



CITY OF DOVER

PLANNING TECHNICAL REVIEW COMMITTEE –AGENDA

REVISED

Meeting Type: Regular Meeting
Meeting Location: 1st Floor Conference Room – City Hall, Dover NH
Meeting Date: **Thursday, September 5, 2019**
Meeting Time: **10:30 AM**

1. 10:30 AM - 11:15 AM: Site Review for Wentworth Home, Assessor's Map 37, Lot 1A, zoned H, and located at 765 Central Avenue. (Proposal is to construct a 21,700 sq. ft. two story memory care addition to the existing Wentworth Home as well as an additional driveway and parking layout consisting of 30 spaces). (P19-59)
2. 11:15 AM - 12:00 PM: Site Review for 10 Durham Road Group, LLC, Assessor's Map I, Lot 7, zoned R-20, and located at 10 Durham Road. (Proposal is to convert the existing house into office space as well as 14 additional parking spaces). (P19-64)

Narrative

Project: Wentworth Home Memory Care Addition
Address: 795 Central Ave, Dover, NH 03820
Owner/Applicant: Wentworth Home

This project involves the construction of a memory care addition to the existing Wentworth Home building. The project will be constructed entirely on the existing property owned by the Wentworth Home. The parcel is 2.53 acres and is in the Hospital Zoning District. It is not subject to any overlay district ordinances. The use for the existing building and proposed addition is medical. The proposed addition will have a total floor area of 21,700 SF, with two floors of memory care rooms and assisted living.

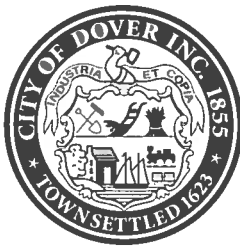
The building will be serviced by municipal water, municipal sewer, and natural gas. The building will be fully sprinklered.

- The water service connection will be made on Central Ave. A six inch service is proposed.
- The sewer service will be connected to the sewer main located on Central Ave. Connecting to the City sewer will involve crossing Central Ave to allow the sewer to flow by gravity.
- Natural gas is available in Central Ave.

The project involves 62,700 square feet of total disturbance and proposes to create 31,300 square feet of new impervious cover. Stormwater will be controlled and treated on-site in drip edge around the building, capable of infiltration, and two infiltration ponds on the property.

The project proposes two driveways: the existing driveway that is located on the entrance road to Wentworth Douglass Hospital, and a proposed new driveway, located towards the west end of the property. This new driveway will provide distance between the exit to the property, and the busy hospital entrance. The proposed site will provide a new parking layout, and will provide the same amount of parking spaces as currently exist on the site, 30 spaces. The maximum amount of spaces allowed is 41, accounting for .5 spaces for each bed, and 1 space for each employee on the maximum shift. Not many residents are able to drive, and there is an agreement in place with the hospital to allow use of the front parking lot if overflow is needed, so 30 spaces will be adequate.

CHRISTOPHER G. PARKER, AICP
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Planning & Strategic Initiatives
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City of Dover, New Hampshire

DEPARTMENT OF PLANNING AND COMMUNITY DEVELOPMENT

INSTRUCTIONS TO APPLICANTS TO THE DOVER PLANNING BOARD

**IMPORTANT: PLEASE READ ALL INSTRUCTIONS CAREFULLY BEFORE
FILLING OUT ATTACHED APPLICATION.
INCOMPLETE APPLICATIONS WILL NOT BE ACCEPTED FOR REVIEW.**

Dear Applicant:

This will serve to briefly inform you regarding the process to have the Dover Planning Board (the Board) review a land use application. Please refer to the NH Statutes on Land Use and Regulation the Dover Code, and our Developer's Handbook for more specific information.

The Board primarily reviews 5 types of applications:

1. **Site Plans** - A site plan is a professionally rendered drawing which delineates the proposed development of a site. This plan is required for non-residential development, creation of multi-family residential structures, and for extensions of parking lots and alteration of an acre or more of land. These plans require meeting with the Technical Review Committee before Planning Board review.
2. **Subdivisions** - A subdivision is the division of the lot, tract, or parcel of land into two (2) or more lots, plats, sites or other divisions of land for the purpose, whether immediate or future, of sale, rent, lease or building development. It includes re-subdivision and, when appropriate to the context, relates to the process of subdividing or to the land or territory subdivided. Major subdivision plans (4+) require meeting with the Technical Review Committee before Planning Board review.
3. **Lot Line Adjustments** - A lot line adjustment alters the size of two (2) or more lots, but does not create a new buildable lot.
4. **Conditional Use Permits** - A conditional use permit is required for any alteration of wetlands, wetland buffers or work within the City's conservation district. Additionally, a conditional use permit could be issued as to offer relief in the Central Business District, for plans in the Residential Mixed Use Overlay District, or parking relief. Environmental Conditional Use Permits are acted on after Conservation Commission review.
5. **Excavation Permits** - NH RSA Chapter 155-E grants municipalities the authority to regulate earth excavations within their borders. This authority rests with the Planning Board.

The Board cannot and will not review applications that do not meet zoning requirements. **Please review the need to apply to the Zoning Board of Adjustment prior to applying to the Board.**

Professional agents will prepare your application; however, you may represent yourself or authorize, in writing, someone else to represent you before the Planning Board.

In most cases, 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, and a PDF, need to be provided, along with payment of plan review fees. These meetings occur on Thursday, and materials and payment must be submitted three (3) weeks prior to meeting. Meetings are scheduled, upon receipt of completed applications with the full checklist and payment.

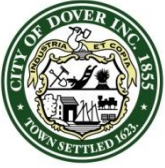
The next step would be to provide, two weeks prior to Planning Board, the final plan sets (three (3) full size and twelve (12) half size (11x 17), folded, copies of the plan), and 15 copies, and a PDF, of all supporting materials, including response to TRC comments. Please print all materials on both sides of paper.

For projects not appearing before the Technical Review Committee, Plan Review Fees are due along with three (3) full size and twelve (12) half size (11x17), folded, copies of the plan set and 15 copies, plus a PDF, of plans and materials, 3 weeks prior to the Planning Board meeting. Please print all materials on both sides of paper.

Staff will generate an abutter list, and Abutter/Notice Fees will be invoiced. They are due 28 hours prior to Planning Board. If they are not paid, the application will not be heard.

Once an item is placed upon an agenda the following process is used:

- The Board will hold a public hearing on your application at a regularly scheduled meeting
 - Typically the second or fourth Tuesday of the Month.
- Public notice of the hearing will be posted at the City Clerk's office and the Planning Department office and printed in the newspaper.
- Certified letters will be mailed to you and to all abutters at least ten days before the date of the hearing.
- 28 hours prior to the meeting, abutter/notice fees must be paid
- At the meeting
 - Staff will introduce your project
 - You and all other parties will be invited to appear in person or by agent or counsel to present your application.
 - Your project will be pre-loaded onto a laptop for review by the Board and public
 - The Board may ask clarifying questions
 - The Board will vote to accept jurisdiction on the application
 - If accepted:
 - The Board will hold a public hearing
 - The Board may ask additional questions
 - The Board will deliberate on your application
 - Typically decisions are made the night of the presentation, but an application may be tabled
 - After deliberation, a decision will be made.
 - You will be sent a notice of the decision.



City of Dover, New Hampshire SITE REVIEW APPLICATION

[Revision Date: June 4, 2019]

Office Use Only

Project #: _____

Date Received: _____

Amount Paid: _____

Time Received: _____

APPLICANT AND OWNER INFORMATION

Name of Applicant: Wentworth Home Telephone # (603) 516-8822

Address of Applicant: 795 Central Avenue Dover, NH 03820

E-Mail Address: wentworthhome@comcast.net

Name of Property Owner (if different from applicant): _____ Telephone # _____

Address of Property Owner: _____

PROPERTY INFORMATION

Address of Property: 795 Central Ave Dover, NH 03820

Assessor's Map # 37 Lot(s) # 1A

Zoning District(s) H Overlay District(s) N/A

Size of Parcel: _____ sq. ft. 2.53 ac. Property Deed: Book 428 Page: 324

Existing Use of Property: Nursing Home

SITE PLAN INFORMATION

Describe Proposed Use: Memory Care Addition

Area of Parcel to be Developed: 110,207 sq. ft.

If Multi-family Residential, Specify Number of Units & Buildings Proposed: 18 units

Number of Parking Spaces: Existing 30 Proposed 30

Highway Access (check where applicable): ☒ City Street ☒ State Highway

Number of Employees Total: 30 In Maximum Shift: 20

Disposition of Parcel:

Building Setbacks:

Building Footprint 15700 sq. ft.

Front Yard 12 ft.

Total Building Area 21700 sq. ft.

Rear Yard 15 ft.

Paved Area 30800 sq. ft.

Side Yard: Right 12 ft. Left 12 ft.

City Water? ☒ Yes ☐ No How far is city water from the property? 100 ft

City Sewer? ☒ Yes ☐ No How far is city sewer from the property? 150 ft

BUILDING INFORMATION

Type of Building to be Built: Memory Care Addition

Height of Building: 31' Finished Floor Elevation: 153.0

Number of Seats (where applicable) _____

Estimated value of construction: \$5M Refuse removal: Public/Private (circle one)

WAIVER REQUESTS

Site Review Regulations section(s) to be waived: _____

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

SURVEYOR INFORMATION

Name of Surveyor and Company (Licensed in N.H.) Matthew Ek, Sebago Technics

Address 75 John Roberts Rd, South Portland, ME 04106 Telephone #: 207-200-2100

Professional License #: 926 E-mail address: mek@sebagotechnics.com

ENGINEER INFORMATION

Name of Engineer and Company (Licensed in N.H.) Erin Lambert, Wilcox and Barton

Address 2 Capital Plaza Suite 305, Concord, NH 03301 Telephone #: 603-369-4190 ext 527

Professional License #: 11057 E-mail address: elambert@wilcoxandbarton.com

ARCHITECT INFORMATION

Name of Architect and Company (Licensed in N.H.) Richard Pizzi, Lavallee Brensinger

Address 155 Dow Street, Suite 400, Manchester, NH 03101 Telephone #: 207-558-7200

Professional License #: 2661 E-mail address: Richard.Pizzi@lbpa.com

LANDSCAPE ARCHITECT INFORMATION

Name of Landscape Architect and Company (Licensed in N.H.) Kerry Schleyer, KSLA

Address 235 Hanover St, Manchester, NH 03104 Telephone #: 603-540-1709

Professional License #: 016 E-mail address: Kerryschleyer@me.com

SOIL SCIENTIST INFORMATION

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

Address _____ Telephone #: _____

Professional License #: _____ E-mail address: _____

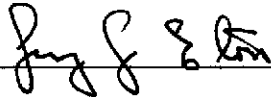
CONSERVATION EASEMENT HOLDER

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.

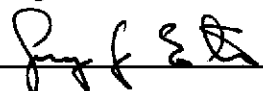
Signature of Property Owner:  Date: 7/23/2019

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

Signature of Agent: _____ Date: _____

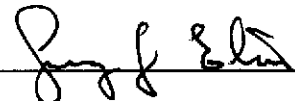
AUTHORIZATION TO ENTER SUBJECT PROPERTY

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: 7/23/2019

AUTHORIZATION TO COMPLETE THE PROJECT ON SUBJECT PROPERTY

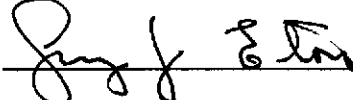
I, and my successors, hereby the City of Dover or its assigns to enter my property for the purpose of completing the site work as required by the approved plan should the letter or credit or other surety be called. It is understood that these individuals must use all reasonable care, courtesy, and diligence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

Signature of Property Owner:  Date: 7/23/2019

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

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: 7/23/2019

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

PLANNING BOARD FEE SCHEDULE

(Revised May 14, 2019)

Below are the fees associated with plan review. 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 \$150.00 x # _____ new lots created= | \$ _____ 0 |
| ☐ LOT LINE ADJUSTMENT \$100.00 X # of lots involved= | \$ _____ 0 |
| ☐ TRANSFER OF DEVELOPMENT RIGHTS Application fee \$150.00= | \$ _____ 0 |
| ☐ SITE REVIEW – RESIDENTIAL \$100.00 x # _____ per dwelling unit= | \$ _____ 0 |
| ☐ SITE REVIEW – NON-RESIDENTIAL (not to exceed \$10,000) | |
| ○ New construction \$.15 sq. ft. x # _____ sq. ft.= | \$ _____ 0 |
| ○ Additions (new floor space) \$.10 per sq. ft. x # <u>21700</u> sq. ft.= | \$ <u>2170</u> |
| ☐ MOTEL/HOTEL \$35.00 x # _____ per lodging unit= | \$ _____ 0 |
| ☐ CHANGE OF USE (not to exceed \$5,000) | |
| ○ Existing floor spaces \$.10 per sq. ft. x # _____ sq. ft. = | \$ _____ 0 |
| ☐ CONDITIONAL USE PERMIT \$150.00 x # _____ per application= | \$ _____ 0 |
| ☐ GRAVEL PIT/ EXCAVATIONS | |
| ○ Application fee \$50.00= | \$ _____ 0 |
| ○ Permit fee \$75.00= | \$ _____ 0 |
| ☐ EXTENSIONS OF/AMENDMENTS TO/WAIVERS FOR AN APPROVED PLAN
\$50.00 x # _____ per hour of review (3 hour minimum)= | \$ _____ 0 |
| ☐ REQUEST FOR REZONING Application fee \$150.00= | \$ _____ 0 |
| ☐ DRIVEWAY WAIVER Application fee \$100.00= | \$ _____ 0 |
| SUB TOTAL= | \$ <u>2170</u> |

AND

- | | |
|--|---------------|
| 2. IMPERVIOUS PAVED AREA (for new development or additions to existing parking lots (not to exceed \$10,000) \$.07 sq. ft. x # <u>9600</u> = | \$ <u>672</u> |
|--|---------------|

TOTAL PLAN REVIEW FEE= \$ 2842

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 need to review the list and provide to this office 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 | |
| ○ Certified letters fee # _____ of x \$8.00= | \$ _____ |
| ☐ Certified letters fee: # of abutters _____ X \$8.00= | \$ _____ |
| ☐ 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= | \$ _____ |

SUB TOTAL= \$ _____

C. Foster's newspaper public notice fee

TOTAL NOTICE FEE= \$ 80.00

The above amount must be paid 28 hours prior to the Planning Board meeting, to be heard.



City of Dover, New Hampshire

SITE PLAN REVIEW SUBMISSION CHECKLIST

[Revision Date: June 4, 2019]

This site plan review checklist, as required by Chapter 149-6-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: _____ File Number: _____

PROJECT TITLE: _____

PROPERTY LOCATION: _____ Tax Map: _____ Lot: _____

	Where/How Provided	Reviewed
1. Completed and signed Application form	Provided	
2. Plan Review Fees are provided	Provided	
3. Electronic copy of the engineered/surveyed plan layout	Provided	
4. Electronic copy of supplementary materials and application	Provided	
5. Traffic Impact Assessment and Analysis (Standard or Advanced)	Will provide for PB is required	
6. Waiver requests to the Site Plan Review Regulations, with written justification	NA	
7. Conditional Use Permit applications	NA	
8. A colored rendering of the streetscape that will be created along the existing public right-of-way	Provided	
9. A colored architectural plan showing all sides of buildings	Provided	
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:	Provided	
Location map at appropriate scale	C0.1	
Proposed Project name and title and Planning File #	All Sheets	
Date, north arrow and scale	C1.1-1.4	
Names of all abutting property owners	C0.1	
Name and address of owners and/or applicants		
Signature & stamp of NH licensed land surveyor and/or engineer	C1.1-1.5	
Zoning District boundaries, including any special or overlay districts	C1.1	
Location of Conservation District areas	NA	
Location, names and widths of existing and proposed streets, including pavement widths, grades, curbs and crosswalks	C1.2	
Location and widths of existing & proposed easements & right of ways	S1.1&C1.2	
Location and width of existing and proposed access/egress ways	S1.1&C1.2	

	Explain How Provided	Reviewed
Depict pedestrian walkways and accessible access	C1.2	
Existing and proposed property lines with dimensions and bearings tied into Dover's Geographic Information System coordinate system	S1.1&C1.1-1.4	
Existing and proposed topographic information at two foot intervals	S1.1&C1.3 (1' INTERVALS)	
Existing and proposed buildings and structure locations	S1.1&C1.1-1.4	
Minimum building setbacks or build to lines on all lots	S1.1&C1.1-1.4	
Location and size of existing and proposed electric, telephone, gas cable and other underground utilities	S1.4	
Existing and proposed water lines and fire hydrants, including materials and capacity needed	S1.4	
Location and materials of sanitary sewage facilities within project site and projected additional peak hour sewer load	S1.4 (FLOWS NEXT MEETING)	
Existing and proposed stormwater lines and facilities	S1.3	
Lighting plan depicting all existing and proposed exterior light fixtures and a lighting level analysis for parking lots	LIGHTING NEXT MEETING	
Location of Flood Hazard Zone	NA	
Location of all bodies of water and watercourses	NA	
Location of wetlands and buffers	NA	
Neighborhood plan with aerial underlay showing how project relates to abutting uses within the plan set	NHP SHEET	
Existing natural features and/or significant vegetation on property	S1.1	
Depict existing contours up to 100 ft. beyond project limits	S1.1	
Landscape plan depicting existing and proposed landscaping, prepared by a licensed Professional Landscape Architect	L1.1	
Location of parking layout delineating spaces and arrangement; note addressing maximum required spaces	C1.2	
Location, material and size of existing and proposed pavement area	S1.2	
Location of proposed fire lanes	NA	
Specify finished floor elevations of buildings	C1.2	
Location of solid waste disposal facilities (dumpster, pad and screening, etc.), including required screening	S1.1	
Depict all service, storage, loading bays and utility areas	S1.1	
All applicable Dover Common Site Plan notes	C0.2	
11. Additional Information if appropriate		
Stormwater Management Plan depicting the existing & proposed storm drainage system and engineered drainage analysis	Provided	
Stormwater Management System Operation and Maintenance Plan	NA	
Letter to Serve from Public and Private Utilities	NA	
Erosion and Sedimentation Control Plan	notes provided	
Landscape Operation and Maintenance Plan	NA	
Proposed restrictive covenants or homeowners association documents	NA	
Dates and permit numbers of all required state and federal permits	NA	
If wetland buffer, indicate placards locations, as applicable	NA	
Depict test boring locations, groundwater elevations and soil profiles and/or soils types call-outs	NA	
Location of proposed drive-in facilities	NA	
Provide additional exhibits/technical data determined appropriate by the Planning Board or its staff as required	NA	

REVIEWED BY: _____ DATE _____ TRC DATE _____

CITY OF DOVER PLANNING DEPARTMENT
Revised June 4, 2019

APPLICANT: _____ FILE NUMBER: _____

List of Common Site Plan Notes

The following list of commonly required notes is intended to be used as a guide to applicants and should not be construed as a comprehensive note requirement list for all projects. A preapplication conference with the Planning Department is suggested to help determine the actual notes that may be required.

1. The intent of this plan is to *(describe the purpose of the plan)*.
2. Owners of Record are: Name
Street address
Municipality, State, Zip Code

Authorized Signature
3. The parcel(s) is *(are)* shown as Lot No. _____, Map _____ of the City of Dover Tax Assessor's Maps.
4. The subject parcel(s) contains _____ acres or _____ sq. ft. area of land.
5. Title reference for the project parcel(s) is the Strafford County Registry of Deeds, Book No. _____, Page No. _____.
6. Reference Plans: *(List all reference plans and their SCRD #)*
7. All applicable right-of-way, conservation, slope, construction, power line, cross travel, or other easements shall be referenced in a note.
8. Zoning dimensional and density requirements are as follows:

Required:

Provided:

- a. Zoning district _____ sub-district _____
- b. Minimum lot size: _____ acres (sq. ft.)
- c. Minimum lot frontage: _____ ft.
- d. Minimum yard setbacks/build-to-lines:
Front _____ ft.
Side _____ ft.
Rear _____ ft.
Abut-a-street _____ ft.
- e. Maximum/minimum lot coverage _____ %
- f. Minimum/maximum bldg. height _____ ft./stories

This property falls within the following zoning overlay districts: *(List districts)*

9. 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.
10. Property line information has been obtained from a survey performed by *(surveyor)* on *(date)* with an error not greater than 1 in 10,000 *(or has been obtained from _____ Plan, prepared by (surveyor))*.
11. Subject parcel is *(is not)* located within a Federally designated flood hazard area (Community panel number 33017C0xxxD, Effective Date: September 30, 2015).
12. Wetlands were delineated by _____, Certified Wetlands Scientist, Certification Number _____, in accordance with Chapter 170-27.1 of the Zoning Ordinance, on _____, 20____.
13. 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 if a street is proposed for City acceptance. 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.
14. The installation of electric power, cable television and telephone lines shall be underground throughout the site for which development is proposed.
15. The subject parcel(s) is (are) served by municipal water and sewer *(or is served by on-site well and septic system)*.
16. All construction shall conform with the State of New Hampshire Department of Transportation (NHDOT) "Standard Specifications for Road and Bridge Construction" and with the City of Dover Community Services Regulations and standard specification for construction. The more stringent specification shall apply.
17. 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.
18. 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.
19. All treatment swales to be constructed shall have sod bottoms.
20. A letter of credit for the cost of revegetating all disturbed areas on the site shall be submitted, and the approved construction sign installed prior to any earth disturbing activity occurs.
21. 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.
22. Site Construction hours shall be limited to Monday-Friday 7 AM-6 PM, Saturday and Sunday 9 AM-4 PM. Hours of construction must be documented on a site construction sign along with the contact information for the general contractor. Said signage must be located and approved by the City Engineer or Assistant City Manager.

23. Building addresses (including apt/unit numbers if applicable) shall be assigned by the Building Official at the time of issuance of a building permit.
24. The proposed use for the site (structure) is _____. (More specific uses are encouraged, such as single family, duplex, multi-family, restaurant, hotel, doctor's office, etc. Should more than one use be proposed, an indication of the percentage of each use is suggested.)
25. The following federal and state permits have been issued for the subject property: (*List permit type, number and date of issuance.*)
26. Commercial vehicle route during construction shall conform to Dover City Code or be coordinated with the Community Services Director.
27. Any retaining wall taller than four feet (4') requires issuance of a building permit from Inspection Services.
28. Any fence taller than six feet (6') requires the issuance of a building permit from Inspection Services.
29. 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>
30. 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.
31. Fire department access road(s) shall be installed and maintained to support the imposed loads of fire apparatus in all weather conditions at all times.
32. The maximum parking space calculation is _____ (broken down) and _____ spaces are provided.
33. Exterior lighting shall be cut-off type fixtures per Chapter 149-14-E and shall provide lighting directed on-site only.
34. Topographic survey performed by _____ on (*dates*).
35. Elevations are based on U.S.G.S. datum. (**or** Elevations depicted are based on information obtained from the City Engineer's Office and was derived from coordinates for control stations _____ and _____. These coordinates have not been adjusted to 1983 datum).
36. A security system shall be installed as required by Chapter 58, Article I, section 58-2 of the Code of the City of Dover. (*If a business establishment or multi-family dwelling contained in a new, altered or repaired structure*)
37. Approved backflow preventers shall be provided for both fire and domestic water lines.
38. The (*existing or proposed*) structure shall be served by a sprinkler system as required by Chapter 109- 30 of the Code of the City of Dover and the adopted State of NH Building and Fire Codes.

- 39. 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.
- 40. 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.
- 41. 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.

REMARKS:



Memorandum

To: Ms. Erin R. Lambert, P.E., LEED AP
Wilcox & Barton, Inc.
#1B Commons Drive, Unit 12B
Londonderry, NH 03053

Date: August 12, 2019

Project #: 52615.00

From: Jason R. Plourde, P.E., PTP
Transportation Systems Team Lead

Re: Traffic Impact Assessment and Analysis
Wentworth Home Memory Care Addition
795 Central Avenue, Dover, NH

Vanasse Hangen Brustlin, Inc. (VHB) has prepared this memorandum to summarize the anticipated transportation impacts associated with a proposed memory care addition to the Wentworth Home facility located at 795 Central Avenue in Dover, NH. The facility currently includes 18 assisted living units and the proposed expansion is envisioned to provide 18 memory care units and 6 additional assisted living units for a total of 42 units. An entrance to the facility is provided along the Wentworth-Douglas Hospital northern driveway and an exit is provided directly on Central Avenue (Route 108). As proposed, the existing exit-only Central Avenue curb cut for the Wentworth Home facility would be closed and relocated approximately 210 feet to the north.

In accordance with City of Dover's Traffic Impact Assessment and Analysis Standards, a "Standard" traffic analysis is required based on the projected site trips associated with the Wentworth Home expansion (i.e., $\leq 1,000$ average daily trips and ≤ 100 peak hour trips). As such, this evaluation has been conducted to summarize the anticipated traffic impacts associated with the proposed project in conformance with the City of Dover's applicable standards satisfying the requirements of a Standard traffic analysis.

Existing Conditions

The existing site is located along the east side of Central Avenue and contains the Wentworth Home facility that provides assisted retirement care. Central Avenue is functionally classified as a Local Road (Class IV) and falls under City of Dover jurisdiction. Adjacent to the site, directional travel along Central Avenue is separated by a double yellow centerline. Central Avenue northbound consists of a single travel lane and Central Avenue southbound includes an exclusive left-turn and through lane. North of the site, the Central Avenue southbound left-turn lane transitions into a center turn lane (aka, two-way left-turn lane). The speed limit along Central Avenue adjacent to the site is posted at 30 miles per hour (mph).

Within the vicinity of the site, sidewalks are provided along both sides of Central Avenue with a crosswalk provided across the Wentworth-Douglas Hospital northern driveway. The Old Rollinsford Road signalized intersection is located approximately 770 feet south of the Wentworth Home driveway, and the Hannaford Supermarket signalized intersection is located approximately 1,070 feet north of the Wentworth Home driveway. Land uses in the vicinity of the site include Wentworth-Douglas Hospital to the south, residences to the west, and a medical office building to the north.

Sight Distance

To identify potential safety concerns associated with site access, sight distances have been evaluated at the Central Avenue intersection with the relocated Wentworth Home exit-only driveway to determine if the available sight lines for vehicles exiting the site meet or exceed the minimum distances required for approaching vehicles to safely stop. In accordance with Chapter 155-51-C of the City's Land Subdivision Regulations, an All-Season Sight Distance of 400 feet

2 Bedford Farms Drive
Suite 200
Bedford, NH 03110-6532
P 603.391.3900

should be provided at driveways along the adjacent street in both directions to ensure that there are no visual obstructions between a motorist on the minor street approach and approaching vehicles along the mainline. The intent of the City's All-Season Sight Distance is for motorists on the minor street approach to have sufficient view of the major roadway to decide when to enter the mainline traffic stream.



All-Season Sight Distance

To provide the safe and efficient flow of traffic to and from the site, existing and proposed plantings, vegetation, landscaping, and signing along the site frontage and at the site driveways should be kept low to the ground or set back sufficiently from the edge of the roadways so as not to inhibit the available sight lines. In accordance with Chapter 149-14-G(3)(d) of the City's Site Review Regulations, landscaping materials along the site frontage shall not cause a driving hazard. As such, a clear sight triangle must be provided at the site driveways. Based on field reconnaissance, sight lines were measured to exceed 450 feet both north and south of the relocated Wentworth Home exit-only driveway (as reflected on the aerial image to the left).

Public Transit

The Cooperative Alliance for Seacoast Transportation (COAST) provides fixed route bus service within the vicinity of the site in the form of Bus Route 2 and Bus Route 101 (Clipper Connection). In addition, University of New Hampshire provides Wildcat Transit Bus Route 3 service along Central Avenue. These buses have designated stops just south of the site. The northbound bus stop is located on the east side of Central Avenue between Old Rollinsford Road and Abbott Street with a bus shelter and far-side, pull-out stop. The southbound bus stop is located on the west side of Central Avenue between Lowell Avenue and Abbott Street.

The Bus Route 2 service runs between 5:25 AM and 10:24 PM on weekdays, and between 6:47 AM and 11:07 PM on Saturdays. The Clipper Connection is an express commuter route to and from the Portsmouth Naval Shipyard. Bus Route 101 runs between 5:51 AM and 4:38 PM on weekdays. Wildcat Transit Bus Route 3 provides normal transit service during the fall and spring college semester periods with reduced service during the winter months as well as during spring and summer college break periods. The Wildcat Transit Bus Route 3 regular service runs between 6:40 AM and 10:33 PM on weekdays, and between 9:05 AM and 9:03 PM on weekends. The reduced service runs between 6:40 AM and 7:04 PM on weekdays. The bus schedules are provided in the Appendix.

Recently, COAST issued a temporary service suspension notice for the 5:46 PM Bus Route 2 northbound run from Market Square due to a shortage of bus operators. This temporary suspension began on July 17, 2019 and is anticipated to end once sufficient staffing levels have been reached.

Proposed Development

Site Trips

Trip-generation rates published by the Institute of Transportation Engineers (ITE)¹ were researched to determine the site trips to be generated by the proposed project. ITE Land Use Code 254 (Assisted Living) was selected for the proposed 24 additional units. By ITE's definition, this type of land use provides a residential setting with either routine general protective oversight or assistance with activities necessary for independent living to mentally or physically limited persons. In addition, Alzheimer's and amyotrophic lateral sclerosis (ALS) care are commonly offered by these facilities. The trip-generation summary is provided in Table 1 with the trip-generation calculations provided in the Appendix.

As shown in Table 1, the proposed expansion to include 18 memory care units and 6 additional assisted living units is estimated to generate 62 vehicular trips (31 entering and 31 exiting) during an average weekday and 70 vehicular trips (35 entering and 35 exiting) during a Saturday. In addition, the proposed expansion project is estimated to generate 5 vehicular trips (3 entering and 2 exiting) during the weekday morning peak hour, 6 vehicular trips (2 entering and 4 exiting) during the weekday evening peak hour, and 6 vehicular trips (3 entering and 3 exiting) during the Saturday peak hour.

ITE methodologies state, "In lieu of other locally preferred thresholds, it is suggested that a transportation impact study be conducted whenever a proposed development will generate 100 or more added (new) trips during the adjacent roadways' peak hour or the development's peak hour."² The rationale is that an increase of 100 vehicles per hour or more could impact the vehicular operations on an intersection approach (i.e., drop in level of service). Based on the site-generated traffic volumes shown in Table 1, the ITE methodologies suggest that the proposed development would be expected to result in negligible impacts to the adjacent roadway system.

¹ *Trip Generation Manual*. 10th ed. Washington, DC: Institute of Transportation Engineers, 2017.

² *Transportation Impact Analyses for Site Development: An ITE Proposed Recommended Practice*. Washington, DC: Institute of Transportation Engineers, 2010.

Table 1: Trip-Generation Summary

Time Period/Direction	Proposed Site Trips ^a
Weekday Daily:	
<i>Enter</i>	31
<i>Exit</i>	<u>31</u>
<i>Total</i>	62
Weekday AM Peak Hour:	
<i>Enter</i>	3
<i>Exit</i>	<u>2</u>
<i>Total</i>	5
Weekday PM Peak Hour:	
<i>Enter</i>	2
<i>Exit</i>	<u>4</u>
<i>Total</i>	6
Saturday Daily:	
<i>Enter</i>	35
<i>Exit</i>	<u>35</u>
<i>Total</i>	70
Saturday Peak Hour:	
<i>Enter</i>	3
<i>Exit</i>	<u>3</u>
<i>Total</i>	6

^a ITE Land Use Code 254 (Assisted Living) for 24 beds.

Since the proposed expansion project is estimated to generate less than 1,000 daily trips and less than 100 peak hour trips, this Standard traffic analysis is required in accordance with the Traffic Impact Assessment and Analysis Standards as detailed within Chapter 149-13-A(20) of the City's Site Review Regulations and Chapter 155-9-I of the City's Land Subdivision Regulations.

Trip Distribution

New Hampshire Department of Transportation (NHDOT) has collected traffic volumes along Central Avenue within 1 mile to the north and south of site. The following provides a summary of these traffic volumes that were collected on Tuesday, September 13, 2016:

- Central Avenue south of Glenwood Avenue (approximately 0.3 miles north of the site):
 - o The weekday morning peak hour occurred between 7-8 AM with the predominant traffic flow along Central Avenue southbound (60%).

- o The weekday midday peak hour occurred between 12-1 PM with traffic flow balanced along Central Avenue northbound and southbound (50/50 split).
- o The weekday evening peak hour occurred between 3-4 PM with the predominant traffic flow along Central Avenue northbound (54%).
- Central Avenue north of Chestnut Street (approximately 0.9 miles south of the site):
 - o The weekday morning peak hour occurred between 9-10 AM with the predominant traffic flow along Central Avenue northbound (53%).
 - o The weekday midday peak hour occurred between 12-1 PM with the predominant traffic flow along Central Avenue northbound (57%).
 - o The weekday evening peak hour occurred between 4-5 PM with the predominant traffic flow along Central Avenue southbound (52%).

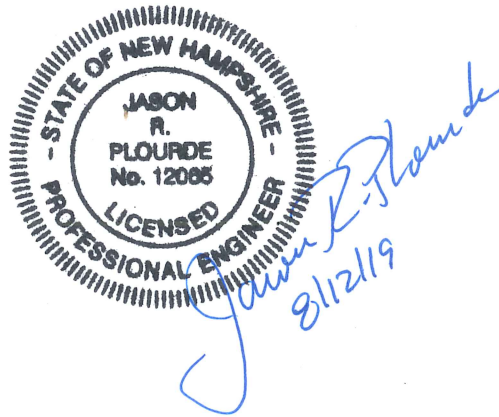
Upon a more detailed evaluation of the traffic count data, traffic volumes are somewhat balanced along the Central Avenue corridor for northbound and southbound travel. Based on the trip-generation estimates and an even distribution split for the proposed Wentworth Home facility expansion, the site-specific traffic volumes were assigned to the roadway network. As shown in Table 2, peak hour traffic volumes are estimated to increase in the range of 3 to 4 vehicles per hour north of the site and 2 to 3 vehicles per hour south of the site. These minimal increases represent, on average, 1 additional vehicle every 15 to 30 minutes. It should be noted that due to the very low site-generated traffic volumes, alternative distribution patterns would not produce significantly different results.

Table 2: Trip Increase Summary

Peak Hour/Direction	North of the Site	South of the Site
Weekday AM Peak Hour:		
<i>Enter</i>	2	1
<i>Exit</i>	<u>1</u>	<u>1</u>
<i>Total</i>	3	2
Weekday PM Peak Hour:		
<i>Enter</i>	1	1
<i>Exit</i>	<u>2</u>	<u>2</u>
<i>Total</i>	3	3
Saturday Peak Hour:		
<i>Enter</i>	2	1
<i>Exit</i>	<u>2</u>	<u>1</u>
<i>Total</i>	4	2

Conclusion

In summary, ITE *Trip Generation* methodologies anticipate that the additional vehicular trips associated with the proposed Wentworth Home facility expansion project would have negligible impacts to the adjacent roadway system during the weekday morning, weekday evening, and Saturday midday peak hours. Available sight lines to the north and to the south of the Central Avenue intersection with the Wentworth Home exit-only driveway (i.e., existing curb cut proposed to be relocated approximately 210 feet to the north) exceed the City's All-Season Sight Distance requirement. To provide the safe and efficient flow of traffic to and from the site, plantings, vegetation, landscaping, and signing along the site frontage are proposed to be kept low to the ground or set back sufficiently from the edge of the roadways so as not to inhibit the available sight lines.



APPENDIX A:
Public Transit Information

2

Route 2 Map

NORTHBOUND

Route 2 Bus Stops

2

PORTSMOUTH

● **Market Square**
(Connect to Routes 4, 40, 41)

- Maplewood Ave./Hanover St.
- Russell St. (Sheraton Harborside)
- Market St./I-95
- Market St./Kearsarge Way
- Portsmouth Blvd./Shearwater Dr.
- 215 Commerce Way
- 175 Commerce Way

● **Commerce Way (Marshall's Plaza)**
• Woodbury Ave. (Starbucks)

NEWINGTON

- Gosling Rd. (Gosling Meadows)
- The Crossings (Regal Cinema)

● **Fox Run Mall**
(Connect to Routes 4, 40)

- Shattuck Way/Piscataqua Dr. *ON CALL*
- Shattuck Way/Avery Rd. *ON CALL*
- Shattuck Way/Patterson Ln. *ON CALL*
- Shattuck Way/River Rd. *ON CALL*
- Shattuck Way (Sprague) *ON CALL*

DOVER

- Dover Point Rd. (Coastal Furniture)
- Dover Point Rd./Homestead Ln.
- Dover Point Rd./Pearson Dr.
- Dover Point Rd./Roberta Dr.
- Dover Point/Roberts Rds.
- Dover Point Rd./Riverside Dr.

● **Dover Point Rd.**
(St. Thomas Aquinas HS)

- Dover Point/Middle Rds.
- Dover Point Rd./Tuttle Ln.
- Dover Point Rd./Toftree Ln.
- Dover Point Rd./Constitution Way
- Dover Point Rd. (Dover Point Office Park)
- Dover Point Rd. (Bill Dube Ford)
- Dover Point Rd./Pointe Pl.
- Dover Point Rd. (Weathervane Restaurant)
- Stark Ave./Hawthorn Rd.
- Stark Ave./Beech Rd.
- Central Ave. (Pine Hill Cemetery)
- Central Ave./Union St.
- Central Ave. (Central Towers)
- Washington St./Central Ave.
- Green St. (Waldron Towers)
- Chestnut/Orchard Sts. (Cocheco Park)

● **Dover Transportation Center**
(Connect to Routes 1, 3, 33, Downeaster)

- Third St./Central Ave.
- Central Ave./New York St.
- Central Ave. (Tasker Funeral Home)

- Central Ave./Oak St. (Rite-Aid)
- Central Ave. (Wentworth-Douglass Hospital)
- **Central Ave. (Shaw's)**
(Connect to Routes 1, 3)
- New Rochester/Willand Pond Rds. (Applebee's)
- New Rochester Rd./Sherman St.
- New Rochester Rd. (Winchester Arms Apts.)

SOMERSWORTH

- NH 108 (Midway Buick)
- NH 108/Terrascape Pkwy.
- NH 108/Blackwater Rd. (Key Auto)
- NH 108 (Marsh Brook Professional Center)
- NH 108/Clark Way
- NH 108 (Keystone Dental)
- **NH 108 (Goodwin Community Health)**
- NH 108 (Buster's Billiards)
- NH 108 (Kelley's Row)

ROCHESTER

- Rochester Hill/Haven Hill Rds.
- Rochester Hill Rd. (Profile Apts.)
- Rochester Hill Rd. (Granite State Business Park)
- Rochester Hill Rd. (Skyhaven Airport)
- Rochester Hill Rd./Windhaven Dr.
- Rochester Hill Rd. (Hi-Vu Motor Inn)
- Rochester Hill Rd. (Collonade Apts.)
- Rochester Hill Rd./Cornerstone Ct.
- Rochester Hill Rd. (Rochester Professional Park)
- **Rochester Hill Rd. (Frisbie Memorial Hospital)**
- South Main/Linden Sts. (Autozone)
- South Main St. (Bank of America)
- Wakefield St. (Rochester City Hall)
- Wakefield St. (Spaulding High School)
- Wakefield St. (Lilac Plaza)

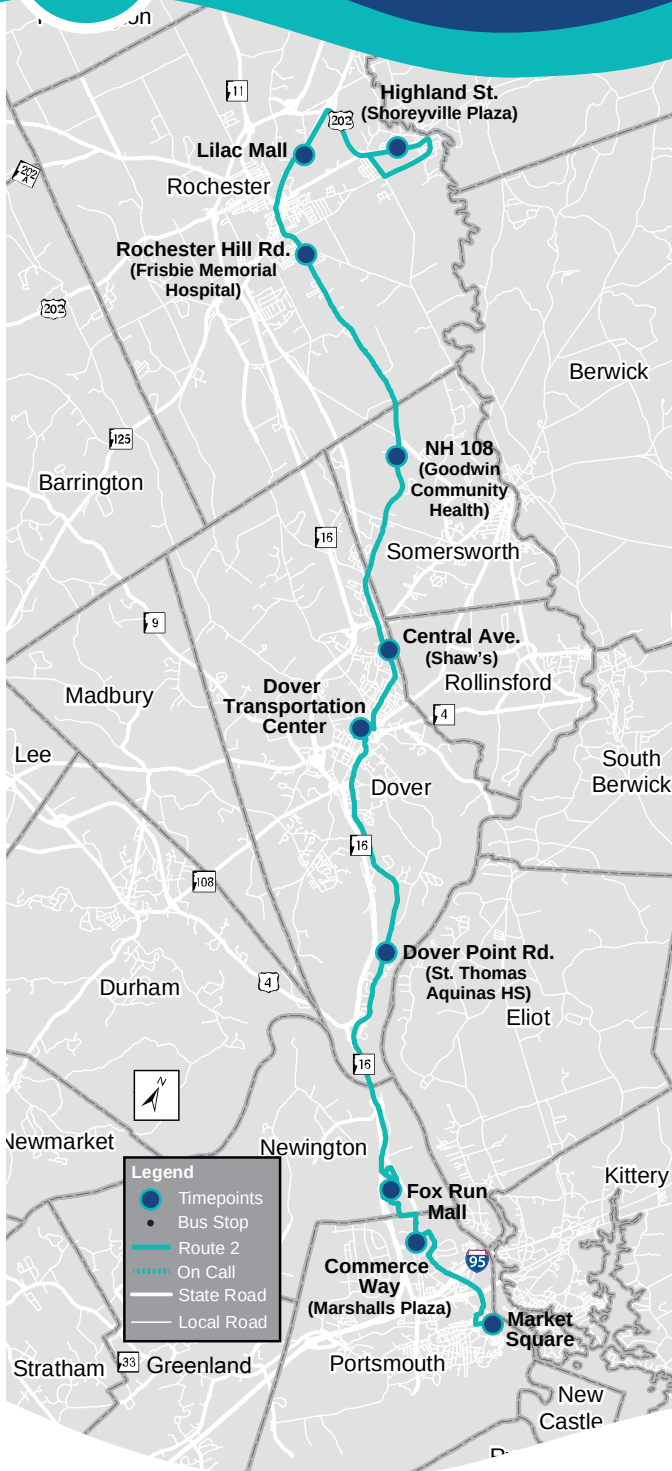
● **Lilac Mall (Connect to Route 6)**

- Milton Rd. (HannaFord)
- Milton Rd./Jarvis Ave.
- Salmon Falls Rd./Roux Dr.
- Portland St./Salmon Falls Rd.
- 733 Portland St.
- Portland St. (East Rochester School)
- Portland/Broadway Sts.
- Portland St./Crowhill Rd.
- Main St./Cocheco Ave.
- Main/Highland Sts.
- Highland St. (Rochester East Apartments)
- **Highland St. (Shoreville Plaza)**
- Milton Rd. (Dunkin' Donuts)

ON CALL stops are served drop-off only on Saturdays.

