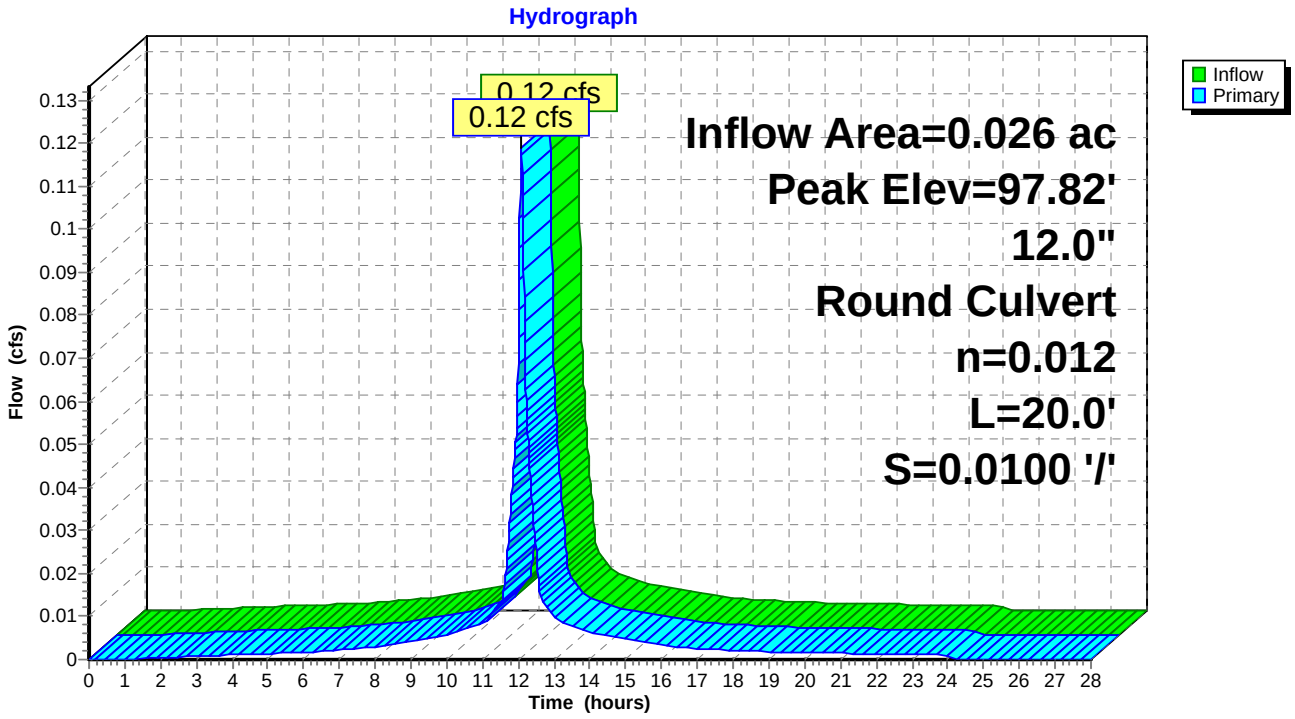
Inflow Area = 0.026 ac,100.00% Impervious, Inflow Depth = 4.52" for 10-YR SEACOAST event
Inflow = 0.12 cfs @ 12.08 hrs, Volume= 0.010 af
Outflow = 0.12 cfs @ 12.08 hrs, Volume= 0.010 af, Atten= 0%, Lag= 0.0 min
Primary = 0.12 cfs @ 12.08 hrs, Volume= 0.010 af
Routed to Pond DMH-103 : DMH-103

Routing by Dyn-Stor-Ind method, Time Span= 0.00-28.00 hrs, dt= 0.01 hrs / 3
Peak Elev= 97.82' @ 12.08 hrs
Flood Elev= 101.95'

Device	Routing	Invert	Outlet Devices
#1	Primary	97.65'	**12.0" Round 12" HDPE (P-10)** L= 20.0' CPP, end-section conforming to fill, Ke= 0.500 Inlet / Outlet Invert= 97.65' / 97.45' S= 0.0100 '/' Cc= 0.900 n= 0.012 Corrugated PP, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=0.12 cfs @ 12.08 hrs HW=97.82' TW=91.27' (Dynamic Tailwater)
1=12" HDPE (P-10) (Barrel Controls 0.12 cfs @ 2.00 fps)

Pond CB-106: CB-106



Summary for Pond DE-#1: Cottage #1 Stone Drip Edge

Inflow Area = 0.019 ac,100.00% Impervious, Inflow Depth = 4.52" for 10-YR SEACOAST event
Inflow = 0.09 cfs @ 12.08 hrs, Volume= 0.007 af
Outflow = 0.04 cfs @ 12.26 hrs, Volume= 0.007 af, Atten= 56%, Lag= 10.5 min
Primary = 0.04 cfs @ 12.26 hrs, Volume= 0.007 af
Routed to Pond YD-C#1 : Cottage #1 Yard Drain

Routing by Dyn-Stor-Ind method, Time Span= 0.00-28.00 hrs, dt= 0.01 hrs / 3
Peak Elev= 111.23' @ 12.26 hrs Surf.Area= 135 sf Storage= 40 cf
Flood Elev= 112.51' Surf.Area= 135 sf Storage= 110 cf

Plug-Flow detention time= 32.9 min calculated for 0.007 af (98% of inflow)
Center-of-Mass det. time= 20.2 min (769.1 - 748.8)

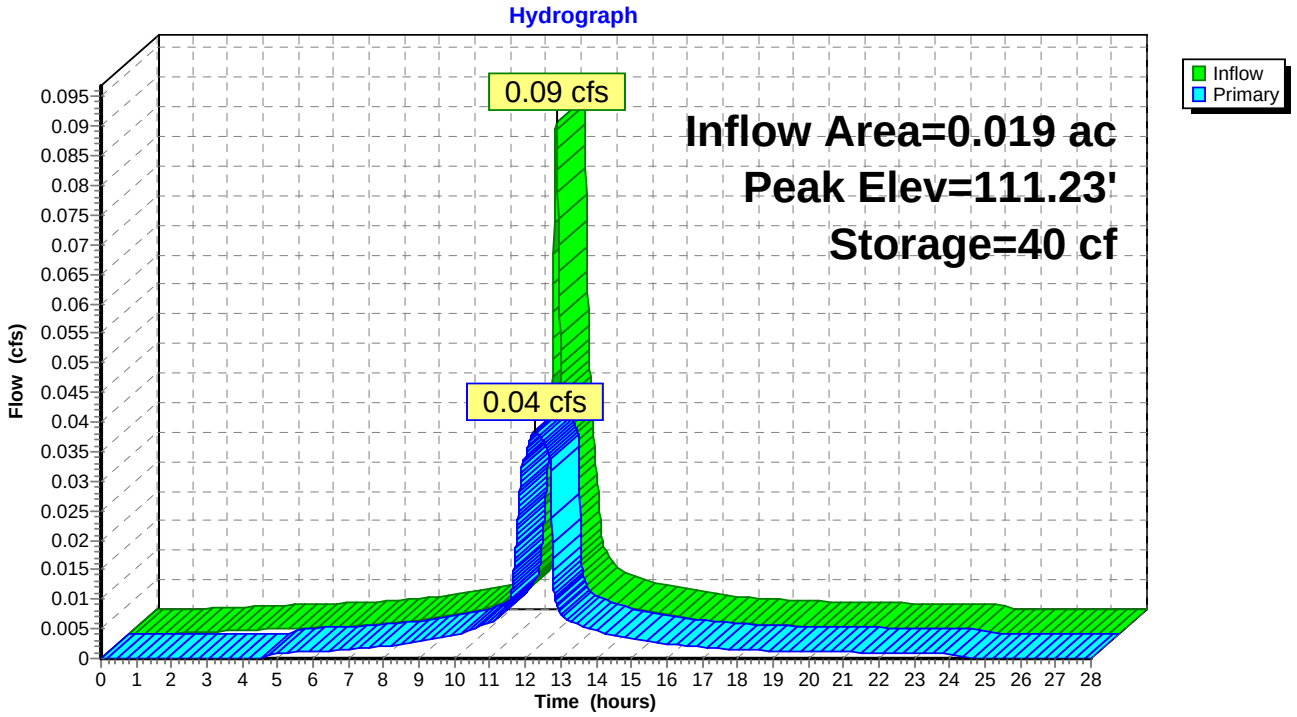
Volume	Invert	Avail.Storage	Storage Description
#1	110.49'	110 cf	**Custom Stage Data (Conic)**Listed below (Recalc)

Elevation (feet)	Surf.Area (sq-ft)	Voids (%)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)	Wet.Area (sq-ft)
110.49	135	0.0	0	0	135
110.50	135	40.0	1	1	135
112.50	135	40.0	108	109	218
112.51	135	100.0	1	110	218

Device	Routing	Invert	Outlet Devices
#1	Device 2	110.49'	**10.000 in/hr Exfiltration ro Underdrain over Wetted area** Phase-In= 0.01'
#2	Primary	110.60'	**6.0" Round 6" HDPE (P-21)** L= 5.0' CPP, end-section conforming to fill, Ke= 0.500 Inlet / Outlet Invert= 110.60' / 107.00' S= 0.7200 '/' Cc= 0.900 n= 0.012 Corrugated PP, smooth interior, Flow Area= 0.20 sf

Primary OutFlow Max=0.04 cfs @ 12.26 hrs HW=111.23' TW=107.27' (Dynamic Tailwater)
↑**2=6" HDPE (P-21)** (Passes 0.04 cfs of 0.59 cfs potential flow)
↑**1=Exfiltration ro Underdrain** (Exfiltration Controls 0.04 cfs)

Pond DE-#1: Cottage #1 Stone Drip Edge



Summary for Pond DE-#2: Cottage #2 Stone Drip Edge

Inflow Area = 0.019 ac,100.00% Impervious, Inflow Depth = 4.52" for 10-YR SEACOAST event
Inflow = 0.09 cfs @ 12.08 hrs, Volume= 0.007 af
Outflow = 0.04 cfs @ 12.25 hrs, Volume= 0.007 af, Atten= 55%, Lag= 10.2 min
Primary = 0.04 cfs @ 12.25 hrs, Volume= 0.007 af
Routed to Pond YD-C#2 : Cottage #2 Yard Drain

Routing by Dyn-Stor-Ind method, Time Span= 0.00-28.00 hrs, dt= 0.01 hrs / 3
Peak Elev= 112.72' @ 12.25 hrs Surf.Area= 135 sf Storage= 44 cf
Flood Elev= 114.10' Surf.Area= 135 sf Storage= 208 cf

Plug-Flow detention time= 49.2 min calculated for 0.007 af (96% of inflow)
Center-of-Mass det. time= 27.4 min (776.2 - 748.8)

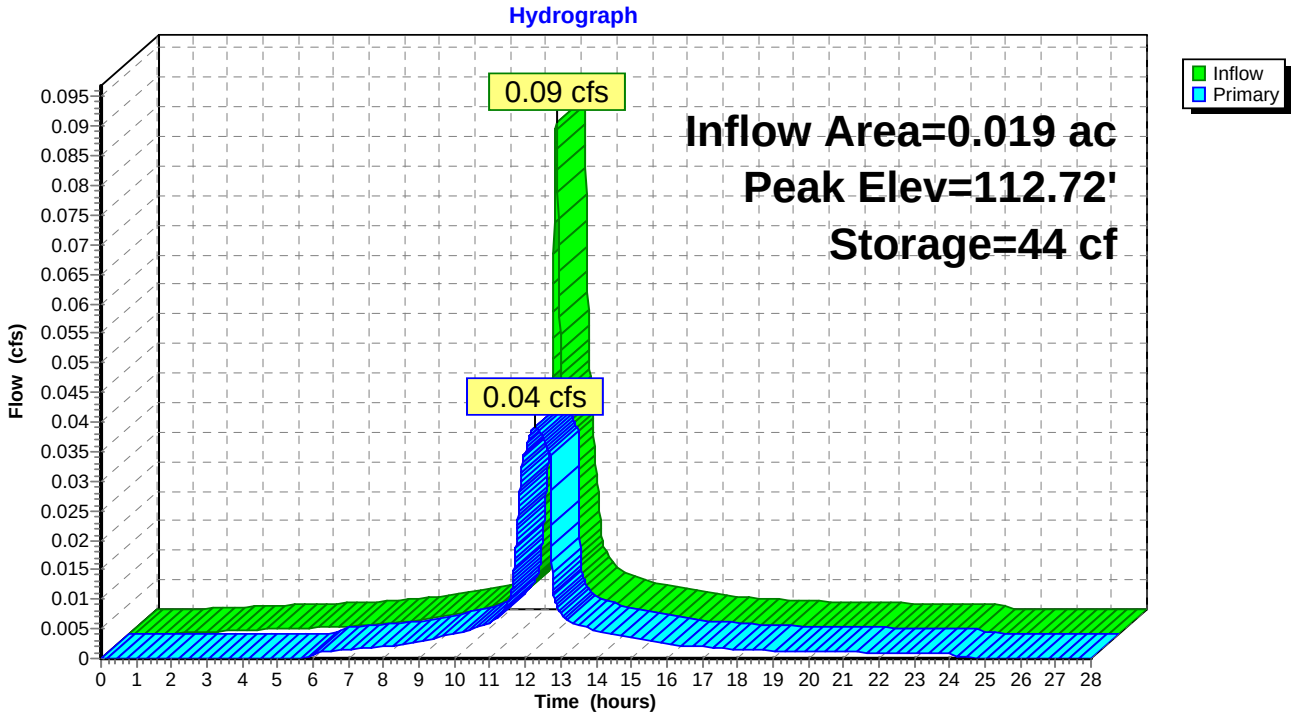
Volume	Invert	Avail.Storage	Storage Description
#1	111.90'	208 cf	**Custom Stage Data (Conic)**Listed below (Recalc)

Elevation (feet)	Surf.Area (sq-ft)	Voids (%)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)	Wet.Area (sq-ft)
111.90	135	0.0	0	0	135
112.00	135	40.0	5	5	139
113.00	135	40.0	54	59	180
114.10	135	100.0	148	208	226

Device	Routing	Invert	Outlet Devices
#1	Device 2	111.90'	**10.000 in/hr Exfiltration to Underdrain over Wetted area** Phase-In= 0.01'
#2	Primary	112.10'	**6.0" Round 6" HDPE (P-19)** L= 9.0' CPP, end-section conforming to fill, Ke= 0.500 Inlet / Outlet Invert= 112.10' / 109.00' S= 0.3444 '/' Cc= 0.900 n= 0.012 Corrugated PP, smooth interior, Flow Area= 0.20 sf

Primary OutFlow Max=0.04 cfs @ 12.25 hrs HW=112.72' TW=109.22' (Dynamic Tailwater)
↑**2=6" HDPE (P-19)** (Passes 0.04 cfs of 0.57 cfs potential flow)
↑**1=Exfiltration to Underdrain** (Exfiltration Controls 0.04 cfs)

Pond DE-#2: Cottage #2 Stone Drip Edge



Summary for Pond DE-#3: Cottage #3 Stone Drip Edge

Inflow Area = 0.019 ac,100.00% Impervious, Inflow Depth = 4.52" for 10-YR SEACOAST event
Inflow = 0.09 cfs @ 12.08 hrs, Volume= 0.007 af
Outflow = 0.04 cfs @ 12.26 hrs, Volume= 0.007 af, Atten= 56%, Lag= 10.5 min
Primary = 0.04 cfs @ 12.26 hrs, Volume= 0.007 af
Routed to Pond YD-C#3 : Cottage #3 Yard Drain

Routing by Dyn-Stor-Ind method, Time Span= 0.00-28.00 hrs, dt= 0.01 hrs / 3
Peak Elev= 113.73' @ 12.26 hrs Surf.Area= 135 sf Storage= 40 cf
Flood Elev= 115.01' Surf.Area= 135 sf Storage= 110 cf

Plug-Flow detention time= 33.1 min calculated for 0.007 af (98% of inflow)
Center-of-Mass det. time= 20.3 min (769.1 - 748.8)

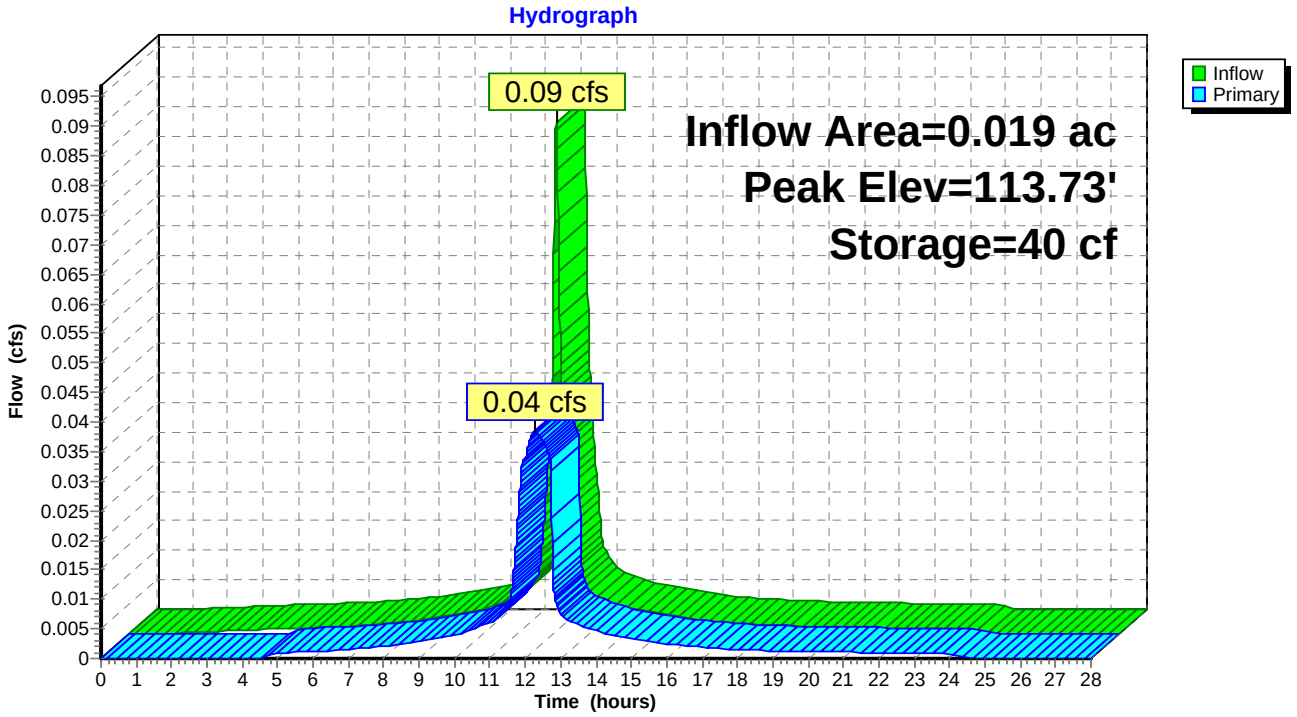
Volume	Invert	Avail.Storage	Storage Description
#1	112.99'	122 cf	**Custom Stage Data (Conic)**Listed below (Recalc)

Elevation (feet)	Surf.Area (sq-ft)	Voids (%)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)	Wet.Area (sq-ft)
112.99	135	0.0	0	0	135
113.00	135	40.0	1	1	135
115.00	135	40.0	108	109	218
115.10	135	100.0	13	122	222

Device	Routing	Invert	Outlet Devices
#1	Device 2	113.10'	**6.0" Round 6" HDPE (P-17)** L= 9.0' CPP, end-section conforming to fill, Ke= 0.500 Inlet / Outlet Invert= 113.10' / 110.00' S= 0.3444 '/' Cc= 0.900 n= 0.012 Corrugated PP, smooth interior, Flow Area= 0.20 sf
#2	Primary	112.99'	**10.000 in/hr Exfiltration to Underdrain over Wetted area** Phase-In= 0.01'

Primary OutFlow Max=0.04 cfs @ 12.26 hrs HW=113.73' TW=110.16' (Dynamic Tailwater)
↑**2=Exfiltration to Underdrain** (Exfiltration Controls 0.04 cfs)
↑**1=6" HDPE (P-17)** (Passes 0.04 cfs of 0.59 cfs potential flow)

Pond DE-#3: Cottage #3 Stone Drip Edge



Summary for Pond DE-#4: Cottage #4 Stone Drip Edge

Inflow Area = 0.019 ac,100.00% Impervious, Inflow Depth = 4.52" for 10-YR SEACOAST event
Inflow = 0.09 cfs @ 12.08 hrs, Volume= 0.007 af
Outflow = 0.08 cfs @ 12.11 hrs, Volume= 0.007 af, Atten= 3%, Lag= 1.3 min
Discarded = 0.03 cfs @ 11.92 hrs, Volume= 0.006 af
Primary = 0.05 cfs @ 12.11 hrs, Volume= 0.001 af
Routed to Pond YD-#1 : Yard Drain #1

Routing by Dyn-Stor-Ind method, Time Span= 0.00-28.00 hrs, dt= 0.01 hrs / 3
Peak Elev= 115.23' @ 12.11 hrs Surf.Area= 135 sf Storage= 13 cf
Flood Elev= 117.01' Surf.Area= 135 sf Storage= 110 cf

Plug-Flow detention time= 3.0 min calculated for 0.007 af (100% of inflow)
Center-of-Mass det. time= 3.0 min (751.8 - 748.8)

Volume	Invert	Avail.Storage	Storage Description
#1	114.99'	110 cf	**Custom Stage Data (Conic)**Listed below (Recalc)

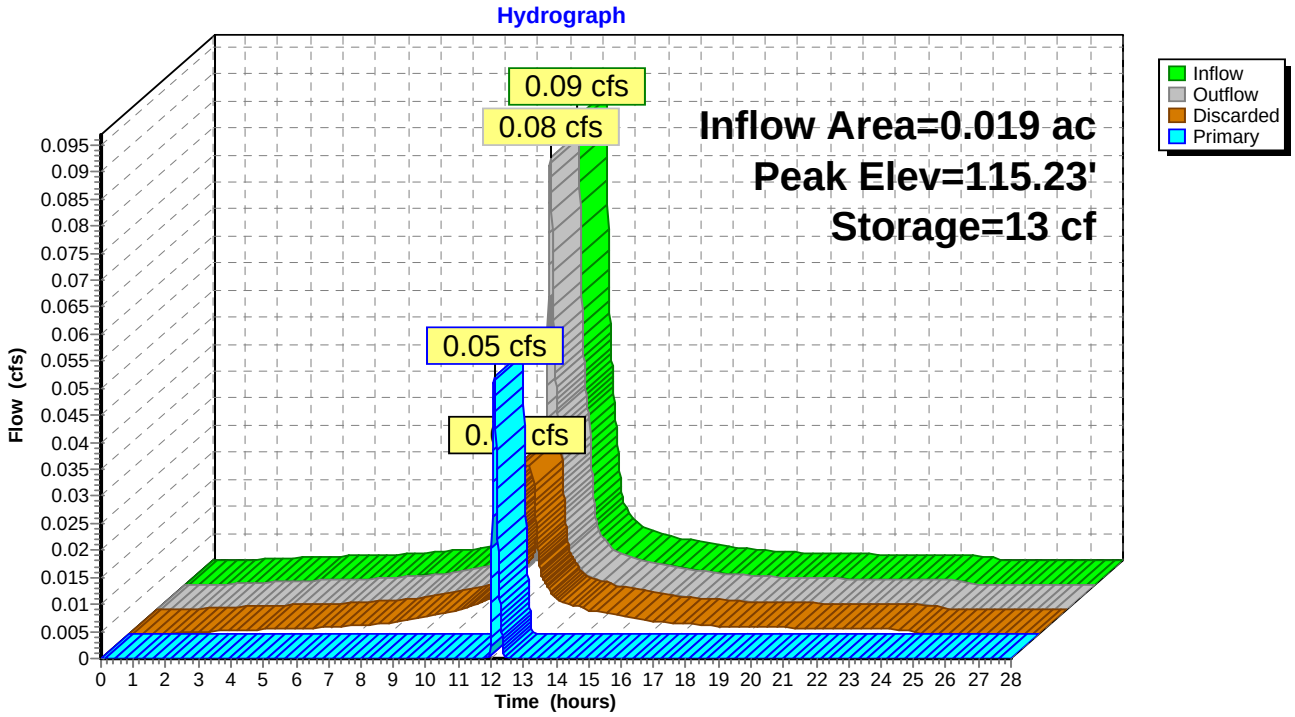
Elevation (feet)	Surf.Area (sq-ft)	Voids (%)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)	Wet.Area (sq-ft)
114.99	135	0.0	0	0	135
115.00	135	40.0	1	1	135
117.00	135	40.0	108	109	218
117.01	135	100.0	1	110	218

Device	Routing	Invert	Outlet Devices
#1	Primary	115.10'	**6.0" Round 6" HDPE (P-12)** L= 32.0' CPP, end-section conforming to fill, Ke= 0.500 Inlet / Outlet Invert= 115.10' / 114.20' S= 0.0281 '/' Cc= 0.900 n= 0.012 Corrugated PP, smooth interior, Flow Area= 0.20 sf
#2	Discarded	114.99'	**10.000 in/hr Exfiltration to Underdrain over Surface area** Phase-In= 0.10'

Discarded OutFlow Max=0.03 cfs @ 11.92 hrs HW=115.09' (Free Discharge)
↑—**2=Exfiltration to Underdrain** (Exfiltration Controls 0.03 cfs)

Primary OutFlow Max=0.05 cfs @ 12.11 hrs HW=115.23' TW=114.46' (Dynamic Tailwater)
↑—**1=6" HDPE (P-12)** (Inlet Controls 0.05 cfs @ 1.24 fps)

Pond DE-#4: Cottage #4 Stone Drip Edge



Summary for Pond DE-DB: Duplex Bldg "B" Stone Drip Edge

Inflow Area = 0.024 ac,100.00% Impervious, Inflow Depth = 4.52" for 10-YR SEACOAST event
Inflow = 0.11 cfs @ 12.08 hrs, Volume= 0.009 af
Outflow = 0.05 cfs @ 12.23 hrs, Volume= 0.009 af, Atten= 52%, Lag= 9.0 min
Primary = 0.05 cfs @ 12.23 hrs, Volume= 0.009 af
Routed to Pond YD-DB : Duplex Bldg "B" Yard Drain

Routing by Dyn-Stor-Ind method, Time Span= 0.00-28.00 hrs, dt= 0.01 hrs / 3
Peak Elev= 106.61' @ 12.23 hrs Surf.Area= 200 sf Storage= 49 cf
Flood Elev= 108.10' Surf.Area= 200 sf Storage= 181 cf

Plug-Flow detention time= 37.3 min calculated for 0.009 af (98% of inflow)
Center-of-Mass det. time= 22.8 min (771.7 - 748.8)

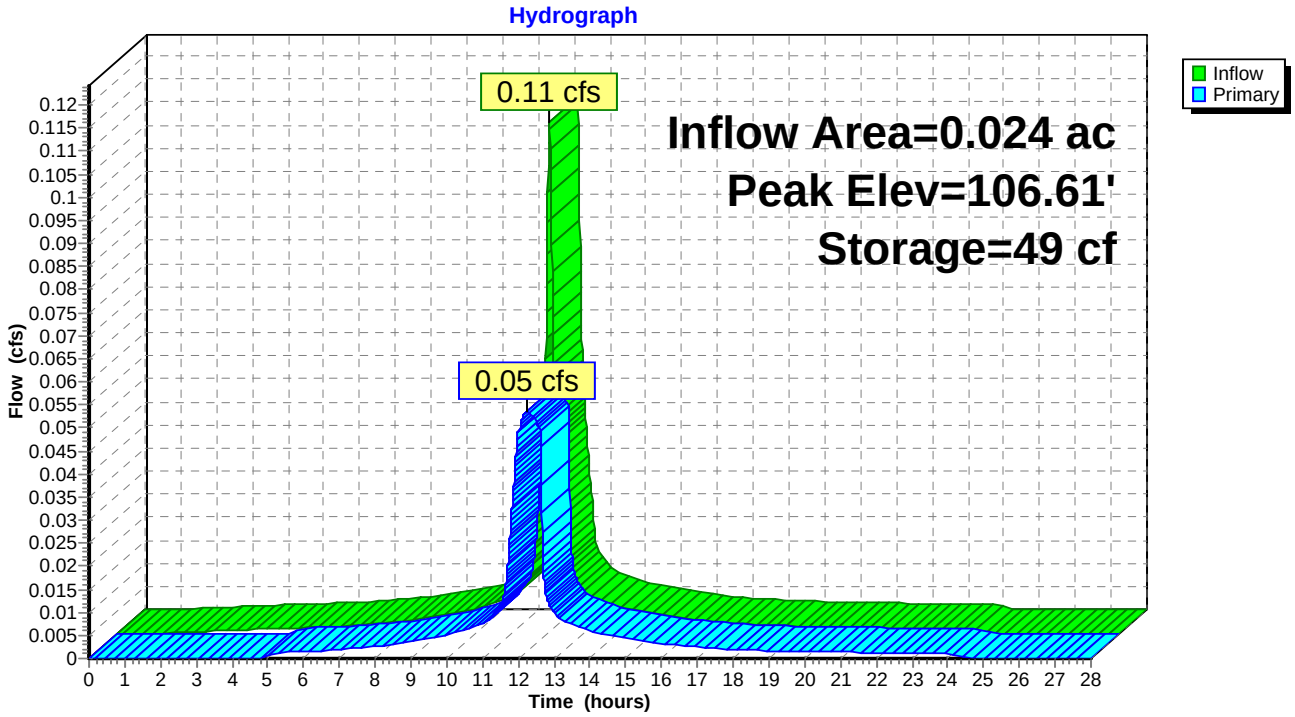
Volume	Invert	Avail.Storage	Storage Description
#1	105.99'	181 cf	**Custom Stage Data (Conic)**Listed below (Recalc)

Elevation (feet)	Surf.Area (sq-ft)	Voids (%)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)	Wet.Area (sq-ft)
105.99	200	0.0	0	0	200
106.00	200	40.0	1	1	201
108.00	200	40.0	160	161	301
108.10	200	100.0	20	181	306

Device	Routing	Invert	Outlet Devices
#1	Device 2	105.99'	**10.000 in/hr Exfiltration to Underdrain over Wetted area** Phase-In= 0.01'
#2	Primary	106.10'	**6.0" Round 6" HDPE (P-23)** L= 24.0' CPP, end-section conforming to fill, Ke= 0.500 Inlet / Outlet Invert= 106.10' / 104.50' S= 0.0667 '/' Cc= 0.900 n= 0.012 Corrugated PP, smooth interior, Flow Area= 0.20 sf

Primary OutFlow Max=0.05 cfs @ 12.23 hrs HW=106.61' TW=104.87' (Dynamic Tailwater)
↑**2=6" HDPE (P-23)** (Passes 0.05 cfs of 0.48 cfs potential flow)
↑**1=Exfiltration to Underdrain** (Exfiltration Controls 0.05 cfs)

Pond DE-DB: Duplex Bldg "B" Stone Drip Edge



Summary for Pond DE-EXS: Existing Single Family Stone Drip Edge

Inflow Area = 0.022 ac,100.00% Impervious, Inflow Depth = 4.52" for 10-YR SEACOAST event
Inflow = 0.10 cfs @ 12.08 hrs, Volume= 0.008 af
Outflow = 0.04 cfs @ 12.29 hrs, Volume= 0.008 af, Atten= 60%, Lag= 12.6 min
Primary = 0.04 cfs @ 12.29 hrs, Volume= 0.008 af
Routed to Pond YD-DB : Duplex Bldg "B" Yard Drain

Routing by Dyn-Stor-Ind method, Time Span= 0.00-28.00 hrs, dt= 0.01 hrs / 3
Peak Elev= 106.46' @ 12.29 hrs Surf.Area= 135 sf Storage= 52 cf
Flood Elev= 107.60' Surf.Area= 135 sf Storage= 110 cf

Plug-Flow detention time= 30.6 min calculated for 0.008 af (98% of inflow)
Center-of-Mass det. time= 19.6 min (768.5 - 748.8)

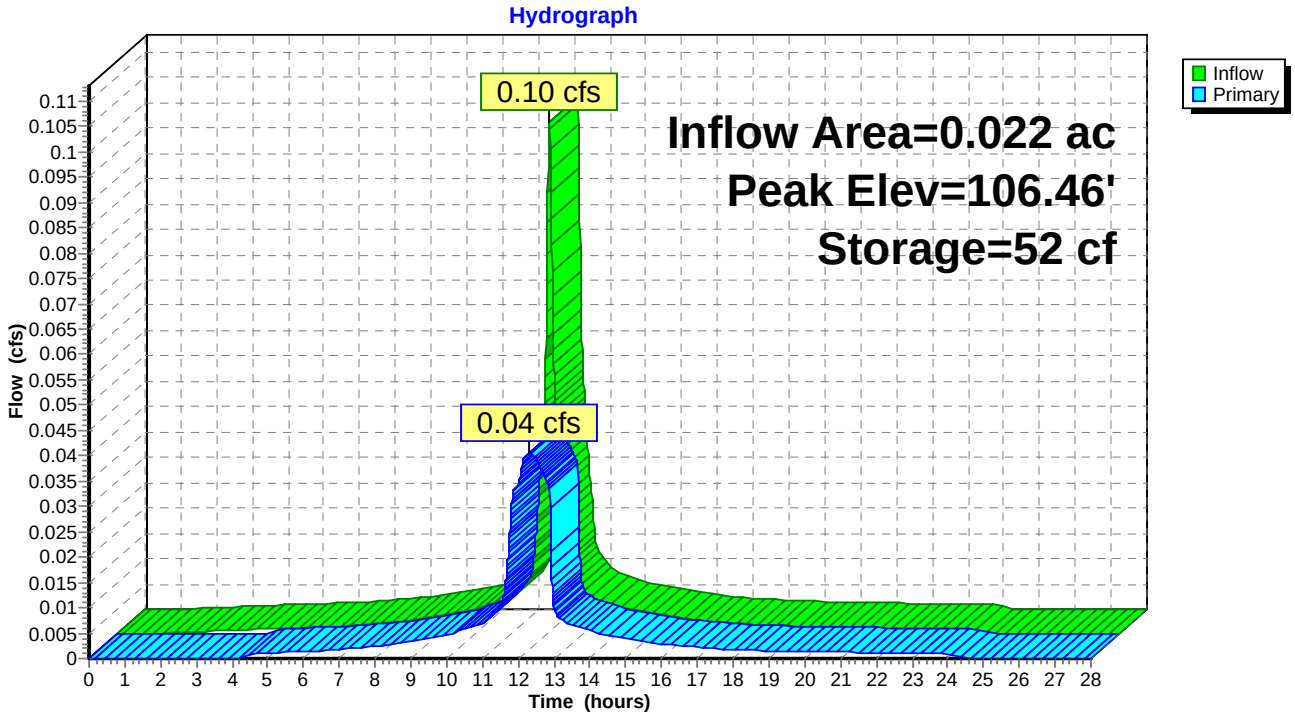
Volume	Invert	Avail.Storage	Storage Description
#1	105.49'	110 cf	**Custom Stage Data (Conic)**Listed below (Recalc)

Elevation (feet)	Surf.Area (sq-ft)	Voids (%)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)	Wet.Area (sq-ft)
105.49	135	0.0	0	0	135
105.50	135	40.0	1	1	135
107.50	135	40.0	108	109	218
107.51	135	100.0	1	110	218

Device	Routing	Invert	Outlet Devices
#1	Device 2	105.49'	**10.000 in/hr Exfiltration to Underdrain over Wetted area** Phase-In= 0.01'
#2	Primary	105.60'	**6.0" Round 6" HDPE (P-24)** L= 8.0' CPP, end-section conforming to fill, Ke= 0.500 Inlet / Outlet Invert= 105.60' / 104.50' S= 0.1375 '/' Cc= 0.900 n= 0.012 Corrugated PP, smooth interior, Flow Area= 0.20 sf

Primary OutFlow Max=0.04 cfs @ 12.29 hrs HW=106.46' TW=104.85' (Dynamic Tailwater)
↑**2=6" HDPE (P-24)** (Passes 0.04 cfs of 0.74 cfs potential flow)
↑**1=Exfiltration to Underdrain** (Exfiltration Controls 0.04 cfs)

Pond DE-EXS: Existing Single Family Stone Drip Edge



Summary for Pond DMH-101: DMH-101

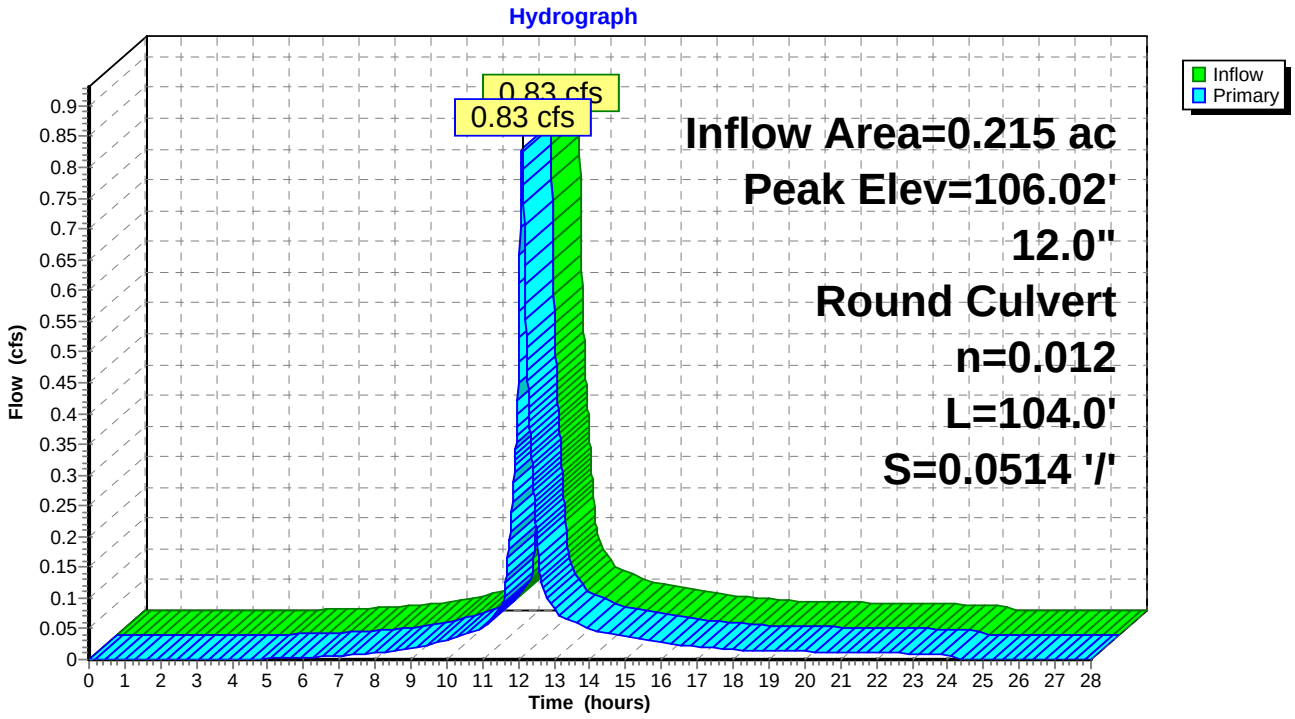
Inflow Area = 0.215 ac, 68.98% Impervious, Inflow Depth = 3.69" for 10-YR SEACOAST event
Inflow = 0.83 cfs @ 12.10 hrs, Volume= 0.066 af
Outflow = 0.83 cfs @ 12.10 hrs, Volume= 0.066 af, Atten= 0%, Lag= 0.0 min
Primary = 0.83 cfs @ 12.10 hrs, Volume= 0.066 af
Routed to Pond DMH-102 : DMH-102

Routing by Dyn-Stor-Ind method, Time Span= 0.00-28.00 hrs, dt= 0.01 hrs / 3
Peak Elev= 106.02' @ 12.10 hrs
Flood Elev= 109.65'

Device	Routing	Invert	Outlet Devices
#1	Primary	105.55'	**12.0" Round 12" HDPE (P-3)** L= 104.0' CPP, end-section conforming to fill, Ke= 0.500 Inlet / Outlet Invert= 105.55' / 100.20' S= 0.0514 '/' Cc= 0.900 n= 0.012 Corrugated PP, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=0.83 cfs @ 12.10 hrs HW=106.01' TW=101.38' (Dynamic Tailwater)
↑—**1=12" HDPE (P-3)** (Inlet Controls 0.83 cfs @ 2.32 fps)

Pond DMH-101: DMH-101



Summary for Pond DMH-102: DMH-102

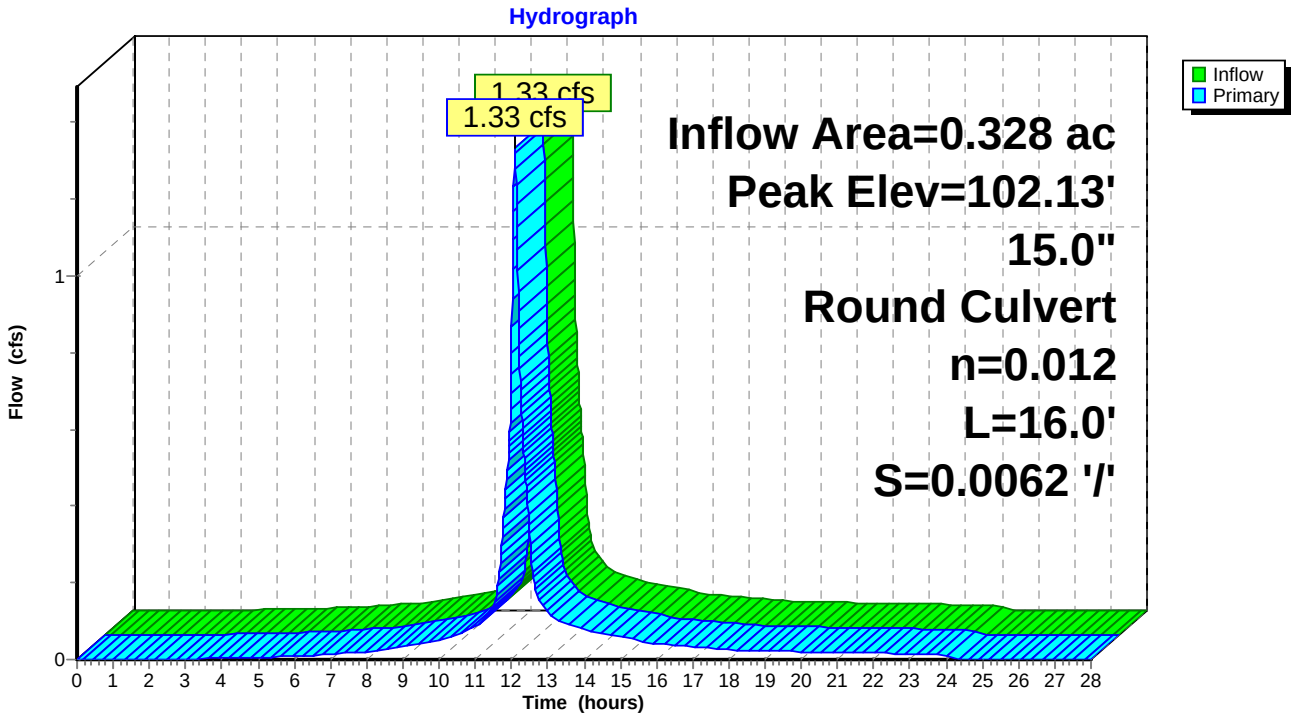
Inflow Area = 0.328 ac, 75.22% Impervious, Inflow Depth = 3.86" for 10-YR SEACOAST event
Inflow = 1.33 cfs @ 12.09 hrs, Volume= 0.106 af
Outflow = 1.33 cfs @ 12.09 hrs, Volume= 0.106 af, Atten= 0%, Lag= 0.0 min
Primary = 1.33 cfs @ 12.09 hrs, Volume= 0.106 af
Routed to Pond BIO-1 : BIO-1

Routing by Dyn-Stor-Ind method, Time Span= 0.00-28.00 hrs, dt= 0.01 hrs / 3
Peak Elev= 102.13' @ 12.35 hrs
Flood Elev= 104.00'

Device	Routing	Invert	Outlet Devices
#1	Primary	100.10'	**15.0" Round 15" HDPE (P-6)** L= 16.0' CPP, end-section conforming to fill, Ke= 0.500 Inlet / Outlet Invert= 100.10' / 100.00' S= 0.0062 '/' Cc= 0.900 n= 0.012 Corrugated PP, smooth interior, Flow Area= 1.23 sf

Primary OutFlow Max=1.35 cfs @ 12.09 hrs HW=101.29' TW=101.23' (Dynamic Tailwater)
1=15" HDPE (P-6) (Outlet Controls 1.35 cfs @ 1.44 fps)

Pond DMH-102: DMH-102



Summary for Pond DMH-103: DMH-103

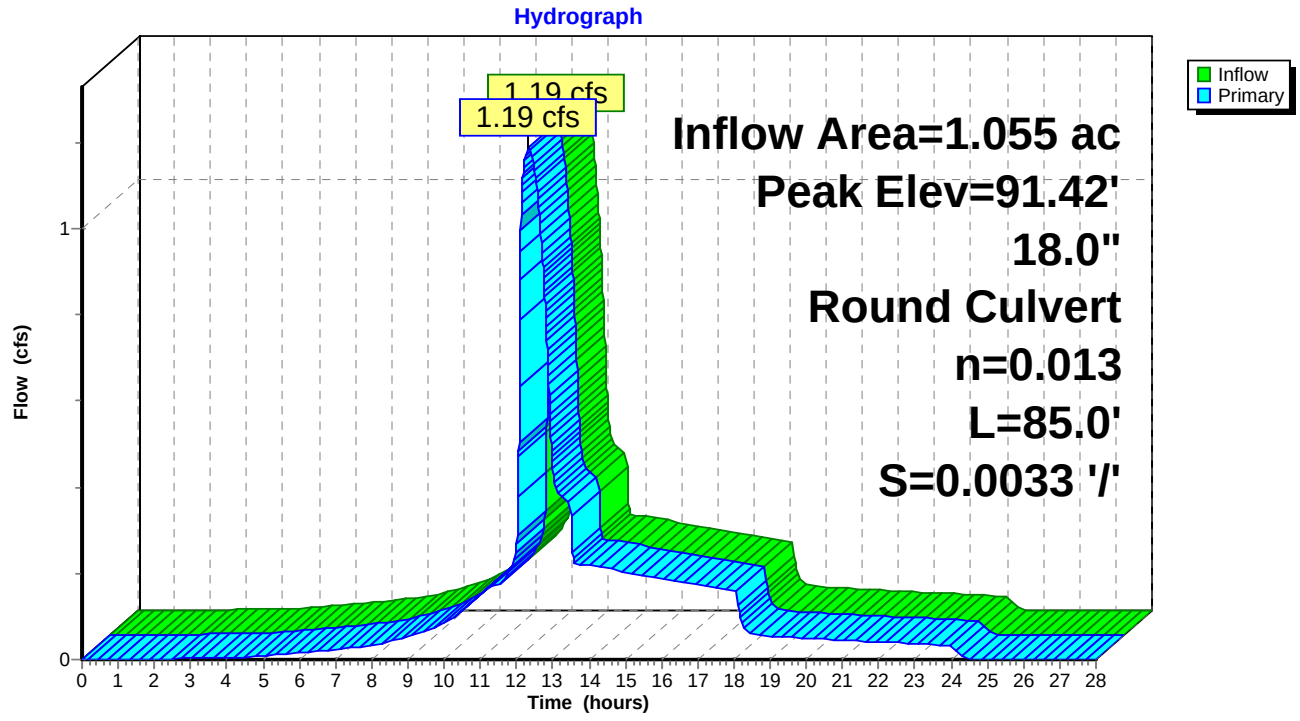
Inflow Area = 1.055 ac, 38.68% Impervious, Inflow Depth = 2.61" for 10-YR SEACOAST event
Inflow = 1.19 cfs @ 12.33 hrs, Volume= 0.229 af
Outflow = 1.19 cfs @ 12.33 hrs, Volume= 0.229 af, Atten= 0%, Lag= 0.0 min
Primary = 1.19 cfs @ 12.33 hrs, Volume= 0.229 af
Routed to Link AP-T : AP-Total

Routing by Dyn-Stor-Ind method, Time Span= 0.00-28.00 hrs, dt= 0.01 hrs / 3
Peak Elev= 91.42' @ 12.33 hrs
Flood Elev= 102.50'

Device	Routing	Invert	Outlet Devices
#1	Primary	90.80'	**18.0" Round Existing 18" Pipe** L= 85.0' CMP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 90.80' / 90.52' S= 0.0033 '/' Cc= 0.900 n= 0.013 Clay tile, Flow Area= 1.77 sf

Primary OutFlow Max=1.19 cfs @ 12.33 hrs HW=91.42' TW=0.00' (Dynamic Tailwater)
1=Existing 18" Pipe (Barrel Controls 1.19 cfs @ 2.53 fps)

Pond DMH-103: DMH-103



Summary for Pond ST: Stormtech - SC-310

Inflow Area = 0.155 ac, 19.84% Impervious, Inflow Depth = 1.03" for 10-YR SEACOAST event
Inflow = 0.20 cfs @ 12.10 hrs, Volume= 0.013 af
Outflow = 0.07 cfs @ 12.41 hrs, Volume= 0.013 af, Atten= 67%, Lag= 18.1 min
Discarded = 0.07 cfs @ 12.41 hrs, Volume= 0.013 af
Primary = 0.00 cfs @ 0.00 hrs, Volume= 0.000 af
Routed to Pond YD-C#5 : Cottage #5 Yard Drain

Routing by Dyn-Stor-Ind method, Time Span= 0.00-28.00 hrs, dt= 0.01 hrs / 3
Peak Elev= 114.24' @ 12.41 hrs Surf.Area= 267 sf Storage= 99 cf
Flood Elev= 115.85' Surf.Area= 267 sf Storage= 320 cf

Plug-Flow detention time= 9.3 min calculated for 0.013 af (100% of inflow)
Center-of-Mass det. time= 9.3 min (883.1 - 873.8)

Volume	Invert	Avail.Storage	Storage Description
#1A	113.50'	202 cf	**8.42'W x 31.68'L x 2.33'H Field A** 622 cf Overall - 118 cf Embedded = 504 cf x 40.0% Voids
#2A	114.00'	118 cf	**ADS_StormTech SC-310 +Cap** x 8 Inside #1 Effective Size= 28.9"W x 16.0"H => 2.07 sf x 7.12'L = 14.7 cf Overall Size= 34.0"W x 16.0"H x 7.56'L with 0.44' Overlap 8 Chambers in 2 Rows
		320 cf	Total Available Storage

Storage Group A created with Chamber Wizard

Device	Routing	Invert	Outlet Devices
#1	Discarded	113.50'	**9.000 in/hr Exfiltration over Wetted area** Phase-In= 0.10'
#2	Primary	114.50'	**6.0" Round 6" HDPE (P-11)** L= 14.0' CPP, end-section conforming to fill, Ke= 0.500 Inlet / Outlet Invert= 114.50' / 113.00' S= 0.1071 '/' Cc= 0.900 n= 0.012 Corrugated PP, smooth interior, Flow Area= 0.20 sf

Discarded OutFlow Max=0.07 cfs @ 12.41 hrs HW=114.24' (Free Discharge)
↑└**1=Exfiltration** (Exfiltration Controls 0.07 cfs)

Primary OutFlow Max=0.00 cfs @ 0.00 hrs HW=113.50' TW=112.90' (Dynamic Tailwater)
↑└**2=6" HDPE (P-11)** (Controls 0.00 cfs)

Pond ST: Stormtech - SC-310 - Chamber Wizard Field A

Chamber Model = ADS_StormTech SC-310 +Cap (ADS StormTech® SC-310 with cap length)
Effective Size= 28.9"W x 16.0"H => 2.07 sf x 7.12'L = 14.7 cf
Overall Size= 34.0"W x 16.0"H x 7.56'L with 0.44' Overlap

34.0" Wide + 9.0" Spacing = 43.0" C-C Row Spacing

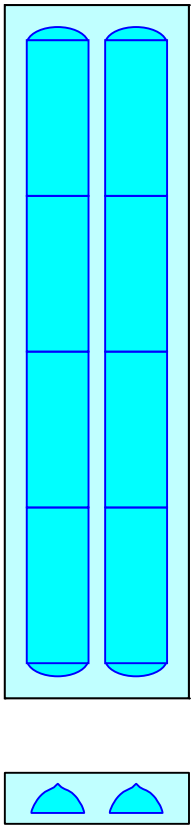
4 Chambers/Row x 7.12' Long +0.60' Cap Length x 2 = 29.68' Row Length +12.0" End Stone x 2 = 31.68' Base Length
2 Rows x 34.0" Wide + 9.0" Spacing x 1 + 12.0" Side Stone x 2 = 8.42' Base Width
6.0" Stone Base + 16.0" Chamber Height + 6.0" Stone Cover = 2.33' Field Height

8 Chambers x 14.7 cf = 117.9 cf Chamber Storage

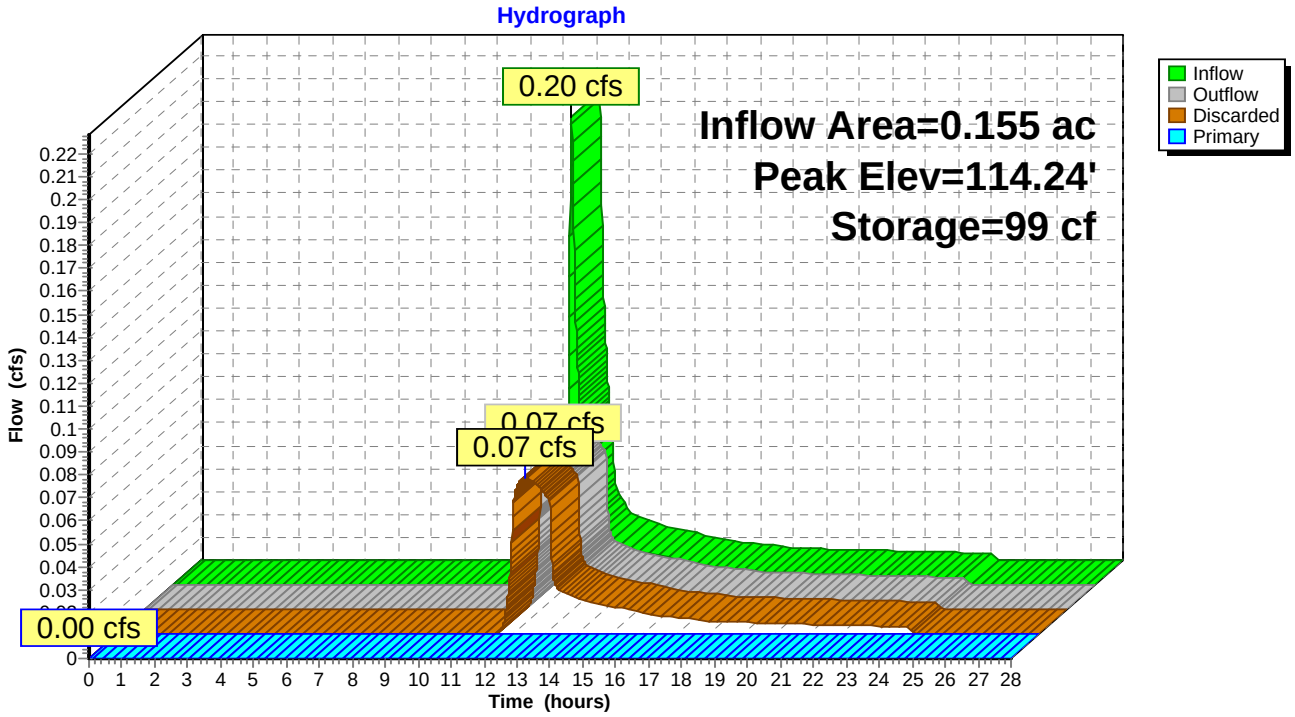
622.2 cf Field - 117.9 cf Chambers = 504.2 cf Stone x 40.0% Voids = 201.7 cf Stone Storage

Chamber Storage + Stone Storage = 319.6 cf = 0.007 af
Overall Storage Efficiency = 51.4%
Overall System Size = 31.68' x 8.42' x 2.33'

8 Chambers
23.0 cy Field
18.7 cy Stone



Pond ST: Stormtech - SC-310



Summary for Pond YD-#1: Yard Drain #1

Inflow Area = 0.155 ac, 19.84% Impervious, Inflow Depth = 1.03" for 10-YR SEACOAST event
Inflow = 0.20 cfs @ 12.10 hrs, Volume= 0.013 af
Outflow = 0.20 cfs @ 12.10 hrs, Volume= 0.013 af, Atten= 0%, Lag= 0.0 min
Primary = 0.20 cfs @ 12.10 hrs, Volume= 0.013 af
Routed to Pond ST : Stormtech - SC-310

Routing by Dyn-Stor-Ind method, Time Span= 0.00-28.00 hrs, dt= 0.01 hrs / 3
Peak Elev= 114.46' @ 12.10 hrs Surf.Area= 1 sf Storage= 0 cf
Flood Elev= 115.75' Surf.Area= 750 sf Storage= 5 cf

Plug-Flow detention time= 0.2 min calculated for 0.013 af (100% of inflow)
Center-of-Mass det. time= 0.1 min (873.8 - 873.7)

