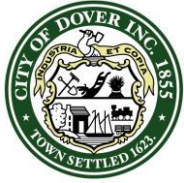


**CITY OF DOVER**

## DOVER CONSERVATION COMMISSION – AGENDA

Meeting Type: Regular Meeting  
Meeting Location: City Council Conference Room - 288 Central Avenue Dover NH  
Meeting Date: Monday, May 13, 2024  
Meeting Time: 5:30 pm

1. CALL TO ORDER AND ROLL CALL
2. CITIZEN’S FORUM
3. APPROVAL OF THE PRIOR MEETING MINUTES – April 8, 2024
4. OLD BUSINESS
5. NEW BUSINESS
  - A. City of Dover Conditional Use Permit for H. J. Stabile & Son, Inc (Owner: Double Diamond Holdings North, LLC), Assessor’s Map 15, Lot 40A-1, zoned G, located off of Fisher Street. Proposal is to construct a townhouse condominium complex creating 16,250 square feet of wetland buffer impact and 6,329 square feet of overlapping impact to the Conservation District.
  - B. City of Dover Conditional Use Permit for Unifil Granite State Gas Transmission (Owner: Dover Point Cooperative, Inc.), Assessor’s Map M, Lot 47-C, zoned R-12, located within Unifil’s existing right-of-way between the end of Gerrish Road and Dover Point Road. Proposal is to install a replacement section of gas pipe, replace the existing access road, and construct an above-ground station for pipeline inspection equipment creating 17,015 square feet of wetland impact.
  - C. FB Environmental Project Selection
  - D. Native Species Resolution Discussion
  - E. Conservation and Open Space Chapter Update
6. REPORT FROM THE CHAIR
  - A. Review of Correspondence Received From NH Department of Environmental Services
7. OTHER BUSINESS
  - A. Update from Forest Management Subcommittee
8. ADJOURNMENT



**CITY OF DOVER**

## DOVER CONSERVATION COMMISSION – MINUTES

Meeting Type: Regular Meeting  
Meeting Location: City Council Conference Room - 288 Central Avenue, Dover, NH  
Meeting Date: Monday, April 8, 2024  
Meeting Time: 5:30 pm

**MEMBERS PRESENT:** Bill Hunt (Chair), Steve Fellows (Vice Chair), Kristen Murphy, Jake Geddes  
**Absent (Excused):**, Amy Kramer Perry, Abigail Lyon, Robert Atwood (Secretary), Russ Warnock (Alternate)

**STAFF PRESENT:** Jackson Kaspari – Resilience Manager

**OTHERS PRESENT:** Autumn Scott, Sarah Large, Tom Fargo, Councilor Williams

### 1. CALL TO ORDER AND ROLL CALL

The meeting was convened at 5:30 PM.

### 2. CITIZENS' FORUM

None

### 3. APPROVAL OF THE PRIOR MEETING MINUTES- March 11, 2024

S. Fellows moved to approve the minutes of March 11 as submitted. K. Murphy seconded.

Vote: 3 yes with Geddes abstaining

### 4. OLD BUSINESS:

None

### 5. NEW BUSINESS:

**A. City of Dover Conditional Use Permit and NHDES Expedited Minimum Impact Wetlands Permit for Future Automation, Inc. (Owners: DBIDA), Assessor's Map D, Lot 11-8, zoned IT, located at Quality Way. Proposal is to construct a 24,856 square foot building and a 10,000 square foot building creating 39,820 square feet of wetland buffer impact and 1,631 square feet of wetland impact.**

Steve Haight, Civilworks Engineering represented the applicant and presented the item. The applicant has an existing facility on Venture Dr and is looking to purchase property from the City of Dover and expand their operation with two buildings on the lot. He highlighted details including:

- Wetland buffer areas
- Facility usage- light manufacturing
- DES permits
- Drainage
- Access
- No seasonal stream
- Landscaping plan
- The plan has been to TRC twice as well as Planning Board (minor changes required)

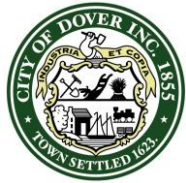
Questions of the committee were asked and answered regarding:

- Vernal pools
- Snow storage

J. Kaspari noted staff has worked with the applicant through the TRC process and he has no concerns.

- Property location/ details explained





**CITY OF DOVER**

## DOVER CONSERVATION COMMISSION – MINUTES

Meeting Type: Regular Meeting  
Meeting Location: City Council Conference Room - 288 Central Avenue, Dover, NH  
Meeting Date: Monday, April 8, 2024  
Meeting Time: 5:30 pm

S. Fellows commented that the site has limitations and the applicants are minimizing impact and doing what they can within the guidelines.

S. Fellows moved to endorse the conditional use permit application and NHDES application given the nature of the site and the applicants effort to address the CUP criteria. J. Geddes seconded. Vote: 4 yes.

Chair Hunt signed the Expedited Minimum Impact Wetlands Permit Application copies following the vote.

### **B. Natural Resources Inventory Project Update**

The goal of the project is to develop an inventory of Dover's natural resources to be used as a tool for land use boards, staff and public to utilize.

Autumn Scott, Strafford Regional Planning Commission updated and discussed the following with the Commission:

- Feedback and updates from first draft of the NRI
  - More time needed by the committee for review
- Surveys are live and responses are being received
- Conversation about integration with the master plan
- Optional studies to be included as supplement to the NRI
- Timeline discussion
- Brainstorming of ideas

### **C. Conservation and Open Space Chapter Update**

J. Kaspari updated the committee on this item including:

- On site conservation tour
- Lengthy discussion to categorize and rank inputs to emphasize the segments that need it
- No draft yet- should come by the end of the summer

## **6. REPORT FROM THE CHAIR**

### **A. Review of Correspondence Received from NH Department of Environmental Services**

Replacement work on two bridges coming up

## **7. OTHER BUSINESS**

### **A. Update from Forest Management Subcommittee**

S. Fellows reported on the latest discussion topics

- Pocket forest – search for location
  - Ideal location is if the City owns the land, but having trouble finding a location that works well for the pocket forest purpose.
- Street trees and future downtown redesign

## **8. ADJOURNMENT**

S. Fellows moved to adjourn. J. Geddes seconded. Vote: U/A

The meeting was adjourned at 6:43 PM.

2024.04.08\_ConservationCommission.

Document Created by: Planning Dept  
Posted: , 2024

Minutes  
Page 2 of 2

# **CIVILWORKS NEW ENGLAND**

181 WATSON ROAD  
P.O. BOX 1166  
DOVER, NH 03821-1166  
PHONE: 603.749.0443 FAX: 603.749.7348

---

May 6, 2024

City of Dover  
288 Central Ave  
Dover, NH 03820

Attn: Jackson Kaspari - Conservation Commission

Subject: Conditional Use Permit Application  
UPTOWN CROSSING – Residential Site Development  
Fisher Street - Tax Map 15, Lot 40A-1  
Civilworks New England Reference No. 22017

Mr. Kaspari:

On behalf of our client, H.J.Stabile & Son, Inc., we are pleased to submit the above referenced Conditional Use Permit application, and materials associated with a Site Plan Review application, for review by the Dover Conservation Commission. Provided is one (1) copy each of the following items. These items are also being provided digitally to the Planning Department office.

0. Cover Letter
1. Conditional Use Permit Application
2. Authorization Letters from All Parties
3. Project Narrative: Site Plan Review
4. Conditional Use Application: Wetland Buffer
5. Site Plan Set, including Landscape Plan, Architect Plans (11 x 17)

We look forward to representing this application at the Conservation Commission meeting on May 13, 2024. Please do not hesitate to contact our office should you have any questions.

Sincerely,



Stephen J Haight, PE

**CIVILWORKS NEW ENGLAND**



# City of Dover, New Hampshire CONDITIONAL USE PERMIT APPLICATION

[Revision Date: October 19, 2020]

|                 |              |       |                |       |
|-----------------|--------------|-------|----------------|-------|
| Office Use Only | Project #:   | _____ | Date Received: | _____ |
|                 | Amount Paid: | _____ | Time Received: | _____ |

## APPLICANT AND OWNER INFORMATION

Name of Applicant: H.J. Stabile & Son, Inc. Telephone # 603-889-0318 x-515

Address of Applicant: 20 Cotton Road, Suite 200 Nashua, NH 03063

E-Mail Address: eric@stabilecompanies.com

Name of Property Owner (if different from applicant): Double Diamond Holdings North, LLC Telephone # 603-749-0443

Address of Property Owner: 340 Central Avenue, Suite 202 Dover, NH 03821

Name & Address of Property Owner #2: Carmel A. Casey 36A Fisher Street Dover, NH 03820

## PROPERTY INFORMATION

Assessor's Map # 15 Lot(s) # 40A-1 (a portion of 15 / 40A & 51)

Address of Property: Fisher Street

Zoning District(s) G Overlay District(s) Dover Conservation District

Existing Use of Property: Vacant

## CONDITIONAL USE PERMIT INFORMATION

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

- |                                                                 |                                                         |                                                        |
|-----------------------------------------------------------------|---------------------------------------------------------|--------------------------------------------------------|
| <input checked="" type="checkbox"/> Conservation District       | <input type="checkbox"/> RCM Use Overlay District       | <input type="checkbox"/> Gateway District              |
| <input type="checkbox"/> Groundwater Protection                 | <input type="checkbox"/> Off-Street Parking and Loading | <input type="checkbox"/> Alternative Treatment Center  |
| <input checked="" type="checkbox"/> Wetland Protection District | <input type="checkbox"/> Central Business District      | <input type="checkbox"/> Heritage Residential District |

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

Construction of a townhouse condominium complex with associated grading will impact approximately 16,250 s.f. of the wetland buffer. Impact within the conservation district is 6,329 s.f. and falls completely within the wetland buffer area. No wetlands will be impacted by this project.

---

---

List Any Associated State or Federal Permits That Have Been or Will Be Applied For and Indicate Their Status: None Requested

Name of Professional That Prepared Plans: Stephen J. Haight, PE - Civilworks New England

Address P.O. Box 1166 Dover, NH 03821 Telephone #: 603-749-0443

Professional License #: NH PE # 7978 E-mail address: shaight@civilworksne.com

### SIGNATURES

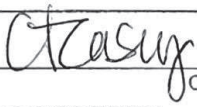
I/We hereby submit this application to the City of Dover Planning Board and attest that to the best of my knowledge all of the information on this application form and in the accompanying application materials and documentation is true and accurate. As applicant or as agent, I attest that I am duly authorized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

Signature of Property Owner: \_\_\_\_\_ Date: \_\_\_\_\_

Double Diamond Holdings North, LLC

Signature of Applicant (if different from owner):  Date: 10/25/23  
H.J. Stabile & Son, Inc.

Signature of Agent: \_\_\_\_\_ Date: \_\_\_\_\_

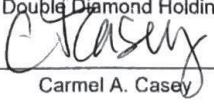
Signature of Property Owner #2:  Date: 10.25.23  
Carmel A. Casey

### 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: \_\_\_\_\_

for Double Diamond Holdings North, LLC

Signature of 2nd Property Owner:  Date: 10.25.23  
Carmel A. Casey

**PROJECT NARRATIVE**  
for  
**H.J. Stabile & Son, Inc.**  
**Site Plan Review & Conditional Use Permit**  
**UPTOWN CROSSING**  
**Residential Site Development**  
**Tax Map 15, Lot 40A-1**

**May 6, 2024**

---

**PROJECT OVERVIEW & SITE CHARACTERISTICS**

The parcel, Tax Map 15, Lot 40A-1, being 3.54 acres per a recently approved subdivision of Tax Map 15, Lot 40A. However, the site design is based on a future Lot Line Adjustment with an abutting parcel, Tax Map 15, Lot 51, which will bring the subject parcel to 3.91 acres as depicted on the Site Plan.

The proposed project is for the construction of 4 buildings consisting of a total of 21 townhouse condominiums with associated parking on a 3.91-acre undeveloped parcel of land located on the southerly side of Fisher Street opposite the intersection with Elm Street. The parcel is in the Gateway (G) District. All other parcels on the same side of the street between Locust Street and the Community Trail (old railroad bed) are zoned Heritage Residential (HR). All parcels directly opposite this section of Fisher Street, and on both sides of Elm Street north of Fisher Street, as well as the closest section of the westerly side of Locust Street or westerly side, fall within the HR zone. All adjacent parcels to the west and south of the subject parcel are within the G zone.

The proposed site will include public water and sewer connections, underground electric and communication services, natural gas service, and associated drainage improvements. A portion of grading, drainage, pavement, and building is proposed within the 50' wetland buffer and the 50' conservation buffer from a stream, with total impacts of 16,250 sf. The impact within the conservation buffer is wholly within the wetland buffer. (See Conditional Use Permit applications). There are no proposed impacts to any wetlands.

The project site consists of the following general improvements:

- Clear the site, as necessary, for construction.
- Construction of 4 buildings containing 21 townhouse condominiums with associated parking and landscaping.
- Construction of on-site stormwater detention and treatment system, grading, and other drainage requirements.
- Site utility construction & installation.
- Reconstruction and upgrade of the existing entrance on Fisher Street.
- Stabilize remaining areas with loam and seed.

**PROJECT NARRATIVE**  
for  
**H.J. Stabile & Son, Inc.**  
**Site Plan Review & Conditional Use Permit**  
**UPTOWN CROSSING**  
**Residential Site Development**  
**Tax Map 15, Lot 40A-1**

**May 6, 2024**

---

**DRIVEWAY AND PARKING LOT**

Access to the parcel is from Fisher Street. The driveway will be 24' wide with a 5' sidewalk on the west side connecting to the sidewalk on Fisher Street. Parking will consist of an 11-space parking lot and a single car garage for each of the 21 units, for a total of 32 spaces on site. The lighting will consist of pole mounted LED fixtures that are dark sky compliant. Each unit will also have wall mounted lighting which will also be dark sky compliant.

**WETLAND SETBACK IMPACT TYPE**

The project work requires a conditional use permit from the City of Dover. Approximately +/- 16,250 s.f. of the wetland buffer will be impacted, and approximately +/-6,329 s.f. impact to the Conservation District buffer along the stream. Note: The impact to the Conservation District completely overlaps with the wetland buffer. The project does not impact bogs, marshes, sand dunes, tidal wetlands, cedar swamps, undisturbed tidal buffer zone, or involve any work within 50 feet of a salt marsh. The project is not located within 100 feet of prime wetlands.

**DRAINAGE**

This is a hydrologic analysis of the subject parcel located on Fisher Street in Dover, NH. The 3.91± acre lot is identified as Tax Map 15, Lot 40A-1. This site was a former laydown yard for the City of Dover, a 45,000± s.f. compacted gravel area was created at that time. The site is partially compacted gravel, and the groundcover primarily consists of wooded vegetation with grassed areas along the edge of an unnamed drainageway. The parcel is bifurcated by the drainageway that runs east to west. It is bounded to the north by Fisher Street, to the west by the rail trail, to the east by residential development and to the south by undeveloped land. All drainage from the site discharges to a large stone railroad culvert beneath the rail trail, which is located on the south side of the site.