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NORTHBOUND

Route 2N Weekday • Portsmouth • Newington • Dover • Somersworth • Rochester

PORTSMOUTH												
• Market Square												
• Commerce Way (Marshall's Plaza)												
NEWINGTON												
• Fox Run Mall												
DOVER												
• Dover Point Rd. (St. Thomas Aquinas High School)												
• Dover Transportation Center												
• Central Ave. (Shaw's)												
SOMERSWORTH												
• NH 108 (Goodwin Community Health)												
ROCHESTER												
• Rochester Hill Rd. (Frisbie Memorial Hospital)												
• Lilac Mall												
• Highland St. (Shoreville Plaza)												
--	--	--	--	--	--	--	--	--	--	--	--	--
6:13am	7:13am	7:55am	9:15am	10:11am	11:19am	12:17pm	1:14pm	2:22pm	3:23pm			
6:23am	7:24am	8:09am	9:26am	10:26am	11:34am	12:30pm	1:32pm	2:40pm	3:38pm			
--	--	--	--	--	--	--	--	--	--	--	--	--

• --: No Service
• The 5:49am run starts service at Central Avenue (Central Towers) at 5:46am.
• The 6:47am run starts service at Central Avenue (Central Towers) at 6:44am.

continued on next page



NORTHBOUND *continued*

Route 2N Weekday • Portsmouth • Newington • Dover • Somersworth • Rochester

PORTSMOUTH												
• Market Square												
• Commerce Way (Marshall's Plaza)												
NEWINGTON												
• Fox Run Mall												
DOVER												
• Dover Point Rd. (St. Thomas Aquinas High School)												
• Dover Transportation Center												
• Central Ave. (Shaw's)												
SOMERSWORTH												
• NH 108 (Goodwin Community Health)												
ROCHESTER												
• Rochester Hill Rd. (Frisbie Memorial Hospital)												
• Lilac Mall												
• Highland St. (Shoreville Plaza)												
--	--	--	--	--	--	--	--	--	--	--	--	--
4:23pm	4:49pm	5:30pm	6:01pm	6:26pm	7:00pm	7:31pm	8:19pm	9:11pm	10:12pm			
4:36pm	5:01pm	5:43pm	6:15pm	6:39pm	7:13pm	7:44pm	8:30pm	9:24pm	10:24pm			
--	--	--	--	--	--	--	--	--	--	--	--	--

• --: No Service

2

Route 2 Map

SOUTHBOUND

Route 2 Bus Stops

2

ROCHESTER

- **Salmon Falls Rd./Roulx Dr.**
 - Portland St./Salmon Falls Rd.
 - 733 Portland St.
 - Portland St. (East Rochester School)
 - Portland/Broadway Sts.
 - Portland St./Crowhill Rd.
 - Main St./Cocheco Ave.
 - Main/Highland Sts.
 - Highland St. (Rochester East Apartments)
- **Highland St. (Shoreville Plaza)**
 - Milton Rd. (Dunkin' Donuts)
 - Milton/Norway Plains Rds.ly
- **Lilac Mall (Connect to Route 6)**
 - Wakefield St./Community Way
 - Wakefield St. (Spaulding High School)
 - Wakefield/Union Sts.
 - South Main St. (Friendly's)
 - South Main/Lincoln Sts.
- **Rochester Hill Rd. (Frisbie Memorial Hospital)**
 - Rochester Hill Rd. (Rochester Professional Park)
 - Rochester Hill Rd./Ryan Cir.
 - Rochester Hill Rd./Nola Ave.
 - Rochester Hill Rd. (Hi-Vu Motor Inn)
 - Rochester Hill Rd./Windhaven Dr. (Rochester Hill Professional Bldg.)
 - Rochester Hill Rd. (Skyhaven Airport)
 - Rochester Hill Rd. (So'Field Apts.)
 - Rochester Hill Rd. (Profile Apts.)
 - Rochester Hill Rd./Quail Dr.

SOMERSWORTH

- NH 108 (Tire Warehouse)
- NH 108/Interstate Dr. (Industrial Park)
- **NH 108 (Barclay Square)**
 - NH 108/Pinewood Dr.
 - NH 108 (The Works)
 - NH 108/Blackwater Rd.
 - NH 108 (Women's Life Imaging Center)
 - NH 108 (Coastal Neurology)

DOVER

- New Rochester Rd. (Strafford Farms Restaurant)
- New Rochester Rd./Hotel Dr. (Weeks Crossing Plaza)
- **Central Ave. (Shaw's) (Connect to routes 1, 3)**
 - Central Ave./Abbott St.
 - Central Ave./Ash St.
 - Central Ave./Hough St. (U-Haul)
 - Chestnut/Lincoln Sts. (Carswell Auto Parts)

● **Dover Transportation Center** (Connect to Routes 1, 3, 33, Downeaster)

- Chestnut St. (Riverview Apts./Post Office)
- Green St. (Waldron Towers)
- Central Ave. (Dover City Hall)
- Central Ave./Spring St.
- Central Ave. (CVS Pharmacy)
- Stark Ave./South Watson Ln.
- Stark/Renaud Aves.
- Dover Point Rd./Elliot Park Dr.
- Dover Point Rd. (Dover Chevrolet/Honda)
- Dover Point Rd./Sheffield Dr.
- Dover Point Rd. (St. Mary's Cemetery)
- Dover Point Rd./Constitution Way
- Dover Point Rd. (Nordic Stove Shoppe)
- Dover Point Rd. (Tendercrop Farm)
- Dover Point/Middle Rds.
- Dover Point Rd./Evan's Dr.

● **Dover Point Rd. (St. Thomas Aquinas High School)**

- Dover Point Rd./New Bellamy Ln.
- Dover Point/Roberts Rds.
- Dover Point Rd./Baldwin Way
- Dover Point Rd./Pearson Dr.
- Dover Point Rd./Homestead Ln.
- Boston Harbor Rd. (DMV) *ON CALL*

NEWINGTON

- Shattuck Way/Nimble Hill Rd. *ON CALL*
- Shattuck Way (Custom Pools) *ON CALL*
- Shattuck Way/River Rd. *ON CALL*
- Shattuck Way/Patterson Ln. *ON CALL*
- Shattuck Way/Avery Rd. *ON CALL*
- Shattuck Way/Piscataqua Dr. *ON CALL*

● **Fox Run Mall (Connect to routes 4, 40)**

- The Crossings (Regal Cinema)
- Gosling/Winsor Rds. (Gosling Meadows)

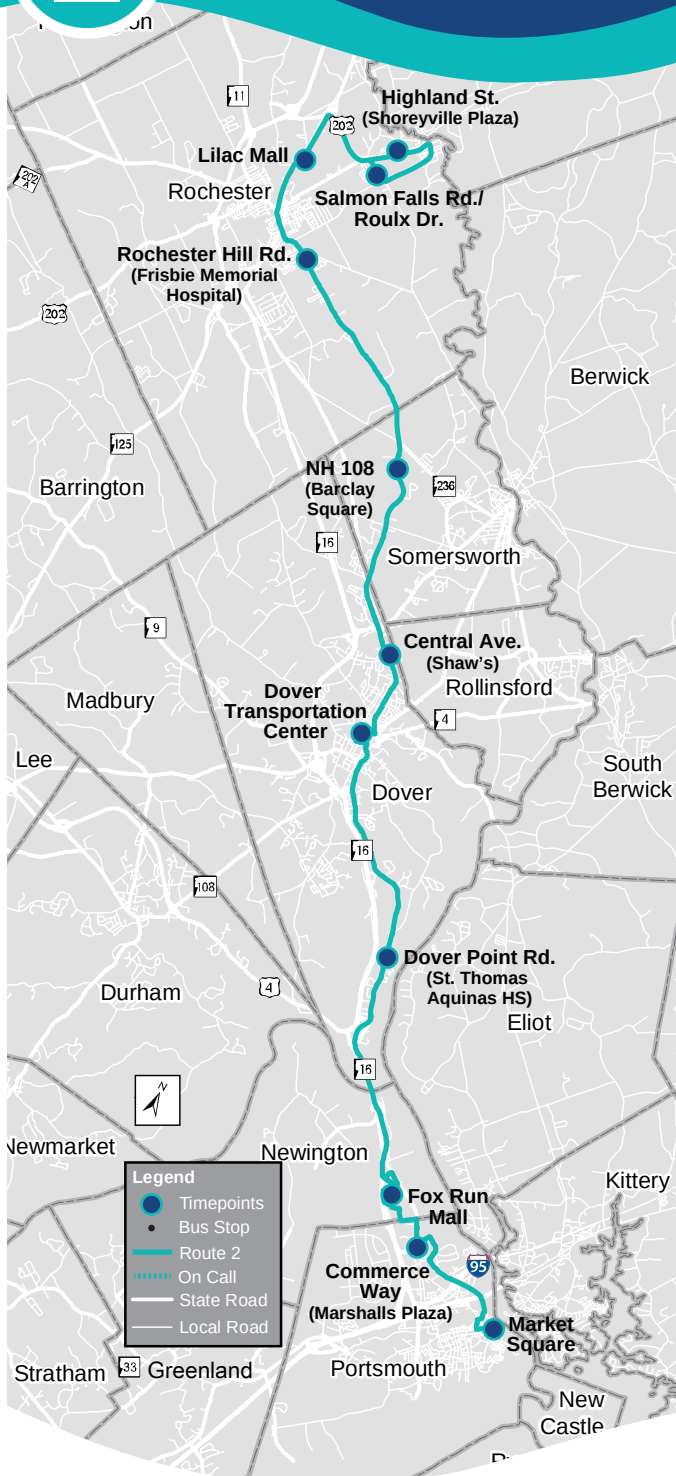
PORTSMOUTH

- Woodbury Ave. (Verizon Wireless)
- **Commerce Way (Marshalls Plaza)**
 - 170 Commerce Way
 - Commerce Way/Portsmouth Blvd.
 - Market St. (Courtyard Marriott)
 - Market St./I-95
 - Russell/Deer Sts.
 - Hanover St. (Vaughan Mall)
 - Hanover St. (High-Hanover Parking Facility)
- **Market Square (Connect to routes 4, 40, 41)**

ON CALL stops are served drop-off only on Saturdays.

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SOUTHBOUND

Route 2S Weekday • Rochester • Somersworth • Dover • Newington • Portsmouth

ROCHESTER												
• Salmon Falls Rd./Roux Dr.	--	--	5:45am	--	6:45am	--	7:45am	8:22am	--	--	--	--
• Highland St. (Shoreville Plaza)	--	--	5:50am	--	6:50am	--	7:50am	8:27am	--	--	--	--
• Lilac Mall	--	5:25am	5:55am	6:25am	6:55am	7:25am	7:55am	8:32am	9:28am	10:28am	--	--
• Rochester Hill Rd. (Frisbie Memorial Hospital)	--	5:34am	6:04am	6:34am	7:04am	7:34am	8:04am	8:41am	9:37am	10:37am	--	--
SOMERSWORTH												
• NH 108 (Barclay Square)	--	5:40am	6:10am	6:40am	7:10am	7:40am	8:10am	8:47am	9:43am	10:43am	--	--
DOVER												
• Central Ave. (Shaw's)	--	5:53am	6:23am	6:55am	7:25am	7:55am	8:23am	9:00am	9:58am	10:58am	--	--
• Dover Transportation Center	5:27am	6:00am	6:30am	7:03am	7:33am	8:03am	8:31am	9:08am	10:06am	11:06am	--	--
• Dover Point Rd. (St. Thomas Aquinas High School)	5:39am	6:12am	6:42am	7:15am	7:45am	8:15am	8:43am	9:20am	10:18am	11:18am	--	--
NEWINGTON												
• Fox Run Mall	5:47am	6:21am	6:56am	7:33am	8:03am	8:33am	9:01am	9:38am	10:34am	11:34am	--	--
PORTSMOUTH												
• Commerce Way (Marshalls Plaza)	--	6:27am	7:02am	7:39am	8:09am	8:39am	9:07am	9:44am	10:40am	11:40am	--	--
• Market Square	--	6:38am	7:14am	7:52am	8:23am	8:54am	9:23am	9:59am	10:55am	11:55am	--	--

• --: No Service

• The 5:27am run from the Dover Transportation Center continues from the Fox Run Mall as the Route 40 Inbound. It does not continue as 2S.

continued on next page



SOUTHBOUND continued

Route 2S Weekday • Rochester • Somersworth • Dover • Newington • Portsmouth

ROCHESTER												
• Salmon Falls Rd./Roux Dr.	--	--	--	--	--	--	--	--	--	--	--	--
• Highland St. (Shoreville Plaza)	--	--	--	--	--	--	--	--	--	--	--	--
• Lilac Mall	11:35am	12:32pm	1:34pm	2:42pm	3:40pm	4:38pm	5:45pm	6:41pm	7:45pm	8:31pm	--	--
• Rochester Hill Rd. (Frisbie Memorial Hospital)	11:44am	12:41pm	1:43pm	2:51pm	3:49pm	4:47pm	5:54pm	6:50pm	7:54pm	8:40pm	--	--
SOMERSWORTH												
• NH 108 (Barclay Square)	11:50am	12:47pm	1:49pm	2:57pm	3:55pm	4:53pm	6:00pm	6:56pm	8:00pm	8:46pm	--	--
DOVER												
• Central Ave. (Shaw's)	12:07pm	1:04pm	2:06pm	3:14pm	4:12pm	5:10pm	6:15pm	7:09pm	8:13pm	9:06pm	--	--
• Dover Transportation Center	12:15pm	1:12pm	2:14pm	3:22pm	4:20pm	5:18pm	6:23pm	7:17pm	8:21pm	9:06pm	--	--
• Dover Point Rd. (St. Thomas Aquinas High School)	12:27pm	1:24pm	2:26pm	3:34pm	4:32pm	5:30pm	6:35pm	7:29pm	8:33pm	--	--	--
NEWINGTON												
• Fox Run Mall	12:43pm	1:40pm	2:42pm	3:50pm	4:48pm	5:43pm	6:48pm	7:42pm	8:46pm	--	--	--
PORTSMOUTH												
• Commerce Way (Marshalls Plaza)	12:49pm	1:46pm	2:48pm	3:56pm	4:54pm	5:49pm	6:54pm	7:48pm	8:52pm	--	--	--
• Market Square	1:04pm	1:59pm	2:59pm	4:09pm	5:09pm	6:04pm	7:05pm	7:59pm	9:04pm	--	--	--

• --: No Service

• The 8:31pm run from the Lilac Mall ends service at Dover City Hall.

2 NORTHBOUND

Route 2N Saturday • Portsmouth • Newington • Dover • Somersworth • Rochester

PORTSMOUTH									
● Market Square	--	8:54am	10:12am	12:14pm	1:50pm	3:21pm	4:58pm	6:58pm	9:46pm
	--	9:03am	10:21am	12:23pm	1:59pm	3:30pm	5:07pm	7:07pm	9:55pm
NEWINGTON									
● Fox Run Mall	--	9:19am	10:37am	12:38pm	2:15pm	3:44pm	5:21pm	7:23pm	10:11pm
DOVER									
● Dover Point Rd. (St. Thomas Aquinas High School)	--	9:28am	10:46am	12:47pm	2:24pm	3:53pm	5:30pm	7:32pm	10:20pm
● Dover Transportation Center	6:47am	9:42am	11:02am	1:03pm	2:39pm	4:10pm	5:47pm	7:43pm	10:29pm
	6:59am	9:51am	11:16am	1:15pm	2:53pm	4:24pm	5:57pm	7:57pm	10:39pm
SOMERSWORTH									
● NH 108 (Goodwin Community Health)	7:07am	9:59am	11:24am	1:23pm	3:01pm	4:32pm	6:05pm	8:05pm	10:47pm
ROCHESTER									
● Rochester Hill Rd. (Frisbie Memorial Hospital)	7:13am	10:05am	11:30am	1:29pm	3:07pm	4:38pm	6:11pm	8:11pm	10:53pm
● Lilac Mall	7:24am	10:15am	11:46am	1:48pm	3:26pm	4:52pm	6:25pm	8:25pm	11:07pm

* --: No Service
 • The 6:47am run starts service at Central Ave. (Central Towers) at 6:44am.

2 SOUTHBOUND

Route 2S Saturday • Rochester • Somersworth • Dover • Newington • Portsmouth

ROCHESTER									
● Lilac Mall	7:25am	8:45am	10:16am	11:48am	1:50pm	3:28pm	4:53pm	8:26pm	
● Rochester Hill Rd. (Frisbie Memorial Hospital)	7:34am	8:54am	10:25am	11:57am	1:59pm	3:37pm	5:02pm	8:35pm	
SOMERSWORTH									
● NH 108 (Barclay Square)	7:40am	9:00am	10:31am	12:03pm	2:05pm	3:43pm	5:08pm	8:41pm	
DOVER									
● Central Ave. (Shaw's)	7:55am	9:13am	10:47am	12:20pm	2:22pm	4:00pm	5:25pm	8:54pm	
● Dover Transportation Center	8:03am	9:21am	10:52am	12:28pm	2:30pm	4:08pm	5:33pm	9:02pm	
● Dover Point Rd. (St. Thomas Aquinas High School)	8:15am	9:33am	11:04am	12:40pm	2:42pm	4:20pm	5:45pm	9:14pm	
NEWINGTON									
● Fox Run Mall	8:31am	9:49am	11:18am	12:56pm	3:00pm	4:36pm	5:58pm	9:27pm	
PORTSMOUTH									
● Commerce Way (Marshalls Plaza)	8:37am	9:55am	11:24am	1:02pm	3:06pm	4:42pm	6:04pm	9:33pm	
● Market Square	8:53am	10:11am	11:38am	1:18pm	3:20pm	4:56pm	6:18pm	9:45pm	

About the Clipper Connection

The Clipper Connection is COAST's express bus service for commuters heading to and from the Portsmouth Naval Shipyard.

The Clipper Connection runs **Monday-Friday**, year-round.

COAST does not operate services on the following holidays:

New Year's Day, Memorial Day
Independence Day, Labor Day, Thanksgiving Day, Christmas Day

Find more information at

www.coastbus.org

Get service announcements and alerts by following us on Twitter

[www.twitter.com/COASTbus](https://twitter.com/COASTbus)

Clipper Connection Fares/Passes

Clipper Connection Monthly Pass \$255

Good for unlimited rides on all COAST and Wildcat Transit routes. Valid for one calendar month.

Shipyard employees may be eligible for free passes through the TIPS program. Please contact your supervisor for more information.

Cash Fare \$7 (per boarding)

Half Fare is available to those who qualify. For more information, please visit: www.coastbus.org/fares

Emergency Ride Home

The Emergency Ride Home (ERH) Program is your safety net if you have an unexpected personal or family illness/emergency, or unscheduled overtime.

The ERH Program is available from
7:00 AM to 5:00 PM, Monday - Friday.

Allowable destinations include your car, home, child's day care or school, medical facility, or an interim stop that is part of the emergency.

Clipper Connection monthly pass holders are automatically registered for the ERH Program.

If you have an unexpected emergency and need a ride, **call COAST at (603)743-5777**, **Option 1**. You will be asked about pick-up and drop-off locations, and we will let you know how soon to expect your ride (usually within 20-30 minutes, depending on traffic).

For more information, please visit
www.coastbus.org/clipper

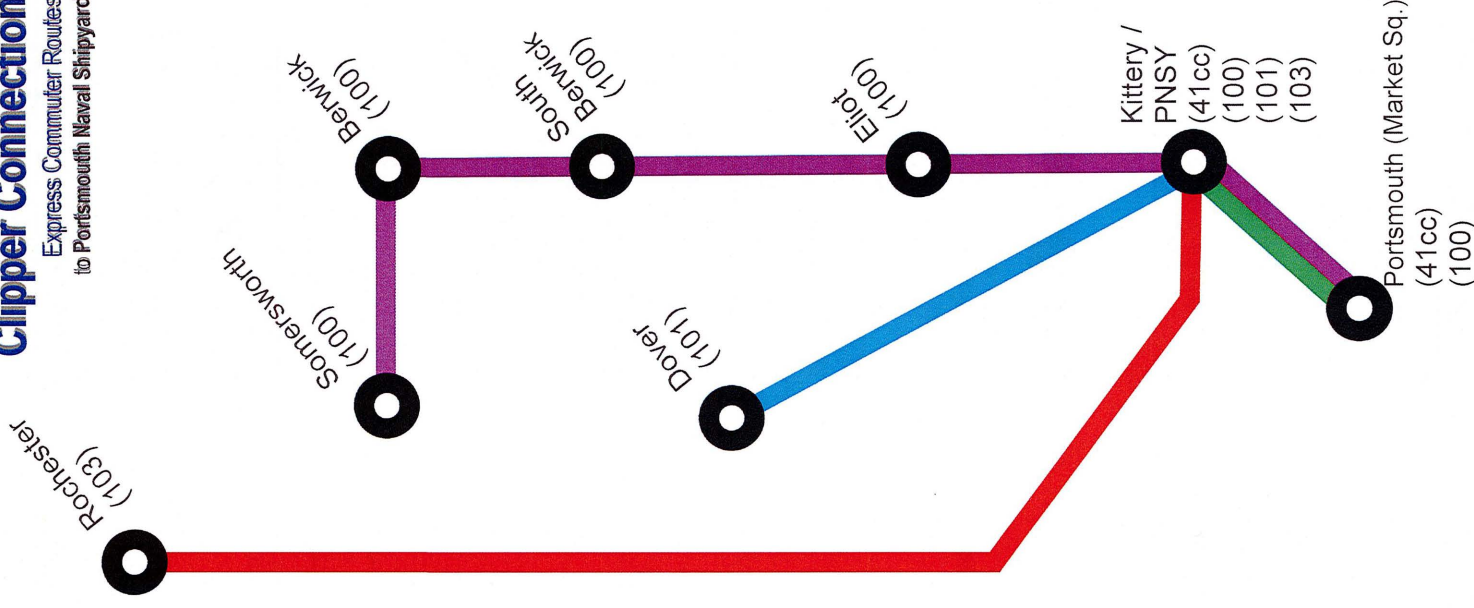


www.coastbus.org

603-743-5777



Clipper Connection Express Commuter Routes to Portsmouth Naval Shipyard



Cooperative Alliance for Seacoast Transportation

Clipper Connection Express Commuter Routes to PNSY

**Somersworth, Berwick
South Berwick, Eliot**

100

Dover

101

Rochester

103

Portsmouth

41cc

Sit back and let us do the driving!

Save money.

**Reduce wear & tear on your vehicle.
Reduce your carbon footprint.
Relax on your daily commute.**

July 2, 2018

100

SOMERSWORTH, BERWICK, SOUTH BERWICK, ELIOT
to/from NAVY YARD & PORTSMOUTH

AM Southbound

SOMERSWORTH	
Tri-City Plaza (Lumber Liquidators)	5:50a P
High St./Stackpole Rd.	5:54
High/Franklin Sts.	5:56
High St./Constitutional Way	5:58 P
BERWICK	
Sullivan St. (Berwick Town Hall)	6:01 P
Allen St./Saw Mill Hill	6:03
SOUTH BERWICK	
Main/Norton Sts.	6:09 P
Main St. (Central School)	6:10 P
ELIOT	
Eliot Commons	6:20 P
KITTERY	
Government St. (PNSY Gate 1)	6:33
PORTSMOUTH	
Market Square	6:45

41cc

AM

(arrives in Market Sq. as Rt. 41 inbound)

PORTSMOUTH	
Market Square	6:28a
KITTERY	
Government St. (PNSY Gate 1)	6:38
PORTSMOUTH	
Market Square	6:50

(continues on as the Rt. 40 outbound)

PM Northbound

KITTERY	
PNSY Building 86	3:40p
PNSY Gate 1	
ELIOT	
Eliot Commons [On Request Only]	3:56
SOUTH BERWICK	
Main St. (S. Berwick Town Hall)	4:11
Main/Norton Sts. (Post Office)	4:14
BERWICK	
Allen St./Saw Mill Hill	4:22
Sullivan St. (Berwick Town Hall)	4:25
SOMERSWORTH	
High St. (VFW/City Hall)	4:28
High St./Memorial Dr.	4:32
High/Bernier Sts.	4:35
Tri-City Plaza (Lumber Liquidators)	4:42

For PM service from Market Square, board the Clipper Connection Trolley at 3:28p (see 41cc below).

PORTSMOUTH to/from NAVY YARD

PM

PORTSMOUTH	
Market Square*	3:28p
KITTERY	
PNSY Gate 1	3:43
PORTSMOUTH	
Market Square	3:53

(continues on as the Rt. 41 outbound)

*Connections are available to routes 100-103 at PNSY Gate 1. Make your request to the driver as you board the bus.

101

AM Southbound

DOVER	
Knox Marsh Rd. (Lilac Garden)	5:51a
Shaw's Plaza/Friendly's	6:01 P
Central Ave. (CVS Pharmacy)	6:12 P
KITTERY	
Government St. (PNSY Gate 1)	6:36

Continuing service to Portsmouth is available at PNSY Gate 1. Riding beyond Market Square costs an additional fare (see 41cc).

103

AM Southbound

ROCHESTER	
South Main St. (Bank of America)	5:45a
Wakefield St. (Rochester City Hall)	5:46
North Main St./Cove Ct.	5:47
Rochester Park & Ride	5:53 P
KITTERY	
Government St. (PNSY Gate 1)	6:25

Continuing service to Portsmouth is available at PNSY Gate 1. Riding beyond Market Square costs an additional fare (see 41cc).

DOVER to/from NAVY YARD

PM Northbound

KITTERY	
PNSY Building 86	3:40p
DOVER	
Central Ave. (Pine Hill Cemetery)	4:12
Shaw's Plaza/Friendly's	4:27
Knox Marsh Rd. (Lilac Garden)	4:38

For PM service from Market Square, board the Clipper Connection Trolley at 3:28p (see 41cc).

ROCHESTER to/from NAVY YARD

PM Northbound

KITTERY	
PNSY Building 86	3:40p
ROCHESTER	
Rochester Park & Ride	4:24
North Main/Pine Sts.	4:32
Wakefield St. (Rochester City Hall)	4:35

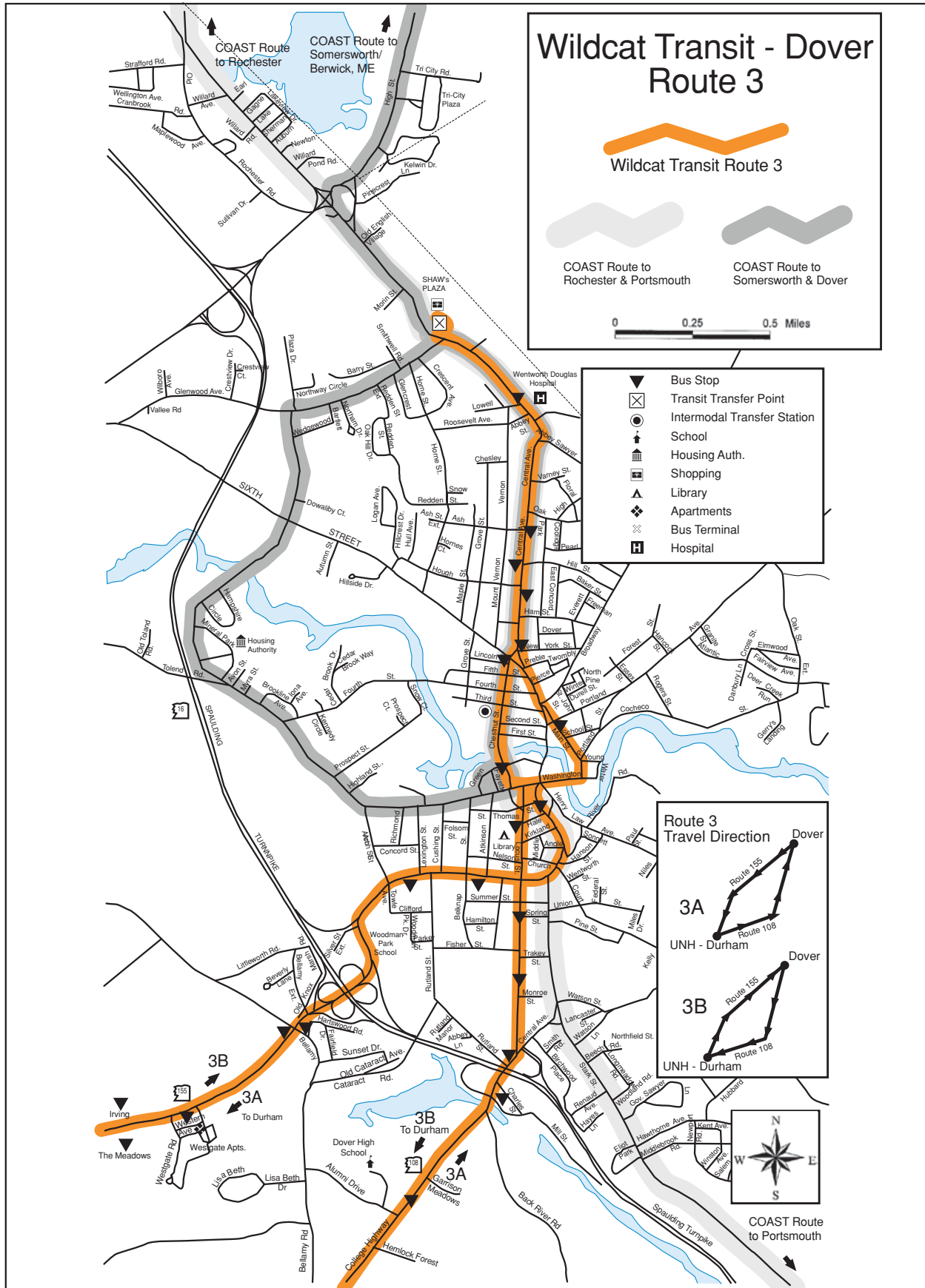
For PM service from Market Square, board the Clipper Connection Trolley at 3:28p (see 41cc).

Clipper Connection Monthly Pass holders can ride or transfer to any other COAST routes for FREE!

Times are approximate. Please be waiting at your stop a few minutes early.

Full bus stop listings are available online at www.coastbus.org.

Northbound service on routes 100-103 is drop-off only after departing the Navy Yard.



Route 3A Weekday

Dover 3A

UNH/Durham to Dover via Route 108 / Dover to UNH/Durham via Route 155

Monday - Friday

Stop ID # & Location	Run 1	Run 2	Run 3	Run 4	Run 5	Run 6	Run 7	Run 8
Outbound								
101 DEPART UNH McCONNELL HALL	6:40 AM	7:45 AM	8:55 AM	11:05 AM	1:05 PM	3:35 PM	5:05 PM	7:35 PM
102 DEPART UNH KINGSBURY HALL	6:42 AM	7:47 AM	8:57 AM	11:07 AM	1:07 PM	3:37 PM	5:07 PM	7:37 PM
103 DEPART UNH HEWITT HALL	6:42 AM	7:47 AM	8:57 AM	11:07 AM	1:07 PM	3:37 PM	5:07 PM	7:37 PM
104 DEPART MAIN STREET @ UNH THOMPSON HALL	6:45 AM	7:50 AM	9:00 AM	11:10 AM	1:10 PM	3:40 PM	5:10 PM	7:40 PM
106 DEPART MAIN STREET @ UNH HETZEL HALL	6:47 AM	7:52 AM	9:02 AM	11:12 AM	1:12 PM	3:42 PM	5:12 PM	7:42 PM
107 Rte 108 @ Old Landing Road	6:49 AM	7:54 AM	9:04 AM	11:14 AM	1:14 PM	3:44 PM	5:14 PM	7:44 PM
109 Rte 108 @ Old Piscataqua Road	6:49 AM	7:54 AM	9:04 AM	11:14 AM	1:14 PM	3:44 PM	5:14 PM	7:44 PM
144 Rte 108 @ Stone Quarry Drive	6:49 AM	7:54 AM	9:04 AM	11:14 AM	1:14 PM	3:44 PM	5:14 PM	7:44 PM
808 Rte 108 @ Little Tree Education	6:53 AM	7:58 AM	9:08 AM	11:18 AM	1:18 PM	3:48 PM	5:18 PM	7:48 PM
241 Rte 108 @ Arrow Brook Road	6:54 AM	7:59 AM	9:09 AM	11:19 AM	1:19 PM	3:49 PM	5:19 PM	7:49 PM
243 Rte 108 @ Mast Road	6:54 AM	7:59 AM	9:09 AM	11:19 AM	1:19 PM	3:49 PM	5:19 PM	7:49 PM
223 Rte 108 @ Adelle Drive	6:55 AM	8:00 AM	9:10 AM	11:20 AM	1:20 PM	3:50 PM	5:20 PM	7:50 PM
224 Rte 108 @ Dover Veterinary Hospital	6:56 AM	8:01 AM	9:11 AM	11:21 AM	1:21 PM	3:51 PM	5:21 PM	7:51 PM
225 Rte 108 @ Charles St [Sullivan Tire]	6:58 AM	8:03 AM	9:13 AM	11:23 AM	1:23 PM	3:53 PM	5:23 PM	7:53 PM
226 Locust Street @ CVS Pharmacy	6:59 AM	8:04 AM	9:14 AM	11:24 AM	1:24 PM	3:54 PM	5:24 PM	7:54 PM
221 180 Locust Street	6:59 AM	8:04 AM	9:14 AM	11:24 AM	1:24 PM	3:54 PM	5:24 PM	7:54 PM
227 Locust Street @ Dover City Hall	7:01 AM	8:06 AM	9:16 AM	11:26 AM	1:26 PM	3:56 PM	5:26 PM	7:56 PM
239 Main Street @ Janetos	7:03 AM	8:08 AM	9:18 AM	11:28 AM	1:28 PM	3:58 PM	5:28 PM	7:58 PM
209 Central Ave @ New York Street	7:04 AM	8:09 AM	9:19 AM	11:29 AM	1:29 PM	3:59 PM	5:29 PM	7:59 PM
207 Central Ave @ Tasker Funeral Home	7:05 AM	8:10 AM	9:20 AM	11:30 AM	1:30 PM	4:00 PM	5:30 PM	8:00 PM
210 Central Ave @ Oak Street	7:06 AM	8:11 AM	9:21 AM	11:31 AM	1:31 PM	4:01 PM	5:31 PM	8:01 PM
204 Central Ave @ Wentworth Douglass Hospital	7:08 AM	8:13 AM	9:23 AM	11:33 AM	1:33 PM	4:03 PM	5:33 PM	8:03 PM
203 Arrive Shaws	7:11 AM	8:16 AM	9:26 AM	11:36 AM	1:36 PM	4:06 PM	5:36 PM	8:06 PM
Inbound								
203 Depart Shaws	7:11 AM	8:16 AM	9:26 AM	11:36 AM	1:36 PM	4:06 PM	5:36 PM	8:06 PM
205 Central Ave @ Abbott Street	7:13 AM	8:18 AM	9:28 AM	11:38 AM	1:38 PM	4:08 PM	5:38 PM	8:08 PM
206 Central Ave @ Ash Street	7:14 AM	8:19 AM	9:29 AM	11:39 AM	1:39 PM	4:09 PM	5:39 PM	8:09 PM
208 Central Ave @ Hough St [U-Haul]	7:14 AM	8:19 AM	9:29 AM	11:39 AM	1:39 PM	4:09 PM	5:39 PM	8:09 PM
213 Chestnut Street @ Carswell Auto	7:16 AM	8:21 AM	9:31 AM	11:41 AM	1:41 PM	4:11 PM	5:41 PM	8:11 PM
214 Dover Transportation Center	7:17 AM	8:22 AM	9:32 AM	11:42 AM	1:42 PM	4:12 PM	5:42 PM	8:12 PM
212 Chestnut Street @ Riverview Apartments	7:19 AM	8:24 AM	9:34 AM	11:44 AM	1:44 PM	4:14 PM	5:44 PM	8:14 PM
202 Central Ave @ Dover City Hall	7:21 AM	8:26 AM	9:36 AM	11:46 AM	1:46 PM	4:16 PM	5:46 PM	8:16 PM
233 Silver Street @ Atkinson Street	7:23 AM	8:28 AM	9:38 AM	11:48 AM	1:48 PM	4:18 PM	5:48 PM	8:18 PM
234 Silver Street @ Lexington Street	7:23 AM	8:28 AM	9:38 AM	11:48 AM	1:48 PM	4:18 PM	5:48 PM	8:18 PM
220 Rte 155 @ Littleworth Road	7:25 AM	8:30 AM	9:40 AM	11:50 AM	1:50 PM	4:20 PM	5:50 PM	8:20 PM
240 Rte 155 @ White Cliff Apartments	7:26 AM	8:31 AM	9:41 AM	11:51 AM	1:51 PM	4:21 PM	5:51 PM	8:21 PM
235 Rte 155 @ Irving Gas Station	7:27 AM	8:32 AM	9:42 AM	11:52 AM	1:52 PM	4:22 PM	5:52 PM	8:22 PM
215 Rte 155 @ Knox Marsh Apartments	7:28 AM	8:33 AM	9:43 AM	11:53 AM	1:53 PM	4:23 PM	5:53 PM	8:23 PM
807 Rte 155 @ Land Care Associates	7:28 AM	8:33 AM	9:43 AM	11:53 AM	1:53 PM	4:23 PM	5:53 PM	8:23 PM
805 Rte 155 @ Pudding Hill Road	7:28 AM	8:33 AM	9:43 AM	11:53 AM	1:53 PM	4:23 PM	5:53 PM	8:23 PM
801 191 Madbury Road	7:30 AM	8:35 AM	9:45 AM	11:55 AM	1:55 PM	4:25 PM	5:55 PM	8:25 PM
111 Madbury Road @ Rte 4	7:31 AM	8:36 AM	9:46 AM	11:56 AM	1:56 PM	4:26 PM	5:56 PM	8:26 PM
147 Madbury Road @ Lundy Lane	7:32 AM	8:37 AM	9:47 AM	11:57 AM	1:57 PM	4:27 PM	5:57 PM	8:27 PM
113 Madbury Road @ Edgewood Road	7:33 AM	8:38 AM	9:48 AM	11:58 AM	1:58 PM	4:28 PM	5:58 PM	8:28 PM
114 Madbury Road @ Durham Public Library	7:35 AM	8:40 AM	9:50 AM	12:00 PM	2:00 PM	4:30 PM	6:00 PM	8:30 PM
116 ARRIVE Garrison Ave @ Sawyer Hall	7:36 AM	8:41 AM	9:51 AM	12:01 PM	2:01 PM	4:31 PM	6:01 PM	8:31 PM
105 ARRIVE Holloway Commons Main Street	7:37 AM	8:42 AM	9:52 AM	12:02 PM	2:02 PM	4:32 PM	6:02 PM	8:32 PM
1001 ARRIVE UNH McConnell Hall	7:39 AM	8:44 AM	9:54 AM	12:04 PM	2:04 PM	4:34 PM	6:04 PM	8:34 PM

These times are approximate. Please be at the bus stop 5 minutes before the scheduled time.