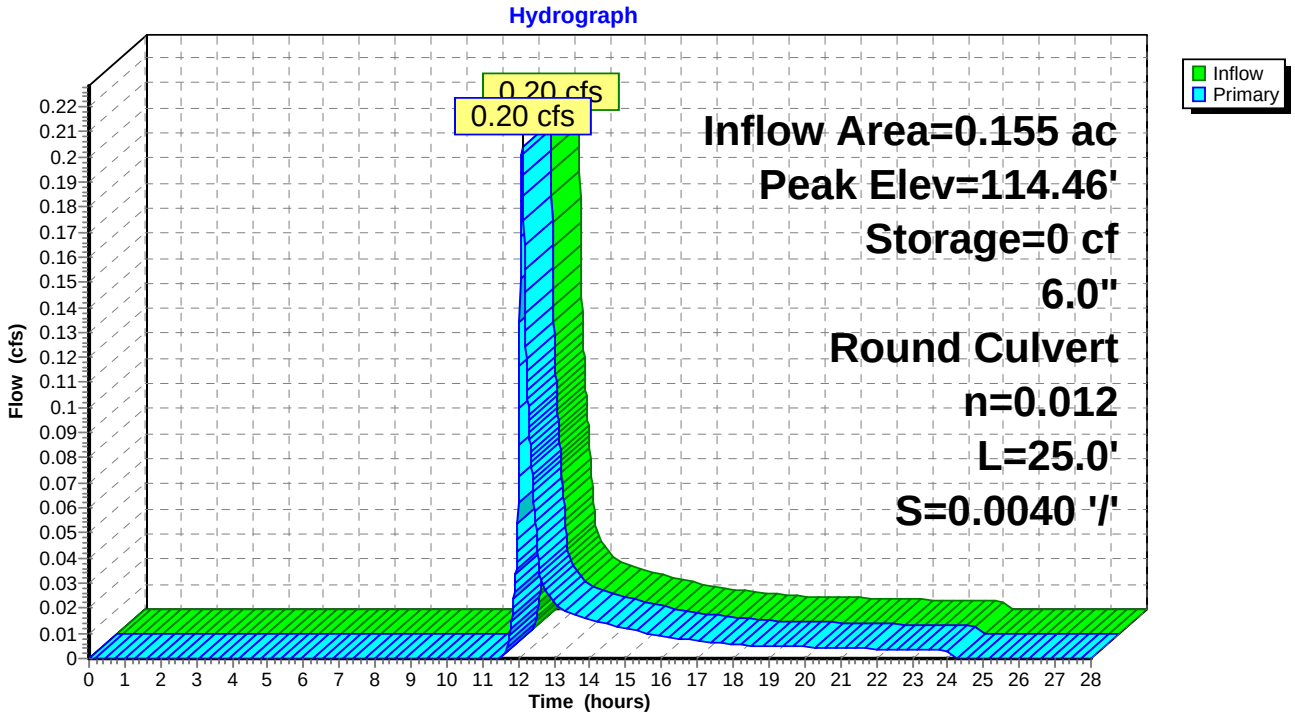
Volume	Invert	Avail.Storage	Storage Description
#1	114.00'	5 cf	**Custom Stage Data (Prismatic)** Listed below (Recalc)

Elevation (feet)	Surf.Area (sq-ft)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
114.00	1	0	0
115.74	1	2	2
115.75	750	4	5

Device	Routing	Invert	Outlet Devices
#1	Primary	114.10'	**6.0" Round 6" HDPE (P-13)** L= 25.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 114.10' / 114.00' S= 0.0040 '/' Cc= 0.900 n= 0.012 Corrugated PP, smooth interior, Flow Area= 0.20 sf

Primary OutFlow Max=0.20 cfs @ 12.10 hrs HW=114.46' TW=113.90' (Dynamic Tailwater)
↑**1=6" HDPE (P-13)** (Barrel Controls 0.20 cfs @ 1.88 fps)

Pond YD-#1: Yard Drain #1



Summary for Pond YD-C#1: Cottage #1 Yard Drain

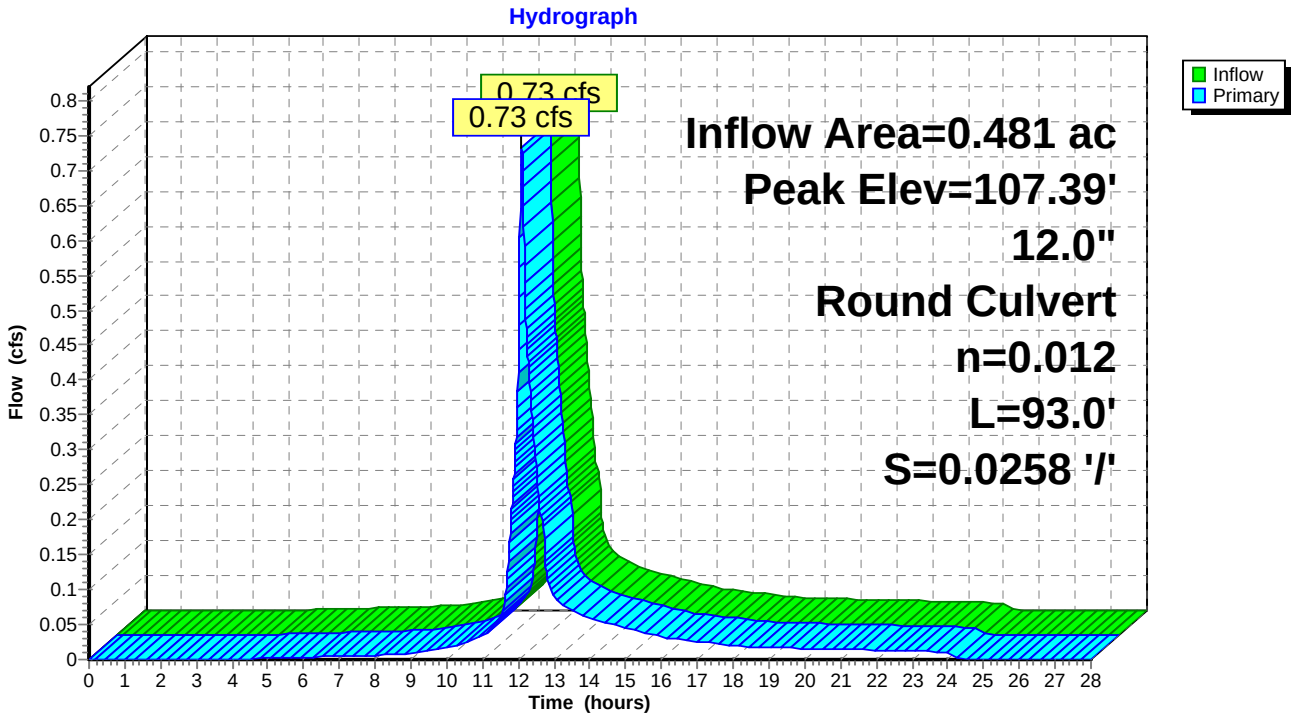
Inflow Area = 0.481 ac, 18.71% Impervious, Inflow Depth = 1.64" for 10-YR SEACOAST event
Inflow = 0.73 cfs @ 12.09 hrs, Volume= 0.066 af
Outflow = 0.73 cfs @ 12.09 hrs, Volume= 0.066 af, Atten= 0%, Lag= 0.0 min
Primary = 0.73 cfs @ 12.09 hrs, Volume= 0.066 af
Routed to Pond YD-DB : Duplex Bldg "B" Yard Drain

Routing by Dyn-Stor-Ind method, Time Span= 0.00-28.00 hrs, dt= 0.01 hrs / 3
Peak Elev= 107.39' @ 12.09 hrs
Flood Elev= 110.00'

Device	Routing	Invert	Outlet Devices
#1	Primary	106.90'	**12.0" Round 12" HDPE (P-22)** L= 93.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 106.90' / 104.50' S= 0.0258 '/' Cc= 0.900 n= 0.012 Corrugated PP, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=0.73 cfs @ 12.09 hrs HW=107.39' TW=105.01' (Dynamic Tailwater)
1=12" HDPE (P-22) (Inlet Controls 0.73 cfs @ 1.89 fps)

Pond YD-C#1: Cottage #1 Yard Drain



Summary for Pond YD-C#2: Cottage #2 Yard Drain

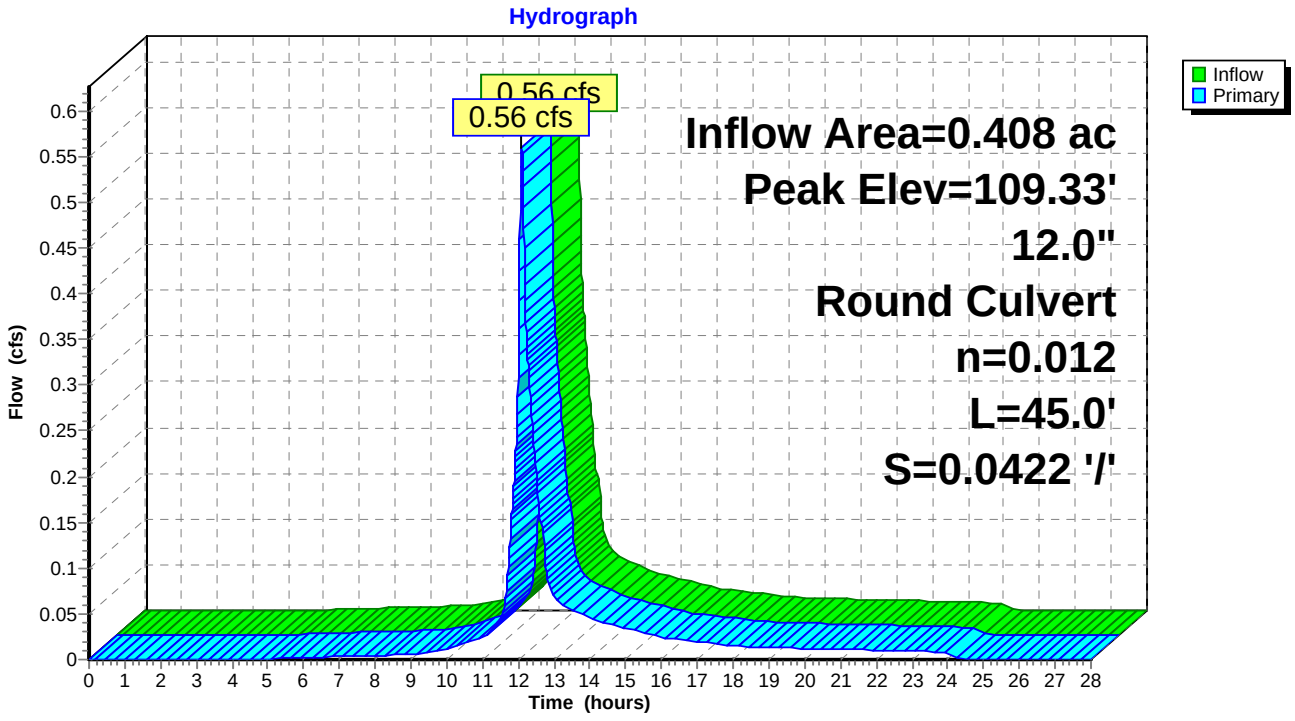
Inflow Area = 0.408 ac, 17.48% Impervious, Inflow Depth = 1.44" for 10-YR SEACOAST event
Inflow = 0.56 cfs @ 12.09 hrs, Volume= 0.049 af
Outflow = 0.56 cfs @ 12.09 hrs, Volume= 0.049 af, Atten= 0%, Lag= 0.0 min
Primary = 0.56 cfs @ 12.09 hrs, Volume= 0.049 af
Routed to Pond YD-C#1 : Cottage #1 Yard Drain

Routing by Dyn-Stor-Ind method, Time Span= 0.00-28.00 hrs, dt= 0.01 hrs / 3
Peak Elev= 109.33' @ 12.09 hrs
Flood Elev= 112.00'

Device	Routing	Invert	Outlet Devices
#1	Primary	108.90'	**12.0" Round 12" HDPE (P-20)** L= 45.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 108.90' / 107.00' S= 0.0422 '/' Cc= 0.900 n= 0.012 Corrugated PP, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=0.56 cfs @ 12.09 hrs HW=109.33' TW=107.39' (Dynamic Tailwater)
1=12" HDPE (P-20) (Inlet Controls 0.56 cfs @ 1.75 fps)

Pond YD-C#2: Cottage #2 Yard Drain



Summary for Pond YD-C#3: Cottage #3 Yard Drain

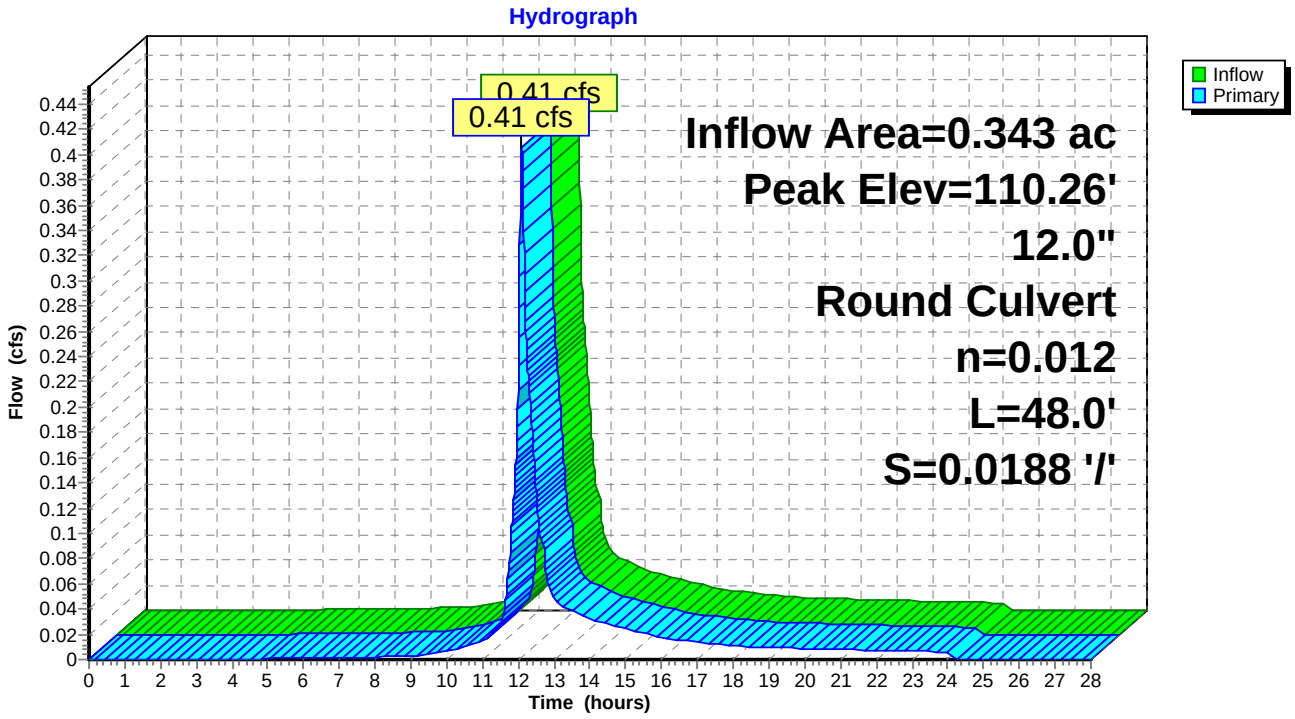
Inflow Area = 0.343 ac, 15.36% Impervious, Inflow Depth = 1.18" for 10-YR SEACOAST event
Inflow = 0.41 cfs @ 12.09 hrs, Volume= 0.034 af
Outflow = 0.41 cfs @ 12.09 hrs, Volume= 0.034 af, Atten= 0%, Lag= 0.0 min
Primary = 0.41 cfs @ 12.09 hrs, Volume= 0.034 af
Routed to Pond YD-C#2 : Cottage #2 Yard Drain

Routing by Dyn-Stor-Ind method, Time Span= 0.00-28.00 hrs, dt= 0.01 hrs / 3
Peak Elev= 110.26' @ 12.09 hrs
Flood Elev= 113.00'

Device	Routing	Invert	Outlet Devices
#1	Primary	109.90'	**12.0" Round 12" HDPE (P-18)** L= 48.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 109.90' / 109.00' S= 0.0188 '/' Cc= 0.900 n= 0.012 Corrugated PP, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=0.40 cfs @ 12.09 hrs HW=110.26' TW=109.33' (Dynamic Tailwater)
1=12" HDPE (P-18) (Inlet Controls 0.40 cfs @ 1.61 fps)

Pond YD-C#3: Cottage #3 Yard Drain



Summary for Pond YD-C#4: Cottage #4 Yard Drain

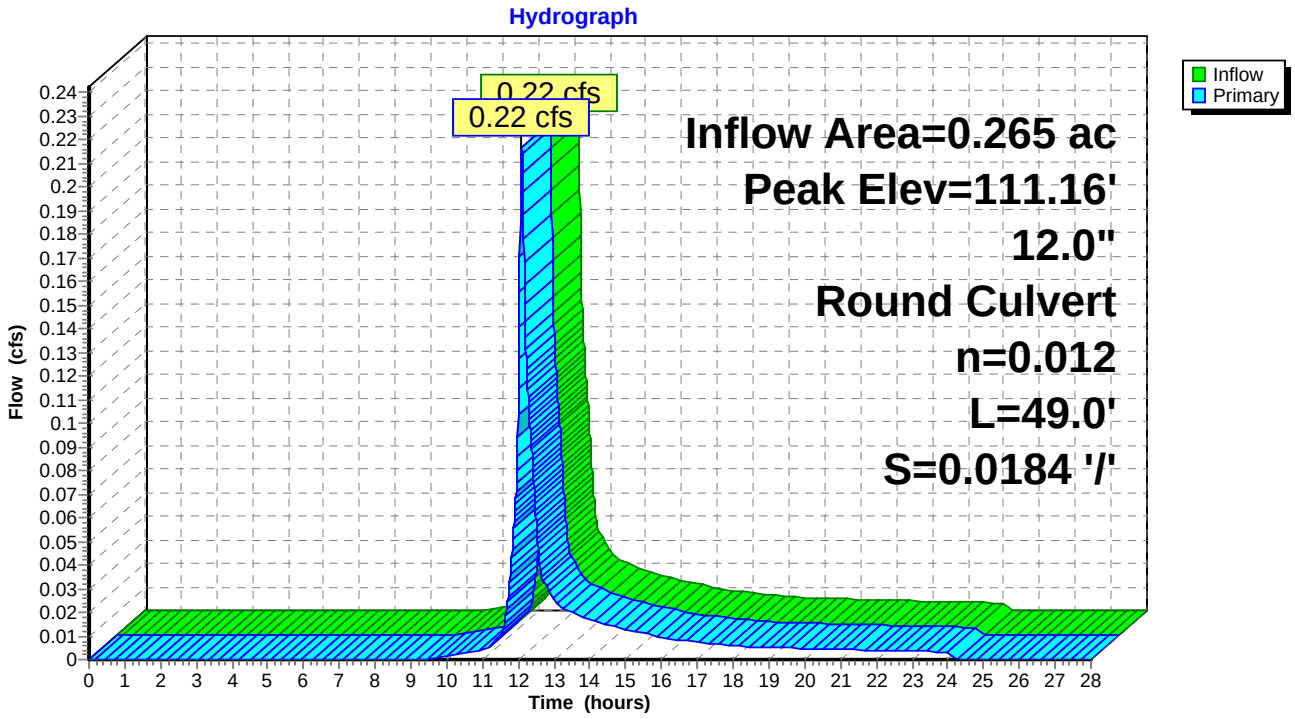
Inflow Area = 0.265 ac, 12.91% Impervious, Inflow Depth = 0.73" for 10-YR SEACOAST event
Inflow = 0.22 cfs @ 12.09 hrs, Volume= 0.016 af
Outflow = 0.22 cfs @ 12.09 hrs, Volume= 0.016 af, Atten= 0%, Lag= 0.0 min
Primary = 0.22 cfs @ 12.09 hrs, Volume= 0.016 af
Routed to Pond YD-C#3 : Cottage #3 Yard Drain

Routing by Dyn-Stor-Ind method, Time Span= 0.00-28.00 hrs, dt= 0.01 hrs / 3
Peak Elev= 111.16' @ 12.09 hrs
Flood Elev= 114.00'

Device	Routing	Invert	Outlet Devices
#1	Primary	110.90'	**12.0" Round 12" HDPE (P-16)** L= 49.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 110.90' / 110.00' S= 0.0184 '/' Cc= 0.900 n= 0.012 Corrugated PP, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=0.22 cfs @ 12.09 hrs HW=111.16' TW=110.26' (Dynamic Tailwater)
1=12" HDPE (P-16) (Inlet Controls 0.22 cfs @ 1.36 fps)

Pond YD-C#4: Cottage #4 Yard Drain



Summary for Pond YD-C#5: Cottage #5 Yard Drain

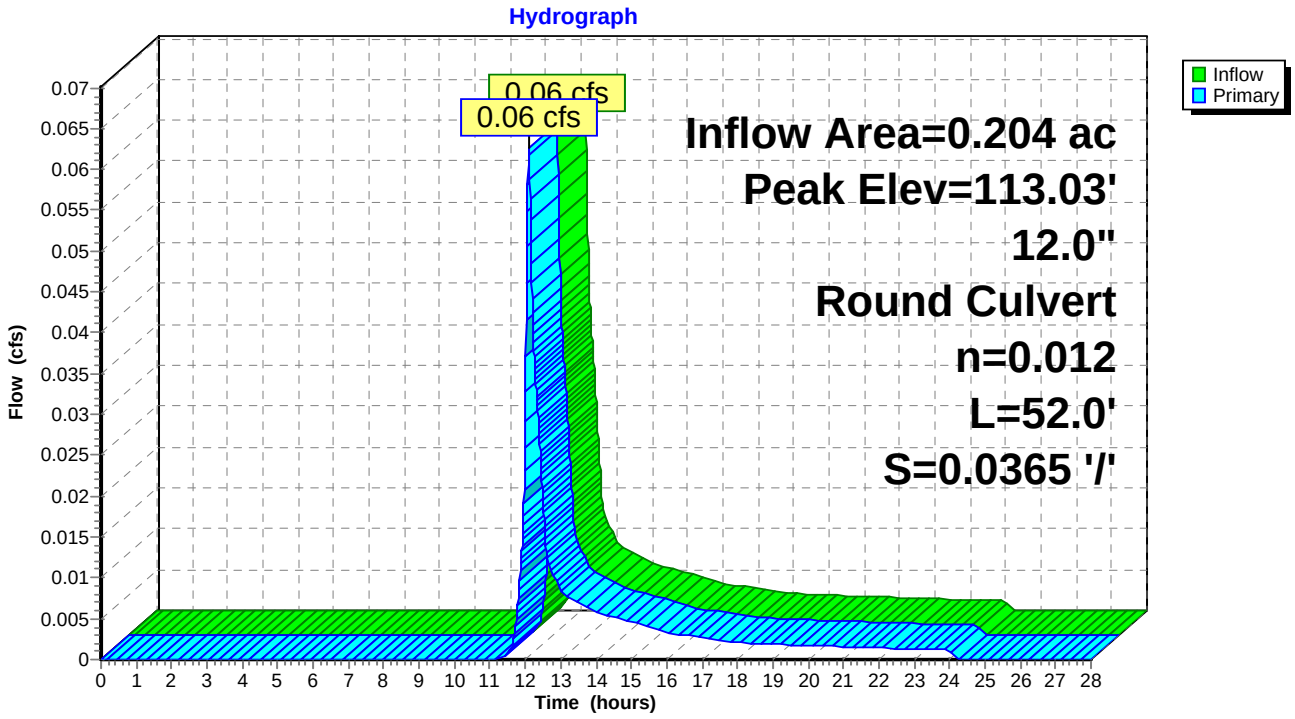
Inflow Area = 0.204 ac, 16.77% Impervious, Inflow Depth = 0.29" for 10-YR SEACOAST event
Inflow = 0.06 cfs @ 12.10 hrs, Volume= 0.005 af
Outflow = 0.06 cfs @ 12.10 hrs, Volume= 0.005 af, Atten= 0%, Lag= 0.0 min
Primary = 0.06 cfs @ 12.10 hrs, Volume= 0.005 af
Routed to Pond YD-C#4 : Cottage #4 Yard Drain

Routing by Dyn-Stor-Ind method, Time Span= 0.00-28.00 hrs, dt= 0.01 hrs / 3
Peak Elev= 113.03' @ 12.10 hrs
Flood Elev= 116.50'

Device	Routing	Invert	Outlet Devices
#1	Primary	112.90'	**12.0" Round 6" HDPE (P-15)** L= 52.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 112.90' / 111.00' S= 0.0365 '/' Cc= 0.900 n= 0.012 Corrugated PP, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=0.06 cfs @ 12.10 hrs HW=113.03' TW=111.16' (Dynamic Tailwater)
1=6" HDPE (P-15) (Inlet Controls 0.06 cfs @ 0.99 fps)

Pond YD-C#5: Cottage #5 Yard Drain



Summary for Pond YD-DB: Duplex Bldg "B" Yard Drain

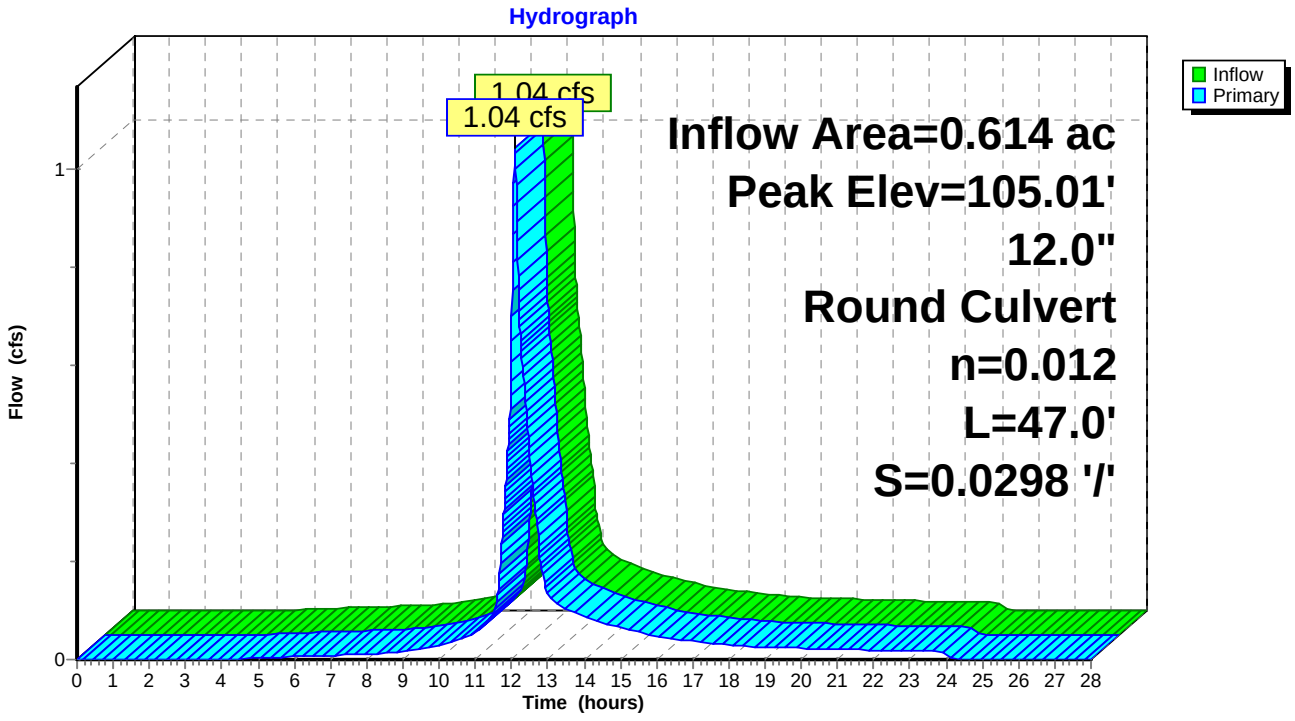
Inflow Area = 0.614 ac, 22.05% Impervious, Inflow Depth = 1.92" for 10-YR SEACOAST event
Inflow = 1.04 cfs @ 12.09 hrs, Volume= 0.098 af
Outflow = 1.04 cfs @ 12.09 hrs, Volume= 0.098 af, Atten= 0%, Lag= 0.0 min
Primary = 1.04 cfs @ 12.09 hrs, Volume= 0.098 af
Routed to Pond BIO-1 : BIO-1

Routing by Dyn-Stor-Ind method, Time Span= 0.00-28.00 hrs, dt= 0.01 hrs / 3
Peak Elev= 105.01' @ 12.09 hrs
Flood Elev= 107.50'

Device	Routing	Invert	Outlet Devices
#1	Primary	104.40'	**12.0" Round 12" HDPE (P-25)** L= 47.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 104.40' / 103.00' S= 0.0298 '/' Cc= 0.900 n= 0.012 Corrugated PP, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=1.04 cfs @ 12.09 hrs HW=105.01' TW=101.22' (Dynamic Tailwater)
1=12" HDPE (P-25) (Inlet Controls 1.04 cfs @ 2.09 fps)

Pond YD-DB: Duplex Bldg "B" Yard Drain

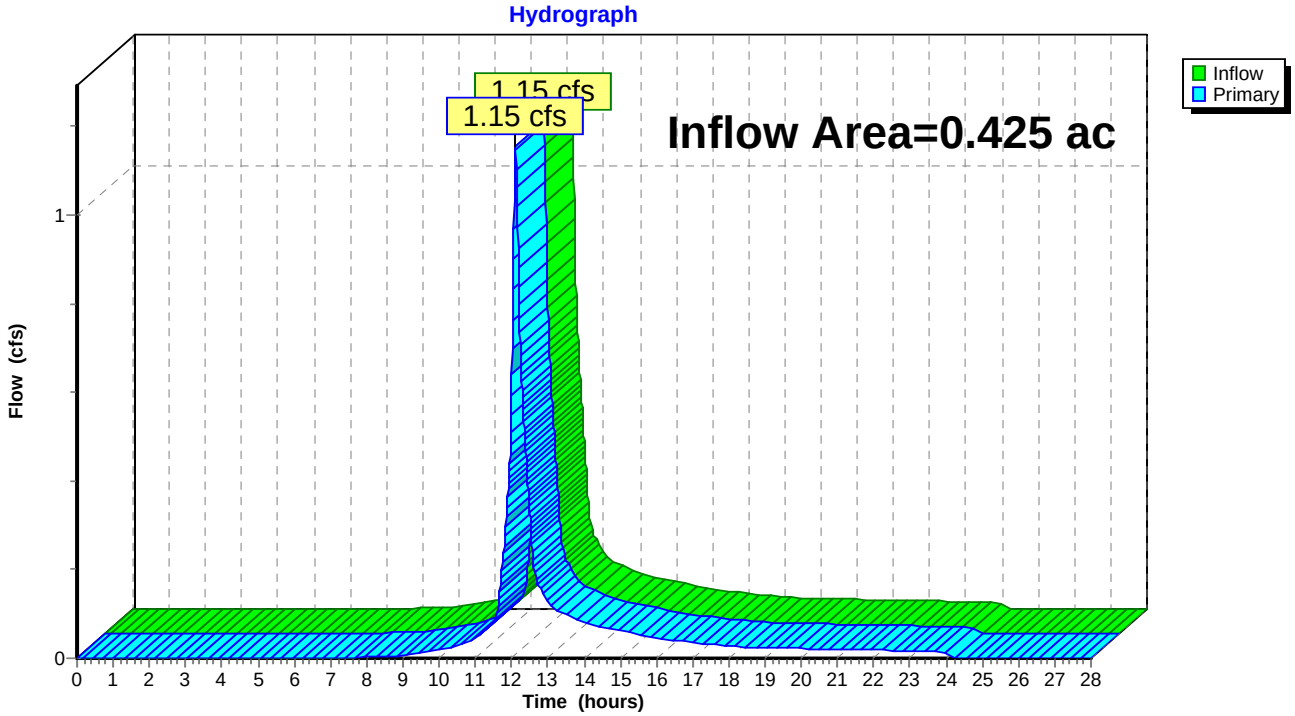


Summary for Link AP-1: Existing CB 5944

Inflow Area = 0.425 ac, 15.32% Impervious, Inflow Depth = 2.48" for 10-YR SEACOAST event
Inflow = 1.15 cfs @ 12.11 hrs, Volume= 0.088 af
Primary = 1.15 cfs @ 12.11 hrs, Volume= 0.088 af, Atten= 0%, Lag= 0.0 min
Routed to Link AP-T : AP-Total

Primary outflow = Inflow, Time Span= 0.00-28.00 hrs, dt= 0.01 hrs

Link AP-1: Existing CB 5944

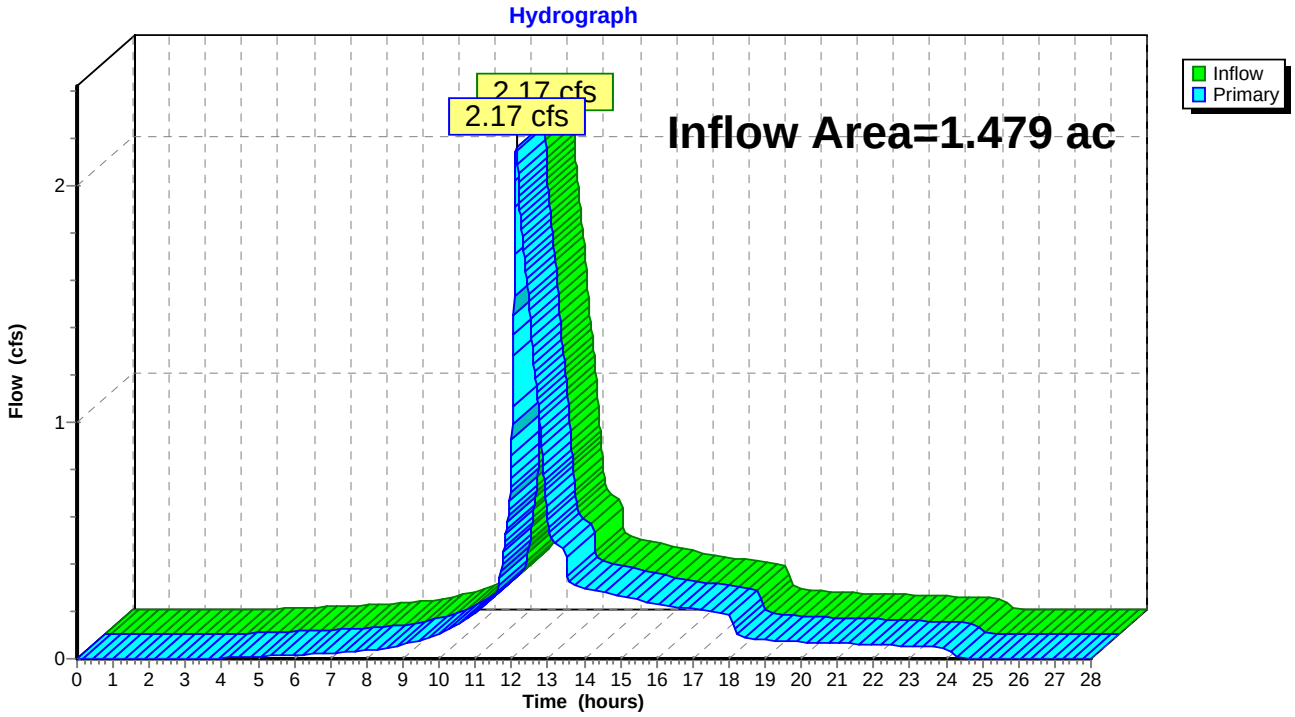


Summary for Link AP-T: AP-Total

Inflow Area = 1.479 ac, 31.97% Impervious, Inflow Depth = 2.57" for 10-YR SEACOAST event
Inflow = 2.17 cfs @ 12.13 hrs, Volume= 0.317 af
Primary = 2.17 cfs @ 12.13 hrs, Volume= 0.317 af, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 0.00-28.00 hrs, dt= 0.01 hrs

Link AP-T: AP-Total



STORMWATER ANALYSIS

and

Erosion & Sediment Control Plan

NARRATIVE

for

103 COURT STREET

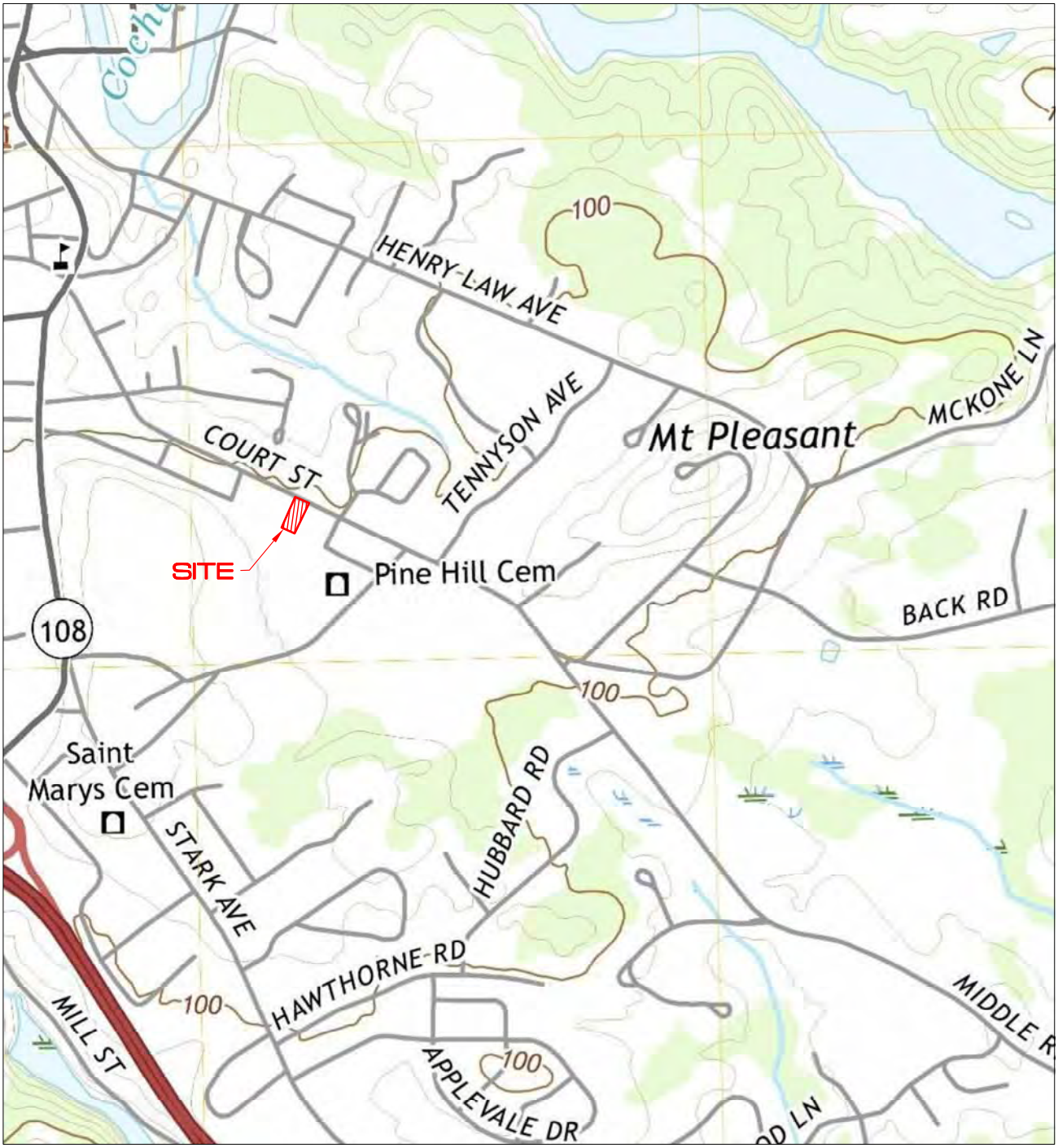
103 Court Street
Dover, New Hampshire
August 2024
October 2024

SECTION III

EXHIBITS

NOTE:

THIS PLAN SHOWS PORTIONS OF THE U.S.G.S.: DOVER QUADRANGLE, NEW HAMPSHIRE 7.5 MINUTE SERIES 2021 MAP. SITE LOCATION IS APPROXIMATE.



SHEET NO.

LOCUS-1

USGS PLAN

5 SHERMAN STREET, LLC

103 COURT STREET

TAX MAP 18, LOT 9

DOVER, NEW HAMPSHIRE

APRIL 15, 2024 JOB No. 24101

SCALE: 1" : 1,000'

TRITECH
ENGINEERING CORPORATION

755 CENTRAL AVENUE
DOVER, NEW HAMPSHIRE 03820

TELEPHONE 603 742 8107
FAX 603 742 3330

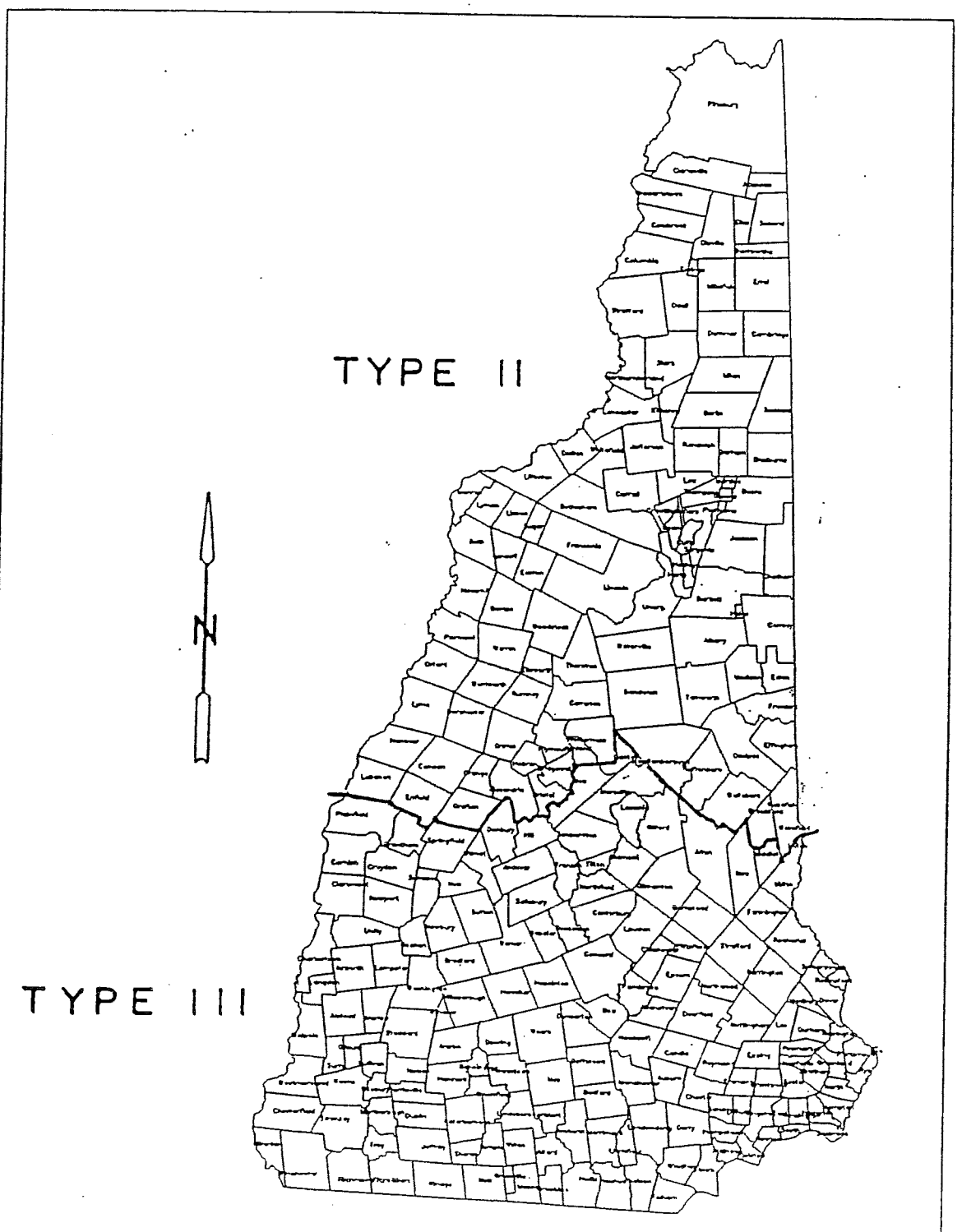


FIGURE 6-5 -- BOUNDARY FOR SCS RAINFALL DISTRIBUTION

Source: USDA Soil Conservation Service

Extreme Precipitation Tables

Northeast Regional Climate Center

Data represents point estimates calculated from partial duration series. All precipitation amounts are displayed in inches.

Metadata for Point

Smoothing	Yes
State	New Hampshire
Location	New Hampshire, United States
Latitude	43.187 degrees North
Longitude	70.868 degrees West
Elevation	30 feet
Date/Time	Thu Mar 07 2024 13:19:59 GMT-0500 (Eastern Standard Time)

Extreme Precipitation Estimates

	5min	10min	15min	30min	60min	120min		1hr	2hr	3hr	6hr	12hr	24hr	48hr		1day	2day	4day	7day	10day	
1yr	0.26	0.40	0.50	0.65	0.81	1.03	**1yr**	0.70	0.98	1.20	1.55	2.00	2.61	2.87	**1yr**	2.31	2.76	3.16	3.89	4.45	**1yr**
2yr	0.32	0.49	0.61	0.81	1.01	1.29	**2yr**	0.88	1.17	1.50	1.91	2.45	3.15	3.51	**2yr**	2.79	3.37	3.87	4.60	5.24	**2yr**
5yr	0.37	0.57	0.72	0.96	1.23	1.58	**5yr**	1.06	1.44	1.85	2.39	3.08	3.98	4.50	**5yr**	3.53	4.32	4.94	5.81	6.57	**5yr**
10yr	0.40	0.63	0.80	1.09	1.42	1.85	**10yr**	1.22	1.69	2.18	2.83	3.67	4.76	5.43	**10yr**	4.21	5.22	5.96	6.94	7.81	**10yr**
25yr	0.46	0.74	0.94	1.30	1.72	2.27	**25yr**	1.49	2.09	2.70	3.53	4.61	6.01	6.96	**25yr**	5.32	6.69	7.62	8.78	9.81	**25yr**
50yr	0.52	0.83	1.06	1.49	2.00	2.67	**50yr**	1.73	2.46	3.19	4.19	5.50	7.19	8.41	**50yr**	6.36	8.08	9.19	10.49	11.66	**50yr**
100yr	0.58	0.94	1.21	1.71	2.32	3.13	**100yr**	2.01	2.89	3.75	4.97	6.54	8.59	10.16	**100yr**	7.60	9.77	11.09	12.55	13.87	**100yr**
200yr	0.64	1.05	1.36	1.96	2.70	3.68	**200yr**	2.33	3.40	4.43	5.90	7.80	10.27	12.28	**200yr**	9.09	11.81	13.37	15.00	16.51	**200yr**
500yr	0.76	1.25	1.62	2.36	3.31	4.54	**500yr**	2.85	4.22	5.51	7.38	9.83	13.02	15.78	**500yr**	11.52	15.17	17.15	19.02	20.79	**500yr**

Lower Confidence Limits

	5min	10min	15min	30min	60min	120min		1hr	2hr	3hr	6hr	12hr	24hr	48hr		1day	2day	4day	7day	10day	
1yr	0.24	0.37	0.45	0.60	0.74	0.89	**1yr**	0.64	0.87	0.92	1.26	1.58	2.14	2.45	**1yr**	1.90	2.36	2.87	3.34	4.02	**1yr**
2yr	0.31	0.49	0.60	0.81	1.00	1.18	**2yr**	0.86	1.16	1.36	1.83	2.36	3.04	3.40	**2yr**	2.69	3.27	3.75	4.47	5.05	**2yr**
5yr	0.35	0.54	0.67	0.91	1.16	1.40	**5yr**	1.00	1.37	1.61	2.15	2.77	3.72	4.13	**5yr**	3.29	3.97	4.62	5.41	6.12	**5yr**
10yr	0.38	0.59	0.73	1.02	1.31	1.60	**10yr**	1.13	1.56	1.81	2.44	3.12	4.27	4.78	**10yr**	3.78	4.60	5.32	6.25	7.02	**10yr**
25yr	0.44	0.66	0.82	1.18	1.55	1.91	**25yr**	1.34	1.87	2.11	2.84	3.64	4.91	5.79	**25yr**	4.35	5.57	6.49	7.55	8.42	**25yr**
50yr	0.48	0.73	0.91	1.31	1.76	2.18	**50yr**	1.52	2.14	2.35	3.19	4.09	5.60	6.67	**50yr**	4.96	6.42	7.53	8.71	9.67	**50yr**
100yr	0.53	0.81	1.01	1.46	2.01	2.50	**100yr**	1.73	2.45	2.63	3.57	4.56	6.37	7.69	**100yr**	5.64	7.39	8.74	10.06	11.07	**100yr**
200yr	0.59	0.89	1.13	1.64	2.28	2.86	**200yr**	1.97	2.80	2.93	3.99	5.08	7.24	8.86	**200yr**	6.41	8.52	10.13	11.61	12.71	**200yr**
500yr	0.69	1.03	1.32	1.92	2.73	3.44	**500yr**	2.36	3.37	3.40	4.62	5.89	8.54	10.67	**500yr**	7.56	10.26	12.31	14.06	15.19	**500yr**

Upper Confidence Limits

	5min	10min	15min	30min	60min	120min		1hr	2hr	3hr	6hr	12hr	24hr	48hr		1day	2day	4day	7day	10day	
1yr	0.28	0.43	0.53	0.71	0.87	1.08	**1yr**	0.75	1.05	1.24	1.74	2.21	2.88	3.09	**1yr**	2.55	2.97	3.44	4.24	4.83	**1yr**
2yr	0.33	0.51	0.62	0.85	1.04	1.25	**2yr**	0.90	1.22	1.48	1.96	2.51	3.30	3.63	**2yr**	2.92	3.49	4.00	4.75	5.46	**2yr**
5yr	0.39	0.61	0.75	1.03	1.31	1.58	**5yr**	1.13	1.55	1.86	2.50	3.20	4.25	4.86	**5yr**	3.76	4.68	5.28	6.24	7.01	**5yr**
10yr	0.46	0.70	0.87	1.22	1.57	1.92	**10yr**	1.36	1.88	2.24	3.05	3.86	5.22	6.07	**10yr**	4.62	5.84	6.68	7.66	8.55	**10yr**
25yr	0.56	0.85	1.05	1.50	1.98	2.48	**25yr**	1.71	2.43	2.88	3.97	4.97	7.12	8.16	**25yr**	6.30	7.85	8.94	10.09	11.14	**25yr**
50yr	0.64	0.98	1.22	1.75	2.36	3.00	**50yr**	2.04	2.93	3.50	4.84	6.04	8.80	10.23	**50yr**	7.79	9.84	11.18	12.41	13.62	**50yr**
100yr	0.75	1.13	1.42	2.05	2.81	3.63	**100yr**	2.43	3.55	4.25	5.93	7.35	10.88	12.83	**100yr**	9.63	12.33	13.96	15.30	16.67	**100yr**
200yr	0.87	1.31	1.66	2.40	3.35	4.40	**200yr**	2.89	4.30	5.17	7.26	8.94	13.49	16.09	**200yr**	11.94	15.48	17.46	18.83	20.43	**200yr**
500yr	1.06	1.58	2.04	2.96	4.21	5.66	**500yr**	3.63	5.53	6.68	9.50	11.59	17.95	21.73	**500yr**	15.89	20.90	23.49	24.83	26.73	**500yr**

Powered by ACIS Northeast Regional Climate Center

NEW HAMPSHIRE DEPARTMENT OF Environmental Services

FILTRATION PRACTICE DESIGN CRITERIA (Env-Wq 1508.07)

Type/Node Name: **24101 - 103 COURT STREET, DOVER NEW HAMPSHIRE**

Enter the type of filtration practice (e.g., bioretention system) and the node name in the drainage analysis, if applicable.

X		Check if you reviewed the restrictions on unlined systems outlined in Env-Wq 1508.07(a).	
1.03	ac	A = Area draining to the practice	
0.38	ac	A_I = Impervious area draining to the practice	
0.37	decimal	I = Percent impervious area draining to the practice, in decimal form	
0.38	unitless	Rv = Runoff coefficient = 0.05 + (0.9 x I)	
0.40	ac-in	WQV= 1" x Rv x A	
1,436	cf	WQV conversion (ac-in x 43,560 sf/ac x 1ft/12")	
359	cf	25% x WQV (check calc for sediment forebay volume)	
1,077	cf	75% x WQV (check calc for surface sand filter volume)	
Hooded sump CB		Method of Pretreatment? (not required for clean or roof runoff)	
-	cf	V_{SED} = Sediment forebay volume, if used for pretreatment	**≥ 25%WQV**
Calculate time to drain if system IS NOT underdrained:			
	sf	A_{SA} = Surface area of the practice	
	iph	$Ksat_{DESIGN}$ = Design infiltration rate[1]	
		If Ksat (prior to factor of safety) is < 0.50 iph, has an underdrain been provided?	
	Yes/No	(Use the calculations below)	
-	hours	T_{DRAIN} = Drain time = V / (A_{SA} * I_{DESIGN})	**≤ 72-hrs**
Calculate time to drain if system IS underdrained:			
100.80	ft	E_{WQV} = Elevation of WQV (attach stage-storage table)	
0.38	cfs	Q_{WQV} = Discharge at the E_{WQV} (attach stage-discharge table)	
2.10	hours	T_{DRAIN} = Drain time = 2WQV/Q_{WQV}	**≤ 72-hrs**
98.50	feet	E_{FC} = Elevation of the bottom of the filter course material[2]	
96.50	feet	E_{UD} = Invert elevation of the underdrain (UD), if applicable	
102.00	feet	E_{SHWT} = Elevation of SHWT (if none found, enter the lowest elevation of the test pit)	
102.00	feet	E_{ROCK} = Elevation of bedrock (if none found, enter the lowest elevation of the test pit)	
2.00	feet	$D_{FC\ to\ UD}$ = Depth to UD from the bottom of the filter course	**≥ 1'**
(3.50)	feet	$D_{FC\ to\ ROCK}$ = Depth to bedrock from the bottom of the filter course	**≥ 1'**
(3.50)	feet	$D_{FC\ to\ SHWT}$ = Depth to SHWT from the bottom of the filter course	**≥ 1'**
103.58	ft	Peak elevation of the 50-year storm event (infiltration can be used in analysis)	
104.00	ft	Elevation of the top of the practice	
YES		50 peak elevation ≤ Elevation of the top of the practice	**← yes**
If a surface sand filter or underground sand filter is proposed:			
YES	ac	Drainage Area check.	**< 10 ac**
	cf	V = Volume of storage[3] (attach a stage-storage table)	**≥ 75%WQV**
	inches	D_{FC} = Filter course thickness	**18", or 24" if within GPA**
Sheet		Note what sheet in the plan set contains the filter course specification.	
	Yes/No	Access grate provided?	**← yes**

If a bioretention area is proposed:			
YES	ac	Drainage Area no larger than 5 ac?	**← yes**
1,441	cf	V = Volume of storage[3] (attach a stage-storage table)	**≥ WQV**
18.0	inches	D_{FC} = Filter course thickness	**18", or 24" if within GPA**
Sheet	SP-5	Note what sheet in the plan set contains the filter course specification	
2.0	:1	Pond side slopes	**≥ 3:1**
Sheet	SP-5	Note what sheet in the plan set contains the planting plans and surface cover	
If porous pavement is proposed:			
		Type of pavement proposed (Concrete? Asphalt? Pavers? Etc.)	
	acres	A_{SA} = Surface area of the pervious pavement	
	:1	Ratio of the contributing area to the pervious surface area	**≤ 5:1**
	inches	D_{FC} = Filter course thickness	**12", or 18" if within GPA mod. 304.1 (see spec)**
Sheet		Note what sheet in the plan set contains the filter course spec.	

1. Rate of the limiting layer (either the filter course or the underlying soil). $Ksat_{design}$ includes factor of safey. See Env-Wq 1504.14 for guidance on determining the infiltration rate.

2. See lines 34, 40 and 48 for required depths of filter media.

3. Volume without depending on infiltration. The volume includes the storage above the filter (but below the invert of the outlet stucture, if any), the filter media voids, and the pretreatment area. The storage above the filter media shall not include the volume above the outlet structure, if any.