The project proposes 70,265± s.f. of disturbance including the construction of (4) multifamily residential townhomes and corresponding site improvements including site grading, paved parking, as well as stormwater quality and detention drainage improvements.

**PROJECT NARRATIVE**  
for  
**H.J. Stabile & Son, Inc.**  
**Site Plan Review & Conditional Use Permit**  
**UPTOWN CROSSING**  
**Residential Site Development**  
**Tax Map 15, Lot 40A-1**

**May 6, 2024**

---

An 8.5± acre watershed was used to effectively analyze the pre-development conditions, that incorporates offsite areas that drain directly onsite and that will be incorporated into the proposed onsite drainage improvements. The post development analysis has been divided into twelve (12) sub-catchments that discharge to the same point of analysis developed for the pre-development model. Sub-catchments model the areas of the site that are directed through proposed drainage structures, conveyances, water quality practices, and Ferguson Waterworks Rain Guardian. Stormwater conveyance consists of overland flow, a swale, pipes, and a closed drainage system. The project proposes bioretention ponds, drip edges, and porous pavement to meet water quality criteria and stone outlet aprons for energy dissipation. The analysis shows that with the mitigation measures proposed will have negligible impact on the watersheds.

## **TRAFFIC**

A traffic analysis report is pending.

## **UTILITIES**

The proposed project will connect to City of Dover water and sewer as well as Unitil for natural gas, and Eversource for electricity. Water, sewer, electric lines, and natural gas lines are currently located within Fisher Street. Building connections will be made per the City's Community Services Utility Division and Fire Department requirements and standards.



**CONDITIONAL USE NARRATIVE**  
**§170-27.1**  
**WETLAND PROTECTION DISTRICT**  
for  
**H.J. STABLE & SON, INC.**  
**UPTOWN CROSSING**  
**Residential Site Development**  
**Tax Map 15, Lot 40A-1**

F. Conditional use approval.

(1) Conditional use approval may be granted by the PLANNING BOARD (RSA 674:21II) after proper public notice and public hearing, for construction within the Wetland Protection District or buffer. Said construction may include but is not limited to a road or other accessway, utility right-of-way, communication lines, power lines and pipelines, STRUCTURES, and parking LOTs provided that the proposed construction complies with the following standards:

(a) Practicable Alternative: There is no practicable alternative that would have a less adverse impact on the area. **To maximize the development density for this location while providing all the required components, site layout of the proposed buildings and bio-retention basin keeps the impervious areas furthest from the wetlands but requires disturbance within the wetland buffer for typical grading around the bio-detention basin and the buildings to the rear. These areas will be graded and restored as a maintained lawn area, having a more favorable relationship with the nearby wetlands than an impervious parking area. The site design will not impact the wetlands.**

(b) Avoidance: The potential impacts have been avoided to the maximum extent practicable. The APPLICANT will demonstrate by plan and example that the proposed construction represents the least impacting alternative. **There are 16,250 sf of wetland buffer impacts associated with the proposed buildings, bio-detention basin, and grading for the project. The design incorporated the unique site characteristics including existing slope, depth to ledge, and soil type to minimize wetland buffer impacts. The buildings have been situated to provide for the drive aisle and parking areas to further reduce wetland buffer impacts.**

(c) Minimization: Any unavoidable impacts have been minimized. No reasonable Alternative to the proposed construction exists which does not impact a wetland, or which has less detrimental impact on a wetland. Design, construction, and maintenance methods will be prepared by a registered engineer to minimize detrimental impacts to the wetlands and will include restoration of the site as nearly as possible to its original grade. **There are 16,250 sf of wetland buffer impacts. All impacts have been minimized to the greatest extent practicable, including the use of a retaining wall along the bio-detention basin to help minimize grading within the wetland buffer. Increasing the slopes from 3:1 to 2:1 in the area of the bio-retention basin is not allowed per Env-Wq 1508.08(m) (5).**

(d) Mitigation: If the APPLICANT is required by State rules to prepare a compensatory mitigation plan, the APPLICANT shall provide the Conservation Commission and PLANNING BOARD with one copy each of said plan for their review. **Mitigation is not required.**

(e) Approval for the wetlands impact has been received from the NHDES Wetlands Bureau pursuant to Section G (3), below. **There will be no impact to any wetlands.**

(f) To assess and summarize the wetland's functions and values as denoted in the NH Method and Section 170.27.1 (B)(2) **The function of this wetland serves as a passage for runoff from Locust Street. The ditch serves the City of Dover's drainage system and provides value to the City of Dover by eliminating flooding on Locust Street, by allowing continuous stormwater flows. No changes are proposed to the wetland; therefore, this project prevents the destruction of and prevents significant changes to the wetland. The main function of these wetlands is augmenting stream flow and allowing unobstructed continued flow from Locust Street areas. Due to low soil conductivity and steady downstream flow, recharging to groundwater is limited. It is our opinion that this project complies with Section 170.27.1(B)(2).**

#### G. Specific provisions.

##### (1) Wetland Buffers.

(a) Buffers Established. Buffers are hereby established around and encircling all wetlands other than those that were created as legally permitted sedimentation/detention basins or roadside drainage ditches. The minimum width of the wetland buffers shall be fifty (50) feet horizontal distance as measured outward from the perimeter edge of the wetland. Wherever a permit to fill a wetland has been issued by either the New Hampshire Department of Environmental Services (NHDES) or the U.S. Army Corps of Engineers (USACOE), the perimeter of the wetland shall be deemed to be the new edge between the fill as placed in accordance with the permit and the remaining wetland. If there is no remaining wetland, there is no buffer. All other wetland edges shall be determined in accordance with Section D (1) above. **There will be no disturbance within the wetlands. A 50-foot wetland buffer is shown on the site plan, a portion of which will be impacted by the project design for buildings, a bio-detention basin, and associated grading.**

(b) Natural Conditions to be Maintained within Buffers. Where wetland buffer disturbance is allowed pursuant to a state or federal permit, or a conditional use permit, restoration of the disturbed area is required. Restoration is defined as filling ruts or excavated area with similar soils while maintaining original grade. Applications for a City of Dover BUILDING permit that includes a temporary disturbance of wetlands buffers, pursuant to Section G (1) (e) (iv) below, shall include a "Wetlands Buffer Encroachment and Restoration Plan." Said plan shall be submitted, reviewed, and approved by Building Inspector, in consultation with City staff, prior to the disturbance. Replanting to restore buffers shall be with native non-invasive species specified in the "Wetlands Buffer Encroachment and Restoration Plan". Implementation of the plan shall include the clear delineation of the boundaries of wetland buffers in the field using construction tape or other clear marking devise. Mowing to maintain an existing lawn or field within a wetland buffer area is allowed without a permit, as specified in Section G (1)(e), below, provided the roots of the vegetation are not disturbed and the ground is frozen or sufficiently dry to avoid making ruts. **The wetland buffer impact for this project will be primarily of a permanent nature as allowed by obtaining a Conditional Use Permit. Some areas**

**being impacted by typical grading around the buildings will be restored as much as is practical as a maintained lawn area.**

(c) Certain Uses Prohibited in Buffers. The following uses and activities are prohibited within a wetland buffer: DOVER CODE P 170-107 (i) The establishment or expansion of salt storage, JUNKYARDS, resource recovery facilities, transfer stations, landfills, or solid or hazardous waste facilities; (ii) The BULK storage of chemicals, petroleum products, or toxic and hazardous materials; (iii) The dumping or disposal of snow and ice collected from roadways and parking LOTs; **Not applicable.**

(d) Uses Allowed Only With a Conditional Use Permit. The following uses and activities are allowed within a wetland buffer only if a conditional use permit is obtained in accordance with Section F above: (i) All uses not specifically prohibited in Section G (1) (c) above, or specifically exempted in Section G (1) (e) below. (ii) The erection or construction of a BUILDING or STRUCTURE, excluding FENCES that meet the requirements of 170-33, or the construction of parking LOTs or loading areas. (iii) Timber harvesting, except as conducted in accordance with the terms and provisions of RSA 227-J, Timber Harvesting. (iv) The removal of stumps and roots (grubbing), the recontouring or grading of the land, or the placement of impervious surfaces or creation of storm water detention ponds. (v) The installation of water, sewer, or buried electrical or telecommunications cables. (vi) The installation of water-supply wells. **A Conditional Use Permit is being requested to allow for the buildings, bio-retention basin, associated grading within the wetland buffer for this project.**

(e) Uses Allowed Without a Conditional Use Permit. The following uses and activities are allowed within a wetland buffer with the noted conditions: (i) Activities within wetlands jurisdictional areas that are allowed without a State of New Hampshire Dredge and Fill Permit, in accordance with NHDES Rules Env-Wt 308.01(a) and 308.02 – repair of an existing legal STRUCTURE; or successor rules. (ii) The removal of vegetation in accordance with NHDES Rules Env-Wt 303.05(b), or successor rules, provided the roots of the vegetation are ZONING P 170-108 not disturbed and the ground is frozen or sufficiently dry to avoid making ruts. (iii) The installation of monitoring or test wells or geotechnical borings completed in accordance with NHDES Rules Env-Wt 309.02(i) or successor rules. (iv) Temporary disturbance of the wetland buffer to facilitate construction activities completed under a valid City of Dover BUILDING permit, provided the temporary disturbance is restored in accordance with Section G (1) (b) above. **Not applicable.**

(2) No septic tank or leach field may be constructed or enlarged closer than seventy-five (75) feet to any Wetland Protection District. In new subdivisions approved subsequent to adoption of this section, there must be sufficient LOT size to place a house, a state-approved septic system, where applicable, and a state-approved well, where applicable, without locating them in a wetland. This provision can be waived if a conditional use approval is obtained from the PLANNING BOARD. **Not applicable.**

(3) A state dredge and fill application shall be submitted for any proposed change to a wetland (RSA 482-A). **Not applicable.**

*Carmel A. Casey  
36A Fisher Street  
Dover, NH 03820*

October 25, 2023

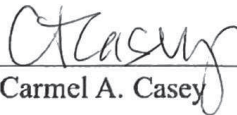
City of Dover  
288 Central Avenue  
Dover, NH 03820

Attn: Planning Board

Re: LETTER OF OWNER AUTHORIZATION  
Fisher Street Townhouse  
Fisher Street, Tax Map 15, Lot 40A-1  
(a portion of Tax Map 15, Lots 40A & 51)

I, Carmel A Casey, authorize Civilworks New England to represent all applications made on behalf of H.J.Stabile & Son, Inc (APPLICANT).to the City of Dover Planning Board and any other Dover Board or Committee, as well as any State of NH departments, as necessary, relative to the pursuit of approvals and permits for the development of the subject parcel.

Sincerely,

  
\_\_\_\_\_  
Carmel A. Casey

*Double Diamond Holdings North, LLC  
340 Central Avenue, Suite 200  
Dover, NH 03820*

October 25, 2023

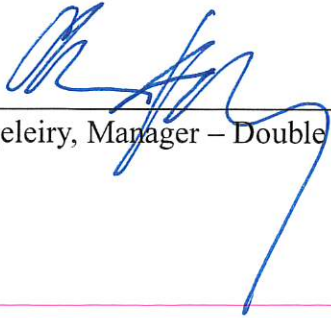
City of Dover  
288 Central Avenue  
Dover, NH 03820

Attn: Planning Board

Re: LETTER OF OWNER AUTHORIZATION  
Fisher Street Townhouse  
Fisher Street, Tax Map 15, Lot 40A-1  
(a portion of 15 / 40A & 51)

I, Chad Kageleiry, Manager of Double Diamond Holdings North, LLC, authorize Civilworks New England to represent all applications made on behalf of H.J. Stabile & Son, Inc (APPLICANT) to the City of Dover Planning Board and any other Dover Board or Committee, as well as any State of NH departments, as necessary, relative to the pursuit of approvals and permits for the development of the subject parcel.

Sincerely,



---

Chad Kageleiry, Manager – Double Diamond Holdings North, LLC

*H. J. Stabile & Son, Inc.  
20 Cotton Road, Suite 200  
Nashua, NH 03063*

October 25, 2023

City of Dover  
288 Central Avenue  
Dover, NH 03820

Attn: Planning Board

Re: LETTER OF APPLICANT AUTHORIZATION  
Fisher Street Townhouse  
Fisher Street, Tax Map 15, Lot 40A-1  
(a portion of Tax Map 15, Lots 40A & 51)

I, Eric Jackson of H. J. Stabile & Son, Inc., authorize Civilworks New England to represent us as APPLICANT for all applications made to the City of Dover Planning Board and any other Dover Board or Committee, as well as any State of NH departments, as necessary, relative to the pursuit of permits for the development of the subject parcel.