Route 3A Weekend

Dover 3A

UNH/Durham to Dover via Route 108 /

Dover to UNH/Durham via Route 155

Saturday - Sunday

Stop ID # & Location	Run 1	Run 2	Run 3
Outbound			
101 DEPART UNH McCONNELL HALL	9:05 AM	2:05 PM	6:35 PM
102 DEPART UNH KINGSBURY HALL	9:07 AM	2:07 PM	6:37 PM
103 DEPART UNH HEWITT HALL	9:07 AM	2:07 PM	6:37 PM
104 DEPART MAIN STREET @ UNH THOMPSON HALL	9:10 AM	2:10 PM	6:40 PM
106 DEPART MAIN STREET @ UNH HETZEL HALL	9:12 AM	2:12 PM	6:42 PM
107 Rte 108 @ Old Landing Road	9:14 AM	2:14 PM	6:44 PM
109 Rte 108 @ Old Piscataqua Road	9:14 AM	2:14 PM	6:44 PM
144 Rte 108 @ Stone Quarry Drive	9:14 AM	2:14 PM	6:44 PM
808 Rte 108 @ Little Tree Education	9:18 AM	2:18 PM	6:48 PM
241 Rte 108 @ Arrow Brook Road	9:19 AM	2:19 PM	6:49 PM
243 Rte 108 @ Mast Road	9:19 AM	2:19 PM	6:49 PM
223 Rte 108 @ Adelle Drive	9:20 AM	2:20 PM	6:50 PM
224 Rte 108 @ Dover Veterinary Hospital	9:21 AM	2:21 PM	6:51 PM
225 Rte 108 @ Charles St [Sullivan Tire]	9:23 AM	2:23 PM	6:53 PM
226 Locust Street @ CVS Pharmacy	9:24 AM	2:24 PM	6:54 PM
221 180 Locust Street	9:24 AM	2:24 PM	6:54 PM
227 Locust Street @ Dover City Hall	9:26 AM	2:26 PM	6:56 PM
239 Main Street @ Janetos	9:28 AM	2:28 PM	6:58 PM
209 Central Ave @ New York Street	9:29 AM	2:29 PM	6:59 PM
207 Central Ave @ Tasker Funeral Home	9:30 AM	2:30 PM	7:00 PM
210 Central Ave @ Oak Street	9:31 AM	2:31 PM	7:01 PM
204 Central Ave @ Wentworth Douglass Hospital	9:33 AM	2:33 PM	7:03 PM
203 Arrive Shaws	9:36 AM	2:36 PM	7:06 PM
Inbound			
203 Depart Shaws	9:36 AM	2:36 PM	7:06 PM
205 Central Ave @ Abbott Street	9:38 AM	2:38 PM	7:08 PM
206 Central Ave @ Ash Street	9:39 AM	2:39 PM	7:09 PM
208 Central Ave @ Hough St [U-Haul]	9:39 AM	2:39 PM	7:09 PM
213 Chestnut Street @ Carswell Auto	9:41 AM	2:41 PM	7:11 PM
214 Dover Transportation Center	9:42 AM	2:42 PM	7:12 PM
212 Chestnut Street @ Riverview Apartments	9:44 AM	2:44 PM	7:14 PM
202 Central Ave @ Dover City Hall	9:46 AM	2:46 PM	7:16 PM
233 Silver Street @ Atkinson Street	9:48 AM	2:48 PM	7:18 PM
234 Silver Street @ Lexington Street	9:48 AM	2:48 PM	7:18 PM
220 Rte 155 @ Littleworth Road	9:50 AM	2:50 PM	7:20 PM
240 Rte 155 @ White Cliff Apartments	9:51 AM	2:51 PM	7:21 PM
235 Rte 155 @ Irving Gas Station	9:52 AM	2:52 PM	7:22 PM
215 Rte 155 @ Knox Marsh Apartments	9:53 AM	2:53 PM	7:23 PM
807 Rte 155 @ Land Care Associates	9:53 AM	2:53 PM	7:23 PM
805 Rte 155 @ Pudding Hill Road	9:53 AM	2:53 PM	7:23 PM
801 191 Madbury Road	9:55 AM	2:55 PM	7:25 PM
111 Madbury Road @ Rte 4	9:56 AM	2:56 PM	7:26 PM
147 Madbury Road @ Lundy Lane	9:57 AM	2:57 PM	7:27 PM
113 Madbury Road @ Edgewood Road	9:58 AM	2:58 PM	7:28 PM
114 Madbury Road @ Durham Public Library	10:00 AM	3:00 PM	7:30 PM
116 ARRIVE Garrison Ave @ Sawyer Hall	10:01 AM	3:01 PM	7:31 PM
105 ARRIVE Holloway Commons Main Street	10:02 AM	3:02 PM	7:32 PM
1001 ARRIVE UNH McConnell Hall	10:04 AM	3:04 PM	7:34 PM

These times are approximate. Please be at the bus stop 5 minutes before the scheduled time.

There is no weekend service during periods of "Reduced Service"

Reduced Service

Route 3A Weekday

Dover 3A

UNH/Durham to Dover via Route 108 /
Dover to UNH/Durham via Route 155

Reduced Service Monday - Friday

Stop ID # & Location	Run 1	Run 2	Run 3
Outbound			
101 DEPART UNH McCONNELL HALL	10:05 AM	12:05 PM	6:05 PM
102 DEPART UNH KINGSBURY HALL	10:07 AM	12:07 PM	6:07 PM
103 DEPART UNH HEWITT HALL	10:07 AM	12:07 PM	6:07 PM
104 DEPART MAIN STREET @ UNH THOMPSON HALL	10:10 AM	12:10 PM	6:10 PM
106 DEPART MAIN STREET @ UNH HETZEL HALL	10:12 AM	12:12 PM	6:12 PM
107 Rte 108 @ Old Landing Road	10:14 AM	12:14 PM	6:14 PM
109 Rte 108 @ Old Piscataqua Road	10:14 AM	12:14 PM	6:14 PM
144 Rte 108 @ Stone Quarry Drive	10:14 AM	12:14 PM	6:14 PM
808 Rte 108 @ Little Tree Education	10:18 AM	12:18 PM	6:18 PM
241 Rte 108 @ Arrow Brook Road	10:19 AM	12:19 PM	6:19 PM
243 Rte 108 @ Mast Road	10:19 AM	12:19 PM	6:19 PM
223 Rte 108 @ Adelle Drive	10:20 AM	12:20 PM	6:20 PM
224 Rte 108 @ Dover Veterinary Hospital	10:21 AM	12:21 PM	6:21 PM
225 Rte 108 @ Charles St [Sullivan Tire]	10:23 AM	12:23 PM	6:23 PM
226 Locust Street @ CVS Pharmacy	10:24 AM	12:24 PM	6:24 PM
221 180 Locust Street	10:24 AM	12:24 PM	6:24 PM
227 Locust Street @ Dover City Hall	10:26 AM	12:26 PM	6:26 PM
239 Main Street @ Janetos	10:28 AM	12:28 PM	6:28 PM
209 Central Ave @ New York Street	10:29 AM	12:29 PM	6:29 PM
207 Central Ave @ Tasker Funeral Home	10:30 AM	12:30 PM	6:30 PM
210 Central Ave @ Oak Street	10:31 AM	12:31 PM	6:31 PM
204 Central Ave @ Wentworth Douglass Hospital	10:33 AM	12:33 PM	6:33 PM
203 Arrive Shaws	10:36 AM	12:36 PM	6:36 PM
Inbound			
203 Depart Shaws	10:36 AM	12:36 PM	6:36 PM
205 Central Ave @ Abbott Street	10:38 AM	12:38 PM	6:38 PM
206 Central Ave @ Ash Street	10:39 AM	12:39 PM	6:39 PM
208 Central Ave @ Hough St [U-Haul]	10:39 AM	12:39 PM	6:39 PM
213 Chestnut Street @ Carswell Auto	10:41 AM	12:41 PM	6:41 PM
214 Dover Transportation Center	10:42 AM	12:42 PM	6:42 PM
212 Chestnut Street @ Riverview Apartments	10:44 AM	12:44 PM	6:44 PM
202 Central Ave @ Dover City Hall	10:46 AM	12:46 PM	6:46 PM
233 Silver Street @ Atkinson Street	10:48 AM	12:48 PM	6:48 PM
234 Silver Street @ Lexington Street	10:48 AM	12:48 PM	6:48 PM
220 Rte 155 @ Littleworth Road	10:50 AM	12:50 PM	6:50 PM
240 Rte 155 @ White Cliff Apartments	10:51 AM	12:51 PM	6:51 PM
235 Rte 155 @ Irving Gas Station	10:52 AM	12:52 PM	6:52 PM
215 Rte 155 @ Knox Marsh Apartments	10:53 AM	12:53 PM	6:53 PM
807 Rte 155 @ Land Care Associates	10:53 AM	12:53 PM	6:53 PM
805 Rte 155 @ Pudding Hill Road	10:53 AM	12:53 PM	6:53 PM
801 191 Madbury Road	10:55 AM	12:55 PM	6:55 PM
111 Madbury Road @ Rte 4	10:56 AM	12:56 PM	6:56 PM
147 Madbury Road @ Lundy Lane	10:57 AM	12:57 PM	6:57 PM
113 Madbury Road @ Edgewood Road	10:58 AM	12:58 PM	6:58 PM
114 Madbury Road @ Durham Public Library	11:00 AM	1:00 PM	7:00 PM
116 ARRIVE Garrison Ave @ Sawyer Hall	11:01 AM	1:01 PM	7:01 PM
105 ARRIVE Holloway Commons Main Street	11:02 AM	1:02 PM	7:02 PM
1001 ARRIVE UNH McConnell Hall	11:04 AM	1:04 PM	7:04 PM

These times are approximate. Please be at the bus stop
5 minutes before the scheduled time.

Route 3B Weekday

Dover 3B

UNH/Durham to Dover via Route 155 / Dover to UNH/Durham via Route 108

Monday - Friday

Stop ID # & Location	Run 1	Run 2	Run 3	Run 4	Run 5	Run 6	Run 7	Run 8
Outbound								
101 DEPART UNH McCONNELL HALL	6:40 AM	7:45 AM	10:05 AM	12:05 PM	2:05 PM	4:35 PM	6:05 PM	9:35 PM
102 DEPART UNH KINGSBURY HALL	6:42 AM	7:47 AM	10:07 AM	12:07 PM	2:07 PM	4:37 PM	6:07 PM	9:37 PM
103 DEPART UNH HEWITT HALL	6:42 AM	7:47 AM	10:07 AM	12:07 PM	2:07 PM	4:37 PM	6:07 PM	9:37 PM
104 DEPART MAIN STREET @ UNH THOMPSON HALL	6:45 AM	7:50 AM	10:10 AM	12:10 PM	2:10 PM	4:40 PM	6:10 PM	9:40 PM
106 DEPART MAIN STREET @ UNH HETZEL HALL	6:47 AM	7:52 AM	10:12 AM	12:12 PM	2:12 PM	4:42 PM	6:12 PM	9:42 PM
117 Madbury Road @ Woodman Road	6:48 AM	7:53 AM	10:13 AM	12:13 PM	2:13 PM	4:43 PM	6:13 PM	9:43 PM
115 30 Madbury Road	6:48 AM	7:53 AM	10:13 AM	12:13 PM	2:13 PM	4:43 PM	6:13 PM	9:43 PM
118 Madbury Road @ Bagdad Woods	6:49 AM	7:54 AM	10:14 AM	12:14 PM	2:14 PM	4:44 PM	6:14 PM	9:44 PM
182 Madbury Road @ Davis Court Apartments	6:49 AM	7:54 AM	10:14 AM	12:14 PM	2:14 PM	4:44 PM	6:14 PM	9:44 PM
112 90 Madbury Road	6:49 AM	7:54 AM	10:14 AM	12:14 PM	2:14 PM	4:44 PM	6:14 PM	9:44 PM
146 Madbury Road @ Emerson Road	6:49 AM	7:54 AM	10:14 AM	12:14 PM	2:14 PM	4:44 PM	6:14 PM	9:44 PM
110 Madbury Road @ Pendexter Road	6:51 AM	7:56 AM	10:16 AM	12:16 PM	2:16 PM	4:46 PM	6:16 PM	9:46 PM
802 Madbury Road @ Rte 155	6:54 AM	7:59 AM	10:19 AM	12:19 PM	2:19 PM	4:49 PM	6:19 PM	9:49 PM
804 Rte 155 @ Garlands Garage	6:55 AM	8:00 AM	10:20 AM	12:20 PM	2:20 PM	4:50 PM	6:20 PM	9:50 PM
806 Rte 155 @ 280 Knox Marsh Road	6:56 AM	8:01 AM	10:21 AM	12:21 PM	2:21 PM	4:51 PM	6:21 PM	9:51 PM
216 Rte 155 @ Olde Madbury Lane Apartments	6:56 AM	8:01 AM	10:21 AM	12:21 PM	2:21 PM	4:51 PM	6:21 PM	9:51 PM
217 Rte 155 @ Lilac Garden Apartments	6:57 AM	8:02 AM	10:22 AM	12:22 PM	2:22 PM	4:52 PM	6:22 PM	9:52 PM
218 Rte 155 @ Westgate Apartments	6:58 AM	8:03 AM	10:23 AM	12:23 PM	2:23 PM	4:53 PM	6:23 PM	9:53 PM
219 Rte 155 @ Trestle Way	6:59 AM	8:04 AM	10:24 AM	12:24 PM	2:24 PM	4:54 PM	6:24 PM	9:54 PM
236 116 Silver Street	7:00 AM	8:05 AM	10:25 AM	12:25 PM	2:25 PM	4:55 PM	6:25 PM	9:55 PM
237 Silver Street @ Elm Street	7:00 AM	8:05 AM	10:25 AM	12:25 PM	2:25 PM	4:55 PM	6:25 PM	9:55 PM
227 Locust Street @ Dover City Hall	7:02 AM	8:07 AM	10:27 AM	12:27 PM	2:27 PM	4:57 PM	6:27 PM	9:57 PM
239 Main Street @ Janetos	7:05 AM	8:10 AM	10:30 AM	12:30 PM	2:30 PM	5:00 PM	6:30 PM	10:00 PM
209 Central Ave @ New York Street	7:06 AM	8:11 AM	10:31 AM	12:31 PM	2:31 PM	5:01 PM	6:31 PM	10:01 PM
207 Central Ave @ Tasker Funeral Home	7:06 AM	8:11 AM	10:31 AM	12:31 PM	2:31 PM	5:01 PM	6:31 PM	10:01 PM
210 Central Ave @ Oak Street	7:07 AM	8:12 AM	10:32 AM	12:32 PM	2:32 PM	5:02 PM	6:32 PM	10:02 PM
204 Central Ave @ Wentworth Douglass Hospital	7:08 AM	8:13 AM	10:33 AM	12:33 PM	2:33 PM	5:03 PM	6:33 PM	10:03 PM
203 Arrive Shaws	7:11 AM	8:16 AM	10:36 AM	12:36 PM	2:36 PM	5:06 PM	6:36 PM	10:06 PM
Inbound								
203 Depart Shaws	7:11 AM	8:16 AM	10:36 AM	12:36 PM	2:36 PM	5:06 PM	6:36 PM	10:06 PM
205 Central Ave @ Abbott Street	7:13 AM	8:18 AM	10:38 AM	12:38 PM	2:38 PM	5:08 PM	6:38 PM	10:08 PM
206 Central Ave @ Ash Street	7:14 AM	8:19 AM	10:39 AM	12:39 PM	2:39 PM	5:09 PM	6:39 PM	10:09 PM
208 Central Ave @ Hough Street [U-Haul]	7:15 AM	8:20 AM	10:40 AM	12:40 PM	2:40 PM	5:10 PM	6:40 PM	10:10 PM
213 Chestnut Street @ Carswell Auto	7:16 AM	8:21 AM	10:41 AM	12:41 PM	2:41 PM	5:11 PM	6:41 PM	10:11 PM
214 Dover Transportation Center	7:17 AM	8:22 AM	10:42 AM	12:42 PM	2:42 PM	5:12 PM	6:42 PM	10:12 PM
212 Chestnut Street @ Riverview Apartments	7:19 AM	8:24 AM	10:44 AM	12:44 PM	2:44 PM	5:14 PM	6:44 PM	10:14 PM
202 Central Ave @ Dover City Hall	7:21 AM	8:26 AM	10:46 AM	12:46 PM	2:46 PM	5:16 PM	6:46 PM	10:16 PM
222 Locust Street @ Spring Street	7:23 AM	8:28 AM	10:48 AM	12:48 PM	2:48 PM	5:18 PM	6:48 PM	10:18 PM
228 Locust Street @ Dover Children's Home	7:23 AM	8:28 AM	10:48 AM	12:48 PM	2:48 PM	5:18 PM	6:48 PM	10:18 PM
229 Central Ave @ Rutland Street	7:24 AM	8:29 AM	10:49 AM	12:49 PM	2:49 PM	5:19 PM	6:49 PM	10:19 PM
230 Rte 108 @ Dover High School	7:26 AM	8:31 AM	10:51 AM	12:51 PM	2:51 PM	5:21 PM	6:51 PM	10:21 PM
231 Rte 108 @ Bellamy Road	7:26 AM	8:31 AM	10:51 AM	12:51 PM	2:51 PM	5:21 PM	6:51 PM	10:21 PM
232 Rte 108 @ Grapevine Drive	7:26 AM	8:31 AM	10:51 AM	12:51 PM	2:51 PM	5:21 PM	6:51 PM	10:21 PM
242 Rte 108 @ Farmwood Village	7:27 AM	8:32 AM	10:52 AM	12:52 PM	2:52 PM	5:22 PM	6:52 PM	10:22 PM
809 Rte 108 @ Freshet Road	7:27 AM	8:32 AM	10:52 AM	12:52 PM	2:52 PM	5:22 PM	6:52 PM	10:22 PM
145 Rte 108 @ Canney Road	7:29 AM	8:34 AM	10:54 AM	12:54 PM	2:54 PM	5:24 PM	6:54 PM	10:24 PM
119 Rte 108 @ The Pines Inn (#47)	7:30 AM	8:35 AM	10:55 AM	12:55 PM	2:55 PM	5:25 PM	6:55 PM	10:25 PM
108 Rte 108 @ Young Drive	7:31 AM	8:36 AM	10:56 AM	12:56 PM	2:56 PM	5:26 PM	6:56 PM	10:26 PM
117 Madbury Road @ Woodman Road	7:33 AM	8:38 AM	10:58 AM	12:58 PM	2:58 PM	5:28 PM	6:58 PM	10:28 PM
116 ARRIVE Garrison Ave @ Sawyer Hall	7:34 AM	8:39 AM	10:59 AM	12:59 PM	2:59 PM	5:29 PM	6:59 PM	10:29 PM
105 ARRIVE Holloway Commons Main Street	7:36 AM	8:41 AM	11:01 AM	1:01 PM	3:01 PM	5:31 PM	7:01 PM	10:31 PM
1001 ARRIVE UNH McConnell Hall	7:38 AM	8:43 AM	11:03 AM	1:03 PM	3:03 PM	5:33 PM	7:03 PM	10:33 PM

These times are approximate. Please be at the bus stop 5 minutes before the scheduled time.

Route 3B Weekend

Dover 3B

UNH/Durham to Dover via Route 155 /
Dover to UNH/Durham via Route 108

Saturday - Sunday

Stop ID # & Location	Run 1	Run 2	Run 3	Run 4
Outbound				
101 DEPART UNH McCONNELL HALL	10:35 AM	12:05 PM	4:05 PM	8:05 PM
102 DEPART UNH KINGSBURY HALL	10:37 AM	12:07 PM	4:07 PM	8:07 PM
103 DEPART UNH HEWITT HALL	10:37 AM	12:07 PM	4:07 PM	8:07 PM
104 DEPART MAIN STREET @ UNH THOMPSON HALL	10:40 AM	12:10 PM	4:10 PM	8:10 PM
106 DEPART MAIN STREET @ UNH HETZEL HALL	10:42 AM	12:12 PM	4:12 PM	8:12 PM
117 Madbury Road @ Woodman Road	10:43 AM	12:13 PM	4:13 PM	8:13 PM
115 30 Madbury Road	10:43 AM	12:13 PM	4:13 PM	8:13 PM
118 Madbury Road @ Bagdad Woods	10:44 AM	12:14 PM	4:14 PM	8:14 PM
182 Madbury Road @ Davis Court Apartments	10:44 AM	12:14 PM	4:14 PM	8:14 PM
112 90 Madbury Road	10:44 AM	12:14 PM	4:14 PM	8:14 PM
146 Madbury Road @ Emerson Road	10:44 AM	12:14 PM	4:14 PM	8:14 PM
110 Madbury Road @ Pendexter Rd	10:46 AM	12:16 PM	4:16 PM	8:16 PM
802 Madbury Road @ Rte 155	10:49 AM	12:19 PM	4:19 PM	8:19 PM
804 Rte 155 @ Garlands Garage	10:50 AM	12:20 PM	4:20 PM	8:20 PM
806 Rte 155 @ 280 Knox Marsh Road	10:51 AM	12:21 PM	4:21 PM	8:21 PM
216 Rte 155 @ Olde Madbury Lane Apartments	10:51 AM	12:21 PM	4:21 PM	8:21 PM
217 Rte 155 @ Lilac Garden Apartments	10:52 AM	12:22 PM	4:22 PM	8:22 PM
218 Rte 155 @ Westgate Apartments	10:53 AM	12:23 PM	4:23 PM	8:23 PM
219 Rte 155 @ Trestle Way	10:54 AM	12:24 PM	4:24 PM	8:24 PM
236 116 Silver Street	10:55 AM	12:25 PM	4:25 PM	8:25 PM
237 Silver Street @ Elm Street	10:55 AM	12:25 PM	4:25 PM	8:25 PM
227 Locust Street @ Dover City Hall	10:57 AM	12:27 PM	4:27 PM	8:27 PM
239 Main Street @ Janetos	11:00 AM	12:30 PM	4:30 PM	8:30 PM
209 Central Ave @ New York Street	11:01 AM	12:31 PM	4:31 PM	8:31 PM
207 Central Ave @ Tasker Funeral Home	11:01 AM	12:31 PM	4:31 PM	8:31 PM
210 Central Ave @ Oak Street	11:02 AM	12:32 PM	4:32 PM	8:32 PM
204 Central Ave @ Wentworth Douglass Hospital	11:03 AM	12:33 PM	4:33 PM	8:33 PM
203 Arrive Shaws	11:06 AM	12:36 PM	4:36 PM	8:36 PM
Inbound				
203 Depart Shaws	11:06 AM	12:36 PM	4:36 PM	8:36 PM
205 Central Ave @ Abbott Street	11:08 AM	12:38 PM	4:38 PM	8:38 PM
206 Central Ave @ Ash Street	11:09 AM	12:39 PM	4:39 PM	8:39 PM
208 Central Ave @ Hough Street [U-Haul]	11:10 AM	12:40 PM	4:40 PM	8:40 PM
213 Chestnut Street @ Carswell Auto	11:11 AM	12:41 PM	4:41 PM	8:41 PM
214 Dover Transportation Center	11:12 AM	12:42 PM	4:42 PM	8:42 PM
212 Chestnut Street @ Riverview Apartments	11:14 AM	12:44 PM	4:44 PM	8:44 PM
202 Central Ave @ Dover City Hall	11:16 AM	12:46 PM	4:46 PM	8:46 PM
222 Locust Street @ Spring Street	11:18 AM	12:48 PM	4:48 PM	8:48 PM
228 Locust Street @ Dover Children's Home	11:18 AM	12:48 PM	4:48 PM	8:48 PM
229 Central Ave @ Rutland Street	11:19 AM	12:49 PM	4:49 PM	8:49 PM
230 Rte 108 @ Dover High School	11:21 AM	12:51 PM	4:51 PM	8:51 PM
231 Rte 108 @ Bellamy Road	11:21 AM	12:51 PM	4:51 PM	8:51 PM
232 Rte 108 @ Grapevine Drive	11:21 AM	12:51 PM	4:51 PM	8:51 PM
242 Rte 108 @ Farmwood Village	11:22 AM	12:52 PM	4:52 PM	8:52 PM
809 Rte 108 @ Freshet Road	11:22 AM	12:52 PM	4:52 PM	8:52 PM
145 Rte 108 @ Canney Road	11:24 AM	12:54 PM	4:54 PM	8:54 PM
119 Rte 108 @ The Pines Inn (#47)	11:25 AM	12:55 PM	4:55 PM	8:55 PM
108 Rte 108 @ Young Drive	11:26 AM	12:56 PM	4:56 PM	8:56 PM
117 Madbury Road @ Woodman Road	11:28 AM	12:58 PM	4:58 PM	8:58 PM
116 ARRIVE Garrison Ave @ Sawyer Hall	11:29 AM	12:59 PM	4:59 PM	8:59 PM
105 ARRIVE Holloway Commons Main Street	11:31 AM	1:01 PM	5:01 PM	9:01 PM
1001 ARRIVE UNH McConnell Hall	11:33 AM	1:03 PM	5:03 PM	9:03 PM

These times are approximate. Please be at the bus stop 5 minutes before the scheduled time.

There is no weekend service during periods of "Reduced Service"

Reduced Service

Route 3B Weekday		Dover 3B	
UNH/Durham to Dover via Route 155 /		Reduced Service	
Dover to UNH/Durham via Route 108		Monday - Friday	
Stop ID # & Location	Run 1	Run 2	
Outbound			
101 DEPART UNH McCONNELL HALL	6:40 AM	4:35 PM	
102 DEPART UNH KINGSBURY HALL	6:42 AM	4:37 PM	
103 DEPART UNH HEWITT HALL	6:42 AM	4:37 PM	
104 DEPART MAIN STREET @ UNH THOMPSON HALL	6:45 AM	4:40 PM	
106 DEPART MAIN STREET @ UNH HETZEL HALL	6:47 AM	4:42 PM	
117 Madbury Road @ Woodman Road	6:48 AM	4:43 PM	
115 30 Madbury Road	6:48 AM	4:43 PM	
118 Madbury Road @ Bagdad Woods	6:49 AM	4:44 PM	
182 Madbury Road @ Davis Court Apartments	6:49 AM	4:44 PM	
112 90 Madbury Road	6:49 AM	4:44 PM	
146 Madbury Road @ Emerson Road	6:49 AM	4:44 PM	
110 Madbury Road @ Pendexter Road	6:51 AM	4:46 PM	
802 Madbury Road @ Rte 155	6:54 AM	4:49 PM	
804 Rte 155 @ Garlands Garage	6:55 AM	4:50 PM	
806 Rte 155 @ 280 Knox Marsh Road	6:56 AM	4:51 PM	
216 Rte 155 @ Olde Madbury Lane Apartments	6:56 AM	4:51 PM	
217 Rte 155 @ Lilac Garden Apartments	6:57 AM	4:52 PM	
218 Rte 155 @ Westgate Apartments	6:58 AM	4:53 PM	
219 Rte 155 @ Trestle Way	6:59 AM	4:54 PM	
236 116 Silver Street	7:00 AM	4:55 PM	
237 Silver Street @ Elm Street	7:00 AM	4:55 PM	
227 Locust Street @ Dover City Hall	7:02 AM	4:57 PM	
239 Main Street @ Janetos	7:05 AM	5:00 PM	
209 Central Ave @ New York Street	7:06 AM	5:01 PM	
207 Central Ave @ Tasker Funeral Home	7:06 AM	5:01 PM	
210 Central Ave @ Oak Street	7:07 AM	5:02 PM	
204 Central Ave @ Wentworth Douglass Hospital	7:08 AM	5:03 PM	
203 Arrive Shaws	7:11 AM	5:06 PM	
Inbound			
203 Depart Shaws	7:11 AM	5:06 PM	
205 Central Ave @ Abbott Street	7:13 AM	5:08 PM	
206 Central Ave @ Ash Street	7:14 AM	5:09 PM	
208 Central Ave @ Hough Street [U-Haul]	7:15 AM	5:10 PM	
213 Chestnut Street @ Carswell Auto	7:16 AM	5:11 PM	
214 Dover Transportation Center	7:17 AM	5:12 PM	
212 Chestnut Street @ Riverview Apartments	7:19 AM	5:14 PM	
202 Central Ave @ Dover City Hall	7:21 AM	5:16 PM	
222 Locust Street @ Spring Street	7:23 AM	5:18 PM	
228 Locust Street @ Dover Children's Home	7:23 AM	5:18 PM	
229 Central Ave @ Rutland Street	7:24 AM	5:19 PM	
230 Rte 108 @ Dover High School	7:26 AM	5:21 PM	
231 Rte 108 @ Bellamy Road	7:26 AM	5:21 PM	
232 Rte 108 @ Grapevine Drive	7:26 AM	5:21 PM	
242 Rte 108 @ Farmwood Village	7:27 AM	5:22 PM	
809 Rte 108 @ Freshet Road	7:27 AM	5:22 PM	
145 Rte 108 @ Canney Road	7:29 AM	5:24 PM	
119 Rte 108 @ The Pines Inn (#47)	7:30 AM	5:25 PM	
108 Rte 108 @ Young Drive	7:31 AM	5:26 PM	
117 Madbury Road @ Woodman Road	7:33 AM	5:28 PM	
116 ARRIVE Garrison Ave @ Sawyer Hall	7:34 AM	5:29 PM	
105 ARRIVE Holloway Commons Main Street	7:36 AM	5:31 PM	
1001 ARRIVE UNH McConnell Hall	7:38 AM	5:33 PM	
These times are approximate. Please be at the bus stop 5 minutes before the scheduled time.			

APPENDIX B:
Trip-Generation Calculations

ITE TRIP GENERATION WORKSHEET

(10th Edition, Updated 2017)

LANDUSE: Assisted Living
 LANDUSE CODE: 254
 SETTING/LOCATION: General Urban/Suburban
 JOB NAME:
 JOB NUMBER:

Independent Variable --- Beds

BEDS (#): 24

WEEKDAY

RATES:		# Studies	R^2	Total Trip Ends			Independent Variable Range			Directional Distribution	
				Average	Low	High	Average	Low	High	Enter	Exit
	DAILY	2	--	2.60	1.86	4.14	135	87	183	50%	50%
	AM PEAK OF GENERATOR										
	PM PEAK OF GENERATOR										
	AM PEAK (ADJACENT ST)	9	--	0.19	0.08	0.43	123	83	183	63%	37%
	PM PEAK (ADJACENT ST)	9	--	0.26	0.11	0.53	123	83	183	38%	62%

TRIPS:

	BY AVERAGE			BY REGRESSION		
	Total	Enter	Exit	Total	Enter	Exit
DAILY	62	31	31	NA	NA	NA
AM PEAK OF GENERATOR						
PM PEAK OF GENERATOR						
AM PEAK (ADJACENT ST)	5	3	2	NA	NA	NA
PM PEAK (ADJACENT ST)	6	2	4	NA	NA	NA

SATURDAY

RATES:		# Studies	R^2	Total Trip Ends			Independent Variable Range			Directional Distribution	
				Average	Low	High	Average	Low	High	Enter	Exit
	DAILY	1	--	2.93	2.93	2.93	87	87	87	50%	50%
	PEAK OF GENERATOR	6	--	0.27	0.17	0.44	111	83	154	46%	54%

TRIPS:

	BY AVERAGE			BY REGRESSION		
	Total	Enter	Exit	Total	Enter	Exit
DAILY	70	35	35	NA	NA	NA
PEAK OF GENERATOR	6	3	3	NA	NA	NA

APPENDIX C:
NHDOT Traffic Volumes

NHDOT Transportation Data Management System

Central Avenue South of Glenwood Avenue
Location ID: 82125037

Central Avenue North of Chestnut Street
Location ID: 82125051

Start Time	9/13/2016, Tue		
	Northbound	Southbound	Total
12:00 AM	54	39	93
1:00 AM	29	23	52
2:00 AM	27	21	48
3:00 AM	21	23	44
4:00 AM	45	72	117
5:00 AM	107	184	291
6:00 AM	273	546	819
7:00 AM	544	816	1,360
8:00 AM	625	694	1,319
9:00 AM	601	651	1,252
10:00 AM	711	710	1,421
11:00 AM	828	732	1,560
12:00 PM	817	813	1,630
1:00 PM	796	753	1,549
2:00 PM	822	774	1,596
3:00 PM	989	823	1,812
4:00 PM	978	825	1,803
5:00 PM	853	822	1,675
6:00 PM	788	782	1,570
7:00 PM	696	616	1,312
8:00 PM	404	413	817
9:00 PM	269	236	505
10:00 PM	179	163	342
11:00 PM	105	95	200
Total	11,561	11,626	23,187

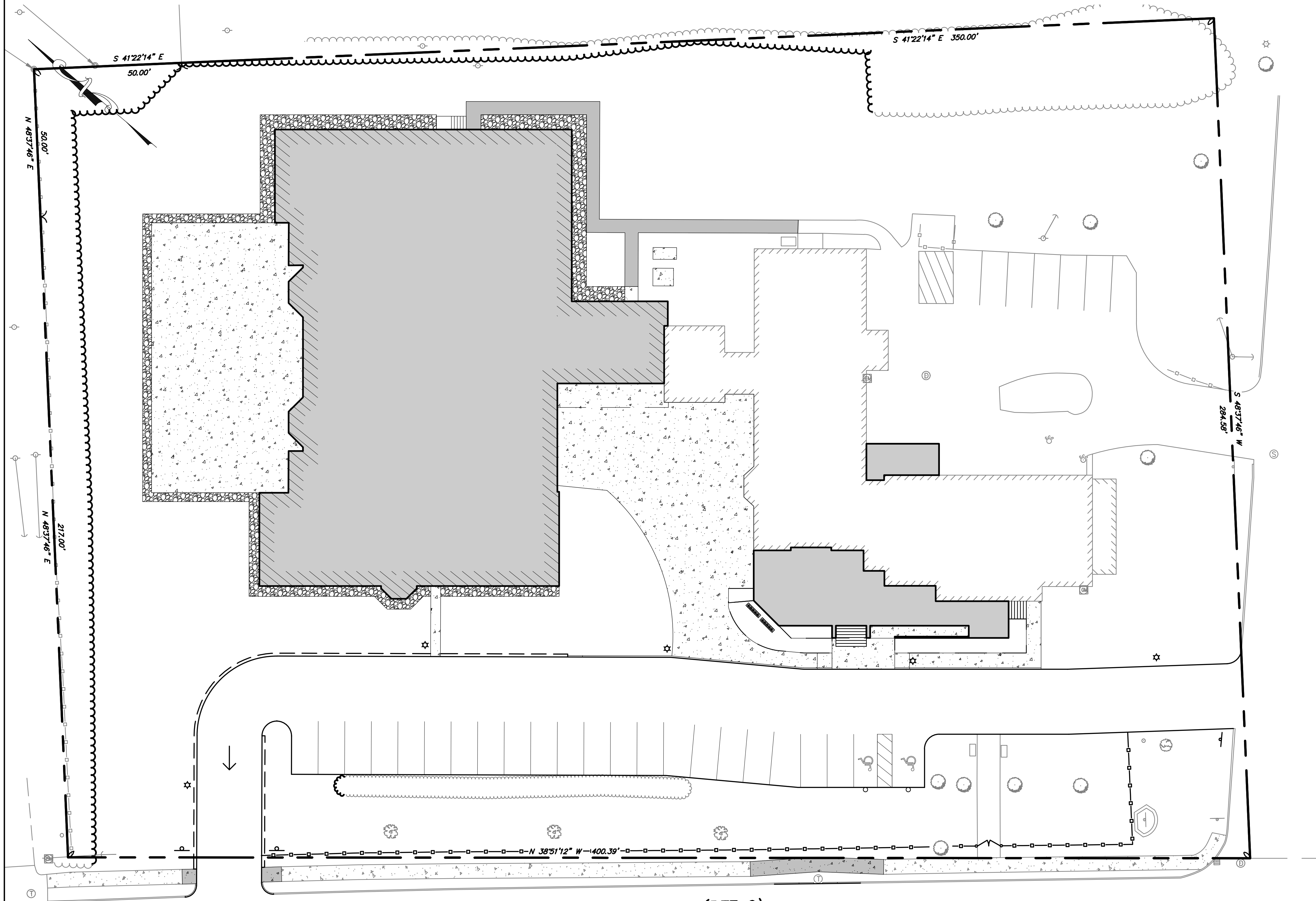
AM Peak (12-10 AM)	7-8 AM = 1,360 vph --> 60% SB
Midday Peak (10 AM-3 PM)	12-1 PM = 1,630 vph --> 50%
PM Peak (3 PM-12 AM)	3-4 PM = 1,812 vph --> 54% NB

Start Time	9/13/2016, Tue		
	Northbound	Southbound	Total
12:00 AM	46	35	81
1:00 AM	21	17	38
2:00 AM	21	23	44
3:00 AM	10	18	28
4:00 AM	32	61	93
5:00 AM	58	117	175
6:00 AM	236	262	498
7:00 AM	385	374	759
8:00 AM	378	397	775
9:00 AM	411	368	779
10:00 AM	421	355	776
11:00 AM	501	349	850
12:00 PM	486	372	858
1:00 PM	493	348	841
2:00 PM	465	365	830
3:00 PM	456	461	917
4:00 PM	472	515	987
5:00 PM	552	434	986
6:00 PM	541	388	929
7:00 PM	449	327	776
8:00 PM	273	192	465
9:00 PM	214	123	337
10:00 PM	146	83	229
11:00 PM	70	45	115
Total	7,137	6,029	13,166

AM Peak (12-10 AM)	9-10 AM = 779 vph --> 53% NB
Midday Peak (10 AM-3 PM)	12-1 PM = 858 vph --> 57% NB
PM Peak (3 PM-12 AM)	4-5 PM = 987 vph --> 52% SB

WENTWORTH HOME MEMORY CARE ADDITION

795 CENTRAL AVENUE CONCORD, NEW HAMPSHIRE



CENTRAL AVENUE (RTE 9)
APPROX. 40' WIDTH

PROJECT DESCRIPTION:

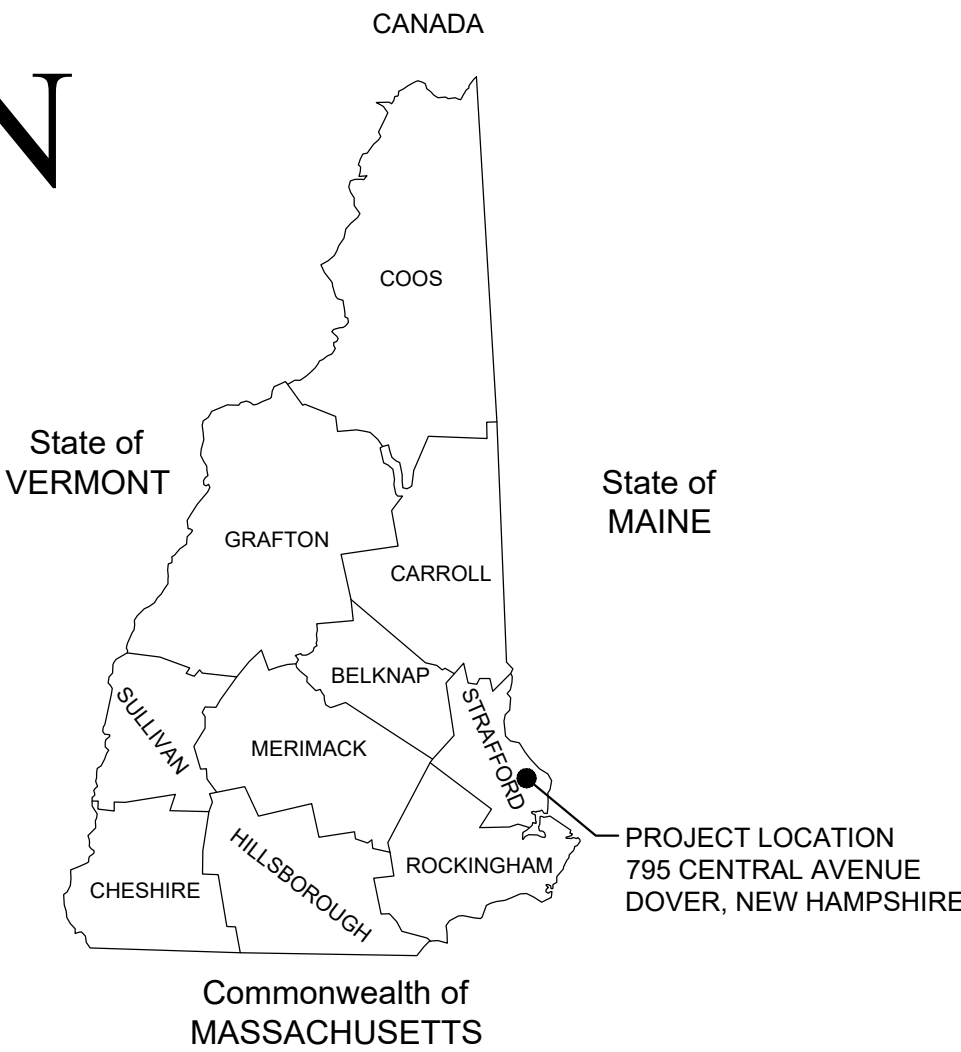
CONSTRUCTION OF A 17,540 SF MEMORY CARE ADDITION TO THE WENTWORTH HOME ASSISTED LIVING FACILITY LOCATED AT 795 CENTRAL AVENUE. BUILDING IMPROVEMENTS ALSO INCLUDE A NEW ACCESSIBLE FRONT PORCH AND STAIR TOWER BEHIND THE BUILDING. THE PROJECT INCLUDES A NEW FRONT COURTYARD FOR VISITORS AND RESIDENTS AS WELL AS A SECURE MEMORY CARE GARDEN. SITE IMPROVEMENTS INCLUDE SIDEWALKS, A REVISED PARKING LAYOUT, REVISED DRIVEWAY LOCATION, NEW UTILITY SERVICES, DRAINAGE CONTROLS AND LANDSCAPING.