Designer's Notes:

Summary for Pond BIO-1: BIO-1

Inflow Area = 1.029 ac, 37.16% Impervious, Inflow Depth = 4.50" for 50-YR SEACOAST event
Inflow = 4.53 cfs @ 12.10 hrs, Volume= 0.386 af
Outflow = 2.84 cfs @ 12.23 hrs, Volume= 0.386 af, Atten= 37%, Lag= 7.4 min
Primary = 2.84 cfs @ 12.23 hrs, Volume= 0.386 af
Routed to Pond DMH-103 : DMH-103

Routing by Dyn-Stor-Ind method, Time Span= 0.00-28.00 hrs, dt= 0.01 hrs / 3
Peak Elev= 103.58' @ 12.23 hrs Surf.Area= 1,274 sf Storage= 3,818 cf
Flood Elev= 104.00' Surf.Area= 1,400 sf Storage= 4,375 cf

Plug-Flow detention time= 39.9 min calculated for 0.386 af (100% of inflow)
Center-of-Mass det. time= 39.9 min (829.4 - 789.5)

Volume	Invert	Avail.Storage	Storage Description
#1	96.49'	4,375 cf	**Custom Stage Data (Conic)**Listed below (Recalc)

Elevation (feet)	Surf.Area (sq-ft)	Voids (%)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)	Wet.Area (sq-ft)
96.49	1,125	0.0	0	0	1,125
96.50	1,125	40.0	5	5	1,126
98.49	1,125	40.0	895	900	1,363
98.50	1,125	20.0	2	902	1,364
99.99	1,125	20.0	335	1,238	1,541
100.00	150	100.0	6	1,243	2,516
102.00	850	100.0	905	2,148	3,231
104.00	1,400	100.0	2,227	4,375	3,830

Device	Routing	Invert	Outlet Devices
#1	Device 3	96.49'	**6.000 in/hr Exfiltration to Underdrain over Wetted area** Phase-In= 0.10'
#2	Device 3	103.45'	**0.5" x 4.5" Horiz. OverFlow X 14.00 columns** X 4 rows C= 0.600 in 24.0" x 24.0" Grate (22% open area) Limited to weir flow at low heads
#3	Primary	96.35'	**12.0" Round 12" HDPE (P-7)** L= 24.0' CPP, end-section conforming to fill, Ke= 0.500 Inlet / Outlet Invert= 96.35' / 95.80' S= 0.0229 '/' Cc= 0.900 n= 0.012 Corrugated PP, smooth interior, Flow Area= 0.79 sf
#4	Device 3	100.80'	**5.0" Vert. Orifice in the Side OS #1** C= 0.600 Limited to weir flow at low heads

Primary OutFlow Max=2.83 cfs @ 12.23 hrs HW=103.58' TW=91.83' (Dynamic Tailwater)
└─**3=12" HDPE (P-7)** (Passes 2.83 cfs of 9.81 cfs potential flow)
  ├─**1=Exfiltration to Underdrain** (Exfiltration Controls 0.51 cfs)
  ├─**2=OverFlow** (Weir Controls 1.27 cfs @ 1.19 fps)
  └─**4=Orifice in the Side OS #1** (Orifice Controls 1.05 cfs @ 7.73 fps)

Stage-Discharge for Pond BIO-1: BIO-1 (continued)

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
100.73	0.38	101.26	0.73	101.79	1.02	102.32	1.21
100.74	0.38	101.27	0.74	101.80	1.02	102.33	1.22
100.75	0.38	101.28	0.75	101.81	1.02	102.34	1.22
100.76	0.38	101.29	0.75	101.82	1.03	102.35	1.22
100.77	0.38	101.30	0.76	101.83	1.03	102.36	1.23
100.78	0.38	101.31	0.77	101.84	1.04	102.37	1.23
100.79	0.38	101.32	0.77	101.85	1.04	102.38	1.23
100.80	0.38	101.33	0.78	101.86	1.05	102.39	1.24
100.81	0.38	101.34	0.79	101.87	1.05	102.40	1.24
100.82	0.38	101.35	0.79	101.88	1.05	102.41	1.24
100.83	0.38	101.36	0.80	101.89	1.06	102.42	1.24
100.84	0.39	101.37	0.80	101.90	1.06	102.43	1.25
100.85	0.39	101.38	0.81	101.91	1.07	102.44	1.25
100.86	0.39	101.39	0.82	101.92	1.07	102.45	1.25
100.87	0.40	101.40	0.82	101.93	1.07	102.46	1.26
100.88	0.40	101.41	0.83	101.94	1.08	102.47	1.26
100.89	0.41	101.42	0.83	101.95	1.08	102.48	1.26
100.90	0.41	101.43	0.84	101.96	1.09	102.49	1.27
100.91	0.42	101.44	0.84	101.97	1.09	102.50	1.27
100.92	0.42	101.45	0.85	101.98	1.09	102.51	1.27
100.93	0.43	101.46	0.86	101.99	1.10	102.52	1.28
100.94	0.44	101.47	0.86	102.00	1.10	102.53	1.28
100.95	0.44	101.48	0.87	102.01	1.11	102.54	1.28
100.96	0.45	101.49	0.87	102.02	1.11	102.55	1.28
100.97	0.46	101.50	0.88	102.03	1.11	102.56	1.29
100.98	0.47	101.51	0.88	102.04	1.12	102.57	1.29
100.99	0.48	101.52	0.89	102.05	1.12	102.58	1.29
101.00	0.49	101.53	0.89	102.06	1.12	102.59	1.30
101.01	0.50	101.54	0.90	102.07	1.13	102.60	1.30
101.02	0.51	101.55	0.90	102.08	1.13	102.61	1.30
101.03	0.52	101.56	0.91	102.09	1.13	102.62	1.31
101.04	0.53	101.57	0.91	102.10	1.14	102.63	1.31
101.05	0.54	101.58	0.92	102.11	1.14	102.64	1.31
101.06	0.55	101.59	0.92	102.12	1.15	102.65	1.31
101.07	0.56	101.60	0.93	102.13	1.15	102.66	1.32
101.08	0.57	101.61	0.93	102.14	1.15	102.67	1.32
101.09	0.58	101.62	0.94	102.15	1.16	102.68	1.32
101.10	0.59	101.63	0.94	102.16	1.16	102.69	1.33
101.11	0.60	101.64	0.95	102.17	1.16	102.70	1.33
101.12	0.61	101.65	0.95	102.18	1.17	102.71	1.33
101.13	0.62	101.66	0.96	102.19	1.17	102.72	1.34
101.14	0.63	101.67	0.96	102.20	1.17	102.73	1.34
101.15	0.64	101.68	0.97	102.21	1.18	102.74	1.34
101.16	0.65	101.69	0.97	102.22	1.18	102.75	1.34
101.17	0.66	101.70	0.97	102.23	1.18	102.76	1.35
101.18	0.67	101.71	0.98	102.24	1.19	102.77	1.35
101.19	0.68	101.72	0.98	102.25	1.19	102.78	1.35
101.20	0.69	101.73	0.99	102.26	1.19	102.79	1.36
101.21	0.70	101.74	0.99	102.27	1.20	102.80	1.36
101.22	0.70	101.75	1.00	102.28	1.20	102.81	1.36
101.23	0.71	101.76	1.00	102.29	1.20	102.82	1.36
101.24	0.72	101.77	1.01	102.30	1.21	102.83	1.37
101.25	0.72	101.78	1.01	102.31	1.21	102.84	1.37

Stage-Area-Storage for Pond BIO-1: BIO-1 (continued)

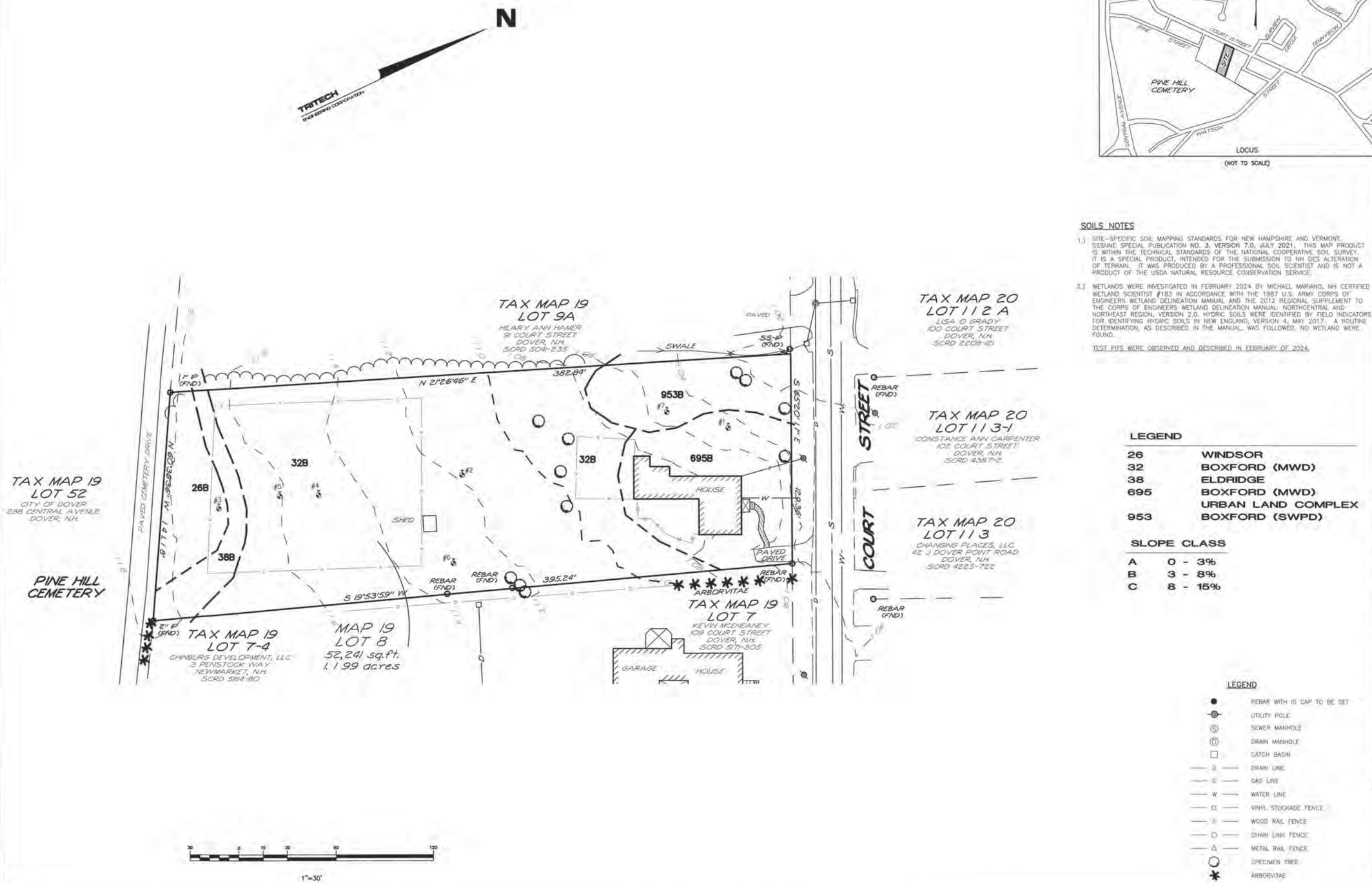
Elevation (feet)	Surface (sq-ft)	Wetted (sq-ft)	Storage (cubic-feet)
100.73	339	2,710	1,417
100.75	346	2,716	1,424
100.77	352	2,722	1,431
100.79	358	2,729	1,438
100.81	365	2,735	1,445
100.83	371	2,742	1,453
100.85	378	2,749	1,460
100.87	384	2,755	1,468
100.89	391	2,762	1,475
100.91	398	2,769	1,483
100.93	404	2,776	1,491
100.95	411	2,783	1,499
100.97	418	2,790	1,508
100.99	425	2,797	1,516
101.01	432	2,804	1,525
101.03	439	2,812	1,533
101.05	446	2,819	1,542
101.07	453	2,826	1,551
101.09	461	2,834	1,560
101.11	468	2,841	1,570
101.13	475	2,848	1,579
101.15	483	2,856	1,589
101.17	490	2,864	1,599
101.19	498	2,871	1,608
101.21	505	2,879	1,618
101.23	513	2,887	1,629
101.25	521	2,895	1,639
101.27	528	2,903	1,649
101.29	536	2,911	1,660
101.31	544	2,919	1,671
101.33	552	2,927	1,682
101.35	560	2,935	1,693
101.37	568	2,943	1,704
101.39	576	2,951	1,716
101.41	584	2,960	1,727
101.43	592	2,968	1,739
101.45	601	2,976	1,751
101.47	609	2,985	1,763
101.49	617	2,994	1,775
101.51	626	3,002	1,788
101.53	634	3,011	1,800
101.55	643	3,020	1,813
101.57	651	3,028	1,826
101.59	660	3,037	1,839
101.61	669	3,046	1,852
101.63	677	3,055	1,866
101.65	686	3,064	1,880
101.67	695	3,073	1,893
101.69	704	3,082	1,907
101.71	713	3,091	1,921
101.73	722	3,101	1,936
101.75	731	3,110	1,950
101.77	740	3,119	1,965

GROUNDWATER RECHARGE VOLULME (GRV) CALCULATION (Env-Wq 1507.04)

-	ac	Area of HSG A soil that was replaced by impervious cover	0.40"
-	ac	Area of HSG B soil that was replaced by impervious cover	0.25"
0.29	ac	Area of HSG C soil that was replaced by impervious cover	0.10"
0.08	ac	Area of HSG D soil or impervious cover that was replaced by impervious cover	0.0"
0.08	inches	Rd = Weighted groundwater recharge depth	
0.0291	ac-in	GRV = AI * Rd	
106	cf	GRV conversion (ac-in x 43,560 sf/ac x 1ft/12”)	

Provide calculations below showing that the project meets the groundwater recharge requirements (Env-Wq 1507.04):

Infiltration from Stormtech = 145 Cubic Feet



TRITECH
ENGINEERING CORPORATION
755 CENTRAL AVENUE
DOVER, NEW HAMPSHIRE 03820
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REVISIONS
DATE: DESCRIPTION:

SOILS NOTES

1.) SITE-SPECIFIC SOIL MAPPING STANDARDS FOR NEW HAMPSHIRE AND VERMONT, SSSNNE SPECIAL PUBLICATION NO. 3, VERSION 7.0, JULY 2021. THIS MAP PRODUCT IS WITHIN THE TECHNICAL STANDARDS OF THE NATIONAL COOPERATIVE SOIL SURVEY. IT IS A SPECIAL PRODUCT, INTENDED FOR THE SUBMISSION TO NH DES ALTERATION OF TERRAIN. IT WAS PRODUCED BY A PROFESSIONAL SOIL SCIENTIST AND IS NOT A PRODUCT OF THE USDA NATURAL RESOURCE CONSERVATION SERVICE.

2.) WETLANDS WERE INVESTIGATED IN FEBRUARY 2024 BY MICHAEL MARIANO, NH CERTIFIED WETLAND SCIENTIST #183 IN ACCORDANCE WITH THE 1987 U.S. ARMY CORPS OF ENGINEERS WETLAND DELINEATION MANUAL AND THE 2012 REGIONAL SUPPLEMENT TO THE CORPS OF ENGINEERS WETLAND DELINEATION MANUAL: NORTHCENTRAL AND NORTHEAST REGION, VERSION 2.0. HYDRIC SOILS WERE IDENTIFIED BY FIELD INDICATORS FOR IDENTIFYING HYDRIC SOILS IN NEW ENGLAND, VERSION 4, MAY 2017. A ROUTINE DETERMINATION, AS DESCRIBED IN THE MANUAL, WAS FOLLOWED. NO WETLAND WERE FOUND.

TEST PITS WERE OBSERVED AND DESCRIBED IN FEBRUARY OF 2024.

LEGEND

26	WINDSOR
32	BOXFORD (MWD)
38	ELDRIDGE
695	BOXFORD (MWD)
	URBAN LAND COMPLEX
953	BOXFORD (SWPD)

SLOPE CLASS

A	0 - 3%
B	3 - 8%
C	8 - 15%

LEGEND

- REBAR WITH ID CAP TO BE SET
- UTILITY POLE
- SEWER MANHOLE
- DRAIN MANHOLE
- CATCH BASIN
- D — DRAIN LINE
- G — GAS LINE
- W — WATER LINE
- VINYL STOCKADE FENCE
- WOOD RAIL FENCE
- CHAIN LINK FENCE
- METAL RAIL FENCE
- SPECIMEN TREE
- ARBORVITAE

STATE OF NEW HAMPSHIRE · SOIL SCIENTIST · MICHAEL MARIANO No. 76 · CERTIFIED

SITE SPECIFIC SOILS PLAN

103 COURT STREET

103 COURT STREET
DOVER, NEW HAMPSHIRE
STRAFFORD COUNTY
AUGUST 15, 2024
JOB No. 24101
SCALE: 1" = 30'

SHEET No.

SSS-1

(P24-)

SOIL REPORT

March 19, 2024

Court St
Dover NH
Map 19 Lot 8

Location: 103 Court Street; 1.2 acre lot with southerly property line abutting Pine Hill Cemetery.

Landscape: Very gentle uniform slope from Pine Hill Cemetery to Court Street

Wetlands: There are no wetlands on the property. The area was observed in March 2024 by Michael Mariano, NH Certified Wetland Scientist #183.

Soils: Soils consist almost entirely of moderately well drained silty marine deposits. There is a small area of similar soils that are somewhat poorly drained in the NW corner and some well drained to somewhat excessively drained sandy outwash at the southerly property line. The house sets on a small leveled area of urban land.

Purpose: The site specific soil map was prepared for a proposed residential complex with city water and sewer.

Methodology: The soil map was prepared in accordance with the Site-Specific Soil Mapping Standards For New Hampshire and Vermont, July 2021 by the Society of Soil Scientists of Northern New England and standards established by the National Cooperative Soil Survey. The soil survey was prepared by Michael Mariano, NH Certified Soil Scientist #076.

A plan provided by Tritech Engineering, Dover NH at 1" = 30' with 2' contours was used as a base map. Existing monumentation, survey transects, and topographic features were used as control. Pits were dug by an excavator to classify soils at the series level. Pits were located Highland Soil Services.

Soil boundaries were observed throughout their length and their placement corresponds to changes in soil properties, land forms, and landscape positions. The identification of soils is based on the New Hampshire State-Wide Numerical Soils Legend.

Map Unit Purity:

Consociations: Map units will contain 75 percent or more of pedons that fit within the range of the taxon that provides the name for the map unit or are in a similar taxon. No one similar soil is greater than the named reference taxa. The total amount of dissimilar inclusions will not exceed 25 percent. No single dissimilar soil will make up more than 10 percent of the map unit. Limiting inclusions do not exceed 15 percent of the map unit. More intensive separation of dissimilar inclusions within a map unit can be made at the discretion of the Soil Scientist.

Complexes: Map units consist of areas of two or more kinds of soils that are in a regularly repeating pattern, so intricate that the two components cannot be delineated separately at the scale of mapping. The major components that provide the name for the map unit are sufficiently different in morphology or behavior that the unit cannot be named as a consociation. No single dissimilar soil will make up more than 10 percent of the map unit. Limiting inclusions do not exceed 15 percent of the map unit.

Drainage Classes: Soil series names added for soils on this property.

***Very Poorly Drained*:** There are no very poorly drained soils mapped on this property.

Poorly Drained: There are no poorly drained soils mapped on this property.

Somewhat Poorly Drained: 953 Boxford, SPD. Water is removed slowly so that the soil is wet at a shallow depth for significant periods during the growing season. The occurrence of internal free water commonly is shallow to moderately deep and transitory to permanent. Wetness markedly restricts the growth of mesophytic crops unless artificial drainage is provided. The soils commonly have one or more of the following characteristics: low or very low saturated hydrologic conductivity, a high-water table or additional water from seepage.

Interpretive limits: Soils that have common distinct or prominent redoximorphic features, which are not relict features, at a depth less than 15 inches below the soil surface

Moderately Well Drained: 32 Boxford, 38 Eldridge, 695 Boxford-Urban Land Complex. Water is removed from the soil somewhat slowly during some periods of the year. Internal free water occurrence commonly is moderately deep and transitory through permanent. The soils are wet for only a short time within the rooting depth during the growing season, but long enough that most mesophytes are affected. They commonly have a moderately low or lower saturated hydrologic conductivity in a layer within the upper 1 meter, periodically receive high rainfall, or both.

Interpretive limits: Soils that have distinct or prominent redoximorphic features, that are not relict features, between a depth of 15 inches and 40 inches below the soil surface.

Well Drained: 26 Windsor. Water is removed from the soil readily but not rapidly. Internal free water occurrence commonly is deep or very deep; annual duration is not specified. Water is available to plants throughout most of the growing season. Wetness does not inhibit growth of roots for significant periods during most growing seasons. The soils are mainly deep to redoximorphic features that are related to wetness.

Interpretive limits: Soils that have textures in any horizon within the particle size control section of loamy very fine sand or finer, and have moderate permeability. Few, fine, distinct redox concentrations confined to ped faces, in a 2-inch zone immediately above the contact with firm or very firm dense basal till, (if occurring within 40 inches) is allowed within the interpretive limits of well drained.

***Excessively Drained*:** There are no excessively drained soils on the property

Soil Map Legend

26	Windsor
32	Boxford, moderately well drained
38	Eldridge
695	Boxford (MWD) – Urban Land Complex
953	Boxford, somewhat poorly drained

Slope Classes

A	0-3%
B	3-8%
C	8-15%

This map product is within the technical standards of the National Cooperative Soil Survey and produced in accordance with the Society of Soil Scientists of Northern New England Publication Site-Specific Soil Mapping Standards For New Hampshire and Vermont, July 2021 It was produced by a professional soil scientist, and is not a product of the USDA Natural Resources Conservation Service. There is a map that accompanies this report.



Boxford

NH Site Specific mapping symbol: 32, moderately well drained
953, somewhat poorly drained
695, in complex with Urban Land

Setting

Parent Material:	Silty marine sediments
Landform:	Convex plains, broad drainageways
Position on Landscape:	Uplands at lower elevations or in drainageways
Slope Range:	3 to 8 percent

Composition and Soil Characteristics

Drainage Class:	Moderately well drained; seasonal high water table at 15 to 40 inches. OR..somewhat poorly drained with seasonal high water table at 7-15”
Hydrologic Group:	C/D
Surface Runoff	Rapid
Permeability	Slow. Very slow in subsoil
Depth to Bedrock	> 40 inches
Hydric conditions	Possible in somewhat poorly drained areas

Inclusions within Mapping Unit

Similar:	Scitico silt loam – poorly drained
Contrasting:	Eldridge – sandy surface over silty subsoil

Use and Management

With improvements and engineering practices, this soil is fairly well suited to development. Slow permeability and a seasonal high water table are the limiting factors. Position on the landscape allows engineering practices to overcome the limitations. Subsurface wastewater disposal is permitted. See test pit 2 (MWD) and test pit 7 (SPD)for a typical descriptions.
Note: Urban land is land that has been altered by human activity (levelling, filling, etc)

Eldridge

NH Numerical Soil Legend: 38

Setting

Parent Material:	Glacial outwash over silty marine sediments
Landform:	Outwash plains
Position on Landscape:	Lower sideslopes
Slope Range:	3-8 percent

Composition and Soil Characteristics

Drainage Class:	Moderately well drained; seasonal high water table at 15 to 40 inches
Hydrologic Group:	C/D
Surface Runoff	Moderate
Permeability	Moderate – slow in silty subsoil
Depth to Bedrock	> 40 inches
Hydric conditions	No

Inclusions Within Mapping Unit

Similar:	Deep phase with silty subsoil at >40” Somewhat poorly drained Eldridge Variant
Contrasting:	Deerfield– sandy throughout

Use and Management

This soil is well suited to development. A seasonal high water table with clayey subsoil is the limiting factors.

Windsor

NH Numerical Soil Legend: 26

Setting

Parent Material:	Glacial outwash
Landform:	Outwash plains
Position on Landscape:	Highest elevations
Slope Range:	3 to 8 percent

Composition and Soil Characteristics

Drainage Class:	Somewhat excessively drained; seasonal high water table at >40 inches
Hydrologic Group:	A
Surface Runoff	Moderate
Permeability	Rapid
Depth to Bedrock	> 40 inches
Hydric conditions	No

Inclusions Within Mapping Unit

Similar:	Deerfield – moderately well drained
Contrasting:	Eldridge – clayey subsoil

Use and Management

This soil is well suited to development. Droughtiness is the limiting factor. See Test Pit 3 for a typical description.

Test Pit Descriptions

103 Court St
Dover NH
Map 18 Lot 8
Described: 03-13-2024

Test Pit 1

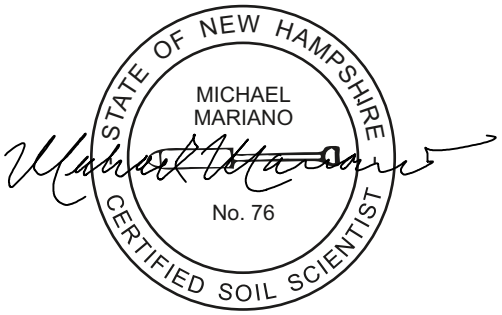
00 - 07”	Dark brown (10YR4/3) fine sandy loam fill; weak fine granular structure: moist, friable
07 - 15”	Yellowish brown (10YR5/6) fine sandy loam fill; weak fine granular structure; moist, friable.
15 - 21”	Dark brown (10YR3/4) fine sandy loam; weak fine granular structure; moist, friable Original A horizon, buried
21 - 25”	Yellowish brown (10YR5/6) silt loam; massive structure; moist, friable.
25 – 28”	Yellowish brown (10YR5/6) silt loam; few redox depletions and concentrations; massive structure; moist, friable.
28 - 37”	Olive gray (2.5Y5/2) silty clay loam; many redox concentrations in 7.5YR 5/6 and 4/6; strong medium blocky structure; moist, firm.
37 – 60”	Olive gray (2.5Y5/2) silty clay; many redox concentrations in 7.5YR 5/6 and 4/6; strong medium blocky structure; moist, very firm.

Series: Boxford
Estimated seasonal high water table: 25”
Observed water: 25”
Restrictive layer: 28”
Soil Hydrologic Group C

Test Pit 2

00 - 10”	Dark brown (10YR4/3) fine sandy loam; weak fine granular structure: moist, friable
10 - 19”	Light olive brown (2.5Y5/4) very fine sandy loam; weak fine granular structure; moist, friable.
19 - 27”	Light olive brown (2.5Y5/4) silt loam; few redox concentrations and depletions; massive structure; moist, friable.
27 - 60”	Olive gray (2.5Y5/2) silty clay; common redox concentrations in 7.5YR and 10YR; few depletions in 10YR6/1; strong medium blocky structure; moist, very firm.

Series: Boxford
Estimated seasonal high water table: 19”
Observed water: 23”
Restrictive layer: 27”
Soil Hydrologic Group C



Test Pit Descriptions

103 Court St
Dover NH
Map 18 Lot 8
Described: 03-13-2024

Test Pit 3

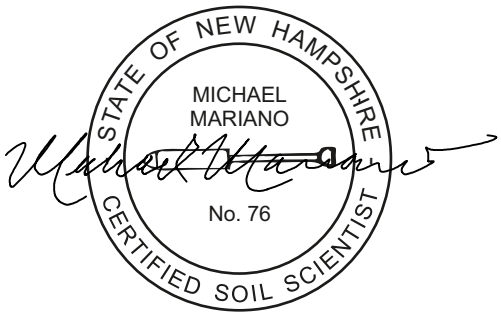
00 - 06”	Dark brown (10YR4/3) loamy sand; weak fine granular structure: moist, friable
06 - 14”	Strong brown (7.5YR5/8) loamy fine sand; weak fine granular structure; moist, friable.
14 - 46”	Yellowish brown (10YR5/6) loamy sand; massive structure; moist, friable.
46 - 52”	Yellowish brown (10YR5/6) loamy fine sand; common redox concentrations in 7.5YR5/8; massive structure; moist, friable.
52” – 66”	Olive gray (2.5Y5/2) loamy fine sand; common redox concentrations in 7.5YR5/8; massive structure; moist, friable.

Series: Windsor
Estimated seasonal 46”
Observed water: none
Restrictive layer: none
Soil Hydrologic Group A

Test Pit 4

00 - 10”	Dark brown (10YR4/3) fine sandy loam; weak fine granular structure: moist, friable
10 - 20”	Light olive brown (2.5Y5/4) silt loam; massive structure; moist, friable.
20 - 34”	Light olive brown (2.5Y5/4) silt loam; few redox concentrations and depletions; massive structure; moist, friable.
34 - 60”	Olive gray (2.5Y5/2) silty clay; common redox concentrations in 7.5YR and 10YR; few depletions in 10YR6/1; strong medium blocky structure; moist, very firm.

Series: Boxford
Estimated seasonal high water table: 20”
Observed water: 24”
Restrictive layer: 34”
Soil Hydrologic Group C



Test Pit Descriptions

103 Court St
Dover NH
Map 18 Lot 8
Described: 03-13-2024

Test Pit 5

00 - 08”	Dark brown (10YR4/3) fine sandy loam; weak fine granular structure: moist, friable
08 - 18”	Light olive brown (2.5Y5/4) very fine sandy loam; weak fine granular structure; moist, friable.
18 - 25”	Light olive brown (2.5Y5/4) silt loam; few redox concentrations and depletions; massive structure; moist, friable.
25 - 60”	Olive gray (2.5Y5/2) silty clay; common redox concentrations in 7.5YR and 10YR; few depletions in 10YR6/1; strong medium blocky structure; moist, very firm.

Series: Boxford
Estimated seasonal high water table: 18”
Observed water: 24”
Restrictive layer: 25”
Soil Hydrologic Group C

Test Pit 6

00 - 20”	Dark brown (10YR4/3) fine sandy loam; weak fine granular structure: moist, friable
20 - 22”	Light olive brown (2.5Y5/4) very fine sandy loam; weak fine granular structure; moist, friable.
22 - 26”	Light olive brown (2.5Y5/4) silt loam; few redox concentrations and depletions; massive structure; moist, friable.
26 - 60”	Olive gray (2.5Y5/2) silty clay; common redox concentrations in 7.5YR and 10YR; few depletions in 10YR6/1; strong medium blocky structure; moist, very firm.

Series: Boxford
Estimated seasonal high water table: 22”
Observed water: 25”
Restrictive layer: 26”
Soil Hydrologic Group C



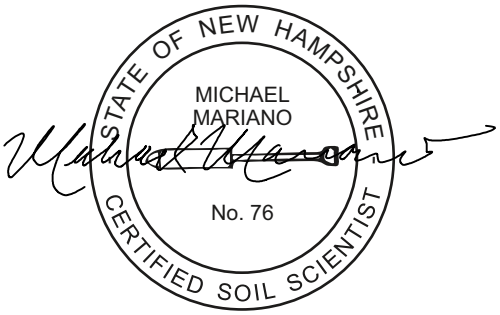
Test Pit Descriptions

103 Court St
Dover NH
Map 18 Lot 8
Described: 03-13-2024

Test Pit 7

00 - 08”	Dark brown (10YR4/3) fine sandy loam; weak fine granular structure: moist, friable
08 - 19”	Light olive brown (2.5Y5/4) silt loam; many redox depletions in 10YR6/1 and common redox concentrations in 7.5YR5/8; massive structure; moist, friable.
19 - 54”	Olive gray (2.5Y5/2) silty clay; common redox concentrations in 7.5YR and 10YR; few depletions in 10YR6/1; strong medium blocky structure; moist, very firm

Series: Boxford, somewhat poorly drained
Estimated seasonal high water table: 08”
Observed water: 08”
Restrictive layer: 19”
Soil Hydrologic Group D



TRITECH
ENGINEERING CORPORATION

755 Central Avenue
Dover, New Hampshire 03820

Telephone 603.742.8107
Facsimile 603.742.3830

October 4, 2024

Mr. Kenneth Mavrogeorge, City Engineer
City of Dover
271 Mast Road
Dover, New Hampshire 03820

Subject: **Field Infiltration Testing & Results**
103 Court Street
103 Court Street
Dover, New Hampshire
Job No. 24101

Dear Ken,

This infiltration test is being performed in conjunction with the development of 103 Court Steet. This on-site testing was completed to determine the rate of infiltration to be used in the stormwater system design.

Tritech performed this testing using a Geulph Permeameter in accordance with NHDES Analysis Method. In addition to the summary below, we have provided the raw data and the spreadsheet used in analysis of the raw data and determine the K_{sat} value to be used in the HydroCAD Stormwater Model.

We performed this testing at two locations on the property. One being located within proposed Stormtech #2 infiltration system (test pit #3) to determine the K_{sat} value to be used in the HydroCAD stormwater model. The second test was performed at test pit #2, which is generally located in the middle of the project and within the Boxford type soil. This test was to provide data confirming the Boxford soil was not part of lot development.

Both tests were completed using the same methodology. The borehole was prepared into the receiving soil & above the water table using a 6 cm Dutch Sand Auger. The bore hole was then sized and squared using a 6 cm Bayonet Auger, then the bore hole was brushed with a 6 cm prep brush to remove any smearing from the sides of the hole that may have been left by the Bayonet Auger.

Attached please find the raw data summaries for each of the tests performed. The raw data was entered into the spreadsheet supplied by Soilmoisture Equipment Corp., the permeameter supplier.

Test Pit #2 Results:
K_{sat} 0.017 in./min. or 1.02 in./hour

Test Pit #3 at Stormtech #2 Results:
K_{sat} 0.300 in./min. or 18.0 in./hour

Field Infiltration Testing Results			
Location	Material	Depth (in.)	K_{sat} Rate (in./hr)
Test Pit #2	Very fine sandy loam, weak fine granular structure, moist, friable	17"	1.02
Test Pit #3 at Stormtech #2	Loamy sand, massive structure, moist friable	23"	18.00

The results above are the direct value from the field testing and no safety factor has been applied.

Pease advise should you have any questions.

Very truly yours,
TRITECH ENGINEERING CORP.

Robert J. Stowell, P.E., L.L.S.
President

RJS / cmp
Enclosures
//24101infiltration.docx

Infiltration Testing
Site Plan Application

103 COURT STREET

103 Court Street
Tax Map 18, Lot 8
Dover, New Hampshire
Job No.: 24101

Project Name:	103 Court Steet	Test Performed By: Andrew J. Stowell	
Project Location:	103 Court Steet, Dover	Test Date: August 7, 2024	
Test Location:	At Test Pit #2	Test Weather: 70 Degrees	
Reservoir Constants			
Combined Reservoirs (x)	35.22 cm²	Well Depth = 15 cm	Depth of Well from Existing Grade: 17"
Inner Reservoir (y) =	2.15 cm²	Well Radius = 3 cm	Soil Type: Boxford

Test #1

Water Level in Well = 15 cm

Time (Min)	Time Interval Δ*t* (min)	Water Level In Resevoir *h* (cm)	Water Level Change Δh (cm)	Rate of Water Change R1 (cm/min)
0	0	38.5	-	-
2	2.0	42.0	3.5	1.75
4	2.0	45.7	3.7	1.85
6	2.0	49.0	3.3	1.65
8	2.0	52.4	3.4	1.70
10	2.0	55.7	3.3	1.65
12	2.0	59.0	3.3	1.65
14	2.0	62.3	3.3	1.65
16	2.0	65.5	3.2	1.60
18	2.0	68.6	3.1	1.55
20	2.0	71.9	3.3	1.65

Steady State Rate; Average 1.65 cm/min

Infiltration Testing
Site Plan Application

103 COURT STREET

103 Court Street
Tax Map 18, Lot 8
Dover, New Hampshire
Job No.: 24101

Project Name:	103 Court Steet	Test Performed By: Andrew J. Stowell	
Project Location:	103 Court Steet, Dover	Test Date: August 7, 2024	
Test Location:	At Test Pit #3	Test Weather: 70 Degrees	
Reservoir Constants			
Combined Reservoirs (x)	35.22 cm²	Well Depth = 15 cm	Depth of Well from Existing Grade: 23"
Inner Reservoir (y) =	2.15 cm²	Well Radius = 3 cm	Soil Type: Windsor

Test #2

Water Level in Well = 5 cm

Time (Min)	Time Interval Δ*t* (min)	Water Level In Resevoir *h* (cm)	Water Level Change Δh (cm)	Rate of Water Change R1 (cm/min)
0	0	5.5	-	-
1	1.0	13.5	8.0	-
2	1.0	21.0	7.5	7.50
3	1.0	28.4	7.5	7.50
4	1.0	36.0	7.4	7.40
5	1.0	43.0	7.6	7.60
6	1.0	50.3	7.0	7.00
7	1.0	57.5	7.3	7.30
8	1.0	64.7	7.2	7.20
9	1.0	72.0	7.2	7.20

Steady State Rate; Average 7.2 cm/min

Guelph Permeameter Calculations

Input

Result

Support: ali@soilmoisture.com

103 COURT STEET - Infiltration Test at Test Pit #2

Reservoir Type (enter "1" for Combined and "2" for Inner reservoir):	1
Enter water Head Height ("H" in cm):	15
Enter the Borehole Radius ("a" in cm):	3
Enter the soil texture-structure category (enter one of the below numbers):	3

1. Compacted, Structure-less, clayey or silty materials such as landfill caps and liners, lacustrine or marine sediments, etc.
2. Soils which are both fine textured (clayey or silty) and unstructured; may also include some fine sands.
3. Most structured soils from clays through loams; also includes unstructured medium and fine sands. The category most frequently applicable for agricultural soils.
4. Coarse and gravely sands; may also include some highly structured soils with large and/or numerous cracks, macropors, etc

Steady State Rate of Water Level Change ("R" in cm/min):	1.6500

Res Type	35.22
H	15
a	3
H/a	5
a*	0.12
C0.01	1.518
C0.04	1.629
C0.12	1.667
C0.36	1.667
C	1.667
R	1.650
Q	0.969
pi	3.142

$\alpha^* =$ 0.12 (cm^{-1})

$C =$ 1.666893

$Q =$ 0.96855

$K_{fs} =$ 7.19E-04 *cm/sec*

4.31E-02 *cm/min*

7.19E-06 *m/sec*

1.70E-02 *inch/min*

2.83E-04 *inch/sec*

$\Phi_m =$ 5.99E-03 (cm^2/min)

Calculation formulas related to shape factor (C). Where H_1 is the first water head height (cm), H_2 is the second water head height (cm), a is borehole radius (cm) and α^* is microscopic capillary length factor which is decided according to the soil texture-structure category. For one-head method, only C_1 needs to be calculated while for two-head method, C_1 and C_2 are calculated (Zang et al., 1998).

Soil Texture-Structure Category	$\alpha^*(cm^{-1})$	Shape Factor
Compacted, Structure-less, clayey or silty materials such as landfill caps and liners, lacustrine or marine sediments, etc.	0.01	$C_1 = \left(\frac{H_1/a}{2.102 + 0.118(H_1/a)}\right)^{0.655}$ $C_2 = \left(\frac{H_2/a}{2.102 + 0.118(H_2/a)}\right)^{0.655}$
Soils which are both fine textured (clayey or silty) and unstructured; may also include some fine sands.	0.04	$C_1 = \left(\frac{H_1/a}{1.992 + 0.091(H_1/a)}\right)^{0.683}$ $C_2 = \left(\frac{H_2/a}{1.992 + 0.091(H_2/a)}\right)^{0.683}$
Most structured soils from clays through loams; also includes unstructured medium and fine sands. The category most frequently applicable for agricultural soils.	0.12	$C_1 = \left(\frac{H_1/a}{2.074 + 0.093(H_1/a)}\right)^{0.754}$ $C_2 = \left(\frac{H_2/a}{2.074 + 0.093(H_2/a)}\right)^{0.754}$
Coarse and gravely sands; may also include some highly structured soils with large and/or numerous cracks, macro pores, etc.	0.36	$C_1 = \left(\frac{H_1/a}{2.074 + 0.093(H_1/a)}\right)^{0.754}$ $C_2 = \left(\frac{H_2/a}{2.074 + 0.093(H_2/a)}\right)^{0.754}$

Calculation formulas related to one-head and two-head methods. Where R is steady-state rate of fall of water in reservoir (cm/s), K_{fs} is Soil saturated hydraulic conductivity (cm/s), Φ_m is Soil matric flux potential (cm^2/s), α^* is Macroscopic capillary length parameter (from Table 2), a is Borehole radius (cm), H_1 is the first head of water established in borehole (cm) , H_2 is the second head of water established in borehole (cm) and $C$is Shape factor (from Table 2).

One Head, Combined Reservoir	$Q_1 = \bar{R}_1 \times 35.22$	$K_{fs} = \frac{C_1 \times Q_1}{2\pi H_1^2 + \pi a^2 C_1 + 2\pi\left(\frac{H_1}{\alpha^*}\right)}$ $\Phi_m = \frac{C_1 \times Q_1}{(2\pi H_1^2 + \pi a^2 C_1)\alpha^* + 2\pi H_1}$
One Head, Inner Reservoir	$Q_1 = \bar{R}_1 \times 2.16$	
Two Head, Combined Reservoir	$Q_1 = \bar{R}_1 \times 35.22$ $Q_2 = \bar{R}_2 \times 35.22$	$G_1 = \frac{H_2 C_1}{\pi(2H_1H_2(H_2 - H_1) + a^2(H_1C_2 - H_2C_1))}$ $G_2 = \frac{H_1 C_2}{\pi(2H_1H_2(H_2 - H_1) + a^2(H_1C_2 - H_2C_1))}$ $K_{fs} = G_2Q_2 - G_1Q_1$ $G_3 = \frac{(2H_2^2 + a^2C_2)C_1}{2\pi(2H_1H_2(H_2 - H_1) + a^2(H_1C_2 - H_2C_1))}$ $G_4 = \frac{(2H_1^2 + a^2C_1)C_2}{2\pi(2H_1H_2(H_2 - H_1) + a^2(H_1C_2 - H_2C_1))}$ $\Phi_m = G_3Q_1 - G_4Q_2$
Two Head, Inner Reservoir	$Q_1 = \bar{R}_1 \times 2.16$ $Q_2 = \bar{R}_2 \times 2.16$	

Guelph Permeameter Calculations

Input

Result

Support: ali@soilmoisture.com

103 COURT STEET - Infiltration Test at Stormtech #2 (test pit #3)

Reservoir Type (enter "1" for Combined and "2" for Inner reservoir):	1
Enter water Head Height ("H" in cm):	5
Enter the Borehole Radius ("a" in cm):	3
Enter the soil texture-structure category (enter one of the below numbers):	4

1. Compacted, Structure-less, clayey or silty materials such as landfill caps and liners, lacustrine or marine sediments, etc.
2. Soils which are both fine textured (clayey or silty) and unstructured; may also include some fine sands.
3. Most structured soils from clays through loams; also includes unstructured medium and fine sands. The category most frequently applicable for agricultural soils.
4. Coarse and gravely sands; may also include some highly structured soils with large and/or numerous cracks, macropors, etc

Steady State Rate of Water Level Change ("R" in cm/min):	7.2000

Res Type	35.22
H	5
a	3
H/a	1.667
a*	0.36
C0.01	0.809
C0.04	0.842
C0.12	0.803
C0.36	0.803
C	0.803
R	7.200
Q	4.226
pi	3.142

$\alpha^* =$	0.36	(cm^{-1})
$C =$	0.803154	
$Q =$	4.2264	
$K_{fs} =$	1.27E-02	cm/sec
	7.63E-01	cm/min
	1.27E-04	m/sec
	3.00E-01	inch/min
	5.00E-03	inch/sec
$\Phi_m =$	3.53E-02	(cm^2/min)

Calculation formulas related to shape factor (C). Where H_1 is the first water head height (cm), H_2 is the second water head height (cm), a is borehole radius (cm) and α^* is microscopic capillary length factor which is decided according to the soil texture-structure category. For one-head method, only C_1 needs to be calculated while for two-head method, C_1 and C_2 are calculated (Zang et al., 1998).

Soil Texture-Structure Category	$\alpha^*(cm^{-1})$	Shape Factor
Compacted, Structure-less, clayey or silty materials such as landfill caps and liners, lacustrine or marine sediments, etc.	0.01	$C_1 = \left(\frac{H_1/a}{2.102 + 0.118(H_1/a)}\right)^{0.655}$ $C_2 = \left(\frac{H_2/a}{2.102 + 0.118(H_2/a)}\right)^{0.655}$
Soils which are both fine textured (clayey or silty) and unstructured; may also include some fine sands.	0.04	$C_1 = \left(\frac{H_1/a}{1.992 + 0.091(H_1/a)}\right)^{0.683}$ $C_2 = \left(\frac{H_2/a}{1.992 + 0.091(H_2/a)}\right)^{0.683}$
Most structured soils from clays through loams; also includes unstructured medium and fine sands. The category most frequently applicable for agricultural soils.	0.12	$C_1 = \left(\frac{H_1/a}{2.074 + 0.093(H_1/a)}\right)^{0.754}$ $C_2 = \left(\frac{H_2/a}{2.074 + 0.093(H_2/a)}\right)^{0.754}$
Coarse and gravely sands; may also include some highly structured soils with large and/or numerous cracks, macro pores, etc.	0.36	$C_1 = \left(\frac{H_1/a}{2.074 + 0.093(H_1/a)}\right)^{0.754}$ $C_2 = \left(\frac{H_2/a}{2.074 + 0.093(H_2/a)}\right)^{0.754}$

Calculation formulas related to one-head and two-head methods. Where R is steady-state rate of fall of water in reservoir (cm/s), K_{fs} is Soil saturated hydraulic conductivity (cm/s), Φ_m is Soil matric flux potential (cm^2/s), α^* is Macroscopic capillary length parameter (from Table 2), a is Borehole radius (cm), H_1 is the first head of water established in borehole (cm) , H_2 is the second head of water established in borehole (cm) and $C$is Shape factor (from Table 2).

One Head, Combined Reservoir	$Q_1 = \bar{R}_1 \times 35.22$	$K_{fs} = \frac{C_1 \times Q_1}{2\pi H_1^2 + \pi a^2 C_1 + 2\pi\left(\frac{H_1}{\alpha^*}\right)}$ $\Phi_m = \frac{C_1 \times Q_1}{(2\pi H_1^2 + \pi a^2 C_1)\alpha^* + 2\pi H_1}$
One Head, Inner Reservoir	$Q_1 = \bar{R}_1 \times 2.16$	
Two Head, Combined Reservoir	$Q_1 = \bar{R}_1 \times 35.22$ $Q_2 = \bar{R}_2 \times 35.22$	$G_1 = \frac{H_2 C_1}{\pi(2H_1H_2(H_2 - H_1) + a^2(H_1C_2 - H_2C_1))}$ $G_2 = \frac{H_1 C_2}{\pi(2H_1H_2(H_2 - H_1) + a^2(H_1C_2 - H_2C_1))}$ $K_{fs} = G_2Q_2 - G_1Q_1$ $G_3 = \frac{(2H_2^2 + a^2C_2)C_1}{2\pi(2H_1H_2(H_2 - H_1) + a^2(H_1C_2 - H_2C_1))}$ $G_4 = \frac{(2H_1^2 + a^2C_1)C_2}{2\pi(2H_1H_2(H_2 - H_1) + a^2(H_1C_2 - H_2C_1))}$ $\Phi_m = G_3Q_1 - G_4Q_2$
Two Head, Inner Reservoir	$Q_1 = \bar{R}_1 \times 2.16$ $Q_2 = \bar{R}_2 \times 2.16$	

Pollutant Removal Efficiencies for Best Management Practices for Use in Pollutant Loading Analysis				Values Accepted for Loading Analyses		
BMP Type	**BMP**	**Notes**	**Lit. Ref.**	**TSS**	**TN**	**TP**
Stormwater Ponds	Wet Pond		B, F	70%	35%	45%
	Wet Extended Detention Pond		A, B	80%	55%	68%
	Micropool Extended Detention Pond	TBA				
	Multiple Pond System	TBA				
	Pocket Pond	TBA				
Stormwater Wetlands	Shallow Wetland		A, B, F, I	80%	55%	45%
	Extended Detention Wetland		A, B, F, I	80%	55%	45%
	Pond/Wetland System	TBA				
	Gravel Wetland		H	95%	85%	64%
Infiltration Practices	Infiltration Trench (≥75 ft from surface water)		B, D, I	90%	55%	60%
	Infiltration Trench (<75 ft from surface water)		B, D, I	90%	10%	60%
	Infiltration Basin (≥75 ft from surface water)		A, F, B, D, I	90%	60%	65%
	Infiltration Basin (<75 ft from surface water)		A, F, B, D, I	90%	10%	65%
	Dry Wells			90%	55%	60%
	Drip Edges			90%	55%	60%
Filtering Practices	Aboveground or Underground Sand Filter that infiltrates WQV (≥75 ft from surface water)		A, F, B, D, I	90%	60%	65%
	Aboveground or Underground Sand Filter that infiltrates WQV (<75 ft from surface water)		A, F, B, D, I	90%	10%	65%
	Aboveground or Underground Sand Filter with underdrain		A, I, F, G, H	85%	10%	45%
	Tree Box Filter	TBA				
	Bioretention System		I, G, H	90%	65%	65%
	Permeable Pavement that infiltrates WQV (≥75 ft from surface water)		A, F, B, D, I	90%	60%	65%
	Permeable Pavement that infiltrates WQV (<75 ft from surface water)		A, F, B, D, I	90%	10%	65%
	Permeable Pavement with underdrain		Use TN and TP values for sand filter w/ underdrain and outlet pipe	90%	10%	45%

TABLE B

SOIL SERIES

Soil Series	legend number	Ksat low - B in/hr	Ksat high - B in/hr	Ksat low - C in/hr	Ksat high - C in/hr	Hyd. Grp.	Group	Land Form	Temp.	Soil Textures	Spodosol ?	Other
Abenaki	501	0.6	2.0	6.00	99.0	B	2	Outwash and Stream Terraces	frigid	loamy over sandy-skeletal	no	loamy over gravelly
Acton	146	2.0	20.0	2.00	20.0	B	3	Loose till, sandy textures	mesic	sandy-skeletal	no	cobbly loamy sand
Adams	36	6.0	20.0	20.00	99.0	A	1	Outwash and Stream Terraces	frigid	sandy	yes	
Agawam	24	6.0	20.0	20.00	100.0	B	2	Outwash and Stream Terraces	mesic	loamy over sandy	no	loamy over sand/gravel
Allagash	127	0.6	2.0	6.00	20.0	B	2	Outwash and Stream Terraces	frigid	loamy over sandy	yes	loamy over sandy
Au Gres	516					B	5	Outwash and Stream Terraces	frigid	sandy	yes	single grain, loose
Bangor	572	0.6	2.0	0.60	2.0	B	2	Friable till, silty, schist & phyllite	frigid	loamy	yes	silt loam
Becket	56	0.6	2.0	0.06	0.6	C	3	Firm, platy, sandy till	frigid	loamy	yes	gravelly sandy loam in Cd
Belgrade	532	0.6	2.0	0.06	2.0	B	3	Terraces and glacial lake plains	mesic	silty	no	strata of fine sand
Bemis	224	0.6	0.2	0.00	0.2	C	5	Firm, platy, loamy till	cryic	loamy	no	
Berkshire	72	0.6	6.0	0.60	6.0	B	2	Loose till, loamy textures	frigid	loamy	yes	fine sandy loam
Bernardston	330	0.6	2.0	0.06	0.2	C	3	Firm, platy, silty till, schist & phyllite	mesic	loamy	no	channery silt loam in Cd
Bice	226	0.6	6.0	0.60	6.0	B	2	Loose till, loamy textures	frigid	loamy	no	sandy loam
Biddeford	234	0.0	0.2	0.00	0.2	D	6	Silt and Clay Deposits	frigid	fine	no	organic over clay
Binghamville	534	0.2	2.0	0.06	0.2	D	5	Terraces and glacial lake plains	mesic	silty	no	
Boscawen	220	6.0	20.0	20.00	100.0	A	1	Outwash and Stream Terraces	frigid	sandy-skeletal	no	loamy cap
Boxford	32	0.1	0.2	0.00	0.2	C	3	Silt and Clay Deposits	mesic	fine	no	silty clay loam
Brayton	240	0.6	2.0	0.06	0.6	C	5	Firm, platy, silty till, schist & phyllite	frigid	loamy	no	
Buckland	237	0.6	2.0	0.06	0.2	C	3	Firm, platy, loamy till	frigid	loamy	no	loam in Cd
Bucksport	895					D	6	Organic Materials - Freshwater	frigid	sapric	no	deep organic
Burnham	131	0.2	6.0	0.02	0.2	D	6	Firm, platy, silty till, schist & phylitte	frigid	loamy	no	organic over silt
Buxton	232	0.1	0.6	0.00	0.2	C	3	Silt and Clay Deposits	frigid	fine	no	silty clay
Cabot	589	0.6	2.0	0.06	0.2	D	5	Firm, platy, silty till, schist & phyllite	frigid	loamy	no	
Caesar	526	20.0	100.0	20.00	100.0	A	1	Outwash and Stream Terraces	mesic	coarse sand	no	
Canaan	663	2.0	20.0	2.00	20.0	C	4	Weathered Bedrock Till	frigid	loamy-skeletal	yes	less than 20 in. deep
Canterbury	166	0.6	2.0	0.06	0.6	C	3	Firm, platy, loamy till	frigid	loamy	no	loam in Cd
Canton	42	2.0	6.0	6.00	20.0	B	2	Loose till, sandy textures	mesic	loamy over sandy	no	loamy over loamy sand
Cardigan	357	0.6	2.0	0.60	2.0	B	4	Friable till, silty, schist & phyllite	mesic	loamy	no	20 to 40 in. deep
Catden	296					A/D	6	Organic Materials - Freshwater	mesic	sapric	no	deep organic
Champlain	35	6.0	20.0	20.00	100.0	A	1	Outwash and Stream Terraces	frigid	gravelly sand	no	
Charles	209	0.6	100.0	0.60	100.0	C	5	Flood Plain (Bottom Land)	frigid	silty	no	
Charlton	62	0.6	6.0	0.60	6.0	B	2	Loose till, loamy textures	mesic	loamy	no	fine sandy loam
Chatfield	89	0.6	6.0	0.60	6.0	B	4	Loose till, bedrock	mesic	loamy	no	20 to 40 in. deep
Chatfield Var.	289	0.6	6.0	0.60	6.0	B	3	Loose till, bedrock	mesic	loamy	no	mwd to swpd
Chesuncook	126	0.6	2.0	0.02	0.2	C	3	Firm, platy, silty till, schist & phyllite	frigid	loamy	yes	channery silt loam in Cd
Chichester	442	0.6	2.0	2.00	6.0	B		Loose till, sandy textures	frigid	loamy over sandy	no	loamy over loamy sand
Chocorua	395			6.00	20.0	D	6	Organic Materials - Freshwater	frigid	sandy or sandy-skeletal	no	organic over sand
Cohas	505	0.6	2.0	0.60	100.0	C	5	Flood Plain (Bottom Land)	frigid	co. loamy over sandy (skeletal)	no	
Colonel	927	0.6	2.0	0.06	0.6	C	3	Firm, platy, loamy till	frigid	loamy	yes	loam in Cd
Colton	22	6.0	20.0	20.00	100.0	A	1	Outwash and Stream Terraces	frigid	sandy-skeletal	yes	
Colton, gravelly	21	6.0	20.0	20.00	100.0	A	1	Outwash and Stream Terraces	frigid	sandy-skeletal	yes	gravelly surface
Croghan	613	20.0	100.0	20.00	100.0	B	3	Outwash and Stream Terraces	frigid	sandy	yes	single grain in C
Dartmouth	132	0.6	2.0	0.06	0.6	B	3	Terraces and glacial lake plains	mesic	silty	no	thin strata silty clay loam
Deerfield	313	6.0	20.0	20.00	100.0	B	3	Outwash and Stream Terraces	mesic	sandy	no	single grain in C
Dixfield	378	0.6	2.0	0.06	0.6	C	3	Firm, platy, loamy till	frigid	loamy	yes	fine sandy loam in Cd
Dixmont	578	0.6	2.0	0.60	2.0	C	3	Friable till, silty, schist & phyllite	frigid	loamy	yes	silt loam, platy in C
Duane	413	6.0	20.0	6.00	20.0	B	3	Outwash and Stream Terraces	frigid	sandy-skeletal	yes	cemented (ortstein)
Dutchess	366	0.6	2.0	0.60	2.0	B	2	Friable till, silty, schist & phyllite	mesic	loamy	no	very channery
Eldridge	38	6.0	20.0	0.06	0.6	C	3	Sandy/loamy over silt/clay	mesic	sandy over loamy	no	
Elliottsville	128	0.6	2.0	0.60	2.0	B	4	Friable till, silty, schist & phyllite	frigid	loamy	yes	20 to 40 in. deep
Elmridge	238	2.0	6.0	0.00	0.2	C	3	Sandy/loamy over silt/clay	mesic	loamy over clayey	no	
Elmwood	338	2.0	6.0	0.00	0.2	C	3	Sandy/loamy over silt/clay	frigid	loamy over clayey	no	
Finch	116					C	3	Outwash and Stream Terraces	frigid	sandy	yes	cemented (ortstein)

Soil Series	legend number	Ksat low - B in/hr	Ksat high - B in/hr	Ksat low - C in/hr	Ksat high - C in/hr	Hyd. Grp.	Group	Land Form	Temp.	Soil Textures	Spodosol ?	Other
Fryeburg	208	0.6	2.0	2.00	6.0	B	2	Flood Plain (Bottom Land)	frigid	silty	no	very fine sandy loam
Gilmanton	478	0.6	2.0	0.06	0.6	C	3	Firm, platy, loamy till	frigid	loamy	no	fine sandy loam in Cd
Glebe	671	2.0	6.0	2.00	6.0	C	4	Loose till, bedrock	cryic	loamy	yes	20 to 40 in. deep
Gloucester	11	6.0	20.0	6.00	20.0	A	1	Sandy Till	mesic	sandy-skeletal	no	loamy cap
Glover	NA	0.6	2.0	0.60	2	D	4	Friable till, silty, schist & phyllite	frigid	loamy	no	less than 20 in. deep
Grange	433	0.6	2.0	0.60	2.0	C	5	Outwash and Stream Terraces	frigid	co. loamy over sandy (skeletal)	no	
Greenwood	295					A/D	6	Organic Materials - Freshwater	frigid	hemic	no	deep organic
Groveton	27	0.6	2.0	0.60	6.0	B	2	Outwash and Stream Terraces	frigid	loamy	yes	loamy over sandy
Hadley	8	0.6	2.0	0.60	6.0	B	2	Flood Plain (Bottom Land)	mesic	silty	no	strata of fine sand
Hadley	108	0.6	2.0	0.60	6.0	B	2	Flood Plain (Bottom Land)	mesic	silty	no	strata of fine sand, occ flooded
Hartland	31	0.6	2.0	0.20	2.0	B	2	Terraces and glacial lake plains	mesic	silty	no	very fine sandy loam
Haven	410	0.6	2.0	20.00	100.0	B	2	Outwash and Stream Terraces	mesic	loamy over sandy	no	loamy over sand/gravel
Henniker	46	0.6	2.0	0.06	0.6	C	3	Firm, platy, sandy till	frigid	loamy	no	loamy sand in Cd
Hermon	55	2.0	20.0	6.00	20.0	A	1	Sandy Till	frigid	sandy-skeletal	yes	loamy cap
Hinckley	12	6.0	20.0	20.00	100.0	A	1	Outwash and Stream Terraces	mesic	sandy-skeletal	no	
Hitchcock	130	0.6	2.0	0.06	0.6	B	3	Terraces and glacial lake plains	mesic	silty	no	silt loam to silt in C
Hogback	91	2.0	6.0	2.00	6.0	C	4	Loose till, bedrock	frigid	loamy	yes	less than 20 in. deep
Hollis	86	0.6	6.0	0.60	6.0	C/D	4	Loose till, bedrock	mesic	loamy	no	less than 20 in. deep
Hoosic	510	2.0	20.0	20.00	100.0	A	1	Outwash and Stream Terraces	mesic	sandy-skeletal	no	slate, loamy cap
Houghtonville	795	0.6	6.0	0.60	6.0	B	2	Loose till, loamy textures	frigid	loamy	yes	cobbly fine sandy loam
Howland	566	0.6	2.0	0.06	0.2	C	3	Firm, platy, silty till, schist & phyllite	frigid	loamy	yes	silt loam, platy in Cd
Ipswich	397					D	6	Tidal Flat	mesic	hemic/sapric	no	deep organic
Kearsarge	359	0.6	2.0	0.60	2.0	B	4	Friable till, silty, schist & phyllite	mesic	loamy	no	less than 20 in. deep
Kinsman	614	6.0	20.0	6.00	20.0	C	5	Outwash and Stream Terraces	frigid	sandy	yes	
Lanesboro	228	0.6	2.0	0.06	0.2	C	3	Firm, platy, silty till, schist & phyllite	frigid	loamy	no	channery silt loam in Cd
Leicester	514	0.6	6.0	0.60	20.0	C	5	Loose till, loamy textures	mesic	loamy	no	
Lim	3	0.6	2.0	6.00	20.0	C	5	Flood Plain (Bottom Land)	mesic	loamy	no	
Limerick	109	0.6	2.0	0.60	2.0	C	5	Flood Plain (Bottom Land)	mesic	silty	no	
Lombard	259	0.6	6.0	2.00	20.0	C/D	2	Weathered bedrock, phyllite	frigid	loamy	no	very channery
Lovewell	307	0.6	2.0	0.60	2.0	B	3	Flood Plain (Bottom Land)	frigid	silty	no	very fine sandy loam
Lyman	92	2.0	6.0	2.00	6.0	A/D	4	Loose till, bedrock	frigid	loamy	yes	less than 20 in. deep
Lyme	246	0.6	6.0	0.60	6.0	C	5	Loose till, sandy textures	frigid	loamy	no	
Machias	520	2.0	6.0	6.00	20.0	B	3	Outwash and Stream Terraces	frigid	sandy or sandy-skeletal	yes	strata sand/gravel in C
Macomber	252	0.6	2.0	0.60	2.0	C	4	Friable till, silty, schist & phyllite	frigid	loamy-skeletal	yes	20 to 40 in. deep
Madawaska	28	0.6	2.0	6.00	20.0	B	3	Outwash and Stream Terraces	frigid	loamy over sandy	yes	sandy or sandy-skeletal
Madawaska, aquer	48	0.6	2.0	6.00	20.0	B	3	Outwash and Stream Terraces	frigid	loamy over sandy	yes	sandy or sandy-skeletal
Marlow	76	0.6	2.0	0.06	0.6	C	3	Firm, platy, loamy till	frigid	loamy	yes	fine sandy loam in Cd
Masardis	23	6.0	20.0	6.00	20.0	A	1	Outwash and Stream Terraces	frigid	sandy-skeletal	yes	slate, loamy cap
Mashpee	315	6.0	20.0	6.00	20.0	B	5	Outwash and Stream Terraces	mesic	sandy	yes	
Matunuck	797			20.00	100.0	D	6	Tidal Flat	mesic	sandy	no	organic over sand
Maybid	134	0.0	0.2	0.00	0.2	D	6	Silt and Clay Deposits	mesic	fine	no	silt over clay
Meadowsedge	894					D	6	Organic Materials - Freshwater	frigid	peat	no	deep organic
Medomak	406	0.6	2.0	0.60	2.0	D	6	Flood Plain (Bottom Land)	frigid	silty	no	organic over silt
Melrose	37	2.0	6.0	0.00	0.2	C	3	Sandy/loamy over silt/clay	frigid	loamy over clayey	no	silty clay loam in C
Merrimac	10	2.0	20.0	6.00	20.0	A	1	Outwash and Stream Terraces	mesic	gravelly sand	no	loamy cap
Metacomet	458	0.6	2.0	0.06	0.6	C	3	Firm, platy, sandy till	frigid	loamy	no	loamy sand in Cd
Metallak	404	6.0	100.0	6.00	100.0	B	3	Flood Plain (Bottom Land)	frigid	loamy over sandy	no	sandy or sandy-skeletal
Millis	39					C	3	Firm, platy, sandy till	frigid	loamy	yes	loamy sand in Cd
Millsite	251	0.6	6.0	0.60	6.0	C	4	Loose till, bedrock	frigid	loamy	no	20 to 40 in. deep
Monadnock	142	0.6	2.0	2.00	6.0	B	2	Loose till, sandy textures	frigid	oamy over sandy, sandy-skeleta	yes	gravelly loamy sand in C
Monarda	569	0.2	2.0	0.02	0.2	D	5	Firm, platy, silty till, schist & phyllite	frigid	loamy	no	
Monson	133	0.6	2.0	0.60	2.0	D	4	Friable till, silty, schist & phyllite	frigid	loamy	yes	less than 20 in. deep
Montauk	44	0.6	6.0	0.06	0.6	C	3	Firm, platy, sandy till	mesic	loamy	no	loamy sand in Cd
Moosilauke	414	6.0	20.0	6.00	20.0	C	5	Loose till, sandy textures	frigid	sandy	no	