Sincerely,



---

Eric Jackson – Director of Acquisitions & Development

10/25/23



# UPTOWN CROSSING RESIDENTIAL SITE PLAN

TAX MAP 15, LOT 40A-1

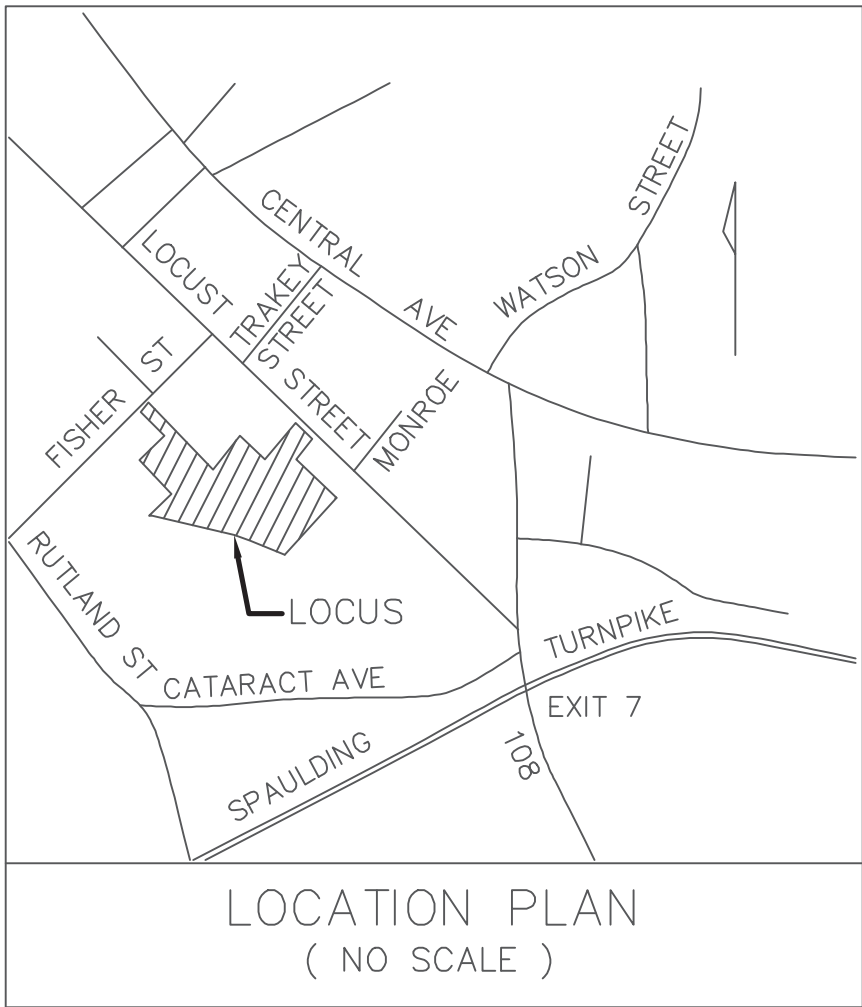
FISHER STREET

DOVER, NH

OCTOBER 26, 2023

REV: FEBRUARY 8, 2024

REV: MAY 6,2024



OWNER DOUBLE DIAMOND HOLDINGS NORTH, LLC.  
340 CENTRAL AVENUE, #202  
DOVER, NEW HAMPSHIRE 03820

APPLICANT H.J. STABILE AND SON, INC.  
20 COTTON AVE, #200  
NASHUA, NEW HAMPSHIRE 03863

SITE CIVIL ENGINEER **CIVILWORKS NEW ENGLAND**  
CIVIL & WATERFRONT ENGINEERING  
181 Watson Road, PO Box 1166  
Dover, New Hampshire 03821  
603.749.0443

LAND SURVEYOR MCENEANEY SURVEY ASSOCIATES OF NEW ENGLAND  
P.O. BOX 1166  
DOVER, NH 03820  
(603) 742-0911

ARCHITECT JAD DESIGN GROUP INC.  
P.O. BOX 728  
AMHERST, NH 03031  
(603) 554-1199

LANDSCAPE ARCHITECT JEFFREY R. HYLAND, LANDSCAPE ARCHITECT #00026  
IRONWOOD DESIGN GROUP, LLC  
PO BOX 873  
EXETER, NH 03822  
(603) 772-0590

WETLAND SCIENTIST BRUCE A. GILDAY, CWS #88  
BAG LAND CONSULTANTS  
43 ROCKINGHAM STREET  
CONCORD, NH 03301  
(603) 228-5775

\_\_\_\_\_  
DATE

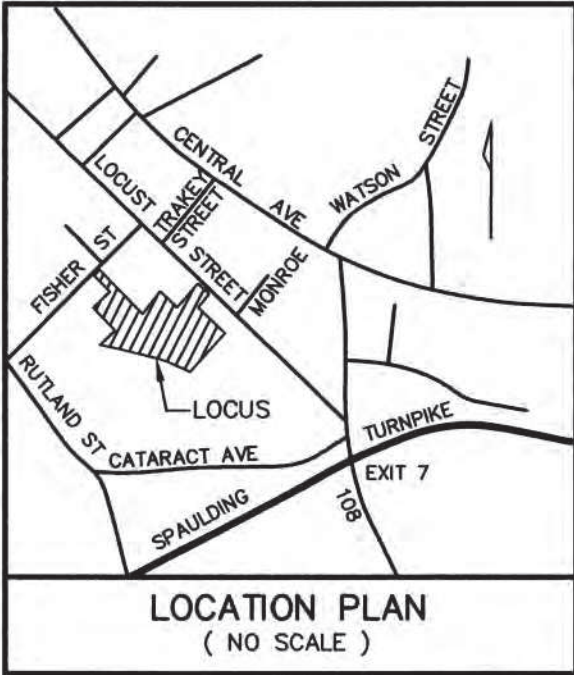
\_\_\_\_\_  
DATE

| <u>SHEET INDEX</u>                             | <u>SHEET</u> |
|------------------------------------------------|--------------|
| COVER SHEET                                    | 1            |
| NEIGHBORHOOD PLAN                              | 2            |
| EXISTING CONDITIONS PLAN (BY MCENEANEY SURVEY) | 3            |
| NOTE SHEET                                     | 4            |
| DEMOLITION PLAN                                | 5            |
| SITE PLAN                                      | 6            |
| GRADING, DRAINAGE & EROSION CONTROL PLAN       | 7            |
| LENOX DRIVE PLAN & PROFILE                     | 8            |
| UTILITY PLAN                                   | 9            |
| EROSION CONTROL NOTES                          | 10           |
| EROSION CONTROL DETAILS                        | 11           |
| DETAIL SHEETS                                  | 12-21        |
| LIGHTING PLAN                                  | 22           |
| LIGHTING DETAILS                               | 23           |
| DOVER LADDER TRUCK MOVEMENT PLAN               | 24           |
| CONDITIONAL USE PERMIT IMPACT PLAN             | 25           |
| <br><u>ARCHITECTURAL PLANS</u>                 |              |
| ARCHITECTURAL PLANS (BUILDING B)               | A1.1-A9.2    |
| ELEVATION PLANS (BUILDING D)                   | A2.1D-A2.3D  |
| <br><u>LANDSCAPE PLANS</u>                     |              |
| LANDSCAPE PLAN                                 | L1.0         |
| LANDSCAPE DETAILS                              | L2.0         |
| STREETSCAPE PLANS                              | 1-4          |









REFERENCE PLANS:

- BOUNDARY LINE ADJUSTMENT PLAN, DOUBLE DIAMOND HOLDINGS SOUTH, LLC AND DOUBLE DIAMOND HOLDINGS NORTH, LLC, CENTRAL AVENUE, LOCUST STREET AND FISHER STREET, DOVER, NEW HAMPSHIRE; SCALE: 1" = 60'; DATED: FEBRUARY 12, 2008, REVISED THROUGH 4/9/08; BY: TRITECH ENGINEERING CORPORATION; RECORDED S.C.R.D. PLANS 94-16 & 94-17.
- PLAN OF LAND PREPARED FOR MOORE BUSINESS FORMS, INC. TAX MAP 15, LOT No. 21 & 22, 23, 40A & 68, LOCUST AND FISHER STREETS, CITY OF DOVER, COUNTY OF STRAFFORD, STATE OF NEW HAMPSHIRE; SCALE: 1" = 50'; DATED: DECEMBER 9, 1999, REVISED THROUGH 1/20/05; BY: McNEANEY SURVEY ASSOCIATES, INC.; RECORDED S.C.R.D. PLANS 78-96 & 78-97.
- COMMUNITY TRAIL PHASE III, TAX MAP 15, LOTS 21-22 & 40A; SCALE: 1" = 20'; DATED: NOV. 2017, REVISED THROUGH 9/9/2019; BY: FUSS & O'NEILL; RECORDED S.C.R.D. PLANS 11976 & 11977.
- SUBDIVISION PLAN PREPARED FOR DOUBLE DIAMOND HOLDINGS NORTH, LLC AND CARMEL A. CASEY, TAX MAP 15, LOT No. 40A, FISHER STREET, CITY OF DOVER, COUNTY OF STRAFFORD, STATE OF NEW HAMPSHIRE; SCALE: 1" = 40'; DATED: JULY 12, 2022; BY: THIS OFFICE.
- LOT LINE ADJUSTMENT PLAN PREPARED FOR DOUBLE DIAMOND HOLDINGS NORTH, LLC AND CARMEL A. CASEY, TAX MAP 15, LOT Nos. 40A-1 & 51, FISHER STREET, CITY OF DOVER, COUNTY OF STRAFFORD, STATE OF NEW HAMPSHIRE; SCALE: 1" = 40'; DATED: OCTOBER 25, 2023; BY: THIS OFFICE.

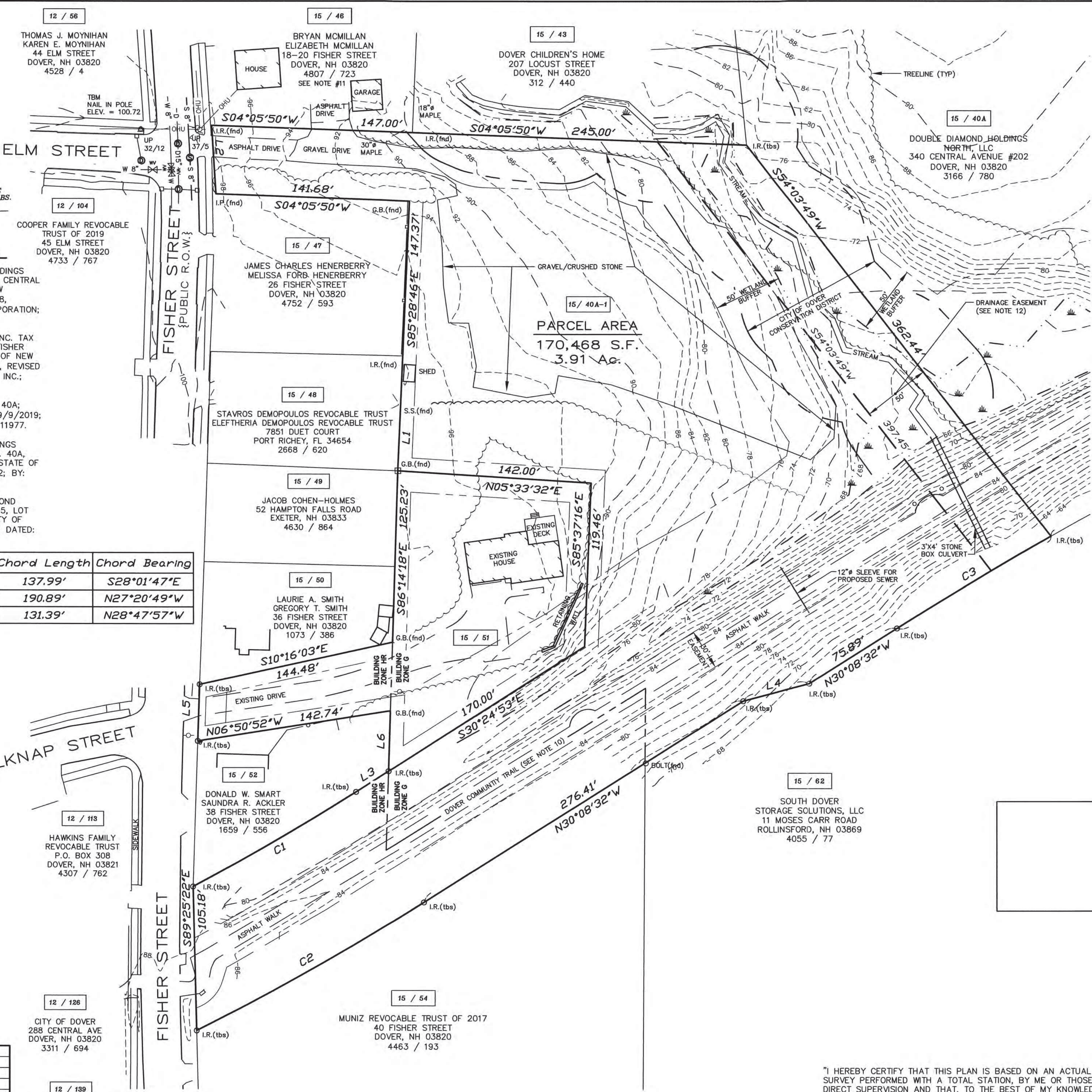
| No. | Central Angle | Radius   | Arc Length | Chord Length | Chord Bearing |
|-----|---------------|----------|------------|--------------|---------------|
| C1  | 4°14'33"      | 1864.00' | 138.02'    | 137.99'      | S28°01'47"E   |
| C2  | 5°35'27"      | 1957.00' | 190.97'    | 190.89'      | N27°20'49"W   |
| C3  | 2°41'09"      | 2803.00' | 131.40'    | 131.39'      | N28°47'57"W   |

| No. | Bearing     | Distance |
|-----|-------------|----------|
| L1  | S85°28'46"E | 50.00'   |
| L2  | N88°23'57"E | 50.25'   |
| L3  | N30°24'53"W | 28.22'   |
| L4  | N12°41'05"W | 50.00'   |
| L5  | S86°03'39"E | 41.38'   |
| L6  | S86°14'18"E | 44.05'   |

LEGEND

I.R.(fnd) - IRON ROD FOUND  
I.P.(fnd) - IRON PIPE FOUND  
S.S.(fnd) - STEEL STAKE FOUND  
G.B.(fnd) - GRANITE BOUND FOUND  
UP - UTILITY POLE  
ELEV. - ELEVATION  
56 - CONTOUR LINE - 2' INTERVAL  
EOP - EDGE OF PAVEMENT  
S.F. - SQUARE FEET  
Ac. - ACRE  
(TYP.) - TYPICAL  
± - MORE OR LESS  
S.C.R.D. - STRAFFORD COUNTY  
REGISTRY OF DEEDS  
- - - - - WETLAND LINE

| NO.                  | DATE | DESCRIPTION | BY                | CHK   |
|----------------------|------|-------------|-------------------|-------|
| CNE #22017 REVISIONS |      |             |                   |       |
| 23-2511              |      | EXIST.COND. | 21-10             | 64-72 |
| PROJECT NO           |      | TYPE        | FIELDBOOK & PAGES |       |

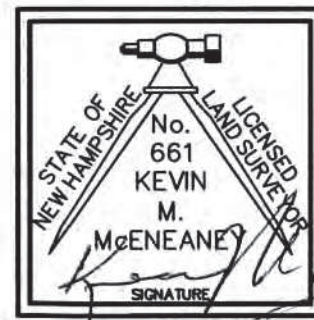


EXISTING CONDITIONS PLAN

FOR  
UPTOWN CROSSING  
TAX MAP 15, LOT No. 40A-1  
FISHER STREET  
CITY of DOVER  
COUNTY of STRAFFORD  
STATE of NEW HAMPSHIRE