SHEET INDEX

Sheet	Number	Title	Date Issued	Latest Revision
1	C0.1	COVER SHEET	08/12/2019	-
2	C0.2	NOTES & LEGEND	08/12/2019	-
3	S1.1	EXISTING CONDITIONS SURVEY PLAN	08/12/2019	-
4	NHP	NEIGHBORHOOD PLAN	08/12/2019	-
5	C1.1	DEMOLITION PLAN	08/12/2019	-
6	C1.2	SITE PLAN	08/12/2019	-
7	C1.3	GRADING & DRAINAGE PLAN	08/12/2019	-
8	C1.4	UTILITY PLAN	08/12/2019	-
9	L1.1	LANDSCAPING PLAN	08/12/2019	-
10	T1.1	LIGHTING PLAN	08/12/2019	-
11	A1.1	TURNING TEMPLATE	08/12/2019	-
12	A1.1	ARCHITECTURAL FLOOR PLANS AND ELEVATIONS	08/12/2019	-
13	C5.2	CONSTRUCTION DETAILS	08/12/2019	-
14	C5.2	CONSTRUCTION DETAILS	08/12/2019	-

ABUTTERS LIST

- 01 LOT NO. 1, MAP 37. WENTWORTH DOUGLASS HOSPITAL. 789 CENTRAL AVENUE DOVER, NH 03820
02 LOT NO. 2-A, MAP 37. PUBLIC SERVICE COMPANY OF NEW HAMPSHIRE. PO BOX 330 MANCHESTER, NH 03105
03 LOT NO. 2-B, MAP 37. WENTWORTH PROFESSIONAL OFFICE CONDOMINIUM ASSOCIATION. 801 CENTRAL AVENUE DOVER, NH 03820
04 LOT NO. 2, MAP 37. WENTWORTH PROFESSIONAL OFFICE CONDOMINIUM ASSOCIATION. 803 CENTRAL AVENUE DOVER, NH 03820
05 LOT NO. 3, MAP 37. JULIA CONCHAR. 18 JEWETT AVENUE SOUTH BERWICK, ME 03908
06 LOT NO. 5, MAP 37. CHRISTOPHER AND ELIZABETH BAILY MELNIK. 3 GILMAN STREET DOVER, NH 03820
07 LOT NO. 7, MAP 37. MICHAEL J MCCABE AND PATRICIA L STROGEN. 815 CENTRAL AVENUE DOVER, NH 03820
08 LOT NO. 26, MAP 37. WENTWORTH DOUGLASS HOSPITAL. 789 CENTRAL AVENUE DOVER, NH 03820
09 LOT NO. 26-A, MAP 37. WENTWORTH DOUGLASS HOSPITAL. 789 CENTRAL AVENUE DOVER, NH 03820
10 LOT NO. 27, MAP 37. WENTWORTH DOUGLASS HOSPITAL. 789 CENTRAL AVENUE DOVER, NH 03820
11 LOT NO. 28, MAP 37. WENTWORTH DOUGLASS HOSPITAL. 789 CENTRAL AVENUE DOVER, NH 03820
12 LOT NO. 29, MAP 37. BSG PROPERTY, LLC. 800 CENTRAL AVENUE DOVER, NH 03820
13 LOT NO. 30, MAP 37. CENTRAL AVENUE ACQUISITION COMPANY, LLC. 95 MARKET STREET MANCHESTER, NH 03101
14 LOT NO. 31, MAP 37. KONSTANTINOS AND PANAGIOTA SAKKAS. 160 CENTRAL AVENUE DOVER, NH 03820
15 LOT NO. 32, MAP 37. 806 CENTRAL AVENUE, LLC. 812 CENTRAL AVENUE DOVER, NH 03820
16 LOT NO. 54, MAP 37. RYAN AND ANASTASIA ROACH. 7 PAGE AVENUE DOVER, NH 03280
17 LOT NO. 55, MAP 37. KATHLEEN M BURT 2016 REVOCABLE TRUST. 5 PAGE AVENUE DOVER, NH 03820
18 LOT NO. 56-A, MAP 37. SHAWN D OLSTEN AND HAYLEY E PEAVEY. 3 PAGE AVENUE DOVER, NH 03820
19 LOT NO. 56, MAP 37. BENJAMIN AND ANISSA GREGORY. 1 PAGE AVENUE DOVER, NH 03820
20 LOT NO. 57, MAP 37. DANIEL AND ALYSSA BRIGANDI. 1 LOWELL AVENUE DOVER, NH 03820



LOCATION MAP

Wilcox & Barton INC.
CIVIL • ENVIRONMENTAL • GEOTECHNICAL
2 CAPITAL PLAZA, SUITE 305
CONCORD, NH 03301
603-369-4190
www.wilcoxandbarton.com

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Owner
**Wentworth Home
795 Central Avenue
Dover, NH 03820**

Site
**Wentworth Home
Memory Care Addition
795 Central Avenue
Dover, NH 03820**

**Planning File #: P19-59
Lot No. 1-A, Map 37**

Cover Sheet

Scale	N.T.S.	Date	08/12/2019
Drafted By	ARC	Checked By	RSR
Project Mgr	ERL	Project Number	LBPA0001

ENGINEER: ERIN R. LAMBERT
NH P.E. #11057

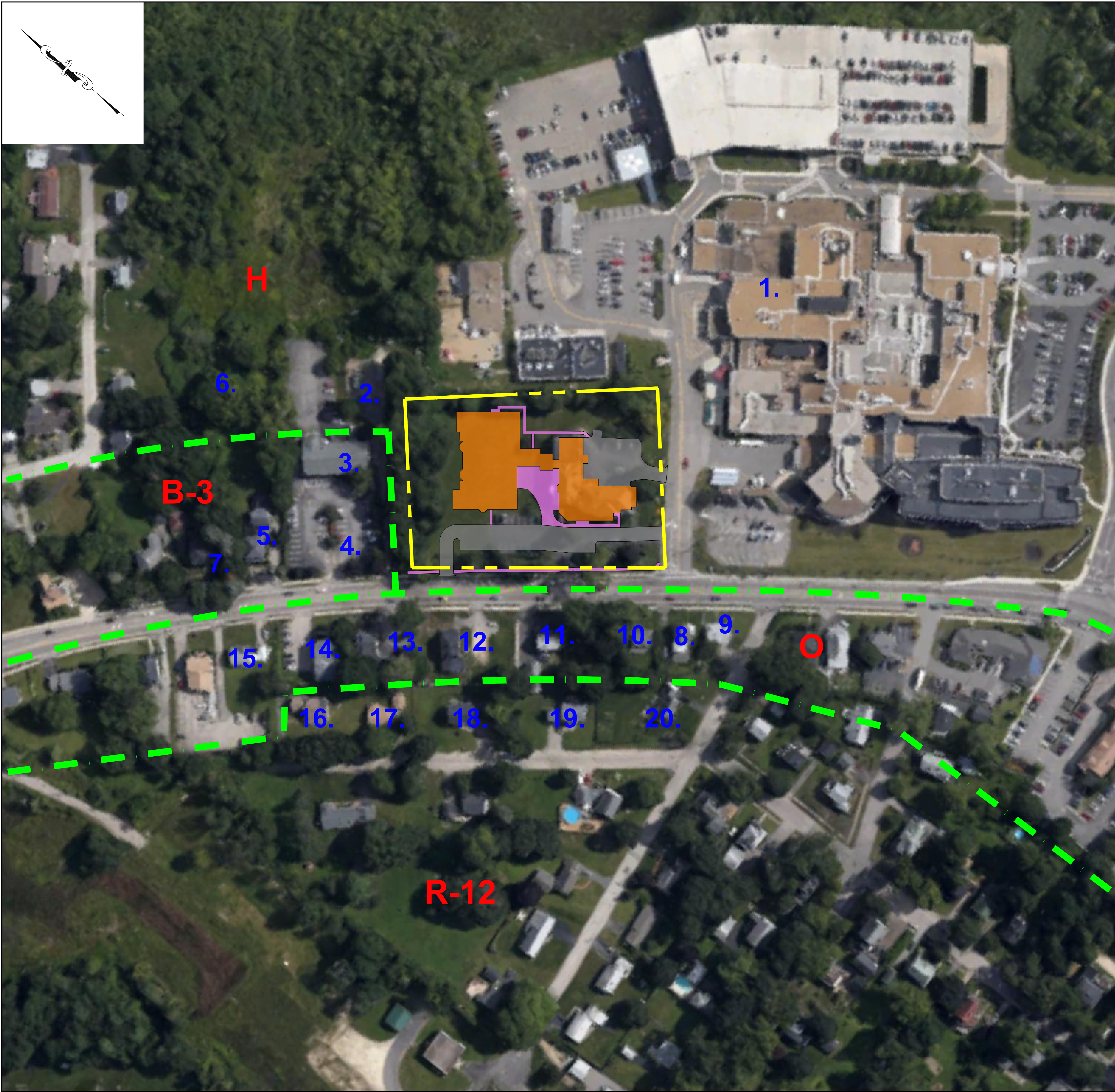
Sheet Number
C0.1
1 of 14

Planning Board Approval
APPROVED BY CITY OF DOVER, NH PLANNING BOARD

ON _____ DATE _____

DOVER PLANNING BOARD CHAIR _____ DATE _____

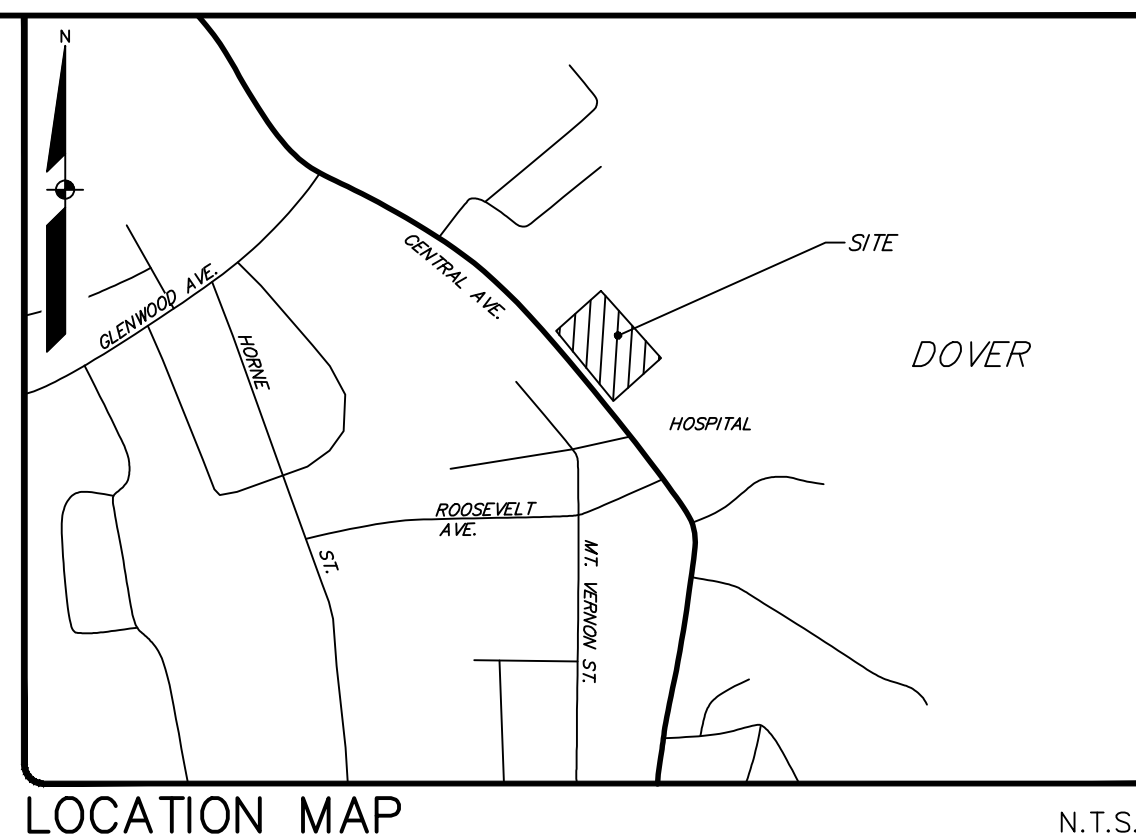
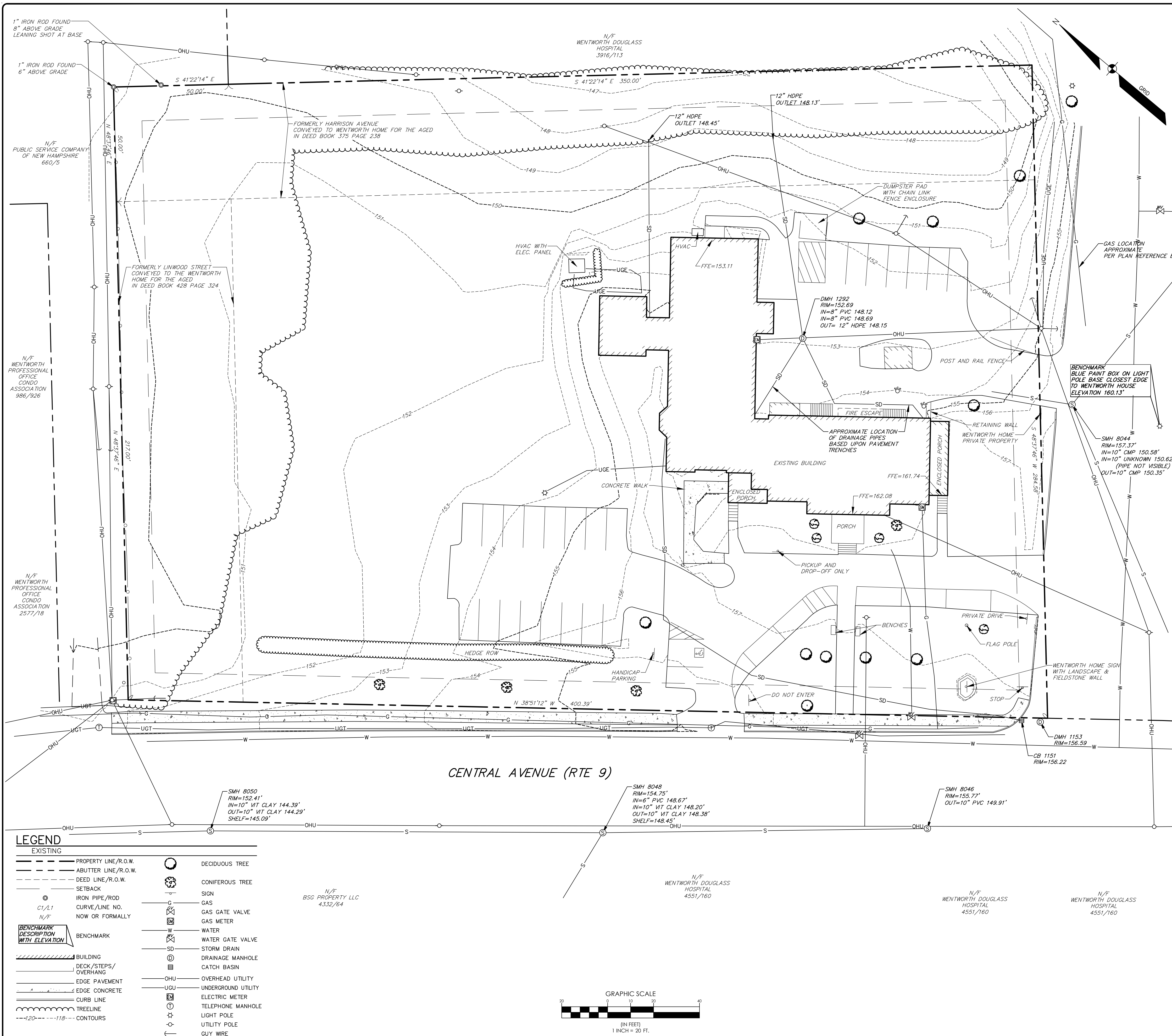
CITY PLANNER _____ DATE _____



of 13

GRAPHIC SCALE

(IN FEET)
1 inch = 20 ft.



GENERAL NOTES:

1. THE RECORD OWNER OF THE PARCEL IS WENTWORTH HOME FOR THE AGED BY DATE DATED JANUARY 18, 1928 AND RECORDED AT THE STAFFORD COUNTY REGISTRY OF DEEDS IN BOOK 428, PAGE 324.
2. THE PROPERTY IS SHOWN AS LOT 1A ON THE CITY OF DOVER TAX MAP 37, AND IS LOCATED IN THE "HOSPITAL "H" DISTRICT.
3. SPACE AND BULK CRITERIA FOR THE HOSPITAL DISTRICT ARE AS FOLLOWS:

MINIMUM LOT SIZE:	10,000 S.F.
MINIMUM STREET FRONTAGE:	100 FEET
MINIMUM FRONT YARD:	12 FEET
MINIMUM SIDE YARD:	10 FEET
MINIMUM REAR YARD:	PRINCIPAL BUILDING 15 FEET OUTBUILDING/ACCESSORY USE 10 FEET
MAXIMUM BUILDING HEIGHT:	PRINCIPAL (65 FEET) OUTBUILDING (40 FEET)
MAXIMUM LOT COVERAGE:	50%
4. SEE ORDINANCE FOR MORE PARTICULAR INFORMATION.
5. TOTAL AREA OF PARCEL IS APPROXIMATELY 2.53 ACRES.
6. BOUNDARY AND TOPOGRAPHIC INFORMATION SHOWN HEREON IS BASED UPON FIELD WORK PERFORMED BY SEBAGO TECHNICS, INC. IN APRIL AND MAY OF, 2019.
7. PLAN REFERENCES:
 - A. EXISTING OVERALL SITE PLAN & ABUTTERS LIST, BY LEO A DALY (PROJECT NO. 001-07798-010), DATED APRIL 8, 2009, ON FILE AT THE CITY OF DOVER PLANNING OFFICE.
 - B. OVERALL SITE PLAN UTILITY FEATURES-NORTH, BY LEO A DALY (PROJECT NO. 001-07798-000), DATED APRIL 18, 2007, ON FILE AT THE CITY OF DOVER PLANNING OFFICE ON FILE AT THE CITY OF DOVER PLANNING OFFICE.
 - C. PARKING AREA EXPANSION SITE PLAN, WENTWORTH HOME, BY CIVIL WORKS, PROJECT 00150, DATED JUNE 5, 2001 ON FILE AT THE CITY OF DOVER PLANNING OFFICE.
 - D. PLAN OF LAND PREPARED FOR WENTWORTH DOUGLAS HOSPITAL BY McEANEY SURVEY ASSOCIATES, INC., FILE NO. 9/94-5981, DATED FEBRUARY 4, 1994, AND RECORDED AT THE STAFFORD COUNTY REGISTRY IN PLAN DRAWER 43 NUMBER 92A.
 - E. LAND FROM PETER ATHAS & CO CITY OF DOVER FOR NORTH DOVER SUBSTATION, P.S. 001 N.H., FILE NO. R-7756, DATED APRIL 16, 1958, AND RECORDED IN THE STAFFORD COUNTY REGISTRY IN POCKET 002 FOLDER 021 PLAN 35.
 - F. PLAN OF LOTS ON THE HALEY HOMESTEAD AT GARRISON HILL, BY S. S. JENKINS, DATED SEPTEMBER OF 1894, AND RECORDED IN THE STAFFORD COUNTY REGISTRY IN POCKET 006 FOLDER 002 PLAN 029.
8. PLAN ORIENTATION IS GRID NORTH. NEW HAMPSHIRE STATE PLANE COORDINATE SYSTEM NAD83, ELEVATIONS DEPICTED HEREON ARE NAVD88, BASED ON DUAL FREQUENCY GPS OBSERVATIONS.
9. UTILITY INFORMATION DEPICTED HEREON WITHIN THE LOCUS PROPERTY, UNLESS OTHERWISE NOTED, IS OF QUALITY LEVEL D PER AMERICAN SOCIETY OF CIVIL ENGINEERS (ASCE) STANDARD C/ASCE 38-02. UTILITIES ARE BASED UPON SURFACE FEATURES AND PAINT MARKS BY DIGSMAT OF MAINE AND GAS MARKS BY UNKNOWN. WATER LINES WITHIN ABUTTING RIGHT OF WAYS WERE PAINTED BY DIGSMAT OF MAINE, BUT OTHER UTILITIES WITHIN THE PROJECT AREA WERE NOT REQUESTED BY THE CLIENT AND HAVE NOT BEEN LOCATED. UTILITIES DEPICTED HEREON MAY NOT NECESSARILY REPRESENT ALL EXISTING UTILITIES. CONTRACTORS AND/OR DESIGNERS NEED TO CONTACT DIG-SAFE SYSTEMS, INC. (1-888-DIG-SAFE) AND FIELD VERIFY EXISTING UTILITY WITHIN THE PROJECT AREA PRIOR TO CONSTRUCTION AND/OR EXCAVATION.
10. THE LOCUS PROPERTY AS DEPICTED HEREON DOES NOT FALL WITHIN A SPECIAL FLOOD HAZARD AREA AS Delineated ON THE FLOOD INSURANCE RATE MAP FOR DOVER, NEW HAMPSHIRE, STAFFORD COUNTY, MAP NUMBER 33017C0310E, HAVING A MAP REVISION DATE OF SEPTEMBER 30, 2015. THE LOCUS FALLS WITHIN AN AREA DETERMINED TO BE OUTSIDE THE 0.2% ANNUAL CHANCE FLOODPLAIN, ZONE X.
11. A WETLAND INVESTIGATION WAS PERFORMED ON THIS PROJECT SITE IN APRIL OF 2019 BY SEBAGO TECHNICS, INC. AND NO WETLANDS WERE FOUND. THIS INVESTIGATION CONFORMS TO THE STANDARDS AND METHODS OUTLINED IN THE 1987 WETLANDS DELINEATION MANUAL AND NORMS FOR WETLANDS DETERMINEMENT AUTHORIZED AND PUBLISHED BY THE U.S. ARMY CORPS OF ENGINEERS.

DRAWN		CHECKED	
MAC		TSL/MWE	
B	MWE	7/13/19	ADDED SEWER INVERTS AND WATER LINES
A	MWE	5/24/19	RELEASED FOR CLIENT REVIEW
REV. BY:		DATE:	STATUS:
THIS PLAN SHALL NOT BE MODIFIED WITHOUT WRITTEN PERMISSION FROM SEBAGO TECHNICS, INC. ANY ALTERATIONS, AUTHORIZED OR OTHERWISE, SHALL BE AT THE USER'S SOLE RISK AND WITHOUT LIABILITY TO SEBAGO TECHNICS, INC.			

SEBAGO
T E C H N I C S
WWW.SEBAGOTECHNICS.COM
75 John Roberts Rd.
Suite 4A
South Portland, ME 04106
Tel. 207-200-2100

EXISTING CONDITIONS SURVEY PLAN

OF:
WENTWORTH HOUSE
 795 CENTRAL AVENUE
 DOVER, NEW HAMPSHIRE

FOR:
WILCOX & BARTON, INC.
 18 COMMONS DRIVE, UNIT 12B
 LONDONDERRY, NEW HAMPSHIRE 03053

PROJECT NO.	SCALE
19055	1" = 20'

SHEET 1 OF 1

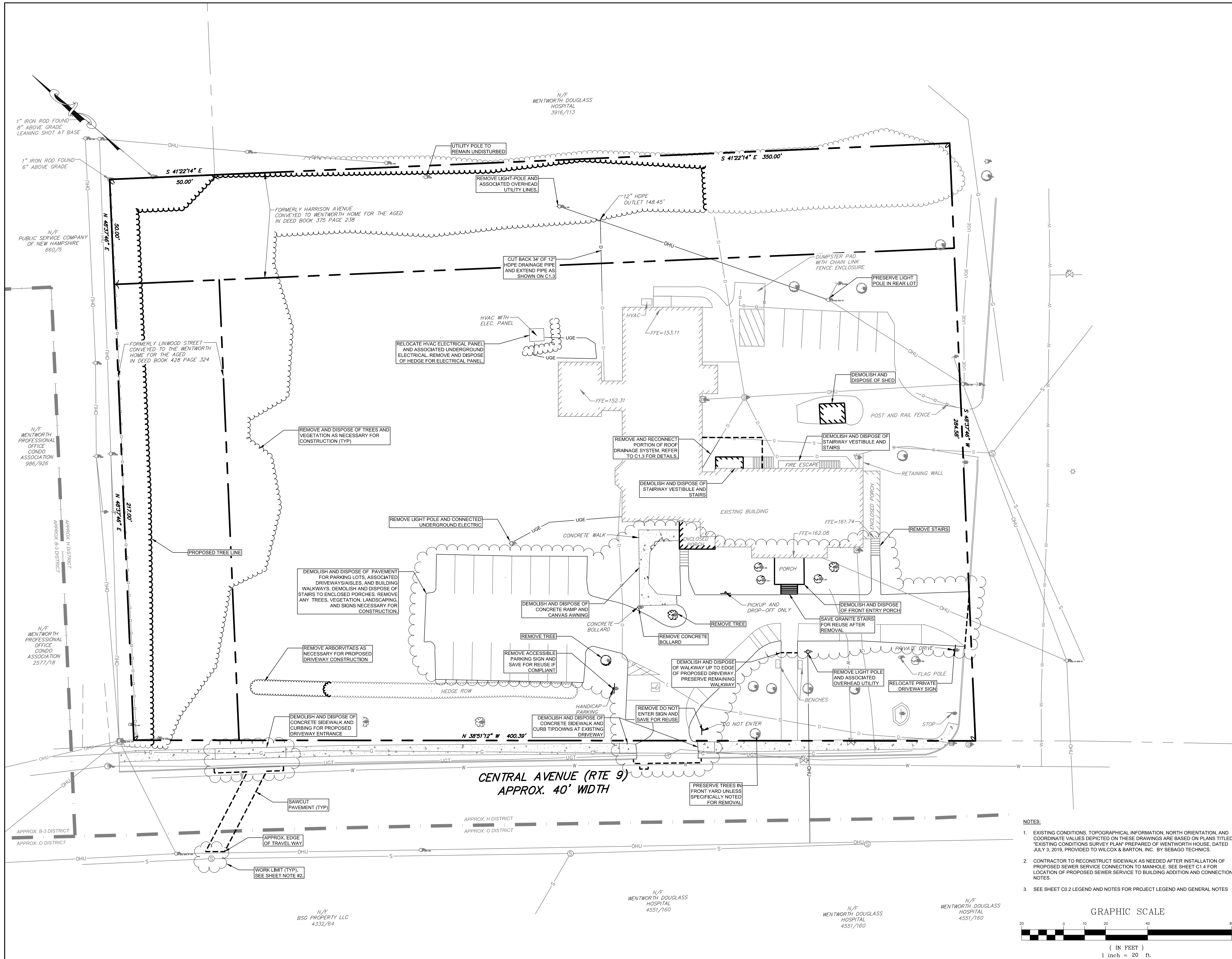
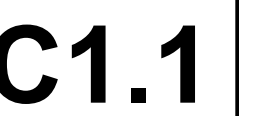
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PERMITTING NOT FOR CONSTRUCTION

Wentworth Home
795 Central Avenue
Dover, NH 03820

Planning File #: P19-59
Lot No. 1-A, Map 37

Scale 1" = 20'		Date 08/12/2019	
Drafted By ARC	Checked By RSR	Project Mgr ERL	Project Number LBPA0001



REVISION HISTORY
1.

ZONING AND PARKING ANALYSIS

CITY OF DOVER TAX ASSESSOR'S MAP: LOT NO. 1-A, MAP 37.
STRAFFORD COUNTY REGISTRY OF DEEDS BOOK 428, PAGE 324

ADDRESS: 795 CENTRAL AVENUE DOVER, NH

ZONING DISTRICT: HOSPITAL DISTRICT

AREA: 2.53 ACRES

MINIMUM LOT AREA
10,000 SF

PROVIDED
110,207 SF

MINIMUM LOT FRONTAGE
100 FT

PROVIDED
400 FT

MAXIMUM LOT COVERAGE
50%

PROVIDED
23%

MAXIMUM BUILDING HEIGHT
65 FT/40 FT (PRINCIPAL/OUTBUILDING)

PROVIDED
31 FT

BUILDING SETBACKS REQUIRED

	REQUIRED	PROVIDED
FRONT YARD	12 FT	74 FT
SIDE YARD	12 FT	39 FT
REAR YARD	15 FT	23 FT

	EXISTING	PROPOSED	TOTAL
IMPERVIOUS AREA (SF)	7,285 SF	17,540 SF	24,825 SF
BUILDING FOOTPRINT	19,420 SF		
PARKING		786 SF	
OTHER THAN BUILDING & PARKING			

REQUIRED PARKING SPACES
MEDICAL USE: 0.5 SPACE/UNIT AND 1 SPACE/EMPLOYEE ON MAXIMUM SHIFT

	EXISTING	PROPOSED
RESIDENTIAL UNITS		
EXISTING	18 ASSISTED LIVING UNITS	
PROPOSED	6 ASSISTED LIVING UNITS	18 MEMORY CARE UNITS
TOTAL		42 UNITS

EMPLOYEES		20 EMPLOYEES
EMPLOYEES ON MAXIMUM SHIFT		

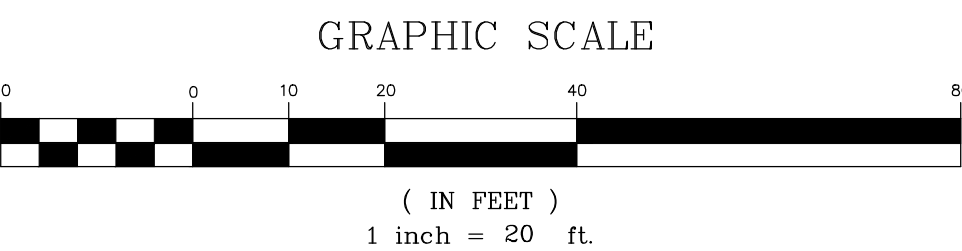
REQUIRED MAXIMUM = 42 UNITS X (0.5 SPACE/UNIT) + 20 EMPLOYEES X (1 SPACE/EMPLOYEE)
REQUIRED MAXIMUM = 41 SPACES

	REQUIRED	EXISTING	PROPOSED
TOTAL SPACES:	41 MAXIMUM	30	30
ACCESSIBLE SPACES:	2		2

NOTE: IF NECESSARY, OVERFLOW AND/OR ASSEMBLY PARKING IS PERMITTED THROUGH AN AGREEMENT WITH WENTWORTH DOUGLASS HOSPITAL AT LOT ACROSS PRIVATE DRIVEWAY ABUTTING EASTERN LOT LINE OF SITE.

NOTES:

- EXISTING CONDITIONS, TOPOGRAPHICAL INFORMATION, NORTH ORIENTATION, AND COORDINATE VALUES DEPICTED ON THESE DRAWINGS ARE BASED ON PLANS TITLED "EXISTING CONDITIONS SURVEY PLAN" PREPARED BY WENTWORTH HOUSE, DATED JULY 3, 2019, PROVIDED TO WILCOX & BARTON, INC. BY SEBAGO TECHNIQS.
- BUILDING FOOTPRINT REPRESENTS A FLOOR PLAN PROVIDED TO WILCOX & BARTON, INC. BY LAVILLE BRESINGER ARCHITECTS ON JUNE 17, 2019. REFER TO ARCHITECTURAL/STRUCTURAL PLANS FOR FOUNDATION AND BUILDING DIMENSIONS.
- FINISHED FLOOR ELEVATION AT ELEVATOR (FFE = 152.31) IS ASSUMED TO BE 9" BELOW FFE = 153.11 AT NORTHERN WING OF EXISTING BUILDING. CONTRACTOR TO VERIFY AT START OF CONSTRUCTION AND NOTIFY ENGINEER IMMEDIATELY IF ELEVATIONS ARE DIFFERENT.
- INSTALL NEW ROOF GUTTERS AND RECONNECT TO EXISTING DRAINAGE LINE AT EDGE OF BUILDING. SEE SHEET C1.3 FOR LOCATION OF DRAINAGE LINE AND CONNECTION NOTES. CONTRACTOR TO BE CAREFUL OF EXISTING SEWER LINE DURING CONSTRUCTION OF FOOTINGS. SEE SHEET C1.4 FOR LOCATION OF SEWER LINE.
- INSTALL MUTCD SIGN R7-8 ON CONCRETE BOLLARDS AND SIGN R7-8P ON BOLLARD FOR VAN SPACE. SEE SHEET C5.4 FOR DETAILS.
- SEE SHEET C0.2 LEGEND AND NOTES FOR PROJECT LEGEND AND GENERAL NOTES



Planning Board Approval
APPROVED BY CITY OF DOVER, NH PLANNING BOARD

ON _____ DATE _____

DOVER PLANNING BOARD CHAIR _____ DATE _____

CITY PLANNER _____ DATE _____

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NOT FOR CONSTRUCTION**

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Owner
Wentworth Home
795 Central Avenue
Dover, NH 03820

Site
Wentworth Home
Memory Care Addition
795 Central Avenue
Dover, NH 03820

Planning File #: P19-59
Lot No. 1-A, Map 37

Drawing Title

Site Plan

Scale	1" = 20'	Date	08/12/2019
Drafted By	ARC	Checked By	RSR
Project Mgr	ERL	Project Number	LBPA0001

Sheet Number

C1.2

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REVISION HISTORY

1.

Issued For

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Owner

**Wentworth Home
795 Central Avenue
Dover, NH 03820**

Site

**Wentworth Home
Memory Care Addition
795 Central Avenue
Dover, NH 03820**

**Planning File #: P19-59
Lot No. 1-A, Map 37**

Drawing Title

**Grading and Drainage
Plan**

Scale

1" = 20'

Date

08/12/2019

Drafted By

ARC

Checked By

RSR

Project Mgr

ERL

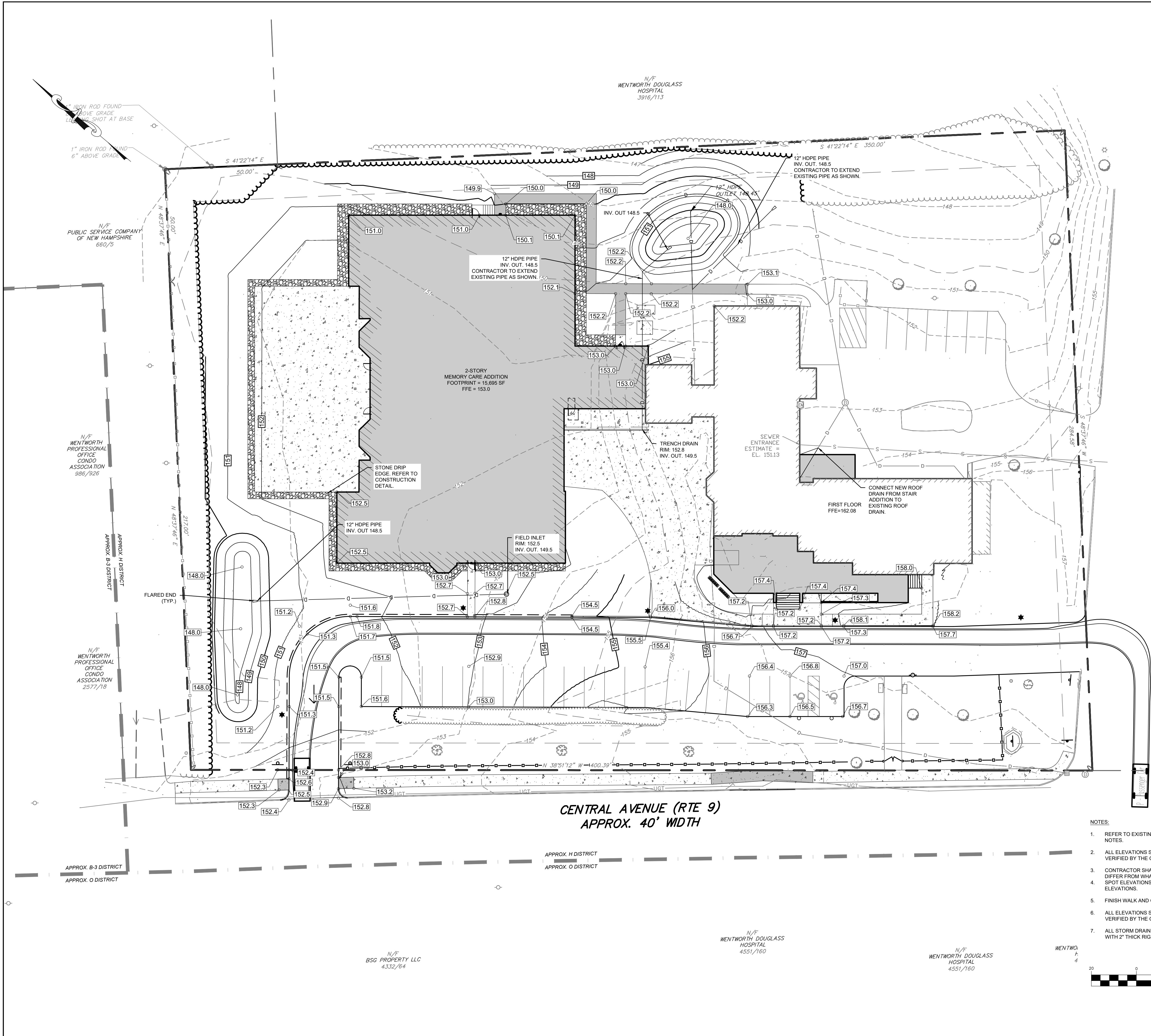
Project Number

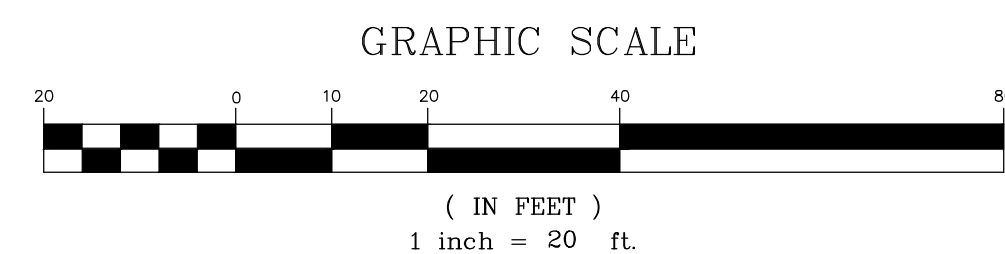
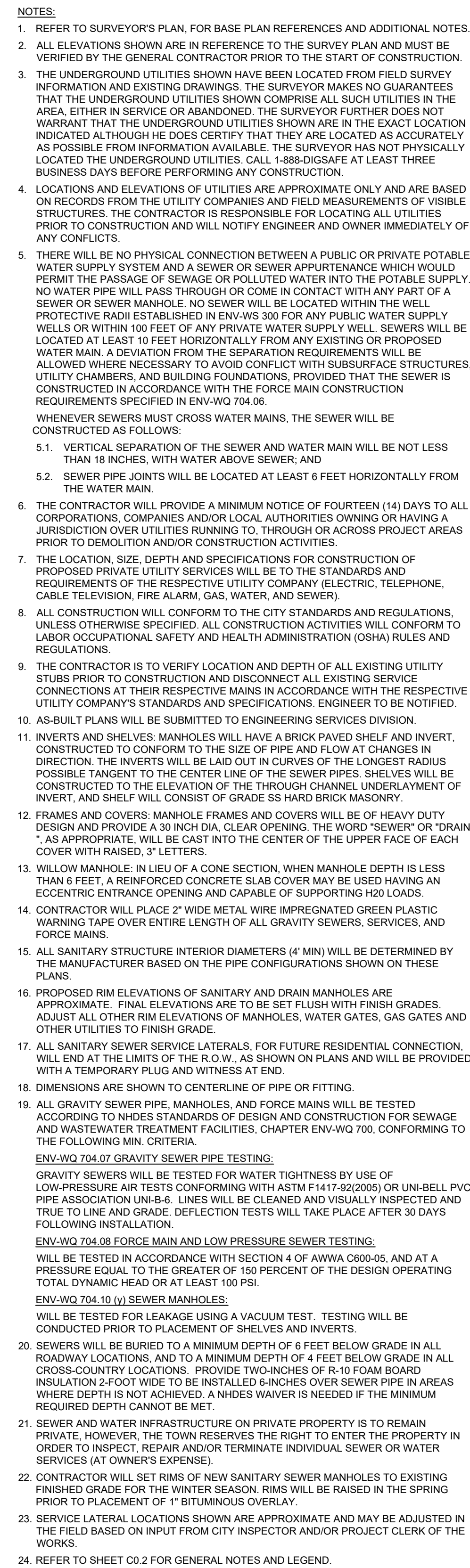
LBPA0001

Sheet Number

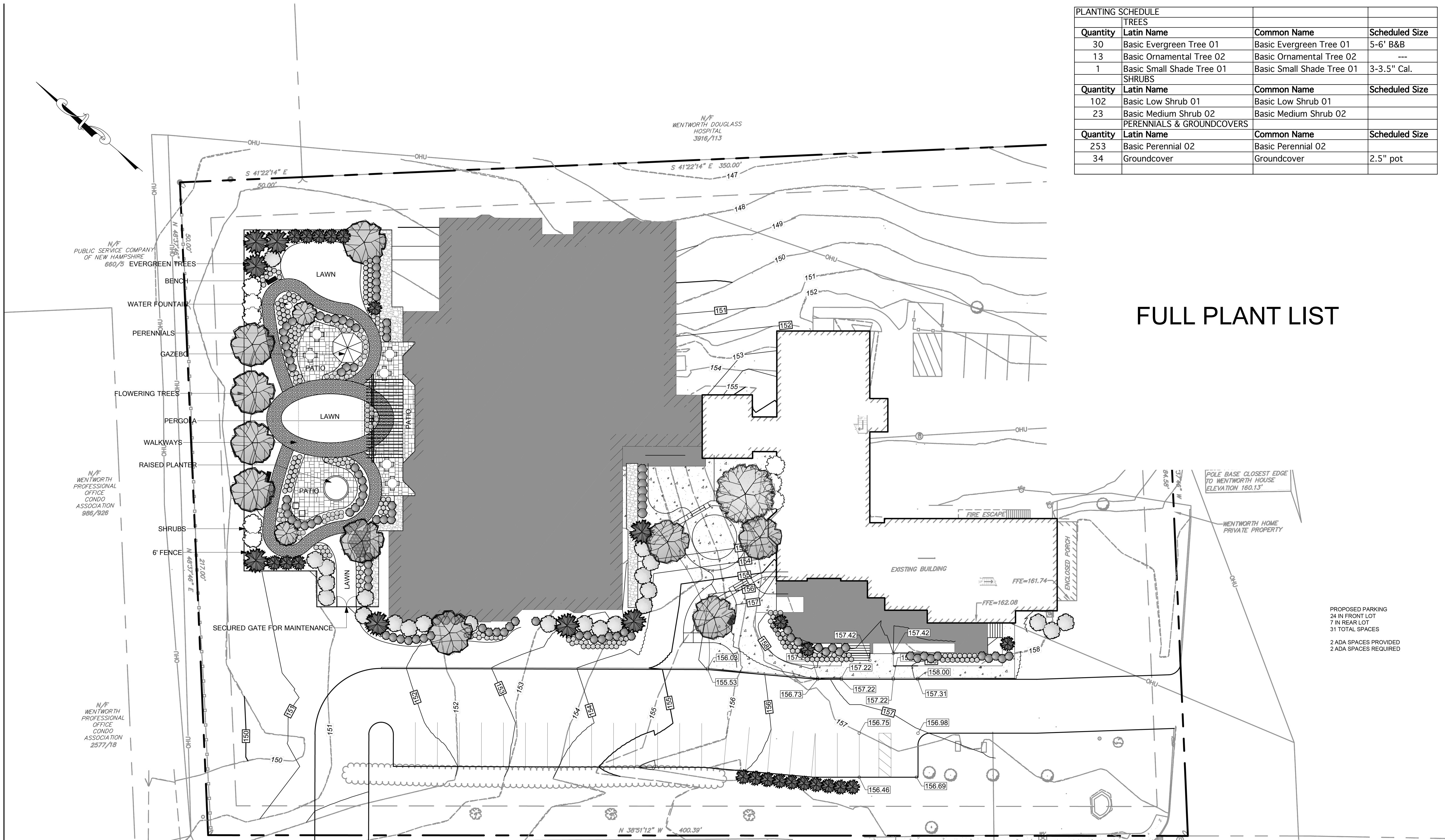
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REVISION HISTORY 1.			
PERMITTING NOT FOR CONSTRUCTION <i>ALL DOCUMENTS PREPARED BY WILCOX & BARTON, INC. ARE INSTRUMENTS OF SERVICE IN RESPECT OF THE PROJECT. THEY ARE NOT INTENDED OR REPRESENTED TO BE SUITABLE FOR REUSE BY OWNER OR OTHERS. ANY REUSE WITHOUT WRITTEN VERIFICATION OR ADAPTATION BY WILCOX & BARTON, INC. FOR THE SPECIFIC PURPOSE INTENDED WILL BE AT OWNER'S SOLE RISK AND WITHOUT LIABILITY OR LEGAL EXPOSURE TO WILCOX & BARTON, INC. OWNER SHALL INDEMNIFY AND HOLD HARMLESS WILCOX & BARTON, INC. FROM ALL CLAIMS, DAMAGES, LOSSES AND EXPENSES ARISING OUT OF OR RESULTING THEREFROM.</i>			
Issued For			
Wentworth Home 795 Central Avenue Dover, NH 03820			
Owner			
Wentworth Home Memory Care Addition 795 Central Avenue Dover, NH 03820			
Site			
Wentworth Home Memory Care Addition 795 Central Avenue Dover, NH 03820			
Planning File #: P19-59 Lot No. 1-A, Map 37			
Drawing Title			
Utility Plan			
Scale		Date	
1" = 20'		08/12/2019	
Drafted By		Checked By	
ARC		RSR	
Project Mgr		Project Number	
ERL		LBPA0001	
License No.		Sheet Number	
		C1.4	
Engineer		Date	
ENGINEER: ERIN R. LAMBERT N.H.C.E. # 11057		8 of 14	



PLANTING SCHEDULE			
TREES			
Quantity	Latin Name	Common Name	Scheduled Size
30	Basic Evergreen Tree 01	Basic Evergreen Tree 01	5-6' B&B
13	Basic Ornamental Tree 02	Basic Ornamental Tree 02	----
1	Basic Small Shade Tree 01	Basic Small Shade Tree 01	3-3.5" Cal.
SHRUBS			
Quantity	Latin Name	Common Name	Scheduled Size
102	Basic Low Shrub 01	Basic Low Shrub 01	
23	Basic Medium Shrub 02	Basic Medium Shrub 02	
PERENNIALS & GROUNDCOVERS			
Quantity	Latin Name	Common Name	Scheduled Size
253	Basic Perennial 02	Basic Perennial 02	
34	Groundcover	Groundcover	2.5" pot

FULL PLANT LIST

POLE BASE CLOSEST EDGE TO WENTWORTH HOUSE ELEVATION 160.13'

PROPOSED PARKING
24 IN FRONT LOT
7 IN REAR LOT
31 TOTAL SPACES

2 ADA SPACES PROVIDED
2 ADA SPACES REQUIRED

GENERAL NOTES:

- TOPOGRAPHY, AND EXISTING FEATURES FROM SURVEY BY SEBAGO TECHNICS ON 05/29/2019
- THIS DRAWING IS NOT INTENDED TO BE A BOUNDARY SURVEY
- CONTRACTOR SHALL CONTACT DIG-SAFE PRIOR TO ANY EXCAVATION

Planning Board Approval
PROVED BY CITY OF DOVER, NH PLANNING BOARD

DATE

OVER PLANNING BOARD CHAIR

DATE

ITY PLANNER

DATE

2 CAPITAL PLAZA, SUITE 305
CONCORD, NH 03301
603-369-4190
www.wilcoxandbarton.com

REVISION HISTORY
1

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Owner
Wentworth Home
795 Central Avenue
Dover, NH

Site
Memory Care Addition
795 Central Avenue
Dover, NH

Map/Block/Lot: 37/1/A-0

Drawing Title
Landscaping Plan

Scale

Date
###/###/20##

Drafted By
###

Checked By
###

Project Mgr
###

Project Number
###

Sheet Number
L1.1

of ##

TREE TO BE SET PLUMB, AFTER SETTLEMENT
NEVER CUT LEADER

DO NOT HEAVILY PRUNE TREE AT PLANTING PRUNE ONLY CROSS OVER LIMBS, CO-DOMINANT LEADERS, AND DAMAGED OR DEAD BRANCHES

REMOVE STRING AND BURLAP FROM ROOTBALL, CUT AND REMOVE WIRE BASKETS.