Soil Series	legend number	Ksat low - B in/hr	Ksat high - B in/hr	Ksat low - C in/hr	Ksat high - C in/hr	Hyd. Grp.	Group	Land Form	Temp.	Soil Textures	Spodosol ?	Other
Mundal	610	0.6	2.0	0.06	0.6	C	3	Firm, platy, loamy till	frigid	loamy	yes	gravelly sandy loam in Cd
Natchaug	496			0.20	2.0	D	6	Organic Materials - Freshwater	mesic	loamy	no	organic over loam
Naumburg	214	6.0	20.0	6.00	20.0	C	5	Outwash and Stream Terraces	frigid	sandy	yes	
Newfields	444	0.6	2.0	0.60	2.0	B	3	Loose till, sandy textures	mesic	loamy over sandy	no	sandy or sandy-skeletal
Nicholville	632	0.6	2.0	0.60	2.0	C	3	Terraces and glacial lake plains	frigid	silty	yes	very fine sandy loam
Ninigret	513	0.6	6.0	6.00	20.0	B	3	Outwash and Stream Terraces	mesic	loamy over sandy	no	sandy or sandy-skeletal
Occum	1	0.6	2.0	6.00	20.0	B	2	Flood Plain (Bottom Land)	mesic	loamy	no	loamy over loamy sand
Ondawa	101	0.6	6.0	6.00	20.0	B	2	Flood Plain (Bottom Land)	frigid	loamy	no	loamy over loamy sand
Ondawa	201	0.6	6.0	6.00	20.0	B	2	Flood Plain (Bottom Land)	frigid	loamy	no	occ flood, loamy over l. sand
Ossipee	495			0.20	2.0	D	6	Organic Materials - Freshwater	frigid	loamy	no	organic over loam
Pawcatuck	497			20.00	100.0	D	6	Tidal Flat	mesic	sandy or sandy-skeletal	no	organic over sand
Paxton	66	0.6	2.0	0.00	0.2	C	3	Firm, platy, loamy till	mesic	loamy	no	
Peacham	549	0.6	2.0	0.00	0.2	D	6	Firm, platy, silty till, schist & phylitte	frigid	loamy	no	organic over loam
Pemi	633	0.6	2.0	0.06	0.6	C	5	Terraces and glacial lake plains	frigid	silty	no	
Pennichuck	460	0.6	2.0	0.60	2.0	B	4	Friable till, silty, schist & phyllite	mesic	loamy-skeletal	no	20 to 40 in. deep
Peru	78	0.6	2.0	0.06	0.6	C	3	Firm, platy, loamy till	frigid	loamy	yes	
Pillsbury	646	0.6	2.0	0.06	0.2	C	5	Firm, platy, loamy till	frigid	silty	no	
Pipestone	314					B	5	Outwash and Stream Terraces	mesic	sandy	yes	
Pittstown	334	0.6	2.0	0.06	0.2	C	3	Firm, platy, silty till, schist & phyllite	mesic	loamy	no	channery silt loam in Cd
Plaisted	563	0.6	2.0	0.06	0.6	C	3	Firm, platy, silty till, schist & phyllite	frigid	loamy	yes	channery silt loam in Cd
Podunk	104	0.6	6.0	6.00	20.0	B	3	Flood Plain (Bottom Land)	frigid	loamy	no	loamy to coarse sand in C
Pondicherry	992			6.00	20.0	D	6	Organic Materials - Freshwater	frigid	sandy or sandy-skeletal	no	organic over sand
Poocham	230	0.6	2.0	0.20	2.0	B	3	Terraces and glacial lake plains	mesic	silty	no	silt loam in C
Pootatuck	4	0.6	6.0	6.00	20.0	B	3	Flood Plain (Bottom Land)	mesic	loamy	no	single grain in C
Quonset	310	2.0	20.0	20.00	100.0	A	1	Outwash and Stream Terraces	mesic	sandy-skeletal	no	shale
Rawsonville	98	0.6	6.0	0.60	6.0	C	4	Loose till, bedrock	frigid	loamy	yes	20 to 40 in. deep
Raynham	533	0.2	2.0	0.06	0.2	C	5	Terraces and glacial lake plains	mesic	silty	no	
Raypol	540	0.6	2.0	6.00	100.0	D	5	Outwash and Stream Terraces	mesic	co. loamy over sandy (skeletal)	no	
Redstone	665	2.0	6.0	6.00	20.0	A	1	Weathered Bedrock Till	frigid	fragmental	yes	loamy cap
Ricker	674	2.0	6.0	2.00	6.0	A	4	rganic over bedrock (up to 4" of minera	cryic	fibric to hemic	no	well drained, less than 20 in. deep
Ridgebury	656	0.6	6.0	0.00	0.2	C	5	Firm, platy, loamy till	mesic	loamy	no	
Rippowam	5	0.6	6.0	6.00	20.0	C	5	Flood Plain (Bottom Land)	mesic	loamy	no	
Roundabout	333	0.2	2.0	0.06	0.6	C	5	Terraces and glacial lake plains	frigid	silty	no	silt loam in the C
Rumney	105	0.6	6.0	6.00	20.0	C	5	Flood Plain (Bottom Land)	frigid	loamy	no	
Saco	6	0.6	2.0	6.00	20.0	D	6	Flood Plain (Bottom Land)	mesic	silty	no	strata
Saddleback	673	0.6	2.0	0.60	2.0	C/D	4	Loose till, bedrock	cryic	loamy	yes	less than 20 in. deep
Salmon	630	0.6	2.0	0.60	2.0	B	2	Terraces and glacial lake plains	frigid	silty	yes	very fine sandy loam
Saugatuck	16	0.06	0.2	6.00	20.0	C	5	Outwash and Stream Terraces	mesic	sandy	yes	ortstein
Scantic	233	0.0	0.2	0.00	0.2	D	5	Silt and Clay Deposits	frigid	fine	no	
Scarboro	115	6.0	20.0	6.00	20.0	D	6	Outwash and Stream Terraces	mesic	sandy	no	organic over sand, non stony
Scio	531	0.6	2.0	0.60	2.0	B	3	Terraces and glacial lake plains	mesic	silty	no	gravelly sand in 2C
Scitico	33	0.0	0.2	0.00	0.2	C	5	Silt and Clay Deposits	mesic	fine	no	
Scituate	448	0.6	2.0	0.06	0.2	C	3	Firm, platy, sandy till	mesic	loamy	no	loamy sand in Cd
Searsport	15	6.0	20.0	6.00	20.0	D	6	Outwash and Stream Terraces	frigid	sandy	no	organic over sand
Shaker	439	2.0	6.0	0.00	0.2	C	5	Sandy/loamy over silt/clay	mesic	co. loamy over clayey	no	
Shapleigh	136					C/D	4	Sandy Till	mesic	sandy	yes	less than 20 in. deep
Sheepscot	14	6.0	20.0	6.00	20.0	B	3	Outwash and Stream Terraces	frigid	sandy-skeletal	yes	gravelly coarse sand
Sisk	667	0.6	2.0	0.00	0.6	C	3	Firm, platy, loamy till	cryic	loamy	yes	sandy loam in Cd
Skerry	558	0.6	2.0	0.06	0.6	C	3	Firm, platy, sandy till	frigid	loamy	yes	loamy sand in Cd
Squamscott	538	6.0	20.0	0.06	0.6	C	5	Sandy/loamy over silt/clay	mesic	sandy over loamy	yes	
Stetson	523	0.6	6.0	6.00	20.0	B	2	Outwash and Stream Terraces	frigid	sandy-skeletal	yes	loamy over gravelly
Stissing	340	0.6	2.0	0.06	0.2	C	5	Firm, platy, silty till, schist & phyllite	mesic	loamy	no	
Success	154	2.0	6.0	6.00	20.0	A	1	Sandy Till	frigid	sandy-skeletal	yes	cemented
Sudbury	118	2.0	6.0	2.00	20.0	B	3	Outwash and Stream Terraces	mesic	sandy	no	loam over gravelly sand

Soil Series	legend number	Ksat low - B in/hr	Ksat high - B in/hr	Ksat low - C in/hr	Ksat high - C in/hr	Hyd. Grp.	Group	Land Form	Temp.	Soil Textures	Spodosol ?	Other
Suffield	536	0.6	2.0	0.00	0.2	C	3	Sandy/loamy over silt/clay	mesic	silty over clayey	no	deep to clay C
Sunapee	168	0.6	2.0	0.60	6.0	B	3	Loose till, loamy textures	frigid	loamy	yes	
Sunapee var	269	0.6	2.0	0.60	6.0	B	3	Loose till, loamy textures	frigid	loamy	yes	frigid dystrudept
Suncook	2	6.0	20.0	6.00	20.0	A	1	Flood Plain (Bottomland)	mesic	sandy	no	occasionally flooded
Suncook	402	6.0	20.0	6.00	20.0	A	1	Flood Plain (Bottomland)	mesic	sandy	no	frequent flooding
Sunday	102	6.0	20.0	6.00	20.0	A	1	Flood Plain (Bottomland)	frigid	sandy	no	occasionally flooded
Sunday	202	6.0	20.0	6.00	20.0	A	1	Flood Plain (Bottomland)	frigid	sandy	no	frequently flooded
Surplus	669	0.6	2.0	0.00	0.6	C	3	Firm, platy, loamy till	cryic	loamy	yes	mwd, sandy loam in Cd
Sutton	68	0.6	6.0	0.60	6.0	B	3	Loose till, loamy textures	mesic	loamy	no	
Swanton	438	2.0	6.0	0.00	0.2	C	5	Sandy/loamy over silt/clay	frigid	co. loamy over clayey	no	
Telos	123	0.6	2.0	0.02	0.2	C	3	Firm, platy, silty till, schist & phyllite	frigid	loamy	yes	channery silt loam in Cd
Thorndike	84	0.6	2.0	0.60	2.0	C/D	4	Friable till, silty, schist & phyllite	frigid	loamy-skeletal	yes	less than 20 in. deep
Timakwa	393			6.00	100.0	D	6	Organic Materials - Freshwater	mesic	sandy or sandy-skeletal	no	organic over sand
Tunbridge	99	0.6	6.0	0.60	6.0	C	4	Loose till, bedrock	frigid	loamy	yes	20 to 40 in. deep
Unadilla	30	0.6	2.0	2.00	20.0	B	2	Terraces and glacial lake plains	mesic	silty	no	silty over gravelly
Vassalboro	150					D	6	Organic Materials - Freshwater	frigid	peat	no	deep organic
Walpole	546	2.0	6.0	6.00	20.0	C	5	Outwash and Stream Terraces	mesic	sandy	no	
Wareham	34	6.0	20.0	6.00	20.0	C	5	Outwash and Stream Terraces	mesic	sandy	no	
Warwick	210	2.0	6.0	20.00	100.0	A	1	Outwash and Stream Terraces	mesic	loamy-skeletal	no	loamy over slate gravel
Waskish	195					D	6	Organic Materials - Freshwater	frigid	peat	no	deep organic
Waumbeck	58	2.0	20.0	6.00	20.0	B	3	Loose till, sandy textures	frigid	sandy-skeletal	yes	very cobbly loamy sand
Westbrook	597			0.00	2.0	D	6	Tidal Flat	mesic	loamy	no	organic over loam
Whitman	49	0.0	0.2	0.00	0.2	D	6	Firm, platy, loamy till	mesic	loamy	no	mucky loam
Windsor	26	6.0	20.0	6.00	20.0	A	1	Outwash and Stream Terraces	mesic	sandy	no	
Winnecook	88	0.6	2.0	0.60	2.0	C	4	Friable till, silty, schist & phyllite	frigid	loamy-skeletal	yes	20 to 40 in. deep
Winooski	9	0.6	6.0	0.60	6.0	B		Flood Plain (Bottom Land)	mesic	silty over loamy	no	
Winooski	103	0.6	6.0	0.60	6.0	B	3	Flood Plain (Bottom Land)	mesic	silty	no	very fine sandy loam
Wonsqueak	995			0.20	2.0	D	6	Organic Materials - Freshwater	frigid	loamy	no	organic over loam
Woodbridge	29	0.6	2.0	0.00	0.6	C	3	Firm, platy, loamy till	mesic	loamy	no	sandy loam in Cd
Woodstock	93	2.0	6.0	2.00	6.0	C/D	4	Loose till, bedrock	frigid	loamy	no	less than 20 in. deep

no longer recognized
organic materials

TABLE 6-4.1 -- RUNOFF CURVE NUMBERS (Average Watershed Condition)

COVER DESCRIPTION Cover type and hydrologic condition	Average percent impervious area[2]	CURVE NUMBERS FOR HYDROLOGIC SOIL GROUP A	B	C	D
FULLY DEVELOPED URBAN AREAS[1] (Vegetation Established)					
Lawns, open spaces, parks, golf courses, cemeteries, etc.					
good condition; grass cover on 75% or more of the area		39	61	74	80
fair condition; grass cover on 50% to 75% of the area		49	69	79	84
poor condition; grass cover on 50% or less of the area		68	79	86	89
Paved parking lots, roofs, driveways, etc.		98	98	98	98
Streets and roads;					
paved with curbs and storm sewers		98	98	98	98
gravel		76	85	89	91
dirt		72	82	87	89
paved with open ditches		83	89	92	93
Commercial and business areas	85	89	92	94	95
Industrial districts	72	81	88	91	93
Row houses, town houses, and residential					
with lot sizes 1/8 acre or less	65	77	85	90	92
Residential					
Average lot size					
1/4 acre	38	61	75	83	87
1/3 acre	30	57	72	81	86
1/2 acre	25	54	70	80	85
1 acre	20	51	68	79	84
2 acre	12	46	65	77	82
DEVELOPING URBAN AREAS[3] (No vegetation Established)					
Newly graded area		77	86	91	94

1. For land uses with impervious areas, curve numbers are computed assuming that 100% of runoff from impervious areas is directly connected to the drainage system. Pervious areas (lawn) are considered to be equivalent to lawns in good condition and the impervious areas have an RCN of 98.

2. Includes paved streets.

3. Use for the design of temporary measures during grading and construction. Impervious area percent for urban areas under development vary considerably. The user will determine the percent impervious. Then using the newly graded area RCN and Table 6-4, the composite RCN can be computed for any degree of development.

Source: USDA Soil Conservation Service

TABLE 6-4.2 -- RUNOFF CURVE NUMBERS (Average Watershed Condition)

COVER DESCRIPTION			CURVE NUMBERS FOR HYDROLOGIC SOIL GROUP			
Cover type and hydrologic condition		Hydrologic condition[4]	A	B	C	D
CULTIVATED AGRICULTURAL LAND						
Fallow	Bare soil		77	86	91	94
	Crop residue cover (CR)	poor	76	85	90	93
	CR	good	74	83	88	90
Row crops	Straight row (SR)	poor	72	81	88	91
	SR	good	67	78	85	89
	SR & CR	poor	71	80	87	90
	SR & CR	good	64	75	82	85
	Contoured (C)	poor	70	79	84	88
	C	good	65	75	82	86
	C & CR	poor	69	78	83	87
	C & CR	good	64	74	81	85
	Contoured & Terraces (C&T)	poor	66	74	80	82
	C&T	good	62	71	78	81
	C&T & CR	poor	65	73	79	81
	C&T & CR	good	61	70	77	80
Small grain	SR	poor	65	76	84	88
	SR	good	63	75	83	87
	SR & CR	poor	64	75	83	86
	SR & CR	good	60	72	80	84
	C	poor	63	74	82	85
	C	good	61	73	81	84
	C & CR	poor	62	73	81	84
	C & CR	good	60	72	80	83
	C&T	poor	61	72	79	82
	C&T	good	59	70	78	81
	C&T & CR	poor	60	71	78	81
	C&T & CR	good	58	69	77	80
Close-seeded Legumes or Rotation Meadow[5]	SR	poor	66	77	85	89
	SR	good	58	72	81	85
	C	poor	64	75	83	85
	C	good	55	69	78	83
	C&T	poor	63	73	80	83
	C&T	good	51	67	76	80

4. For conservation tillage poor hydrologic condition, 5 to 20 percent of the surface is covered with residue (less than 750 #/acre row crops or 300#/acre small grain).
   For conservation tillage good hydrologic condition, more than 20 percent of the surface is covered with residue (greater than 750 #/acre row crops or 300 #/acre small grain).
5. Close-drilled or broadcast.

Source: USDA Soil Conservation Service

TABLE 6-4.3 -- RUNOFF CURVE NUMBERS (Average Watershed Condition)

COVER DESCRIPTION Cover type and hydrologic condition	Hydrologic condition[6]	CURVE NUMBERS FOR HYDROLOGIC SOIL GROUP A	B	C	D
NON-CULTIVATED AGRICULTURAL LAND					
Pasture, grassland, or range - continuous forage for grazing	poor	68	79	86	89
	fair	49	69	79	84
	good	39	61	74	80
Meadow - continuous grass, protected from grazing and generally mowed for hay	---	30	58	71	78
Woods-grass combination (orchard or tree farm)	poor	57	73	82	86
	fair	43	65	76	82
	good	32	58	72	79
Brush - brush-weed-grass mixture with brush the major element	poor	48	67	77	83
	fair	35	56	70	77
	good	30	48	65	73
Woods	poor	45	66	77	83
	fair	36	60	73	79
	good	30	55	70	77
Farmsteads - buildings, lanes, driveways, and surrounding lots	---	59	74	82	86

6. Poor hydrologic condition has less than 50 percent ground cover density.
Fair hydrologic condition has between 50 and 75 percent ground cover density.
Good hydrologic condition has more than 75 percent ground cover density.

Source: USDA Soil Conservation Service

VALUES OF THE ROUGHNESS COEFFICIENT n
(Boldface figures are values generally recommended in design)

Type of channel and description	Minimum	Normal	Maximum
A. CLOSED CONDUITS FLOWING PARTLY FULL			
A-1. Metal			
a. Brass, smooth	0.009	**0.010**	0.013
b. Steel			
1. Lockbar and welded	0.010	0.012	0.014
2. Riveted and spiral	0.013	0.016	0.017
c. Cast iron			
1. Coated	0.010	0.013	0.014
2. Uncoated	0.011	0.014	0.016
d. Wrought iron			
1. Black	0.012	0.014	0.015
2. Galvanized	0.013	0.016	0.017
e. Corrugated metal			
1. Subdrain	0.017	0.019	0.021
2. Storm drain	0.021	**0.024**	0.030
A-2. Nonmetal			
a. Lucite	0.008	0.009	0.010
b. Glass	0.009	**0.010**	0.013
c. Cement			
1. Neat, surface	0.010	0.011	0.013
2. Mortar	0.011	0.013	0.015
d. Concrete			
1. Culvert, straight and free of debris	0.010	0.011	0.013
2. Culvert with bends, connections, and some debris	0.011	**0.013**	0.014
3. Finished	0.011	0.012	0.014
4. Sewer with manholes, inlet, etc., straight	0.013	0.015	0.017
5. Unfinished, steel form	0.012	0.013	0.014
6. Unfinished, smooth wood form	0.012	**0.014**	0.016
7. Unfinished, rough wood form	0.015	0.017	0.020
e. Wood			
1. Stave	0.010	0.012	0.014
2. Laminated, treated	0.015	0.017	0.020
f. Clay			
1. Common drainage tile	0.011	**0.013**	0.017
2. Vitrified sewer	0.011	0.014	0.017
3. Vitrified sewer with manholes, inlet, etc.	0.013	0.015	0.017
4. Vitrified subdrain with open joint	0.014	0.016	**0.018**
g. Brickwork			
1. Glazed	0.011	**0.013**	**0.015**
2. Lined with cement mortar	0.012	0.015	0.017
h. Sanitary sewers coated with sewage slimes, with bends and connections	0.012	0.013	0.016
i. Paved invert, sewer, smooth bottom	0.016	0.019	0.020
j. Rubble masonry, cemented	0.018	0.025	0.030

VALUES OF THE ROUGHNESS COEFFICIENT n (*continued*)

Type of channel and description	Minimum	Normal	Maximum
B. LINED OR BUILT-UP CHANNELS			
B-1. Metal			
a. Smooth steel surface			
1. Unpainted	0.011	**0.012**	0.014
2. Painted	0.012	0.013	0.017
b. Corrugated	0.021	0.025	0.030
B-2. Nonmetal			
a. Cement			
1. Neat, surface	0.010	0.011	0.013
2. Mortar	0.011	0.013	0.015
b. Wood			
1. Planed, untreated	0.010	0.012	0.014
2. Planed, creosoted	0.011	0.012	0.015
3. Unplaned	0.011	0.013	0.015
4. Plank with battens	0.012	0.015	0.018
5. Lined with roofing paper	0.010	0.014	0.017
c. Concrete			
1. Trowel finish	0.011	**0.013**	0.015
2. Float finish	0.013	0.015	0.016
3. Finished, with gravel on bottom	0.015	0.017	0.020
4. Unfinished	0.014	0.017	0.020
5. Gunite, good section	0.016	0.019	0.023
6. Gunite, wavy section	0.018	0.022	0.025
7. On good excavated rock	0.017	0.020	
8. On irregular excavated rock	0.022	0.027	
d. Concrete bottom float finished with sides of			
1. Dressed stone in mortar	0.015	0.017	0.020
2. Random stone in mortar	0.017	0.020	0.024
3. Cement rubble masonry, plastered	0.016	0.020	0.024
4. Cement rubble masonry	0.020	0.025	0.030
5. Dry rubble or riprap	0.020	0.030	0.035
e. Gravel bottom with sides of			
1. Formed concrete	0.017	0.020	0.025
2. Random stone in mortar	0.020	0.023	0.026
3. Dry rubble or riprap	0.023	0.033	0.036
f. Brick			
1. Glazed	0.011	**0.013**	0.015
2. In cement mortar	0.012	**0.015**	0.018
g. Masonry			
1. Cemented rubble	0.017	**0.025**	0.030
2. Dry rubble	0.023	0.032	0.035
h. Dressed ashlar	0.013	0.015	0.017
i. Asphalt			
1. Smooth	0.013	0.013	
2. Rough	0.016	0.016	
j. Vegetal lining	0.030	.....	0.500

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VALUES OF THE ROUGHNESS COEFFICIENT n (continued)

Type of channel and description	Minimum	Normal	Maximum
C. EXCAVATED OR DREDGED			
a. Earth, straight and uniform			
1. Clean, recently completed	0.016	0.018	0.020
2. Clean, after weathering	0.018	0.022	0.025
3. Gravel, uniform section, clean	0.022	0.025	0.030
4. With short grass, few weeds	0.022	0.027	0.033
b. Earth, winding and sluggish			
1. No vegetation	0.023	0.025	0.030
2. Grass, some weeds	0.025	0.030	0.033
3. Dense weeds or aquatic plants in deep channels	0.030	0.035	0.040
4. Earth bottom and rubble sides	0.028	0.030	0.035
5. Stony bottom and weedy banks	0.025	0.035	0.040
6. Cobble bottom and clean sides	0.030	0.040	0.050
c. Dragline-excavated or dredged			
1. No vegetation	0.025	0.028	0.033
2. Light brush on banks	0.035	0.050	0.060
d. Rock cuts			
1. Smooth and uniform	0.025	0.035	0.040
2. Jagged and irregular	0.035	0.040	0.050
e. Channels not maintained, weeds and brush uncut			
1. Dense weeds, high as flow depth	0.050	0.080	0.120
2. Clean bottom, brush on sides	0.040	0.050	0.080
3. Same, highest stage of flow	0.045	0.070	0.110
4. Dense brush, high stage	0.080	0.100	0.140
D. NATURAL STREAMS			
D-1. Minor streams (top width at flood stage <100 ft)			
a. Streams on plain			
1. Clean, straight, full stage, no rifts or deep pools	0.025	0.030	0.033
2. Same as above, but more stones and weeds	0.030	0.035	0.040
3. Clean, winding, some pools and shoals	0.033	0.040	0.045
4. Same as above, but some weeds and stones	0.035	0.045	0.050
5. Same as above, lower stages, more ineffective slopes and sections	0.040	0.048	0.055
6. Same as 4, but more stones	0.045	0.050	0.060
7. Sluggish reaches, weedy, deep pools	0.050	0.070	0.080
8. Very weedy reaches, deep pools, or floodways with heavy stand of timber and underbrush	0.075	0.100	0.150
b. Mountain streams, no vegetation in channel, banks usually steep, trees and brush along banks submerged at high stages			
1. Bottom: gravels, cobbles, and few boulders	0.030	0.040	0.050
2. Bottom: cobbles with large boulders	0.040	0.050	0.070
D-2. Flood plains			
a. Pasture, no brush			
1. Short grass	0.025	0.030	0.035
2. High grass	0.030	0.035	0.050
b. Cultivated areas			
1. No crop	0.020	0.030	0.040
2. Mature row crops	0.025	0.035	0.045
3. Mature field crops	0.030	0.040	0.050
c. Brush			
1. Scattered brush, heavy weeds	0.035	0.050	0.070
2. Light brush and trees, in winter	0.035	0.050	0.060
3. Light brush and trees, in summer	0.040	0.060	0.080
4. Medium to dense brush, in winter	0.045	0.070	0.110
5. Medium to dense brush, in summer	0.070	0.100	0.160
d. Trees			
1. Dense willows, summer, straight	0.110	0.150	0.200
2. Cleared land with tree stumps, no sprouts	0.030	0.040	0.050
3. Same as above, but with heavy growth of sprouts	0.050	0.060	0.080
4. Heavy stand of timber, a few down trees, little undergrowth, flood stage below branches	0.080	0.100	0.120
5. Same as above, but with flood stage reaching branches	0.100	0.120	0.160
D-3. Major streams (top width at flood stage >100 ft). The n value is less than that for minor streams of similar description, because banks offer less effective resistance.			
a. Regular section with no boulders or brush	0.025	.....	0.060
b. Irregular and rough section	0.035	.....	0.100

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Appendix D1: Broad-Crested Weir Coefficients for Sharp-Edged Crests

The following table lists *English* weir coefficients for broad crested weirs with a sharp-edged crest of various breadths. These coefficients are automatically entered into the lookup table for a broad crested weir whenever a crest breadth is entered as described on page 89. If breadth falls between two listed values, interpolated coefficients are automatically used. Breadths outside the listed range will use the first or last coefficient values without extrapolation. Values are automatically converted to the current input units as described on page 43.

	Weir Breadth--(ft)										
Head	0.50	0.75	1.00	1.50	2.00	2.50	3.00	4.00	5.00	10.0	15.0
0.2	2.80	2.75	2.69	2.62	2.54	2.48	2.44	2.38	2.34	2.49	2.68
0.4	2.92	2.80	2.72	2.64	2.61	2.60	2.58	2.54	2.50	2.56	2.70
0.6	3.08	2.89	2.75	2.64	2.61	2.60	2.68	2.69	2.70	2.70	2.70
0.8	3.30	3.04	2.85	2.68	2.60	2.60	2.67	2.68	2.68	2.69	2.64
1.0	3.32	3.14	2.98	2.75	2.66	2.64	2.65	2.67	2.68	2.68	2.63
1.2	3.32	3.20	3.08	2.86	2.70	2.65	2.64	2.67	2.66	2.69	2.64
1.4	3.32	3.26	3.20	2.92	2.77	2.68	2.64	2.65	2.65	2.67	2.64
1.6	3.32	3.29	3.28	3.07	2.89	2.75	2.68	2.66	2.65	2.64	2.63
1.8	3.32	3.32	3.31	3.07	2.88	2.74	2.68	2.66	2.65	2.64	2.63
2.0	3.32	3.31	3.30	3.03	2.85	2.76	2.72	2.68	2.65	2.64	2.63
2.5	3.32	3.32	3.31	3.28	3.07	2.89	2.81	2.72	2.67	2.64	2.63
3.0	3.32	3.32	3.32	3.32	3.20	3.05	2.92	2.73	2.66	2.64	2.63
3.5	3.32	3.32	3.32	3.32	3.32	3.19	2.97	2.76	2.68	2.64	2.63
4.0	3.32	3.32	3.32	3.32	3.32	3.32	3.07	2.79	2.70	2.64	2.63
4.5	3.32	3.32	3.32	3.32	3.32	3.32	3.32	2.88	2.74	2.64	2.63
5.0	3.32	3.32	3.32	3.32	3.32	3.32	3.32	3.07	2.79	2.64	2.63
5.5	3.32	3.32	3.32	3.32	3.32	3.32	3.32	3.32	2.88	2.64	2.63

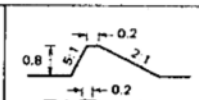
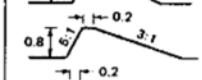
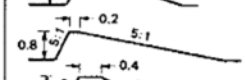
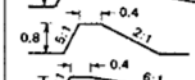
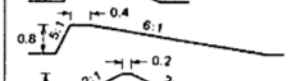
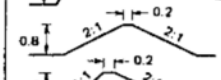
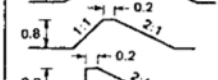
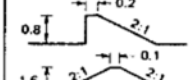
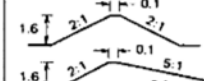
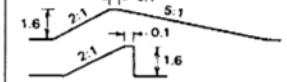
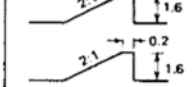
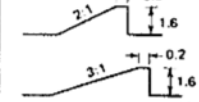
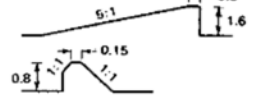
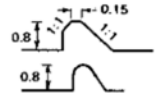
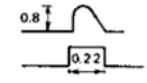
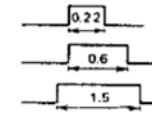
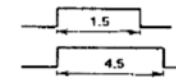
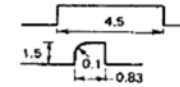
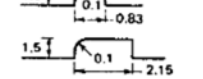
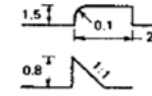
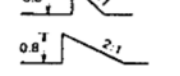
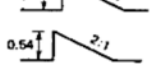
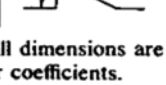
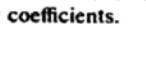
This table was derived from information in HANDBOOK OF HYDRAULICS by Brater and King, 1976.

Appendix D2: Broad-Crested Weir Coefficients for Assorted Profiles

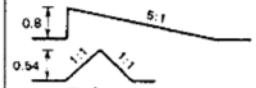
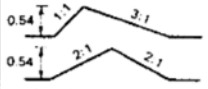
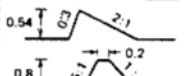
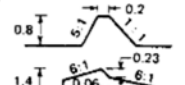
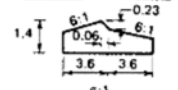
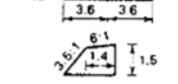
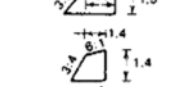
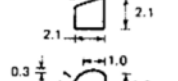
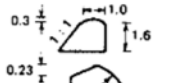
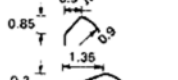
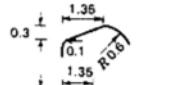
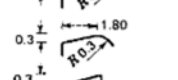
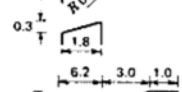
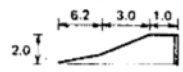
Coefficients for the following weirs may be entered automatically by specifying the appropriate Profile ID number on the HydroCAD weir screen.

Note: This table contains *metric* weir coefficients. To obtain English coefficients **multiply the values in this table by 1.811** as described on page 43.

Discharge Coefficients for Broad-Crested Weirs

	Cross section	Upstream head *h* [m]							
		0.15	0.30	0.45	0.60	0.75	0.90	1.20	1.50
1		1.61	1.86	1.98					
2		1.60	1.80	1.90					
3		1.58	1.75	1.79					
4		1.53	1.64	1.77					
5		1.54	1.62	1.69					
6		1.72	1.88	1.98					
7		1.65	1.88	2.00					
8		1.53	1.80	1.93					
9					1.96	1.96	1.97	1.99	2.02
10					1.94	1.92	1.89	1.92	1.97
11			2.12	2.10	2.08	2.08	2.06	2.04	2.00
12			1.88	1.96	2.01	2.04	2.05	2.05	2.05
13					1.96	1.96	1.96	1.96	1.96
14					1.86	1.86	1.86	1.86	1.86
15		1.81	2.00						
16		2.10	2.35						
17		1.57	1.73	1.80	1.82	1.83	1.83		
18		1.44	1.46	1.55	1.56	1.69	1.76	1.84	
19		1.43	1.47	1.45	1.46	1.47	1.46	1.48	1.59
20		1.48	1.45	1.44	1.44				
21			1.56	1.60	1.65	1.70	1.74	1.84	1.92
22			1.56	1.56	1.55	1.55	1.55	1.55	1.54
23		2.13	2.13	2.13					
24		1.93	1.94	1.94					
25		1.94	1.98	1.97					

*All dimensions are in meters. Tabulated values represent metric weir coefficients.

	Cross section	Upstream head *h* [m]							
		0.15	0.30	0.45	0.60	0.75	0.90	1.20	1.50
26		1.69	1.73	1.73					
27		2.28	2.25	2.06					
28		2.08	2.12	2.12					
29		1.92	1.93	1.92					
30		2.10	2.13	2.13					
31		2.03	2.03	2.01					
32		2.03	2.03	2.01					
33		1.65	1.94	2.10					
34			1.72	1.76	1.76	1.76	1.76	1.76	1.76
35				1.87	1.84	1.81	1.82	1.82	1.85
36			1.91	1.90	1.87	1.84	1.83	1.86	1.90
37						1.89	1.87	1.87	1.88
38			1.81	1.81	1.82	1.86	1.90	1.97	2.01
39		1.13	1.82 1.89	1.83 1.90	1.85 1.88	1.87 1.88	1.88 1.90	1.95	2.06
40		1.76	1.86 1.92	1.90 1.98	1.93 2.06	1.96 2.04	1.97 2.04	2.03	2.11
41		1.72	1.90	2.00	2.06	2.10	2.13		
42		1.78	1.84	1.89	1.93	1.97	2.00		
43		1.75	1.81	1.85	1.88	1.90	1.92	1.95	
44		1.80	1.92	1.95	1.94	1.85	1.82		
45		1.94	1.94	1.95	1.92	1.85	1.81	1.79	
46		1.72	1.72	1.70	1.72	1.76	1.79	1.85	
47		1.70	1.71	1.82					
48			2.09						

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Appendix E: Culvert Entrance Loss Coefficients

The following table lists entrance loss coefficients for concrete, corrugated metal, and box culverts. These values are automatically provided by HydroCAD when the corresponding entrance description is selected for a given culvert.

Although comparable data is not available for corrugated plastic pipe, it is believed to be similar to corrugated metal, and the same entries are listed for "CPP" in the internal lookup table.

Entrance Loss Coefficients.

Type of Structure and Design of Entrance	Coefficient, k_e
Pipe, Concrete	
Projecting from fill, groove end	0.2
Projecting from fill, sq. cut end	0.5
Headwall or headwall and wingwalls	
Groove end of pipe	0.2
Square-edge	0.5
Rounded (radius = 1/12D)	0.1
Mitered to conform to fill slope	0.7
End-Section conforming to fill slope*	0.5
Pipe, or Pipe-Arch, Corrugated Metal	
Projecting from fill (no headwall)	0.9
Headwall or headwall end wingwalls	
Square-edge	0.5
Mitered to conform to fill slope	0.7
End-Section conforming to fill slope*	0.5
Box, Reinforced Concrete	
Headwall parallel to embankment (no wingwalls)	
Square-edged on 3 edges	0.5
Rounded on 3 edges to radius of 1/12 barrel dimension	0.2
Wingwalls at 30° to 75° to barrel	
Square-edged at crown	0.4
Crown edge rounded to radius of 1/12 barrel dimension	0.2
Wingwalls at 10° to 30° to barrel	
Square-edged at crown	0.5
Wingwalls parallel (extension of sides)	
Square-edged at crown	0.7

*Note: "End Section conforming to fill slope", made of either metal or concrete, are the sections commonly available from manufacturers. From limited hydraulic tests they are equivalent in operation to a headwall in both inlet and outlet control. Some end sections, incorporating a closed taper have a superior hydraulic performance.

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Appendix F: Sheet Flow Roughness Coefficients

HydroCAD provides the following table of roughness coefficients for use with the Sheet Flow procedure (see page 54). This information is taken directly from NEH Table 15-1, with slight abbreviation of the descriptions. If you decide to substitute other roughness coefficients, note that these values are specifically for sheet flow, and are generally larger than the regular Manning's numbers for comparable surfaces.

Surface Description	n
Smooth surfaces	.011
Fallow	.05
Cultivated: Residue<=20%	.06
Cultivated: Residue>20%	.17
Grass: Short	.15
Grass: Dense	.24
Grass: Bermuda	.41
Range	.13
Woods: Light underbrush	.40
Woods: Dense underbrush	.80

Note: These coefficients may also be appropriate when using a reach to model artificially created sheet flow (as from a level spreader) as long as the depth of flow is limited to approximately 1/10 foot.

Appendix G: Velocity Factors

The Shallow Concentrated Flow procedure (a.k.a. Upland Method) uses a *velocity factor*, K_V, as listed below. The first two surfaces (paved and unpaved) are the basis for TR-55 Figure 3-1, and the factors were originally obtained from TR-55 Appendix F. The remaining surfaces were taken from NEH-4 Figure 15.2, with the factors derived from that chart. Subsequent revisions to NEH Part 630 provide *numerical* K_V values which are in good agreement with the original chart, except for "Grassed Waterways", which appears to have changed from 15.0 to 16.13, making it the same as the TR-55 "Unpaved" condition. For compatibility with previous calculations, the HydroCAD lookup table continues to supply the original K_V values as listed below. If different values are required for any reason, HydroCAD allows direct K_V entry instead of using the lookup table. See page 55 for further details on Shallow Concentrated Flow.

Surface Description	K_V [ft/sec]	K_V [m/sec]
Paved	20.33	6.2
Unpaved	16.13	4.92
Grassed Waterway	15.0	4.57
Nearly Bare & Untilled	10.0	3.05
Cultivated Straight Rows	9.0	2.74
Short Grass Pasture	7.0	2.13
Woodland	5.0	1.52
Forest w/Heavy Litter	2.5	0.76

Some descriptions have been abbreviated. Velocity factors have the same units as a velocity, and may be converted between English and metric as described on page 43.

H y d r o C A D ®

Stormwater Modeling System

Version 10

Owner's Manual

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5 SHERMAN STREET, LLC

Stormwater Management, Maintenance & Inspection Plan

103 Court Street
Dover, New Hampshire

August 2024

Prepared for: 5 Sherman Street, LLC
242 Central Ave
Dover, New Hampshire 03820

Contact: Robert Baldwin
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Prepared by: Tritech Engineering Corporation
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Dover, New Hampshire 03820

Introduction

Tritech Engineering Corporation has prepared the following Stormwater Management System Inspection & Maintenance Plan for 103 Court Street, located on southern side of Court Street, Dover, New Hampshire. The intent of this plan is to provide 5 Sherman Street, LLC with a list of procedures that document the inspection and maintenance requirements of the Stormwater Management System for this development.

The following inspection and maintenance program is necessary in order to keep the Stormwater Management System functioning properly. By following the enclosed procedures, 5 Sherman Street LLC, will be able to maintain the functional design of the Stormwater Management System and maximize its ability to remove sediment and other contaminants from site generated stormwater runoff.

5 Sherman Street LLC, or its successors, heirs and assigns, will be responsible for implementing the required inspections and reporting over the expected life of the system.

Stormwater Management System Components

The 103 Court Street Stormwater Management System is designed to mitigate both the quantity and quality of site-generated stormwater runoff. As a result, its design includes the following elements:

Non-Structural BMP's

Non-Structural best management practices (BMP's) are designed to minimize and/or remove contaminants before they enter the stormwater collection system. Several of these BMP's have been incorporated into the Stormwater Management System including pavement sweeping, reduced use of road salt, and litter/trash removal. These types of BMP's are a highly effective initial treatment measure for reducing stormwater pollutant loading.

Closed Drainage Collection and Piping System

The closed drainage system is designed to collect and convey stormwater runoff from the roofs and paved areas and infiltrate stormwater back into the water table. Stormwater is collected in a catch basins and yard drains before being routed to two stormtech chamber systems. Runoff is then routed to a Bioretention area for treatment and infiltration.

Bioretention Basins

Bioretention Basins collect stormwater from ground runoff, as well as roadway runoff after pretreatment in Forebays, and allow contaminants and sedimentation to be contained. Bio Retention Ponds allow rainwater to be infiltrated and recharge groundwater on the side, and treated excess water is allowed to exit pond through rectangular weir spillway.

Stormtech Chambers

See attached for operation and maintenance for stormtech chambers.

Inspection & Maintenance Plan

By implementing the following procedures, 5 Sherman Street, LLC will be able to maintain the functional design of the Stormwater Management System and maximize the system's ability to remove sediment and other contaminants from site generated stormwater runoff.

Pavement Sweeping:	Sweep Pavement Area at least three times per year or more as necessary. Spring pavement sweeping shall be performed as early as possible.
Litter/Trash Removal:	Routinely inspect all dumpster locations for spillage and clean as necessary.
Deicing Agents:	It is recommended a certified Winter Operator (Green SnowPro) applies deicing agents. Use sand as the primary agent for parking lot safety during ice and snow conditions. Minimize the use of road salt (sodium chloride) during the winter. Use de-icing or anti-caking agents, added to enhance performance and application characteristics of sand mixtures, only as necessary and at minimum application rates. A deicing log (attached) must be maintained throughout the winter season.
Closed Drainage	Inspect all catch basins monthly for floatable objects and remove as required.
Bioretention Basins	Inspect detention basin twice annually for floatables and remove as required. Inspect detention basin, outlet structure, and outlets twice annually and remove accumulated sand and sediment. At least once annually, the system should be inspected for drawdown time. If the bioretention system does not drain within 72 hours following a rainfall event, then a qualified professional should assess the condition of the facility to determine measures required to restore filtration function, including but not limited to removal of sediments, or reconstruction of the filter media. At least once annually, vegetation should be inspected and maintained in a healthy condition, including pruning, removal and replacement of dead or diseased vegetation, and removal of invasive species.
Stormtech Chambers	At least once annually inspect Stormtech chambers for sediment accumulation. Remove sediment once it reaches a depth of 3 inches or more using jetvac and vacuum as needed,
Invasive Species:	During maintenance and inspection activities, check for the presence of invasive species and dispose of in accordance with the procedures contained herein.

Annual Report: Submit an annual Inspection & Maintenance Report to the City of Dover's Planning Department by December 15th of each year. The report should include a summary of the system's maintenance requirements and repairs, and copies of the Inspection & Maintenance Log Sheets as well as the Deicing Log Sheets.

Each inspection shall include photographs of each the BMP being inspected

Additionally, Inspection and Maintenance Records must be provided to NHDES upon request.

Inspection & Maintenance Checklist/Log

The following pages contain an Inspection & Maintenance Checklist and blank copy of the Stormwater Management System's Inspection & Maintenance Log. These forms are provided to 5 Sherman Street, LLC with the inspection and maintenance of the 103 Court Street Stormwater Management System.

Disposal Methods for Non-Native Invasive Plants

This table provides information concerning the disposal of removed invasive plant material. If the infestation is treated with herbicide and left in place, these guidelines don't apply. Don't bring invasives to a local transfer station, unless there is a designated area for their disposal, or they have been rendered non-viable. This listing includes wetland and upland plants from the New Hampshire Prohibited Invasive Species List. The disposal of aquatic plants is not addressed.

<table>
<tr><th>Woody Plants</th><th>Method of Reproducing</th><th>Methods of Disposal</th></tr>
<tr><td rowspan="2">Norway maple
(Acer platanoides)
European barberry
(Berberis vulgaris)
Japanese barberry
(Berberis thunbergii)
autumn olive
(Elaeagnus umbellata)
burning bush
(Euonymus alatus)
Morrow's honeysuckle
(Lonicera morrowii)
Tatarian honeysuckle
(Lonicera tatarica)
showy bush honeysuckle
(Lonicera x bella)
common buckthorn
(Rhamnus cathartica)
glossy buckthorn
(Frangula alnus)</td><td rowspan="2">Fruit and Seeds
  </td><td>Prior to fruit/seed ripening
Seedlings and small plants
▪ Pull or cut and leave on site with roots exposed. No special care needed.
Larger plants
▪ Use as firewood.
▪ Make a brush pile.
▪ Chip.
▪ Burn.</td></tr>
<tr><td>After fruit/seed is ripe
Don't remove from site.
▪ Burn.
▪ Make a covered brush pile.
▪ Chip once all fruit has dropped from branches.
▪ Leave resulting chips on site and monitor.</td></tr>
<tr><td rowspan="2">oriental bittersweet
(Celastrus orbiculatus)
multiflora rose
(Rosa multiflora)</td><td rowspan="2">Fruits, Seeds, Plant Fragments</td><td>Prior to fruit/seed ripening
Seedlings and small plants
▪ Pull or cut and leave on site with roots exposed. No special care needed.
Larger plants
▪ Make a brush pile.
▪ Burn.</td></tr>
<tr><td>After fruit/seed is ripe
Don't remove from site.
▪ Burn.
▪ Make a covered brush pile.
▪ Chip – only after material has fully dried (1 year) and all fruit has dropped from branches. Leave resulting chips on site and monitor.</td></tr>
</table>

<table>
<tr><th>Non-Woody Plants</th><th>Method of Reproducing</th><th>Methods of Disposal</th></tr>
<tr><td rowspan="2">garlic mustard
(Alliaria petiolata)
spotted knapweed
(Centaurea maculosa)
▪ Sap of related knapweed can cause skin irritation and tumors. Wear gloves when handling.
black swallow-wort
(Cynanchum nigrum)
▪ May cause skin rash. Wear gloves and long sleeves when handling.
pale swallow-wort
(Cynanchum rossicum)
giant hogweed
(Heracleum mantegazzianum)
▪ Can cause major skin rash. Wear gloves and long sleeves when handling.
dame’s rocket
(Hesperis matronalis)
perennial pepperweed
(Lepidium latifolium)
purple loosestrife
(Lythrum salicaria)
Japanese stilt grass
(Microstegium vimineum)
mile-a-minute weed
(Polygonum perfoliatum)</td><td rowspan="2">Fruits and Seeds
  </td><td>Prior to flowering
Depends on scale of infestation
Small infestation
▪ Pull or cut plant and leave on site with roots exposed.

Large infestation
▪ Pull or cut plant and pile. (You can pile onto or cover with plastic sheeting).
▪ Monitor. Remove any re-sprouting material.</td></tr>
<tr><td>During and following flowering
Do nothing until the following year or remove flowering heads and bag and let rot.

Small infestation
▪ Pull or cut plant and leave on site with roots exposed.

Large infestation
▪ Pull or cut plant and pile remaining material. (You can pile onto plastic or cover with plastic sheeting).
▪ Monitor. Remove any re-sprouting material.</td></tr>
<tr><td>common reed
(Phragmites australis)
Japanese knotweed
(Polygonum cuspidatum)
Bohemian knotweed
(Polygonum x bohemicum)</td><td>Fruits, Seeds, Plant Fragments
Primary means of spread in these species is by plant parts. Although all care should be given to preventing the dispersal of seed during control activities, the presence of seed doesn’t materially influence disposal activities.</td><td>Small infestation
▪ Bag all plant material and let rot.
▪ Never pile and use resulting material as compost.
▪ Burn.

Large infestation
▪ Remove material to unsuitable habitat (dry, hot and sunny or dry and shaded location) and scatter or pile.
▪ Monitor and remove any sprouting material.
▪ Pile, let dry, and burn.</td></tr>
</table>

Stormwater Management System

Inspection & Maintenance Checklist

103 Court Street

BMP/System Component	Minimum Inspection Frequency	Minimum Inspection Requirements	Maintenance/Cleanout Threshold
Pavement Sweeping	1-2 times per year	Sweep or vacuum to prevent sediment tracking.	As required
Litter/Trash Removal	Routinely	Inspect outdoor waste receptacles areas for spillage.	Clean as required.
Deicing Agents	N/A	Contractor certified by "Green SnowPro" program to apply deicing agents. Use deicing log after every application.	Use sand as primary agent for parking lot safety during winter.
Closed Drainage System			
Catch Basins	2 times per year 1 time per month	Check for sediment accumulation in sump and on sock. Check for floatable contaminants.	≥ 2 in. sediment depth. ≥ 3 in. floatable depth.
Drainage Pipes	1 time per year	Check for sediment accumulation/clogging.	≥ 2 in. sediment depth.
Drainage Swales	Per mowing	Maintain grass height of 3-4 inches. Remove sediment accumulation from bottom of swale. Remove accumulated trash and debris as needed.	Sediment accumulation reaches 25% of design volume. Grass height exceeds 4 inches.
Stormtech Chambers	1 time per year	Check for sediment accumulation in chambers.	≥ 3 in. sediment depth.
Bioretention System	2 times per year	Check for sediment accumulation Check for floatables If system does not drain within 72 hours, actions must be taken to restore infiltration capabilities.	≥ 2 in. sediment depth in bioretention. ≥ 3 in. floatable depth in bioretention.
Annual Report	1 time per year	Submit Annual Report, including all Inspection & Maintenance Logs, to the Somersworth Planning Department.	N/A

Stormwater Management System

Inspection & Maintenance Log

103 Court Street

BMP/System Component	Date Inspected	Inspector	Cleaning/Repair Needed (*List Items/Comments)*	Date of Cleaning/Repair	Performed By

Stormwater Management System

Deicing Log

5 SHERMAN STREET, LLC

Date	Amount Applied	Performed By	Date	Amount Applied	Performed By

CERTIFICATE OF UNDERSTANDING

Stormwater Management, Maintenance & Inspection Plan

Project: 103 Court Street
Dover, New Hampshire
August 2024

Owner: 5 Sherman Street, LLC
242 Central Ave
Dover, New Hampshire 03820

Engineer: Tritech Engineering Corporation
755 Central Avenue
Dover, New Hampshire 03820

Project Reference Plans:

Site Development Plans for:
103 Court Street
Dover, New Hampshire
Dated August, 15 2024

Specifically:
T-1, T-2, EX-1, SSS-1, SN-1, C-1 through C-3, SP-1 through SP-12, Li-1, LA-1 & TR-1.

Project Drainage Analysis References:

Drainage Analysis, Erosion and Sedimentation Control, & Site Development Plan for:
103 Court Street
Dover, New Hampshire
Dated August 2024

Site Plan Review Approval was granted by the Somersworth Planning Board Pending

I, Robert Baldwin, the property owner, am familiar with the references above and understand this Stormwater Management, Maintenance, and Inspection Plan, and my responsibilities identified herein. If ownership of the property is transferred, the new property owner(s) shall become the responsible party(ies).

_____ _____

Robert Baldwin, Owner Date

SITE DEVELOPMENT PLANS

103 COURT STREET

103 COURT STREET
DOVER, NEW HAMPSHIRE

LIST OF PLANS

T-1 - TITLE SHEET
T-2 - NEIGHBORHOOD PLAN
EX-1 - EXISTING CONDITIONS PLAN (1"=30')
SSS-1 - SITE SPECIFIC SOILS PLAN (1"=30')
SN-1 - STANDARDS NOTES PLAN
C-1 - ROADWAY PLAN AND PROFILE (1"=20')
C-2 - ROADWAY PLAN AND PROFILE (1"=20')
C-3 - CROSS-COUNTRY UTILITY PLAN AND PROFILE (1"=20')
SP-1 - GENERAL SITE PLAN (1"=30')
SP-2 - SITE CONSTRUCTION PLAN (1"=20')
SP-3 - UTILITY PLAN (1"=20')
SP-4 - GRADING AND DRAINAGE PLAN (1"=20')
SP-5 - BIORETENSION DETAILS
SP-6 - STORMTECH PLAN
SP-7 - DRAINAGE DETAILS
SP-8 - CONSTRUCTION DETAILS
SP-9 - CONSTRUCTION DETAILS
SP-10 - CONSTRUCTION DETAILS
SP-11 - SEWER DETAILS
SP-12 - SEWER DETAILS
Li-1 - LIGHTING PLAN
La-1 - LANDSCAPE PLAN
La-2 - LANDSCAPE DETAILS
TR-1 - FIRE TRUCK TURNING PLAN

PREPARED FOR:
5 SHERMAN STREET, LLC
242 CENTRAL AVENUE
DOVER, NEW HAMPSHIRE

OWNER:
5 SHERMAN STREET, LLC
242 CENTRAL AVENUE
DOVER, NEW HAMPSHIRE

PREPARED BY

TRITECH
ENGINEERING CORPORATION

TRITECH
ENGINEERING CORPORATION
755 CENTRAL AVENUE
DOVER, NEW HAMPSHIRE 03820
TELEPHONE 603 742 8107
FAX 603 742 3830

ISSUED FOR TRC REVIEW
October 24, 2024

REVISIONS

DATE:	DESCRIPTION:
9-12-24	REVISED PER TRC COMMENTS
10-24-24	REVISED PER TRC COMMENTS

LICENSED LAND SURVEYOR
No. 884
ROBERT J. STOWELL
STATE OF NEW HAMPSHIRE

ROBERT J. STOWELL No. 9803 LICENSED LAND SURVEYOR
STATE OF NEW HAMPSHIRE - PROFESSIONAL SEAL

TITLE SHEET
103 COURT STREET
103 COURT STREET
DOVER, NEW HAMPSHIRE
STRAFFORD COUNTY
AUGUST 15, 2024
JOB No. 24101

SHEET No.
T-1

(P24-0012)



SHEET No.