DOVER PLANNING FILE No. SITE-2023-0015

DRAWN BY: KJP FILE: MSA\2511\DWG\23-2511  
SCALE: 1" = 40' DATE: MAY 6, 2024



McNeaney  
Survey  
Associates  
of NEW ENGLAND

P.O. Box 1166 - 181 WATSON ROAD  
DOVER, NH 03820 (603) 742-0911

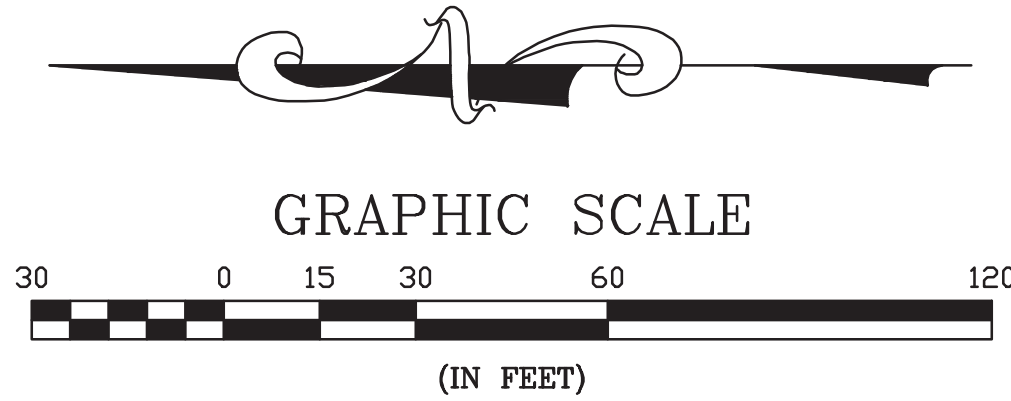
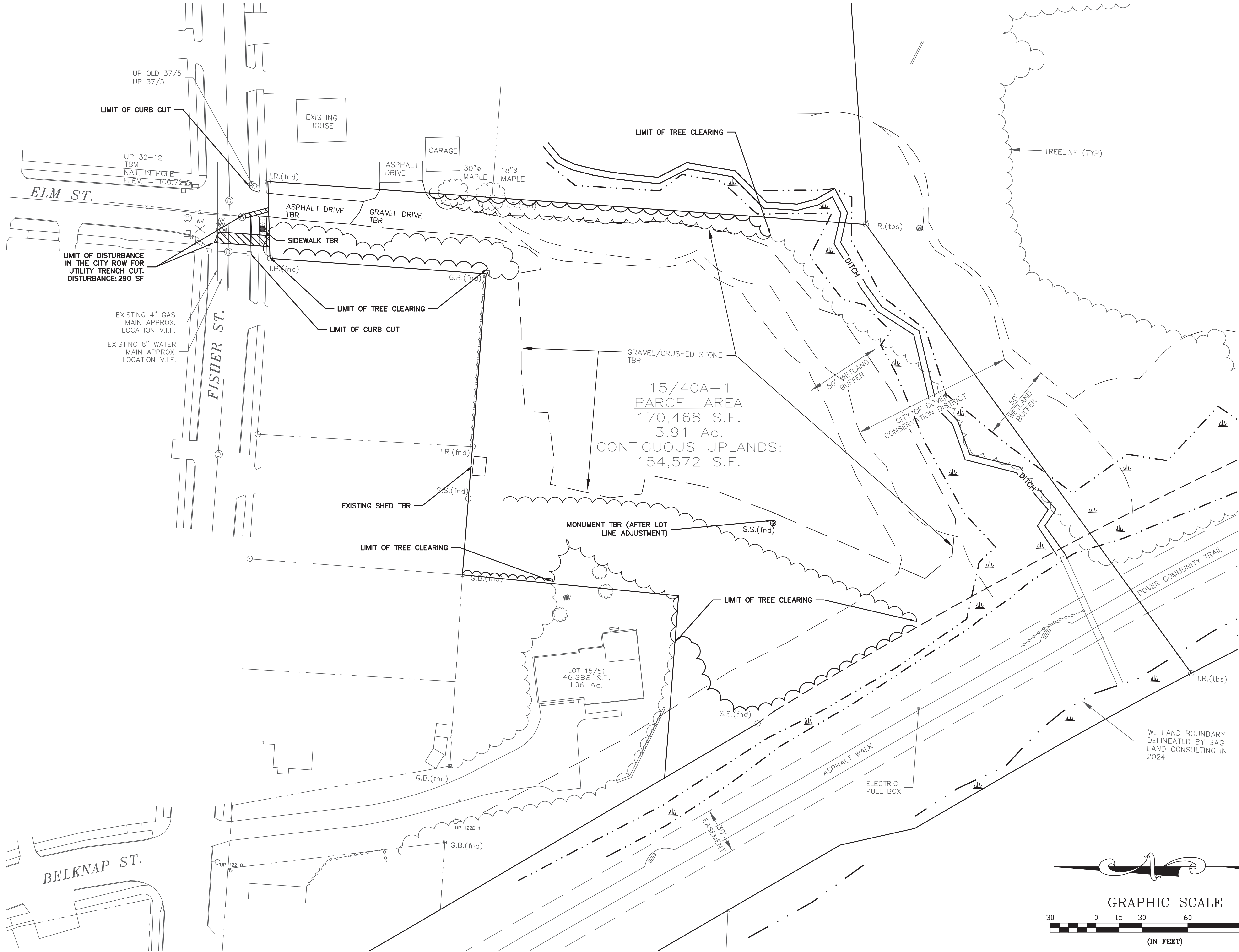
SURVEYING - PLANNING - CONSULTING

"I HEREBY CERTIFY THAT THIS PLAN IS BASED ON AN ACTUAL GROUND SURVEY PERFORMED WITH A TOTAL STATION, BY ME OR THOSE UNDER MY DIRECT SUPERVISION AND THAT, TO THE BEST OF MY KNOWLEDGE AND BELIEF, SAID SURVEY MEETS OR EXCEEDS THE MINIMUM PRECISION REQUIREMENTS FOR SURVEY CLASSIFICATION "U" AS SET FORTH IN TABLE 500.1 OF THE NEW HAMPSHIRE CODE OF ADMINISTRATIVE RULES OF THE BOARD OF LICENSURE FOR LAND SURVEYORS."



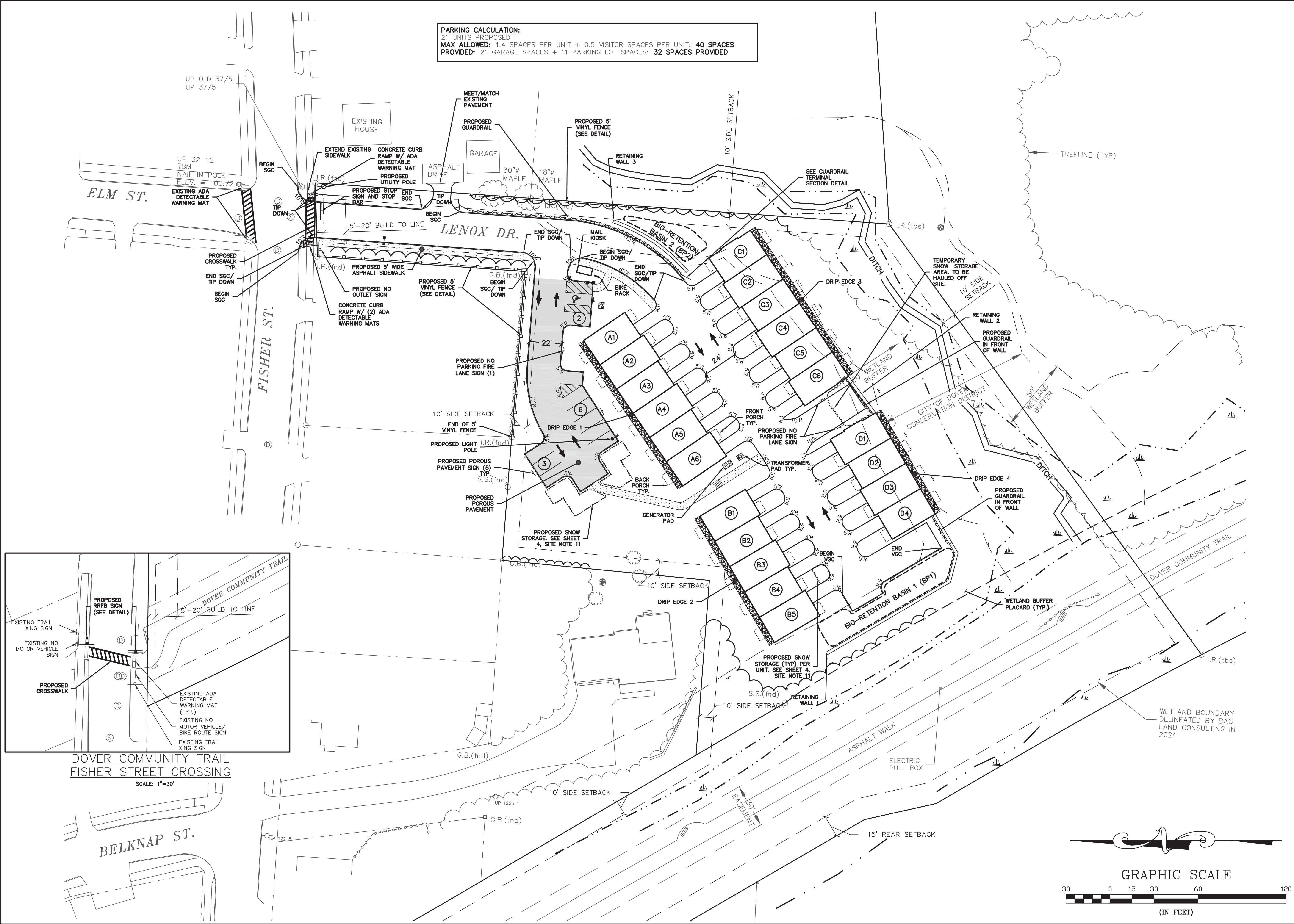






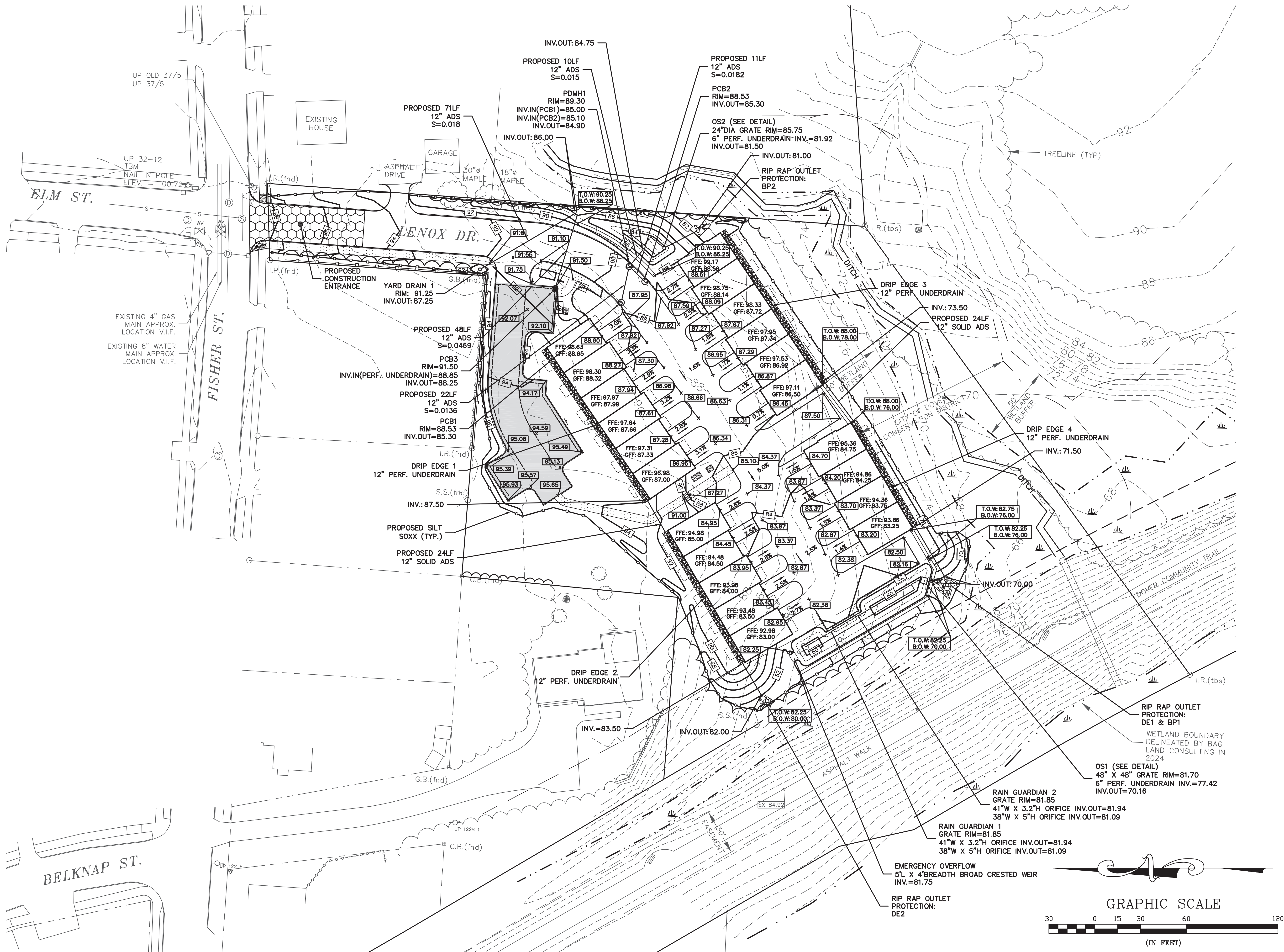
|                            |  |                                                                                      |  |                                                                                          |  |                     |  |     |  |                          |  |                  |  |        |  |                          |  |     |  |                                                                            |  |
|----------------------------|--|--------------------------------------------------------------------------------------|--|------------------------------------------------------------------------------------------|--|---------------------|--|-----|--|--------------------------|--|------------------|--|--------|--|--------------------------|--|-----|--|----------------------------------------------------------------------------|--|
| <div>DEMOLITION PLAN</div> |  | <div>UPTOWN CROSSING<br/>RESIDENTIAL SITE PLAN<br/>FISHER STREET<br/>DOVER, NH</div> |  | <div>H.J. STABILE AND SON, INC.<br/>20 COTTON ROAD, SUITE 200<br/>NASHUA, NH 03063</div> |  |                     |  |     |  |                          |  |                  |  |        |  |                          |  |     |  | NOT FOR CONSTRUCTION FOR PERMIT USE ONLY                                   |  |
|                            |  |                                                                                      |  |                                                                                          |  |                     |  |     |  |                          |  |                  |  |        |  |                          |  |     |  | PLANNING FILE NO.:<br>SITE-2023-0015                                       |  |
| <div>5</div>               |  |                                                                                      |  |                                                                                          |  |                     |  |     |  |                          |  | DATE: 10-26-23   |  |        |  |                          |  |     |  | CIVILWORKS NEW ENGLAND                                                     |  |
|                            |  |                                                                                      |  |                                                                                          |  |                     |  |     |  |                          |  | SCALE: 1"=30'    |  |        |  |                          |  |     |  | 181 Watson Road, PO Box 1166<br>Dover, New Hampshire 03821<br>603.748.0443 |  |
|                            |  |                                                                                      |  |                                                                                          |  |                     |  |     |  |                          |  | DRAWN BY: MAM    |  |        |  |                          |  |     |  |                                                                            |  |
|                            |  |                                                                                      |  |                                                                                          |  |                     |  |     |  |                          |  | DESIGN BY: SJH   |  |        |  |                          |  |     |  |                                                                            |  |
|                            |  |                                                                                      |  |                                                                                          |  |                     |  |     |  |                          |  | APPROVED BY: SJH |  | 2      |  | REV. PER TRC COMMENTS #2 |  | SJH |  | 5-6-24                                                                     |  |
|                            |  |                                                                                      |  |                                                                                          |  | PROJECT NO: 2017    |  | 1   |  | REV. PER TRC COMMENTS #1 |  | SJH              |  | 2-8-24 |  |                          |  |     |  |                                                                            |  |
|                            |  |                                                                                      |  |                                                                                          |  | FILE NAME: SITE.DWG |  | NO. |  | REVISION                 |  | APP'D            |  | DATE   |  |                          |  |     |  |                                                                            |  |