TRUNK FLARE AND TOP OF ROOTBALL SHOULD BE AT GRADE (TRUNK FLARE IS WHERE THE ROOTS BEGIN TO BRANCH FROM THE TRUNK)

STAKE TO BE 14" BELOW TREE PIT IN UNDISTURBED GROUND

NOTES:
1. STAKING AND STAKING TO BE DETERMINED IN THE FIELD BY THE LANDSCAPE ARCHITECT.
2. LOCAL FIELD CONDITIONS AS WELL AS PLANT CHARACTERISTICS WILL DETERMINE THE NECESSITY OF STAKING.
3. 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.
4. ONLY WRAP TREE TRUNKS AS REQUIRED BY LANDSCAPE ARCHITECT.
5. TREE SHALL BE SET PLUMB, AFTER SETTLEMENT.
6. LOAM FOR BACKFILLING SHALL BE AMENDED AS REQUIRED BY LANDSCAPE ARCHITECT.
7. 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.

DECIDUOUS TREE PLANTING DETAIL
Not to Scale

TREE TO BE SET PLUMB, AFTER SETTLEMENT

DO NOT HEAVILY PRUNE TREE AT PLANTING PRUNE ONLY CROSS OVER LIMBS, CO-DOMINANT LEADERS, AND DAMAGED OR DEAD BRANCHES

REMOVE STRING AND BURLAP FROM ROOTBALL, CUT AND REMOVE WIRE BASKETS.

TRUNK FLARE AND TOP OF ROOTBALL SHOULD BE AT GRADE (TRUNK FLARE IS WHERE THE ROOTS BEGIN TO BRANCH FROM THE TRUNK)

3" SHREDDED BARK MULCH, PULL MULCH BACK 4" FROM TRUNK

3X ROOTBALL DIAMETER MIN.

VARIES

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.

EVERGREEN PLANTING DETAIL
Not to Scale

SHRUB TO BE SET PLUMB, AFTER SETTLEMENT

TRUNK FLARE AND TOP OF ROOTBALL SHOULD BE AT GRADE (TRUNK FLARE IS WHERE THE ROOTS BEGIN TO BRANCH FROM THE TRUNK)

3" SHREDDED BARK MULCH, PULL MULCH BACK 4" FROM TRUNK

REMOVE STRING AND BURLAP FROM ROOTBALL, CUT AND REMOVE WIRE BASKETS.

TAMP BACKFILL SOIL AROUND ROOTBALL FIRMLY, TO MINIMIZE ROOTBALL SHIFT.

NOTES:
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 ENOUGH INTO THE CITY'S SIDEWALK.

SHRUB PLANTING DETAIL
Not to Scale

12" LOAM BACKFILL (CONTINUOUS THROUGHOUT BED AREA)

3" DEEP SHREDDED BARK MULCH

GROUNDCOVER BED PLANTING

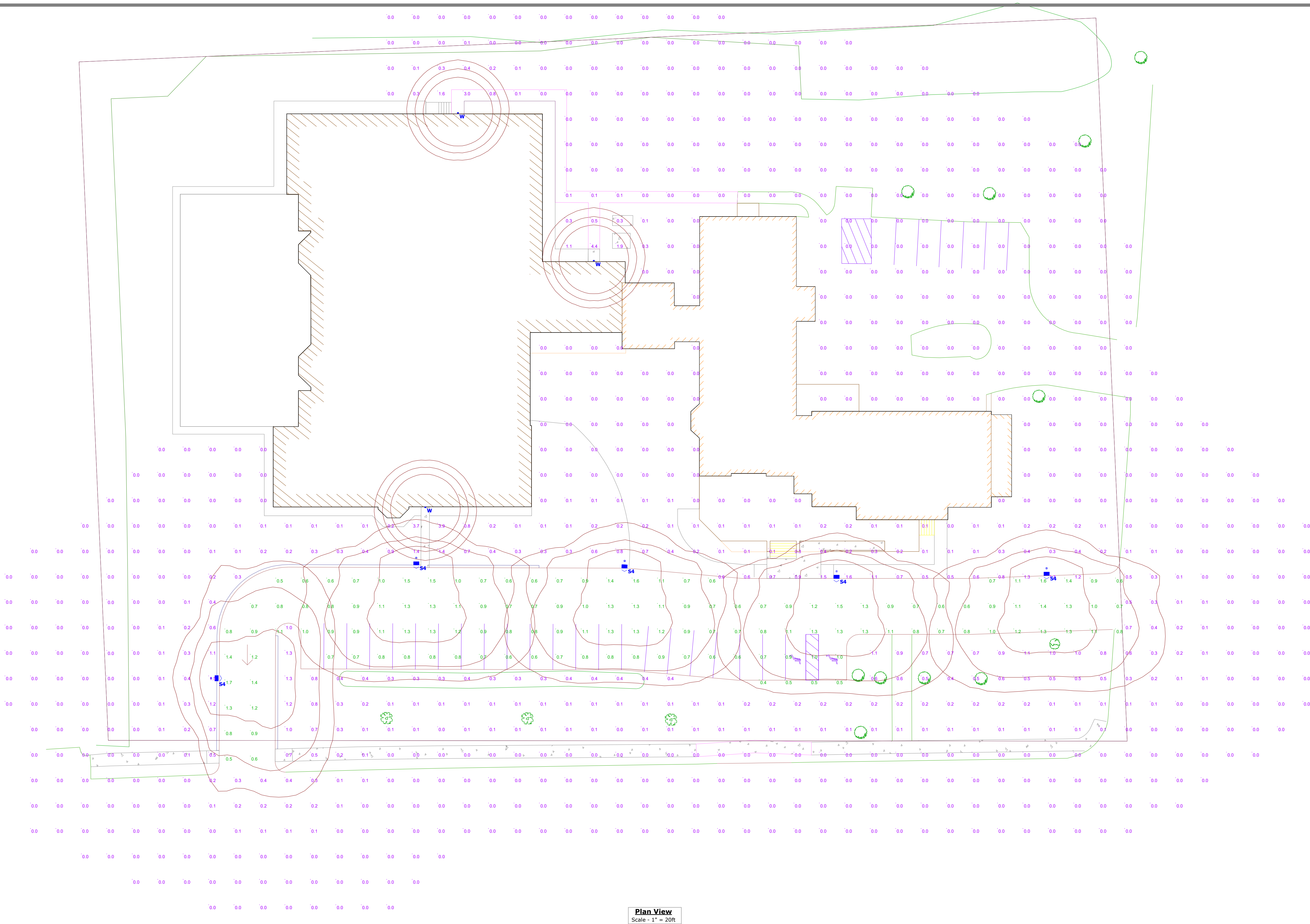
TYPICAL BED PLANT SPACING

NOTE:
D = DIMENSION OF PLANT SPACING (SHRUB OR GROUNDCOVER AS INDICATED ON PLANS)

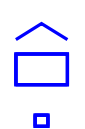
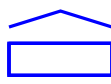
GROUNDCOVER PLANTING DETAIL
Not to Scale



WENTWORTH HOME MEMORY CARE ADDITION
Site Lighting Layout



Plan View
Scale - 1" = 20ft

Schedule											
Symbol	Label	Quantity	Manufacturer	Catalog Number	Description	Lamp	Number Lamps	Filename	Lumens Per Lamp	Light Loss Factor	Wattage
	S4	5	Lithonia Lighting	DSX0 LED P2 40K TFTM MVOLT HS SPA DDBXD with SSS 20 4C DM19AS DDBXD	DSX0 LED P2 40K TFTM MVOLT HS SPA DDBXD with houseside shield; mounted at 20ft	LED	1	DSX0_LED_P2_40K_TFTM_MVO LT_HS.ies	4690	0.9	49
	W	3	Lithonia Lighting	OLWX1 LED 20W 40K DDB	20W 4000K LED WALL PACK; mounted at 10ft	LED	1	OLWX1_LED_20 W_50K_DDB.ies	2663	0.9	19.33

Statistics

Description	Symbol	Avg	Max	Min	Max/Min	Avg/Min
Outside of Parking Lot	+	0.1 fc	4.4 fc	0.0 fc	N/A	N/A
Parking Lot	+	0.9 fc	1.7 fc	0.4 fc	4.3:1	2.3:1

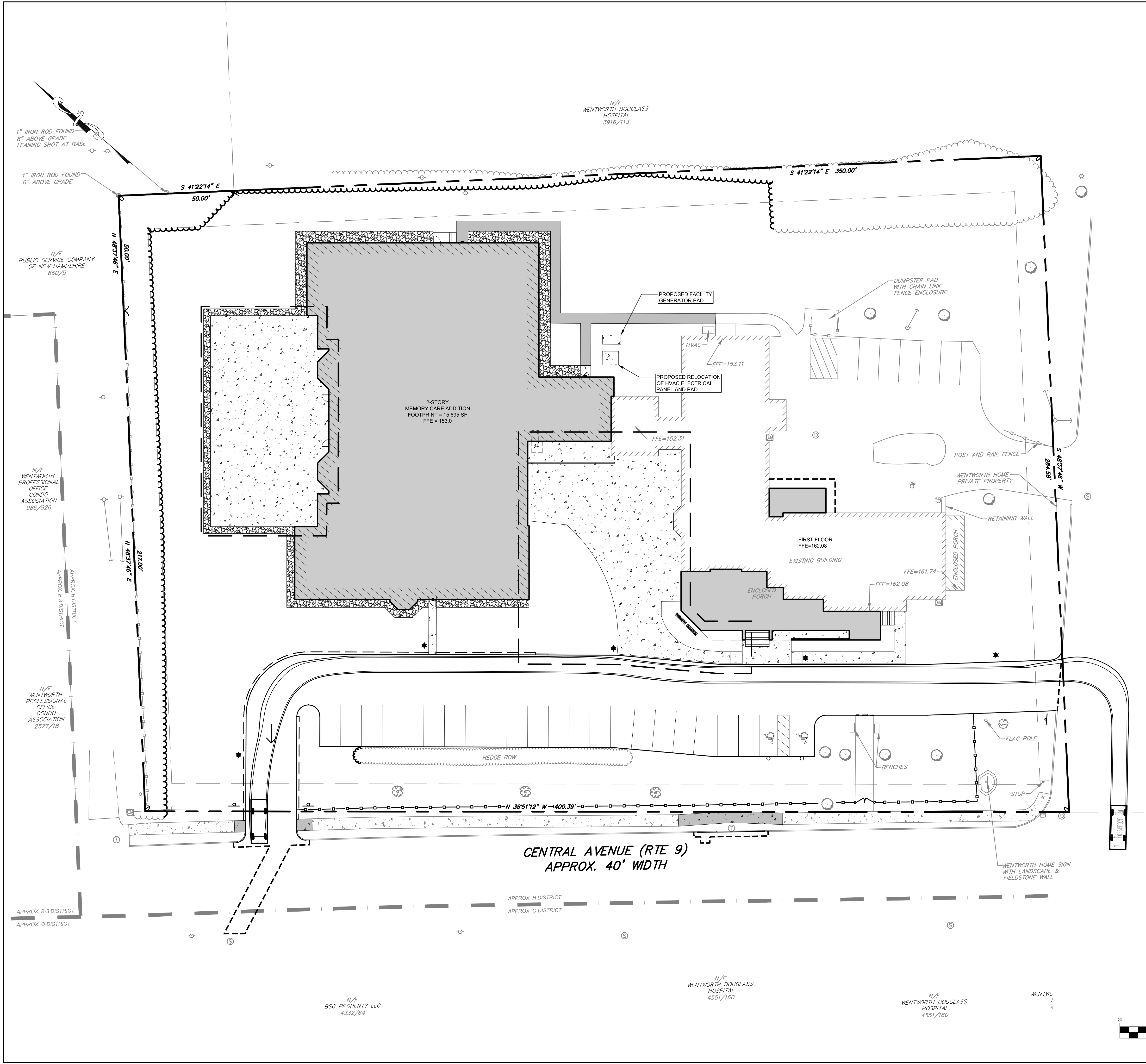
Designer
Heidi G. Connors
Visible Light, Inc.
24 Stickney Terrace
Suite 6
Hampton, NH 03842

Date
8/2/2019

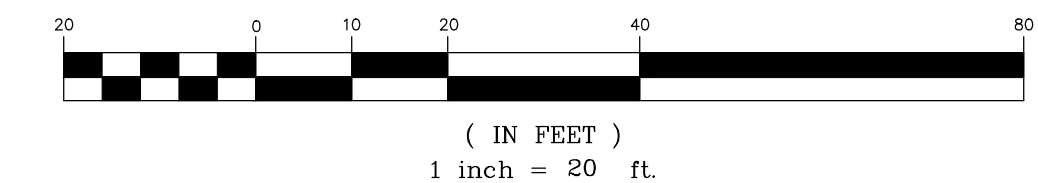
Scale
Not to Scale

Drawing No.

Summary



PASSENGER CAR DIMENSIONS:
LENGTH: 19 FT
WIDTH: 7 FT
HEIGHT: 4.3 FT
STEERING ANGLE: 31.6 DEG.





CIVIL • ENVIRONMENTAL • GEOTECHNICAL

2 CAPITAL PLAZA, SUITE 305
CONCORD, NH 03301
603-369-4190
www.wilcoxandbarton.com

REVISION HISTORY

1.	
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Owner

**Wentworth Home
795 Central Avenue
Dover, NH 03820**

Site

**Wentworth Home
Memory Care Addition
795 Central Avenue
Dover, NH 03820**

**Planning File #: P19-59
Lot No. 1-A, Map 37**

Drawing Title

Turning Template

Scale	1" = 20'	Date	08/12/2019
Drafted By	ARC	Checked By	RSR
Project Mgr	ERL	Project Number	LBPA0001

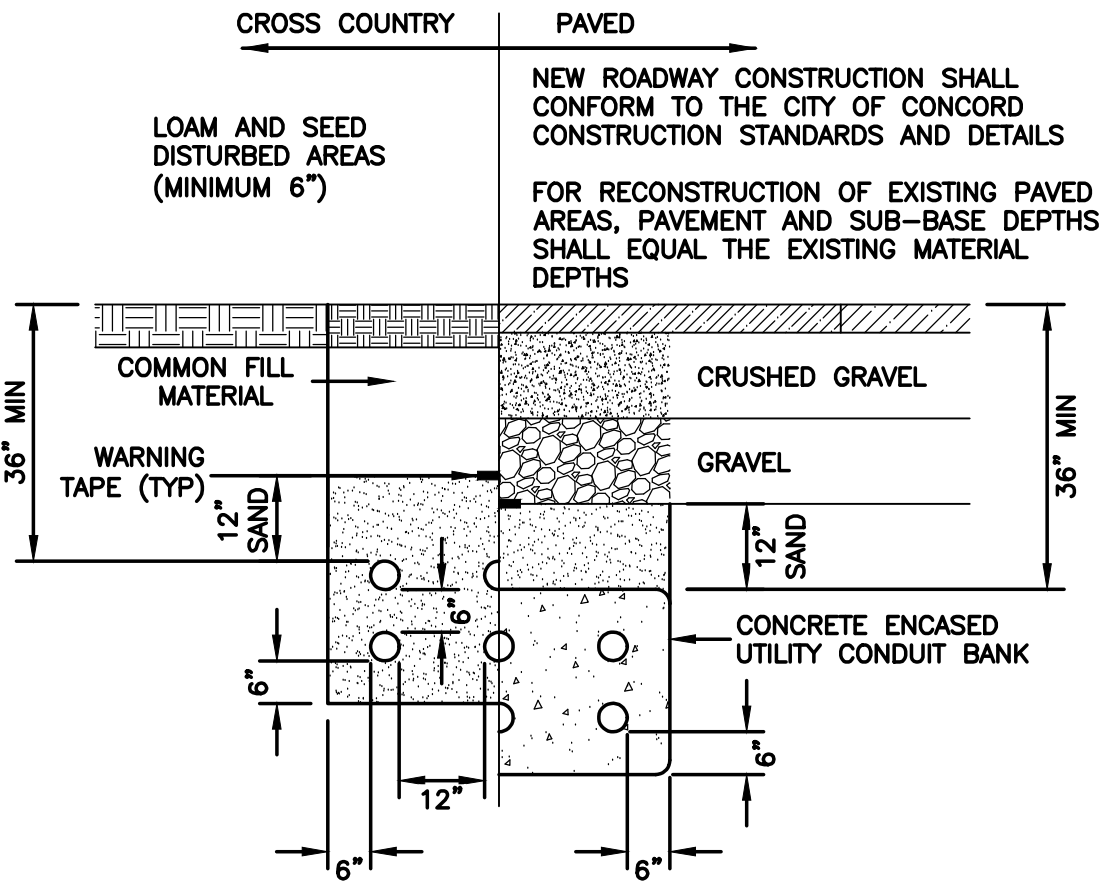


ENGINEER: ERIN R. LAMBERT
NH P.E. #11057

Sheet Number

T1.1

11 of 14

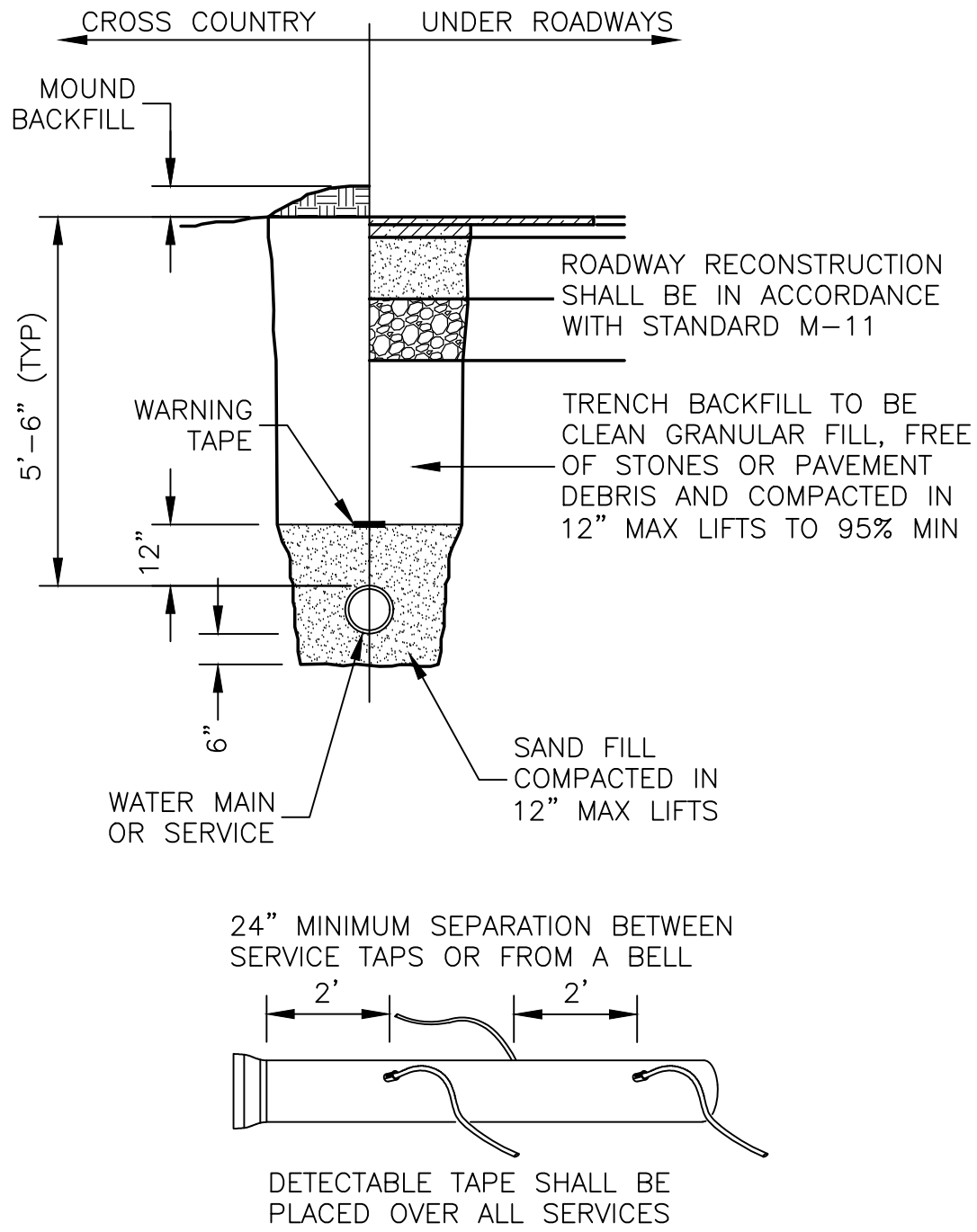


UNDERGROUND CONDUIT INSTALLATIONS SHALL BE COORDINATED WITH ALL LOCAL UTILITIES INCLUDING ELECTRIC, TELEPHONE, GAS, CABLE, STEAM, AND CITY OF DOVER FIRE ALARM/SIGNAL AND ENGINEERING SERVICES DIVISIONS.

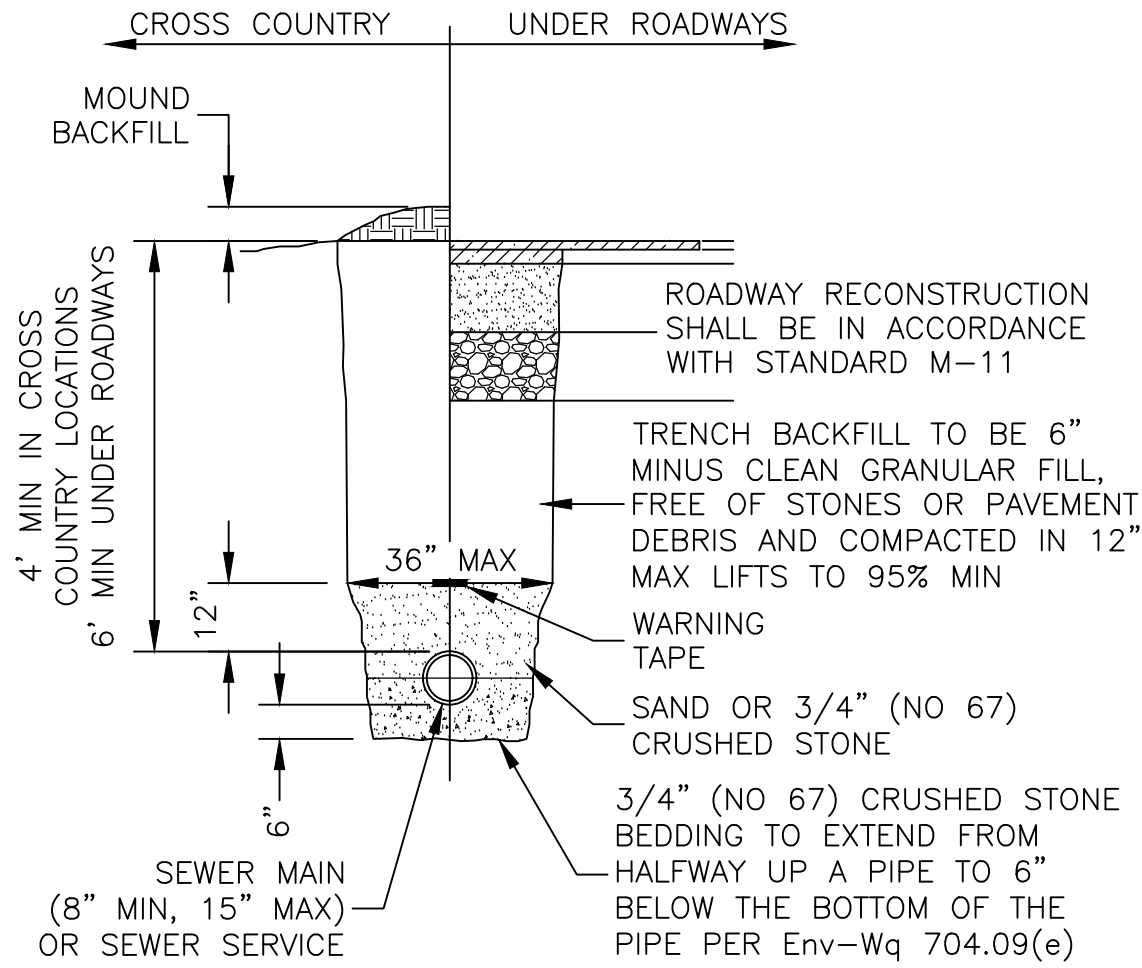
CONDUIT CROSSINGS SHALL BE SWEEPS AT RIGHT ANGLES TO THE STREET. 90° BENDS ARE NOT ACCEPTABLE.

PROPOSED CONDUITS WITHIN PAVED SECTIONS OF STREETS SHALL BE RIGID METAL OR SCH 80 PVC CONDUIT. WHEN THE PROPER DEPTH CANNOT BE ACHIEVED, SCH 40 PVC CONDUIT ENCASED IN CONCRETE SHALL BE USED.

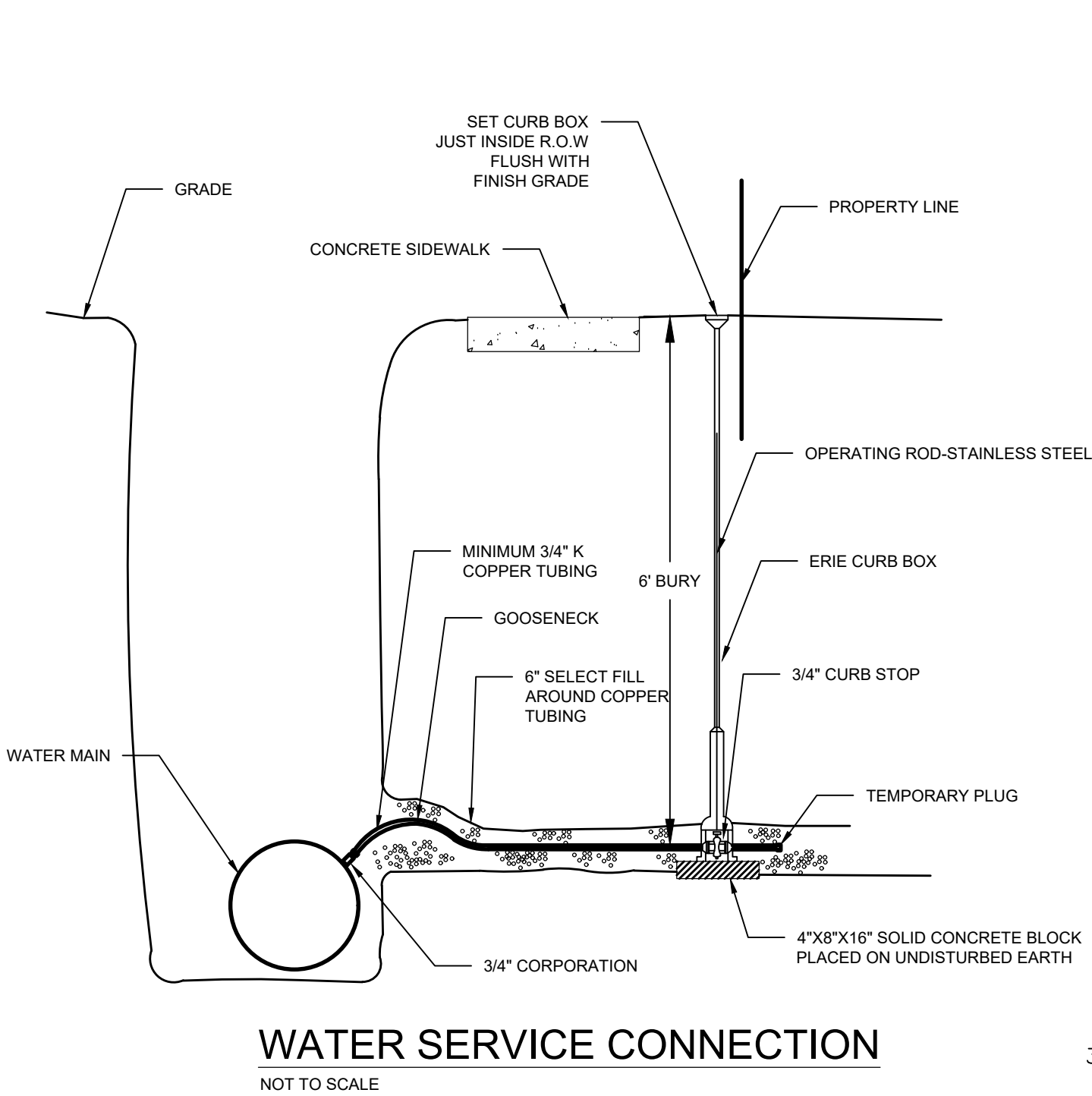
TYPICAL UTILITY CONDUIT INSTALLATION DETAIL



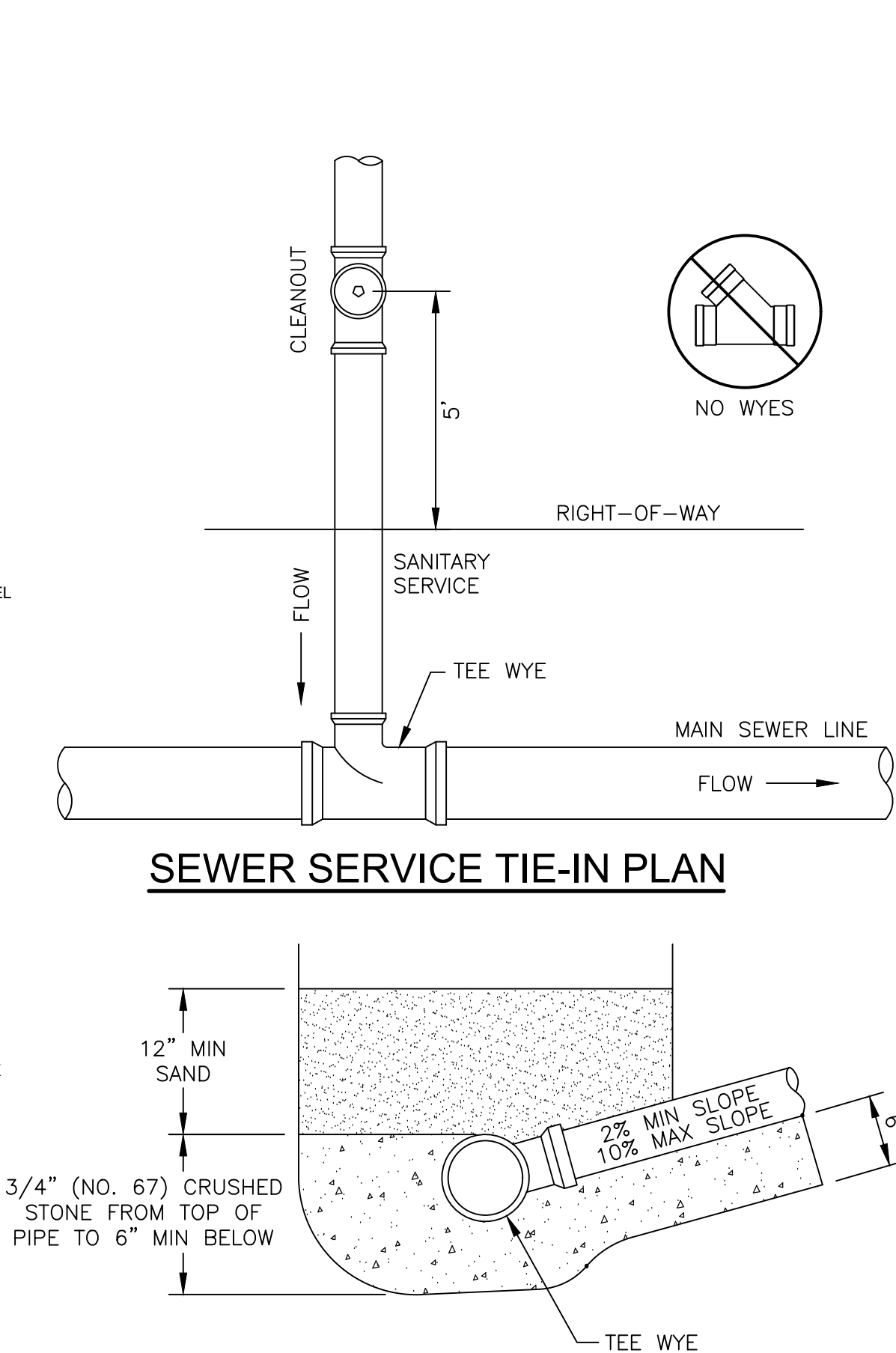
WATER MAIN/SERVICE TRENCH DETAIL



SANITARY SEWER MAIN/SERVICE TRENCH DETAIL

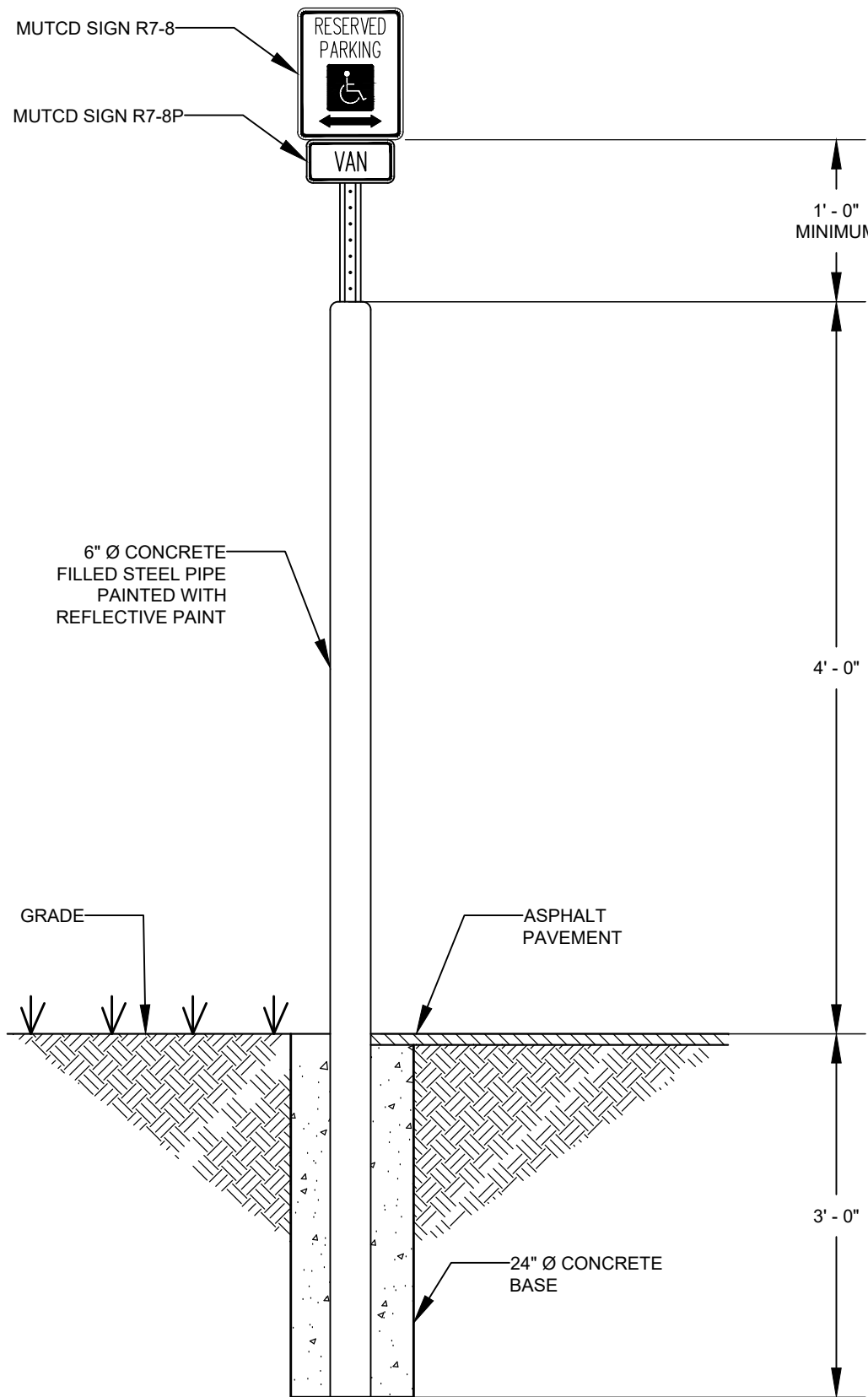


WATER SERVICE CONNECTION
NOT TO SCALE



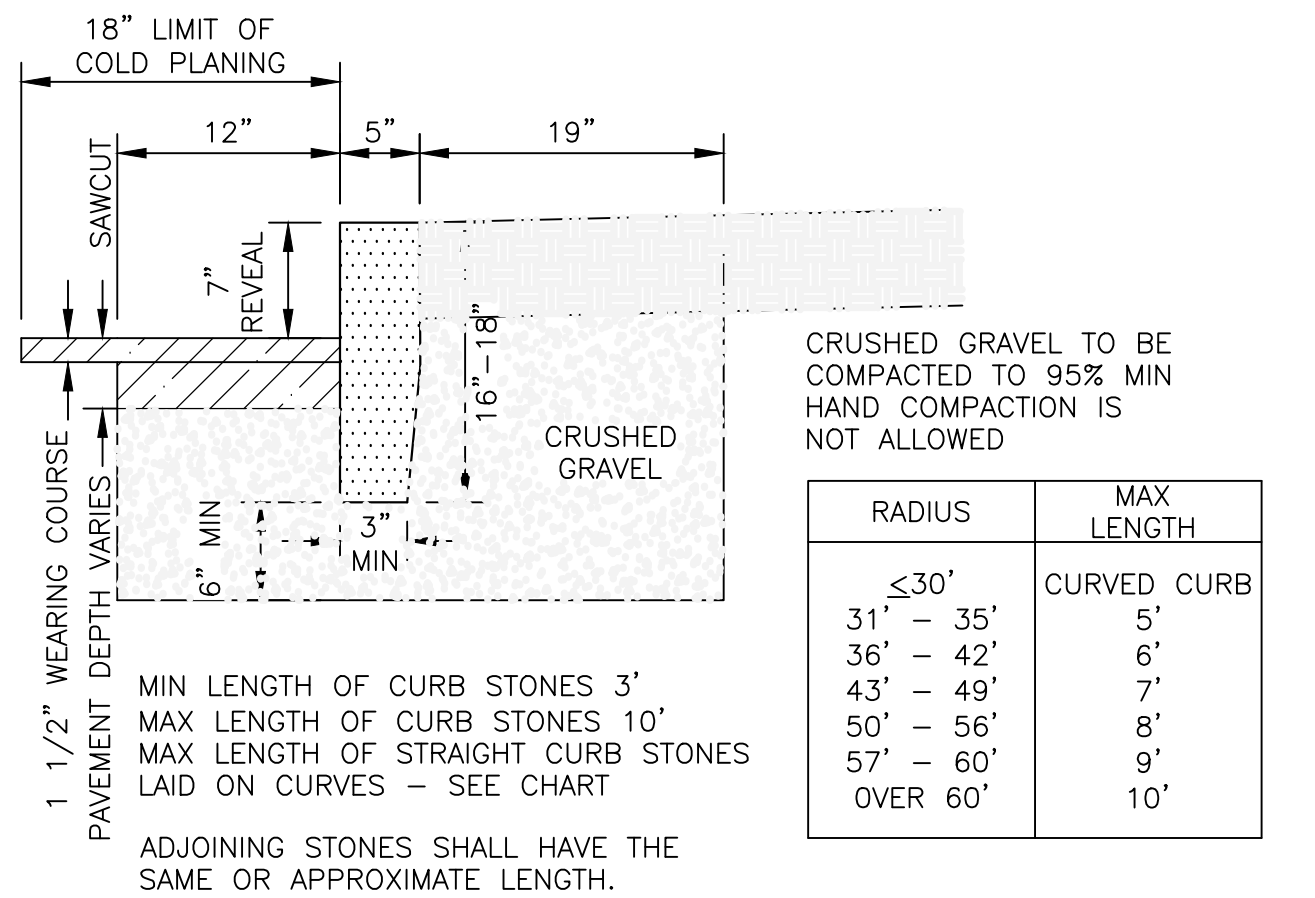
SEWER SERVICE TIE-IN PLAN

SEWER SERVICE TIE-IN SECTION



TRAFFIC BOLLARD WITH ADA SPACE SIGN

NOT TO SCALE



RADIUS	MAX LENGTH
≤ 30'	CURVED CURB
31' - 35'	5'
36' - 42'	6'
43' - 49'	7'
50' - 56'	8'
57' - 60'	9'
OVER 60'	10'

FINISH SURFACE AND TOLERANCES FOR VERTICAL GRANITE CURB		
AREA	FINISH SURFACE	TOLERANCE
TOP	5" WIDE OR AS OTHERWISE SHOWN, SAWN TRUE PLANE. FRONT AND BACK ARRIS LINES PITCHED STRAIGHT AND PARALLEL.	+ $\frac{1}{8}$ " TO + $\frac{1}{8}$ "
FRONT FACE	RIGHT ANGLE TO TOP, APPROXIMATELY TRUE PLANE. NO DRILL HOLES SHOWING IN TOP 10"	+1" TO - $\frac{1}{2}$ "
BACK FACE EXPOSED	PLANE PARALLEL WITH FRONT FACE, STRAIGHT SPLIT TO $\frac{1}{2}$ " BELOW EXPOSED SURFACE. NO LARGER THAN $\frac{1}{4}$ " SEGMENT OF DRILL HOLES SHOWING IN ARRIS LINES.	+1" TO -1"
CONCEALED	BELOW $\frac{1}{2}$ " FROM EXPOSED SURFACE.	+ $\frac{1}{2}$ " TO - $\frac{1}{2}$ "
BOTTOM	APPROXIMATELY PARALLEL TO TOP. MINIMUM WIDTH: 3"	SEE PLANS
ENDS EXPOSED PORTION	SQUARE WITH PLANES OF TOP AND FACE	
JOINTS EXPOSED	OPTIMUM WIDTH: 1"	
CONCEALED	TO BREAK BACK NO MORE THAN 4"	+ $\frac{3}{4}$ " TO - $\frac{3}{4}$ "

VERTICAL GRANITE CURB

REVISION HISTORY
1.