T-2

NEIGHBORHOOD PLAN

103 COURT STREET

103 COURT STREET
DOVER, NEW HAMPSHIRE
STRAFFORD COUNTY

OCTOBER 24, 2024 JOB No. 24101

ISSUED FOR TRC REVIEW
October 24, 2024

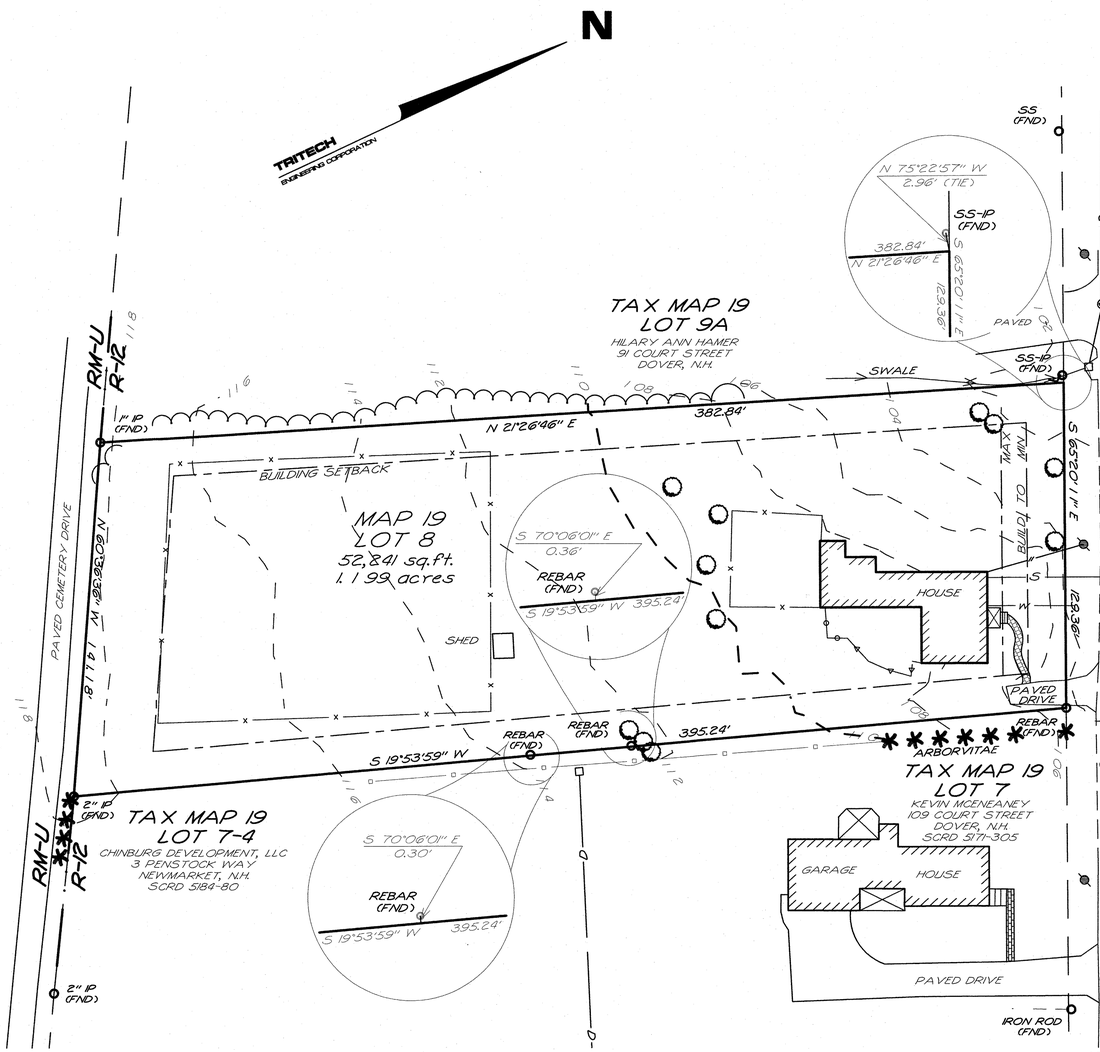
REVISIONS	
DATE:	DESCRIPTION:
9-12-24	REVISED PER TRC COMMENTS
10-24-24	REVISED PER TRC COMMENTS

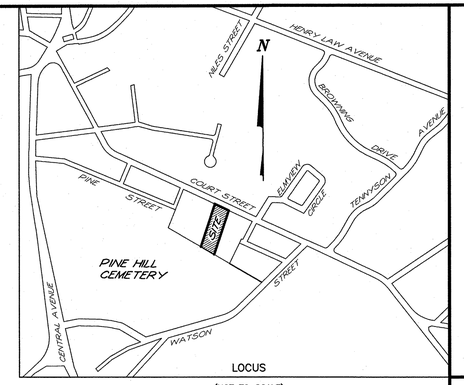
TRITECH
ENGINEERING CORPORATION

755 CENTRAL AVENUE
DOVER, NEW HAMPSHIRE 03820

TELEPHONE 603 742 8107
FAX 603 742 3330

(24-002)





NOTES

1.) INTENT: TO SHOW THE EXISTING CONDITIONS OF DOVER TAX MAP 19 LOT 8.

2.) CURRENT OWNER: 5 SHERMAN STREET LLC
242 CENTRAL AVENUE
DOVER, N.H.

AUTHORIZED SIGNATURE

3.) TAX MAP 19 LOT 8.

4.) TOTAL LOT AREA: 52,241 SQ.FT. – 1.199 ACRES

5.) PROJECT DEED REFERENCE: BOOK 5172 PAGE 55

6.) PROJECT PLAN REFERENCE: SURVEYED MAY 1935
W.S. WHEELER, CE
DOVER, N.H.
SCRD
POCKET #10, FOLDER #2, PLAN #11 & 12

LIMITED SUBDIVISION
CECIL TAYLOR
DOVER, N.H.
FREDERICK E. DREW ASSOCIATES
JULY 1977 SCRD 17-112

PROPERTY SURVEY
109 COURT STREET, DOVER
STRAFFORD COUNTY, NEW HAMPSHIRE
JOANNE RICHARD LIVING REVOCABLE TRUST
STONEWALL SURVEYING
AUGUST 1, 2023 SCRD #13011

7.) ALL APPLICABLE RIGHT-OF-WAY, CONSERVATION, SLOPE, CONSTRUCTION, POWER LINE, CROSS TRAVEL OR OTHER EASEMENTS HAVE BEEN REFERENCED IN A NOTE.

8.) ZONING: R-12
MIN. LOT SIZE: 12,000 SQ.FT.
MIN. FRONTAGE: 100 FT
MIN. SETBACKS:
FRONT: 15 FT TO 25 FT
SIDE: 15 FT
REAR: 30 FT
MAX. COVERAGE: 30 %

9.) VARIANCES, SPECIAL EXCEPTIONS, CONDITIONAL USE PERMITS: NONE

10.) THE RAW UNADJUSTED CLOSURE OF OUR RANDOM POINT TRAVERSE WAS 1 PART IN 60,000, AND WAS ACCOMPLISHED USING A TOPCON GT 503 TOTAL STATION, DURING THE MONTH OF FEBRUARY, 2024.

11.) SUBJECT PARCEL IS NOT WITHIN A FEDERALLY DESIGNATED SPECIAL FLOOD HAZARD ZONE (FLOOD HAZARD ZONE A – PANEL 0320E, MAP No. 33017C0340E, DATE: 9-30-2015).

12.) DURING THE MONTH OF MARCH, 2024 MICHAEL MARIANO, STATE OF NEW HAMPSHIRE CERTIFIED SOIL SCIENTIST #76, NH CERTIFIED WETLAND SCIENTIST #183, CONDUCTED AN ON-SITE WETLANDS DELINEATION OF THE SUBJECT PARCEL. WETLANDS WERE IDENTIFIED BASED ON THE CITY OF DOVER ZONING ORDINANCE (170-27.1) AND ON STATE & FEDERAL CRITERIA OUTLINED IN THE "CORPS OF ENGINEERS WETLANDS DELINEATION MANUAL" (DEPT. OF THE ARMY, 1987) ON THIS SITE, WETLANDS BASED ON LOCAL CRITERIA SHARE THE SAME BOUNDARIES WITH THOSE BASED ON STATE AND FEDERAL CRITERIA. NO WETLANDS WERE FOUND.

13.) BASIS OF BEARING: BEARING SYSTEM BASED ON GPS FIELD OBSERVATIONS ON FEBRUARY 16, 2024 USING TOPCON HIPER SR RECEIVERS AND OPUS CORRECTED ON FEBRUARY 19, 2024. DATUM BASED ON NEW HAMPSHIRE STATE PLANE COORDINATES SPC (2800 NH), (NAVD 88).

14.) LOCKE STREET (NOW KNOWN AS TRANQUILITY WAY) WAS CREATED BY "LAY OUT", BY THE DOVER CITY COUNSEL ON JULY 9, 1935 AND SHOWN ON SUBDIVISION PLAN BY W.S. WHEELER. THIS PART OF LOCKE STREET WAS NOT BUILT AND ABUTTING OWNERS OWN TO THE CENTER. NO FORMAL DISCONTINUANCE IS NEEDED PER LETTER OF THE CITY OF DOVER, DATED JUNE 12, 2001.

LEGEND

- REBAR WITH ID CAP TO BE SET
- UTILITY POLE
- SEWER MANHOLE
- DRAIN MANHOLE
- CATCH BASIN
- D — DRAIN LINE
- G — GAS LINE
- W — WATER LINE
- VINYL STOCKADE FENCE
- X — WOOD RAIL FENCE
- CHAIN LINK FENCE
- METAL RAIL FENCE
- SPECIMEN TREE
- ARBORVITAE

TRITECH
ENGINEERING CORPORATION
735 CENTRAL AVENUE
DOVER, NEW HAMPSHIRE 03820
TELEPHONE 603 742 8107
FAX 603 742 3690

ISSUED FOR TRC REVIEW
October 24, 2024

REVISIONS	DESCRIPTION:
DATE:	
9-12-24	REVISED PER TRC COMMENTS

LICENSED LAND SURVEYOR NO. 1084 ROBERT J. STONEWALL STATE OF NEW HAMPSHIRE SURVEYOR

EXISTING CONDITIONS PLAN

5 SHERMAN STREET LLC

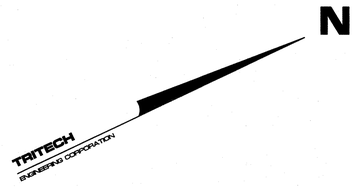
103 COURT STREET
DOVER, NEW HAMPSHIRE
STRAFFORD COUNTY

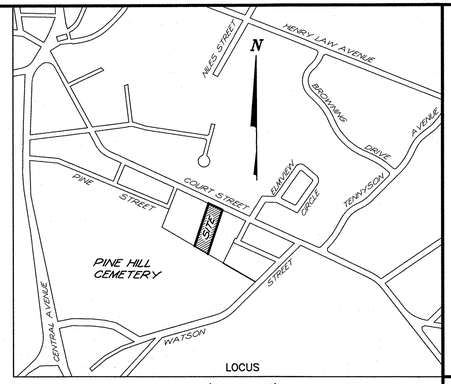
AUGUST 15, 2024 JOB No. 24101

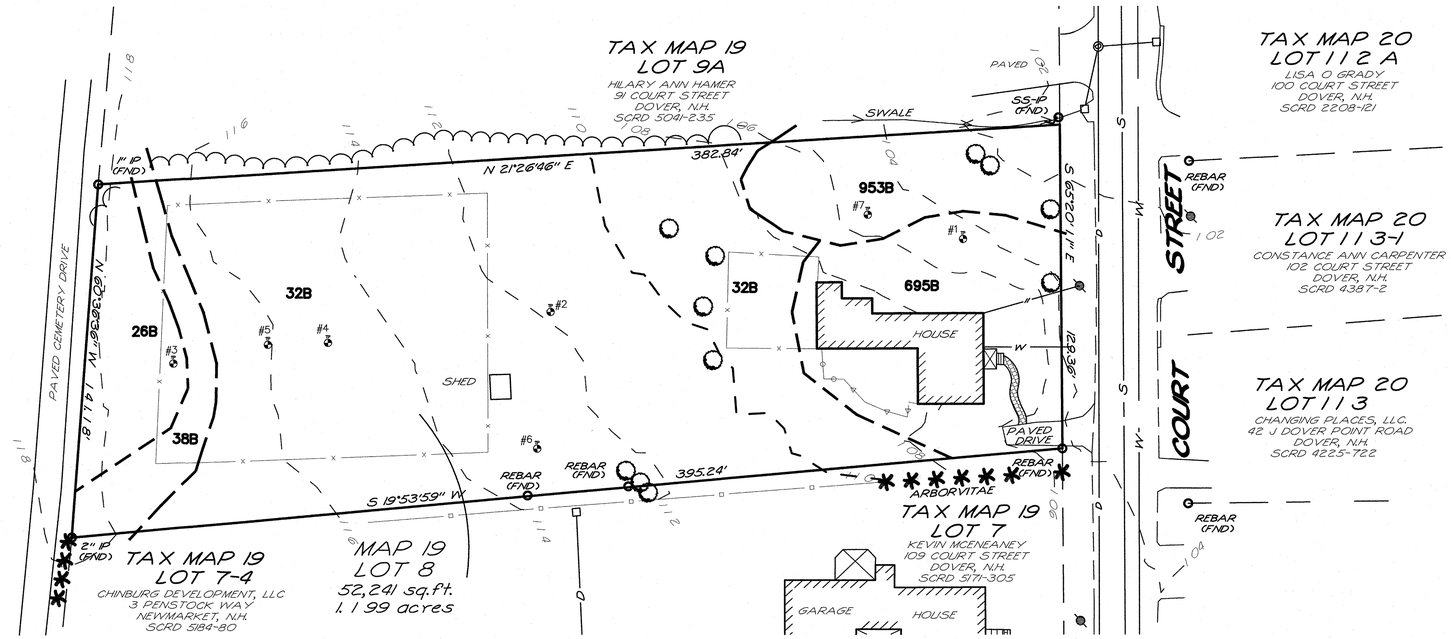
SCALE: 1" = 30'

SHEET No. **EX-1**

(P24-0012)







SOILS NOTES

1.) SITE-SPECIFIC SOIL MAPPING STANDARDS FOR NEW HAMPSHIRE AND VERMONT. SSSNNE SPECIAL PUBLICATION NO. 3, VERSION 7.0, JULY 2021. THIS MAP PRODUCT IS WITHIN THE TECHNICAL STANDARDS OF THE NATIONAL COOPERATIVE SOIL SURVEY. IT IS A SPECIAL PRODUCT, INTENDED FOR THE SUBMISSION TO NH DES ALTERATION OF TERRAIN. IT WAS PRODUCED BY A PROFESSIONAL SOIL SCIENTIST AND IS NOT A PRODUCT OF THE USDA NATURAL RESOURCE CONSERVATION SERVICE.

2.) WETLANDS WERE INVESTIGATED IN FEBRUARY 2024 BY MICHAEL MARIANO, NH CERTIFIED WETLAND SCIENTIST #183 IN ACCORDANCE WITH THE 1987 U.S. ARMY CORPS OF ENGINEERS WETLAND DELINEATION MANUAL AND THE 2012 REGIONAL SUPPLEMENT TO THE CORPS OF ENGINEERS WETLAND DELINEATION MANUAL: NORTHCENTRAL AND NORTHEAST REGION, VERSION 2.0. HYDRIC SOILS WERE IDENTIFIED BY FIELD INDICATORS FOR IDENTIFYING HYDRIC SOILS IN NEW ENGLAND, VERSION 4, MAY 2017. A ROUTINE DETERMINATION, AS DESCRIBED IN THE MANUAL, WAS FOLLOWED. NO WETLAND WERE FOUND.

TEST PITS WERE OBSERVED AND DESCRIBED IN FEBRUARY OF 2024.

LEGEND

26	WINDSOR
32	BOXFORD (MWD)
38	ELDRIDGE
695	BOXFORD (MWD) URBAN LAND COMPLEX
953	BOXFORD (SWPD)

SLOPE CLASS

A	0 - 3%
B	3 - 8%
C	8 - 15%

LEGEND

- REBAR WITH ID CAP TO BE SET
- UTILITY POLE
- SEWER MANHOLE
- DRAIN MANHOLE
- CATCH BASIN
- D — DRAIN LINE
- G — GAS LINE
- W — WATER LINE
- VINYL STOCKADE FENCE
- X — WOOD RAIL FENCE
- CHAIN LINK FENCE
- METAL RAIL FENCE
- SPECIMEN TREE
- ARBORVITAE

TRITECH
ENGINEERING CORPORATION
755 CENTRAL AVENUE
DOVER, NEW HAMPSHIRE 03820
TELEPHONE 603 742 8107
FAX 603 742 3839

ISSUED FOR TRC REVIEW
October 24, 2024

REVISIONS
DATE: DESCRIPTION:

STATE OF NEW HAMPSHIRE · SOIL SCIENTIST · MICHAEL MARIANO No. 76 · CERTIFIED

SITE SPECIFIC SOILS PLAN

103 COURT STREET

DOVER, NEW HAMPSHIRE
STRAFFORD COUNTY
AUGUST 15, 2024 JOB No. 2410 1
SCALE: 1" = 30'

SHEET No. SSS-1

(P24-)

DOVER SITE PLAN REVIEW NOTES:

INTENT: TO FURTHER DEVELOP TAX MAP 19 LOT 8. THIS DEVELOPMENT WILL INCLUDE THE CONVERSION OF THE EXISTING SINGLE FAMILY HOUSE INTO A DUPLEX AS WELL AS THE CONSTRUCTION OF AN ADDITIONAL DUPLEX STRUCTURE. BOTH OF THESE DUPLEXES (4 UNITS) WILL BE HUD RENT RESTRICTED AND WILL BE OBTAINED UNDER THE TRANSFER DEVELOPMENT RIGHTS (TDR) ORDINANCE. THE DEVELOPMENT WILL INCLUDE THE CONSTRUCTION OF 5 SINGLE FAMILY SIZE RESTRICTED HOMES. THESE HOMES WILL BE CONSTRUCTED UNDER THE TDR ORDINANCE. 3 BASE UNIT AND THE PURCHASE OF 2 SIZE RESTRICTED UNITS.

2. OWNERS OF RECORD: 5 SHERMAN STREET, LLC.
242 CENTRAL AVENUE
DOVER, N.H. 03820

3. THE PARCEL(S) IS (ARE) SHOWN AS:
LOT 8, MAP 19 OF THE CITY OF DOVER TAX ASSESSOR'S MAPS.

4. THE SUBJECT PARCEL(S) CONTAIN(S) 1.199 ACRES (52,241 SQ. FT.) OF LAND. 0 ACRES ARE CURRENTLY IN CURRENT USE.

5. TITLE REFERENCE FOR THE PROJECT PARCEL(S) IS THE STRAFFORD COUNTY REGISTRY OF DEEDS, BOOK NO. 5172, PAGE NO. 55.

6. REFERENCE PLANS:
SURVEYED MAY 1935, W.S.WHEELER, CE., DOVER, N.H., SCRD PO #10 FO #2 PLAN 11 & 12
LIMITED SUBDIVISION, CECIL TAYLOR, DOVER, N.H., FREDERICK E. DREW ASSOCIATES, JULY 1977, SCRD 17-112
PROPERTY SURVEY, 109 COURT STREET, DOVER, STRAFFORD COUNTY, NEW HAMPSHIRE, JOANNE RICHARD LIVING REVOCABLE TRUST, STONEWALL SURVEYING, AUGUST 1, 2023, SCRD #13011

7. ALL APPLICABLE RIGHT-OF-WAY, CONSERVATION, SLOPE, CONSTRUCTION, POWER LINE, CROSS TRAVEL, OR OTHER EASEMENTS SHALL BE REFERENCED IN A NOTE AND SHOWN ON THE PLAN.

8. CURRENT ZONING DIMENSIONAL AND DENSITY REQUIREMENTS:
ZONING DISTRICT: R-12
SUB-DISTRICT: NONE
ZONING OVERLAY DISTRICTS: NONE
DIMENSIONAL REQUIREMENTS:

	REQUIRED:	PROVIDED:
MINIMUM LOT SIZE:	12,000 ACRES (SQ. FT.)	52,241 SQ.FT. 1.199 ACRES (SQ. FT.)
MINIMUM LOT FRONTAGE:	100 FT.	129.36 FT.
MINIMUM YARD SETBACKS/BUILD-TO-LINES:		
FRONT	15 TO 25 FT.	15 TO 25 FT.
SIDE	15 FT.	15 FT.
REAR	30 FT.	30 FT.
ABUT-A-STREET	15 TO 25 FT.	15 TO 25 FT.
MAXIMUM/MINIMUM LOT COVERAGE	30 %	10 %
MINIMUM/MAXIMUM BLDG. HEIGHT	35 FT./STORIES	35 FT./STORIES

9. OFF STREET PARKING REQUIREMENTS:

PARKING DIMENSIONS: MAXIMUM: 9 x18 FT PROVIDED:9x18 FT		
AISLE DIMENSIONS:	24 FT	20FT
MAXIMUM PARKING ALLOWED	17	17
ACCESSIBLE PARKING:	1	1

10. SEE SHEET SP-1 FOR TDR BASE DENSITY CALCULATIONS THAT DETERMINE A BASE DENSITY OF 3 UNITS. THE PROJECT CONTAINS A TOTAL OF 9 UNITS. THE 2 DUPLEX STRUCTURES (4 UNITS) WILL BE OBTAINED BY TDR AND WILL BE FMR SET BY HUD. THE 5 SINGLE FAMILY HOMES WILL BE SIZE RESTRICTED TO 1,400 SQ.FT. OF GROSS LIVING AREA PER UNIT. 3 OF THESE UNITS ARE THE BASE UNITS AND 2 UNITS WILL BE OBTAINED BY TDR.

11. VARIANCES OR SPECIAL EXCEPTIONS GRANTED BY THE ZONING BOARD OF ADJUSTMENT INCLUDING THE CASE NUMBER AND DATE OF DECISION AND ANY CONDITIONS ARE AS FOLLOWS: NONE GRANTED

12. CONDITIONAL USE PERMITS GRANTED BY THE PLANNING BOARD FOR THE PROPOSED USE OR STRUCTURE, INCLUDING THE CASE NUMBER AND DATE OF DECISION AND ANY CONDITIONS ARE AS FOLLOWS: NONE GRANTED

13. PROPERTY LINE INFORMATION HAS BEEN OBTAINED FROM A SURVEY PERFORMED BY TRITECH ENGINEERING CORPORATION ON AUGUST 8, 2024 WITH AN ERROR NOT GREATER THAN 1 IN 10,000 .

14. AS-BUILT PLANS OF THE PROJECT SHALL BE SUBMITTED ON PAPER AND IN DIGITAL FORMAT AUTOCAD DWG, AUTOCAD DXF OR ESRI FORMAT TO THE CITY OF DOVER CITY ENGINEER'S OFFICE UPON COMPLETION OF PROJECT. AS-BUILT PLANS SHALL BE PREPARED AND CERTIFIED CORRECT BY A L.L.S. OR P.E. DIGITAL FILES SHALL BE GEO-REFERENCED TO NEW HAMPSHIRE STATE PLANE COORDINATES NAD83 AND SHALL BE EXPRESSED IN FEET.

15. SUBJECT PARCEL IS NOT LOCATED WITHIN A FEDERALLY DESIGNATED FLOOD HAZARD AREA COMMUNITY PANEL 33017C0340E, EFFECTIVE DATE: 9-30-2015.

16. TOPOGRAPHIC SURVEY PERFORMED BY TRITECH ENGINEERING CORPORATION IN FEBRUARY, 2024.

17. ELEVATIONS ARE BASED ON U.S.G.S. NVD 1988 DATUM.

18. WETLANDS WERE DELINEATED BY MICHAEL MARIANO, CERTIFIED WETLANDS SCIENTIST, CERTIFICATION NUMBER 183, IN ACCORDANCE WITH CHAPTER 170-27.1 OF THE ZONING ORDINANCE, MARCH, 2024. NO WETLANDS WERE OBSERVED.

19. THE INSTALLATION OF ELECTRIC POWER, CABLE TELEVISION AND TELEPHONE LINES SHALL BE UNDERGROUND THROUGHOUT THE SITE FOR WHICH DEVELOPMENT IS PROPOSED.

20. THE SUBJECT PARCEL IS SERVED BY MUNICIPAL WATER AND MUNICIPAL SEWER.

21. ALL CONSTRUCTION SHALL CONFORM WITH THE STATE OF NEW HAMPSHIRE DEPARTMENT OF TRANSPORTATION (NHDOT)STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTIONAND WITH THE CITY OF DOVER COMMUNITY SERVICES REGULATIONS AND STANDARD SPECIFICATION FOR CONSTRUCTION. THE MORE STRINGENT SPECIFICATION SHALL APPLY.

22. CONTRACTOR SHALL FOLLOW TO THE CONSTRUCTION SEQUENCING IDENTIFIED WITHIN THE PLANNING BOARD APPROVED PLAN SET. ANY DEVIATION FROM THAT SEQUENCING SHALL BE APPROVED BY THE CITY ENGINEER.

23. EROSION CONTROL MEASURES SHALL BE INSTALLED PRIOR TO ANY EARTH DISTURBANCE AND BE PROVIDED FOR CONSTRUCTION SEQUENCING INCLUDING TEMPORARY MEASURES.

24. CONTRACTOR SHALL FOLLOW THE PERMANENT STABILIZATION MEASURES SUCH AS LOAM SPREAD RATE FOR DISTURBED AREAS, RATES OF LIME, TYPE AND RATES FOR FERTILIZER, AND SEED AND MULCH MIXTURE WITH RATES OF APPLICATION AS NOTED WITHIN THE PLANNING BOARD APPROVED PLANS. ANY DEVIATION FROM THAT SEQUENCING SHALL BE APPROVED BY THE CITY ENGINEER.

25. THE LIMITS OF CONSTRUCTION DISTURBANCE THAT ARE LOCATED IN OR WITHIN THE 50 FT. OF CONSERVATION AND WETLAND DISTRICTS SHALL BE STAKED, FLAGGED AND CLEARLY IDENTIFIED PRIOR ANY EARTH DISTURBING ACTIVITY OCCURS.

26. ANY PERMANENT TREATMENT SWALES TO BE CONSTRUCTED SHALL HAVE SOD BOTTOMS.

27. A LETTER OF CREDIT FOR THE COST OF REVEGETATING ALL DISTURBED AREAS ON THE SITE SHALL BE SUBMITTED PRIOR TO COMMENCING EARTH DISTURBANCE.

28. A CITY ENGINEER APPROVED CONSTRUCTION SIGN SHALL BE INSTALLED PRIOR TO COMMENCING EARTH DISTURBANCE. SAID SIGNAGE MUST BE LOCATED AND APPROVED BY THE CITY ENGINEER OR PLANNING DIRECTOR.

29. A PRE-CONSTRUCTION CONFERENCE WITH THE DEVELOPER, THE DESIGN ENGINEER, THE EARTHWORK CONTRACTOR AND THE CITY ENGINEER SHALL OCCUR PRIOR TO ANY EARTH DISTURBING ACTIVITY.

30. HOURS OF SITE WORK MUST BE DOCUMENTED ON A SITE CONSTRUCTION SIGN ALONG WITH THE CONTACT INFORMATION FOR THE GENERAL CONTRACTOR. SITE CONSTRUCTION HOURS SHALL BE LIMITED TO MONDAY-FRIDAY 7 AM-6 PM, NO SATURDAY OR SUNDAY HOURS. NO SITE WORK SHALL BE DONE ON FEDERAL HOLIDAYS.

31. BUILDING ADDRESSES, INCLUDING APT AND UNIT NUMBERS (IF APPLICABLE), SHALL BE ASSIGNED BY THE BUILDING OFFICIAL AT THE TIME OF ISSUANCE OF A BUILDING PERMIT.

32. THE PROPOSED USE FOR THE SITE IS RESIDENTIAL.

33. THE FOLLOWING FEDERAL AND STATE PERMITS HAVE BEEN ISSUED FOR THE SUBJECT PROPERTY: NONE

34. COMMERCIAL VEHICLE ROUTE DURING CONSTRUCTION SHALL CONFORM TO THE DOVER CITY CODE OR BE COORDINATED WITH THE COMMUNITY SERVICES DIRECTOR OR THEIR DESIGNEE.

35. ANY RETAINING WALL TALLER THAN FOUR FEET (4') REQUIRES ISSUANCE OF A BUILDING PERMIT FROM THE CITY OF DOVER INSPECTION SERVICES.

36. ANY FENCE TALLER THAN SEVEN FEET (7') REQUIRES THE ISSUANCE OF A BUILDING PERMIT FROM THE CITY OF DOVER INSPECTION SERVICES.

37. APPLICANT SHALL COMPLETE LAND USE DEVELOPMENT TRACKING FORM, MOST RECENTLY REVISED VERSION, UTILIZING THE ONLINE POLLUTION TRACKING AND ACCOUNTING PROJECT (PTAP) PORTAL PRIOR TO THE ISSUANCE OF A CERTIFICATE OF OCCUPANCY. HTTPS://EXTENSION.UNH.EDU/STORMWATER-CENTER/PTAP

38. THE OWNER OF RECORD SHALL RECORD, AT THE REGISTRY OF DEEDS, DOCUMENTATION SUFFICIENT TO PROVIDE NOTICE TO ALL PERSONS/ENTITIES THAT MAY ACQUIRE ANY PROPERTY SUBJECT TO THE REQUIREMENTS AND RESPONSIBILITIES DESCRIBED IN THE APPROVED STORMWATER MANAGEMENT PLAN. THE NOTICE SHALL COMPLY WITH THE APPLICABLE REQUIREMENTS FOR RECORDING CONTAINED IN RSA 477 AND 478. THE NOTICE NEED NOT SET FORTH THE REQUIREMENTS AT LENGTH, SO LONG AS IT IS SUFFICIENT TO PROVIDE NOTICE TO PROSPECTIVE PURCHASERS TO THE REQUIREMENTS FOR MAINTENANCE AND REPORTING.

39. FIRE DEPARTMENT ACCESS ROAD(S) SHALL BE INSTALLED AND MAINTAINED, IN ACCORDANCE WITH ALL APPLICABLE CODES, TO SUPPORT THE IMPOSED LOADS OF FIRE APPARATUS IN ALL WEATHER CONDITIONS AT ALL TIMES.

40. EXTERIOR LIGHTING SHALL BE CUT-OFF TYPE FIXTURES PER CHAPTER 153-14-E AND SHALL PROVIDE LIGHTING DIRECTED ON-SITE ONLY.

41. IF A BUSINESS ESTABLISHMENT OR MULTI-FAMILY DWELLING CONTAINED IN A NEW, ALTERED OR REPAIRED STRUCTURE, A SECURITY SYSTEM SHALL BE INSTALLED AS REQUIRED BY CHAPTER 45, ARTICLE I, SECTION 45-2 OF THE CODE OF THE CITY OF DOVER. (SECURITY SYSTEM IS NOT APPLICABLE FOR THIS PROJECT).

42. APPROVED BACKFLOW PREVENTERS SHALL BE PROVIDED FOR BOTH FIRE AND DOMESTIC WATER LINES.

43. THE EXISTING AND PROPOSED STRUCTURE SHALL BE SERVED BY A SPRINKLER SYSTEM, AS REQUIRED, BY CHAPTER 81- 30 OF THE CODE OF THE CITY OF DOVER AND THE ADOPTED STATE OF NH BUILDING AND FIRE CODES.

44. SPRINKLER CONNECTIONS MUST BE FLUSHED IN ACCORDANCE WITH NFPA 24 AND A CONTRACTOR'S MATERIAL AND TEST CERTIFICATE FOR UNDERGROUND PIPING FORM MUST BE COMPLETED AND APPROVED BY THE CITY OF DOVER INSPECTION SERVICES PRIOR TO CONNECTION OF THE BACKFLOW DEVICE.

45. FIRE DEPARTMENT CONNECTION(S) SHALL BE LOCATED ON THE STREET SIDE OF THE BUILDING PER NFPA 13. ACCESS TO THE FDC SHALL MAINTAIN A CLEAR AND UNOBSTRUCTED PATH AT ALL TIMES.

46. THE SITE LAYOUT IS DESIGNED IN COMPLIANCE WITH APPLICABLE ACCESSIBILITY REGULATIONS. THE PROPOSED STRUCTURE WILL BE ALSO BE DESIGNED IN ACCORDANCE WITH APPLICABLE ACCESSIBILITY REGULATIONS. (I.E. IBC, ANSI-117.1) AND NH RSA 155-A:5.

47. APPLICANT SHALL SUBMIT A LETTER CERTIFYING THE TIE IN LOCATIONS OR DISCHARGE POINTS FOR ALL SUMP PUMPS AND ROOF LEADERS FOR EXISTING STRUCTURES ON THE PROPERTY PRIOR TO ISSUANCE OF A CERTIFICATE OF OCCUPANCY.

48. DESIGN ENGINEER OF RECORD OR SHALL PROVIDE SIGNED LETTER TO CITY ENGINEER CERTIFYING THAT THE STORMWATER MANAGEMENT SYSTEM HAS BEEN INSTALLED IN ACCORDANCE WITH APPROVED PLANS.

49. THE APPLICANT SHALL PROVIDE THE CITY OF DOVER AN EASEMENT TO ACCESS WATERLINE AND HYDRANTS TO MAINTAIN WATER QUALITY PRIOR TO ISSUANCE OF A CERTIFICATE OF OCCUPANCY.

LEGEND

- WETLAND
- WETLAND BOUNDARY
- IRON PIPE
- UTILITY POLE
- TEST PIT
- EXISTING STREET LIGHT
- EXISTING STONE WALL
- EXISTING 2 FOOT CONTOUR (156)
- EXISTING 10 FT CONTOUR (160)
- EXISTING GAS LINE
- EXISTING WATER LINE OR SERVICE (W)
- EXISTING WATER SHUTOFF
- EXISTING WATER GATE VALVE
- PROPOSED PROPERTY LINE
- PROPOSED EDGE OF PAVEMENT
- PROPOSED EDGE OF GRAVEL
- PROPOSED CONTOUR (200)
- PROPOSED HYDRANT
- PROPOSED END CAP WITH THRUST BLOCK
- PROPOSED WATER GATE VALVE
- PROPOSED WATER SHUT-OFF
- PROPOSED WATER LINE OR SERVICE (W)
- PROPOSED VINYL STOCKADE FENCE
- PROPOSED UNDERGROUND ELECTRIC & TELEPHONE (UE&T)
- PROPOSED OVERHEAD ELECTRIC & TELEPHONE (OE)
- PROPOSED ELECTRICAL TRANSFORMER
- PROPOSED ELECTRICAL JUNCTION BOX
- PROPOSED STREET LIGHT
- PROPOSED UTILITY POLE
- PROPOSED DRAIN LINE (D)
- PROPOSED CATCH BASIN
- PROPOSED DMH
- PROPOSED UNDERDRAIN LINE (UD)
- PROPOSED FLARED END SECTION
- PROPOSED RIP RAP
- PROPOSED EASEMENT
- PROPOSED GUARDRAIL
- PROPOSED SILT FENCE OR SILT SOCK
- PROPOSED CONSTRUCTION FENCE
- PROPOSED SILT SOCK WITH ORANGE CONSTRUCTION FENCE OR ORANGE SILT FENCE
- PROPOSED STREET SIGN
- PROPOSED STOP SIGN
- PROPOSED STOP BAR
- PROPOSED STREET TREE
- PROPOSED TREELINE

TRITECH
ENGINEERING CORPORATION
735 CENTRAL AVENUE
DOVER, NEW HAMPSHIRE 03820
TELEPHONE 603 742 8107
FAX 603 742 3630

ISSUED FOR TRC REVIEW
October 24, 2024

REVISIONS	
DATE:	DESCRIPTION:
9-12-24	REVISED PER TRC COMMENTS

STANDARD NOTES PLAN

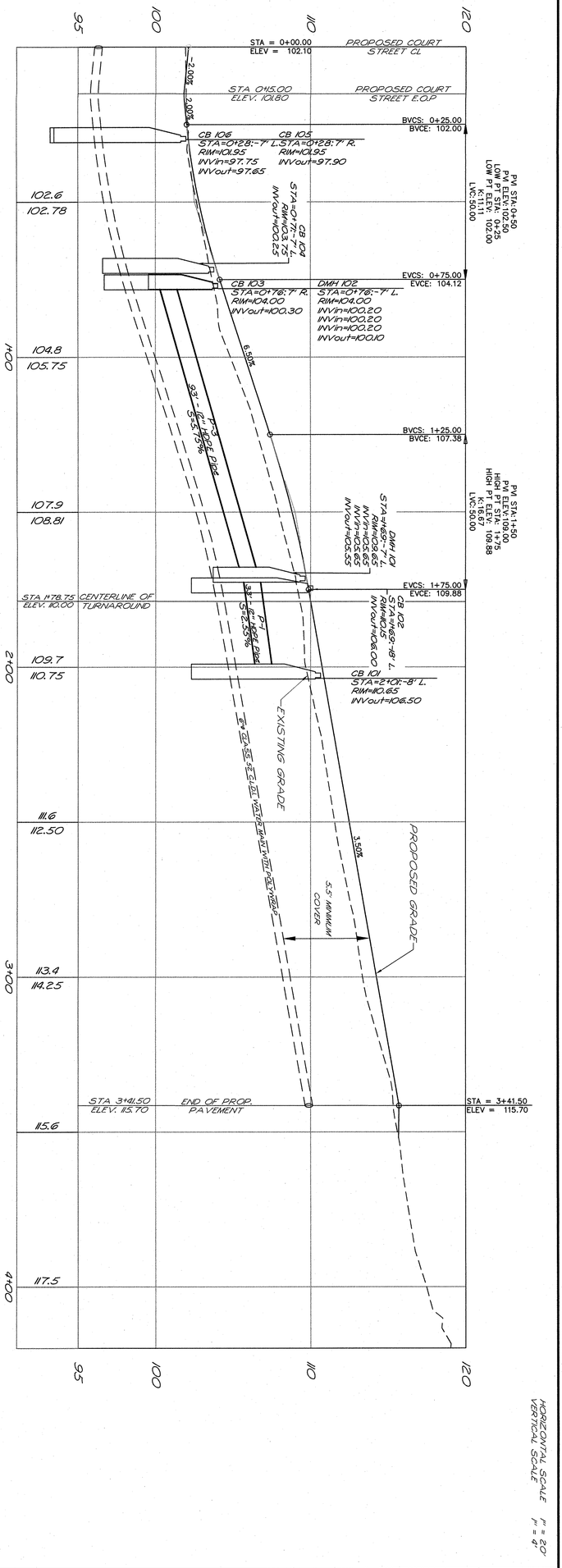
103 COURT STREET

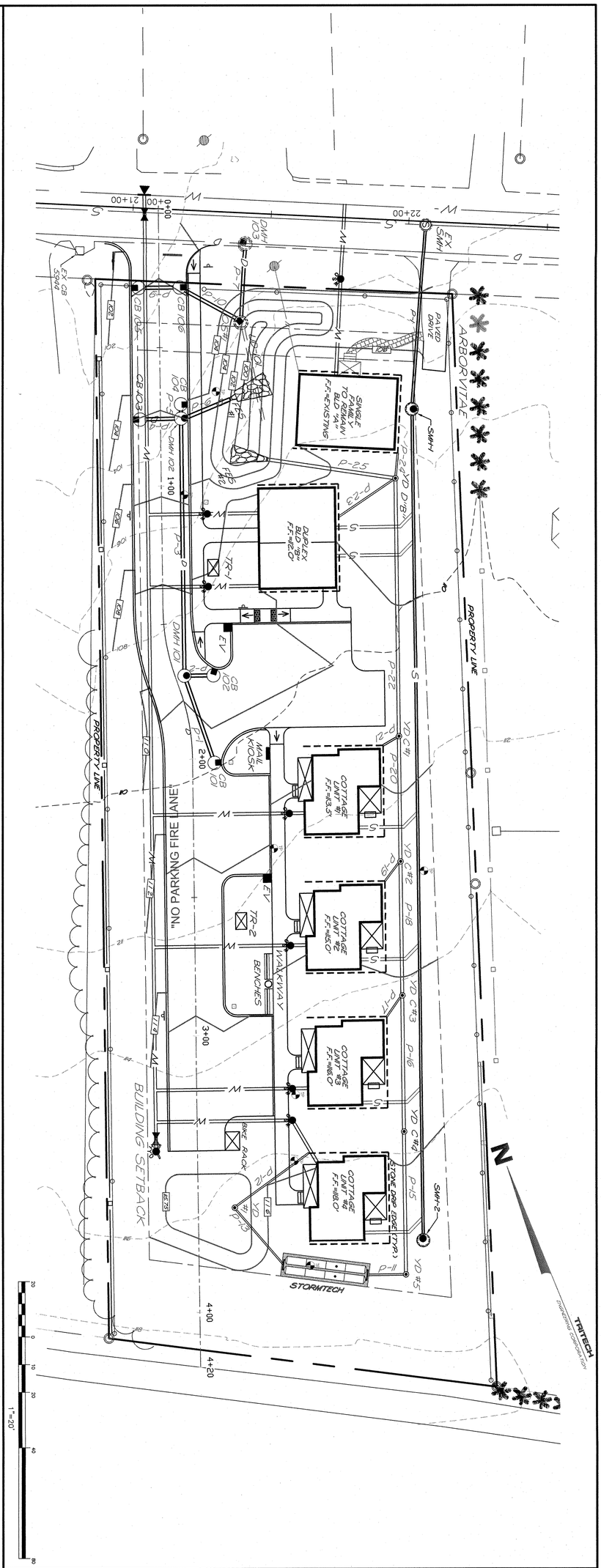
103 COURT STREET
DOVER, NEW HAMPSHIRE
STRAFFORD COUNTY
AUGUST 15, 2024
JOB No. 2410

SHEET No.

SN-1

(P24-0012)





SHEET No.

C-1

ROADWAY PLAN & PROFILE

103 COURT STREET

103 COURT STREET
DOVER, NEW HAMPSHIRE
STRAFFORD COUNTY

OCTOBER 11, 2024 JOB No. 24101

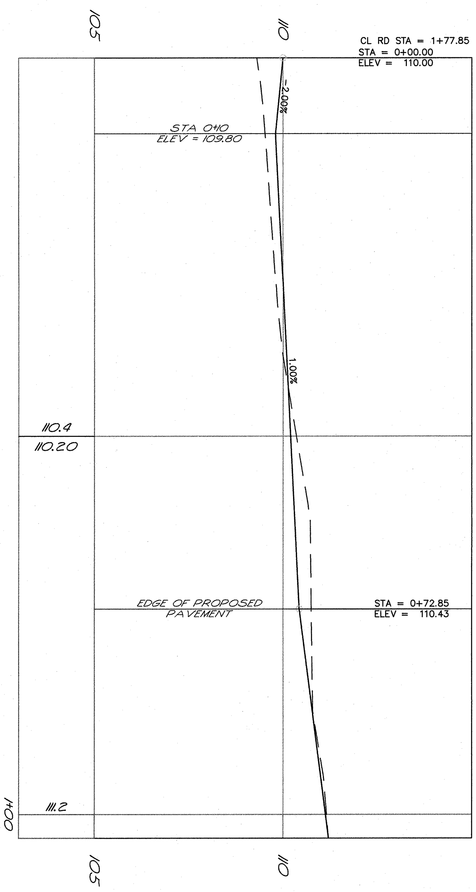
ISSUED FOR TRC REVIEW
October 24, 2024

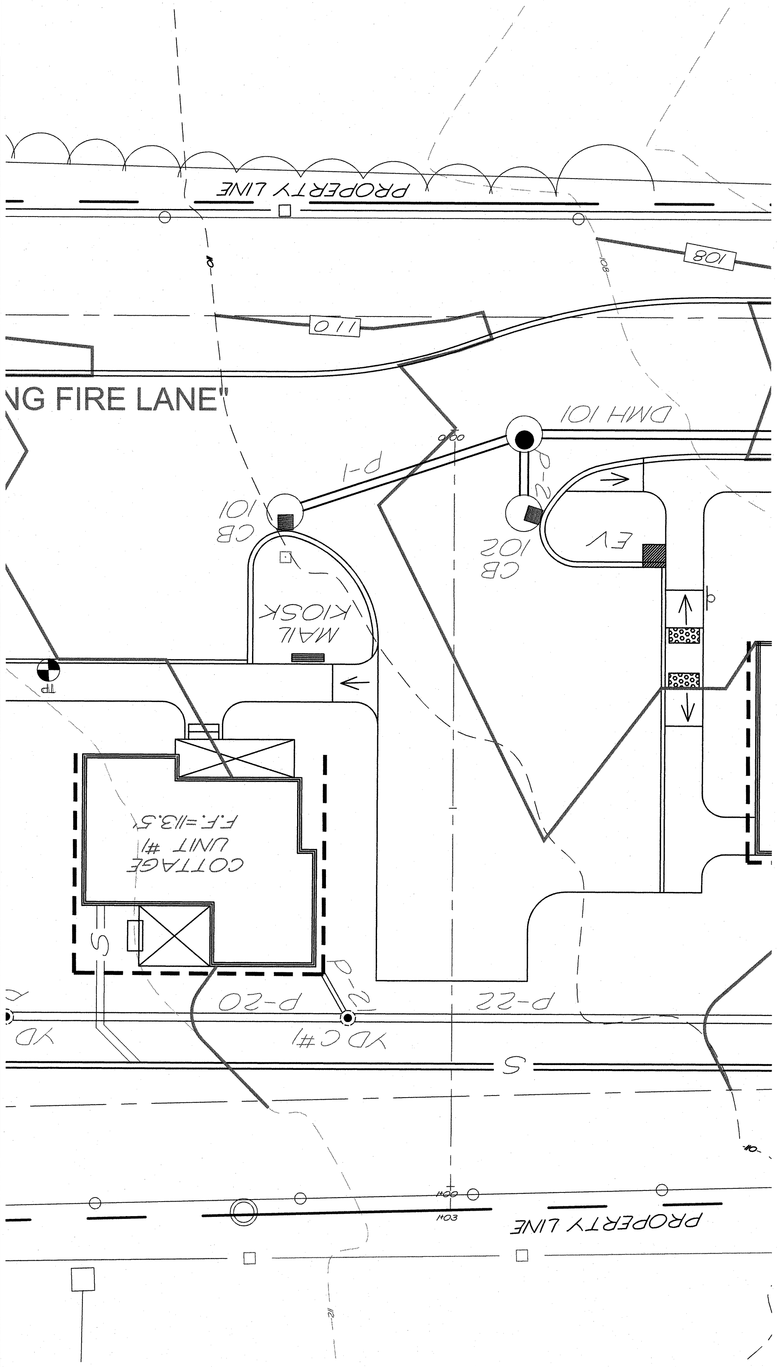
STATE OF NEW HAMPSHIRE — ROBERT J. STOWELL No. 9903 — LICENSED PROFESSIONAL ENGINEER

REVISIONS	
DATE:	DESCRIPTION:
9-12-24	REVISED PER TRC COMMENTS
10-21-24	REVISED PER TRC COMMENTS

TRITECH
ENGINEERING CORPORATION
755 CENTRAL AVENUE
DOVER, NEW HAMPSHIRE 03820
TELEPHONE 603 742 8107
FAX 603 742 3630

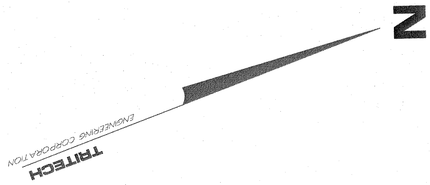
(P24-002)







HORIZONTAL SCALE 1" = 10'
VERTICAL SCALE 1" = 2'



SHEET No.

C-2

ROADWAY PLAN & PROFILE

103 COURT STREET

103 COURT STREET
DOVER, NEW HAMPSHIRE
STRAFFORD COUNTY

AUGUST 15, 2024 JOB No. 24101

ISSUED FOR TRC REVIEW
October 24, 2024

ROBERT J. STOWELL No. 9903 LICENSED PROFESSIONAL ENGINEER STATE OF NEW HAMPSHIRE

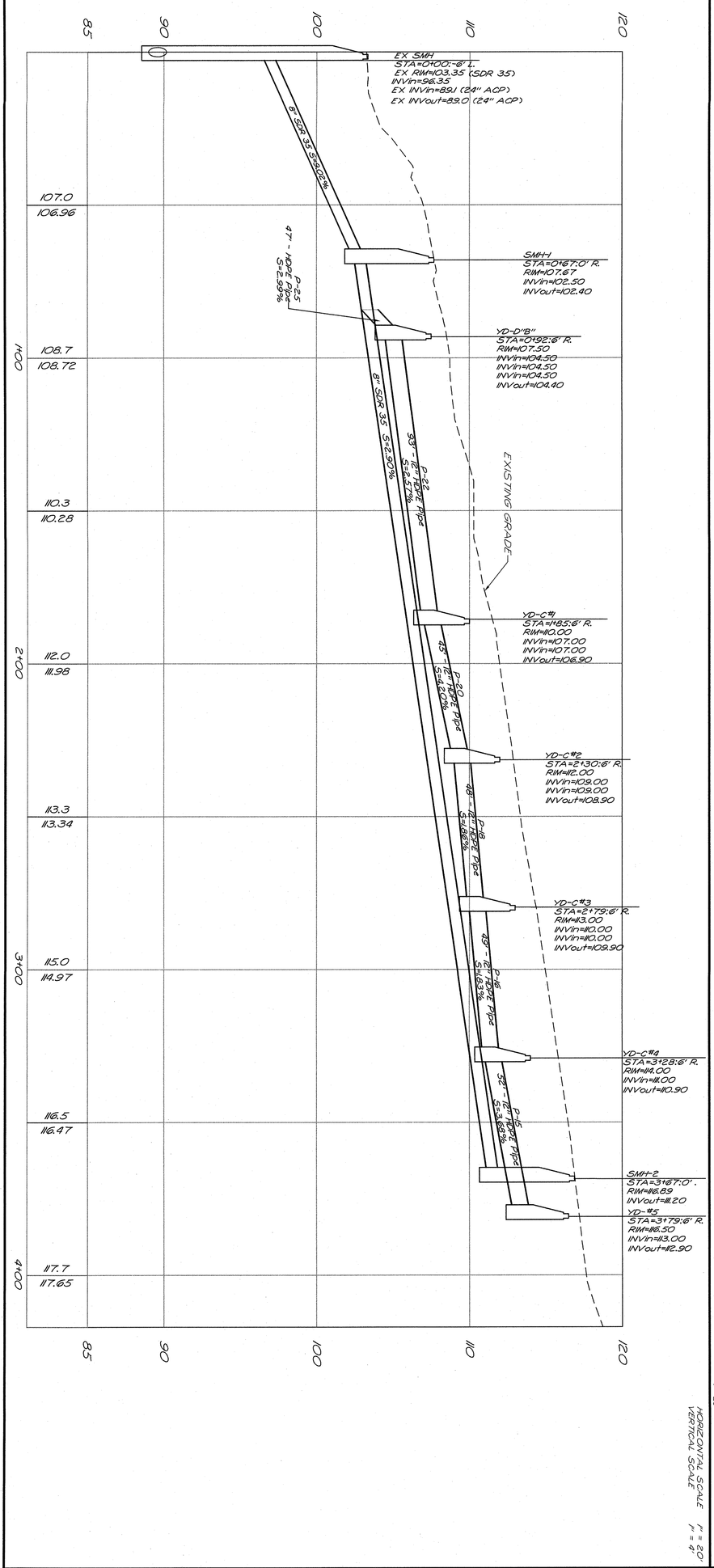
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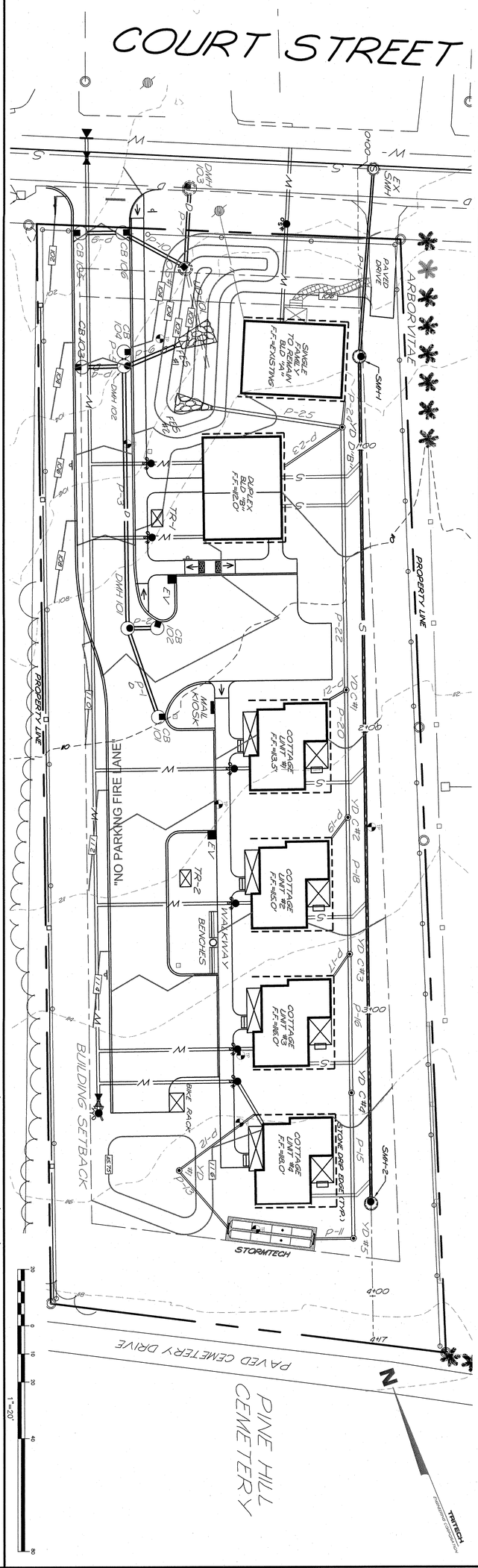
TRITECH
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DOVER, NEW HAMPSHIRE 03820

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(24-002)





SHEET No.

C-3

CROSS COUNTRY UTILITIES PLAN & PROFILE

103 COURT STREET

103 COURT STREET
DOVER, NEW HAMPSHIRE
STRAFFORD COUNTY

AUGUST 15, 2024 JOB No. 24101

ISSUED FOR TRC REVIEW
October 24, 2024

STATE OF NEW HAMPSHIRE
ROBERT J. STOWELL
No. 9903
LICENSED PROFESSIONAL ENGINEER

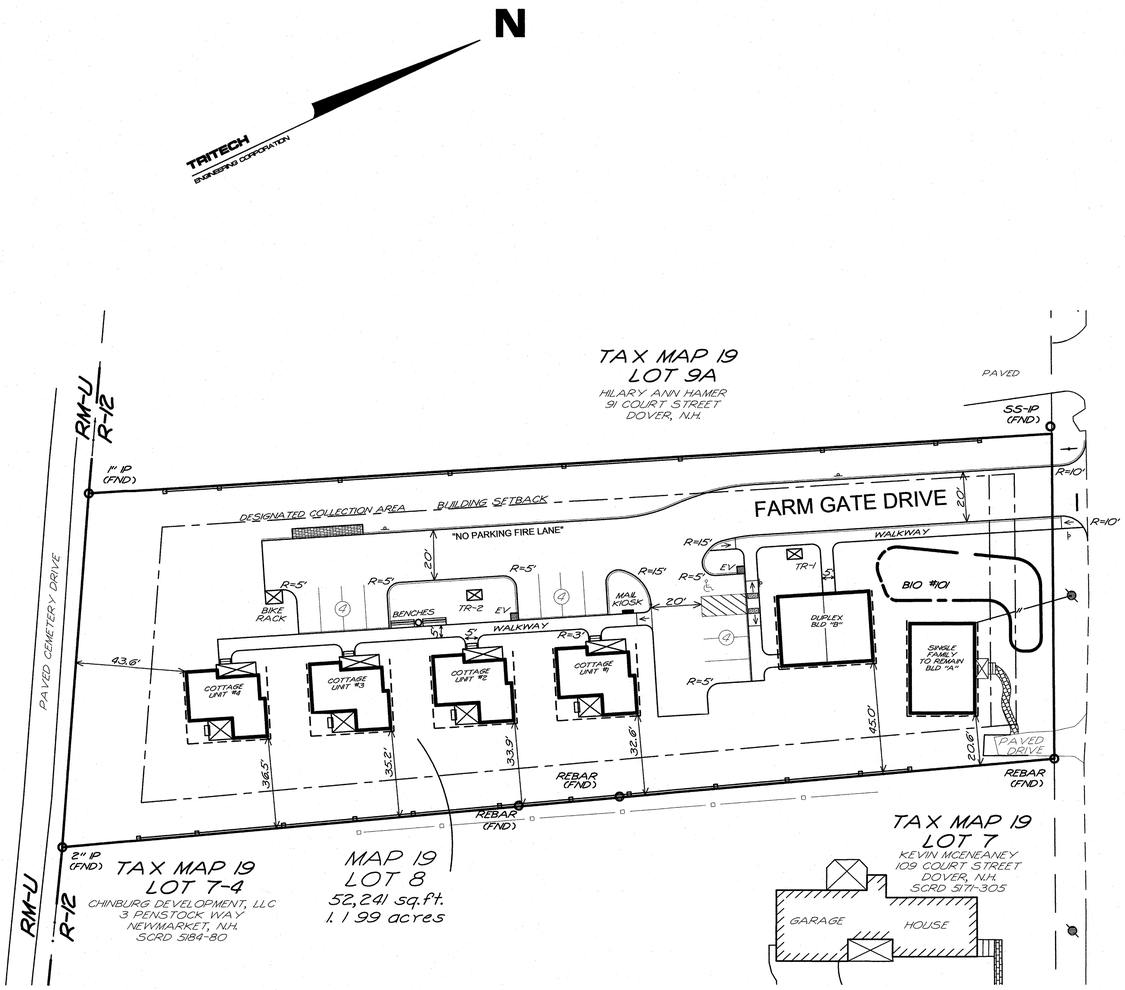
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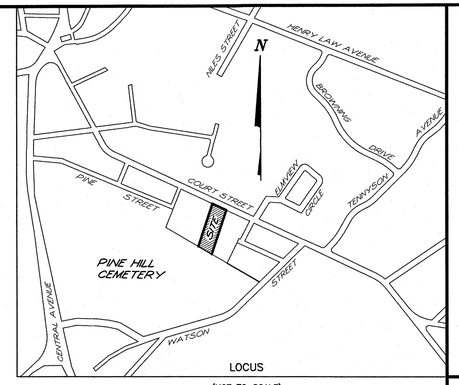
TRITECH
ENGINEERING CORPORATION

755 CENTRAL AVENUE
DOVER, NEW HAMPSHIRE 03820

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(P24-0012)





(NOT TO SCALE)

NOTES

1.) INTENT: TO FURTHER DEVELOP TAX MAP 19 LOT 8. THIS DEVELOPMENT WILL INCLUDE THE RENOVATION OF THE EXISTING SINGLE FAMILY HOUSE. AS WELL AS THE CONSTRUCTION OF AN ADDITIONAL DUPLEX STRUCTURE. THE DUPLEX (2 UNITS) WILL BE HUD RENT RESTRICTED AND WILL BE OBTAINED UNDER THE TRANSFER DEVELOPMENT RIGHTS (TDR) ORDINANCE. THE DEVELOPMENT WILL INCLUDE THE CONSTRUCTION OF 4 SINGLE FAMILY SIZE RESTRICTED HOMES. THESE HOMES WILL BE CONSTRUCTED UNDER THE TDR ORDINANCE. 2 BASE UNITS AND THE PURCHASE OF 2 SIZE RESTRICTED UNITS.

2.) CURRENT OWNER: 5 SHERMAN STREET LLC
242 CENTRAL AVENUE
DOVER, N.H.

AUTHORIZED SIGNATURE

3.) TAX MAP 19 LOT 8.