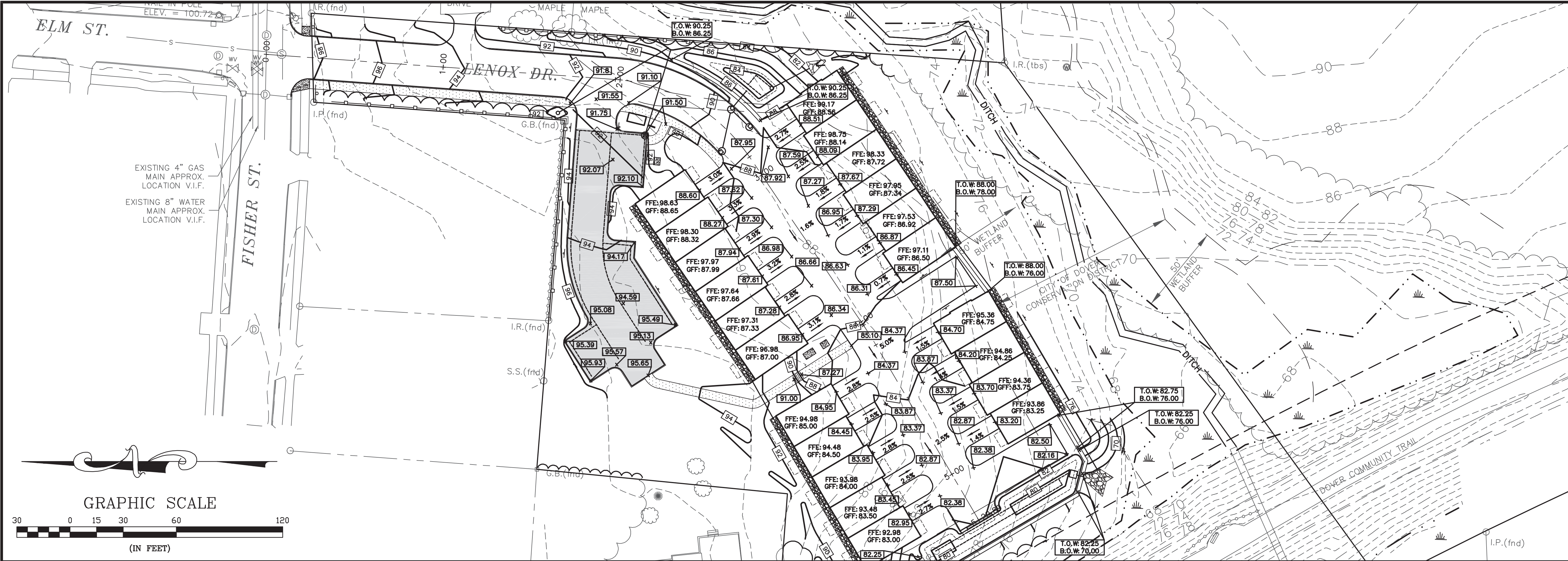
|           |  |                                                                             |  |                                                                        |  |   |  |                                          |  |
|-----------|--|-----------------------------------------------------------------------------|--|------------------------------------------------------------------------|--|---|--|------------------------------------------|--|
| SITE PLAN |  | H.J. STABILE AND SON, INC.<br>20 COTTON ROAD, SUITE 200<br>NASHUA, NH 03063 |  | UPTOWN CROSSING<br>RESIDENTIAL SITE PLAN<br>FISHER STREET<br>DOVER, NH |  | 6 |  | NOT FOR CONSTRUCTION FOR PERMIT USE ONLY |  |
|           |  |                                                                             |  |                                                                        |  |   |  | PLANNING FILE NO.:                       |  |
|           |  |                                                                             |  |                                                                        |  |   |  | SITE-2023-0015                           |  |
|           |  |                                                                             |  |                                                                        |  |   |  | CIVILWORKS NEW ENGLAND                   |  |
|           |  |                                                                             |  |                                                                        |  |   |  | CIVILWORKS NEW ENGLAND                   |  |
|           |  |                                                                             |  |                                                                        |  |   |  | DATE: 10-26-23                           |  |
|           |  |                                                                             |  |                                                                        |  |   |  | SCALE: 1"=30'                            |  |
|           |  |                                                                             |  |                                                                        |  |   |  | DRAWN BY: MAM                            |  |
|           |  |                                                                             |  |                                                                        |  |   |  | DESIGN BY: SJH                           |  |
|           |  |                                                                             |  |                                                                        |  |   |  | APPROVED BY: SJH                         |  |
|           |  |                                                                             |  |                                                                        |  |   |  | PROJECT NO: 2007                         |  |
|           |  |                                                                             |  |                                                                        |  |   |  | FILE NAME: STD.DWG                       |  |
|           |  |                                                                             |  |                                                                        |  |   |  | REV. PER TRC COMMENTS #1                 |  |
|           |  |                                                                             |  |                                                                        |  |   |  | REV. PER TRC COMMENTS #2                 |  |
|           |  |                                                                             |  |                                                                        |  |   |  | DATE                                     |  |
|           |  |                                                                             |  |                                                                        |  |   |  | APPD                                     |  |
|           |  |                                                                             |  |                                                                        |  |   |  | REVISION                                 |  |
|           |  |                                                                             |  |                                                                        |  |   |  | DATE                                     |  |
|           |  |                                                                             |  |                                                                        |  |   |  | APPD                                     |  |
|           |  |                                                                             |  |                                                                        |  |   |  | REVISION                                 |  |
|           |  |                                                                             |  |                                                                        |  |   |  | DATE                                     |  |
|           |  |                                                                             |  |                                                                        |  |   |  | APPD                                     |  |
|           |  |                                                                             |  |                                                                        |  |   |  | REVISION                                 |  |
|           |  |                                                                             |  |                                                                        |  |   |  | DATE                                     |  |
|           |  |                                                                             |  |                                                                        |  |   |  | APPD                                     |  |
|           |  |                                                                             |  |                                                                        |  |   |  | REVISION                                 |  |
|           |  |                                                                             |  |                                                                        |  |   |  | DATE                                     |  |
|           |  |                                                                             |  |                                                                        |  |   |  | APPD                                     |  |
|           |  |                                                                             |  |                                                                        |  |   |  | REVISION                                 |  |
|           |  |                                                                             |  |                                                                        |  |   |  | DATE                                     |  |
|           |  |                                                                             |  |                                                                        |  |   |  | APPD                                     |  |
|           |  |                                                                             |  |                                                                        |  |   |  | REVISION                                 |  |
|           |  |                                                                             |  |                                                                        |  |   |  | DATE                                     |  |
|           |  |                                                                             |  |                                                                        |  |   |  | APPD                                     |  |
|           |  |                                                                             |  |                                                                        |  |   |  | REVISION                                 |  |
|           |  |                                                                             |  |                                                                        |  |   |  | DATE                                     |  |
|           |  |                                                                             |  |                                                                        |  |   |  | APPD                                     |  |
|           |  |                                                                             |  |                                                                        |  |   |  | REVISION                                 |  |
|           |  |                                                                             |  |                                                                        |  |   |  | DATE                                     |  |
|           |  |                                                                             |  |                                                                        |  |   |  | APPD                                     |  |
|           |  |                                                                             |  |                                                                        |  |   |  | REVISION                                 |  |
|           |  |                                                                             |  |                                                                        |  |   |  | DATE                                     |  |
|           |  |                                                                             |  |                                                                        |  |   |  | APPD                                     |  |
|           |  |                                                                             |  |                                                                        |  |   |  | REVISION                                 |  |
|           |  |                                                                             |  |                                                                        |  |   |  | DATE                                     |  |
|           |  |                                                                             |  |                                                                        |  |   |  | APPD                                     |  |
|           |  |                                                                             |  |                                                                        |  |   |  | REVISION                                 |  |
|           |  |                                                                             |  |                                                                        |  |   |  | DATE                                     |  |
|           |  |                                                                             |  |                                                                        |  |   |  | APPD                                     |  |
|           |  |                                                                             |  |                                                                        |  |   |  | REVISION                                 |  |
|           |  |                                                                             |  |                                                                        |  |   |  | DATE                                     |  |
|           |  |                                                                             |  |                                                                        |  |   |  | APPD                                     |  |
|           |  |                                                                             |  |                                                                        |  |   |  | REVISION                                 |  |
|           |  |                                                                             |  |                                                                        |  |   |  | DATE                                     |  |
|           |  |                                                                             |  |                                                                        |  |   |  | APPD                                     |  |
|           |  |                                                                             |  |                                                                        |  |   |  | REVISION                                 |  |
|           |  |                                                                             |  |                                                                        |  |   |  | DATE                                     |  |
|           |  |                                                                             |  |                                                                        |  |   |  | APPD                                     |  |
|           |  |                                                                             |  |                                                                        |  |   |  | REVISION                                 |  |
|           |  |                                                                             |  |                                                                        |  |   |  | DATE                                     |  |
|           |  |                                                                             |  |                                                                        |  |   |  | APPD                                     |  |
|           |  |                                                                             |  |                                                                        |  |   |  | REVISION                                 |  |
|           |  |                                                                             |  |                                                                        |  |   |  | DATE                                     |  |
|           |  |                                                                             |  |                                                                        |  |   |  | APPD                                     |  |
|           |  |                                                                             |  |                                                                        |  |   |  | REVISION                                 |  |
|           |  |                                                                             |  |                                                                        |  |   |  | DATE                                     |  |
|           |  |                                                                             |  |                                                                        |  |   |  | APPD                                     |  |
|           |  |                                                                             |  |                                                                        |  |   |  | REVISION                                 |  |
|           |  |                                                                             |  |                                                                        |  |   |  | DATE                                     |  |
|           |  |                                                                             |  |                                                                        |  |   |  | APPD                                     |  |
|           |  |                                                                             |  |                                                                        |  |   |  | REVISION                                 |  |
|           |  |                                                                             |  |                                                                        |  |   |  | DATE                                     |  |
|           |  |                                                                             |  |                                                                        |  |   |  | APPD                                     |  |
|           |  |                                                                             |  |                                                                        |  |   |  | REVISION                                 |  |
|           |  |                                                                             |  |                                                                        |  |   |  | DATE                                     |  |
|           |  |                                                                             |  |                                                                        |  |   |  | APPD                                     |  |
|           |  |                                                                             |  |                                                                        |  |   |  | REVISION                                 |  |
|           |  |                                                                             |  |                                                                        |  |   |  | DATE                                     |  |
|           |  |                                                                             |  |                                                                        |  |   |  | APPD                                     |  |
|           |  |                                                                             |  |                                                                        |  |   |  | REVISION                                 |  |
|           |  |                                                                             |  |                                                                        |  |   |  | DATE                                     |  |
|           |  |                                                                             |  |                                                                        |  |   |  | APPD                                     |  |
|           |  |                                                                             |  |                                                                        |  |   |  | REVISION                                 |  |
|           |  |                                                                             |  |                                                                        |  |   |  | DATE                                     |  |
|           |  |                                                                             |  |                                                                        |  |   |  | APPD                                     |  |
|           |  |                                                                             |  |                                                                        |  |   |  | REVISION                                 |  |
|           |  |                                                                             |  |                                                                        |  |   |  | DATE                                     |  |
|           |  |                                                                             |  |                                                                        |  |   |  | APPD                                     |  |
|           |  |                                                                             |  |                                                                        |  |   |  | REVISION                                 |  |
|           |  |                                                                             |  |                                                                        |  |   |  | DATE                                     |  |
|           |  |                                                                             |  |                                                                        |  |   |  | APPD                                     |  |
|           |  |                                                                             |  |                                                                        |  |   |  | REVISION                                 |  |
|           |  |                                                                             |  |                                                                        |  |   |  | DATE                                     |  |
|           |  |                                                                             |  |                                                                        |  |   |  | APPD                                     |  |
|           |  |                                                                             |  |                                                                        |  |   |  | REVISION                                 |  |
|           |  |                                                                             |  |                                                                        |  |   |  | DATE                                     |  |
|           |  |                                                                             |  |                                                                        |  |   |  | APPD                                     |  |
|           |  |                                                                             |  |                                                                        |  |   |  | REVISION                                 |  |
|           |  |                                                                             |  |                                                                        |  |   |  | DATE                                     |  |
|           |  |                                                                             |  |                                                                        |  |   |  | APPD                                     |  |
|           |  |                                                                             |  |                                                                        |  |   |  | REVISION                                 |  |
|           |  |                                                                             |  |                                                                        |  |   |  | DATE                                     |  |
|           |  |                                                                             |  |                                                                        |  |   |  | APPD                                     |  |
|           |  |                                                                             |  |                                                                        |  |   |  | REVISION                                 |  |
|           |  |                                                                             |  |                                                                        |  |   |  | DATE                                     |  |
|           |  |                                                                             |  |                                                                        |  |   |  | APPD                                     |  |
|           |  |                                                                             |  |                                                                        |  |   |  | REVISION                                 |  |
|           |  |                                                                             |  |                                                                        |  |   |  | DATE                                     |  |
|           |  |                                                                             |  |                                                                        |  |   |  | APPD                                     |  |
|           |  |                                                                             |  |                                                                        |  |   |  | REVISION                                 |  |
|           |  |                                                                             |  |                                                                        |  |   |  | DATE                                     |  |
|           |  |                                                                             |  |                                                                        |  |   |  | APPD                                     |  |
|           |  |                                                                             |  |                                                                        |  |   |  | REVISION                                 |  |
|           |  |                                                                             |  |                                                                        |  |   |  | DATE                                     |  |
|           |  |                                                                             |  |                                                                        |  |   |  | APPD                                     |  |
|           |  |                                                                             |  |                                                                        |  |   |  | REVISION                                 |  |
|           |  |                                                                             |  |                                                                        |  |   |  | DATE                                     |  |
|           |  |                                                                             |  |                                                                        |  |   |  | APPD                                     |  |
|           |  |                                                                             |  |                                                                        |  |   |  | REVISION                                 |  |
|           |  |                                                                             |  |                                                                        |  |   |  | DATE                                     |  |
|           |  |                                                                             |  |                                                                        |  |   |  | APPD                                     |  |
|           |  |                                                                             |  |                                                                        |  |   |  | REVISION                                 |  |
|           |  |                                                                             |  |                                                                        |  |   |  | DATE                                     |  |
|           |  |                                                                             |  |                                                                        |  |   |  | APPD                                     |  |
|           |  |                                                                             |  |                                                                        |  |   |  | REVISION                                 |  |
|           |  |                                                                             |  |                                                                        |  |   |  | DATE                                     |  |
|           |  |                                                                             |  |                                                                        |  |   |  | APPD                                     |  |
|           |  |                                                                             |  |                                                                        |  |   |  | REVISION                                 |  |
|           |  |                                                                             |  |                                                                        |  |   |  | DATE                                     |  |
|           |  |                                                                             |  |                                                                        |  |   |  | APPD                                     |  |
|           |  |                                                                             |  |                                                                        |  |   |  | REVISION                                 |  |
|           |  |                                                                             |  |                                                                        |  |   |  | DATE                                     |  |
|           |  |                                                                             |  |                                                                        |  |   |  | APPD                                     |  |
|           |  |                                                                             |  |                                                                        |  |   |  | REVISION                                 |  |
|           |  |                                                                             |  |                                                                        |  |   |  | DATE                                     |  |
|           |  |                                                                             |  |                                                                        |  |   |  | APPD                                     |  |
|           |  |                                                                             |  |                                                                        |  |   |  | REVISION                                 |  |
|           |  |                                                                             |  |                                                                        |  |   |  | DATE                                     |  |
|           |  |                                                                             |  |                                                                        |  |   |  | APPD                                     |  |
|           |  |                                                                             |  |                                                                        |  |   |  | REVISION                                 |  |
|           |  |                                                                             |  |                                                                        |  |   |  | DATE                                     |  |
|           |  |                                                                             |  |                                                                        |  |   |  | APPD                                     |  |
|           |  |                                                                             |  |                                                                        |  |   |  | REVISION                                 |  |
|           |  |                                                                             |  |                                                                        |  |   |  | DATE                                     |  |
|           |  |                                                                             |  |                                                                        |  |   |  | APPD                                     |  |
|           |  |                                                                             |  |                                                                        |  |   |  | REVISION                                 |  |