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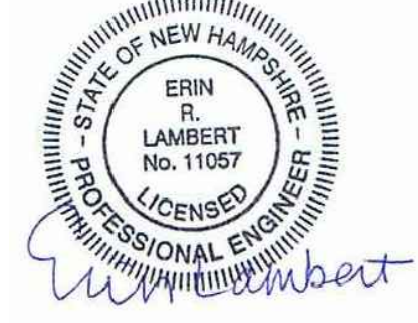
Owner
**Wentworth Home
795 Central Avenue
Dover, NH 03820**

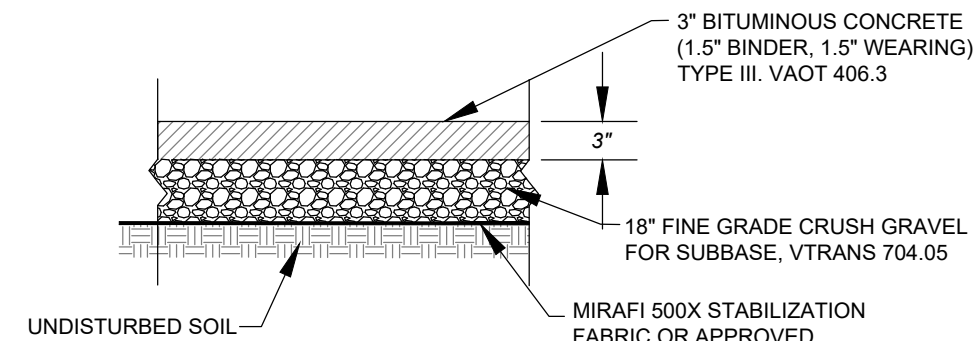
Site
**Wentworth Home
Memory Care Addition
795 Central Avenue
Dover, NH 03820**

**Planning File #: P19-59
Lot No. 1-A, Map 37**

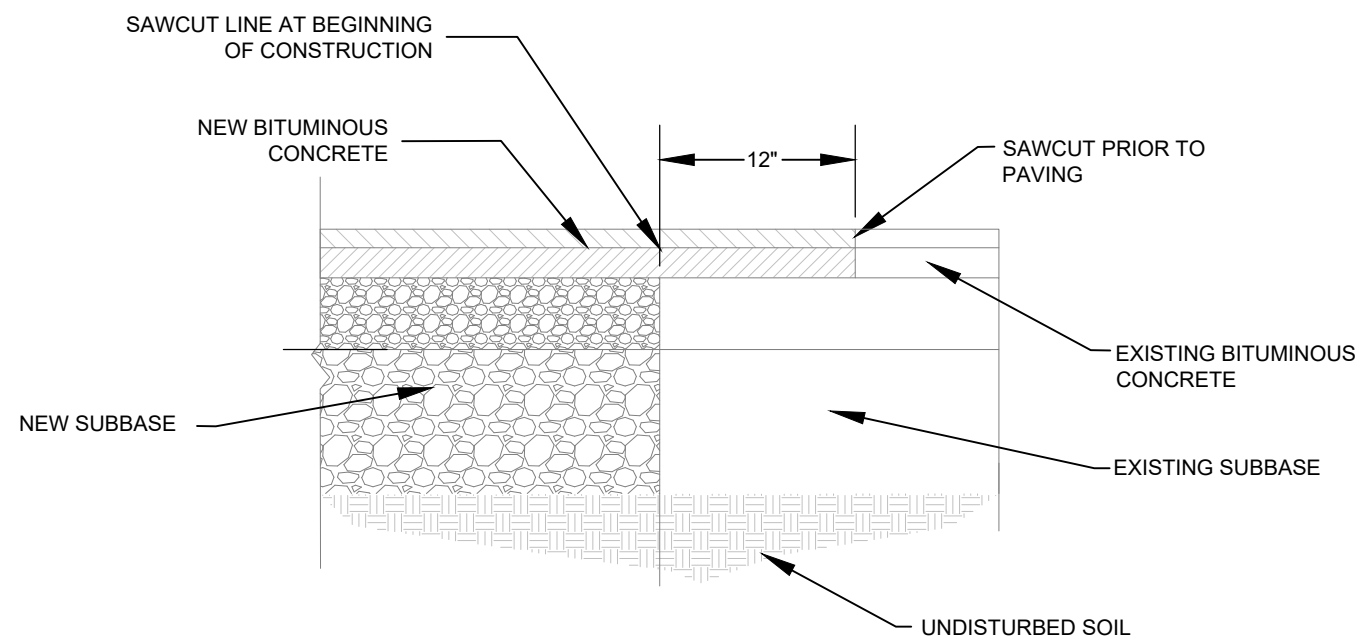
Drawing Title
Construction Details

Scale	N.T.S.	Date	08/12/2019
Drafted By	ARC	Checked By	RSR
Project Mgr	ERL	Project Number	LBPA0001

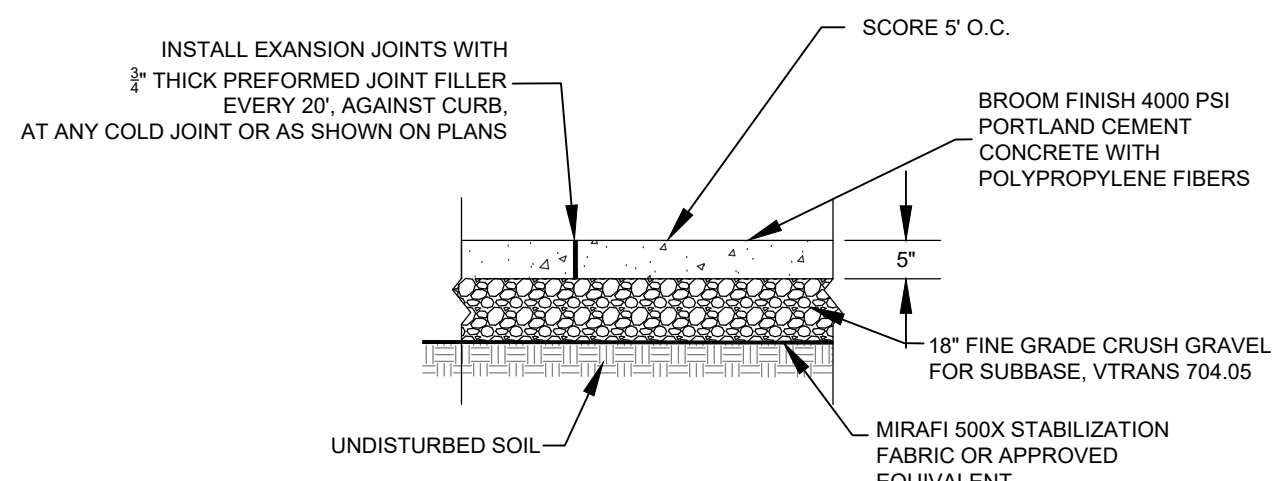
 ENGINEER: ERIN R. LAMBERT NH P.E. #11057	C5.2
	14 of 14



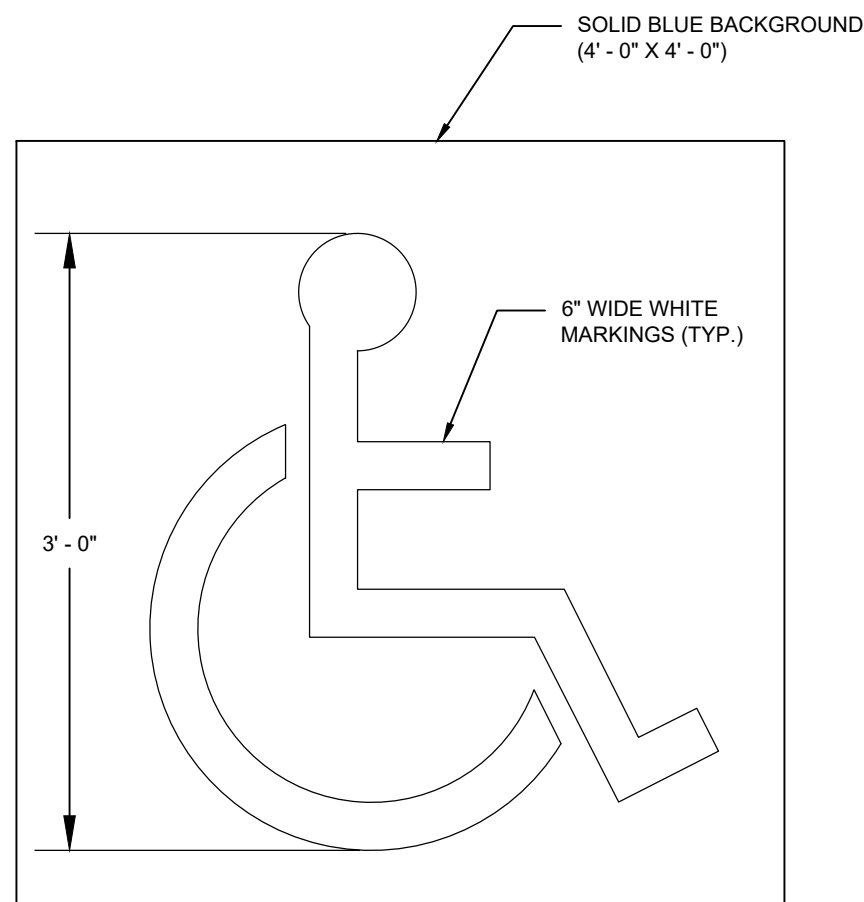
ASPHALT SIDEWALK SECTION
NOT TO SCALE



PAVEMENT JOINT DETAIL
NOT TO SCALE

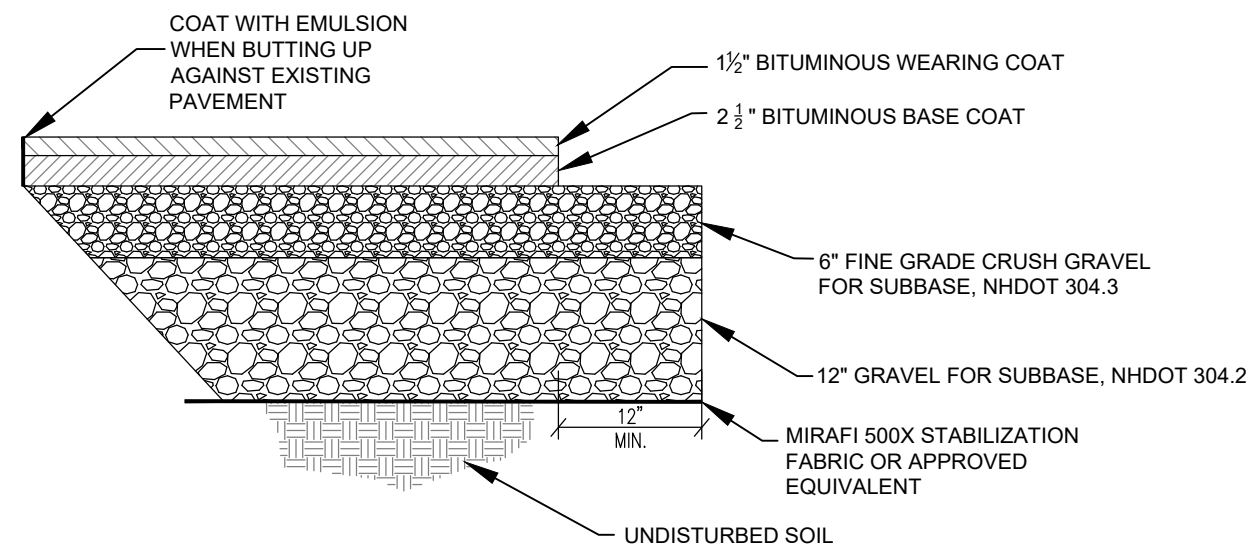


CONCRETE SIDEWALK SECTION

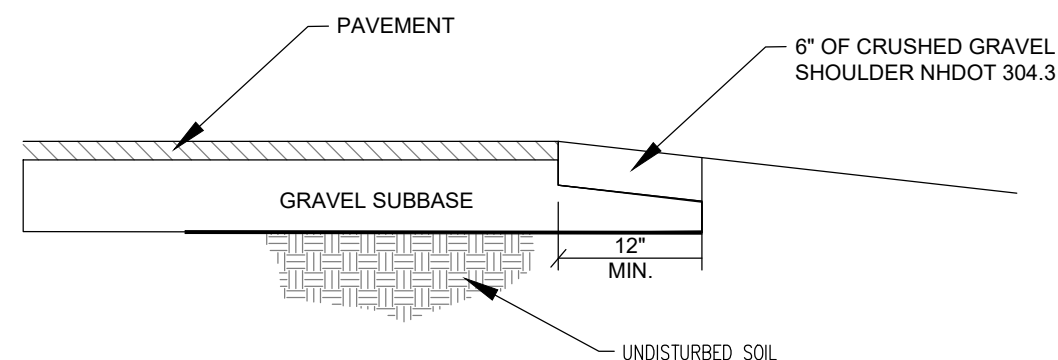


NOTE:
SYMBOL TO CONFORM WITH FIGURE 3B.22 OF THE MUTCD (DEC. 2009)
EXCEPT AS OTHERWISE INDICATED. REFER TO THE PAVEMENT MARKINGS
NOTES ON THE SITE LAYOUT PLAN(S).

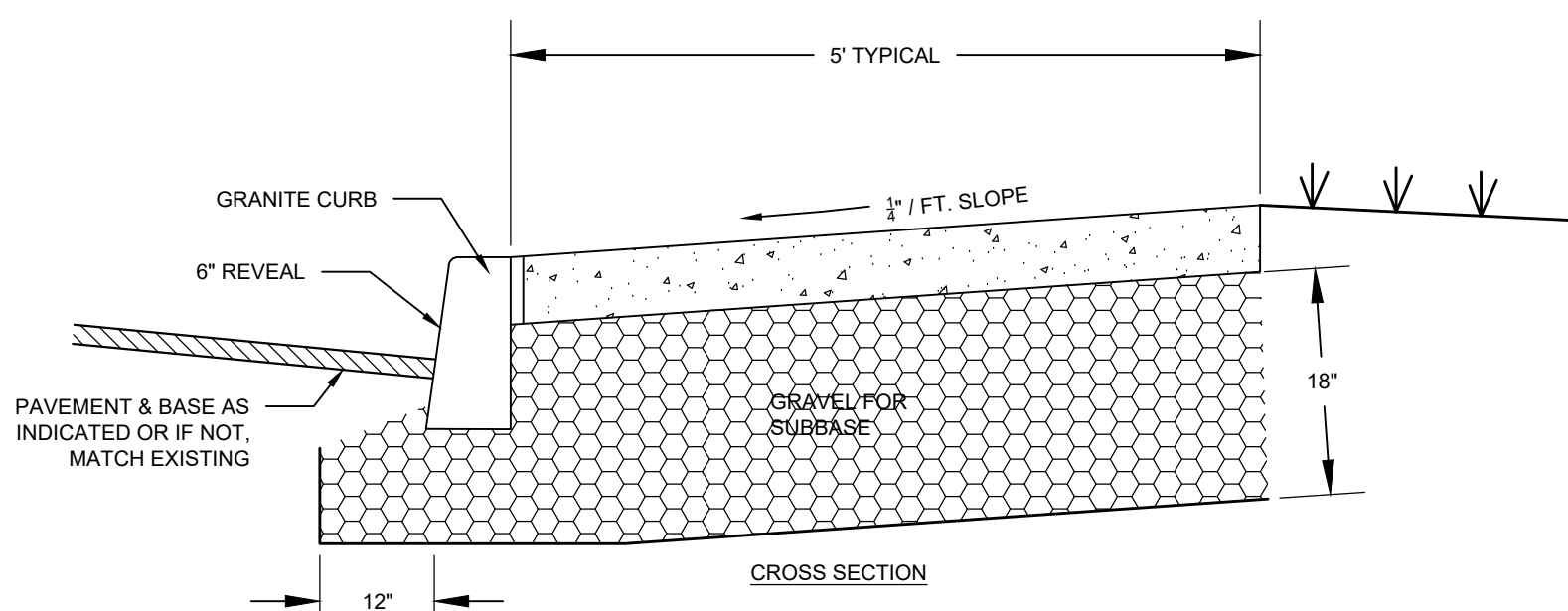
HANDICAP SYMBOL PAVEMENT MARKING
NOT TO SCALE



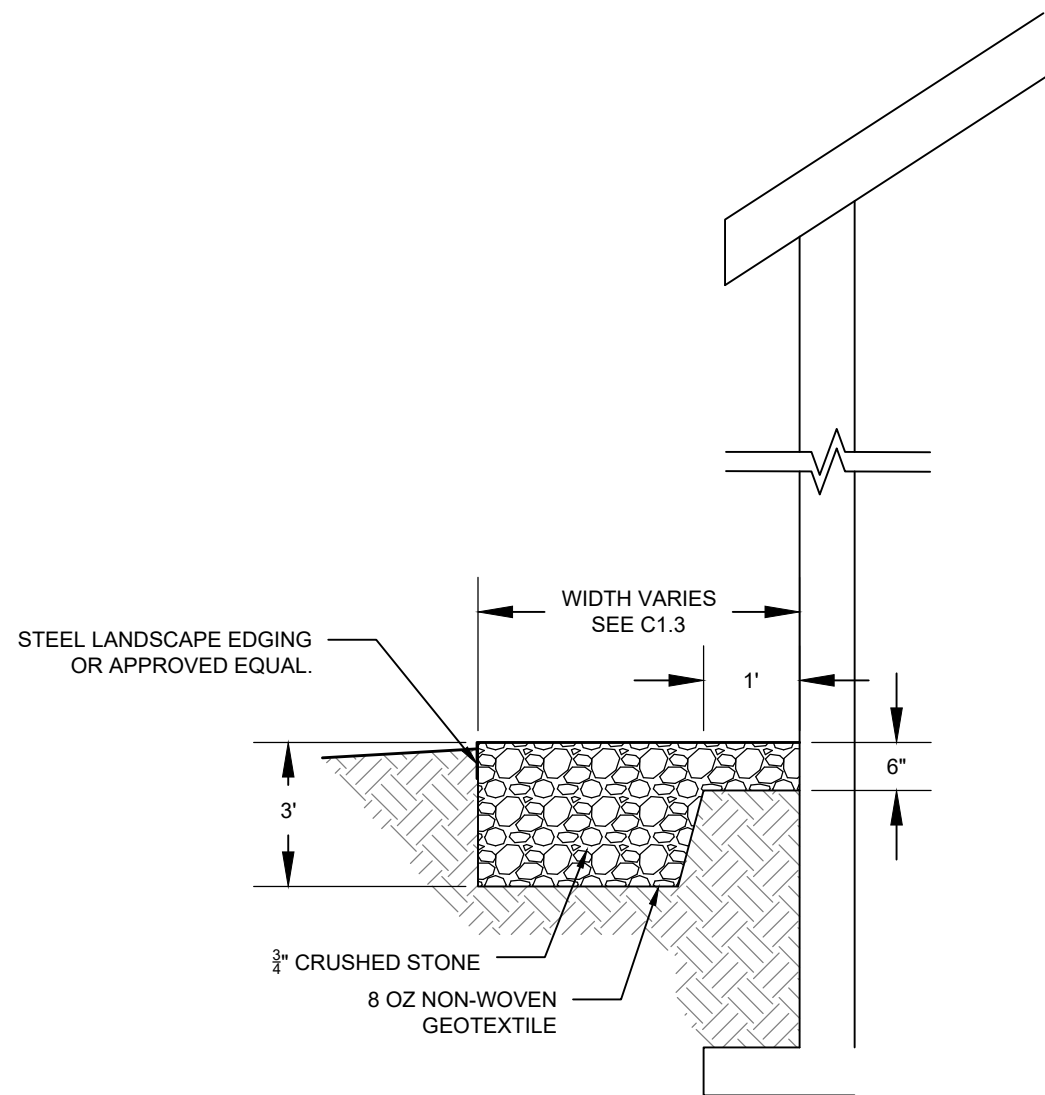
PAVEMENT SECTION
NOT TO SCALE



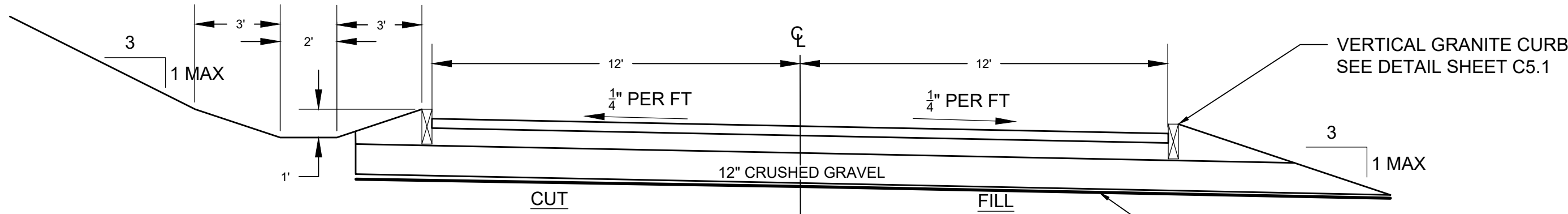
GRAVEL SHOULDER PROTECTION



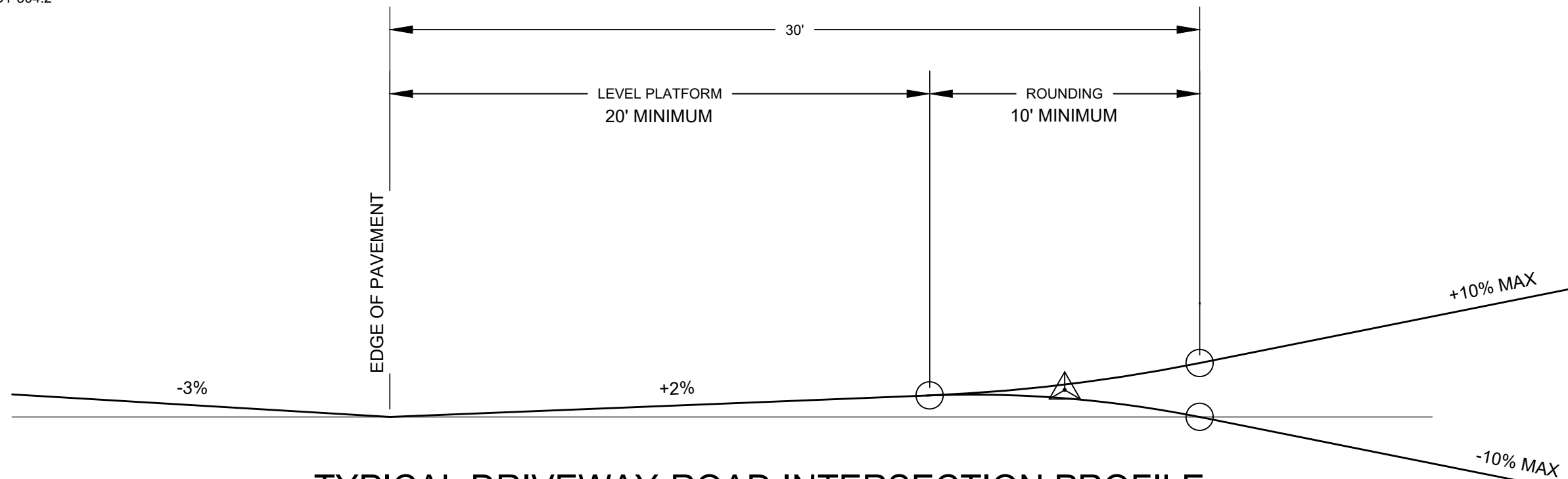
GRANITE CURB & CONCRETE SIDEWALK
NOT TO SCALE



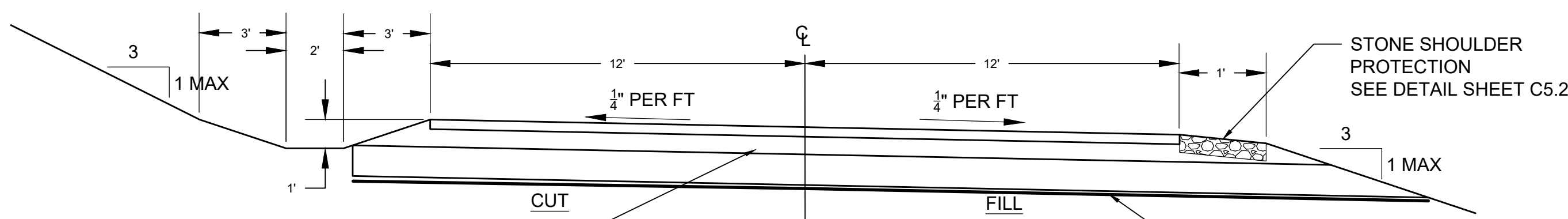
STONE DRIP STRIP
NOT TO SCALE



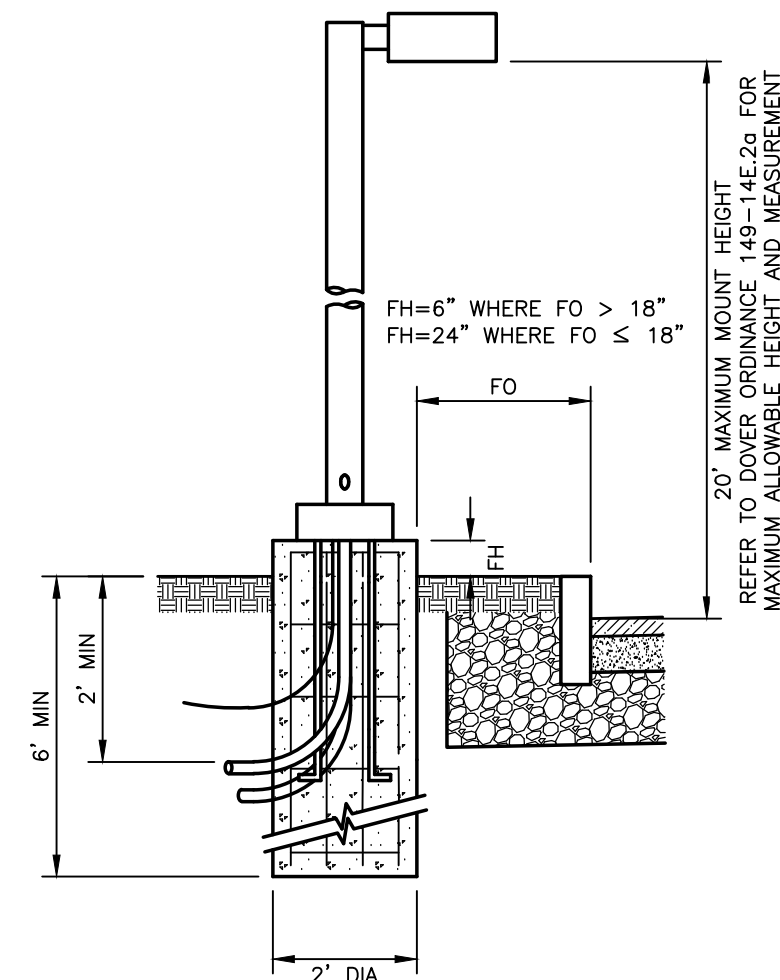
TYPICAL CURBED DRIVEWAY SECTION
NOT TO SCALE



TYPICAL DRIVEWAY-ROAD INTERSECTION PROFILE
NOT TO SCALE



SEE TYPICAL SECTIONS, SHEET C5.2
TYPICAL DRIVEWAY SECTION
NOT TO SCALE



THIS INFORMATION MAY NOT CONTAIN ALL DETAILS REQUIRED FOR CONSTRUCTION. APPROPRIATE MODIFICATION MAY BE REQUIRED TO ENSURE SUITABILITY OF THESE DRAWINGS FOR THE SPECIFIC APPLICATION. IT IS THE USERS RESPONSIBILITY TO ENSURE INSTALLATION OF THE EQUIPMENT/SYSTEM IN ACCORDANCE WITH BUILDING/PROJECT SPECIFICATIONS, APPLICABLE CODES AND STANDARDS.

LIGHT POLE BASE DETAIL

TRITECH

ENGINEERING CORPORATION

755 CENTRAL AVENUE
DOVER, NEW HAMPSHIRE 03820

TELEPHONE 603.742.8107
FACSIMILE 603.742.3830

August 15, 2019

Christopher G. Parker, AICP
Assistant City Manager
City of Dover, Planning Department
288 Central Avenue
Dover, New Hampshire 03820

Subject: Minor Site Review Application
10 Durham Road, LLC
10 Durham Road
Dover Tax Map I Lot 7
Dover, New Hampshire
Job No. 19114

Dear Christopher:

- Eight (8) Full Size copies of the Plan Set.
- One (1) 11 X 17 copy of the Plan Set.
- Eight (8) copies each of the following Supporting Documentation:
 - This cover letter.
 - The Site Review Application.
 - The Site Review Submission Checklist.
- Site Review Application Fee - \$676.80.

We look forward to reviewing these plans and documentation with the Technical Review Committee.

Please advise should you have any questions.

Very truly yours,
TRITECH ENGINEERING CORP.

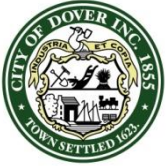


Robert J. Stowell, P.E., L.L.S.
President

RJS / rms

Enclosures

\\19114_TRC_SiteRevTRCSubmissLtr.docx



City of Dover, New Hampshire SITE REVIEW APPLICATION

[Revision Date: June 4, 2019]

Office Use Only

Project #: _____

Date Received: _____

Amount Paid: _____

Time Received: _____

APPLICANT AND OWNER INFORMATION

Name of Applicant: 10 Durham Road Group, LLC Telephone # (603) 781-8600

Address of Applicant: 278 Washington Street

E-Mail Address: Tom@arthurthomasproperties.com

Name of Property Owner (if different from applicant): Same Telephone # Same

Address of Property Owner: Same

PROPERTY INFORMATION

Address of Property: 10 Durham Road, Dover, NH 03820

Assessor's Map # I Lot(s) # 7

Zoning District(s) R-20 Overlay District(s) N/A

Size of Parcel: 41,483 sq. ft. 0.952 ac. Property Deed: Book 4643 Page: 739

Existing Use of Property: Single Family Residential

SITE PLAN INFORMATION

Describe Proposed Use: Conversion of existing house into office space, and add 14 parking spaces

Area of Parcel to be Developed: 41,483 sq. ft.

If Multi-family Residential, Specify Number of Units & Buildings Proposed: N/A

Number of Parking Spaces: Existing 2 Proposed 14

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

Number of Employees Total: 12 In Maximum Shift: 12

Disposition of Parcel:

Building Setbacks:

Building Footprint 2,050 sq. ft.

Front Yard 18.8 ft.

Total Building Area 3,968 sq. ft.

Rear Yard 94.5 ft.

Paved Area 5,980 sq. ft.

Side Yard: Right 94.5 ft. Left 67.6 ft.

City Water? ☒ Yes ☐ No How far is city water from the property? ExistingCity Sewer? ☒ Yes ☐ No How far is city sewer from the property? Existing**BUILDING INFORMATION**Type of Building to be Built: ExistingHeight of Building: Existing Finished Floor Elevation: Existing

Number of Seats (where applicable) _____

Estimated value of construction: \$40,000 Refuse removal: Public Private (circle one)**WAIVER REQUESTS**

Site Review Regulations section(s) to be waived: _____

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

SURVEYOR INFORMATIONName of Surveyor and Company (Licensed in N.H.) Robert J. Stowell Trittech Engineering CorporationAddress 755 Central Avenue, Dover, NH 03820 Telephone #: (603) 742-8107Professional License #: 884 E-mail address: rjs@tritecheng.com**ENGINEER INFORMATION**Name of Engineer and Company (Licensed in N.H.) Robert J. Stowell Trittech Engineering CorporationAddress 755 Central Avenue, Dover, NH 03820 Telephone #: (603) 742-8107Professional License #: 9903 E-mail address: rjs@tritecheng.com**ARCHITECT INFORMATION**

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.) _____

Address _____ Telephone #: _____

Professional License #: _____ E-mail address: _____

SOIL SCIENTIST INFORMATION

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

Address _____ Telephone #: _____

Professional License #: _____ E-mail address: _____

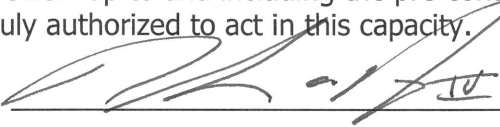
CONSERVATION EASEMENT HOLDER

Name of Easement Holder: _____ Telephone # _____

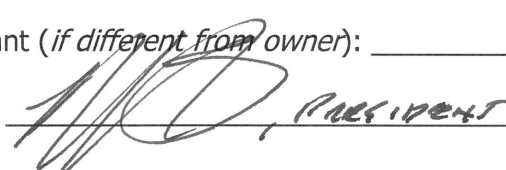
Address Easement Holder: _____

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.

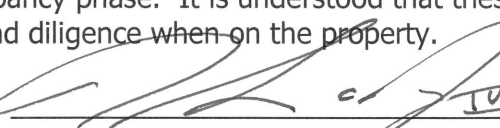
Signature of Property Owner:  Date: 8.5.2019

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

Signature of Agent:  PRESIDENT Date: _____

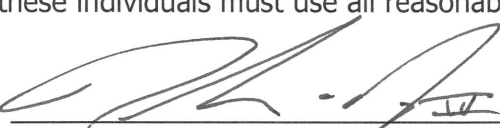
AUTHORIZATION TO ENTER SUBJECT PROPERTY

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: 8.5.2019

AUTHORIZATION TO COMPLETE THE PROJECT ON SUBJECT PROPERTY

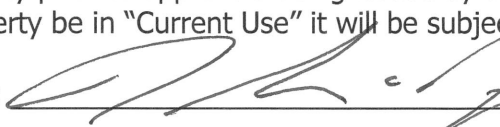
I, and my successors, hereby the City of Dover or its assigns to enter my property for the purpose of completing the site work as required by the approved plan should the letter or credit or other surety be called. It is understood that these individuals must use all reasonable care, courtesy, and diligence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

Signature of Property Owner:  Date: 8.5.2019

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

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: 8.5.2019

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

PLANNING BOARD FEE SCHEDULE

(Revised May 14, 2019)

Below are the fees associated with plan review. 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 \$150.00 x # _____ new lots created= | \$ _____ |
| ☐ LOT LINE ADJUSTMENT \$100.00 X # of lots involved= | \$ _____ |
| ☐ TRANSFER OF DEVELOPMENT RIGHTS Application fee \$150.00= | \$ _____ |
| ☐ SITE REVIEW – RESIDENTIAL \$100.00 x # _____ per dwelling unit= | \$ _____ |
| ☒ SITE REVIEW – NON-RESIDENTIAL (not to exceed \$10,000) | |
| ○ New construction \$.15 sq. ft. x # _____ sq. ft.= | \$ _____ 0.00 |
| ○ Additions (new floor space) \$.10 per sq. ft. x # _____ sq. ft.= | \$ _____ 0.00 |
| ☐ MOTEL/HOTEL \$35.00 x # _____ per lodging unit= | \$ _____ |
| ☒ CHANGE OF USE (not to exceed \$5,000) | |
| ○ Existing floor spaces \$.10 per sq. ft. x # _____ sq. ft. = | \$ _____ 396.80 |
| ☐ CONDITIONAL USE PERMIT \$150.00 x # _____ per application= | \$ _____ |
| ☐ GRAVEL PIT/ EXCAVATIONS | |
| ○ Application fee \$50.00= | \$ _____ |
| ○ Permit fee \$75.00= | \$ _____ |
| ☐ EXTENSIONS OF/AMENDMENTS TO/WAIVERS FOR AN APPROVED PLAN
\$50.00 x # _____ per hour of review (3 hour minimum)= | \$ _____ |
| ☐ REQUEST FOR REZONING Application fee \$150.00= | \$ _____ |
| ☐ DRIVEWAY WAIVER Application fee \$100.00= | \$ _____ |
| SUB TOTAL= | \$ _____ |

AND

- | | |
|--|-----------------|
| 2. IMPERVIOUS PAVED AREA (for new development or additions to existing parking lots (not to exceed \$10,000) \$.07 sq. ft. x # _____ = | \$ _____ 280.00 |
|--|-----------------|

TOTAL PLAN REVIEW FEE= \$ 676.80

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 need to review the list and provide to this office 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 | |
| ○ Certified letters fee # _____ of x \$8.00= | \$ _____ |
| ☐ Certified letters fee: # of abutters _____ X \$8.00= | \$ _____ |
| ☐ 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= | \$ _____ |

SUB TOTAL= \$ _____

C. Foster's newspaper public notice fee

TOTAL NOTICE FEE= \$ 80.00

The above amount must be paid 28 hours prior to the Planning Board meeting, to be heard.