4.) TOTAL LOT AREA: 52,241 SQ.FT. – 1.199 ACRES

5.) PROJECT DEED REFERENCE: BOOK 5172 PAGE 55

6.) PROJECT PLAN REFERENCE: SURVEYED MAY 1935
W.S. WHEELER, CE
DOVER, N.H.
SCRD
POCKET #10, FOLDER #2, PLAN #11 & 12

LIMITED SUBDIVISION
CECIL TAYLOR
DOVER, N.H.
FREDERICK E. DREW ASSOCIATES
JULY 1977 SCRD 17-112

PROPERTY SURVEY
109 COURT STREET, DOVER
STRAFFORD COUNTY, NEW HAMPSHIRE
JOANNE RICHARD LIVING REVOCABLE TRUST
STONEWALL SURVEYING
AUGUST 1, 2023 SCRD #13011

7.) ALL APPLICABLE RIGHT-OF-WAY, CONSERVATION, SLOPE, CONSTRUCTION, POWER LINE, CROSS TRUST OR OTHER EASEMENTS HAVE BEEN REFERENCED IN A NOTE.

8.) ZONING: R-12
MIN. LOT SIZE: 12,000 SQ.FT.
MIN. FRONTAGE: 100 FT
MIN. SETBACKS:
FRONT: 15 FT TO 25 FT
SIDE: 15 FT
REAR: 30 FT
MAX. COVERAGE: 30 %

9.) VARIANCES, SPECIAL EXCEPTIONS, CONDITIONAL USE PERMITS: NONE

10.) THE RAW UNADJUSTED CLOSURE OF OUR RANDOM POINT TRAVERSE WAS 1 PART IN 60,000, AND WAS ACCOMPLISHED USING A TOPCON GT 503 TOTAL STATION, DURING THE MONTH OF FEBRUARY, 2024.

11.) SUBJECT PARCEL IS NOT WITHIN A FEDERALLY DESIGNATED SPECIAL FLOOD HAZARD ZONE (FLOOD HAZARD ZONE A – PANEL 0320E, MAP No. 33017C0340E, DATE: 9-30-2015).

12.) DURING THE MONTH OF MARCH, 2024 MICHAEL MARIANO, STATE OF NEW HAMPSHIRE CERTIFIED SOIL SCIENTIST #76, NH CERTIFIED WETLAND SCIENTIST #183, CONDUCTED AN ON-SITE WETLANDS DELINEATION OF THE SUBJECT PARCEL. WETLANDS WERE IDENTIFIED BASED ON THE CITY OF DOVER ZONING ORDINANCE (170-27.1) AND ON STATE & FEDERAL CRITERIA OUTLINED IN THE "CORPS OF ENGINEERS WETLANDS DELINEATION MANUAL" (DEPT. OF THE ARMY, 1987) ON THIS SITE. WETLANDS BASED ON LOCAL CRITERIA SHARE THE SAME BOUNDARIES WITH THOSE BASED ON STATE AND FEDERAL CRITERIA. NO WETLANDS WERE FOUND.

13.) BASIS OF BEARING: BEARING SYSTEM BASED ON GPS FIELD OBSERVATIONS ON FEBRUARY 16, 2024 USING TOPCON HIPER SR RECEIVERS AND OPUS CORRECTED ON FEBRUARY 19, 2024. DATUM BASED ON NEW HAMPSHIRE STATE PLANE COORDINATES SPC (2800 NH), (NAVD 88).

TDR BASE DENSITY CALCULATIONS

TOTAL AREA	=	52,241 SQ.FT.
LESS WETLANDS	=	<0> SQ.FT.
UPLAND AREA	=	52,241 SQ.FT.
LESS ROAD ALLOCATION (15%)	=	<7,836> SQ.FT.
NET AREA	=	44,405 SQ.FT.
LESS WETLAND FACTOR FOR 0% WETLANDS (85%)		<6,661> SQ.FT.
AREA	=	37,744 SQ.FT.
12,000 SQ.FT. PER UNIT REQUIRED IN THE R-12 DISTRICT	÷	12,000
BASE TDR DENSITY	=	3.14 UNITS
ROUNDED DOWN TO	=	3 UNITS

TRITECH
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755 CENTRAL AVENUE
DOVER, NEW HAMPSHIRE 03820
TELEPHONE 603 742 8107
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October 24, 2024

REVISIONS	DESCRIPTION:
DATE:	
9-12-24	REVISED PER TRC COMMENTS
10-24-24	REVISED PER TRC COMMENTS

ROBERT STOWELL No. 9903 LICENSED PROFESSIONAL LAND SURVEYOR STATE OF NEW HAMPSHIRE

GENERAL SITE PLAN

103 COURT STREET

103 COURT STREET
DOVER, NEW HAMPSHIRE
STRAFFORD COUNTY

SEPTEMBER 30, 2024 JOB No. 2410

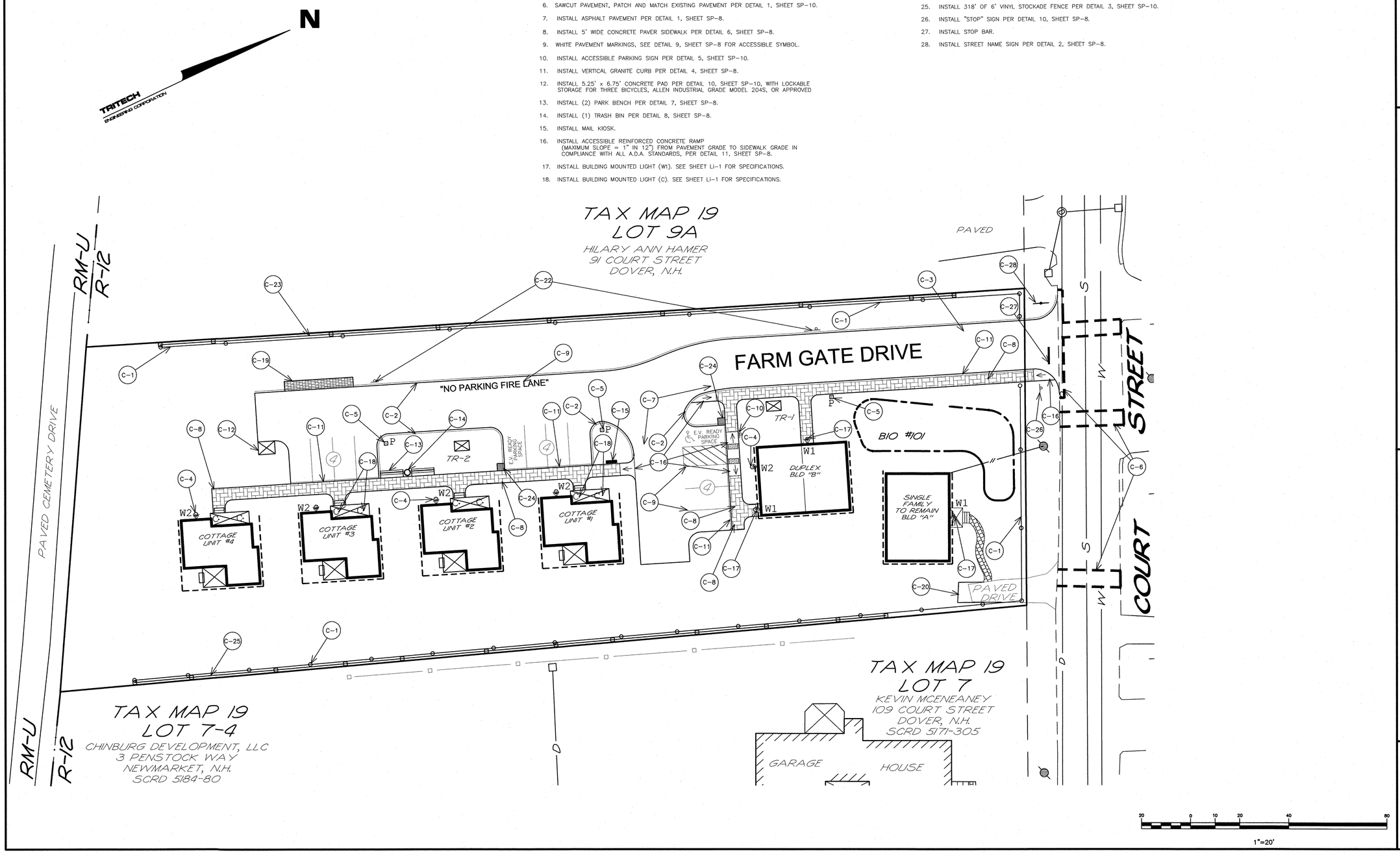
SCALE: 1" = 30'

SHEET No. SP-1

(P24-0012)

C-1 CONSTRUCTION NOTES:

1. INSTALL EROSION CONTROL MEASURE. "SILT FENCE" PER DETAIL 1, SHEET SP-9 OR "SILT SOXX" PER DETAIL 9, SHEET SP-9 OR "EROSION CONTROL BERM" PER DETAIL 11, SHEET SP-9, MAY BE USED AT THE SITE WORK CONTRACTOR DISCRETION. PERIMETER CONTROLS MUST BE INSTALLED PRIOR TO EARTH MOVING OPERATIONS.
2. INSTALL SLOPED GRANITE CURB PER DETAIL 4, SHEET SP-8.
3. INSTALL STABILIZED CONSTRUCTION ENTRANCE PER DETAIL 5, SHEET SP-9.
4. INSTALL BUILDING MOUNTED LIGHT (W2). SEE SHEET Li-1 FOR SPECIFICATIONS.
5. INSTALL CONCRETE POLE BASE AND LIGHTS (P), PER DETAIL 11, SHEET SP-10. SEE SHEET Li-1 FOR SPECIFICATIONS.
6. SAWCUT PAVEMENT, PATCH AND MATCH EXISTING PAVEMENT PER DETAIL 1, SHEET SP-10.
7. INSTALL ASPHALT PAVEMENT PER DETAIL 1, SHEET SP-8.
8. INSTALL 5' WIDE CONCRETE PAVER SIDEWALK PER DETAIL 6, SHEET SP-8.
9. WHITE PAVEMENT MARKINGS, SEE DETAIL 9, SHEET SP-8 FOR ACCESSIBLE SYMBOL.
10. INSTALL ACCESSIBLE PARKING SIGN PER DETAIL 5, SHEET SP-10.
11. INSTALL VERTICAL GRANITE CURB PER DETAIL 4, SHEET SP-8.
12. INSTALL 5.25' x 6.75' CONCRETE PAD PER DETAIL 10, SHEET SP-10, WITH LOCKABLE STORAGE FOR THREE BICYCLES, ALLEN INDUSTRIAL GRADE MODEL 204S, OR APPROVED
13. INSTALL (2) PARK BENCH PER DETAIL 7, SHEET SP-8.
14. INSTALL (1) TRASH BIN PER DETAIL 8, SHEET SP-8.
15. INSTALL MAIL KIOSK.
16. INSTALL ACCESSIBLE REINFORCED CONCRETE RAMP (MAXIMUM SLOPE = 1" IN 12") FROM PAVEMENT GRADE TO SIDEWALK GRADE IN COMPLIANCE WITH ALL A.D.A. STANDARDS, PER DETAIL 11, SHEET SP-8.
17. INSTALL BUILDING MOUNTED LIGHT (W1). SEE SHEET Li-1 FOR SPECIFICATIONS.
18. INSTALL BUILDING MOUNTED LIGHT (C). SEE SHEET Li-1 FOR SPECIFICATIONS.
19. INSTALL 4.0' x 28' CONCRETE PAD PER DETAIL 10, SHEET SP-10, WITH STOCKADE FENCE ENCLOSURE FOR DESIGNATED COLLECTION AREA.
20. EXTEND AND REBUILD EXISTING PAVED DRIVE.
21. NOT USED.
22. INSTALL "NO PARKING FIRE LANE" SIGN (2) PER DETAIL 5, SHEET SP-10.
23. INSTALL 324' OF 6' VINYL STOCKADE FENCE PER DETAIL 3, SHEET SP-10.
24. FUTURE ELECTRIC VEHICLE CHARGING STATION (2). PROVIDE ELECTRIC CONDUIT FOR FUTURE CONNECTION.
25. INSTALL 318' OF 6' VINYL STOCKADE FENCE PER DETAIL 3, SHEET SP-10.
26. INSTALL "STOP" SIGN PER DETAIL 10, SHEET SP-8.
27. INSTALL STOP BAR.
28. INSTALL STREET NAME SIGN PER DETAIL 2, SHEET SP-8.



TRITECH
ENGINEERING CORPORATION
75 CENTRAL AVENUE
DOVER, NEW HAMPSHIRE 03820
TELEPHONE 603 742 8107
FAX 603 742 3890

ISSUED FOR TRC REVIEW
October 24, 2024

REVISIONS	DESCRIPTION:
DATE:	
9-12-24	REVISED PER TRC COMMENTS
10-24-24	REVISED PER TRC COMMENTS

ROBERT STOWELL No. 3803 - STATE OF NEW HAMPSHIRE - PROFESSIONAL ENGINEER

SITE CONSTRUCTION PLAN

103 COURT STREET

103 COURT STREET
DOVER, NEW HAMPSHIRE
STRAFFORD COUNTY
AUGUST 15, 2024
JOB No. 24101
SCALE: 1" = 20'

SHEET No. **SP-2**

(P24-0012)

W-1 WATER NOTES:

1. WATERLINE AND APPENDITURES, INSTALLATION, AND MATERIALS SHALL CONFORM WITH THE CITY OF DOVER, NH AND AMERICAN WATER WORKS STANDARDS. ALL VALVES SHALL REQUIRE RESTRAINED MECHANICAL JOINTS USING EITHER MEGA-LUG, GRIP RINGS, OR OTHER METHODS OF RESTRAIN ACCEPTABLE TO THE CITY OF DOVER WATER DEPARTMENT, IN ADDITION TO USE OF CONCRETE THRUST BLOCKS.
2. PRESSURE AND LEAKAGE TEST SHALL BE PERFORMED IN ACCORDANCE WITH THE LATEST STANDARDS OF AAWA. CHLORINATING AND FLUSHING SHALL BE COMPLETED IN ACCORDANCE WITH THE LATEST STANDARDS OF AAWA, STATE AND LOCAL REGULATIONS.
3. INSTALL CONCRETE THRUST BLOCKS WHERE SHOWN PER DETAIL 7, SHEET SP-6
4. BACKFLOW PREVENTORS SHALL BE PROVIDED FOR ALL WATER LINES.
5. CONNECT TO EXISTING 6" C.I. WATER MAIN. INSTALL A STAINLESS STEEL TAPPING SLEEVE WITH 6" GATE VALVE AND THRUST BLOCK.
6. INSTALL 350' – 6" CONCRETE LINED DUCTILE IRON CLASS 52 (C.L.D.I.) WATER MAIN WITH POLYWRAP. MINIMUM DEPTH OF COVER OVER PIPE = 5.5'.
7. INSTALL 1" PLASTIC WATER SERVICE FROM WATER MIN TO BUILDING.
8. INSTALL 6" WATER GATE VALVE.
9. DOMESTIC WATER AND LANDSCAPING WATER SHALL BE METERED SEPARATELY.
10. INSTALL 6" HYDRANT PER DETAIL 2, SHEET SP-10.
11. EXISTING WATER MAIN TO BE REMOVED AND REPLACED. (BY OTHERS) PER "COURT STREET RECONSTRUCTION" DESIGN PLANS.

S-1 SEWER NOTES:

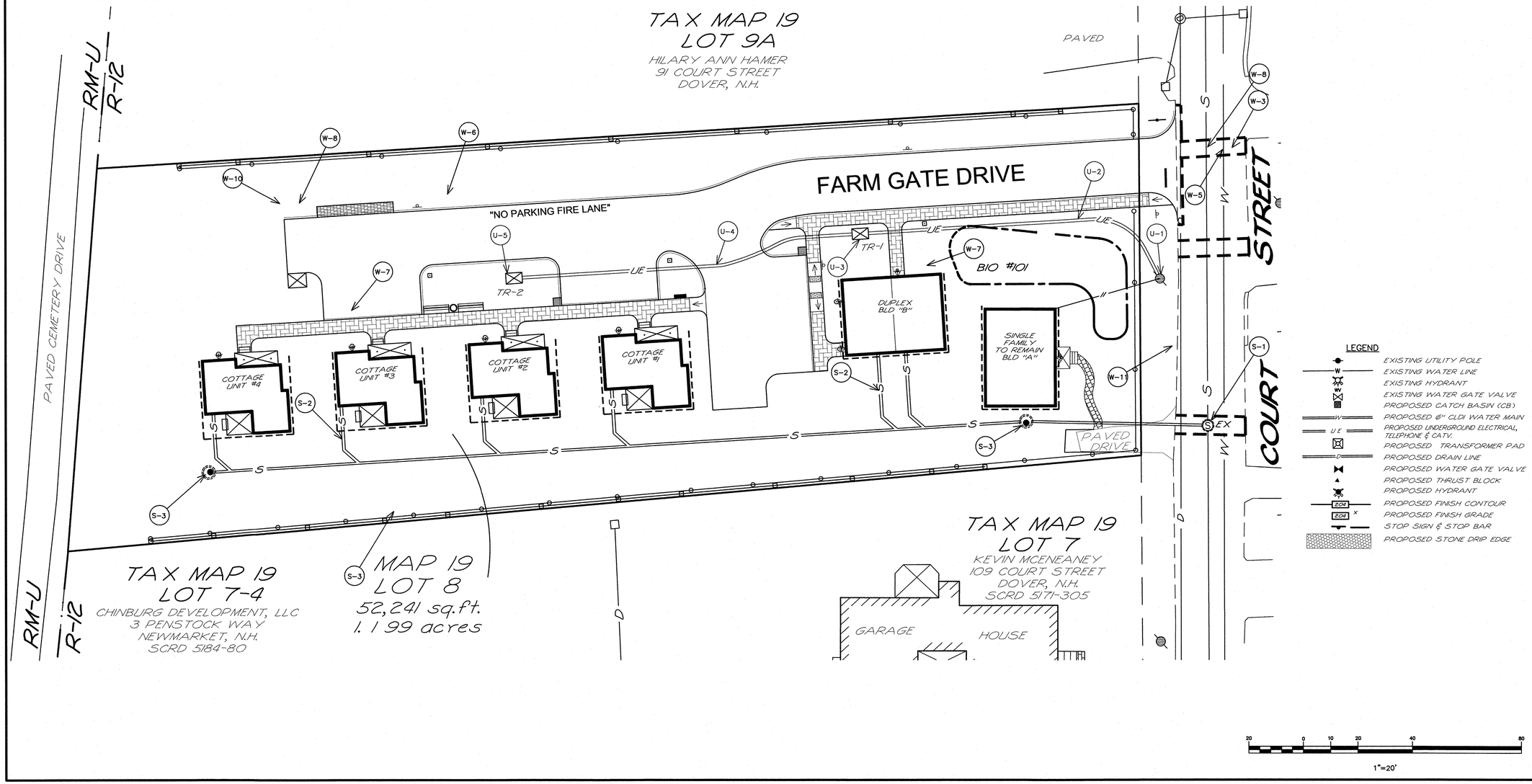
1. CONNECT TO EXISTING SMH #1239
   EXISTING RIM EL=103.35'
   INVERT IN EL=89.05' (24" ACP)
   INVERT OUT EL=89.00' (24" ACP)
   CORE AND BOOT FOR NEW INVERT IN EL=96.35' (8" SDR 35)
   INSTALL INSIDE DROP INLET PER DETAIL DOVER STD. D-18 ON SHEET SP-11 AND REBRICK INVERT.
2. INSTALL SEWER SERVICE FROM SEWER MAIN TO BUILDING.
3. INSTALL SMH AT LOCATIONS AND ELEVATIONS ON SHEET C-3. INSTALLATION TO BE IN ACCORDANCE WITH DETAIL SHEETS SP-11 & SP-12. INSTALL DROP INLET AS DIRECTED BY THE CITY OF DOVER
4. SEWER MANHOLE COVER SHALL BE NEENAH LIFTMATE R-1743-LM.
5. ALL SEWER PIPE SHALL BE SRD 35.

U-1 UTILITY NOTES:

1. CONNECT TO EXISTING UTILITY POLE IN ACCORDANCE WITH EVERSOURCE STANDARDS & DETAIL 4, (TRENCH "A"), SHEET SP-4.
2. INSTALL 120 FT OF UNDERGROUND CONDUIT IN ACCORDANCE WITH EVERSOURCE STANDARDS & DETAIL 4, (TRENCH "A"), SHEET SP-4 FROM EXISTING UTILITY POLE TO TRANSFORMER (TR-1). (PRIMARY POWER)
3. INSTALL TRANSFORMER (TR-1) IN ACCORDANCE WITH EVERSOURCE STANDARDS & DETAIL 4, (TRENCH "B"),
4. INSTALL 125 FT OF UNDERGROUND CONDUIT IN ACCORDANCE WITH EVERSOURCE STANDARDS & DETAIL 4, (TRENCH "B"), SHEET SP-4 FROM TRANSFORMER (TR-1) TO TRANSFORMER (TR-2). (PRIMARY POWER)
5. INSTALL TRANSFORMER (TR-2) IN ACCORDANCE WITH EVERSOURCE STANDARDS & DETAIL 4, (TRENCH "B"),

N

TRITECH ENGINEERING CORPORATION



TRITECH
ENGINEERING CORPORATION
795 CENTRAL AVENUE
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October 24, 2024

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10-24-24	REVISED PER TRC COMMENTS

ROBERT J. STOWELL No. 9803 LICENSED PROFESSIONAL ENGINEER - STATE OF NEW HAMPSHIRE

UTILITIES PLAN

103 COURT STREET

103 COURT STREET
DOVER, NEW HAMPSHIRE
STRAFFORD COUNTY
JOB No. 2410
AUGUST 15, 2024
SCALE: 1" = 20'

SHEET No. **SP-3**

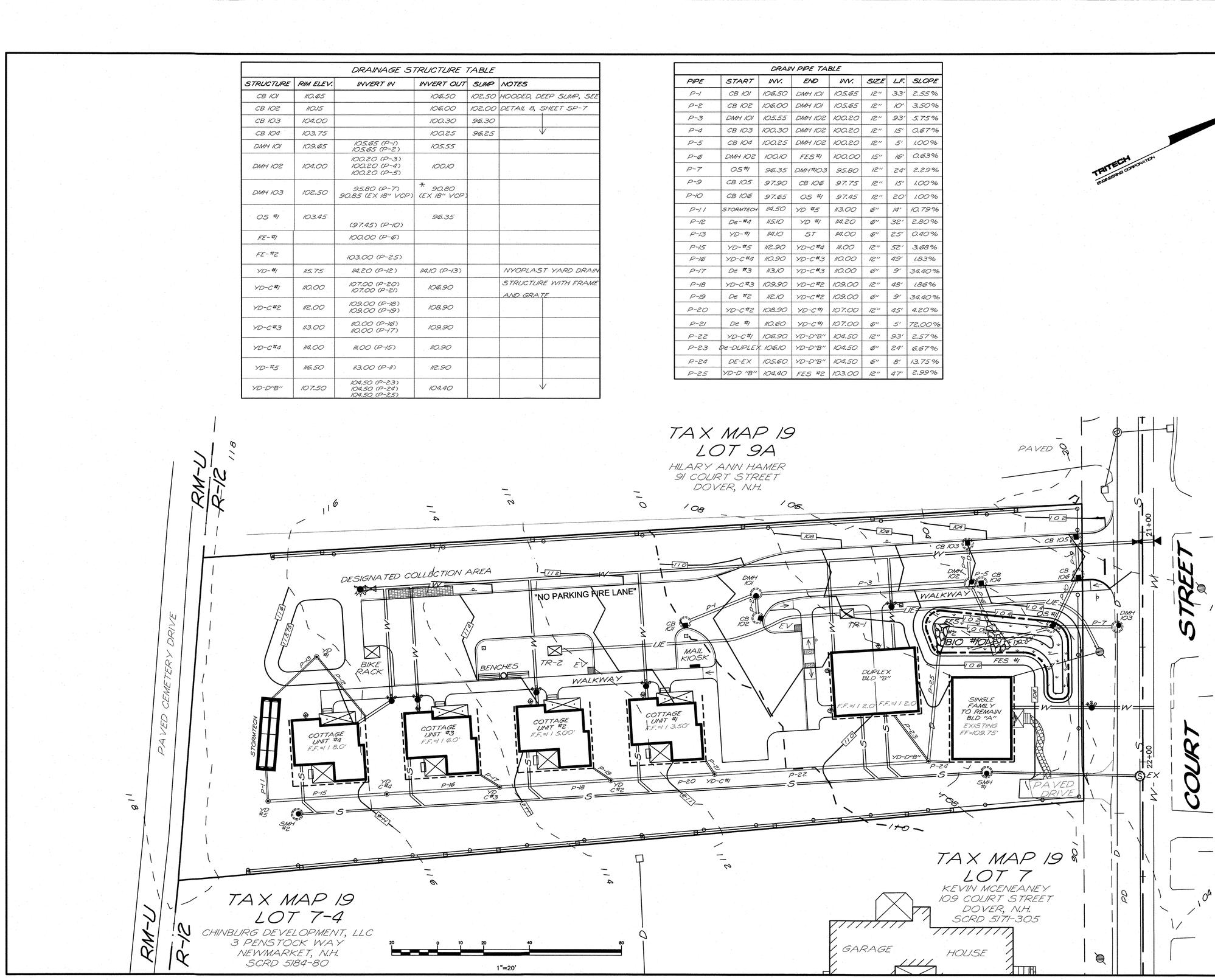
(P24-0012)

DRAINAGE STRUCTURE TABLE

STRUCTURE	RIM ELEV.	INVERT IN	INVERT OUT	SUMP	NOTES
CB 101	110.65		106.50	102.50	HOODED, DEEP SUMP, SEE
CB 102	110.15		106.00	102.00	DETAIL 8, SHEET SP-7
CB 103	104.00		100.30	96.30	
CB 104	103.75		100.25	96.25	
DMH 101	109.65	105.65 (P-1) 105.65 (P-2)	105.55		
DMH 102	104.00	100.20 (P-3) 100.20 (P-4) 100.20 (P-5)	100.10		
DMH 103	102.50	95.80 (P-7) 90.85 (EX 18" VCP)	* 90.80 (EX 18" VCP)		
OS #1	103.45	(97.45) (P-10)	96.35		
FE-#1		100.00 (P-6)			
FE-#2		103.00 (P-25)			
YD-#1	115.75	114.20 (P-12)	114.10 (P-13)		NYOPLAST YARD DRAIN
YD-C#1	110.00	107.00 (P-20) 107.00 (P-21)	106.90		STRUCTURE WITH FRAME
YD-C#2	112.00	109.00 (P-18) 109.00 (P-19)	108.90		AND GRATE
YD-C#3	113.00	110.00 (P-16) 110.00 (P-17)	109.90		
YD-C#4	114.00	111.00 (P-15)	110.90		
YD-#5	116.50	113.00 (P-11)	112.90		
YD-D"B"	107.50	104.50 (P-23) 104.50 (P-24) 104.50 (P-25)	104.40		

DRAIN PIPE TABLE

PIPE	START	INV.	END	INV.	SIZE	L.F.	SLOPE
P-1	CB 101	106.50	DMH 101	105.65	12"	33'	2.55%
P-2	CB 102	106.00	DMH 101	105.65	12"	10'	3.50%
P-3	DMH 101	105.55	DMH 102	100.20	12"	93'	5.75%
P-4	CB 103	100.30	DMH 102	100.20	12"	15'	0.67%
P-5	CB 104	100.25	DMH 102	100.20	12"	5'	1.00%
P-6	DMH 102	100.10	FES #1	100.00	15"	16'	0.63%
P-7	OS #1	96.35	DMH #103	95.80	12"	24'	2.29%
P-9	CB 105	97.90	CB 106	97.75	12"	15'	1.00%
P-10	CB 106	97.65	OS #1	97.45	12"	20'	1.00%
P-11	STORMTECH	114.50	YD #5	113.00	6"	14'	10.79%
P-12	De-#4	115.10	YD #1	114.20	6"	32'	2.80%
P-13	YD-#1	114.10	ST	114.00	6"	25'	0.40%
P-15	YD-#5	112.90	YD-C#4	111.00	12"	52'	3.68%
P-16	YD-C#4	110.90	YD-C#3	110.00	12"	49'	1.83%
P-17	De #3	113.10	YD-C#3	110.00	6"	9'	34.40%
P-18	YD-C#3	109.90	YD-C#2	109.00	12"	48'	1.86%
P-19	De #2	112.10	YD-C#2	109.00	6"	9'	34.40%
P-20	YD-C#2	108.90	YD-C#1	107.00	12"	45'	4.20%
P-21	De #1	110.60	YD-C#1	107.00	6"	5'	72.00%
P-22	YD-C#1	106.90	YD-D"B"	104.50	12"	93'	2.57%
P-23	De-DUPLEX	106.10	YD-D"B"	104.50	6"	24'	6.67%
P-24	DE-EX	105.60	YD-D"B"	104.50	6"	8'	13.75%
P-25	YD-D "B"	104.40	FES #2	103.00	12"	47'	2.99%



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I HEREBY CERTIFY THAT THIS PLAN WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND CONFORMS TO THE REQUIREMENTS OF THE NEW HAMPSHIRE BOARD OF LICENSURE FOR LANDSCAPE ARCHITECTS, ENGINEERS AND SURVEYORS. ROBERT J. STOWELL, NO. 9865, LICENSED PROFESSIONAL ENGINEER, STATE OF NEW HAMPSHIRE

GRADING AND DRAINAGE PLAN

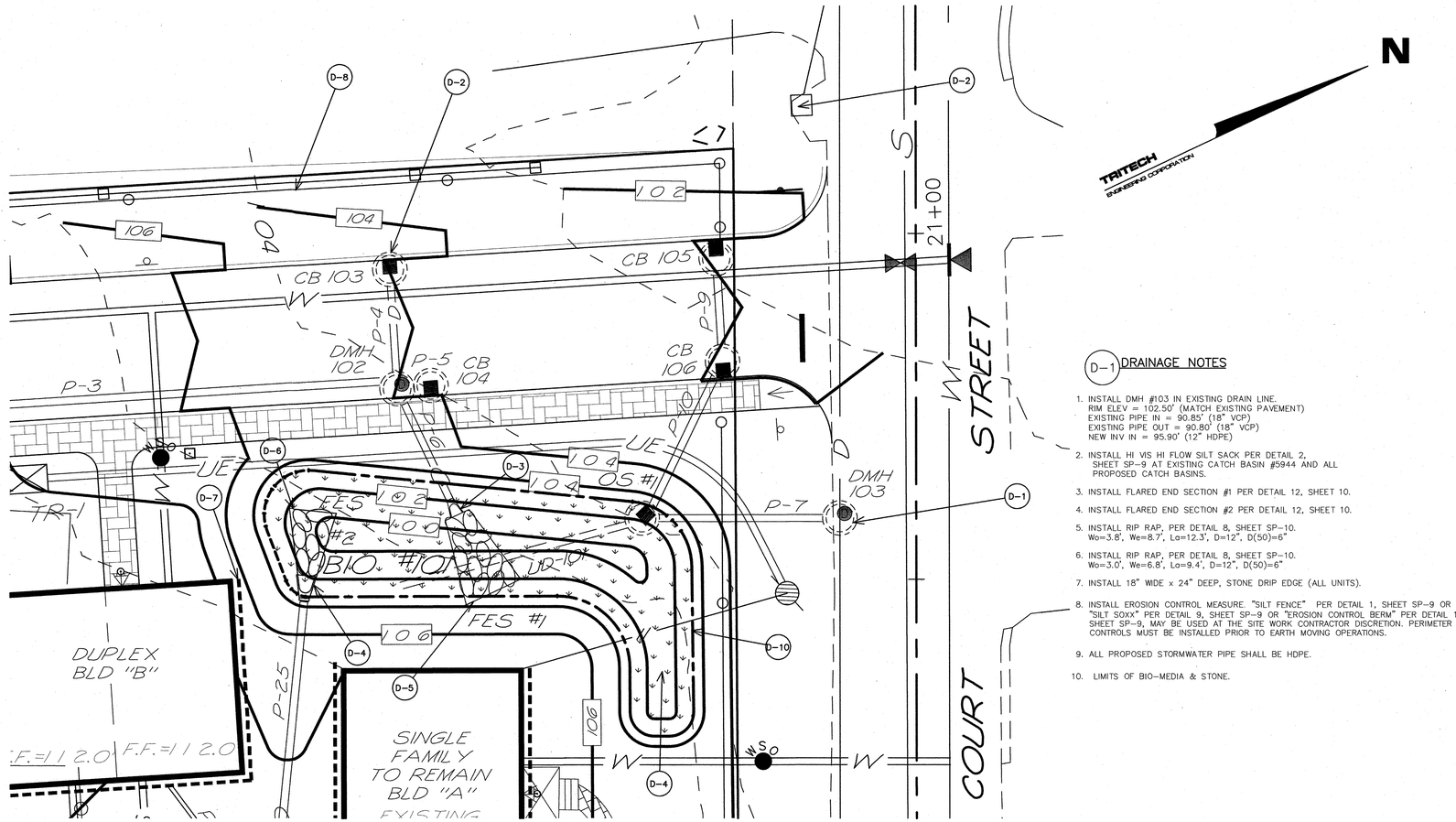
103 COURT STREET

103 COURT STREET
DOVER, NEW HAMPSHIRE
STRAFFORD COUNTY
AUGUST 15, 2024
JOB No. 2410
SCALE: 1" = 20'

SHEET No.

SP-4

(P24-0012)



1 BIORETENTION BASIN #101
1" = 10'

D-1 DRAINAGE NOTES

1. INSTALL DMH #103 IN EXISTING DRAIN LINE.
   RIM ELEV = 102.50' (MATCH EXISTING PAVEMENT)
   EXISTING PIPE IN = 90.85' (18" VCP)
   EXISTING PIPE OUT = 90.80' (18" VCP)
   NEW INV IN = 95.90' (12" HDPE)
2. INSTALL HI VIS HI FLOW SILT SACK PER DETAIL 2, SHEET SP-9 AT EXISTING CATCH BASIN #5944 AND ALL PROPOSED CATCH BASINS.
3. INSTALL FLARED END SECTION #1 PER DETAIL 12, SHEET 10.
4. INSTALL FLARED END SECTION #2 PER DETAIL 12, SHEET 10.
5. INSTALL RIP RAP, PER DETAIL 8, SHEET SP-10.
   Wo=3.8', We=8.7', La=12.3', D=12", D(50)=6"
6. INSTALL RIP RAP, PER DETAIL 8, SHEET SP-10.
   Wo=3.0', We=6.8', La=9.4', D=12", D(50)=6"
7. INSTALL 18" WIDE x 24" DEEP, STONE DRIP EDGE (ALL UNITS).
8. INSTALL EROSION CONTROL MEASURE. "SILT FENCE" PER DETAIL 1, SHEET SP-9 OR "SILT SOXX" PER DETAIL 9, SHEET SP-9 OR "EROSION CONTROL BERM" PER DETAIL 11, SHEET SP-9, MAY BE USED AT THE SITE WORK CONTRACTOR DISCRETION. PERIMETER CONTROLS MUST BE INSTALLED PRIOR TO EARTH MOVING OPERATIONS.
9. ALL PROPOSED STORMWATER PIPE SHALL BE HDPE.
10. LIMITS OF BIO-MEDIA & STONE.

1. PARTICLE SIZE DISTRIBUTION BY SEPARATES:
   a. EXCLUDE ANY MATERIAL >4.76MM – 0%
   b. VERY COARSE SAND/GRAVEL: GRAVEL (2.0 TO 4.76 mm) 5% MAXIMUM (% BY DRY WEIGHT)
   c. SAND (0.42 TO 2.0 mm) 60% MAX (% BY DRY WEIGHT)
   d. SILT (0.075 TO 0.42 mm) 20% MAXIMUM (% BY DRY WEIGHT)
   e. CLAY (LESS THAN 0.075mm) 5% MAXIMUM (% BY DRY WEIGHT)
   f. BARK MULCH (LESS THAN 5% PASSING #200) 15% MAX (% BY DRY WEIGHT)
   g. LOAM (LESS THAN 5% PASSING #200) 20% TO 40% (% BY DRY WEIGHT)

ACCEPTABLE PARTICLE SIZE DISTRIBUTION OF FINAL BIORETENTION SOIL MIX:

SIEVE	% PASSING
#4	100
#10	95
#40	40 – 15
#200	10 – 20
<#200	0 – 5

2. FRAGMENT SIZE DISTRIBUTION:
   a. STICKS AND ROOTS: SHOULD BE MINIMIZED AND PREFERABLY LIMITED TO NOTHING LARGER THAN 4.76mm
   b. DEBRIS AND OTHER FOREIGN MATERIALS: SHOULD BE MINIMIZED
3. PERCENTAGE ORGANIC MATTER: MINIMUM 3% BY VOLUME AND MAXIMUM 8% BY VOLUME
4. SOIL REACTION: pH OF 6 TO 7
5. CEC OF TOTAL SOIL: MINIMUM 10 meq/100mL AT pH OF 7.0
6. BASIS-OF-DESIGN PRODUCT: SUBJECT TO COMPLIANCE WITH REQUIREMENTS INDICATED ON DRAWINGS
7. BASIC PROPERTIES: MANUFACTURED SOIL SHALL NOT CONTAIN THE FOLLOWING:
   a. UNACCEPTABLE MATERIALS: CONCRETE SLURRY, CONCRETE LAYERS OR CHUNKS, CEMENT, PLASTER, BUILDING DEBRIS, ASPHALT, BRICKS, OILS, GASOLINE, DIESEL FUEL, PAINT THINNER, TURPENTINE, TAR, ROOFING COMPOUND, ACID, SOLID WASTE, AND OTHER EXTRANEOUS MATERIALS THAT ARE HARMFUL TO PLANT GROWTH.
   b. UNSUITABLE MATERIALS: STONES, ROOTS, PLANTS, SOD, CLAY LUMPS, AND POCKETS OF COARSE SAND THAT EXCEED A COMBINED MAXIMUM OF 5% BY DRY WEIGHT OF THE MANUFACTURED SOIL.
   c. LARGE MATERIALS: STONES, CLODS, ROOTS, CLAY LUMPS, AND POCKETS OF COARSE SAND EXCEEDING 0.187 INCHES (4.76mm) IN ANY DIMENSION

ACCEPTABLE SOIL AMENDMENTS
A. NO COMPOST SHOULD BE USED IN THE PLANTING MIX
B. SPHAGNUM PEAT: PARTIALLY DECOMPOSED SPHAGNUM PEAT MOSS, FINELY DIVIDED OR OF GRANULAR TEXTURE WITH 100% PASSING THROUGH THE 1/2-INCH (13mm) SIEVE, A pH OF 3.4 TO 4.8
C. WOOD DERIVATIVES: SHREDDED WOOD, WOOD CHIPS, GROUND BARK, OR WOOD WASTE; OF UNIFORM TEXTURE AND FREE OF STONES, STICKS, SOIL, OR TOXIC MATERIALS.
D. MEDIA AMENDMENTS SUCH AS ZERO-VALENT IRON AND/OR DRINKING WATER TREATMENT RESIDUALS (ALUM) TO ENHANCE PHOSPHORUS SORPTION AS SPECIFIED BY ENGINEER.

4 BIORETENTION SOIL MIX
NOT TO SCALE

NEW ENGLAND WETLAND PLANTS INC.
NEW ENGLAND EROSION CONTROL/RESTORATION MIX FOR DETENTION BASINS AND MOIST SITES

THE MIX MAY BE APPLIED BY HAND, BY MECHANICAL SPREADER, OR BY HYDRO-SEEDER. AFTER SOWING, LICHTLY RAKE, ROLL, OR CULTIPACK TO INSURE GOOD SEED-TO-SOIL CONTACT. BEST RESULTS ARE OBTAINED WITH A SPRING OR LATE SUMMER SEEDING. LATE FALL AND WINTER DORMANT SEEDING REQUIRES AN INCREASE IN THE APPLICATION RATE. A LIGHT MULCHING OF CLEAN, WEED-FREE STRAW IS RECOMMENDED.

NEW ENGLAND WETLAND PLANTS INC.
NEW ENGLAND EROSION CONTROL/RESTORATION MIX FOR DRY SITES

THE NEW ENGLAND EROSION CONTROL/RESTORATION MIX FOR DRY SITES MAY BE APPLIED BY HYDRO SEEDING, BY MECHANICAL SPREADER, OR ON SMALL SITES IT CAN BE SPREAD BY HAND. LICHTLY RAKE, OR ROLL TO ENSURE PROPER SOIL-SEED CONTACT. BEST RESULTS ARE OBTAINED WITH A SPRING OR LATE SUMMER SEEDING. LATE SPRING THROUGH MID-SUMMER SEEDING WILL BENEFIT FROM A LIGHT MULCHING OF WEED-FREE STRAW TO CONSERVE MOISTURE. IF CONDITIONS ARE DRIER THAN USUAL, WATERINC WILL BE REQUIRED. FERTILIZATION IS NOT REQUIRED UNLESS THE SOILS ARE PARTICULARLY INFERTILE. PREPARATION OF A CLEAN WEED FREE SEED BASE IS NECESSARY FOR OPTIMAL RESULTS.

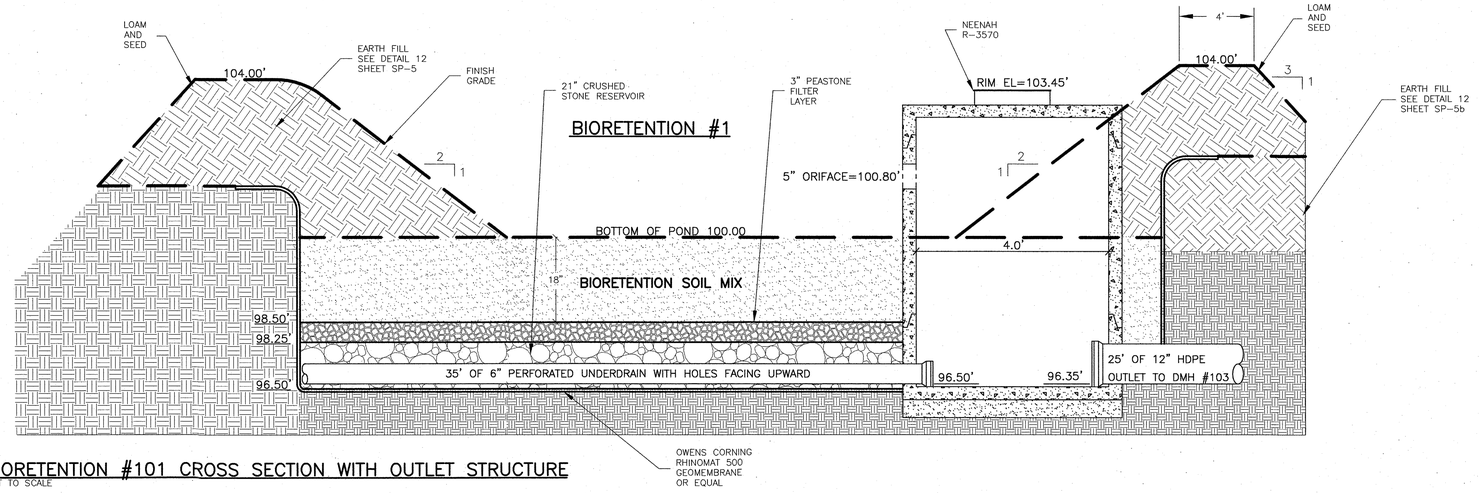
ANYWHERE ON THE SITE THAT EXISTING VEGETATION IS TO BE REMOVED WILL REQUIRE IMMEDIATE EROSION CONTROL TREATMENT. SPECIAL CARE SHOULD BE TAKEN WHERE RUNOFF ENTERS WETLANDS. ALL STORM WATER AREAS SHALL BE STABILIZED PRIOR TO DIRECTINC STORM WATER TO THEM; SPECIFICALLY ALL BIORETENTION BASINS AND ALL INFILTRATION AREAS.

SEEDING LEGEND

– 50/50 BLEND OF NEW ENGLAND EROSION CONTROL/RESTORATION MIX FOR DRY SITES AND NEW ENCLAND EROSION CONTROL/RESTORATION MIX FOR DETENTION BASINS AND MOIST SITES.
BOTH MIXES FROM NEW ENGLAND WETLAND PLANTS INC.
APPLY: 35 LBS/ACRE : 1250 SQ FT/LB

– LIMITS OF BIORETENTION SOIL MIX

8 BIORETENTION SEEDING
NOT TO SCALE



9 BIORETENTION #101 CROSS SECTION WITH OUTLET STRUCTURE
NOT TO SCALE

FILL MATERIAL SHOULD BE TAKEN FROM AN APPROVED, DESIGNATED BORROW AREA. IT SHOULD BE FREE OF ROOTS, STUMPS, WOOD, RUBBISH, STONES GREATER THAN 6 INCHES, AND FROZEN OR OTHER OBJECTIONABLE MATERIALS.

AREAS ON WHICH FILL IS TO BE PLACED SHOULD BE SCARIFIED BEFORE PLACEMENT. FILL MATERIAL SHOULD BE PLACED IN LAYERS A MAXIMUM OF 8 INCHES THICK (BEFORE COMPACTION), WHICH SHOULD BE CONTINUOUS OVER THE ENTIRE LENGTH OF THE FILL.

FILL MATERIAL SHOULD BE COMPACTED WITH APPROPRIATE COMPACTION EQUIPMENT SUCH AS SHEEPSFOOT, RUBBER-TIRED, OR VIBRATORY ROLLER.

A MINIMUM REQUIRED DENSITY IS 95% OF MAXIMUM DRY DENSITY WITH A MOISTURE CONTENT WITHIN 2 % OF THE OPTIMUM. EACH LAYER OF THE FILL SHOULD BE COMPACTED AS NECESSARY TO OBTAIN MINIMUM DENSITY.

12 EARTH FILL
NOT TO SCALE

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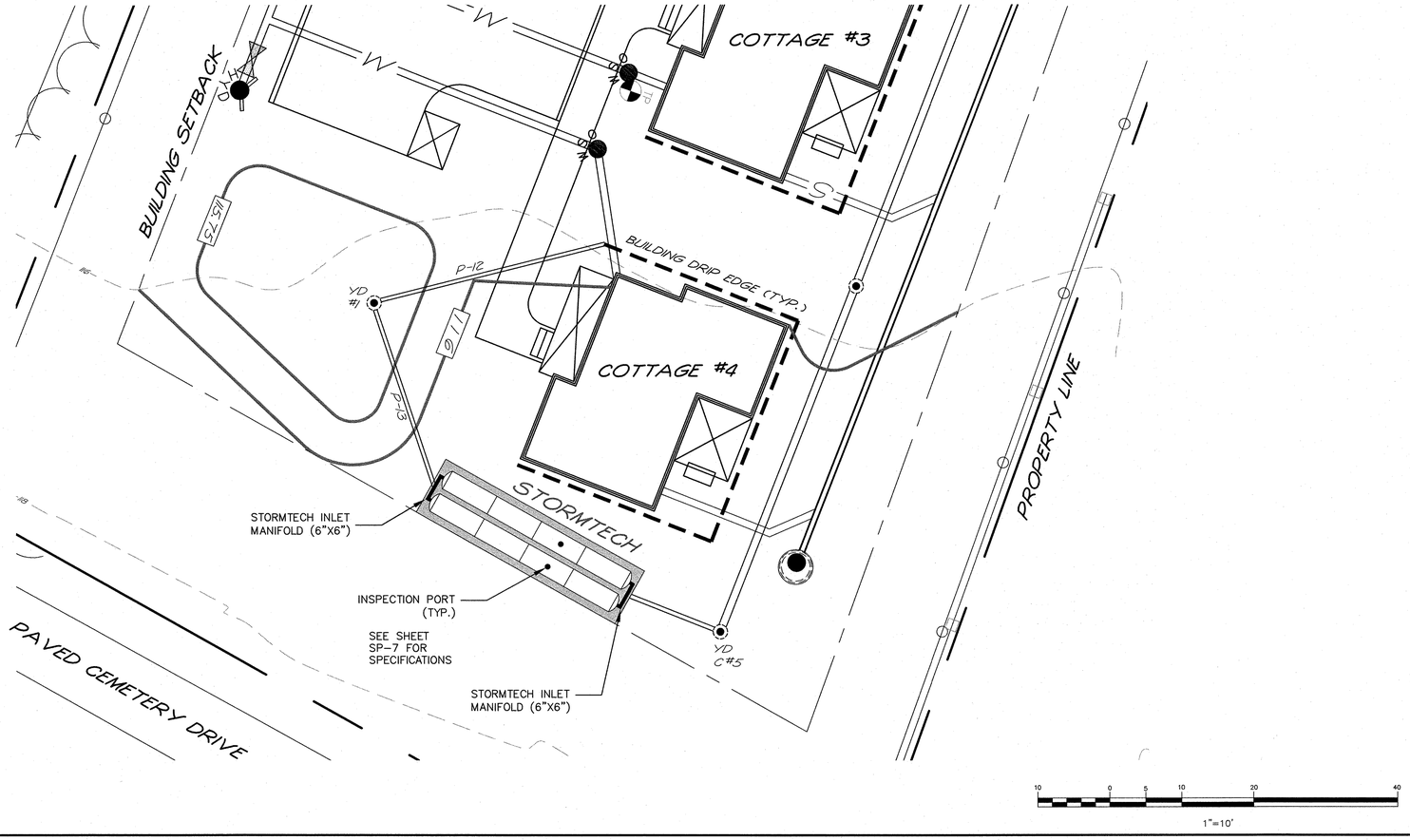
ROBERT J. STOWELL NO. 9613 CERTIFIED PROFESSIONAL ENGINEER STATE OF NEW HAMPSHIRE – PROFESSIONAL ENGINEER

BIORETENSION DETAILS

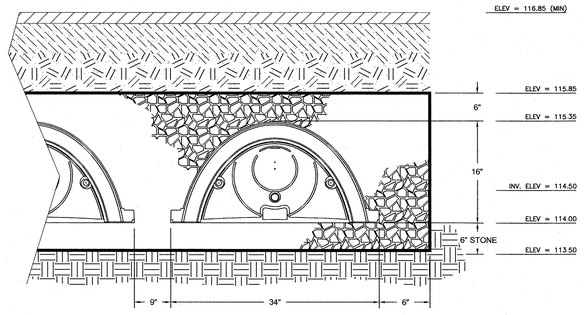
103 COURT STREET
103 COURT STREET
DOVER, NEW HAMPSHIRE
STRAFFORD COUNTY
AUGUST 15, 2024 JOB No. 24101
SCALE: 1" = 10'

SHEET No.
SP-5

(P24-0012)



1 STORMTECH PLAN
1" = 10'



SEE SHEET SP-7 FOR STORMTECH STANDARD DETAILS

1 STORMTECH SECTION
NOT TO SCALE

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ENGINEERING CORPORATION
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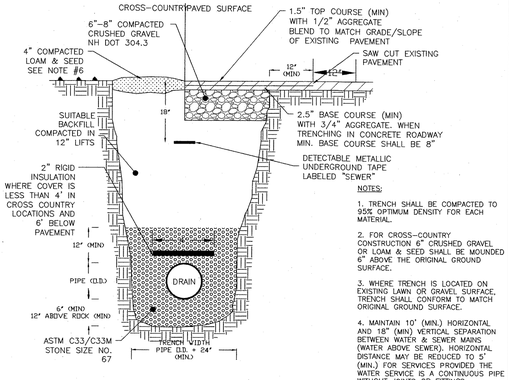
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NEW HAMPSHIRE - STATE OF - LICENSED PROFESSIONAL ENGINEER
ROBERT J STOWELL No. 9866

STORMTECH DETAIL SHEET
103 COURT STREET
103 COURT STREET
DOVER, NEW HAMPSHIRE
STRAFFORD COUNTY
AUGUST 15, 2024 JOB No. 24101

SHEET No. **SP-6**

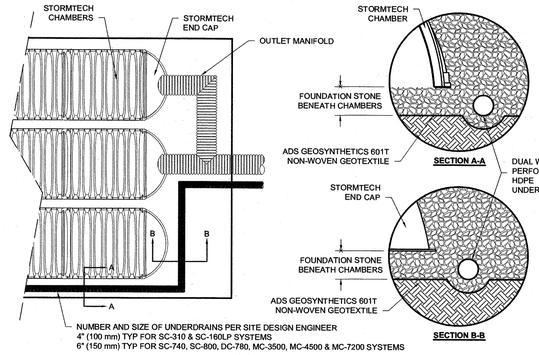
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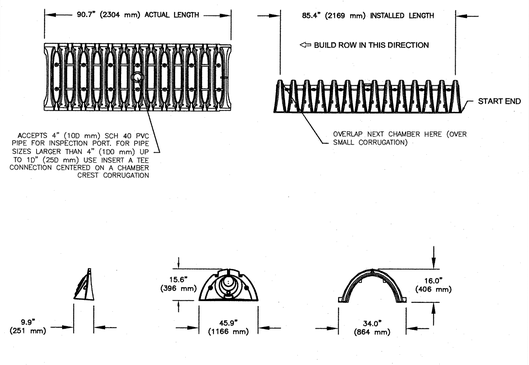
NOTES:

1. TRENCH SHALL BE COMPACTED TO 95% OPTIMUM DENSITY FOR EACH MATERIAL.
2. FOR CROSS-COUNTRY CONSTRUCTION 6" CRUSHED GRAVEL OR LOAM & SEED SHALL BE MOUNDED 6" ABOVE THE ORIGINAL GROUND SURFACE.
3. WHERE TRENCH IS LOCATED ON EXISTING LAWN OR GRAVEL SURFACE, TRENCH SHALL CONFORM TO MATCH ORIGINAL GROUND SURFACE.
4. MAINTAIN 10' (MIN.) HORIZONTAL AND 18" (MIN) VERTICAL SEPARATION BETWEEN WATER & SEWER MAINS (WATER ABOVE SEWER). HORIZONTAL DISTANCE MAY BE REDUCED TO 5' (MIN.) FOR SERVICES PROVIDED THE WATER SERVICE IS A CONTINUOUS PIPE WITHOUT JOINTS OR FITTINGS.
5. BACKFILL MATERIAL SHALL BE THE NATURAL MATERIAL EXCAVATED DURING THE COURSE OF CONSTRUCTION, BUT SHALL EXCLUDE; DEBRIS, PAVEMENT, ORGANIC MATTER, TOP SOIL, MUCK, PEAT AND ROCKS OVER 6" IN LARGEST DIMENSION
6. LOAM AND SEED SHOULD BE IN COMPLIANCE WITH NH DOT 641, 642, 643, 644 AND 645.

1 DOVER STD. D-3 Dainage Trench
NOT TO SCALE



2 STORMTECH UNDERDRAIN DETAIL
NOT TO SCALE



NOMINAL CHAMBER SPECIFICATIONS

SIZE (W X H X INSTALLED LENGTH) 34.0" X 16.0" X 85.4" (864 mm X 406 mm X 2169 mm)
CHAMBER STORAGE 14.7 CUBIC FEET (0.42 m³)
MINIMUM INSTALLED STORAGE* 31.0 CUBIC FEET (0.88 m³)
WEIGHT 35.0 lbs. (16.8 kg)

*ASSUMES 6" (152 mm) ABOVE, BELOW, AND BETWEEN CHAMBERS



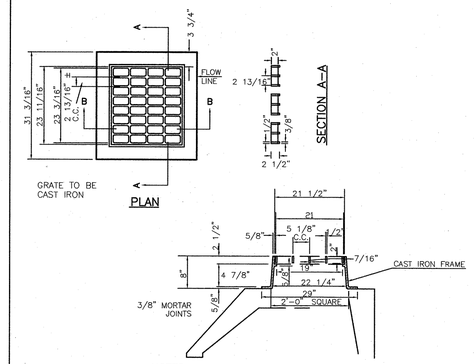
STUBS AT BOTTOM OF END CAP FOR PART NUMBERS ENDING WITH "B"
STUBS AT TOP OF END CAP FOR PART NUMBERS ENDING WITH "T"

ALL STUBS, EXCEPT FOR THE SC310EPE12B ARE PLACED AT BOTTOM OF END CAP SUCH THAT THE OUTSIDE DIAMETER OF THE STUB IS FLUSH WITH THE BOTTOM OF THE END CAP. FOR ADDITIONAL INFORMATION CONTACT STORMTECH AT 1-888-892-2694.

* FOR THE SC310EPE12B THE 12" (300 mm) STUB LIES BELOW THE BOTTOM OF THE END CAP APPROXIMATELY 0.25" (6 mm). BACKFILL MATERIAL SHOULD BE REMOVED FROM BELOW THE N-12 STUB SO THAT THE FITTING SITS LEVEL.

NOTE: ALL DIMENSIONS ARE NOMINAL

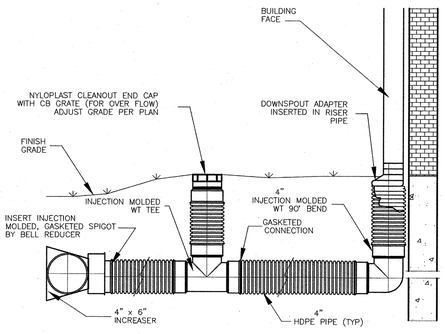
7 STORMTECH SC-310
NOT TO SCALE



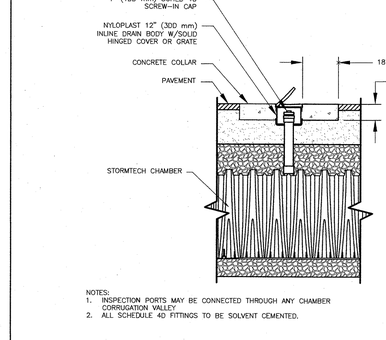
NOTES

1.) USE NEENAH R-3570
2.) FOR SHALLOW INVERTS, USE NEENAH R-3570-A.

4 CATCH BASIN FRAME & GRATE
NOT TO SCALE



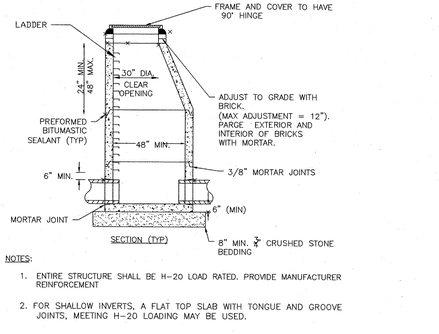
5 ROOF DRAIN W-TEE CLEANOUT
NOT TO SCALE



NOTES:
1. INSPECTION PORTS MAY BE CONNECTED THROUGH ANY CHAMBER CORRUGATION VALLEY
2. ALL SCHEDULE 40 FITTINGS TO BE SOLVENT CEMENTED.