|           |  |                                                                             |  |                                                                        |  |   |  | DATE                                     |  |
|           |  |                                                                             |  |                                                                        |  |   |  | APPD                                     |  |
|           |  |                                                                             |  |                                                                        |  |   |  | REVISION                                 |  |
|           |  |                                                                             |  |                                                                        |  |   |  | DATE                                     |  |
|           |  |                                                                             |  |                                                                        |  |   |  | APPD                                     |  |
|           |  |                                                                             |  |                                                                        |  |   |  | REVISION                                 |  |
|           |  |                                                                             |  |                                                                        |  |   |  | DATE                                     |  |
|           |  |                                                                             |  |                                                                        |  |   |  | APPD                                     |  |
|           |  |                                                                             |  |                                                                        |  |   |  | REVISION                                 |  |
|           |  |                                                                             |  |                                                                        |  |   |  | DATE                                     |  |
|           |  |                                                                             |  |                                                                        |  |   |  | APPD                                     |  |
|           |  |                                                                             |  |                                                                        |  |   |  | REVISION                                 |  |
|           |  |                                                                             |  |                                                                        |  |   |  | DATE                                     |  |
|           |  |                                                                             |  |                                                                        |  |   |  | APPD                                     |  |
|           |  |                                                                             |  |                                                                        |  |   |  | REVISION                                 |  |
|           |  |                                                                             |  |                                                                        |  |   |  | DATE                                     |  |
|           |  |                                                                             |  |                                                                        |  |   |  | APPD                                     |  |
|           |  |                                                                             |  |                                                                        |  |   |  | REVISION                                 |  |
|           |  |                                                                             |  |                                                                        |  |   |  | DATE                                     |  |
|           |  |                                                                             |  |                                                                        |  |   |  | APPD                                     |  |
|           |  |                                                                             |  |                                                                        |  |   |  | REVISION                                 |  |
|           |  |                                                                             |  |                                                                        |  |   |  | DATE                                     |  |
|           |  |                                                                             |  |                                                                        |  |   |  | APPD                                     |  |
|           |  |                                                                             |  |                                                                        |  |   |  | REVISION                                 |  |
|           |  |                                                                             |  |                                                                        |  |   |  | DATE                                     |  |
|           |  |                                                                             |  |                                                                        |  |   |  | APPD                                     |  |
|           |  |                                                                             |  |                                                                        |  |   |  | REVISION                                 |  |
|           |  |                                                                             |  |                                                                        |  |   |  | DATE                                     |  |
|           |  |                                                                             |  |                                                                        |  |   |  | APPD                                     |  |
|           |  |                                                                             |  |                                                                        |  |   |  | REVISION                                 |  |
|           |  |                                                                             |  |                                                                        |  |   |  | DATE                                     |  |
|           |  |                                                                             |  |                                                                        |  |   |  | APPD                                     |  |
|           |  |                                                                             |  |                                                                        |  |   |  | REVISION                                 |  |
|           |  |                                                                             |  |                                                                        |  |   |  | DATE                                     |  |
|           |  |                                                                             |  |                                                                        |  |   |  | APPD                                     |  |
|           |  |                                                                             |  |                                                                        |  |   |  | REVISION                                 |  |
|           |  |                                                                             |  |                                                                        |  |   |  | DATE                                     |  |
|           |  |                                                                             |  |                                                                        |  |   |  | APPD                                     |  |
|           |  |                                                                             |  |                                                                        |  |   |  | REVISION                                 |  |
|           |  |                                                                             |  |                                                                        |  |   |  | DATE                                     |  |
|           |  |                                                                             |  |                                                                        |  |   |  | APPD                                     |  |
|           |  |                                                                             |  |                                                                        |  |   |  | REVISION                                 |  |
|           |  |                                                                             |  |                                                                        |  |   |  | DATE                                     |  |
|           |  |                                                                             |  |                                                                        |  |   |  | APPD                                     |  |
|           |  |                                                                             |  |                                                                        |  |   |  | REVISION                                 |  |
|           |  |                                                                             |  |                                                                        |  |   |  | DATE                                     |  |
|           |  |                                                                             |  |                                                                        |  |   |  | APPD                                     |  |
|           |  |                                                                             |  |                                                                        |  |   |  | REVISION                                 |  |
|           |  |                                                                             |  |                                                                        |  |   |  | DATE                                     |  |
|           |  |                                                                             |  |                                                                        |  |   |  | APPD                                     |  |
|           |  |                                                                             |  |                                                                        |  |   |  | REVISION                                 |  |
|           |  |                                                                             |  |                                                                        |  |   |  | DATE                                     |  |
|           |  |                                                                             |  |                                                                        |  |   |  | APPD                                     |  |
|           |  |                                                                             |  |                                                                        |  |   |  | REVISION                                 |  |
|           |  |                                                                             |  |                                                                        |  |   |  | DATE                                     |  |
|           |  |                                                                             |  |                                                                        |  |   |  | APPD                                     |  |
|           |  |                                                                             |  |                                                                        |  |   |  | REVISION                                 |  |
|           |  |                                                                             |  |                                                                        |  |   |  | DATE                                     |  |
|           |  |                                                                             |  |                                                                        |  |   |  | APPD                                     |  |
|           |  |                                                                             |  |                                                                        |  |   |  | REVISION                                 |  |
|           |  |                                                                             |  |                                                                        |  |   |  | DATE                                     |  |
|           |  |                                                                             |  |                                                                        |  |   |  | APPD                                     |  |
|           |  |                                                                             |  |                                                                        |  |   |  | REVISION                                 |  |
|           |  |                                                                             |  |                                                                        |  |   |  | DATE                                     |  |
|           |  |                                                                             |  |                                                                        |  |   |  | APPD                                     |  |
|           |  |                                                                             |  |                                                                        |  |   |  | REVISION                                 |  |
|           |  |                                                                             |  |                                                                        |  |   |  | DATE                                     |  |
|           |  |                                                                             |  |                                                                        |  |   |  | APPD                                     |  |
|           |  |                                                                             |  |                                                                        |  |   |  | REVISION                                 |  |
|           |  |                                                                             |  |                                                                        |  |   |  | DATE                                     |  |
|           |  |                                                                             |  |                                                                        |  |   |  | APPD                                     |  |
|           |  |                                                                             |  |                                                                        |  |   |  | REVISION                                 |  |
|           |  |                                                                             |  |                                                                        |  |   |  | DATE                                     |  |
|           |  |                                                                             |  |                                                                        |  |   |  | APPD                                     |  |
|           |  |                                                                             |  |                                                                        |  |   |  | REVISION                                 |  |
|           |  |                                                                             |  |                                                                        |  |   |  | DATE                                     |  |
|           |  |                                                                             |  |                                                                        |  |   |  | APPD                                     |  |
|           |  |                                                                             |  |                                                                        |  |   |  | REVISION                                 |  |
|           |  |                                                                             |  |                                                                        |  |   |  | DATE                                     |  |
|           |  |                                                                             |  |                                                                        |  |   |  | APPD                                     |  |
|           |  |                                                                             |  |                                                                        |  |   |  | REVISION                                 |  |
|           |  |                                                                             |  |                                                                        |  |   |  | DATE                                     |  |
|           |  |                                                                             |  |                                                                        |  |   |  | APPD                                     |  |
|           |  |                                                                             |  |                                                                        |  |   |  | REVISION                                 |  |
|           |  |                                                                             |  |                                                                        |  |   |  | DATE                                     |  |
|           |  |                                                                             |  |                                                                        |  |   |  | APPD                                     |  |
|           |  |                                                                             |  |                                                                        |  |   |  | REVISION                                 |  |
|           |  |                                                                             |  |                                                                        |  |   |  | DATE                                     |  |
|           |  |                                                                             |  |                                                                        |  |   |  | APPD                                     |  |
|           |  |                                                                             |  |                                                                        |  |   |  | REVISION                                 |  |
|           |  |                                                                             |  |                                                                        |  |   |  | DATE                                     |  |
|           |  |                                                                             |  |                                                                        |  |   |  | APPD                                     |  |
|           |  |                                                                             |  |                                                                        |  |   |  | REVISION                                 |  |
|           |  |                                                                             |  |                                                                        |  |   |  | DATE                                     |  |
|           |  |                                                                             |  |                                                                        |  |   |  | APPD                                     |  |
|           |  |                                                                             |  |                                                                        |  |   |  | REVISION                                 |  |
|           |  |                                                                             |  |                                                                        |  |   |  | DATE                                     |  |
|           |  |                                                                             |  |                                                                        |  |   |  | APPD                                     |  |
|           |  |                                                                             |  |                                                                        |  |   |  | REVISION                                 |  |
|           |  |                                                                             |  |                                                                        |  |   |  | DATE                                     |  |
|           |  |                                                                             |  |                                                                        |  |   |  | APPD                                     |  |
|           |  |                                                                             |  |                                                                        |  |   |  | REVISION                                 |  |
|           |  |                                                                             |  |                                                                        |  |   |  | DATE                                     |  |
|           |  |                                                                             |  |                                                                        |  |   |  | APPD                                     |  |
|           |  |                                                                             |  |                                                                        |  |   |  | REVISION                                 |  |
|           |  |                                                                             |  |                                                                        |  |   |  | DATE                                     |  |
|           |  |                                                                             |  |                                                                        |  |   |  | APPD                                     |  |
|           |  |                                                                             |  |                                                                        |  |   |  | REVISION                                 |  |
|           |  |                                                                             |  |                                                                        |  |   |  | DATE                                     |  |
|           |  |                                                                             |  |                                                                        |  |   |  | APPD                                     |  |
|           |  |                                                                             |  |                                                                        |  |   |  | REVISION                                 |  |
|           |  |                                                                             |  |                                                                        |  |   |  | DATE                                     |  |
|           |  |                                                                             |  |                                                                        |  |   |  | APPD                                     |  |
|           |  |                                                                             |  |                                                                        |  |   |  | REVISION                                 |  |
|           |  |                                                                             |  |                                                                        |  |   |  | DATE                                     |  |
|           |  |                                                                             |  |                                                                        |  |   |  | APPD                                     |  |
|           |  |                                                                             |  |                                                                        |  |   |  | REVISION                                 |  |
|           |  |                                                                             |  |                                                                        |  |   |  | DATE                                     |  |
|           |  |                                                                             |  |                                                                        |  |   |  | APPD                                     |  |
|           |  |                                                                             |  |                                                                        |  |   |  | REVISION                                 |  |
|           |  |                                                                             |  |                                                                        |  |   |  | DATE                                     |  |
|           |  |                                                                             |  |                                                                        |  |   |  | APPD                                     |  |
|           |  |                                                                             |  |                                                                        |  |   |  | REVISION                                 |  |
|           |  |                                                                             |  |                                                                        |  |   |  | DATE                                     |  |
|           |  |                                                                             |  |                                                                        |  |   |  | APPD                                     |  |
|           |  |                                                                             |  |                                                                        |  |   |  | REVISION                                 |  |
|           |  |                                                                             |  |                                                                        |  |   |  | DATE                                     |  |
|           |  |                                                                             |  |                                                                        |  |   |  | APPD                                     |  |
|           |  |                                                                             |  |                                                                        |  |   |  | REVISION                                 |  |
|           |  |                                                                             |  |                                                                        |  |   |  | DATE                                     |  |
|           |  |                                                                             |  |                                                                        |  |   |  | APPD                                     |  |
|           |  |                                                                             |  |                                                                        |  |   |  | REVISION                                 |  |
|           |  |                                                                             |  |                                                                        |  |   |  | DATE                                     |  |
|           |  |                                                                             |  |                                                                        |  |   |  | APPD                                     |  |
|           |  |                                                                             |  |                                                                        |  |   |  | REVISION                                 |  |
|           |  |                                                                             |  |                                                                        |  |   |  | DATE                                     |  |
|           |  |                                                                             |  |                                                                        |  |   |  | APPD                                     |  |
|           |  |                                                                             |  |                                                                        |  |   |  | REVISION                                 |  |
|           |  |                                                                             |  |                                                                        |  |   |  | DATE                                     |  |
|           |  |                                                                             |  |                                                                        |  |   |  | APPD                                     |  |
|           |  |                                                                             |  |                                                                        |  |   |  | REVISION                                 |  |
|           |  |                                                                             |  |                                                                        |  |   |  | DATE                                     |  |
|           |  |                                                                             |  |                                                                        |  |   |  | APPD                                     |  |
|           |  |                                                                             |  |                                                                        |  |   |  | REVISION                                 |  |
|           |  |                                                                             |  |                                                                        |  |   |  | DATE                                     |  |
|           |  |                                                                             |  |                                                                        |  |   |  | APPD                                     |  |
|           |  |                                                                             |  |                                                                        |  |   |  | REVISION                                 |  |
|           |  |                                                                             |  |                                                                        |  |   |  | DATE                                     |  |
|           |  |                                                                             |  |                                                                        |  |   |  | APPD                                     |  |