City of Dover, New Hampshire SITE PLAN REVIEW SUBMISSION CHECKLIST

[Revision Date: June 4, 2019]

This site plan review checklist, as required by Chapter 149-6-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: 10 Durham Road, LLC File Number: _____

PROJECT TITLE: Arthur Thomas Properties

PROPERTY LOCATION: 10 Durham Road Tax Map: I Lot: 7

	Where/How Provided	Reviewed
1. Completed and signed Application form	Enclosed	
2. Plan Review Fees are provided	Enclosed	
3. Electronic copy of the engineered/surveyed plan layout	Emailed	
4. Electronic copy of supplementary materials and application	Emailed	
5. Traffic Impact Assessment and Analysis (Standard or Advanced)	N/A	
6. Waiver requests to the Site Plan Review Regulations, with written justification	N/A	
7. Conditional Use Permit applications	N/A	
8. A colored rendering of the streetscape that will be created along the existing public right-of-way	N/A	
9. A colored architectural plan showing all sides of buildings	N/A	
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:	Enclosed	
Location map at appropriate scale	Shown on Plan	
Proposed Project name and title and Planning File #	Pending	
Date, north arrow and scale	Shown on Plan	
Names of all abutting property owners	Shown on Plan	
Name and address of owners and/or applicants	Shown on Plan	
Signature & stamp of NH licensed land surveyor and/or engineer	Pending	
Zoning District boundaries, including any special or overlay districts	N/A	
Location of Conservation District areas	N/A	
Location, names and widths of existing and proposed streets, including pavement widths, grades, curbs and crosswalks	Shown on Plan	
Location and widths of existing & proposed easements & right of ways	Shown on Plan	
Location and width of existing and proposed access/egress ways	Shown on Plan	

	Explain How Provided	Reviewed
Depict pedestrian walkways and accessible access	Shown on Plan	
Existing and proposed property lines with dimensions and bearings tied into Dover's Geographic Information System coordinate system	Shown on Plan	
Existing and proposed topographic information at two foot intervals	Shown on Plan	
Existing and proposed buildings and structure locations	Shown on Plan	
Minimum building setbacks or build to lines on all lots	Shown on Plan	
Location and size of existing and proposed electric, telephone, gas cable and other underground utilities	Existing	
Existing and proposed water lines and fire hydrants, including materials and capacity needed	Existing	
Location and materials of sanitary sewage facilities within project site and projected additional peak hour sewer load	Existing	
Existing and proposed stormwater lines and facilities	Shown on Plan	
Lighting plan depicting all existing and proposed exterior light fixtures and a lighting level analysis for parking lots	Shown on Plan	
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	Enclosed	
Existing natural features and/or significant vegetation on property	Shown on Plan	
Depict existing contours up to 100 ft. beyond project limits	Not Provided	
Landscape plan depicting existing and proposed landscaping, prepared by a licensed Professional Landscape Architect	Shown on Plan	
Location of parking layout delineating spaces and arrangement; note addressing maximum required spaces	Shown on Plan	
Location, material and size of existing and proposed pavement area	Shown on Plan	
Location of proposed fire lanes	None Shown	
Specify finished floor elevations of buildings	Existing	
Location of solid waste disposal facilities (dumpster, pad and screening, etc.), including required screening	Note on Plan	
Depict all service, storage, loading bays and utility areas	N/A	
All applicable Dover Common Site Plan notes	Notes on Plans	
11. Additional Information if appropriate		
Stormwater Management Plan depicting the existing & proposed storm drainage system and engineered drainage analysis	N/A	
Stormwater Management System Operation and Maintenance Plan	N/A	
Letter to Serve from Public and Private Utilities	N/A	
Erosion and Sedimentation Control Plan	N/A	
Landscape Operation and Maintenance Plan	N/A	
Proposed restrictive covenants or homeowners association documents	N/A	
Dates and permit numbers of all required state and federal permits	N/A	
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	N/A	
Location of proposed drive-in facilities	N/A	
Provide additional exhibits/technical data determined appropriate by the Planning Board or its staff as required	N/A	

REVIEWED BY: _____ DATE _____ TRC DATE _____

SITE DEVELOPMENT PLANS

ARTHUR THOMAS PROPERTIES, LLC.

10 DURHAM ROAD
DOVER, NEW HAMPSHIRE

LIST OF PLANS

- T-1 - TITLE SHEET
- T-2 - NEIGHBORHOOD PLAN
- EX-1 - EXISTING CONDITIONS PLAN
- SP-1 - GENERAL SITE PLAN
- SP-2 - GRADING & DRAINAGE PLAN
- SP-3 - CONSTRUCTION DETAILS
- SP-4 - BIORETENSION & DETAILS

PREPARED FOR
10 DURHAM ROAD GROUP, LLC.
278 WASHINGTON STREET
DOVER, NEW HAMPSHIRE

OWNER:
10 DURHAM ROAD GROUP, LLC.
278 WASHINGTON STREET
DOVER, NEW HAMPSHIRE

PREPARED BY
TRITECH
ENGINEERING CORPORATION

TRITECH

ENGINEERING CORPORATION

255 CENTRAL AVENUE
DOVER, NEW HAMPSHIRE 03820
TELEPHONE 603 742 8107
FAX 603 742 9890

REVISIONS
DATE: DESCRIPTION:

TITLE SHEET

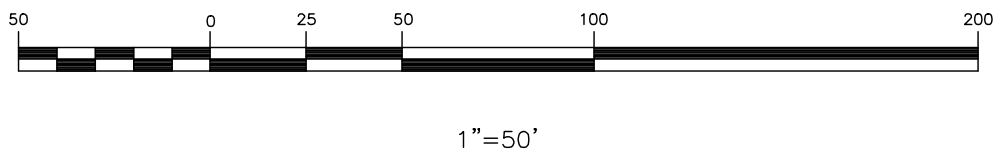
ARTHUR THOMAS PROPERTIES, LLC.

DURHAM ROAD & BACK RIVER ROAD
DOVER, NEW HAMPSHIRE

AUGUST 15, 2019 JOB No. 19114

SHEET No.

T-1



SHEET NO.

T-2

NEIGHBORHOOD PLAN

ARTHUR THOMAS PROPERTIES, LLC.
DURHAM ROAD & BACK RIVER ROAD
DOVER, NEW HAMPSHIRE

AUGUST 15, 2019
JOB No. 19114
SCALE: 1" = 50'

REVISIONS
DATE: DESCRIPTION:

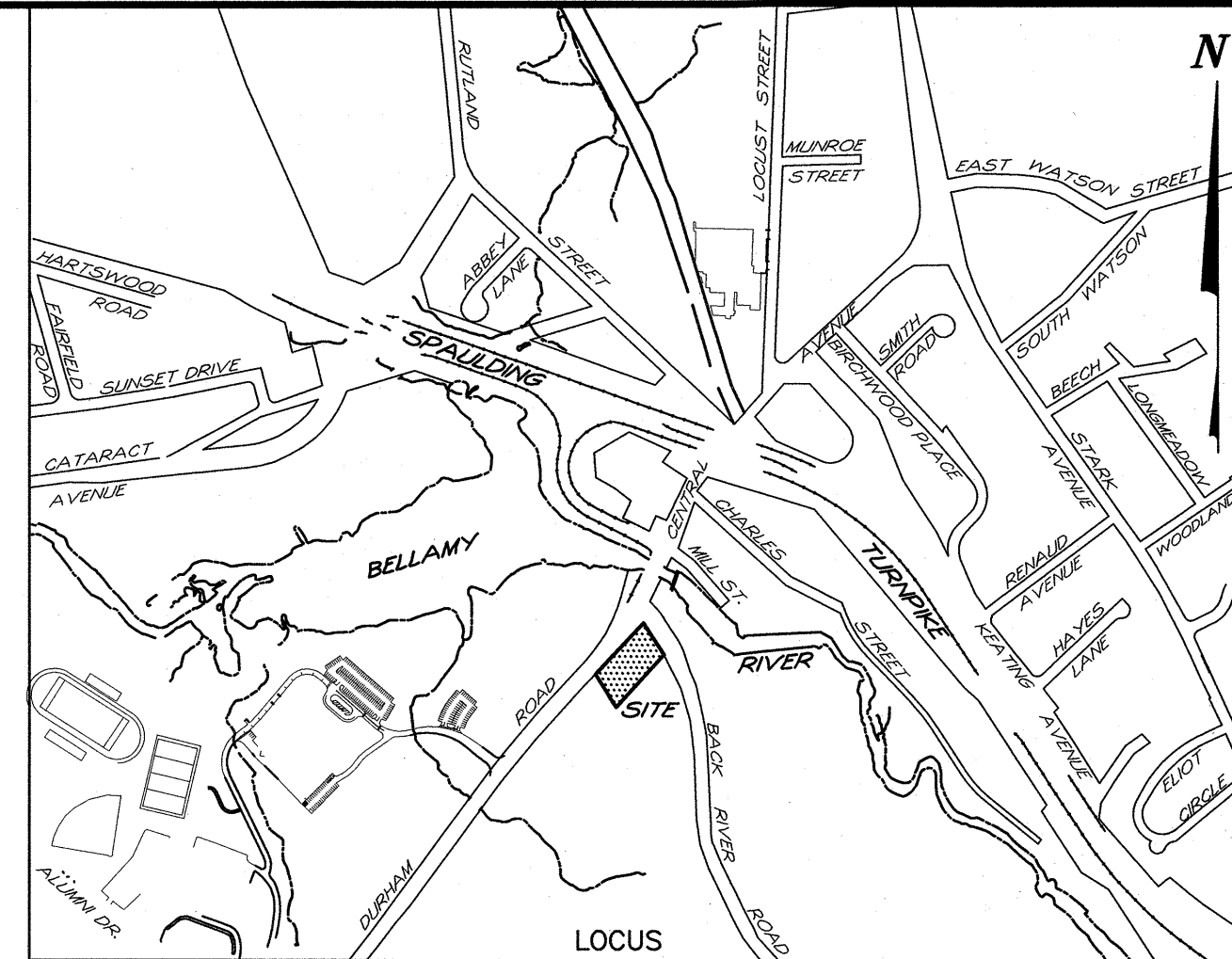
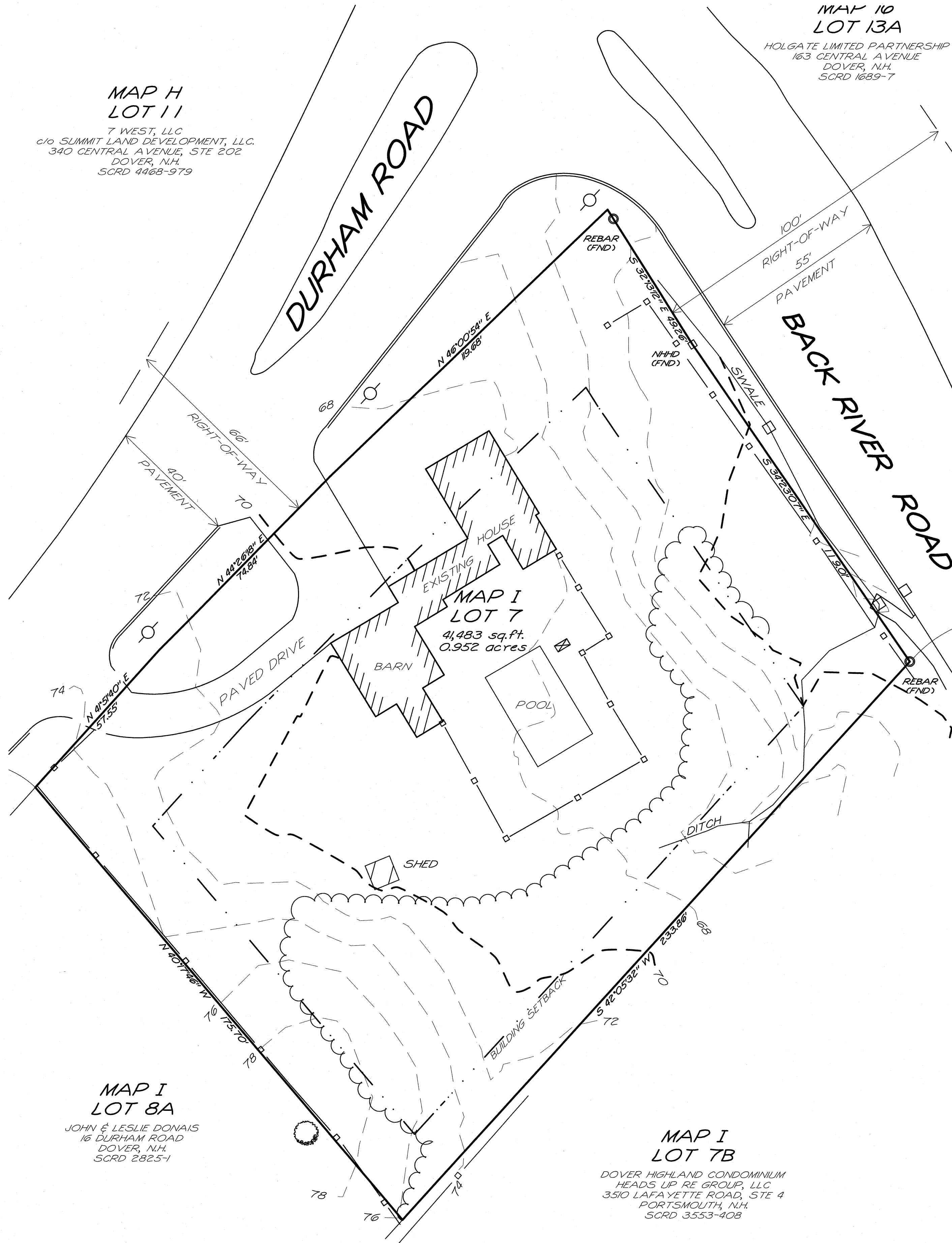
TRITECH
ENGINEERING CORPORATION

755 CENTRAL AVENUE
DOVER, NEW HAMPSHIRE 03820
TELEPHONE 603 742 8107
FAX 603 742 9830

N

TRITECH
ENGINEERING CORPORATION

MAP H
LOT 11
7 WEST, LLC
c/o SUMMIT LAND DEVELOPMENT, LLC.
340 CENTRAL AVENUE, STE 202
DOVER, N.H.
SCRD 4466-979

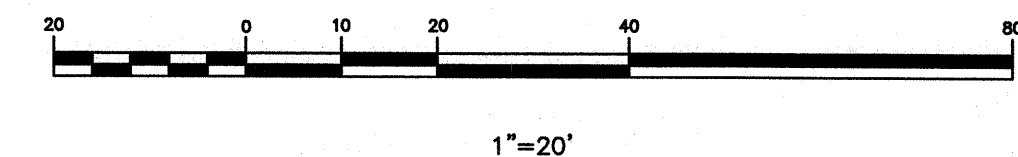


NOTES

- 1.) INTENT: TO SHOW THE EXISTING CONDITIONS OF DOVER TAX MAP 1 LOT 7.
- 2.) CURRENT OWNER: 10 DURHAM ROAD GROUP, LLC
278 WASHINGTON STREET
DOVER, N.H. 03820
- 3.) TOTAL AREA: 41,483 SQ.FT. = 0.952 ACRES
- 4.) TAX MAP 1 LOT 7
- 5.) PROJECT DEED REFERENCE: BOOK 4643 PAGE 739
- 6.) PROJECT PLAN REFERENCE: BOUNDARY LINE ADJUSTMENT PLAN
ROBERT & SALLY NAUMANN
AND JOHN & LESLIE DONAIS
DURHAM ROAD & BACK RIVER ROAD
DOVER, NEW HAMPSHIRE
TRITECH ENGINEERING CORPORATION
AUGUST 8, 2006 SCRD #67-66
- 7.) ZONING: R-20
MIN. LOT SIZE: 20,000 SQ.FT.
MIN. FRONTAGE: 150 FT
MIN. SETBACKS:
FRONT: 50 FT
SIDE: 20 FT
REAR: 20 FT
MAX LOT COVERAGE: 40 %
MAX BLDG. HEIGHT: 40 FT
- 8.) THE RAW UNADJUSTED CLOSURE OF OUR RANDOM POINT TRAVERSE WAS 1 PART IN 75,000, AND WAS ACCOMPLISHED BY TRITECH ENGINEERING USING A LEICA TC 703 TOTAL STATION, DURING THE MONTH OF JULY, 2006.
- 9.) SUBJECT PARCEL IS NOT WITHIN A FEDERALLY DESIGNATED SPECIAL FLOOD HAZARD ZONE (PANEL 0310E, MAP No. 33017C0320E, DATE: 9-30-2015).
- 10.) BASIS OF BEARING: DOVER GIS SYSTEM #108 & #109 WERE OCCUPIED TO DETERMINE DIRECTION AND LOCATION.
- 11.) WETLANDS WERE NOT MAPPED AS PART OF THIS PROJECT.
- 12.) ON FEBRUARY 21, 2019, THE CITY OF DOVER ZONING BOARD OF ADJUSTMENT VOTED TO GRANT A VARIANCE FROM SECTION 170-12.A OF THE ZONING ORDINANCE TO PERMIT AN OFFICE USE, WHERE OFFICES ARE NOT PERMITTED IN THE R-20 ZONING DISTRICT. THE VARIANCE WAS GRANTED FOR PROPERTY OWNED BY MICHELLE HUNT, LOCATED AT 10 DURHAM ROAD AND WITH THE FOLLOWING CONDITIONS:
1. THE APPLICANT OBTAIN TRC APPROVAL FOR ADDITIONAL PARKING AND COMPLETE ALL SITE IMPROVEMENTS PRIOR TO OCCUPANCY AS AN OFFICE.
2. TRC CONFIRMS EFFICACY OF VEHICLE ACCESS TO AND FROM THE SITE.

LEGEND

- METAL FENCE POST
- UTILITY POLE
- GRANITE CURBING
- TREE LINE
- STOCKADE FENCE
- TREE
- CATCH BASIN



TRITECH
ENGINEERING CORPORATION

765 CENTRAL AVENUE
DOVER, NEW HAMPSHIRE 03860
TELEPHONE 603 742 8107
FAX 603 742 9830

REVISIONS
DATE: DESCRIPTION:

EXISTING CONDITIONS PLAN

ARTHUR THOMAS PROPERTIES, LLC
DURHAM ROAD & BACK RIVER ROAD
DOVER, NEW HAMPSHIRE
AUGUST 15, 2019 JOB No. 19114
SCALE: 1" = 20'

SHEET NO.

EX-1

N

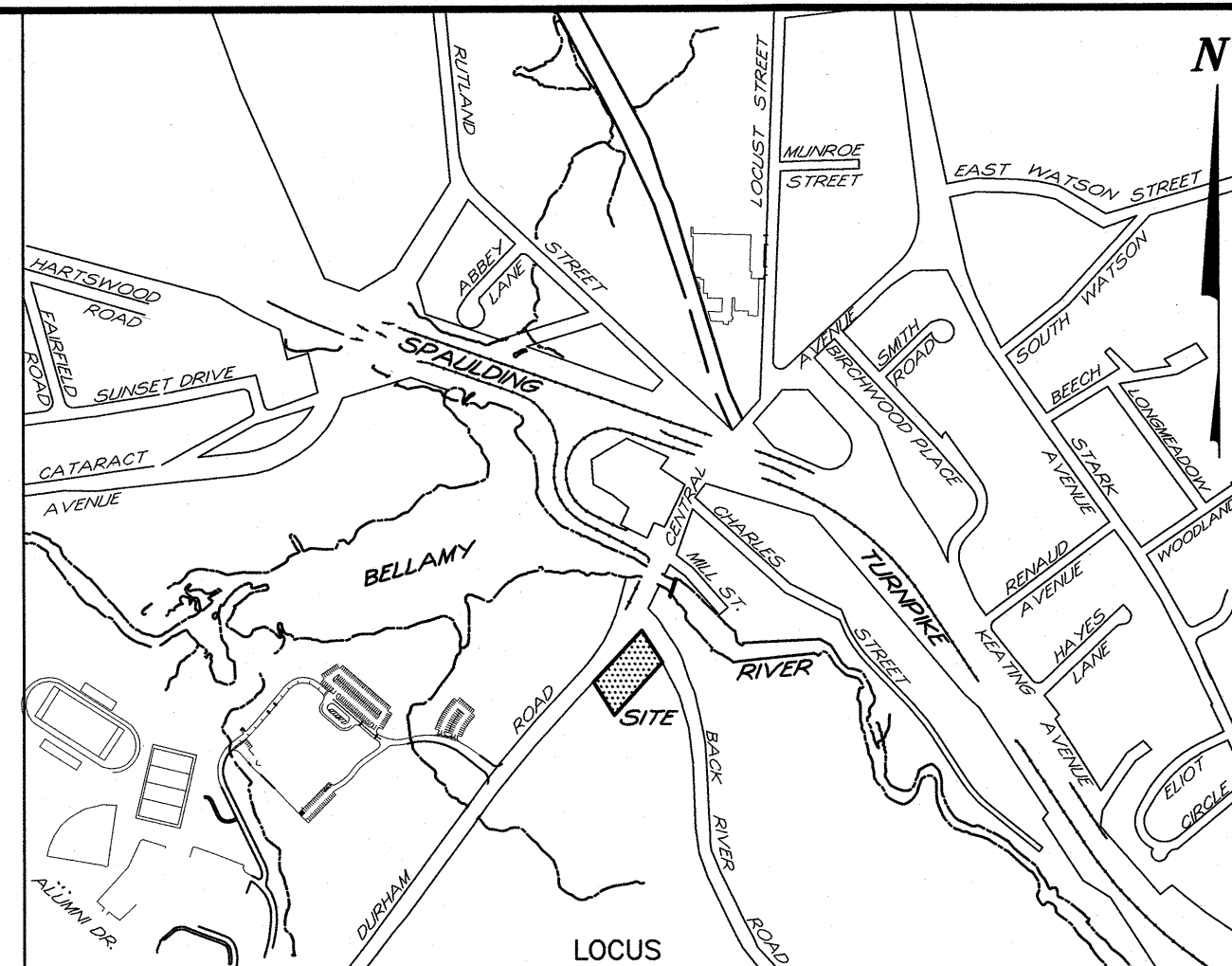
TRITECH
ENGINEERING CORPORATION

MAP H
LOT 11
7 WEST, LLC
c/o SUMMIT LAND DEVELOPMENT, LLC
340 CENTRAL AVENUE, STE 202
DOVER, NH
SCRD 4468-979

DURHAM ROAD

MAP 16
LOT 13A
HOLGATE LIMITED PARTNERSHIP
163 CENTRAL AVENUE
DOVER, NH
SCRD 1689-7

BACK RIVER ROAD



(NOT TO SCALE)

NOTES

- INTENT: THE APPLICANT IS PROPOSING TO CONVERT THE EXISTING HOUSE AT 10 DURHAM ROAD INTO OFFICE SPACE FOR THE ARTHUR THOMAS PROPERTIES, INC. REAL ESTATE OFFICE. THESE PLANS DETAIL THE PROPOSED SITE IMPROVEMENTS THAT ACCOMPANY THE PROJECT.
- CURRENT OWNER: 10 DURHAM ROAD GROUP, LLC
278 WASHINGTON STREET
DOVER, N.H. 03820
- TOTAL AREA: 41,483 SQ.FT. = 0.952 ACRES
- TAX MAP 1 LOT 7
- PROJECT DEED REFERENCE: BOOK 4643 PAGE 739
- PROJECT PLAN REFERENCE: BOUNDARY LINE ADJUSTMENT PLAN
ROBERT & SALLY NAUMANN
AND JOHN & LESLIE DONAIS
DURHAM ROAD & BACK RIVER ROAD
DOVER, NEW HAMPSHIRE
TRITECH ENGINEERING CORPORATION
AUGUST 8, 2006 SCRD #87-66
- ZONING: R-20
MIN. LOT SIZE: 20,000 SQ.FT.
MIN. FRONTAGE: 150 FT
MIN. SETBACKS:
FRONT: 50 FT
SIDE: 20 FT
REAR: 20 FT
MAX. LOT COVERAGE: 40 %
MAX. BLDG. HEIGHT: 40 FT
- THE RAW UNADJUSTED CLOSURE OF OUR RANDOM POINT TRAVERSE WAS 1 PART IN 75,000, AND WAS ACCOMPLISHED BY TRITECH ENGINEERING USING A LEICA TC 703 TOTAL STATION, DURING THE MONTH OF JULY, 2006.
- SUBJECT PARCEL IS NOT WITHIN A FEDERALLY DESIGNATED SPECIAL FLOOD HAZARD ZONE (PANEL 0310E, MAP No. 33017C0320E, DATE: 9-30-2015).
- BASIS OF BEARING: DOVER GIS SYSTEM #108 & #109 WERE OCCUPIED TO DETERMINE DIRECTION AND LOCATION.
- WETLANDS WERE NOT MAPPED AS PART OF THIS PROJECT.
- PARKING CALCULATION**

PARKING ALLOWED REAL ESTATE OFFICE TOTAL SQ.FT. 3,968 SQ.FT. 300	=14 SPACES
PARKING PROVIDED	=14 SPACES
- ON FEBRUARY 21, 2019, THE CITY OF DOVER ZONING BOARD OF ADJUSTMENT VOTED TO GRANT A VARIANCE FROM SECTION 170-12.A OF THE ZONING ORDINANCE TO PERMIT AN OFFICE USE, WHERE OFFICES ARE NOT PERMITTED IN THE R-20 ZONING DISTRICT, THE VARIANCE WAS GRANTED FOR PROPERTY OWNED BY MICHELLE HUNT, LOCATED AT 10 DURHAM ROAD AND WITH THE FOLLOWING CONDITIONS:
1. THE APPLICANT OBTAIN TRC APPROVAL FOR ADDITIONAL PARKING AND COMPLETE ALL SITE IMPROVEMENTS PRIOR TO OCCUPANCY AS AN OFFICE.
2. TRC CONFIRMS EFFICACY OF VEHICLE ACCESS TO AND FROM THE SITE.
- THE LOT IS SERVED BY MUNICIPAL WATER AND MUNICIPAL SEWER.
- ALL ON-SITE UTILITIES SHALL BE INSTALLED UNDERGROUND.
- THE FINAL SITE PLAN SHALL BE SUBMITTED IN A DIGITAL DXF FORMAT ON A TRANSFERABLE DISK TO THE CITY OF DOVER PLANNING DEPARTMENT'S OFFICE.
- THE FOLLOWING FEDERAL AND STATE PERMITS HAVE BEEN ISSUED FOR THE SUBJECT PROPERTY: NONE



1"=20'

LEGEND

- METAL FENCE POST
- UTILITY POLE
- GRANITE CURBING
- TREE LINE
- STOCKADE FENCE
- TREE
- CATCH BASIN
- PROPOSED BUILDING MOUNTED LIGHT
- PROPOSED SILT FENCE
- PROPOSED RIP RAP
- PROPOSED SLOPED GRANITE CURB
- PROPOSED FINISH CONTOUR
- PROPOSED SPOT GRADE

MAP I
LOT 8A
JOHN & LESLIE DONAIS
16 DURHAM ROAD
DOVER, NH
SCRD 2825-1

MAP I
LOT 7B

DOVER HIGHLAND CONDOMINIUM
HEADS UP RE GROUP, LLC
3510 LAFAYETTE ROAD, STE 4
PORTSMOUTH, NH
SCRD 3553-408

TRITECH
ENGINEERING CORPORATION

785 CENTRAL AVENUE
DOVER, NEW HAMPSHIRE 03820
TELEPHONE 603 742 8107
FAX 603 742 3830

REVISIONS
DATE: DESCRIPTION:

GENERAL SITE PLAN

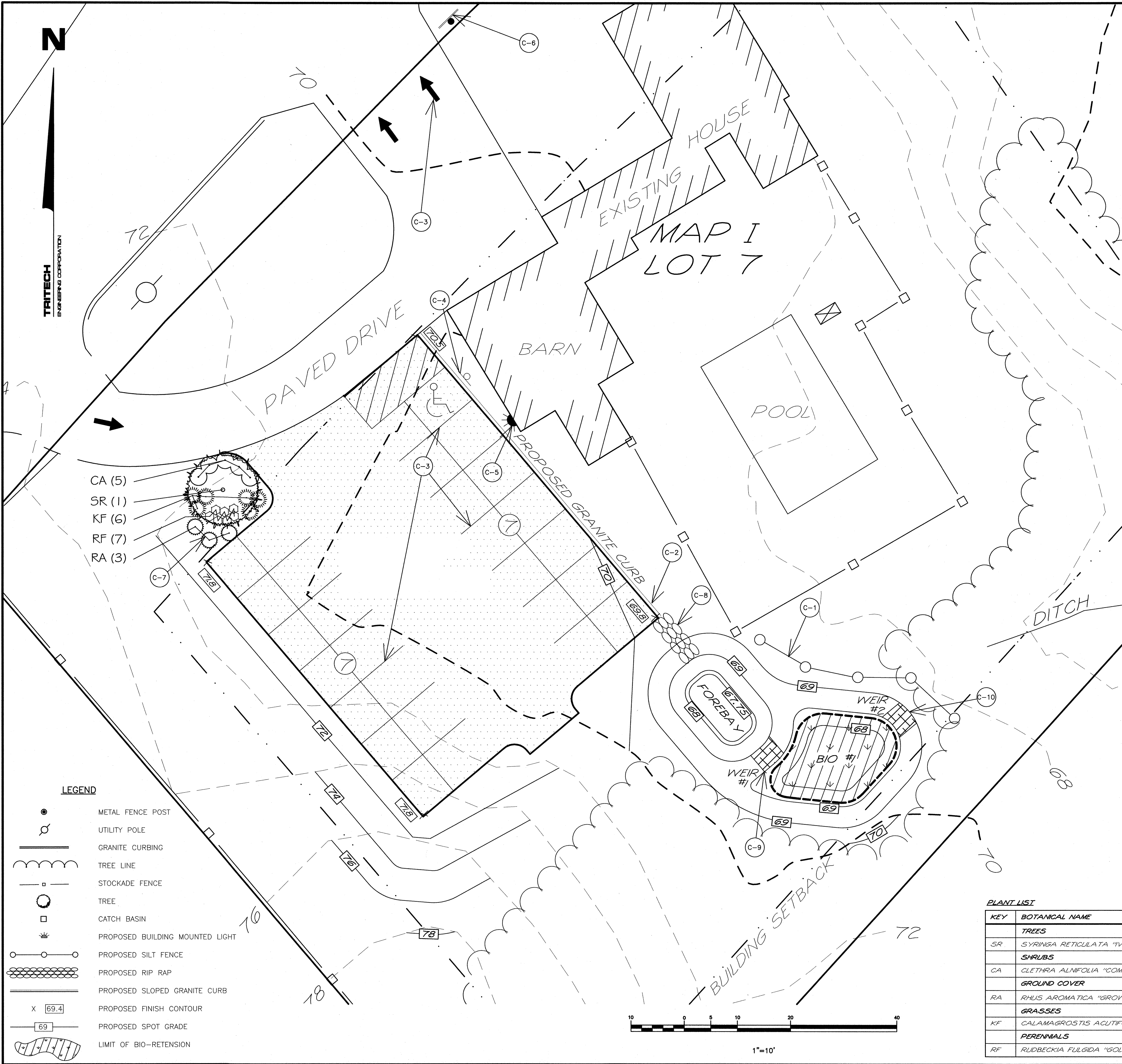
ARTHUR THOMAS PROPERTIES, LLC.
DURHAM ROAD & BACK RIVER ROAD
DOVER, NEW HAMPSHIRE

AUGUST 15, 2019
SCALE: 1" = 20'

JOB No. 19114

SHEET NO.

SP-1



- GC-1 GENERAL CONSTRUCTION NOTES:**
- THE CONTRACTOR IS REQUIRED UNDER NEW HAMPSHIRE LAW TO CONTACT "DIG SAFE" AT 1-800-225-4977, 72 HOURS PRIOR TO THE START OF CONSTRUCTION. THE CONTRACTOR SHALL MAINTAIN THE "DIG SAFE" LOCATIONS THROUGH OUT THE DURATION OF THE PROJECT. THE CONTRACTOR SHALL BEAR THE COST TO REPAIR ANY UTILITIES DAMAGED DURING THE COURSE OF THE WORK.
 - EXISTING UTILITIES - ALL INFORMATION ON, AND LOCATION OF, EXISTING UTILITIES ARE APPROXIMATE AND BASED ON FIELD INFORMATION AND AVAILABLE PLANS. EXACT LOCATIONS AND DEPTHS TO BE VERIFIED BY THE CONTRACTOR PRIOR TO CONSTRUCTION.
 - AS-BUILT PLANS OF THE SITE SHALL BE SUBMITTED ON PAPER AND IN DIGITAL FORMAT IN PDF AND AUTOCAD DWG, AUTOCAD DXF OR AN ESRI FORMAT TO THE CITY OF DOVER ENGINEER'S OFFICE UPON COMPLETION OF THE 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 NAD 83 AND SHALL BE EXPRESSED IN FEET.
 - ALL BACKFILL IN TRENCHES AND FILL FOR ROADBEDS SHALL BE THOROUGHLY COMPACTED TO 95 % OF OPTIMUM DENSITY.
 - TOPOGRAPHIC SURVEY PERFORMED BY TRITECH ENGINEERING CORPORATION JULY, 2019 AND ELEVATIONS ARE BASED ON U.S.G.S. DATUM.
 - A SECURITY SYSTEM SHALL BE INSTALLED AS REQUIRED BY CHAPTER 58, ARTICLE 1, SECTION 58-2 OF THE CODE OF THE CITY OF DOVER.
 - BUILDING/MAILING ADDRESSES SHALL BE ASSIGNED BY THE BUILDING OFFICIAL AT THE TIME OF ISSUANCE OF A BUILDING PERMIT.
 - EXTERIOR LIGHTING SHALL BE CUT-OFF TYPE FIXTURES PER CHAPTER 149-14-E AND SHALL PROVIDE LIGHTING DIRECTED ON-SITE ONLY.
 - TRASH REMOVAL WILL BE PROVIDED BY A PRIVATE REFUSE HAULING COMPANY.
 - COMMERCIAL VEHICLE ROUTES DURING CONSTRUCTION SHALL CONFORM WITH DOVER CITY CODE OR BE COORDINATED WITH THE COMMUNITY SERVICES DIRECTOR.
 - THE INSTALLATION OF ELECTRIC POWER, CABLE TELEVISION AND TELEPHONE LINES SHALL BE UNDERGROUND THROUGHOUT THE SITE FOR WHICH DEVELOPMENT IS PROPOSED.
 - THE OWNER SHALL RECORD AT THE STRAFFORD COUNTY REGISTRY OF DEEDS: DOCUMENTATION SUFFICIENT TO PROVIDE NOTICE TO SUCCESSORS IN TITLE THAT THIS PROPERTY IS SUBJECT TO THE REQUIREMENTS AND RESPONSIBILITIES DESCRIBED IN THE APPROVED STORMWATER MANAGEMENT PLAN.
 - THE LIMITS OF CONSTRUCTION DISTURBANCE THAT ARE LOCATED IN OR WITHIN THE 50 FOOT OF CONSERVATION AND WETLAND DISTRICTS SHALL BE STAKED, FLAGGED AND CLEARLY IDENTIFIED PRIOR TO ANY EARTH DISTURBING ACTIVITY OCCURS.
 - ALL TREATMENT SWALES TO BE CONSTRUCTED SHALL HAVE SOD BOTTOMS.
 - A LETTER OF CREDIT FOR THE COST OF REVEGETATING ALL DISTURBED AREAS ON THE SITE AND APPROVED CONSTRUCTION SIGN SHALL BE IN PLACE PRIOR TO ANY EARTH DISTURBING ACTIVITY.
 - 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.
 - SITE CONSTRUCTION HOURS SHALL BE LIMITED TO MONDAY-FRIDAY 7AM-6 PM AND SATURDAY 9AM-4PM. HOURS OF CONSTRUCTION MUST BE DOCUMENTED ON A SITE CONSTRUCTION SIGN ALONG WITH THE CONTACT INFORMATION FOR THE GENERAL CONTRACTOR. SAID SIGNAGE MUST BE LOCATED AND APPROVED BY THE CITY ENGINEER OR ASSISTANT CITY MANAGER.
 - ALL CONSTRUCTION SHALL CONFORM WITH THE STATE OF NEW HAMPSHIRE DEPARTMENT OF TRANSPORTATION (NHDOT) STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION" AND WITH THE CITY OF DOVER COMMUNITY SERVICES REGULATIONS AND STANDARD SPECIFICATION FOR CONSTRUCTION. THE MORE STRINGENT SPECIFICATION SHALL APPLY.
 - APPROVED BACKFLOW PREVENTERS SHALL BE PROVIDED FOR BOTH FIRE AND DOMESTIC WATER LINES.

- C-1 CONSTRUCTION NOTES:**
- INSTALL FILTER SOCK PER DETAIL 6, SHEET SP-3.
 - INSTALL SLOPED GRANITE CURB PER DETAIL 4, SHEET SP-3.
 - YELLOW OR WHITE PAVEMENT MARKINGS, SEE DETAIL 12, SHEET SP-3 FOR HANDICAP SYMBOL.
 - HANDICAP PARKING SIGN (1) PER DETAIL 8, SHEET SP-3.
 - INSTALL (1) BEGA MODEL 33542 WALL MOUNTED LIGHT FIXTURE. MOUNTING HEIGHT SHALL BE 10 FEET ABOVE FINISH GRADE.
 - INSTALL SIGN (1) "DO NOT ENTER", PER DETAIL 11, SHEET SP-3.
 - PLANT SITE LANDSCAPING PER PLANTING LIST, AND DETAIL 1, SHEET SP-3.
 - INSTALL RIP RAP PER DETAIL 9, SHEET SP-3.
 - INSTALL 5.0' WIDE BROAD CRESTED WEIR. PER DETAIL, SHEET SP-4
 - INSTALL 5.0' WIDE BROAD CRESTED WEIR. PER DETAIL, SHEET SP-4

PLANT LIST				
KEY	BOTANICAL NAME	COMMON NAME	QTY.	SIZE
TREES				
SR	SYRINGA RETICULATA "IVORY SILK"	IVORY SILK JAPANESE LILAC TREE	1	2 - 2.5" CAL.
SHRUBS				
CA	CLETHRA ALNIFOLIA "COMPACTA"	COMPACT SUMMERSWEET	5	#3
GROUND COVER				
RA	RHUS AROMATICA "GROW LOW"	GROW LOW SUMAC	3	#1
GRASSES				
KF	CALAMAGROSTIS ACUTIFOLIA "KARL FOERSTER"	KARL FOERSTER FEATHER REED GRASS	6	#2
PERENNIALS				
RF	RUDBECKIA FULGIDA "GOLDSTRUM"	GOLDSTRUM BLACK-EYED SUSAN	7	#1

TRITECH
ENGINEERING CORPORATION

765 CENTRAL AVENUE
DOVER, NEW HAMPSHIRE 03860
TELEPHONE 603 748 8107
FAX 603 748 3830

REVISIONS	DESCRIPTION:
DATE:	

GRADING & DRAINAGE PLAN

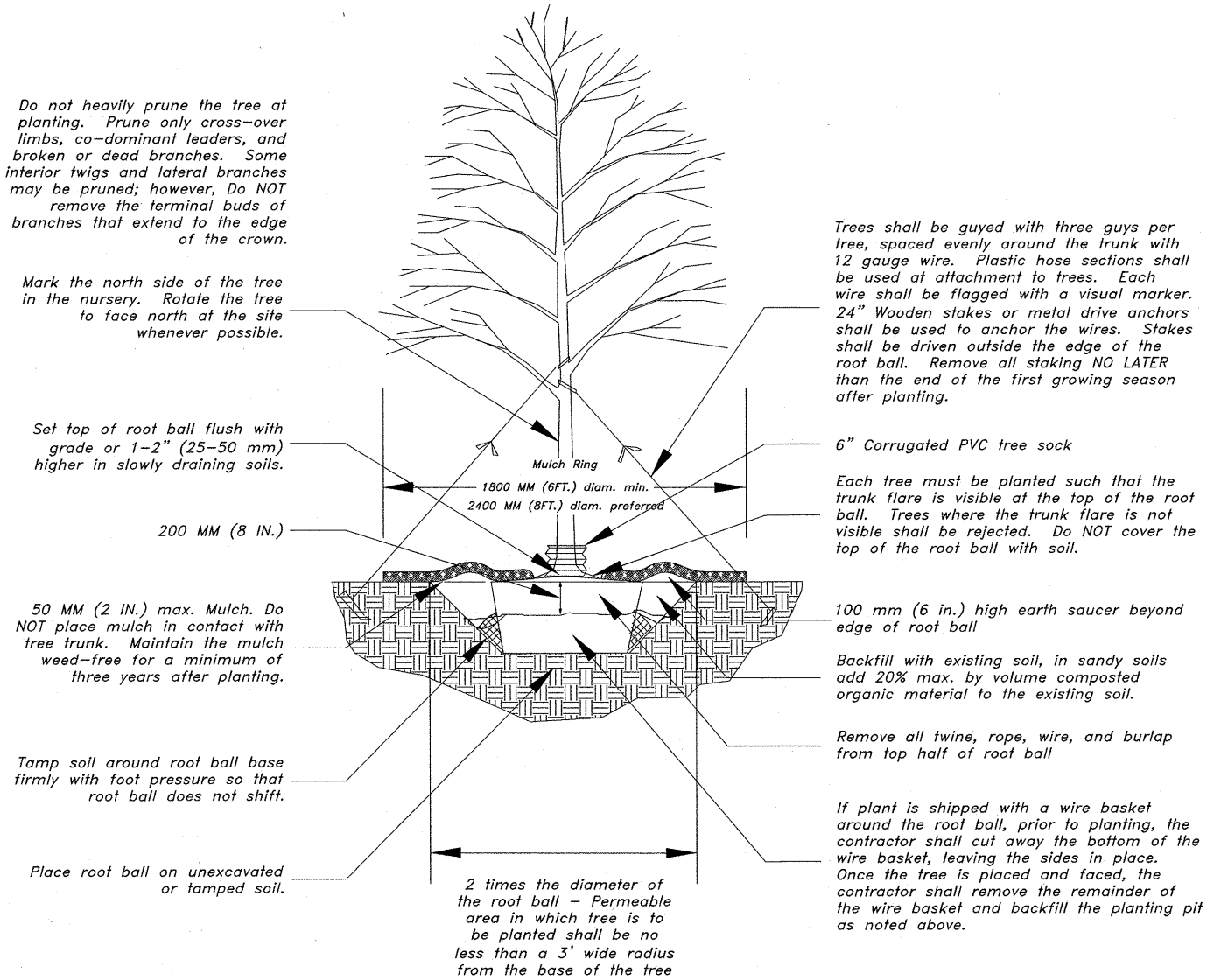
ARTHUR THOMAS PROPERTIES, LLC.
DURHAM ROAD & BACK RIVER ROAD
DOVER, NEW HAMPSHIRE
AUGUST 15, 2019
JOB No. 19114
SCALE: 1" = 10'

SHEET NO.