CONNECTION DETAIL
NTS

6 STORMTECH-INSPECTION PORT
NOT TO SCALE



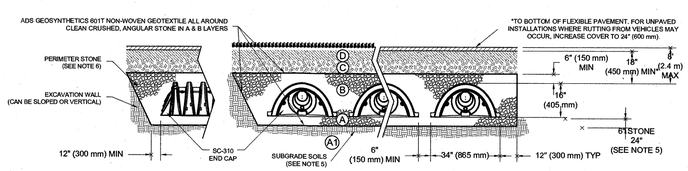
NOTES:

1. ENTIRE STRUCTURE SHALL BE H-20 LOAD RATED. PROVIDE MANUFACTURER REINFORCEMENT
2. FOR SHALLOW INVERTS, A FLAT TOP SLAB WITH TONGUE AND GROOVE JOINTS, MEETING H-20 LOADING MAY BE USED.

8 DOVER STD. D-20 DRAIN MANHOLE
NOT TO SCALE

	MATERIAL LOCATION	DESCRIPTION	AASHTO MATERIAL CLASSIFICATIONS	COMPACTION / DENSITY REQUIREMENT
D	FINAL FILL: FILL MATERIAL FOR LAYER 'D' STARTS FROM THE TOP OF THE 'C' LAYER TO THE BOTTOM OF FLEXIBLE PAVEMENT OR UNPAVED FINISHED GRADE ABOVE. NOTE THAT PAVEMENT SUBBASE MAY BE PART OF THE 'D' LAYER.	ANY SOIL/ROCK MATERIALS, NATIVE SOILS.	N/A	PREPARE PER SITE DESIGN ENGINEER'S PLANS.
C	INITIAL FILL: FILL MATERIAL FOR LAYER 'C' STARTS FROM THE TOP OF THE EMBEDMENT STONE ('B' LAYER) TO 18" (450 mm) ABOVE THE TOP OF THE CHAMBER.	GRANULAR WELL-GRADED SOIL/AGGREGATE MIXTURES, <35% FINES OR PROCESSED AGGREGATE.	AASHTO M145[1] A-1, A-2-4, A-3 OR AASHTO M43[1] 3, 357, 4, 467, 5, 56, 57, 6, 67, 68, 7, 78, 8, 89, 9, 10	BEGIN COMPACTIONS AFTER 12" (300 mm) OF MATERIAL OVER THE CHAMBERS IS REACHED. COMPACT ADDITIONAL LAYERS IN 6" (150 mm) MAX LIFTS TO A MIN. 95% PROCTOR DENSITY FOR WELL GRADED MATERIAL AND 95% RELATIVE DENSITY FOR PROCESSED AGGREGATE MATERIALS. ROLLER GROSS VEHICLE WEIGHT NOT TO EXCEED 12,000 lbs (53 kN). DYNAMIC FORCE NOT TO EXCEED 20,000 lbs (89 kN).
B	EMBEDMENT STONE: FILL SURROUNDING THE CHAMBERS FROM THE FOUNDATION STONE ('A' LAYER) TO THE 'C' LAYER ABOVE.	CLEAN, CRUSHED, ANGULAR STONE, NOMINAL SIZE DISTRIBUTION BETWEEN 3/4-2 INCH (20-50 mm)	AASHTO M43[1] 3, 357, 4, 467, 5, 56, 57	NO COMPACTION REQUIRED.
A	FOUNDATION STONE: FILL BELOW CHAMBERS FROM THE SUBGRADE UP TO THE FOOT (BOTTOM) OF THE CHAMBER.	CLEAN, CRUSHED, ANGULAR STONE, NOMINAL SIZE DISTRIBUTION BETWEEN 3/4-2 INCH (20-50 mm)	AASHTO M43[1] 3, 357, 4, 467, 5, 56, 57	PLATE COMPACT OR ROLL TO ACHIEVE A FLAT SURFACE. **

PLEASE NOTE:
1. THE LISTED AASHTO DESIGNATIONS ARE FOR GRADATIONS ONLY. THE STONE MUST ALSO BE CLEAN, CRUSHED, ANGULAR. FOR EXAMPLE, A SPECIFICATION FOR #4 STONE WOULD STATE: "CLEAN, CRUSHED, ANGULAR NO. 4 (AASHTO M43) STONE".
2. STORMTECH COMPACTION REQUIREMENTS ARE MET FOR 'A' LOCATION MATERIALS WHEN PLACED AND COMPACTED IN 6" (150 mm) (MAX) LIFTS USING TWO FULL COVERAGES WITH A VIBRATORY COMPACTOR.
3. WHERE INFILTRATION SURFACES MAY BE COMPROMISED BY COMPACTION, FOR STANDARD DESIGN LOAD CONDITIONS, A FLAT SURFACE MAY BE ACHIEVED BY RAKING OR DRAGGING WITHOUT COMPACTION EQUIPMENT. FOR SPECIAL LOAD DESIGNS, CONTACT STORMTECH FOR COMPACTION REQUIREMENTS.



9 STORMTECH ACCEPTABLE FILL MATERIALS
NOT TO SCALE

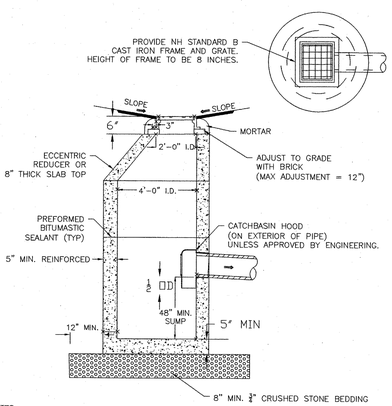
FILL SPECIFICATION A1

COMPONENT MATERIAL	PERCENT BY VOLUME	GRADATION OF MATERIAL	
		SIEVE No.	% PASSING BY WEIGHT
ASTM C-33 CONCRETE SAND	50-55%		
LOAMY SAND TOPSOIL	20-30%	200	15-25%
MODERATELY FINE SHREDDED BARK OR WOOD FIBER MULCH	20-30%	200	<5%

PROPOSED FILL UNDER INFILTRATION SYSTEM SHALL BE TESTED FOR INFILTRATION RATE PRIOR TO INSTALLATION BY THE LABORATORY METHOD DESCRIBED IN NEW HAMPSHIRE CODE OF ADMINISTRATIVE RULES Env-Wq 1504.14 (g). AFTER FILL IS PLACED BUT BEFORE THE PRACTICE IS INSTALLED, FILL SHALL BE TESTED BY FIELD MEASUREMENT METHOD DESCRIBED IN Env-Wq 1504.14 (b). A MINIMUM INFILTRATION RATE OF 4 INCHES PER HOUR MUST BE ACHIEVED IN BOTH TESTS.

NOTES:

1. SC-310 CHAMBERS SHALL CONFORM TO THE REQUIREMENTS OF ASTM F2418 "STANDARD SPECIFICATION FOR POLYPROPYLENE (PP) CORRUGATED WALL STORMWATER COLLECTION CHAMBERS", OR ASTM F2922 "STANDARD SPECIFICATION FOR POLYETHYLENE (PE) CORRUGATED WALL STORMWATER COLLECTION CHAMBERS".
2. SC-310 CHAMBERS SHALL BE DESIGNED IN ACCORDANCE WITH ASTM F2787 "STANDARD PRACTICE FOR STRUCTURAL DESIGN OF THERMOPLASTIC CORRUGATED WALL STORMWATER COLLECTION CHAMBERS".
3. "ACCEPTABLE FILL MATERIALS" TABLE ABOVE PROVIDES MATERIAL LOCATIONS, DESCRIPTIONS, GRADATIONS, AND COMPACTION REQUIREMENTS FOR FOUNDATION, EMBODIMENT, AND FILL MATERIALS.
4. THE "SITE DESIGN ENGINEER" REFERS TO THE ENGINEER RESPONSIBLE FOR THE DESIGN AND LAYOUT OF THE STORMTECH CHAMBERS FOR THIS PROJECT.
5. SUBBASE SOIL SHALL BE AS FOLLOWS: A1 FILL SECTION.
6. PERIMETER STONE MUST BE EXTENDED HORIZONTALLY TO THE EXCAVATION WALL FOR BOTH VERTICAL AND SLOPED EXCAVATION WALLS.



NOTES:

1. ENTIRE STRUCTURE SHALL BE H-20 LOAD RATED. PROVIDE MANUFACTURER REINFORCEMENT DETAILS TO THE CITY ENGINEER UPON REQUEST.
2. FOR SHALLOW INVERTS, A FLAT TOP SLAB WITH TONGUE AND GROOVE JOINTS, MEETING H-20 LOADING MAY BE USED.

12 DOVER STD. D-19 CATCH BASIN
NOT TO SCALE

TRITECH
ENGINEERING CORPORATION
750 CENTRAL AVENUE
DOVER, NEW HAMPSHIRE 03820
TELEPHONE 603 742 8107
FAX 603 742 3630

ISSUED FOR TRC REVIEW
October 24, 2024

REVISIONS

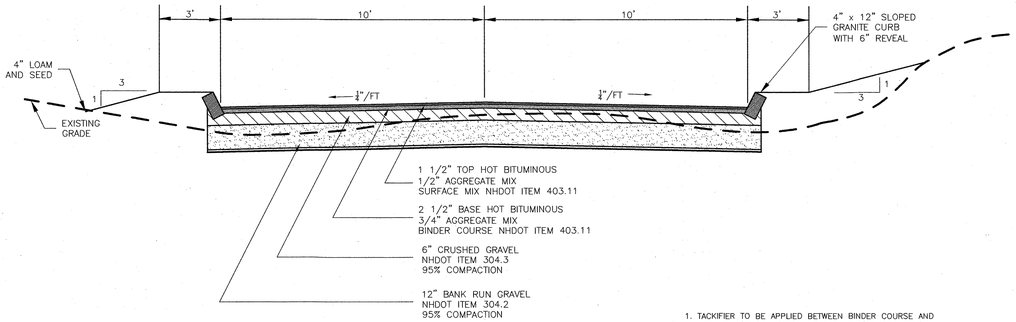
DATE:	DESCRIPTION:
9-12-24	REVISED PER TRC COMMENTS
10-24-24	REVISED PER TRC COMMENTS



CONSTRUCTION DETAILS
103 COURT STREET
103 COURT STREET
DOVER, NEW HAMPSHIRE
STRAFFORD COUNTY
AUGUST 15, 2024
JOB No. 24101

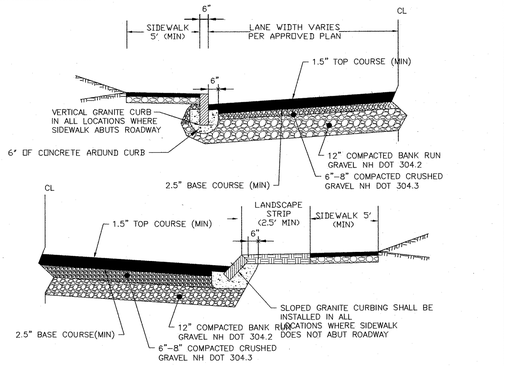
SHEET No.
SP-7

(P24-0012)



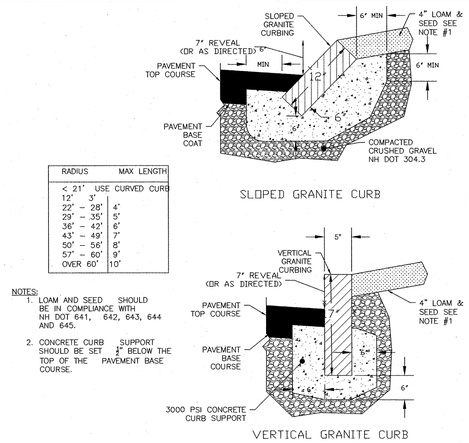
1. TACKIFIER TO BE APPLIED BETWEEN BINDER COURSE AND SURFACE COURSE. (BLACKLIDGE ULTRATACK OR EQUAL)
2. JOINT SEALANT TO BE APPLIED AT LANE JOINTS (SEALANT "C" PAVEMENT JOINT ADHESIVE).
3. SEE DOVER STANDARD DETAILS D-5 FOR ADDITIONAL INFO.
4. SEE DOVER STANDARD DETAILS D-8 FOR ADDITIONAL CURBING INFO.

1 TYPICAL DRIVEWAY CROSS SECTION
NOT TO SCALE



NOTES:
1. THIS DETAIL IS FOR GENERAL REVIEW PURPOSES ONLY, FINAL DESIGN SHALL BE BASED ON SPECIFIC SITE CONDITIONS AND APPROVED PLANS.
2. SIDEWALK LOCATION AND MATERIAL SHALL BE AS APPROVED BY THE CITY OF DOVER.

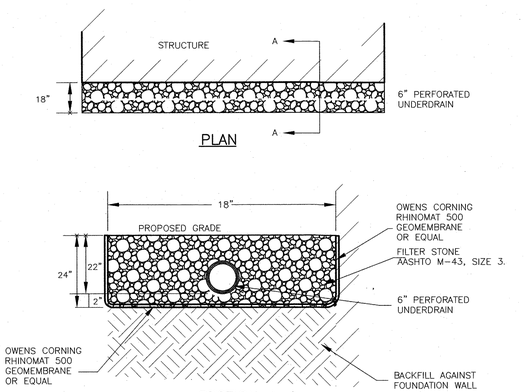
3 DOVER STD. D-5 Roadway Cross Section
NOT TO SCALE



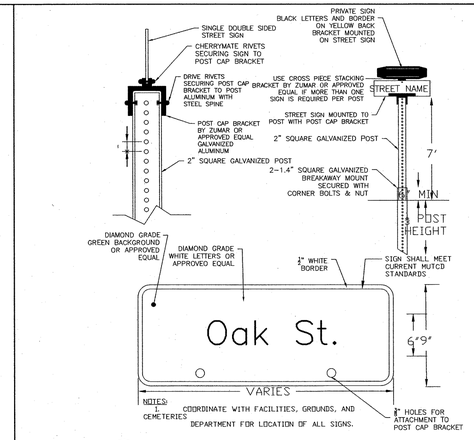
RADIUS	MAX LENGTH
< 21'	USE CURVED CURB
12'	3'
22' – 28'	4'
29' – 35'	5'
36' – 42'	6'
43' – 49'	7'
50' – 56'	8'
57' – 60'	9'
OVER 60'	10'

NOTES:
1. LOAM AND SEED SHOULD BE IN COMPLIANCE WITH NH DOT 641, 642, 643, 644 AND 645.
2. CONCRETE CURB SUPPORT SHOULD BE SET 1/4" BELOW THE TOP OF THE PAVEMENT BASE COURSE.

4 DOVER STD. D-8 Granite Curb
NOT TO SCALE

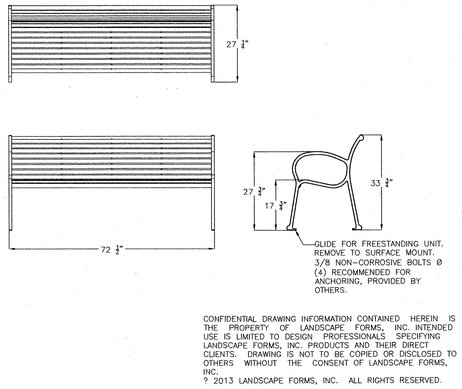


5 BUILDING DRIP EDGE
NOT TO SCALE



6 DOVER STD. D-1 Street Sign
NOT TO SCALE

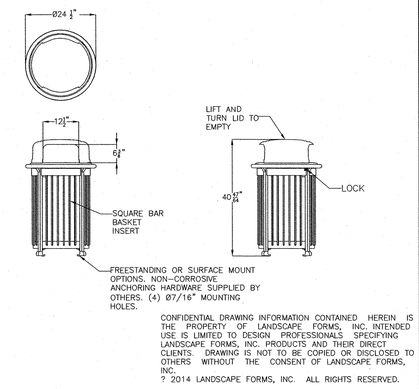
Scarborough — Product Drawing
Bench, 72" Backed, with Horizontal Strap Seat
Date: 5/19/2010
www.landscapeforms.com Ph: 800.521.2546



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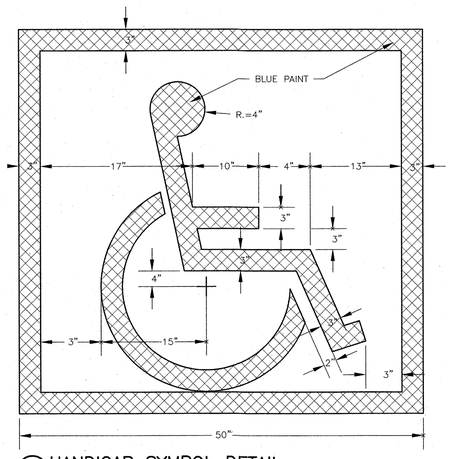
7 PARK BENCH DETAIL
NOT TO SCALE

Scarborough — Product Drawing
Litter Receptacle, Side Opening, 30 Gallon, Square Bar, with Lock
Date: 5/19/2010
www.landscapeforms.com Ph: 800.521.2546

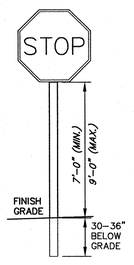


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8 TRASH BIN DETAIL
NOT TO SCALE



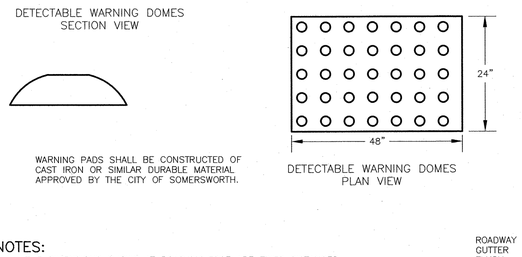
9 HANDICAP SYMBOL DETAIL
NOT TO SCALE



SEE SHEET C-1 FOR LOCATION OF THIS SIGN.
(SET 2.0' HORIZONTALLY TO FACE OF CURBING OF THE STREET)

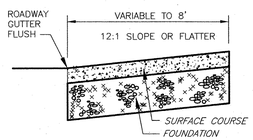
TYPICAL SIGNS
NOT TO SCALE

10 STOP SIGN
NOT TO SCALE



NOTES:
1. THE DIMENSIONS SHOWN AT ROADWAY EDGE ARE FIXED DISTANCES.
2. RAMP CROSS SECTION TO BE SAME AS ADJACENT SIDEWALK; I.E., DEPTH OF SURFACE AND FOUNDATION.
3. PORTLAND CEMENT CONCRETE RAMPS ARE TO BE TEXTURED BY BROOMING IN A DIRECTION PARALLEL TO THE LENGTH OF THE RAMP.
4. SIDEWALKS THAT CROSS DRIVEWAYS SHALL BE RAMPED TO MEET THE GRADE OF DRIVEWAY.
5. THESE DIMENSIONS ARE SUBJECT TO CHANGE IN THE FIELD IF EXISTING APPURTENANCES OR CONDITIONS WILL MAKE THE RAMP LOCATIONS IMPRACTICAL OR UNSAFE.
6. DETECTABLE WARNINGS TO BE INSTALLED 6" FROM EDGE OF RAMP
7. DETECTABLE WARNINGS PADS SHALL BE CONSTRUCTED OF CAST IRON OR SIMILAR DURABLE MATERIAL APPROVED BY THE CITY OF SOMERSWORTH.

4. INSTALL HANDICAP ACCESSIBLE REINFORCED CONCRETE RAMP (MAXIMUM SLOPE = 1" IN 12") FROM PAVEMENT GRADE TO SIDEWALK GRADE IN COMPLIANCE WITH ALL A.D.A. STANDARDS, PER DETAIL 6, SHEET SP-5.



SECTION A-A

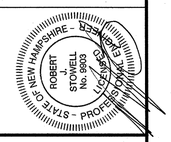
W	L	S.Y.
5'-0"	2'-9"±	6.3
6'-0"	2'-0"±	7.2
7'-0"	1'-3"±	8.0
8'-0"	0'-0"	8.1

11 WHEEL CHAIR RAMP
NOT TO SCALE

TRITECH
ENGINEERING CORPORATION
795 CENTRAL AVENUE
DOVER, NEW HAMPSHIRE 03820
TELEPHONE 603 749 9107
FAX 603 742 3820

ISSUED FOR TRC REVIEW
October 24, 2024

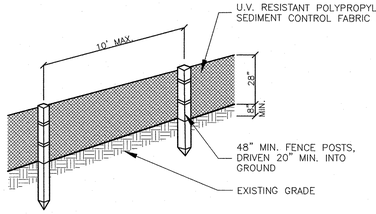
REVISIONS
DATE: DESCRIPTION:
9-12-24 REVISED PER TRC COMMENTS



CONSTRUCTION DETAILS
103 COURT STREET
103 COURT STREET
DOVER, NEW HAMPSHIRE
STRAFFORD COUNTY
AUGUST 15, 2024
JOB No. 24101

SHEET No.
SP-8

(P24-0012)



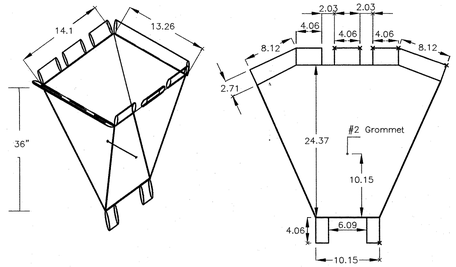
PERSPECTIVE VIEW

NOTES

1. THE GEOTEXTILE FABRIC SHALL MEET THE DESIGN CRITERIA FOR BEST MANAGEMENT PRACTICE FOR SILT FENCES, OF THE "STORMWATER MANAGEMENT AND EROSION AND SEDIMENT CONTROL HANDBOOK FOR URBAN AND DEVELOPING AREAS IN NEW HAMPSHIRE" PREPARED BY ROCKINGHAM COUNTY CONSERVATION DISTRICT, DATED AUGUST 1992.
2. THE FABRIC SHALL BE EMBEDDED A MINIMUM OF 8 INCHES INTO THE GROUND AND THE SOIL COMPACTED OVER THE EMBEDDED FABRIC.
3. WHEN TWO SECTIONS OF FILTER CLOTH ADJOIN EACH OTHER, THEY SHALL BE OVERLAPPED BY 6 INCHES, FOLDED AND STAPLED.
4. FENCE POSTS SHALL BE A MINIMUM OF 36 INCHES LONG AND DRIVEN A MINIMUM OF 20 INCHES INTO THE GROUND. WOOD POSTS SHALL BE OF SOUND QUALITY HARDWOOD AND SHALL HAVE A MINIMUM CROSS SECTIONAL AREA OF 3.0 SQ.IN..
5. MAINTENANCE SHALL BE PERFORMED AS NEEDED TO PREVENT BULGES IN THE SILT FENCE DUE TO DEPOSITION OF SEDIMENT.
6. REMOVE BY HAND AND PROPERLY DISPOSE OF ALL SEDIMENT PRIOR TO REMOVING FENCE.

SECTION

1 SILT FENCE
NOT TO SCALE



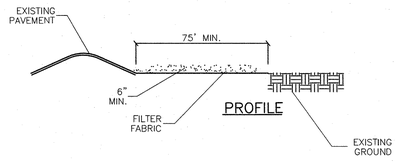
* INSTALL IN CB #101, #102, #103, #104 & EX CB #5944

Specifications:

a) Fabric used should not be laminated.
b) Silt sack to have two #2 grommets, one on each of the two sides, 15" from the bottom of the silt sack
c) Tie 1/4" wide yellow rope 19" long through the grommets on two sides of the silt sack.

2 Hi Vis Hi Flow Silt Sack
NOT TO SCALE

1. GRADE AND COMPACT ACCESS ROAD ENTRANCE AS NECESSARY PLACE FILTER FABRIC (MIRAFI OR EQUAL) AND PLACE 6" OF 1" – 2" STONE TO MATCH SLOPE OF EXISTING ROAD
2. PROVIDE NECESSARY SWALES OR DIVERSIONS TO MINIMIZE DIRECT FLOW OF WATER ONTO STONE AREA.
3. CONSTRUCTION ENTRANCE SHALL BE MAINTAINED AS NECESSARY TO REMOVE SILT FROM TIRES PRIOR TO ENTERING PUBLIC ROADS. A SMALL SWALE SHALL BE CONSTRUCTED ON THE DOWN GRADIENT SIDE TO TRAP ANY SILT WASHED FROM THE STONE.
4. HAYBALES OR SILT FENCE SHALL BE PLACED ON THE DOWN GRADIENT SIDE AS SHOWN ON THE EROSION CONTROL PLAN.

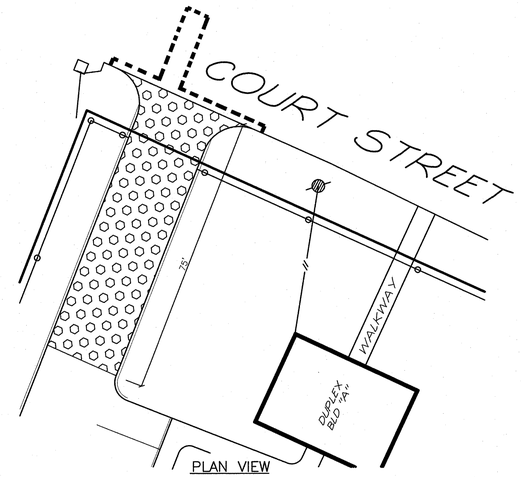


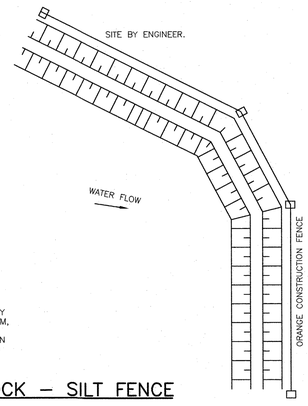
PROFILE

5 STABILIZED CONSTRUCTION ENTRANCE
NOT TO SCALE

NOTES:
1. SIGN SHALL HAVE BLACK LETTERS ON A WHITE BACKGROUND
2. SIGN SHALL BE WEATHER RESISTANT AND SECURED TO THE GROUND
3. HOURS ON THE SIGN SHALL COMPLY WITH ALL PLANNING BOARD CONDITIONS OF APPROVAL.

3 DOVER STD. D-2 Construction Sign
NOT TO SCALE

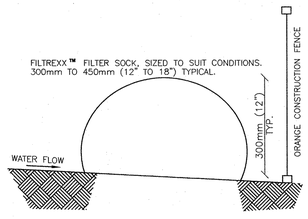




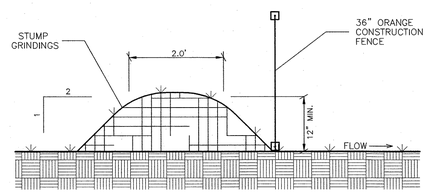
NOTES
1.) ALL MATERIAL TO MEET FILTREXX SPECIFICATIONS.
2.) THE CONTRACTOR SHALL MAINTAIN THE COMPOST FILTER BERM IN A FUNCTIONAL CONDITION AT ALL TIMES AND IT SHALL BE ROUTINELY INSPECTED.
3.) WHERE IT REQUIRES REPAIR , IT WILL BE ROUTINELY REPAIRED.
4.) THE CONTRACTOR SHALL REMOVE SEDIMENTS COLLECTED AT THE BASE OF THE BERM WHEN THEY REACH 1/3 OF THE EXPOSED HEIGHT OF THE BERM, OR AS DIRECTED BY THE ENGINEER.
5.) THE COMPOST FILTER BERM WILL BE DISPERSED ON SITE WHEN NO LONGER REQUIRED, AS DETERMINED BY THE ENGINEER.

9 FILTREXX SOCK – SILT FENCE
NOT TO SCALE

TYPICAL BERM FOR MINIMAL GRADES SHOWN. FOR STEEPER GRADES, I.E. 2:1 SLOPES INCREASE BERM SIZE AS DETERMINED ON



1. BERMS SHALL BE USED IN AREAS WHERE EROSION WILL OCCUR ONLY IN THE FORM OF SHEET EROSION AND THERE WILL BE NO CONCENTRATION OF WATER IN A CHANNEL OR DRAINAGE WAY ABOVE THE BERM.
2. THE BERMS SHALL BE INSTALLED FOLLOWING THE CONTOUR OF THE LAND AS CLOSE AS POSSIBLE.
3. THE BERMS SHALL BE INSTALLED ON SLOPES OF LESS THAN 5%.
4. THE MIX SHALL HAVE AN ORGANIC PORTION BETWEEN 80 AND 100%, DRY MASS WEIGHT BASIS, AND BE FIBEROUS AND ELONGATED SUCH AS FROM SHREDDED BARK, STUMP GRINDINGS, COMPOSED BARK, OR EQUIVALENT MANUFACTURED PRODUCTS.
5. WOOD AND BARK CHIPS, GROUND CONSTRUCTION DEBRIS, OR REPROCESSED WOOD PRODUCTS SHALL NOT BE USED AS ORGANIC MATERIALS.
6. THE MIX SHALL NOT CONTAIN SILTS, CLAY OR FINE SANDS.
7. THE MIX SHALL HAVE A PARTICLE SIZE BY WEIGHT OF 70 TO 85% PASSING A 6-INCH SCREEN AND A MAXIMUM OF 85% PASSING THE 0.75-INCH SCREEN.



11 EROSION CONTROL MULCH BERM
NOT TO SCALE

1. THE PROJECT SHALL BE MANAGED TO MEET THE REQUIREMENTS AND INTENT OF RSA 430:53 AND AGR 3800 RELATIVE TO INVASIVE SPECIES.
2. FUGITIVE DUST SHALL BE CONTROLLED IN ACCORDANCE WITH ENV-A 1000.

CRITICAL AREAS

Anywhere on the site that existing vegetation is to be removed will require immediate erosion control treatment. Special care should be taken where runoff enters wetlands. All storm water practices areas shall be stabilized prior to directing storm water to them; specifically all bioretntion basins and all infiltration practices.

EROSION AND SEDIMENT CONTROL PRACTICES

Erosion and sediment control practices will include the use of rip-rap, and silt fence check dams. All erosion and sediment control practices will be constructed and maintained according to the minimum standards and specifications contained in the "New Hampshire Stormwater Manual, Volume 2".

A. Erosion and Sediment Control Measures

1. The erosion control procedures shall conform to Section 645 of the "Standard Specifications for Road and Bridge Construction" of the NH DOT, and the "New Hampshire Stormwater Manual."
2. During Construction and thereafter, erosion control measures are to be implemented as noted. The smallest practical area of land should be exposed at any one time during development. The amount of exposed areas which are temporarily stabilized without permanent stabilization shall be limited to 5 acres.
3. During grading operations, install stone check dams at 50 foot intervals in drainage swales and at drain inlets where shown. Barriers are to be maintained and cleaned until disturbed areas are stabilized.
4. Any disturbed areas which are to be left temporarily, and which will be regraded later during construction shall be machine hay mulched and seeded with rye grass to prevent erosion.
5. Silt fences and other erosion control measures shall be inspected weekly and after every 0.25" rainfall event during the life of the project. All damaged silt fences shall be repaired. Sediment deposits shall periodically be removed.
6. Avoid the use of future open spaces (loam and seed areas) wherever possible during the construction. Construction traffic shall use the roadbeds of future roads and parking areas.
7. Topsoil required for the establishment of vegetation shall be stock piled in amounts necessary to complete finished grading of all exposed areas.
8. Areas to be filled shall be cleared, grubbed, and stripped of topsoil to remove trees, vegetation, roots or other objectionable material. Stumps shall be disposed by grinding or fill in an approved facility.
9. All fills shall be placed and compacted to reduce erosion, slippage settlement, subsidence or other related problems.
10. All fill shall be placed and compacted in layers not to exceed 8 inches in thickness.
11. Frozen material or soft, mucky or highly compressible material shall not be incorporated into fills.
12. Fill material shall not be placed on a frozen foundation subgrade.
13. Disturbed areas shall be seeded immediately following finished grading.
14. Limit of exposed area that is temporarily stabilized without permanent stabilization is 5 acres or less.
15. All areas not stabilized by Nov. 1st must be protected by Erosion Control Blankets or equivalent and mulched/seeded with winter rye or oats.
16. All disturbed areas must be seed and mulched within 3 days of final grading, permanently stabilized within 15 days of final grading or temporarily stabilized within 45 days of initial disturbance.
17. All ditches and swales are to be stabilized prior to directing runoff to these features.
18. All cut and fill slopes shall be seeded immediately.
19. An area shall be considered stable if one of the following has occurred:
    a.) Base course gravels are installed in areas to be paved
    b.) A minimum of 85% vegetated growth has been established
    c.) A minimum of 3" of non-erosive material such as stone or riprap has been installed
    d.) Erosion control blankets have been properly installed.

B. Vegetative Practice

All ground areas opened up for construction will be regraded, loamed, seeded and mulched in the shortest practical time. All Temporary and Permanent Seeding must be applied prior to October 1st. Employ temporary erosion and sedimentation control devices as detailed in this plan as necessary until adequate stabilization has been assured.

A. Temporary Seeding & Hay Mulching

1. At no time shall any disturbed area remain unstabilized for longer than 30 days. All areas where construction is not completed within 30 days of the initial disturbance shall receive temporary seeding measures.
2. Fertilizer shall be spread on the top layer of loam and worked into the surface. Fertilizer application rate shall be 300 pounds per acre of 10-10-10 fertilizer.
3. Seed shall be Winter Rye, 112 LBS. per acre.
4. Remove stones and trash that will interfere with seeding the area. Where feasible, till the soil to a depth of about 3 inches to prepare a seedbed and mix fertilizer into the soil. The seedbed should be left in a firm and smooth condition. The last tillage operation should be performed across the slope whenever practical.
5. If seeding between May 15th and August 15th, hay mulch shall be applied immediately after seeding at a rate of 1.5 to 2 tons per acre and shall be held in place using appropriate techniques from the Erosion and Sediment Control Handbook.
6. The surface shall be watered and kept moist with a fine spray as required without washing away the soil, until the grass is well established. Any areas which are not satisfactorily covered with grass shall be reseeded, and all noxious weeds are removed.

B. Permanent Seeding & Hay Mulching

1. All disturbed areas shall be loamed (4") and limed. Lime shall be thoroughly incorporated into the loam layer at a rate of 2 tons per acre.
2. Fertilizer shall be spread on the top layer of loam and worked into then surface. Fertilizer application rate shall be 500 pounds per acre of 10-20-20 fertilizer.
3. Seed shall be 48 lbs. per acre, SCS mixture "c" (20 lbs tall fescue, 20 lbs. creeping red fescue and 8 lbs. birds foot trefoil = 48 lbs total.) The soil shall be lightly raked immediately before seeding. One half the seed shall be sown in one direction and the other half at right angles to the original direction. It shall be lightly raked in to the soil to a depth not over 1/4 inch and rolled with hand roller weighing not over 100 points per linear foot to width.
4. Hay mulch shall be applied immediately after seeding at a rate of 1.5 to 2 tons per acre and shall be held in place using appropriate techniques from the Erosion and Sediment Control Handbook. The surface shall be watered and kept moist with a fine spray as required, without washing away the soil, until the grass is well established. Any areas which are not satisfactorily covered with grass shall be reseeded, and all noxious weeds removed.

CONSTRUCTION SEQUENCE

1. Do not begin construction until all local, state and federal permits have been applied for and received.
2. Install silt fences filtrex sock as necessary to control erosion and prevent sediment contamination prior to any earth moving activities.
3. Cut and remove trees, shrubs, saplings, brush, vines and other debris and rubbish as specified for construction.
4. Care shall be taken to preserve the infiltration capacity of the infiltrating soil. See the New Hampshire Stormwater Manual for additional information.
5. Construct stormwater Filtration Practice (Bio #1). Do not direct runoff to these practices until the practice and contributing areas are fully stabilized.
6. Building construction may begin.
7. Construct driveways, parking and utilities.
8. Loam and seed disturbed areas in accordance with vegetative practice and general construction notes. Cut and fill slopes shall be seeded immediately after their construction.
9. All areas receiving runoff, including but not limited to the stormwater infiltration shall be stabilized prior to directing runoff to them.
10. All soils that are finish graded must be stabilized within 72 hours of disturbance.
11. Maintain disturbed areas as necessary.

MAINTENANCE

During the period of construction and/or until long term vegetation is established:
1. Seeded areas will be fertilized and reseeded as necessary to insure vegetative establishment.
2. The side slopes will be checked after each significant rainfall.
3. The side slopes will be checked weekly and repaired when necessary until adequate vegetation is established.
4. The silt fence barriers will be checked regularly. Necessary repairs will be made to correct undermining or deterioration of the structures.

WINTER CONSTRUCTION NOTES

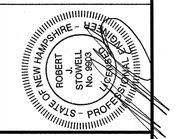
1. All proposed vegetated areas which do not exhibit a minimum of 85% vegetation growth by October 15th, or which are disturbed after October 15th, shall be stabilized by seeding and installing erosion control blankets on slopes greater than 3:1, and seeding and placing 3 to 4 tons of mulch per acre, secured with anchored netting, elsewhere. The installation of erosion control blankets or mulch and netting shall not occur over accumulated snow or on frozen ground and shall be completed in advance of thaw or spring melts.
2. All ditches or swales which do not exhibit a minimum of 85% vegetation growth by October 15th, or which are disturbed after October 15th, shall be stabilized temporarily with stone or erosion control blankets appropriate for the design flow conditions.
3. After November 15th, incomplete road or parking surfaces, where work has stopped for the winter season, shall be protected with a minimum of 3 inches of crushed gravel per NHDOT item 304.3.

12 EROSION AND SEDIMENT CONTROL NOTES

TRITECH
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ISSUED FOR TRC REVIEW
October 24, 2024

REVISIONS
DATE: DESCRIPTION:
9-12-24 REVISED PER TRC COMMENTS



CONSTRUCTION DETAILS

103 COURT STREET

103 COURT STREET
DOVER, NEW HAMPSHIRE
STRAFFORD COUNTY

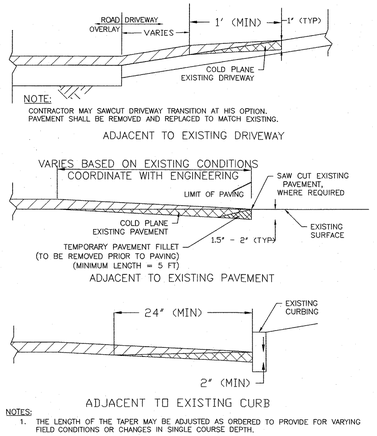
AUGUST 15, 2024

JOB No. 24101

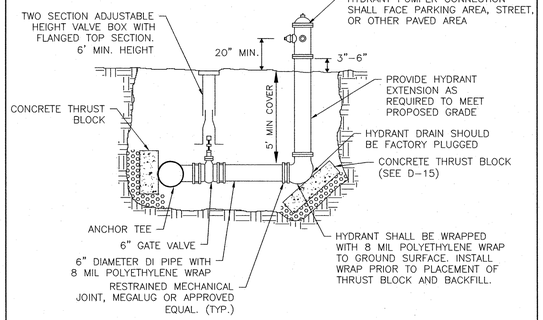
SHEET No.

SP-9

(P24-0012)

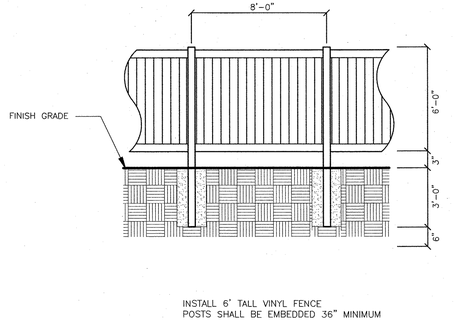


1 DOVER STD. D-12 Pavement Overlay Details
NOT TO SCALE



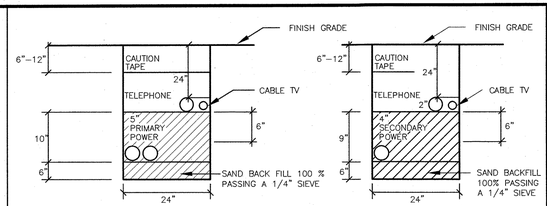
NOTES:
1. FIRE HYDRANTS SHALL BE FACTORY SEALED EDDY STYLE 2641.
2. HYDRANT SHALL BE PAINTED RED WITH EPOXY PAINT AS RECOMMENDED BY THE HYDRANT MANUFACTURER.
3. HYDRANT SHALL OPEN LEFT.

2 DOVER STD. D-14 FIRE HYDRANT
NOT TO SCALE



INSTALL 6' TALL VINYL FENCE
POSTS SHALL BE EMBEDDED 36" MINIMUM

3 VINYL STOCKADE FENCE DETAIL
NOT TO SCALE

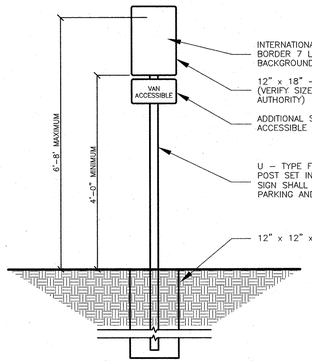


ELECTRICAL TRENCH "A"
NOT TO SCALE

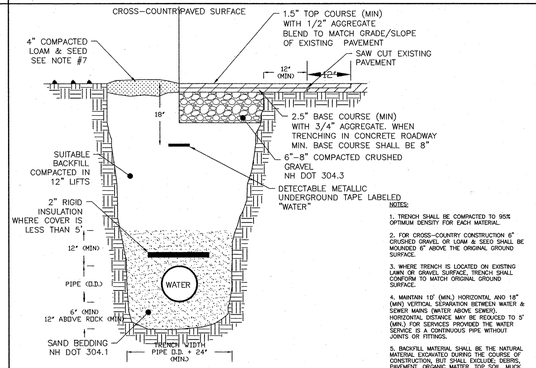
ELECTRICAL TRENCH "B"
NOT TO SCALE

1.) TELEPHONE CONDUIT SHALL BE 3" SCHEDULE 40 PVC, WITH STEEL SWEEPS AT RISER POLE, 90° BENDS AND AT BUILDING.
2.) LEAVE PULL ROPE IN ALL CONDUITS FOR CABLE INSTALLATION.
3.) FOR COMPLETE SPECIFICATION SEE "PUBLIC SERVICE COMPANY OF NEW HAMPSHIRE CONSTRUCTION SPECIFICATIONS FOR UNDERGROUND CONDUIT SYSTEMS".
4.) CONTRACTOR SHOULD VERIFY THE NUMBER & SIZE OF CONDUIT WITH THE APPROPRIATE UTILITIES.

4 ELECTRICAL TRENCH
NOT TO SCALE

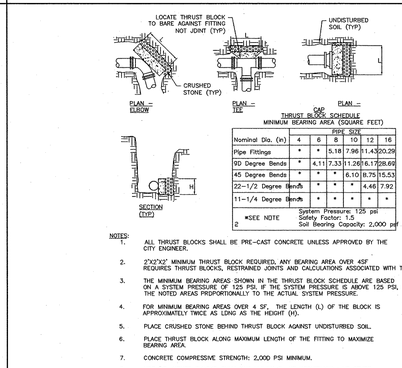


5 GENERIC SIGN
NOT TO SCALE



NOTES:
1. TRENCH SHALL BE COMPACTED TO 95% OPTIMUM DENSITY FOR EACH MATERIAL.
2. FOR CROSS-COUNTRY CONSTRUCTION 6" CRUSHED GRAVEL OR LOAM & SEED SHALL BE MOUNDED 6" ABOVE THE ORIGINAL GROUND SURFACE.
3. WHERE TRENCH IS LOCATED ON EXISTING LAWN OR GRAVEL SURFACE, TRENCH SHALL CONFORM TO MATCH ORIGINAL GROUND SURFACE.
4. MAINTAIN 10' (MIN.) HORIZONTAL AND 18" (MIN) VERTICAL SEPARATION BETWEEN WATER & SEWER MAINS. (WATER ABOVE SEWER). HORIZONTAL DISTANCE MAY BE REDUCED TO 5' (MIN.) IF IS SURVEYED PROVIDED THE WATER SERVICE IS CONTINUOUS PIPE WITHOUT JOINTS OR FITTINGS.
5. BACKFILL MATERIAL SHALL BE THE NATURAL MATERIAL EXCAVATED DURING THE COURSE OF CONSTRUCTION, BUT SHALL EXCLUDE DEBRIS, PAVEMENT, ORGANIC MATTER, TOP SOIL, MUCK, PEAT, AND ROCKS OVER 6" IN LARGEST DIMENSION.
6. PROVIDE MINIMUM 5' OF COVER. ENGINEERING APPROVAL REQUIRED FOR LESS THAN 5' OF COVER.
7. LOAM AND SEED SHOULD BE IN COMPLIANCE WITH NH DOT 641, 642, 643, 644 AND 645.

6 DOVER STD. D-4 Water Trench
NOT TO SCALE

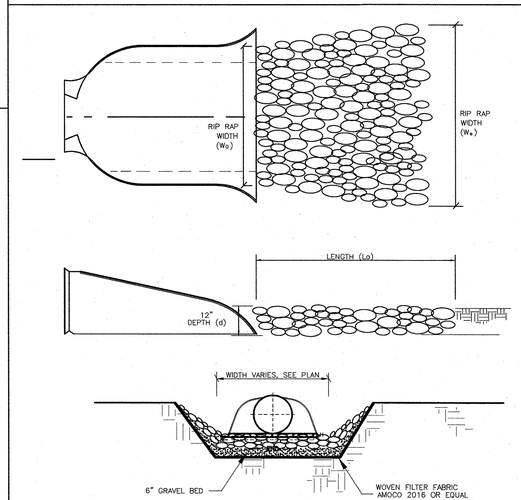


THRUST BLOCK SCHEDULE
MINIMUM BEARING AREA (SQUARE FEET)

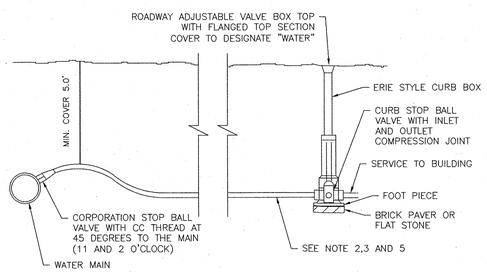
	PIPE SIZE					
Nominal Dia. (in)	4	6	8	10	12	16
Pipe Fittings	*	*	5.18	7.96	11.43	20.29
90 Degree Bends	*	4.11	7.33	11.26	16.17	28.69
45 Degree Bends	*	*	*	6.10	8.75	15.53
22-1/2 Degree Bends	*	*	*	*	4.46	7.92
11-1/4 Degree Bends	*	*	*	*	*	*
2 *SEE NOTE	System Pressure: 125 psi Safety Factor: 1.5 Soil Bearing Capacity: 2,000 psf					

NOTES:
1. ALL THRUST BLOCKS SHALL BE PRE-CAST CONCRETE UNLESS APPROVED BY THE CITY ENGINEER.
2. 2'X2'X2' MINIMUM THRUST BLOCK REQUIRED, ANY BEARING AREA OVER 4SF REQUIRES THRUST BLOCKS, RESTRAINED JOINTS AND CALCULATIONS ASSOCIATED WITH THE JOINT.
3. THE MINIMUM BEARING AREAS SHOWN IN THE THRUST BLOCK SCHEDULE ARE BASED ON A SYSTEM PRESSURE OF 125 PSI. IF THE SYSTEM PRESSURE IS ABOVE 125 PSI, INCREASE THE NOTED AREAS PROPORTIONALLY TO THE ACTUAL SYSTEM PRESSURE.
4. FOR MINIMUM BEARING AREAS OVER 4 SF, THE LENGTH (L) OF THE BLOCK IS APPROXIMATELY TWICE AS LONG AS THE HEIGHT (H).
5. PLACE CRUSHED STONE BEHIND THRUST BLOCK AGAINST UNDISTURBED SOIL.
6. PLACE THRUST BLOCK ALONG MAXIMUM LENGTH OF THE FITTING TO MAXIMIZE BEARING AREA.
7. CONCRETE COMPRESSIVE STRENGTH: 2,000 PSI MINIMUM.
8. USE OF THRUST BLOCKS DOES NOT ELIMINATE THE REQUIREMENT OF OTHER RESTRAINTS OR VICE VERSA.

7 DOVER STD. D-15 THRUST BLOCK
NOT TO SCALE

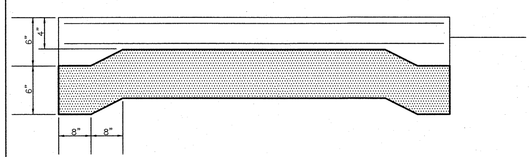


8 RIPRAP DETAIL
NOT TO SCALE

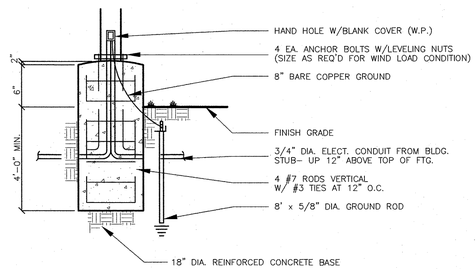


NOTES:
1. ALL WATER LINES 4" OR GREATER SHALL BE DUCTILE IRON WITH AN 8 MIL POLYETHYLENE WRAP, INCLUDING TEE AND OTHER CONNECTIONS.
2. WATER SERVICE LINES SHALL BE COPPER TUBING (TYPE K) BETWEEN MAIN AND CURB STOP.
3. SERVICE BETWEEN CURB STOP AND BUILDING MAY BE (BLUE OR BLACK) CTS SDR 9 PLASTIC POLYETHYLENE RATED FOR 250 psi.
4. CAM-LOCK REQUIRED FOR CTS OR IPS, MJ ADAPTER REQUIRED FOR HDPE
5. ¾"- COPPER, CTS
1"- COPPER, CTS
2"- CTS, HDPE, IPS

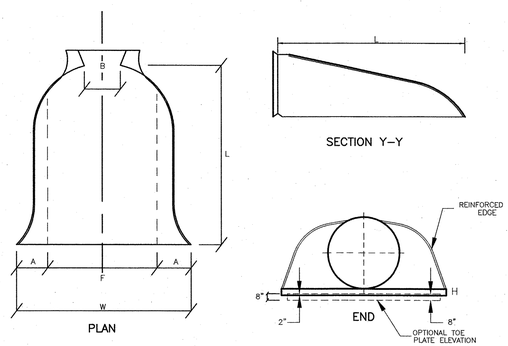
9 DOVER STD. D-13 WATER SERVICE CONNECTION
NOT TO SCALE



10 CONCRETE PAD DETAIL
NOT TO SCALE



11 SITE LIGHTING BASE
NOT TO SCALE



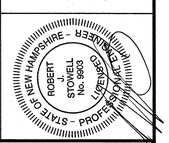
DIA	A	B	H	F	L	W
12"	5"	7"	6"	22"	21"	44"

12 CMP FLARED END SECTION
NOT TO SCALE

TRITECH
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ISSUED FOR TRC REVIEW
October 24, 2024

REVISIONS
DATE: 9-12-24
DESCRIPTION: REVISED PER TRC COMMENTS



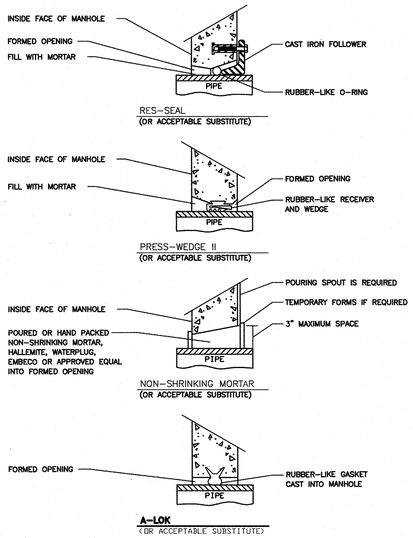
CONSTRUCTION DETAILS

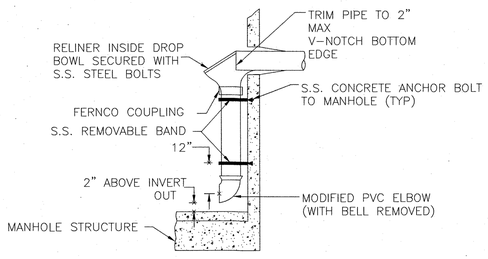
103 COURT STREET

103 COURT STREET
DOVER, NEW HAMPSHIRE
STRAFFORD COUNTY
AUGUST 15, 2024
JOB No. 24101

SHEET No.
SP-10

(P24-0012)



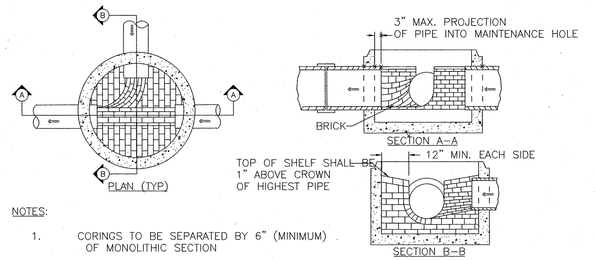


INTERNAL DROP

NOTES:

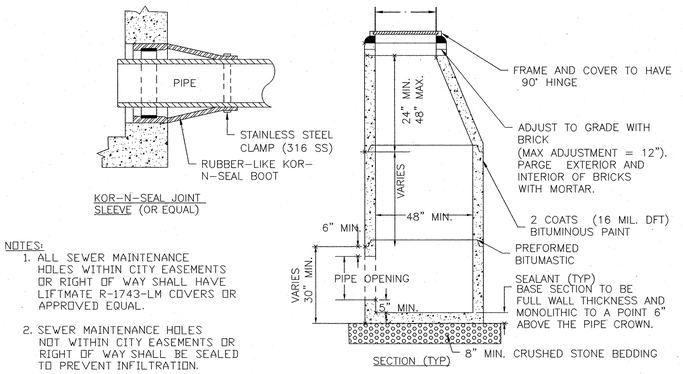
1. INTERNAL DROPS ARE PROHIBITED UNLESS APPROVED BY THE CITY ENGINEER.
2. IF DROP IS FOR AN EXISTING MANHOLE, REWORK SHELF TO FORM NEW CHANNEL FOR NEW DROP CONNECTIONS.
3. BRICK INVERT NOT SHOWN ON DETAIL.

DOVER STD. D-18 MH DROP INLET



NOTES:

1. CORINGS TO BE SEPARATED BY 6" (MINIMUM) OF MONOLITHIC SECTION



NOTES:

1. ALL SEWER MAINTENANCE HOLES WITHIN CITY EASEMENTS OR RIGHT OF WAY SHALL HAVE LIFTMATE R-1743-LM COVERS OR APPROVED EQUAL.
2. SEWER MAINTENANCE HOLES NOT WITHIN CITY EASEMENTS OR RIGHT OF WAY SHALL BE SEALED TO PREVENT INFILTRATION.

DOVER STD. D-16 SEWER MANHOLE

GENERAL NOTES

1) IT IS THE INTENTION THAT THE MANHOLE, INCLUDING ALL COMPONENT PARTS, HAVE ADEQUATE SPACE, STRENGTH AND LEAK PROOF QUALITIES CONSIDERED NECESSARY FOR THE INTENDED SERVICE. SPACE REQUIREMENTS AND CONFIGURATIONS, SHALL BE AS SHOWN ON THE DRAWING. MANHOLES SHALL BE AN ASSEMBLY OF PRECAST SECTIONS, WITH STEEL REINFORCEMENT, WITH ADEQUATE JOINTING, OR CONCRETE CAST MONOLITHICALLY IN PLACE WITH REINFORCEMENT. IN ANY APPROVED MANHOLE, THE COMPLETE STRUCTURE SHALL BE OF SUCH MATERIAL AND QUALITY AS TO WITHSTAND LOADS OF 8 TONS(H-20 LOADING) WITHOUT FAILURE AND PREVENT LEAKAGE IN EXCESS OF ONE GALLON PER DAY PER VERTICAL FOOT OF MANHOLE, CONTINUOUSLY FOR THE LIFE OF THE STRUCTURE. A PERIOD GENERALLY IN EXCESS OF 25 YEARS IS TO BE UNDERSTOOD IN BOTH CASES.

2) BARRELS AND CONE SECTIONS SHALL BE PRECAST REINFORCED CONCRETE, OR POURED IN PLACE REINFORCED CONCRETE.

3) PRECAST CONCRETE BARREL SECTIONS, CONES AND BASES SHALL CONFORM TO ASTM C478.

4) LEAKAGE TEST SHALL BE PERFORMED IN ACCORDANCE WITH THE SPECIFICATIONS.

5) INVERTS AND SHELVES: MANHOLES SHALL HAVE A BRICK PAVED OR PRECAST CONCRETE SHELF AND INVERT, CONSTRUCTED TO CONFORM TO THE SIZE OF THE PIPE AND FLOW. AT CHANGES IN DIRECTIONS, THE INVERTS SHALL BE LAID OUT IN CURVES OF THE LONGEST RADIUS POSSIBLE TANGENT TO THE CENTER LINE OF THE SEWER PIPES. SHELVES SHALL BE CONSTRUCTED TO THE ELEVATION OF THE HIGHEST PIPE CROWN AND SLOPE TO DRAIN TOWARD THE FLOWING THROUGH CHANNEL. UNDERLAYMENT OF INVERT AND SHELF SHALL CONSIST OF BRICK MASONRY OR PRECAST CONCRETE.

6) FRAMES AND COVERS: MANHOLES FRAMES AND COVERS SHALL BE OF HEAVY DUTY DESIGN AND PROVIDE A 30-INCH CLEAR OPENING. A 3-INCH (MINIMUM HEIGHT) WORD "SEWER" FOR SEWERS AND "DRAIN" FOR DRAINS SHALL BE PLAINLY CAST INTO THE CENTER OF EACH COVER

7) BEDDING: SCREENED GRAVEL AND/OR CRUSHED STONE FREE FROM CLAY, LOAM, ORGANIC MATTER AND MEETING ASTM C33, SIZE NUMBER 67.
100% PASSING 1 INCH SCREEN 0-10% PASSING #4 SIEVE
90-100% PASSING INCH SCREEN 0-5% PASSING #8 SIEVE
20-55% PASSING INCH SCREEN
WHERE ORDERED BY THE ENGINEER TO STABILIZE THE BASE, SCREENED GRAVEL OR CRUSHED STONE INCH TO 1 INCH SHALL BE USED.

8) FLEXIBLE JOINT: A FLEXIBLE JOINT SHALL BE PROVIDE WITHIN THE FOLLOWING DISTANCES: RCP & CI PIPE - ALL SIZES - 48"

9) SHALLOW MANHOLE: IN LIEU OF A CONE SECTION, WHEN MANHOLE DEPTH IS LESS THAN 6 FEET, A REINFORCED CONCRETE SLAB COVER MAY BE USED HAVING AN ECCENTRIC ENTRANCE OPENING AND CAPABLE OF SUPPORTING H-20 LOADS.