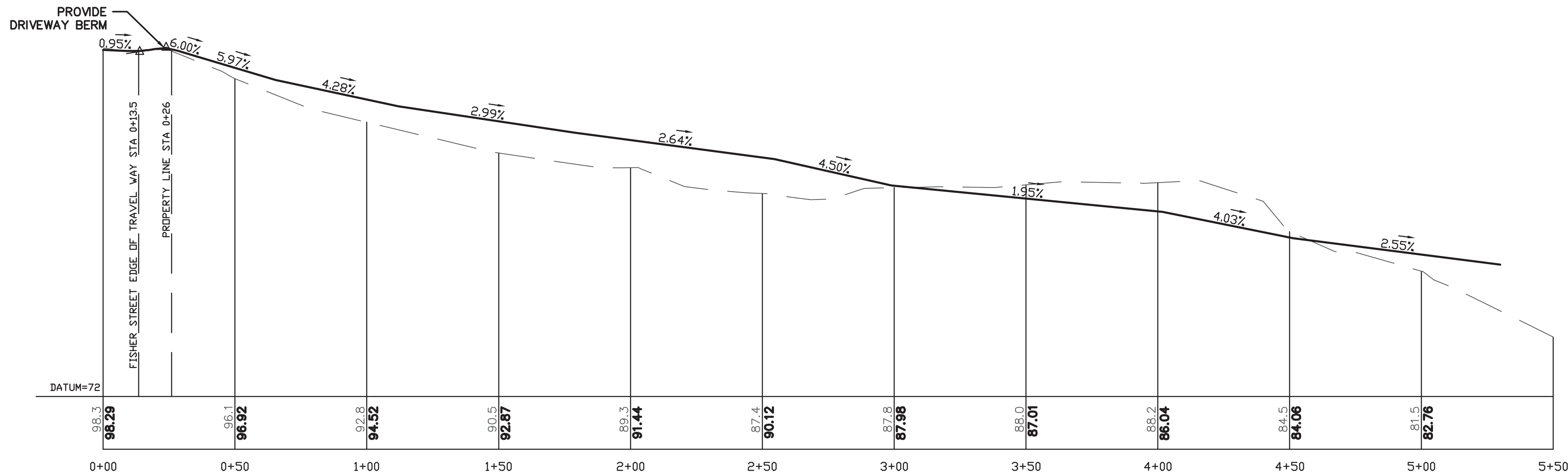


|                                          |               |                                                                             |                  |                                                                                                      |        |
|------------------------------------------|---------------|-----------------------------------------------------------------------------|------------------|------------------------------------------------------------------------------------------------------|--------|
| NOT FOR CONSTRUCTION FOR PERMIT USE ONLY |               | PLANNING FILE NO.: SITE-2023-0015                                           |                  | CIVILWORKS NEW ENGLAND<br>181 Watson Road, PO Box 1166<br>Dover, New Hampshire 03821<br>603.745.0443 |        |
| DATE: 10-26-23                           | SCALE: 1"=30' | DRAWN BY: MAM                                                               | DESIGN BY: SJH   | REV. PER TRC COMMENTS #2                                                                             | 5-6-24 |
|                                          |               |                                                                             | APPROVED BY: SJH | REV. PER TRC COMMENTS #1                                                                             | 2-8-24 |
|                                          |               |                                                                             | PROJECT NO: 2007 | FILE NAME: SITE.DWG                                                                                  |        |
| GRADING, DRAINAGE & EROSION CONTROL PLAN |               | H.J. STABILE AND SON, INC.<br>20 COTTON ROAD, SUITE 200<br>NASHUA, NH 03063 |                  | UPTOWN CROSSING<br>RESIDENTIAL SITE PLAN<br>FISHER STREET<br>DOVER, NH                               |        |
|                                          |               |                                                                             |                  | 7                                                                                                    |        |





PLAN VIEW  
SCALE: 1"=30'



LENOX DRIVE  
PROFILE VIEW  
SCALE: HORIZONTAL: 1"=30'  
VERTICAL: 1"=6'

|                                           |  |                                                                                                                                                                                                                                                         |  |     |  |                          |  |       |  |        |  |                                                                                                  |  |  |  |  |  |  |  |  |  |
|-------------------------------------------|--|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|-----|--|--------------------------|--|-------|--|--------|--|--------------------------------------------------------------------------------------------------|--|--|--|--|--|--|--|--|--|
| <div>LENOX DRIVE PLAN &amp; PROFILE</div> |  | <div><div>8</div><div><div>UPTOWN CROSSING</div><div>RESIDENTIAL SITE PLAN</div><div>FISHER STREET</div><div>DOVER, NH</div></div><div><div>H. J. STABLE AND SON, INC.</div><div>20 COTTON ROAD, SUITE 200</div><div>NASHUA, NH 03063</div></div></div> |  |     |  |                          |  |       |  |        |  | <div>NOT FOR CONSTRUCTION FOR PERMIT USE ONLY</div> <div>PLANNING FILE NO.: SITE-2023-0015</div> |  |  |  |  |  |  |  |  |  |
|                                           |  | <div>CIVILWORKS NEW ENGLAND</div> <div>Civil &amp; Waterfront Engineering</div> <div>181 Watason Road PO Box 1166</div> <div>Dover New Hampshire 03821</div> <div>603.748.0443</div>                                                                    |  |     |  |                          |  |       |  |        |  |                                                                                                  |  |  |  |  |  |  |  |  |  |
|                                           |  | DATE: 10-26-23                                                                                                                                                                                                                                          |  |     |  |                          |  |       |  |        |  |                                                                                                  |  |  |  |  |  |  |  |  |  |
|                                           |  | SCALE: 1"=30'                                                                                                                                                                                                                                           |  |     |  |                          |  |       |  |        |  |                                                                                                  |  |  |  |  |  |  |  |  |  |
|                                           |  | DRAWN BY: MJM                                                                                                                                                                                                                                           |  |     |  |                          |  |       |  |        |  |                                                                                                  |  |  |  |  |  |  |  |  |  |
|                                           |  | DESIGN BY: SJH                                                                                                                                                                                                                                          |  |     |  |                          |  |       |  |        |  |                                                                                                  |  |  |  |  |  |  |  |  |  |
|                                           |  | APPROVED BY: SJH                                                                                                                                                                                                                                        |  | 2   |  | REV. PER TRC COMMENTS #2 |  | SJH   |  | 5-6-24 |  |                                                                                                  |  |  |  |  |  |  |  |  |  |
|                                           |  | PROJECT NO: 20017                                                                                                                                                                                                                                       |  | 1   |  | REV. PER TRC COMMENTS #1 |  | SJH   |  | 2-8-24 |  |                                                                                                  |  |  |  |  |  |  |  |  |  |
|                                           |  | FILE NAME: SITE.DWG                                                                                                                                                                                                                                     |  | NO. |  | REVISION                 |  | APP'D |  | DATE   |  |                                                                                                  |  |  |  |  |  |  |  |  |  |







DESCRIPTION

1. THE PURPOSE OF THIS PLAN IS TO DEPICT IMPROVEMENTS ASSOCIATED WITH THE CONSTRUCTION OF MULTIFAMILY RESIDENTIAL TOWNHOUSE BUILDINGS WITH 21 UNITS AND ASSOCIATED SITE IMPROVEMENTS.

PROJECT NAME AND LOCATION

UPTOWN CROSSING  
TAX MAP 15, LOT 40A-1  
FISHER STREET  
DOVER, NH  
DISTURBED AREA  
±70,265 S.F.

LATITUDE N43° 11' 13"  
LONGITUDE W70° 52' 41"

NOTES:

1. THE SMALLEST PRACTICAL AREA SHALL BE DISTURBED DURING CONSTRUCTION.
2. ALL AREAS SHALL BE STABILIZED WITHIN 45 DAYS OF INITIAL DISTURBANCE.

SEQUENCE OF MAJOR ACTIVITIES

1. CONTRACTOR SHALL PREPARE THE SWPPP, FILE FOR AND OBTAIN THE NOI A MINIMUM OF 2 WEEKS PRIOR TO COMMENCEMENT OF SITE WORK.
2. PLACE TEMPORARY EROSION AND SEDIMENT CONTROL BMP'S PRIOR TO EARTH MOVING ACTIVITIES.
3. ALL EROSION CONTROL AND PERIMETER CONTROLS SHALL BE INSTALLED PRIOR TO COMMENCING EARTH MOVING OPERATIONS.
4. SELECTIVE DEMOLITION.
5. REGRADE SITE TO SUBGRADE.
6. TEMPORARY WATER DIVERSION (SWALES, BASINS) MUST BE USED AS NECESSARY UNTIL AREAS ARE STABILIZED.
7. SWALES AND PONDS (AS APPLICABLE) SHALL BE CONSTRUCTED EARLY ON IN THE CONSTRUCTION SEQUENCE AND BEFORE ROUGH GRADING OF THE SITE AND ALL DITCHES AND SWALES SHALL BE STABILIZED PRIOR TO DIRECTING RUNOFF TO THEM.
8. INSTALL DRAINAGE STRUCTURES AND CONTROLS.
9. INSTALL FOUNDATION FOOTINGS AND WALLS.
10. INSTALL UTILITIES.
11. PLACE GRAVELS AND FINE GRADE.
12. STABILIZE ROADWAYS AND PARKING AREAS WITHIN 72 HOURS OF ACHIEVING FINISHED GRADE.
13. ALL CUT AND FILL SLOPES SHALL BE LOAMED AND SEEDED (AS APPLICABLE) WITHIN 72 HOURS OF ACHIEVING FINISH GRADE.
14. ALL EROSION CONTROL MEASURES SHALL BE INSPECTED AT LEAST WEEKLY AND AFTER EVERY 1/2" OF RAINFALL.
15. IN ALL CASES THE SMALLEST PRACTICAL AREA SHALL BE DISTURBED DURING CONSTRUCTION AND IN NO CASE SHALL EXCEED 5 ACRES AT ANY ONE TIME BEFORE DISTURBED AREAS ARE STABILIZED. ALL DISTURBED AREAS SHALL BE STABILIZED WITHIN 45 DAYS OF INITIAL DISTURBANCE.
16. WHEN ALL SITE WORK IS COMPLETE AND ALL DISTURBED AREAS ARE STABILIZED REMOVE ALL TEMPORARY EROSION CONTROL MEASURES AND FILE THE EPA - N.O.T.

DEFINITIONS

AN AREA SHALL BE CONSIDERED STABLE IF ONE OF THE FOLLOWING HAS OCCURRED.

1. BASE COURSE GRAVELS HAVE BEEN INSTALLED IN AREAS TO BE PAVED
2. A MINIMUM OF 85% VEGETATED GROWTH HAS BEEN ESTABLISHED
3. A MINIMUM OF 3" OF NON-EROSIVE MATERIAL SUCH AS STONE OR RIP-RAP HAS BEEN INSTALLED; OR
4. EROSION CONTROL BLANKETS HAVE BEEN PROPERLY INSTALLED

INSTALLATION, MAINTENANCE, AND INSPECTION PROCEDURES OF EROSION AND SEDIMENT CONTROLS

A. SILT BARRIER

1. INSTALLATION
  - a. USE SILT BARRIER AS PERIMETER CONTROLS, PARTICULARLY AT THE LOWER OR DOWN SLOPE EDGE OF A DISTURBED AREA.
  - b. LEAVE SPACE FOR MAINTENANCE BETWEEN TOE AND SLOPE OF SILT BARRIER.
  - c. TRENCH IN THE SILT BARRIER ON THE UPHILL SIDE (6 INCHES DEEP BY 6 INCHES WIDE).
  - d. INSTALL STAKES ON THE DOWNHILL SIDE OF THE SILT BARRIER.
  - e. CURVE THE END OF THE SILT BARRIER UP-GRADIENT TO HELP IT CONTAIN RUNOFF.
2. SEQUENCE OF INSTALLATION
  - a. SEDIMENT BARRIERS SHALL BE INSTALLED PRIOR TO ANY SOIL DISTURBANCE OF THE CONTRIBUTING DRAINAGE AREA ABOVE THEM.
3. MAINTENANCE
  - a. SILT BARRIERS SHOULD BE INSPECTED AND MAINTAINED IMMEDIATELY AFTER EACH RAINFALL AND AT LEAST DAILY DURING PROLONGED RAINFALL.
  - b. SILT BARRIERS HAVE A USEFUL LIFE OF ONE SEASON. ON LONGER CONSTRUCTION PROJECTS, SILT BARRIERS SHOULD BE REPLACED PERIODICALLY TO MAINTAIN EFFECTIVENESS.
  - c. REMOVE SEDIMENT WHEN IT REACHES ONE-THIRD (1/3) THE HEIGHT OF THE SILT BARRIER.
  - d. REPLACE THE SILT BARRIERS WHERE THEY ARE TORN, WORN, OR OTHERWISE DAMAGED AND MONITOR PERFORMANCE TO ENSURE EFFECTIVE PERFORMANCE.
  - e. RETRENCH OR REPLACE ANY SILT BARRIER THAT IS NOT PROPERLY ANCHORED TO THE GROUND.
  - f. IF THERE IS EVIDENCE OF END FLOW ON PROPERLY INSTALLED BARRIERS, EXTEND BARRIERS UPHILL OR CONSIDER REPLACING THEM WITH OTHER MEASURES, SUCH AS TEMPORARY DIVERSIONS AND SEDIMENT TRAPS.
  - g. SILT BARRIERS SHOULD BE REPAIRED IMMEDIATELY IF THERE ARE ANY SIGNS OF EROSION OR SEDIMENTATION BELOW THEM. IF THERE ARE SIGNS OF UNDERCUTTING AT THE CENTER OR THE EDGES OF THE BARRIER, OR IMPROVING OF AROUNDING AREAS, VOLUMES OF WATER BEHIND THEM, SILT BARRIERS SHOULD BE REPLACED WITH A TEMPORARY CHECK DAM.