SP-2

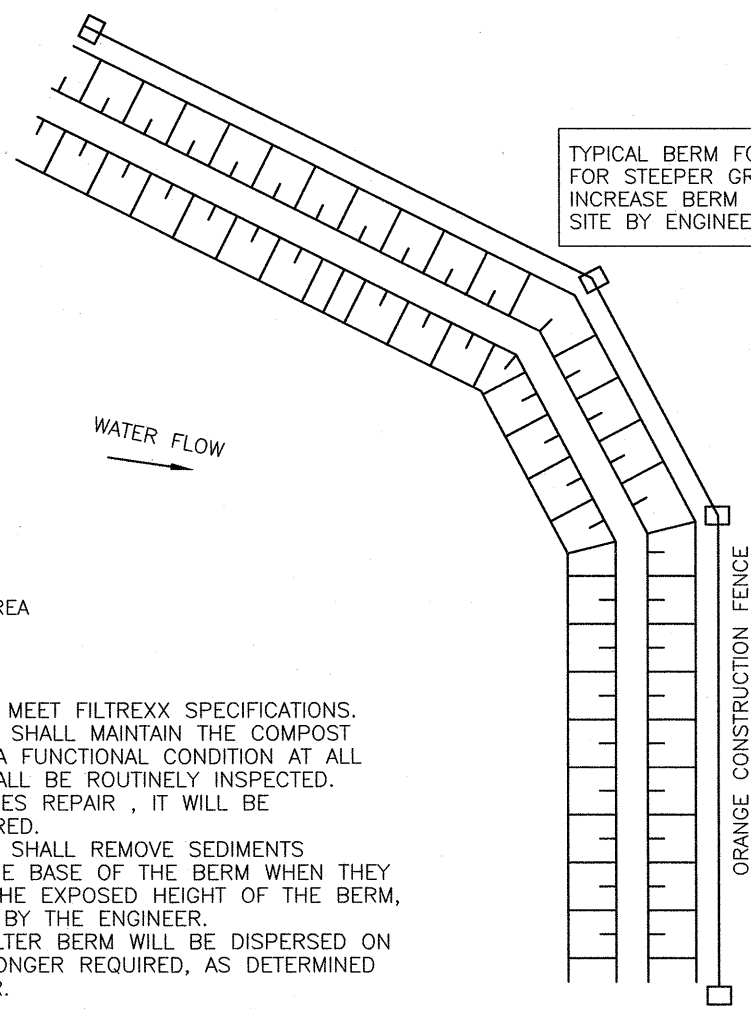
Landscape Notes

- Design is based on drawings and information from Tritech Engineering received 02/09/2015 and may require adjustment due to actual field conditions.
- The contractor shall follow best management practices during construction and shall take all means necessary to stabilize and protect the site from erosion.
- Erosion Control shall be in place prior to construction.
- Erosion Control to consist of Hay Bales and Erosion Control Fabric and shall be staked in place between the work and Water bodies and/or drainage ways prior to any construction.
- The Contractor shall verify layout and grades and inform the Landscape Architect or Client's Representative of any discrepancies changes in layout and/or grade relationships prior to construction.
- Plantings to remain within the construction zone shall be protected from damage for the duration of the project by snow fence or other suitable means of protection to be approved by Landscape Architect or Client's Representative. Do not fill or mulch on the trunk flare. Do not disturb roots. Snow fence shall be located at the drip line or at least 4' from shrubs and 10' from trees in all directions, whichever is greater, and shall include any and all surface roots. In order to protect the integrity of the roots, branches, trunk and bark of the tree(s) no vehicles or construction equipment shall drive or park in or on the area within the drip line(s) of the tree(s).
- Location, support, protection, and restoration of all existing utilities and appurtenances shall be the responsibility of the Contractor.
- The Contractor shall verify exact location and elevation of all utilities with the respective utility owners prior to construction. Call 800SAFE at 1-888-344-7233.
- The Contractor shall procure any required permits prior to construction.
- The Contractor shall furnish and plant all plants shown on the drawings and listed thereon. All plants shall be nursery-grown undisturbed conditions similar to those in the locality of the project. Plants shall conform to the botanical names and standards of size, culture, and quality for the highest grades and standards as adopted by the American Association of Nurserymen, Inc. in the American Standard of Nursery Stock, American Standards Institute, Inc. 230 Southern Building, Washington, D.C. 20005.
- All plants shall be legibly tagged with proper botanical name.
- The Contractor shall guarantee all plants for not less than one year from time of acceptance.
- Owner or Owner's Representative will inspect plants upon delivery for conformity to Specification requirements. Such approval shall not affect the right of inspection and rejection during the progress of the work. The Owner reserves the right to inspect and/or select plants at the place of growth and reserves the right to approve a representative sample of each type of shrub, herbaceous perennial, annual, and ground cover at the place of growth. Such sample will serve as a minimum standard for all plants of the same species in this work.
- No substitutions of plants may be made without prior approval of the Owner or the Owner's Representative for any reason.
- All landscaping shall be provided with either of the following
 - An underground sprinkling system
 - An outside hose attachment within 150 feet
- If automatic irrigation is installed, all irrigation valve boxes shall be located within planting bed areas.
- Contractor shall provide an alternate price for irrigating all newly landscaped areas. Contractor shall provide irrigation design review by Landscape Architect or Owner's Representative when awarded the project.
- All disturbed areas will be dressed with 4" of loam and planted as noted on the plans or seeded except plant beds. Plant beds shall be prepared to a depth of 12" with 75% loam and 25% compost.
- Trees, ground cover, and shrub beds shall be mulched to a depth of 2" with one-year-old, well-composted, shredded native bark not longer than 4" in length and 1" in width, free of woodchips and sawdust. Mulch for ferns and herbaceous perennials shall be no longer than 1" in length. Trees in lawn areas shall be mulched in a 5' diameter min. saucer.
- Owner is solely responsible for maintaining vehicular and pedestrian vision lines pertaining to vegetation growth.



Planting Detail
Scale: NTS

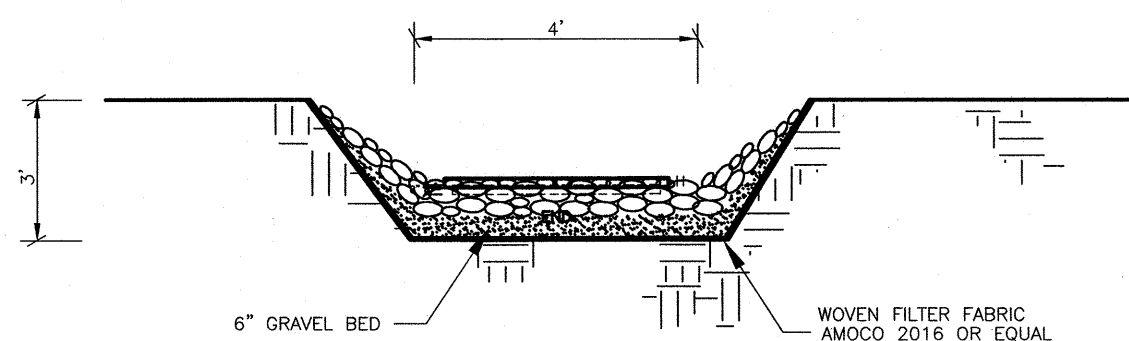
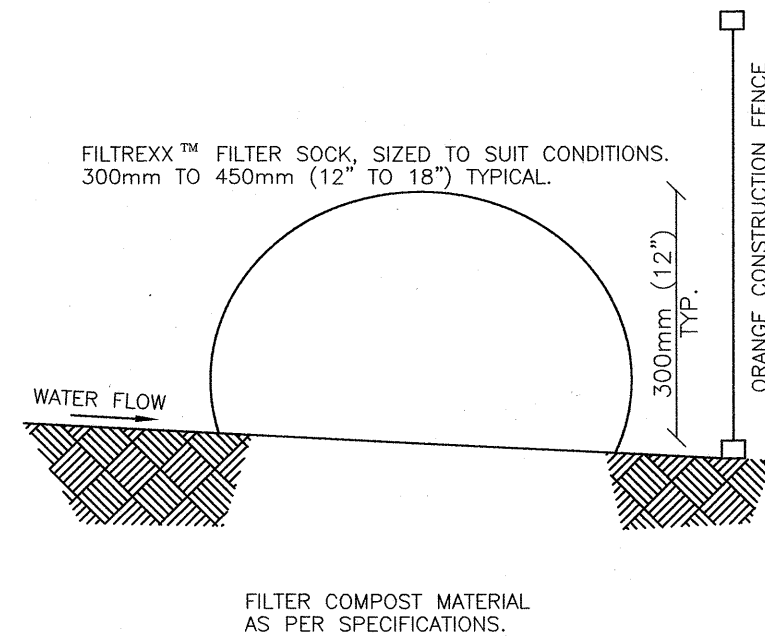
1 PLANTING DETAIL
NOT TO SCALE



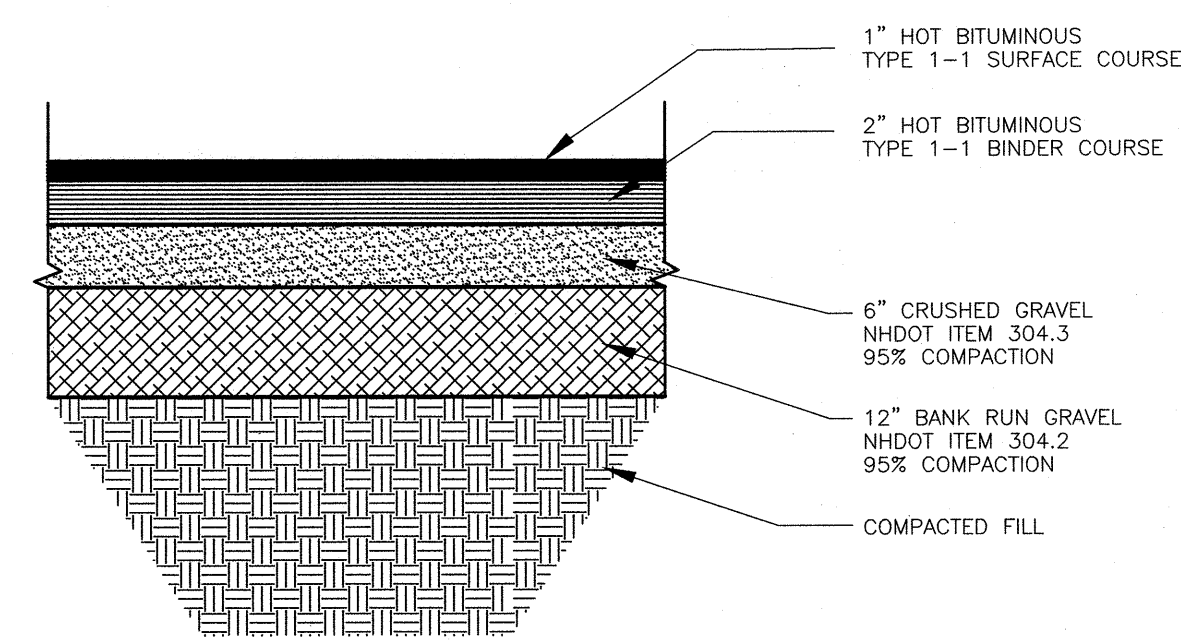
NOTES

- ALL MATERIAL TO MEET FILTREXX SPECIFICATIONS.
- THE CONTRACTOR SHALL MAINTAIN THE COMPOST FILTER BERM IN A FUNCTIONAL CONDITION AT ALL TIMES AND IT SHALL BE ROUTINELY INSPECTED.
- WHERE IT REQUIRES REPAIR, IT WILL BE ROUTINELY REPAIRED.
- 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.
- THE COMPOST FILTER BERM WILL BE DISPERSED ON SITE, WHEN NO LONGER REQUIRED, AS DETERMINED BY THE ENGINEER.

6 FILTREXX SOCK - SILT FENCE
NOT TO SCALE



10 RIPRAP SWALE DETAIL
NOT TO SCALE



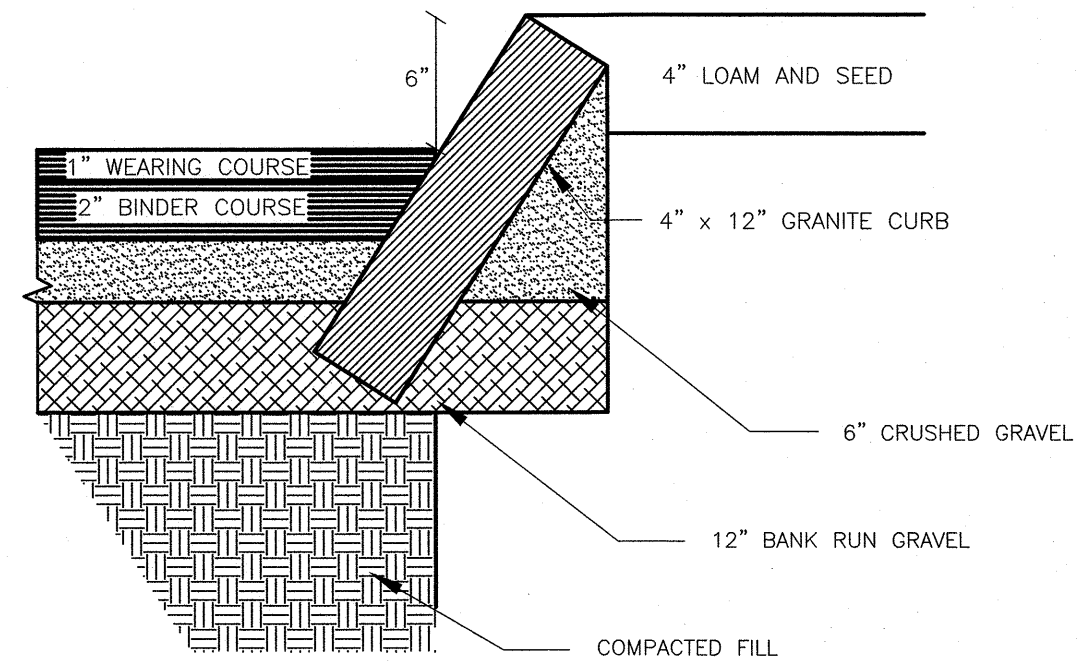
GENERAL MATERIALS NOTES - APPLIES TO ALL DETAILS UNLESS NOTED.

- MATERIALS & CONSTRUCTION METHODS SHALL CONFORM TO THE STATE OF NEW HAMPSHIRE STANDARD SPECIFICATIONS FOR ROAD & BRIDGE CONSTRUCTION.
- COMPACTED FILL UNDER PAVEMENT OR CONCRETE AREAS SHALL BE FREE OF ORGANIC MATERIAL & COMPACTED IN 6" LIFTS TO NOT LESS THAN 95% OPTIMUM DENSITY.
- BANK RUN GRAVEL SHALL BE:

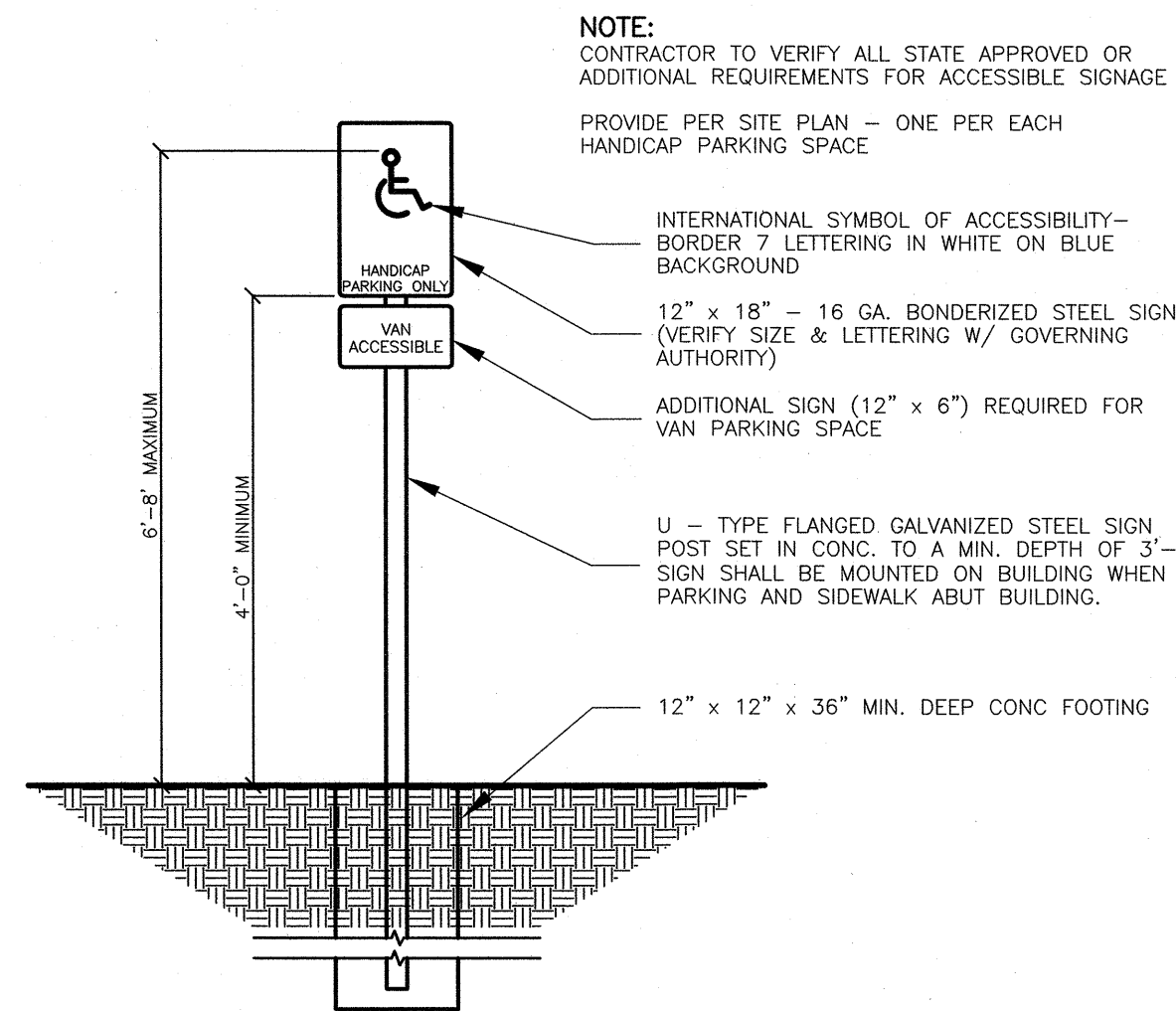
SIZE	PERCENT PASSING
#4	100%
#20	25 - 70%
#40	10 - 100%
#60	5 - 100%
#100	0 - 100%
#200	0 - 12%
- CRUSHED GRAVEL SHALL BE:

SIZE	PERCENT PASSING
#4	100%
#20	25 - 70%
#40	10 - 100%
#60	5 - 100%
#100	0 - 100%
#200	0 - 12%
- BASE COURSE OF PAVEMENT SHALL BE 3/4" DIA. TYPE 1-1 HOT BITUMINOUS CONCRETE (225 LBS/SQ.YD.)
- WEARING COURSE OF PAVEMENT SHALL BE 1/2" DIA. TYPE 1-1 HOT BITUMINOUS CONCRETE (115 LBS/SQ.YD.)

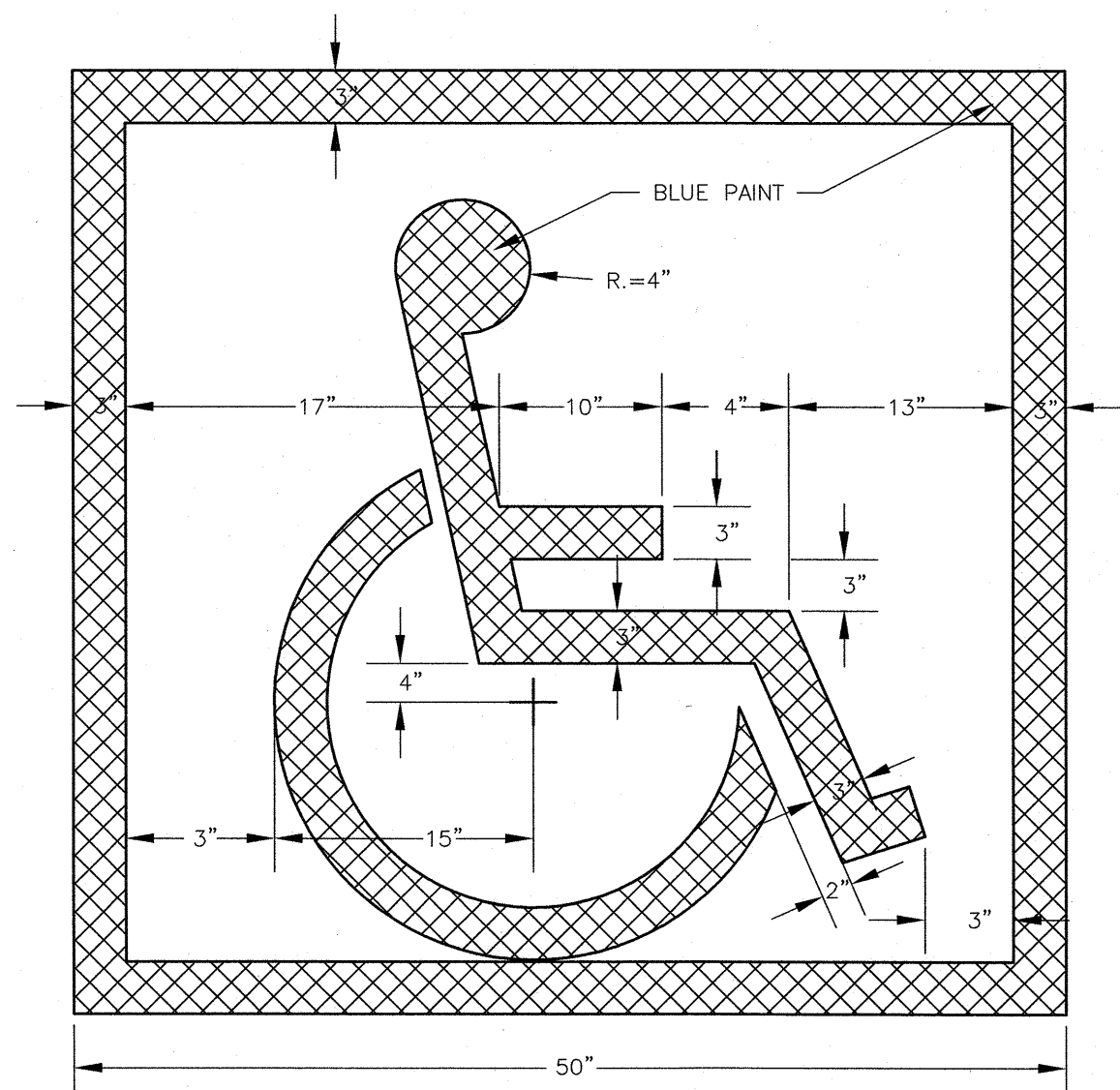
3 TYPICAL PAVEMENT SECTION
NOT TO SCALE



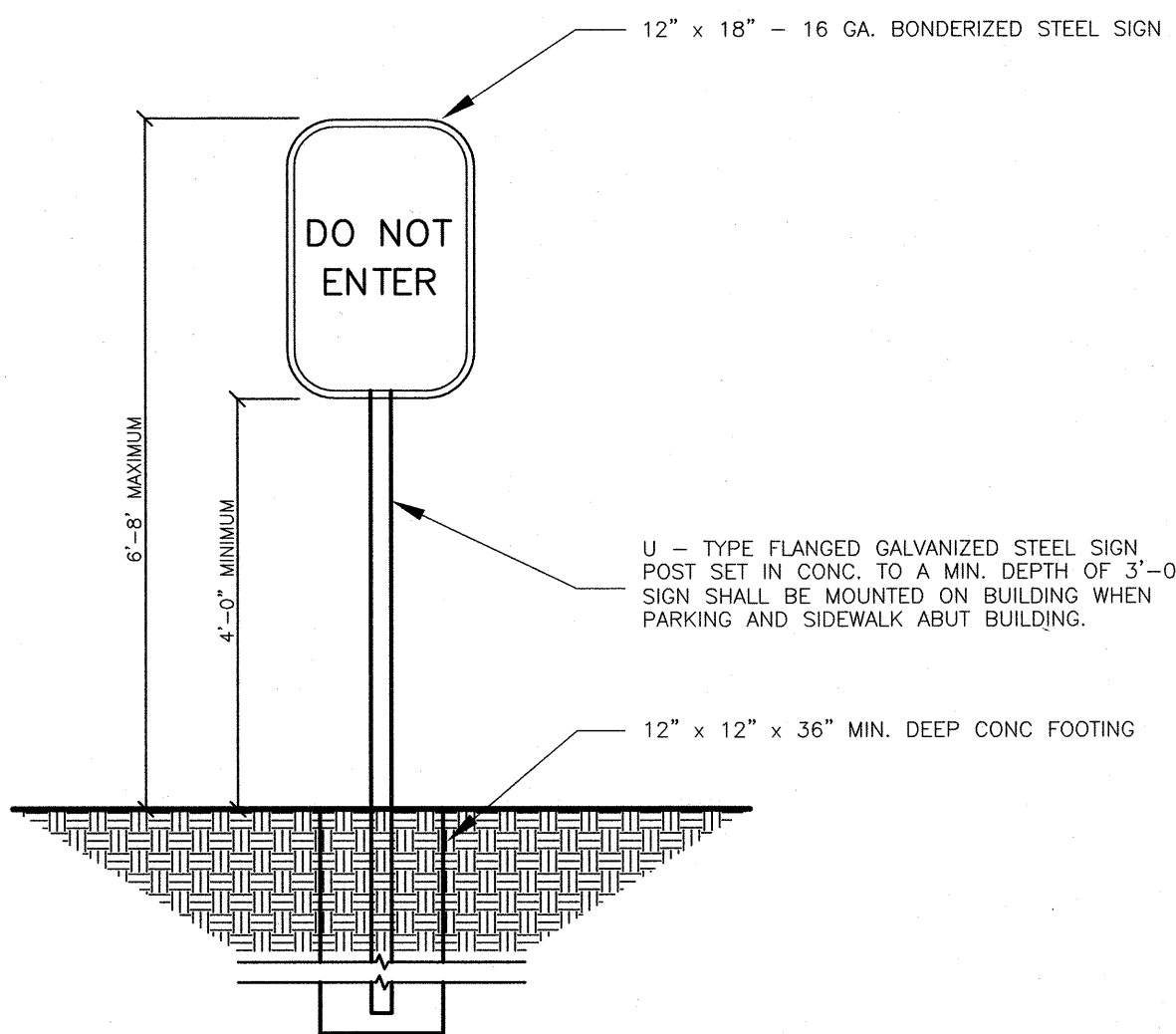
4 SLOPED GRANITE CURB SECTION
NOT TO SCALE



8 HANDICAP PARKING SIGN
NOT TO SCALE



12 HANDICAP SYMBOL DETAIL
NOT TO SCALE



11 CAUTION SIGN
NOT TO SCALE

9 NOT USED
NOT TO SCALE

CONSTRUCTION DETAILS

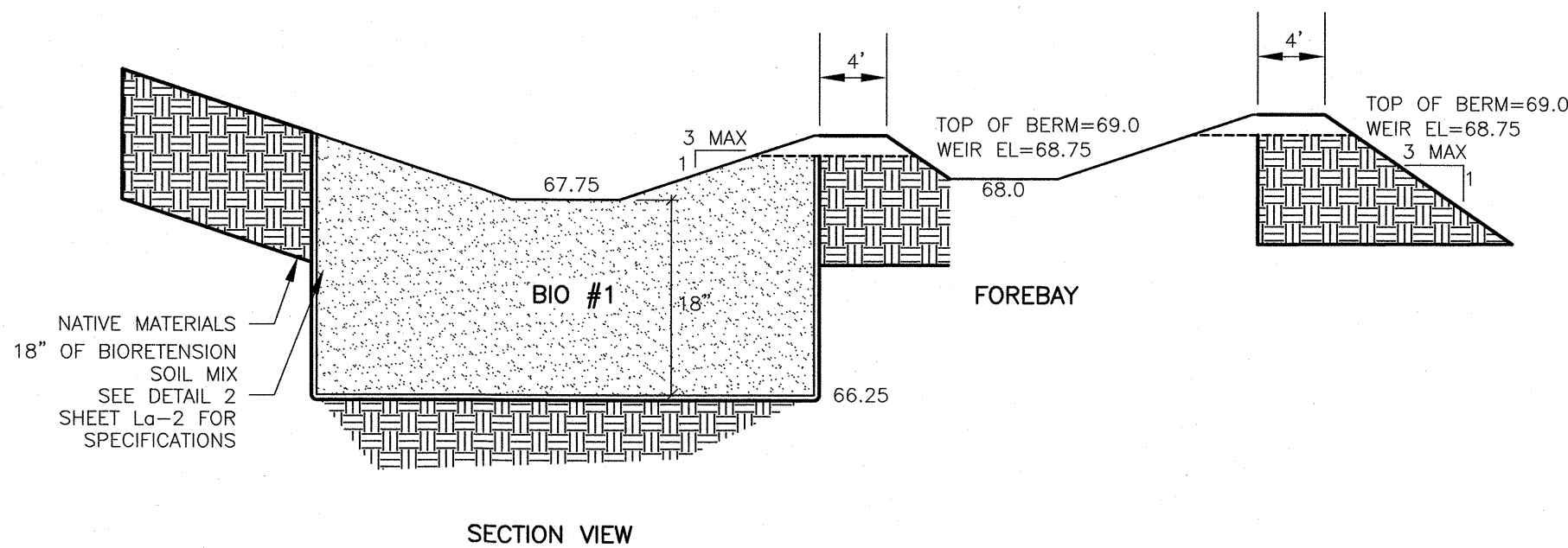
ARTHUR THOMAS PROPERTIES, LLC.
DURHAM ROAD & BACK RIVER ROAD
DOVER, NEW HAMPSHIRE

AUGUST 15, 2019

JOB No. 19114

SHEET No.

SP-3



1 BIORETENSION BASIN WITH WEIR OUTLETS
NOT TO SCALE

3 NOT USED
NOT TO SCALE

1. PARTICLE SIZE DISTRIBUTION BY SEPARATES:
- EXCLUDE ANY MATERIAL >4.76MM - 0%
 - VERY COARSE SAND/GRAVEL: GRAVEL (2.0 TO 4.76 mm) 5% MAXIMUM (% BY DRY WEIGHT)
 - SAND (0.42 TO 2.0 mm) 60 - 85% (% BY DRY WEIGHT)
 - SILT (0.075 TO 0.42 mm) 20% MAXIMUM (% BY DRY WEIGHT)
 - CLAY (LESS THAN 0.075mm) 5% MAXIMUM (% BY DRY WEIGHT)

ACCEPTABLE PARTICLE SIZE DISTRIBUTION OF FINAL BIORETENSION SOIL MIX:

SIEVE	% PASSING
#4	100
#10	95
#40	40 - 15
#200	10 - 20
#200	0 - 5

2. FRAGMENT SIZE DISTRIBUTION:
- STICKS AND ROOTS: SHOULD BE MINIMIZED AND PREFERABLY LIMITED TO NOTHING LARGER THAN 4.76mm
 - DEBRIS AND OTHER FOREIGN MATERIALS: SHOULD BE MINIMIZED
 - PERCENTAGE ORGANIC MATTER: MINIMUM 3% BY VOLUME AND MAXIMUM 8% BY VOLUME
 - SOIL REACTION: pH OF 6 TO 7
 - CEC OF TOTAL SOIL: MINIMUM 10 meq/100mL AT pH OF 7.0
 - BASIS-OF-DESIGN PRODUCT: SUBJECT TO COMPLIANCE WITH REQUIREMENTS INDICATED ON DRAWINGS
 - BASIC PROPERTIES: MANUFACTURED SOIL SHALL NOT CONTAIN THE FOLLOWING:
 - 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.
 - UNSUITABLE MATERIALS: STONES, ROOTS, PLANTS, GOD, CLAY LUMPS, AND POCKETS OF COARSE SAND THAT EXCEED A COMBINED MAXIMUM OF 5% BY DRY WEIGHT OF THE MANUFACTURED SOIL.
 - LARGE MATERIALS: STONES, CLODS, ROOTS, CLAY LUMPS, AND POCKETS OF COARSE SAND EXCEEDING 0.187 INCHES (4.76mm) IN ANY DIMENSION
 - ACCEPTABLE SOIL AMENDMENTS
 - NO COMPOST SHOULD BE USED IN THE PLANTING MIX
 - 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
 - WOOD DERIVATIVES: SHREDDED WOOD, WOOD CHIPS, GROUND BARK, OR WOOD WASTE; OF UNIFORM TEXTURE AND FREE OF STONES, STICKS, SOIL, OR TOXIC MATERIALS.
 - MEDIA AMENDMENTS SUCH AS ZERO-VALENT IRON AND/OR DRINKING WATER TREATMENT RESIDUALS (ALUM) TO ENHANCE PHOSPHORUS SORPTION AS SPECIFIED BY ENGINEER.

4 BIORETENSION 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, LIGHTLY 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. LIGHTLY 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, WATERING 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 DIRECTING STORM WATER TO THEM; SPECIFICALLY ALL BIORETENSION BASINS AND ALL INFILTRATION AREAS.

SEEDING LEGEND

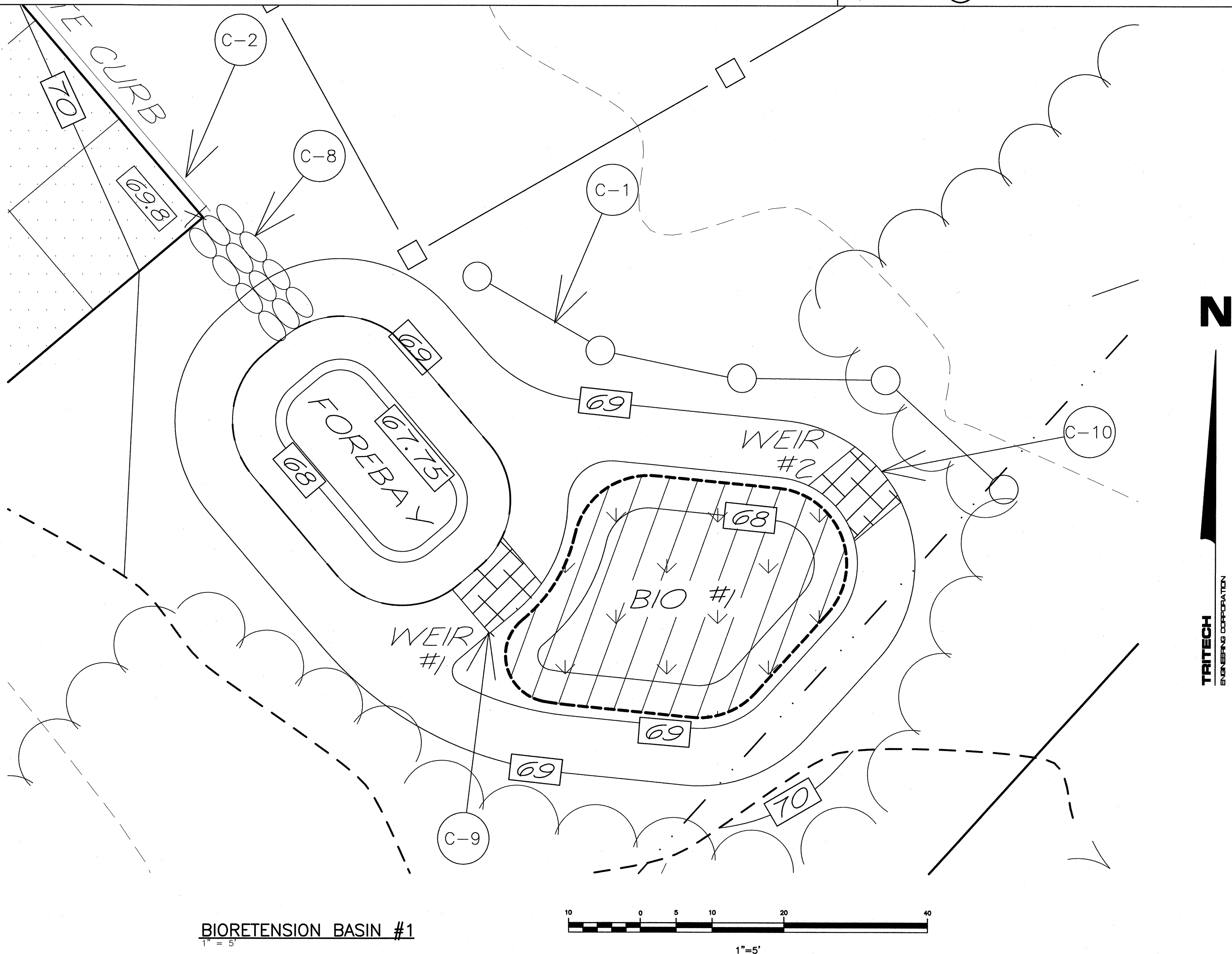
- ↓ ↓ ↓ ↓ ↓ - 50/50 BLEND OF NEW ENGLAND EROSION CONTROL/RESTORATION MIX FOR DRY SITES AND NEW ENGLAND EROSION CONTROL/RESTORATION MIX FOR DETENTION BASINS AND MOIST SITES.
- BOTH MIXES FROM NEW ENGLAND WETLAND PLANTS INC.
APPLY: 35 LBS/ACRE : 1250 SQ FT/LB
- - LIMITS OF BIORETENSION SOIL MIX

8 BIORETENSION SEEDING
NOT TO SCALE

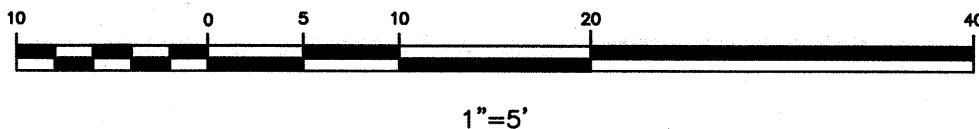
C-1 CONSTRUCTION NOTES:

- INSTALL FILTER SOCK PER DETAIL 6, SHEET SP-3.
- INSTALL SLOPED GRANITE CURB PER DETAIL 4, SHEET SP-3.
- YELLOW OR WHITE PAVEMENT MARKINGS, SEE DETAIL 12, SHEET SP-3 FOR HANDICAP SYMBOL.
- HANDICAP PARKING SIGN (1) PER DETAIL 8, SHEET SP-3.
- INSTALL (1) BEGA MODEL 33542 WALL MOUNTED LIGHT FIXTURE. MOUNTING HEIGHT SHALL BE 10 FEET ABOVE FINISH GRADE.
- INSTALL SIGN (1) "DO NOT ENTER", PER DETAIL 11, SHEET SP-3.
- PLANT SITE LANDSCAPING PER PLANTING LIST, AND DETAIL 1, SHEET SP-3.
- INSTALL RIP RAP PER DETAIL 9, SHEET SP-3.
- INSTALL 5.0' WIDE BROAD CRESTED WEIR. PER DETAIL, SHEET SP-4
- INSTALL 5.0' WIDE BROAD CRESTED WEIR. PER DETAIL, SHEET SP-4

12 CONSTRUCTION NOTES
NOT TO SCALE



BIORETENSION BASIN #1
1\"/>



TRITECH
ENGINEERING CORPORATION

REVISIONS
DATE: DESCRIPTION:

BIORETENSION & WEIR DETAILS

ARTHUR THOMAS PROPERTIES, LLC.
DURHAM ROAD & BACK RIVER ROAD
DOVER, NEW HAMPSHIRE
AUGUST 15, 2019 JOB No. 19114

SHEET No.

SP-4

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