10) MANHOLE STEPS MAY BE PERMITTED UPON REQUEST BY THE OWNER AS SECONDARY ADDITIONAL SAFETY FEATURE SUPPLEMENTARY TO THE PRIMARY PORTABLE LADDER ENTRY AND WHEN INSTALLED UNDER THE FOLLOWING CONDITIONS:

1. THE STEPS SHALL BE MANUFACTURED OF PLASTIC. THEY SHALL BE SHAPED SO THEY CANNOT BE PULLED OUT OF THE CONCRETE WALL IN WHICH THEY ARE EMBEDDED.
2. THE STEPS SHALL BE EMBEDDED IN THE CONCRETE BY THE MANUFACTURER DURING MANUFACTURE OR IMMEDIATELY FOLLOWING REMOVAL OF FORMS. SECURING THE STEPS WITH MORTAR IN DRILLED OR CAST HOLES, WILL NOT BE ACCEPTABLE.
3. THE STEPS SHALL BE OF THE DROP TYPE WITH A DEPRESSED SECTION FOR HANDHOLD. APPROXIMATELY 14"X10" IN DIMENSION.

11) HORIZONTAL JOINTS BETWEEN SECTIONS OF PRECAST CONCRETE BARRELS SHALL BE OF A TYPE APPROVED BY THE ENGINEER, WHICH TYPE SHALL, IN GENERAL, DEPEND FOR WATERTIGHTNESS UPON AN ELASTOMERIC OR MASTIC-LIKE GASKET. APPROVED ELASTOMERIC SEALANTS ARE: RAM-NEK
KENT SEAL NO.2
EZ

12) PIPE TO MANHOLE JOINTS SHALL BE ONLY AS APPROVED BY THE ENGINEER AND IN GENERAL, WILL DEPEND FOR WATERTIGHTNESS UPON EITHER AN APPROVED NON-SHRINKING MORTAR OR ELASTOMERIC SEALANT.

DOVER STD. D-16 SEWER MANHOLE

TRITECH
ENGINEERING CORPORATION
755 CENTRAL AVENUE
DOVER, NEW HAMPSHIRE 03820
TELEPHONE 603 742 8107
FAX 603 742 3830

ISSUED FOR TRC REVIEW
October 24, 2024

REVISIONS
DATE: DESCRIPTION:
9-12-24 REVISED PER TRC COMMENTS
10-24-24 REVISED PER TRC COMMENTS

STATE OF NEW HAMPSHIRE - ROBERT J. STOWELL No. 9865 - PROFESSIONAL ENGINEER

SEWER DETAILS

103 COURT STREET

103 COURT STREET
DOVER, NEW HAMPSHIRE
STRAFFORD COUNTY

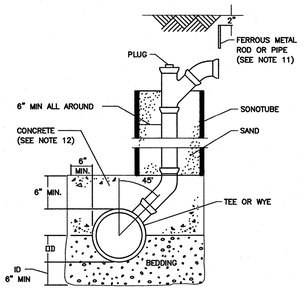
AUGUST 15, 2024

JOB No. 24101

SHEET No.

SP-11

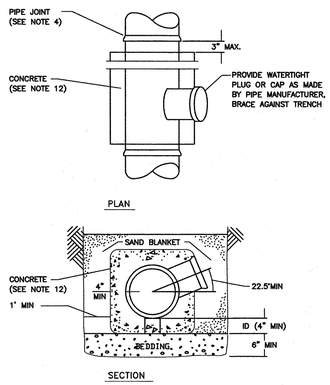
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NO BACKFILLING BEFORE CONCRETE HAS TAKEN INITIAL SET (7 HRS. MIN.). BACKFILLING TO BE BROUGHT UP EVENLY ON ALL SIDES.

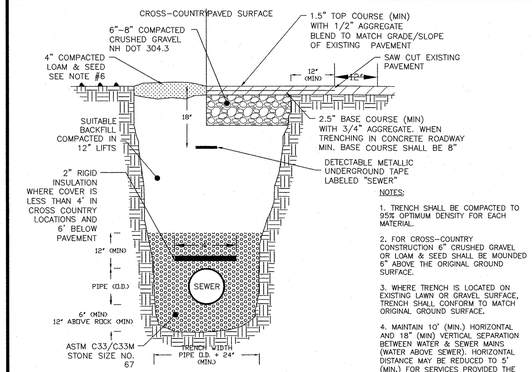
CHIMNEY (SEE NOTE 13)

NOT TO SCALE



CONCRETE FULL ENCASEMENT

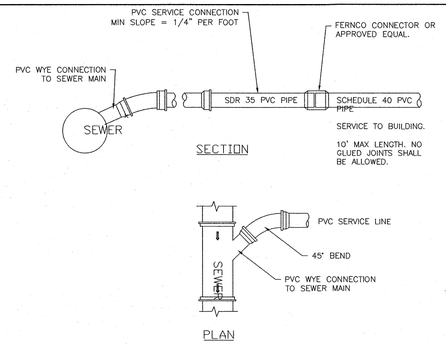
NOT TO SCALE



NOTES:

1. TRENCH SHALL BE COMPACTED TO 95% OPTIMUM DENSITY FOR EACH MATERIAL.
2. FOR CROSS-COUNTRY CONSTRUCTION 6" CRUSHED GRAVEL OR LOAM & SEED SHALL BE MOUNDED 6" ABOVE THE ORIGINAL GROUND SURFACE.
3. WHERE TRENCH IS LOCATED ON EXISTING LAWN OR GRAVEL SURFACE, TRENCH SHALL CONFORM TO MATCH ORIGINAL GROUND SURFACE.
4. MAINTAIN 10' (MIN.) HORIZONTAL AND 18" (MIN) VERTICAL SEPARATION BETWEEN WATER & SEWER MAINS (WATER ABOVE SEWER). HORIZONTAL DISTANCE MAY BE REDUCED TO 5' (MIN.) FOR SERVICES PROVIDED THE WATER SERVICE IS A CONTINUOUS PIPE WITHOUT JOINTS OR FITTINGS.
5. BACKFILL MATERIAL SHALL BE THE NATURAL MATERIAL EXCAVATED DURING THE COURSE OF CONSTRUCTION, BUT SHALL EXCLUDE; DEBRIS, PAVEMENT, ORGANIC MATTER, TOP SOIL, MUCK, PEAT AND ROCKS OVER 6" IN LARGEST DIMENSION
6. LOAM AND SEED SHOULD BE IN COMPLIANCE WITH NH DOT 641, 642, 643, 644 AND 645.

DOVER STD. D-3 Sewer Trench



NOTES:

1. TRENCHING AND BEDDING REQUIREMENTS PER CITY SEWER TRENCH DETAIL (D-3).
2. SERVICE LATERAL DIAMETER VARIES PER APPLICATION. REVIEW SIZE WITH CITY ENGINEER PRIOR TO INSTALLATION.
3. SDR 35 SHALL NOT EXTEND INTO THE BUILDING

DOVER STD. D-17 SEWER SERVICE

GENERAL NOTES

1) MINIMUM SIZE PIPE FOR HOUSE SERVICE SHALL BE FOUR INCHES.

2) PIPE AND JOINT MATERIALS:

A. PLASTIC SEWER PIPE

1. PIPE AND FITTINGS SHALL CONFORM TO THE FOLLOWING ASTM STANDARDS:

ASTM STANDARDS	GENERIC PIPE MATERIAL	SIZES APPROVED
D3034	*PVC (SOLID WALL)	8" THROUGH 15" (SDR 35)
F679	PVC (SOLID WALL)	18" THROUGH 27" (T-1 & T-2)
F789	PVC (SOLID WALL)	4" THROUGH 18" (T-1 TO T-3)
F794	PVC (RIBBED WALL)	8" THROUGH 36"
D2680	*ABS (COMPOSITES WALL)	8" THROUGH 15"

*PVC: POLY VINYL CHLORIDE
*ABS: ACRYLONITRILE-BUTADIENE-STYRENE

2. JOINTS SEALS FOR PVC PIPE SHALL BE OIL RESISTANT COMPRESSION RINGS OF ELASTOMERIC MATERIAL CONFORMING TO ASTM D-3212 AND SHALL BE PUSH-ON, BELL AND SPIGOT TYPE.

ABS TRUSS PIPE AND FITTINGS SHALL CONFORM TO ASTM D-2680, POLYMER COMPOUNDING SHALL BE TO ASTM D-1788 (CLASS 322).

JOINTS FOR ABS TRUSS PIPE SHALL BE CHEMICAL WELDED COUPLINGS TYPE SC IN ACCORDANCE WITH ASTM D-2680, FORMING A CHEMICAL WELDED JOINT.

B. DUCTILE-IRON PIPE, FITTINGS AND JOINTS.

1. DUCTILE IRON PIPE AND FITTINGS SHALL CONFORM TO THE FOLLOWING STANDARDS OF THE UNITED STATES OF AMERICA STANDARDS INSTITUTE:
A21.50 THICKNESS DESIGN OF DUCTILE IRON PIPE AND WITH ASTM A-536 DUCTILE IRON CASTINGS.
A21.51 DUCTILE IRON PIPE, CENTRIFUGALLY CAST IN METAL MOLDS OR SAND-LINED MOLDS FOR WATER OR OTHER LIQUIDS.

2. JOINTS SHALL BE OF THE MECHANICAL OR PUSH-ON TYPE. JOINTS AND GASKETS SHALL CONFORM TO:
A21.11 RUBBER GASKETS JOINTS FOR CAST IRON PRESSURE PIPE & FITTINGS

3) DAMAGED PIPE SHALL BE REJECTED AND REMOVED FROM THE JOB SITE.

4) JOINTS SHALL BE DEPENDENT UPON A NEOPRENE OR ELASTOMERIC GASKET FOR WATER-TIGHTNESS. ALL JOINTS SHALL BE PROPERLY MATCHED WITH THE PIPE MATERIALS USED. WHERE DIFFERING MATERIALS ARE TO BE CONNECTED, AS AT THE STREET SEWER WYE OR AT THE FOUNDATION WALL, APPROPRIATE MANUFACTURED ADAPTERS SHALL BE USED.

5) TEES AND WYES: WHERE A TEE OR WYE IS NOT AVAILABLE IN THE EXISTING STREET SEWER, AN APPROPRIATE CONNECTION SHALL BE MADE, FOLLOWING MANUFACTURERS' INSTRUCTIONS USING A BOLTED, CLAMPED OR EPOXY-CEMENTED SADDLE TAPPED INTO A SMOOTHLY DRILLED OR SAWN OPENING IN THE SEWER. THE PRACTICE OF BREAKING AN OPENING WITH A SLEDGE HAMMER, STUFFING CLOTH OR OTHER SUCH MATERIAL AROUND THE JOINT, OR APPLYING MORTAR TO HOLD THE CONNECTION, AND ANY OTHER SIMILAR CRUDE PRACTICES OR INEPT OR HASTY IMPROVISATIONS WILL NOT BE PERMITTED. THE CONNECTION SHALL BE CONCRETE ENCASED AS SHOWN IN THE DETAIL UP TO AND INCLUDING 15" DIAMETER.

6) HOUSE SEWER INSTALLATION: THE PIPE SHALL BE HANDLED, PLACED AND JOINTED IN ACCORDANCE WITH INSTALLATION GUIDES OF THE APPROPRIATE MANUFACTURER. IT SHALL BE CAREFULLY BEDDED ON A 4 INCH LAYER OF CRUSHED STONE AND/OR GRAVEL AS SPECIFIED IN NOTE 10. BEDDING AND RE-FILL FOR DEPTH OF 12 INCHES ABOVE THE TOP OF THE PIPE SHALL BE CAREFULLY AND THOROUGHLY TAMPED BY HAND OR WITH APPROPRIATE MECHANICAL DEVICES.

THE PIPE SHALL BE LAID AT A CONTINUOUS AND CONSTANT GRADE FROM THE STREET SEWER CONNECTION TO THE FOUNDATION AT A GRADE OF NOT LESS THAN INCH PER FOOT. PIPE JOINTS MUST BE MADE UNDER DRY CONDITIONS. IF WATER IS PRESENT, ALL NECESSARY STEPS SHALL BE TAKEN TO DEWATER THE TRENCH.

7) TESTING: THE COMPLETED HOUSE SEWER SHALL BE SUBJECTED TO A LEAKAGE TEST IN ANY OF THE FOLLOWING MANNERS: (PRIOR TO BACKFILLING)

A. AN OBSERVATION TEE SHALL BE INSTALLED AS SHOWN AND WHEN READY FOR TESTING, AN INFLATABLE BLADDER OR PLUG SHALL BE INSERTED JUST UPSTREAM FROM THE OPENING IN THE TEE. AFTER INFLATION, WATER SHALL BE INTRODUCED INTO THE SYSTEM ABOVE THE PLUG TO A HEIGHT OF 5 FEET ABOVE THE LEVEL OF THE PLUG.

B. THE PIPE SHALL BE LEFT EXPOSED AND LIBERALLY HOSED WITH WATER, TO SIMULATE, AS NEARLY AS POSSIBLE, WET TRENCH CONDITIONS OR, IF TRENCH IS WET, THE GROUND WATER SHALL BE PERMITTED TO RISE IN THE TRENCH OVER THE PIPE. INSPECTIONS FOR LEAKS SHALL BE MADE THROUGH THE CLEANOUT WITH A FLASHLIGHT.

C. DRY FLUORESCENCE DYE SHALL BE SPRINKLED INTO THE TRENCH OVER THE PIPE. IF THE TRENCH IS DRY, THE PIPE SHALL BE LIBERALLY HOSED WITH WATER, OR IF THE TRENCH IS WET, GROUND WATER SHALL BE PERMITTED TO RISE IN THE TRENCH OVER THE PIPE. OBSERVATION FOR LEAKS SHALL BE MADE IN THE FIRST DOWN-STREAM MANHOLE.

LEAKAGE OBSERVED IN ANY ONE OF THE ABOVE ALTERNATE TESTS SHALL BE CAUSE FOR NON-ACCEPTANCE AND THE PIPE SHALL BE DUG-UP IF NECESSARY AND RE-LAID SO AS TO ASSURE WATER TIGHTNESS.

8) ILLEGAL CONNECTIONS: NOTHING BUT SANITARY WASTE FLOW FROM HOUSE TOILETS, SINKS, LAUNDRY ETC. SHALL BE PERMITTED. ROOF LEADERS, FOOTING DRAINS, SUMP PUMPS OR OTHER SIMILAR CONNECTIONS CARRYING RAIN WATER, DRAINAGE OR GROUND WATER SHALL NOT BE PERMITTED.

9) HOUSE WATER SERVICE SHALL NOT BE LAID IN SAME TRENCH AS SEWER SERVICE.

10) BEDDING: SCREENED GRAVEL AND/OR CRUSHED STONE FREE FROM CLAY, LOAM, ORGANIC MATERIAL AND MEETING ASTM C33-67.

100% PASSING	1 INCH SCREEN
90%-100% PASSING	3/4 INCH SCREEN
20%- 55% PASSING	3/8 INCH SCREEN
0%- 10% PASSING	#4 SIEVE
0%- 5% PASSING	#8 SIEVE

WHERE ORDERED BY THE ENGINEER TO STABILIZE THE TRENCH BASE, SCREENED GRAVEL OR CRUSHED STONE 1/2 INCH TO 1 1/2 INCH SHALL BE USED.

11) LOCATION: THE LOCATION OF THE TEE OR WYE SHALL BE RECORDED AND FILED IN THE MUNICIPAL RECORDS. IN ADDITION, A FERROUS METAL ROD OR PIPE SHALL BE PLACED OVER THE TEE OR WYE AS DESCRIBED IN THE TYPICAL "CHIMNEY" DETAIL, TO AID IN LOCATING THE BURIED PIPE WITH A DIP NEEDLE OR PIPEFINDER.

12) CONCRETE: CONCRETE SHALL CONFORM TO THE REQUIREMENTS FOR CLASS A (3000 PSI) CONCRETE OF THE STATE OF NEW HAMPSHIRE DEPARTMENT OF TRANSPORTATION STANDARDS SPECIFICATIONS AS FOLLOWS:

CEMENT: 6.0 BAGS PER CUBIC YARD
WATER: 5.75 GALLONS PER BAG CEMENT
MAXIMUM SIZE OF AGGREGATE: 1 INCH

13) CHIMNEYS: IF VERTICAL DROP INTO SEWER IS GREATER THAN 4 FEET, A CHIMNEY SHALL BE CONSTRUCTED FOR THE HOUSE CONNECTION. CHIMNEY INSTALLATION AS RECOMMENDED BY THE PIPE MANUFACTURER MAY BE USED IF APPROVED BY THE ENGINEER.

14) MAINTAIN A 10' HORIZONTAL SEPARATION BETWEEN SEWER LINES AND WATER LINES, AND AN 18" VERTICAL SEPARATION AT SEWER AND WATER CROSSINGS, WITH WATER OVER SEWER.

GENERAL NOTES

1) ORDERED EXCAVATION OF UNSUITABLE MATERIAL BELOW GRADE. REFILL WITH BEDDING MATERIAL. FOR TRENCH WIDTH SEE NOTE 7.

2) BEDDING: SCREENED GRAVEL AND/OR CRUSHED STONE FREE FROM CLAY, LOAM, ORGANIC MATTER AND MEETING ASTM C33 STONE SIZE NO. 67.

100% PASSING	1 INCH SCREEN
90%-100% PASSING	3/4 INCH SCREEN
20%- 55% PASSING	3/8 INCH SCREEN
0%- 10% PASSING	#4 SIEVE
0%- 5% PASSING	#8 SIEVE

WHERE ORDERED BY THE ENGINEER TO STABILIZE THE TRENCH BASE, GRADED SCREENED GRAVEL OR CRUSHED STONE 1/2 INCH TO 1 1/2 INCH SHALL BE USED.

3) SAND BLANKET: CLEAN SAND FREE FROM ORGANIC MATTER SO GRADED THAT 90%-100% PASSES A 1/2 INCH SIEVE AND NOT MORE THAT 15% WILL PASS A #200 SIEVE. BLANKET MAY BE OMITTED FOR DUCTILE IRON AND REINFORCED CONCRETE PIPE PROVIDED THAT NO STONE LARGER THAN 2 INCHES IS IN CONTACT WITH THE PIPE.

4) SUITABLE MATERIAL: IN ROADS, ROAD SHOULDERS, WALK-WAYS AND TRAVELED WAYS, SUITABLE MATERIAL FOR TRENCH BACKFILL SHALL BE THE NATURAL MATERIAL EXCAVATED DURING THE COURSE OF CONSTRUCTION, BUT SHALL EXCLUDE DEBRIS, PIECES OF PAVEMENT, ORGANIC MATTER, TOP SOIL, ALL WET OR SOFT MUCK, PEAT OR CLAY, ALL EXCAVATED LEDGE MATERIAL, AND ALL ROCKS OVER SIX INCHES IN LARGEST DIMENSION, OR ANY MATERIAL WHICH, AS DETERMINED BY THE ENGINEER, WILL NOT PROVIDE SUFFICIENT SUPPORT OR MAINTAIN THE COMPLETED CONSTRUCTION IN A STABLE CONDITION.

IN CROSS-COUNTRY CONSTRUCTION, SUITABLE MATERIAL SHALL BE AS DESCRIBED ABOVE, EXCEPT THAT THE ENGINEER MAY PERMIT THE USE OF TOP SOIL, LOAM, MUCK OR PEAT, IF HE IS SATISFIED THAT THE COMPLETED CONSTRUCTION WILL BE ENTIRELY STABLE AND PROVIDED THAT EASY ACCESS TO THE SEWER FOR MAINTENANCE AND POSSIBLY RECONSTRUCTION, WHEN NECESSARY WILL BE PRESERVED.

5) BASE COURSE, IF ORDERED BY THE ENGINEER, SHALL MEET THE REQUIREMENTS OF DIVISION 300 OF THE LATEST EDITION OF THE:
STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION
OF THE STATE OF NEW HAMPSHIRE, DEPARTMENT OF TRANSPORTATION.

6) WOOD SHEETING, IF REQUIRED. WHERE SHEETING IS PLACED ALONGSIDE THE PIPE AND EXTENDS BELOW MID-DIAMETER, IT SHALL BE CUT OFF AND LEFT IN PLACE TO AN ELEVATION NOT LESS THAN 1 FOOT ABOVE THE TOP OF THE PIPE. WHERE SHEETING IS ORDERED BY THE ENGINEER TO BE LEFT IN PLACE, IT SHALL BE CUT OFF AT LEAST 3 FEET BELOW FINISHED GRADE, BUT NOT LESS THAN 1 FOOT ABOVE THE TOP OF THE PIPE.

7) W= MAXIMUM ALLOWABLE TRENCH WIDTH TO A PLANE 12 INCHES ABOVE THE PIPE. FOR PIPES 15 INCHES NOMINAL DIAMETER OR LESS, W SHALL BE NO MORE THAN 36 INCHES, FOR PIPES GREATER THAN 15 INCHES NOMINAL DIAMETER, W SHALL BE 24 INCHES PLUS PIPE O.D. W SHALL ALSO BE THE PAYMENT WIDTH FOR LEDGE EXCAVATION AND FOR ORDERED EXCAVATION BELOW GRADE.

8) FOR CROSS COUNTRY CONSTRUCTION, BACKFILL OR FILL SHALL BE MOUNDED TO A HEIGHT OF 6 INCHES ABOVE THE ORIGINAL GROUND SURFACE.

9) CONCRETE FOR ENCASEMENT SHALL CONFORM TO THE REQUIREMENTS FOR CLASS A (3000 LB) CONCRETE OF THE NEW HAMPSHIRE DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS AS FOLLOWS: CEMENT: 6.0 BAGS PER CUBIC YARD
WATER: 5.75 GALLONS PER BAG CEMENT
MAXIMUM SIZE OF AGGREGATE: 1 INCH

10) IF FULL ENCASEMENT IS UTILIZED, DEPTH OF CONCRETE BELOW PIPE SHALL BE 1/4 I.D. (4" MIN.) BLOCK SUPPORT SHALL BE SOLID CONCRETE BLOCKS.

TRITECH
ENGINEERING CORPORATION
795 CENTRAL AVENUE
DOVER NEW HAMPSHIRE 03820
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NEW HAMPSHIRE - ROBERT STOWELL NO. 7903 - PROFESSIONAL ENGINEER

SEWER DETAILS

103 COURT STREET

103 COURT STREET
DOVER, NEW HAMPSHIRE
STRAFFORD COUNTY

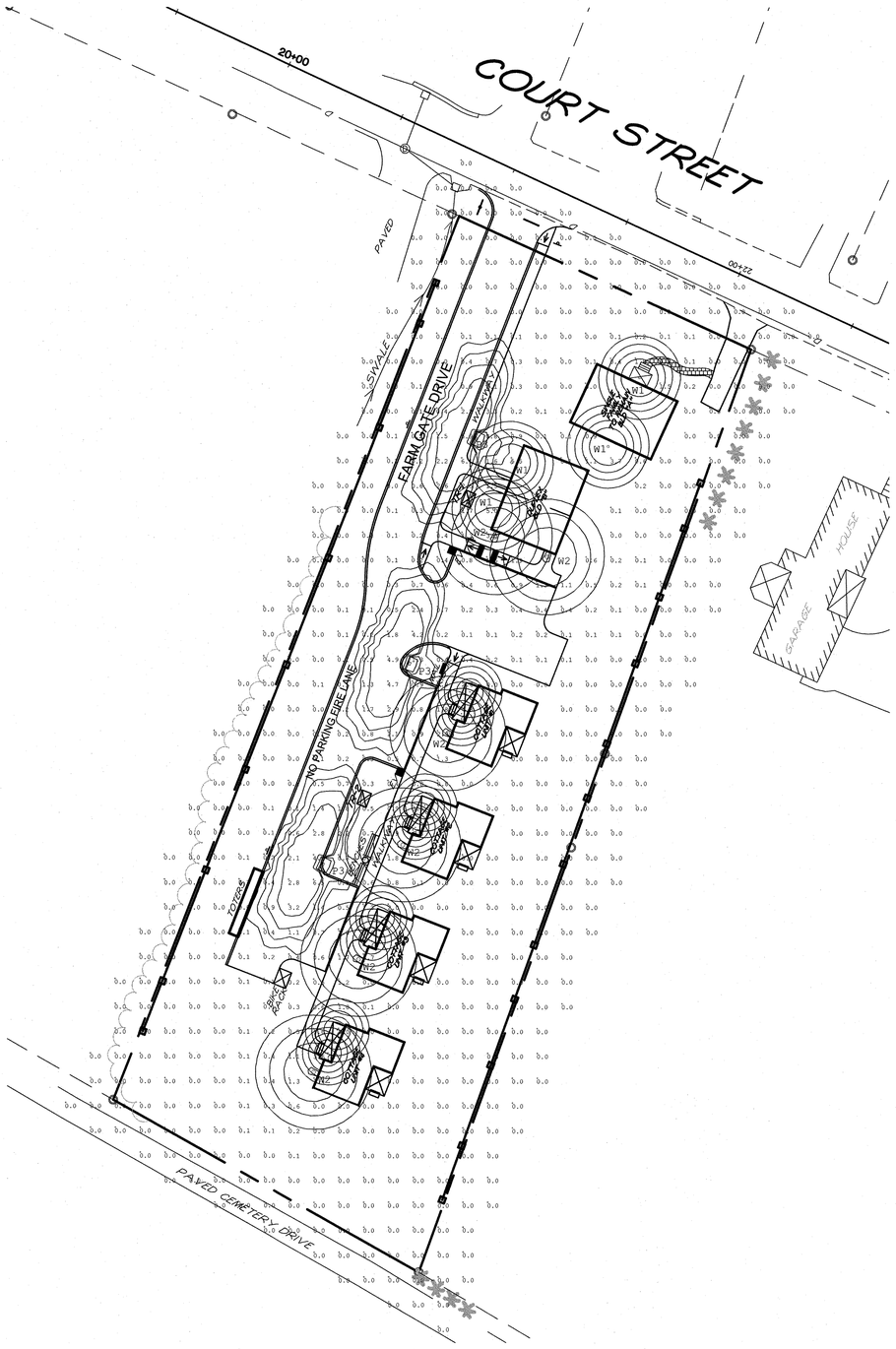
AUGUST 15, 2024

JOB No. 24101

SHEET No.

SP-12

(P24-0012)



LIGHTING NOTES

1. EXTERIOR LIGHTING SHALL BE DOWN LIT AND FULLY SHIELDED SO NO DIRECT LIGHT IS VISIBLE FROM ADJACENT PROPERTIES AND ROADWAYS.
2. ALL PARKING AREA POLE LIGHTING SHALL BE EQUIPPED WITH A TIMER AND SHALL SHUT OFF NO LATER THAN 10 PM EACH DAY AND REMAIN OFF UNTIL THE FOLLOWING EVENING. IN THE EVENT THAT THE BUSINESS REMAINS OPEN AFTER 10 PM, THE PARKING LOT LIGHTING SHALL SHUT OFF NO LATER THAN ONE HOUR AFTER CLOSING.
3. PHOTOMETRICS CONTAINED ON THIS PLAN PROVIDED BY EXPOSURE LIGHTING.

ALL DRIVES AND PARKING

Illuminance (Fc)
Average = 0.99
Maximum = 6.5
Minimum = 0.0
Avg/Min Ratio = N.A.
Max/Min Ratio = N.A.

PARKING AT DUPLEX BLDG B

Illuminance (Fc)
Average = 0.64
Maximum = 1.3
Minimum = 0.3
Avg/Min Ratio = 2.13
Max/Min Ratio = 4.33

PARKING IN FRONT OF COTTAGE 1

Illuminance (Fc)
Average = 1.18
Maximum = 2.9
Minimum = 0.5
Avg/Min Ratio = 2.36
Max/Min Ratio = 5.80

PARKING IN FRONT OF COTTAGE 3

Illuminance (Fc)
Average = 0.77
Maximum = 1.4
Minimum = 0.4
Avg/Min Ratio = 1.93
Max/Min Ratio = 3.50

Luminaire Schedule						
Symbol	Qty	Label	Arrangement	Description	Tag	[MANUFAC]
	8	C	Single	REL411203RWHW (3000K)	RECESSED PORCH LIGHT	NICOR,Inc.
	3	F3	Single	CSL-F-3M-SC-73-ALS-TBK / APQ20-12-TBK	12' POLE	Amerlux, LLC
	4	W1	Single	RD100-12L-UNV-30-FGO6-CXX-LDS96WL / GB A 3 CXX	WALL MOUNTED 9.5' AFG	LSI INDUSTRIES, INC.
	6	W2	Single	RD200-17L-UNV-30-FGO6-CXX-LDS96WL / GB A 3 CXX	WALL MOUNTED 18' AFG	LSI INDUSTRIES, INC.

30 0 15 30 60 120

1"=30'

N

TRITECH ENGINEERING CORPORATION

TRITECH
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755 CENTRAL AVENUE
DOVER, NEW HAMPSHIRE 03820
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LIGHTING PLAN

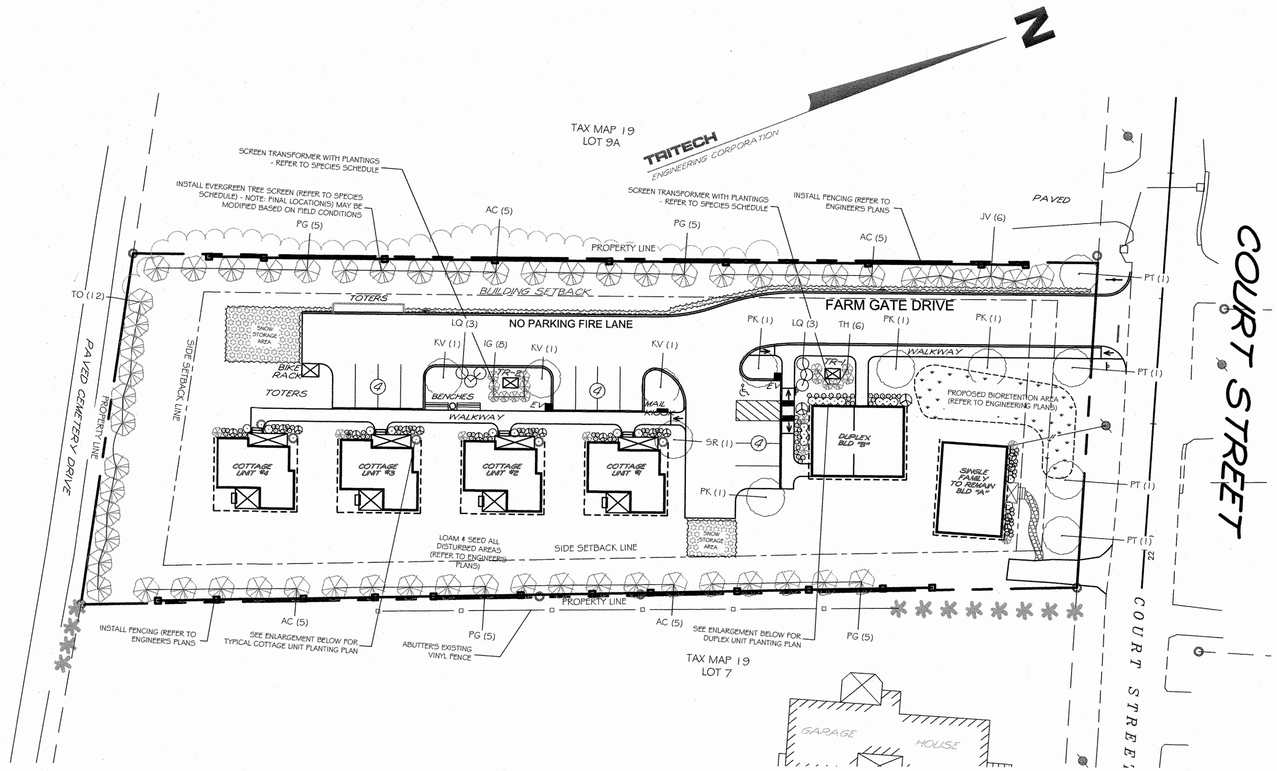
103 COURT STREET

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DOVER, NEW HAMPSHIRE
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AUGUST 15, 2024 JOB No. 24101

SHEET No. LI-1

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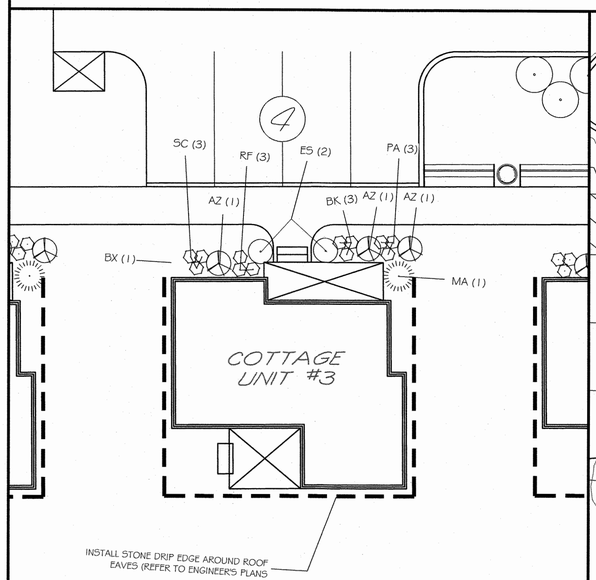
PLANTING SCHEDULE			
TREES	**SIZE**	**SYMBOL**	**QTY**
Abies concolor / White Fir	6-8' B&B	AC	20
uniperus virginiana 'Emerald Sentinel' / Emerald Sentinal Eastern Red Ceda	6-8' B&B	JV	6
Picea glauca / White Spruce	6-8' B&B	PG	20
Prunus cerasifera 'Krauter Vesuvius' / Krauter Vesuvius Flowering Plum	3-3.5" CAL.	KV	3
Prunus serrulata 'Kwanzan / Kwanzan Flowering Cherry	3-3.5" CAL.	PK	4
Platanus x acerifolia 'Exclamation' / Exclamation Planetree	3-3.5" CAL.	PT	4
Syringa reticulata 'Ivory Silk' / Ivory Silk Japanese Tree Lilac	3-3.5" CAL.	SR	1
Thuja occidentallis 'Techny' / Techny Arborvitae	6-8' B&B	TO	12
SHRUBS			
Azalea 'Bloom A Thon Double Pink' / Bloom A Thon Double Pink Azalea	2-2.5' B&B	AZ	12
Buxus 'Green Mountain' / Green Mountain Boxwood	2-2.5' B&B	BX	4
ydrangea macrophyla 'Endless Summer' / Endless Summer Bigleaf Hydrang	24-36"	ES	10
Hydrangea paniculata 'Little Quick Fire' / Little Quick Fire Panicle Hydrange	24-36"	LQ	9
Ilex crenata 'Hetzii' / Hetzi Japanese Holly	24-36"	IC	4
Ilex glabra 'Compacta' / Compact Inkberry	2-2.5' B&B	IG	16
Ilex meservae 'Blue Maid' / Blue Maid Holly	2-2.5' B&B	IM	2
Rhododendron 'Wilsoni' / Wilson Rhododendron	2.5'-3' B&B	RW	2
Rosa 'Knockout Double' / Knockout Double Rose	24-36"	RK	5
GRASSES			
Miscanthus sinensis 'Adagio' / Dwarf Maiden Grass	#3	MA	4
PERENNIALS			
Coreopsis 'Enchanted Eve' / Enchanted Eve Tickseed	#1	CE	9
Echinacea 'Butterfly Kisses' / Butterfly Kisses Coneflower	#1	BK	15
Hemerocallis 'Happy Returns'/ Happy Returns Daylily	#1	HR	18
Pervoskia atriplicifolia / Russian Sage	#1	PA	15
Rudbeckia flugida 'Goldstrum' / Goldstrum Black-Eyed Susan	#1	RF	15
Salvia 'Caradonna' / Caradonna Sage	#1	SC	15
Salvia 'Marcus' / Marcus Sage	#1	SM	9

terrain
planning & design llc
311 kast hill road
hopkinton nh 03229
603. 746. 3512
terrainplanning.com

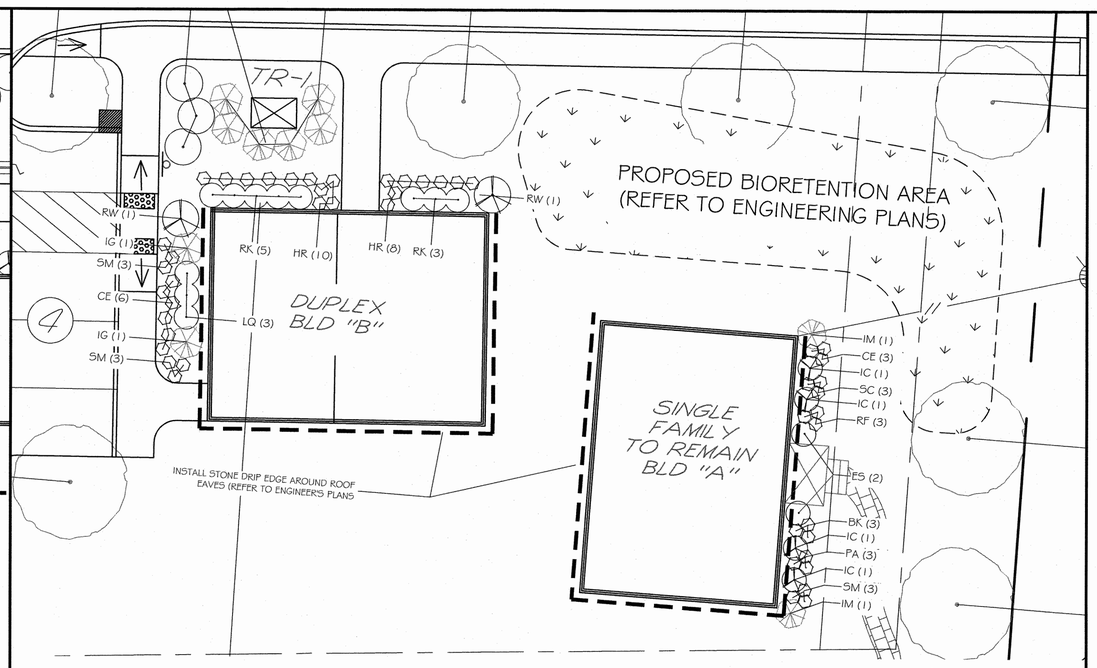
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TYPICAL COTTAGE UNIT PLANTING PLAN - 1" = 10'



DUPLEX UNIT PLANTING PLAN - 1" = 10'

LANDSCAPE CALCULATIONS:

INTERIOR PARKING LOT LANDSCAPING:
NOT REQUIRED FOR PARKING LOTS WITH 0-20 SPACES

STREETSCAPE LANDSCAPING:
REQUIRED: 1 STREET TREE / 35' LINEAR FEET OF ADJACENT ROADWAY
130 L.F. OF ADJACENT ROADWAY (COURT STREET) / 35 = 3.71 = 4 TREES REQUIRED
PROVIDED: 4 TREES PROPOSED ALONG COURT STREET

PLANTING NOTES

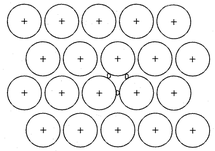
1. CONTRACTOR SHALL OBTAIN APPROVAL FROM LANDSCAPE ARCHITECT PRIOR TO PURCHASING AND/OR INSTALLING SUBSTITUTE PLANT MATERIAL PRIOR TO PURCHASE OF ANY SUBSTITUTE MATERIALS.
2. CONSTRUCTION ACCESS WILL BE AS DIRECTED BY LANDSCAPE ARCHITECT. CONTRACTOR IS RESPONSIBLE FOR RESTORATION OF ACCESS ROUTE AND ALL AREAS DISTURBED BY PLANTING OPERATIONS UPON COMPLETION OF CONSTRUCTION OPERATIONS, AT NO ADDITIONAL COST TO THE OWNER.
3. LAYOUT OF ALL PLANTING BEDS AND LOCATION OF PLANTS TO BE APPROVED BY LANDSCAPE ARCHITECT ON SITE PRIOR TO CONSTRUCTION AND INSTALLATION.
4. CONTRACTOR TO REMOVE ALL DEBRIS GENERATED BY PLANT INSTALLATION. DEBRIS TO BE DISPOSED OF IN A LEGAL MANNER.
5. ALL PLANT MATERIAL SHALL BE GUARANTEED TO BE IN GOOD, HEALTHY AND FLOURISHING CONDITION FOR TWO (2) YEARS FROM THE DATE OF FINAL INSTALLATION APPROVAL BY LANDSCAPE ARCHITECT. CONTRACTOR SHALL REPLACE, WITHOUT COST TO OWNER, AND AS SOON AS WEATHER CONDITIONS PERMIT, ALL DEAD AND NON-FLOURISHING PLANTS AS DETERMINED BY THE LANDSCAPE ARCHITECT. REPLACEMENT PLANTS SHALL BE BE GUARANTEED IDENTICALLY TO ORIGINAL PLANTS, TIME PERIOD COMMENCING FROM DATE OF REPLACEMENT PLANTING APPROVAL BY LANDSCAPE ARCHITECT.
6. ALL BEDS TO BE MULCHED WITH 4" DEPTH SHREDDED BARK MULCH UNLESS NOTED OTHERWISE.
7. CONTRACTOR TO PROVIDE NECESSARY TEMPORARY IRRIGATION IF NEEDED BASED ON TIME OF YEAR THE PROJECT IS IMPLEMENTED.
8. ALL LANDSCAPED AREAS SHALL RECEIVE REGULAR MAINTENANCE AND UPKEEP. SEVERELY INJURED, DISEASED, OR DEAD PLANT MATERIAL SHALL BE REPLACED IN KIND IN PERPETUITY (AVOID REPLACING LANDSCAPE MATERIALS IN THE PERIOD FROM NOVEMBER TO MARCH.)
9. BEST PRACTICES TO MINIMIZE ENVIRONMENTAL IMPACTS SUCH AS THE USE OF LOW PHOSPHORUS FERTILIZER AND SLOW RELEASE NITROGEN, SHALL BE IMPLEMENTED.
10. IF OWNERSHIP OF A SITE IS CONVEYED TO A NEW PROPERTY OWNER, THE NEW OWNER SHALL BE RESPONSIBLE FOR MAINTAINING ALL LANDSCAPING IN ACCORDANCE WITH THE APPROVED FINAL LANDSCAPING PLAN.



LANDSCAPE PLAN
103 COURT STREET
103 COURT STREET
DOVER, NEW HAMPSHIRE
STRAFFORD COUNTY
AUGUST 15, 2024
JOB No. 24101

SHEET No.
La-1

(P24-0012)

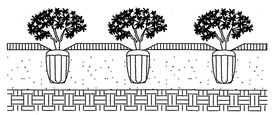


TYPICAL BED PLANT SPACING

NOTE:
D = DIMENSION OF PLANT SPACING (SHRUB OR GROUNDCOVER AS INDICATED ON PLANS)

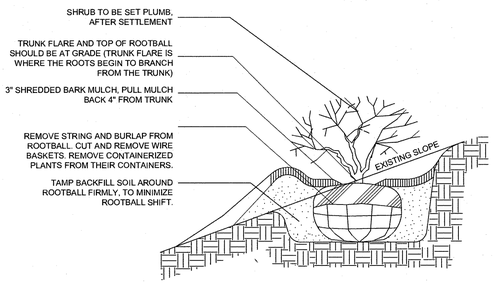
12" LOAM BACKFILL (CONTINUOUS THROUGHOUTBED AREA)

3" DEEP SHREDDED BARK MULCH



1 TYPICAL PERENNIAL PLANTING

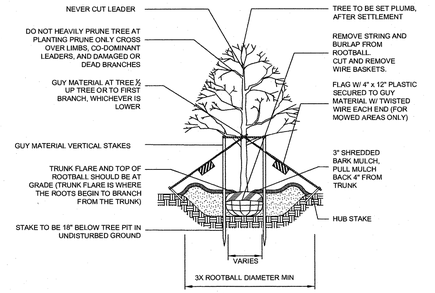
NO SCALE



NOTE:
1. DO NOT HEAVILY PRUNE SHRUB AT PLANTING, PRUNE ONLY CROSSOVER LIMBS AND DAMAGED OR DEAD BRANCHES.
2. BACKFILL WITH LOAM, AMEND AS REQUIRED BY LANDSCAPE ARCHITECT.
3. SHRUBS & GROUNDCOVER PLANTED ADJACENT TO CITY SIDEWALKS NEED TO BE PLACED SO THE PLANTS, AT THEIR MATURE HEIGHT & WIDTH, WILL NOT ENCROACH INTO THE CITY'S SIDEWALK.

2 TYPICAL SHRUB PLANTING

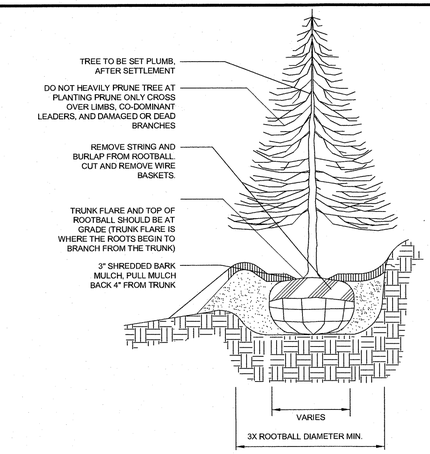
NO SCALE



NOTES:
1. GUYING AND STAKING TO BE DETERMINED IN THE FIELD BY THE LANDSCAPE ARCHITECT. LOCAL FIELD CONDITIONS AS WELL AS PLANT CHARACTERISTICS WILL DETERMINE THE NECESSITY OF GUYING AND STAKING.
2. TYPICALLY ONLY TREES WITH A 3" OR GREATER CALIPER NEED TO BE STAKED. TREES WITH LESS THAN A 3" CALIPER NEED TO BE STAKED ONLY AS REQUIRED BY LANDSCAPE ARCHITECT.
3. ONLY WRAP TREE TRUNKS AS REQUIRED BY LANDSCAPE ARCHITECT.
4. TREE SHALL BE SET PLUMB, AFTER SETTLEMENT.
5. LOAM FOR BACKFILLING SHALL BE AMENDED AS REQUIRED BY LANDSCAPE ARCHITECT.
6. CITY TREES PLANTED ON PRIVATE PROPERTY, ADJACENT TO A PUBLIC RIGHT-OF-WAY, NEED TO BE PLANTED A MINIMUM OF 5 FEET FROM THE EDGE OF THE CITY SIDEWALK.

3 DECIDIOUS TREE PLANTING

NO SCALE



NOTES:
1. DO NOT STAKE EVERGREEN TREES.
2. LOAM FOR BACKFILLING SHALL BE AMENDED AS REQUIRED BY LANDSCAPE ARCHITECT.
3. TAMP BACKFILL SOIL AROUND ROOTBALL FIRMLY TO MINIMIZE ROOTBALL SHIFT.

4 EVERGREEN TREE PLANTING

NO SCALE

TRITECH
ENGINEERING CORPORATION
755 CENTRAL AVENUE
DOVER, NEW HAMPSHIRE 03820
TELEPHONE 603.742.8107
FAX 603.742.3830

ISSUED FOR TRC REVIEW
October 24, 2024

REVISIONS

DATE:	DESCRIPTION:
9-12-24	REVISED PER TRC COMMENTS

terrain
planning & design llc
311 kast hill road
hopkinton nh 03229
603. 746. 3512
terrainplanning.com

LANDSCAPE DETAIL SHEET

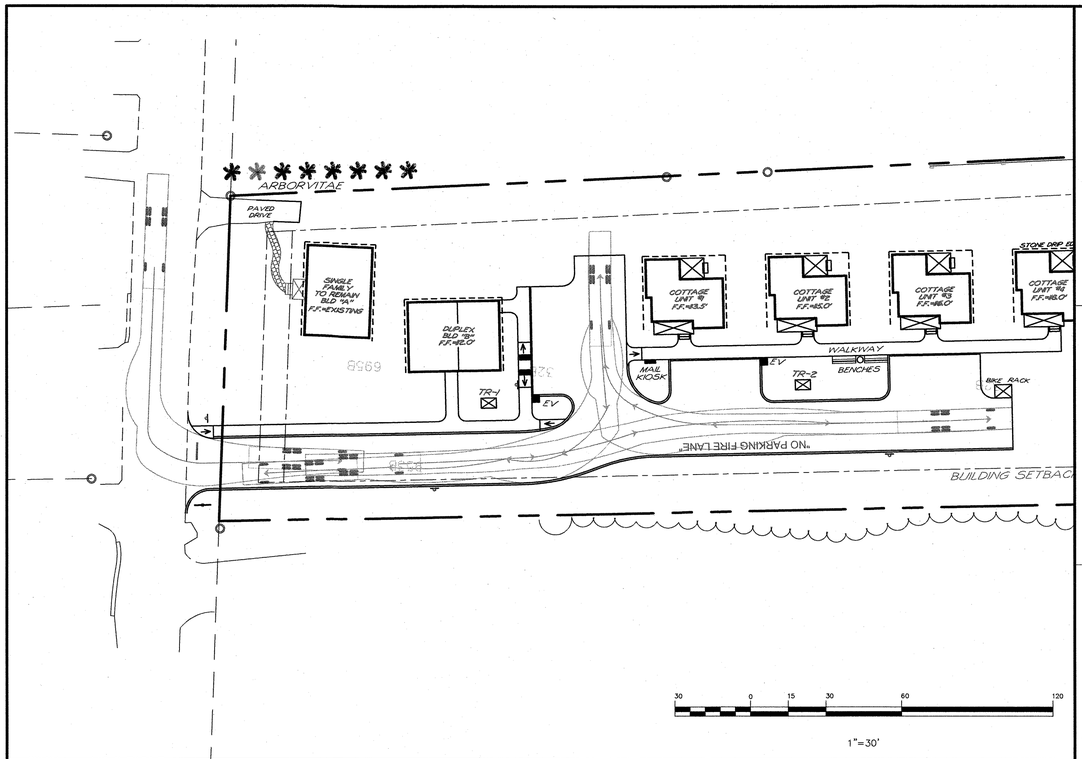
103 COURT STREET

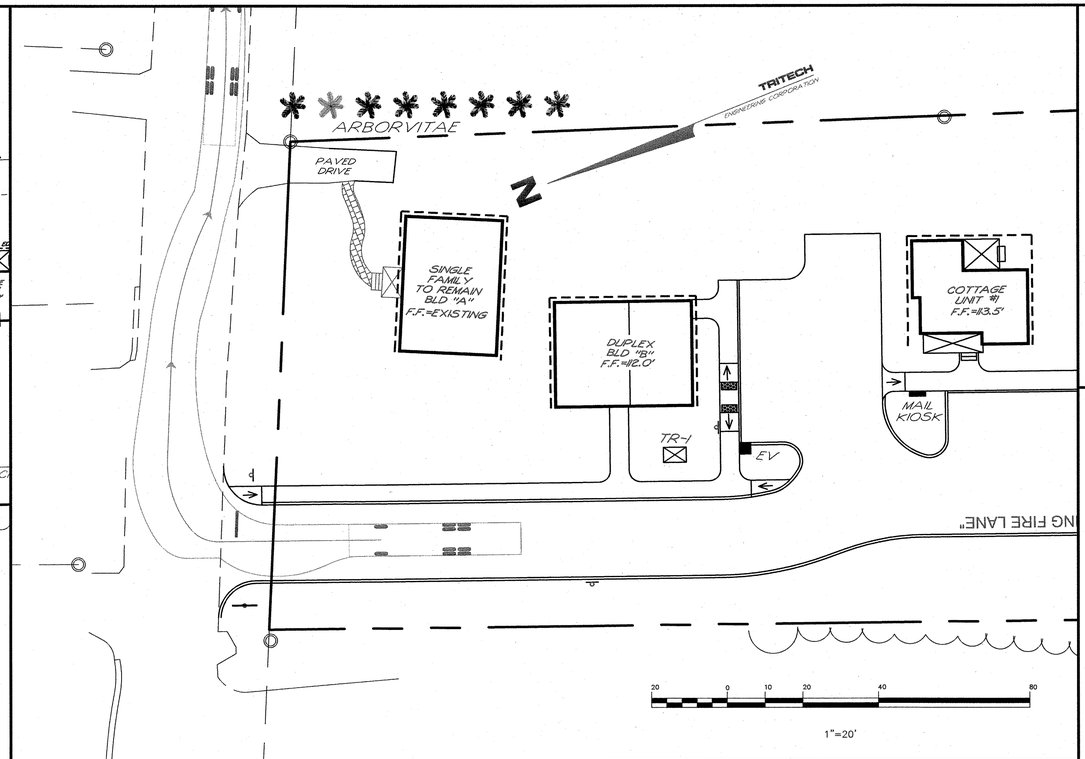
103 COURT STREET
DOVER, NEW HAMPSHIRE
STRAFFORD COUNTY

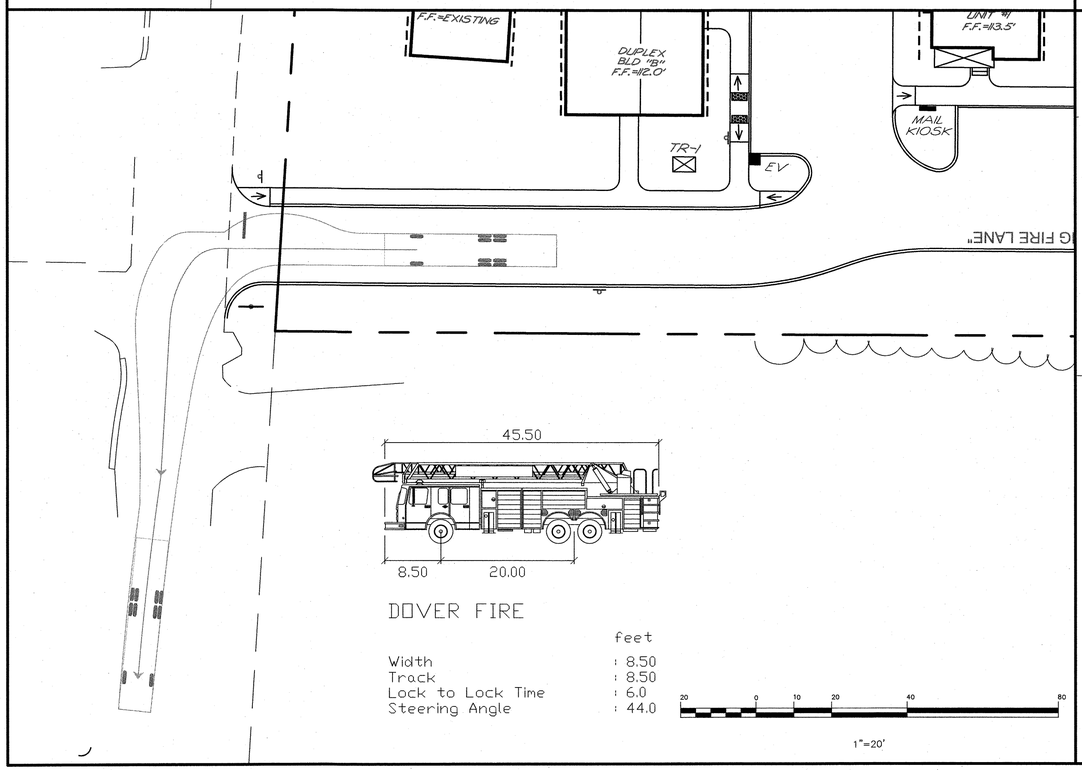
AUGUST 15, 2024 JOB No. 24101

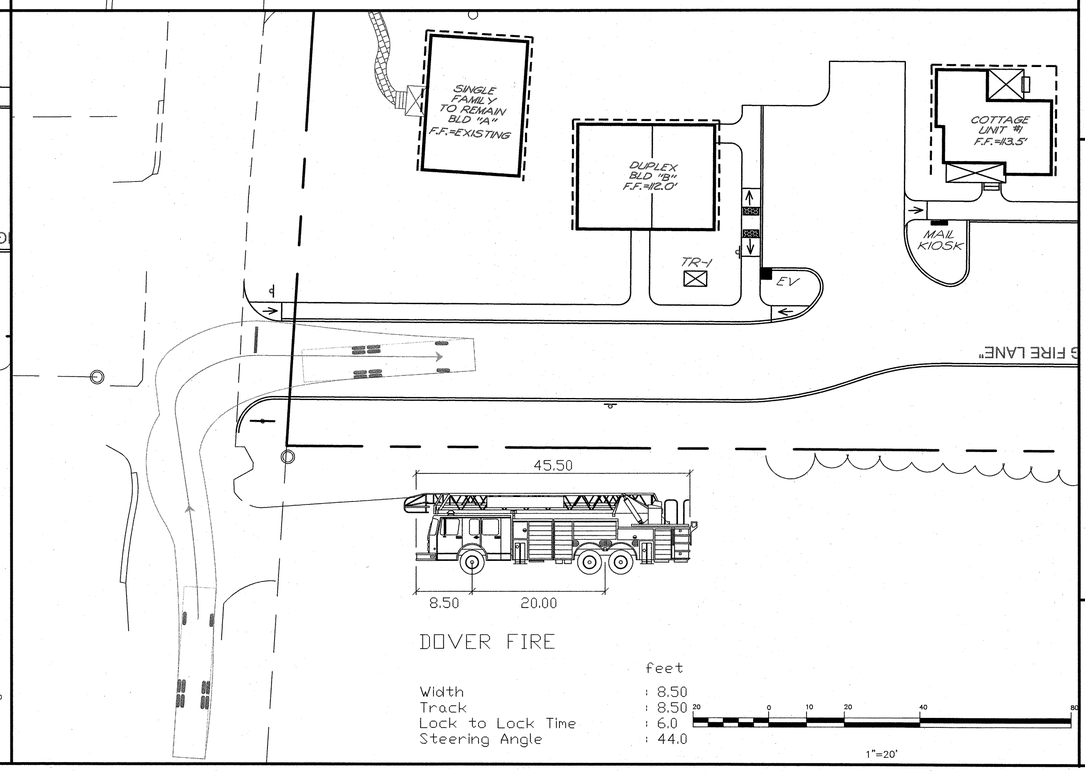
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(P24-0012)









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DOVER, NEW HAMPSHIRE 03820
TELEPHONE 603 742 8107
FAX 603 742 3830

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DATE:	DESCRIPTION:
10-24-24	REVISED PER TRC COMMENTS

FIRE TRUCK TURN EXHIBITS

103 COURT STREET

103 COURT STREET
DOVER, NEW HAMPSHIRE
STRAFFORD COUNTY

AUGUST 15, 2024

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SHEET No.

TR-1

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