B. MULCHING

1. TIMING
  - a. APPLY MULCH PRIOR TO ANY STORM EVENT. IT WILL BE NECESSARY TO CLOSELY MONITOR WEATHER PREDICTIONS TO HAVE ADEQUATE WARNING OF SIGNIFICANT STORMS.
  - b. IN OTHER AREAS, THE TIME PERIOD CAN RANGE FROM 14 TO 30 DAYS OF INACTIVITY ON A 4 AREAS WITH THE VARYING WITH SITE CONDITIONS. PROFESSIONAL JUDGEMENT SHALL BE USED TO EVALUATE THE INTERACTION OF SITE CONDITIONS (SOIL ERODIBILITY, SEASON OF YEAR, EXTENT OF DISTURBANCE, PROXIMITY TO SENSITIVE RESOURCES, ETC.) AND THE POTENTIAL IMPACT OF EROSION ON ADJACENT AREAS TO CHOOSE AN APPROPRIATE TIME RESTRICTION.
  - c. WITHIN 100 FEET OF RIVERS, STREAMS, WETLANDS, AND IN LAKE AND POND WATERSHEDS, THE TIME PERIOD OF WHICH MULCHING SHOULD TAKE OCCUR SHOULD BE NO GREATER THAN SEVEN (7) DAYS. THIS SEVEN DAY LIMIT SHOULD BE REDUCED FURTHER DURING WET WEATHER PERIODS.
2. APPLICATION RATE
  - a. MULCH SHALL BE APPLIED AT A RATE OF BETWEEN 1.5 TO 2 TONS PER ACRE, OR 70 TO 90 POUNDS PER 1000 SQUARE FEET.
  - b. GUIDELINES FOR WINTER MULCH APPLICATION. WHEN MULCH IS APPLIED TO PROVIDE PROTECTION OVER WINTER (PAST THE GROWING SEASON) IT SHALL BE AT A RATE OF 150-200 POUNDS OF HAY OR STRAW PER ACRE WITH ABOUT 4 INCHES IN DEPTH. A TACKIFIER MAY BE ADDED TO THE MULCH.
3. MAINTENANCE
  - a. ALL MULCHES MUST BE INSPECTED PERIODICALLY, IN PARTICULAR AFTER RAINSTORMS. CHECK FOR SIGNS OF EROSION OR DISPLACEMENT OF THE MULCH. IF LESS THAN 90% OF THE SOIL SURFACE IS COVERED BY MULCH, ADDITIONAL MULCH SHALL BE IMMEDIATELY APPLIED.
  - b. NETS MUST BE INSPECTED AFTER RAIN EVENTS FOR DISLOCATION OR FAILURE AND SHOULD BE REPAIRED AS NECESSARY.
  - c. INSPECTORS SHOULD TAKE PLACE UNTIL THE SITE IS ESTABLISHED.
  - d. EROSION CONTROL MIX MULCH USED FOR TEMPORARY STABILIZATION SHOULD BE LEFT IN PLACE. VEGETATION ADDS STABILITY AND SHOULD BE PROMOTED.

C. TEMPORARY SEEDING

1. SEEDBED PREPARATION
  - a. STONES AND TRASH SHOULD BE REMOVED SO AS NOT TO INTERFERE WITH THE SEEDING AREA.
  - b. WHERE THE SOIL HAS BEEN COMPACTED BY CONSTRUCTION OPERATIONS, LOOSEN SOIL TO A DEPTH OF 2 INCHES BEFORE APPLYING FERTILIZER, LIME AND SEED.
  - c. APPLY LIMESTONE AND FERTILIZER ACCORDING TO SOIL TEST RECOMMENDATIONS.
    - i) APPLY FERTILIZER AT A RATE OF 600 POUNDS PER ACRE OR 13.8 POUNDS PER 1,000 SQUARE FEET OF LOW PHOSPHATE FERTILIZER OR EQUIVALENT.
    - ii) APPLY LIMESTONE AT A RATE OF 3 TONS PER ACRE OR 138 POUNDS PER 1,000 SQUARE FEET.
2. SEEDING
  - a. APPLY SEED UNIFORMLY BY HAND, CYCLONE SEEDER, DRILL, CULTIPACKER TYPE SEEDER OR HYDROSEEDER (SUMMARY INCLUDING SEED AND FERTILIZER) WITH A SEEDING DEPTH FROM A QUARTER (1/4) TO A HALF (1/2) INCH.
  - b. SEEDING RATES MUST BE INCREASED BY 10% WHEN HYDROSEEDING.
  - c. TEMPORARY SEEDING BETWEEN MAY 15TH AND AUGUST 15TH SHOULD BE COVERED WITH HAY OR STRAW MULCH, ACCORDING TO THE "TEMPORARY AND PERMANENT MULCHING" PRACTICE.
  - d. VEGETATED GROWTH COVERING 85% OF THE DISTURBED AREA SHOULD BE ACHIEVED PRIOR TO OCTOBER 15TH.
3. MAINTENANCE
  - a. TEMPORARY SEEDING SHALL BE INSPECTED PERIODICALLY. AT A MINIMUM, 85% OF THE SOIL SURFACE SHOULD BE COVERED BY VEGETATION. IF ANY EVIDENCE OF EROSION OR SEDIMENTATION IS APPARENT, REPAIRS SHALL BE MADE AND OTHER TEMPORARY MEASURES USED IN THE INTERIM (MULCH, FILTER FABRICS, CHECK DAMS, ETC.).

D. PERMANENT SEEDING

1. BEDDING - STONES LARGER THAN 2 INCHES, TRASH, ROOTS, AND OTHER DEBRIS INTERFERING WITH SEEDING AND FUTURE MAINTENANCE OF THE AREA SHOULD BE REMOVED. WHERE FEASIBLE, THE SOIL SHOULD BE TILLED TO A DEPTH OF 4" TO PREPARE A SEEDBED AND MIX FERTILIZER INTO THE SOIL.
2. FERTILIZER
  - a. LIME AND FERTILIZER SHOULD BE WORKED INTO THE SOIL TO A DEPTH OF 4 INCHES USING A DISC, SPRING TOOTH HARROW, OR OTHER SUITABLE EQUIPMENT PRIOR TO OR AT THE SAME TIME OF SEEDING.
  - b. FERTILIZER SHOULD BE RESTRICTED TO A LOW PHOSPHATE, SLOW RELEASE NITROGEN FERTILIZER WHEN APPLIED TO AREAS BETWEEN 25 FEET AND 250 FEET FROM A SURFACE WATER BODY. NO FERTILIZER EXCEPT LIMESTONE SHOULD BE APPLIED WITHIN 25 FEET OF THE SURFACE WATER.
  - c. KINDS AND AMOUNTS OF LIME AND FERTILIZER SHOULD BE BASED ON AN EVALUATION OF SOIL TESTS. WHEN A SOIL TEST IS NOT AVAILABLE, THE FOLLOWING MINIMUM AMOUNTS SHOULD BE APPLIED:  
AGRICULTURAL LIMESTONE @ 138 LBS. PER 1,000 S.F.  
LOW PHOSPHATE (N-P205-K20) FERTILIZER @ 13.8 LBS. PER 1,000 S.F.
3. SEED MIXTURE (RECOMMENDED)  
RATE:

| TYPE              | LBS. PER ACRE | LBS. PER 1,000 S.F. |
|-------------------|---------------|---------------------|
| TALL FESCUE       | 20            | 0.45                |
| CREeping RED      | 20            | 0.45                |
| FESCUE            |               |                     |
| BIRDSFOOT TREFOIL | 8             | 0.20                |
| TOTAL             | 48            | 1.10                |
4. SEEDING
  - a. SPRING SEEDING USUALLY GIVES THE BEST RESULTS FOR ALL SEED MIXES OR WITH LEGUMES. PERMANENT SEEDING SHOULD BE COMPLETED 45 DAYS PRIOR TO THE FIRST KILLING FROST.
  - b. APPLY SEED UNIFORMLY BY HAND, CYCLONE SEEDER, DRILL, CULTIPACKER TYPE SEEDER OR HYDROSEEDER (SLURRY INCLUDING SEED AND FERTILIZER) WITH A SEEDING DEPTH FROM A QUARTER (1/4) TO A HALF (1/2) INCH.
  - c. VEGETATED GROWTH COVERING AT LEAST 85% OF THE DISTURBED SHOULD BE ACHIEVED PRIOR TO OCTOBER 15TH. IF THIS CONDITION IS NOT ACHIEVED, IMPLEMENT TEMPORARY STABILIZATION MEASURES FOR OVERWINTER PROTECTION.
5. HYDROSEEDING
  - a. LIME AND FERTILIZER MAY BE APPLIED SIMULTANEOUSLY WITH THE SEED. THE USE OF STRAW MULCH ON CRITICAL AREAS IS PREFERRED SINCE IT GRANTS BETTER SLOPE PROTECTION BY USING ADHESIVE MATERIALS.
  - b. SLOPES MUST BE NO STEEPER THAN 2 TO 1 (2 FEET HORIZONTALLY TO 1 FOOT VERTICALLY).
  - c. SEEDING RATES MUST BE INCREASED BY 10% WHEN HYDROSEEDING.
6. MAINTENANCE
  - a. PERMANENT SEEDED AREAS SHOULD BE INSPECTED AT LEAST MONTHLY DURING THE COURSE OF CONSTRUCTION, INSPECTIONS, MAINTENANCE, AND CORRECTIVE ACTIONS SHOULD CONTINUE UNTIL THE OWNER ASSUMES PERMANENT OPERATION OF THE SITE.
  - b. SEEDED AREAS SHOULD BE MOWED AS REQUIRED TO MAINTAIN A HEALTHY STAND OF VEGETATION, WITH MOWING HEIGHT AND FREQUENCY DEPENDENT ON TYPE OF GRASS COVER.
  - c. BASED ON INSPECTION, AREAS SHOULD BE RESEEDED TO ACHIEVE FULL STABILIZATION OF EXPOSED SOILS.
  - d. IF EVIDENCE OF EROSION OR SEDIMENTATION IS APPARENT, REPAIRS SHOULD BE MADE AND AREAS RESEEDED WITH OTHER TEMPORARY MEASURES USED TO PROVIDE EROSION PROTECTION DURING THE PERIOD OF VEGETATION ESTABLISHMENT.
  - e. AT A MINIMUM, 85% OF THE SOIL SURFACE SHOULD BE COVERED BY VEGETATION.

E. STORM DRAIN INLET PROTECTION

1. SPECIFICATIONS
  - a. THE MAXIMUM CONTRIBUTING DRAINAGE AREA TO THE BARRIER SHOULD BE LESS THAN ONE ACRE.
  - b. ANY RESULTANT PONDING OF STORMWATER MUST NOT CAUSE EXCESSIVE INCONVENIENCE OR DAMAGE TO ADJACENT AREAS OR STRUCTURES.
2. INSTALLATION
  - a. INSTALL INLET PROTECTION AS SOON AS STORM DRAIN INLETS ARE INSTALLED AND BEFORE LAND-DISTURBANCE ACTIVITIES BEGIN IN AREAS WITH EXISTING STORM DRAIN SYSTEMS.
  - b. PROTECT ALL INLETS THAT COULD RECEIVE STORMWATER FROM YOUR CONSTRUCTION PROJECT.
  - c. USE IN CONJUNCTION WITH OTHER EROSION PREVENTION AND SEDIMENT CONTROL BMP'S.
  - d. DESIGN YOUR INLET PROTECTION TO HANDLE THE VOLUME OF WATER FROM THE AREA BEING DRAINED. ENSURE THAT THE DESIGN IS SIZED APPROPRIATELY.
3. MAINTENANCE
  - a. INSPECT INLETS BARRIERS FREQUENTLY, BEFORE AND AFTER EACH RAINFALL EVENT AND REPAIR WHEN NECESSARY.
  - b. SEDIMENT SHOULD BE REMOVED AND THE STORM DRAIN SEDIMENT BARRIER RESTORED TO ITS ORIGINAL DIMENSIONS WHEN THE SEDIMENT HAS ACCUMULATED TO 1/2 THE DESIGN DEPTH OF THE BARRIER.
  - c. REMOVED SEDIMENT SHOULD BE DEPOSITED IN A SUITABLE AREA AND IN SUCH A MANNER THAT IT WILL NOT ERODE.
  - d. SWEEP STREETS, SIDEWALKS, AND OTHER PAVED AREAS REGULARLY.
  - e. ALL CATCH BASINS AND STORM DRAIN INLETS MUST BE CLEANED AT THE END OF CONSTRUCTION AND AFTER THE SITE HAS BEEN FULLY STABILIZED

TIMING OF CONTROLS/MEASURES

AS INDICATED IN THE SEQUENCE OF MAJOR ACTIVITIES THE SILT BARRIERS SHALL BE INSTALLED PRIOR TO COMMENCING ANY CLEARING OR GRADING OF THE SITE. STRUCTURAL CONTROLS SHALL BE INSTALLED CONCURRENTLY WITH THE APPLICABLE ACTIVITY. AREAS WHERE CONSTRUCTION ACTIVITY TEMPORARILY CEASES FOR MORE THAN TWENTY ONE (21) DAYS WILL BE STABILIZED WITH A TEMPORARY SEED AND MULCH WITHIN FOURTEEN (14) DAYS OF THE LAST DISTURBANCE. ONCE CONSTRUCTION ACTIVITY CEASES PERMANENTLY IN AN AREA, SILT FENCES AND ANY EARTH/DIKES WILL BE REMOVED ONCE PERMANENT MEASURES ARE ESTABLISHED. ALL AREAS SHALL BE STABILIZED WITHIN 72 HOURS OF ACHIEVING FINISH GRADE.

WASTE DISPOSAL

- a. WASTE MATERIALS  
ALL WASTE MATERIALS WILL BE COLLECTED AND STORED IN SECURELY LIDDED RECEPTACLES. ALL TRASH AND CONSTRUCTION DEBRIS FROM THE SITE WILL BE DEPOSITED IN A DUMPSTER. NO CONSTRUCTION WASTE MATERIALS WILL BE BURIED ON SITE. ALL PERSONNEL WILL BE INSTRUCTED REGARDING THE CORRECT PROCEDURE FOR WASTE DISPOSAL BY THE SUPERINTENDENT.
- b. HAZARDOUS WASTE  
ALL HAZARDOUS WASTE MATERIALS WILL BE DISPOSED OF IN THE MANNER SPECIFIED BY LOCAL OR STATE REGULATION OR BY THE MANUFACTURER. SITE PERSONNEL WILL BE INSTRUCTED IN THESE PRACTICES BY THE SUPERINTENDENT.
- c. SANITARY WASTE  
ALL SANITARY WASTE WILL BE COLLECTED FROM THE PORTABLE UNITS A MINIMUM OF ONCE PER WEEK BY A LICENSED SANITARY WASTE MANAGEMENT CONTRACTOR.

MAINTENANCE OF STORMWATER MANAGEMENT FACILITIES

THE PROJECT PROPONENT IS RESPONSIBLE FOR THE MAINTENANCE OF ALL STORMWATER FACILITIES DURING CONSTRUCTION AND THE PROPERTY OWNER IS RESPONSIBLE AFTER CONSTRUCTION IS COMPLETE.

CATCH BASINS & STORMWATER TREATMENT STRUCTURES

1. CATCH BASINS & STORMWATER TREATMENT STRUCTURES SHOULD BE INSPECTED ON A MONTHLY BASIS AND/OR AFTER A MAJOR RAINFALL EVENT TO ASSURE THAT DEBRIS OR SEDIMENTS DO NOT REDUCE THE EFFECTIVENESS OF THE SYSTEM.

SPILL PREVENTION

A. MATERIAL MANAGEMENT PRACTICES

THE FOLLOWING ARE THE MATERIAL MANAGEMENT PRACTICES THAT WILL BE USED TO REDUCE THE RISK OF SPILLS OR OTHER ACCIDENTAL SANITARY EXPOSURE OF MATERIALS AND SUBSTANCES DURING CONSTRUCTION TO STORMWATER RUNOFF.

GOOD HOUSEKEEPING:

1. THE FOLLOWING GOOD HOUSEKEEPING PRACTICES THAT WILL BE FOLLOWED ON SITE DURING THE CONSTRUCTION PROJECT:
  - a. AN EFFORT WILL BE MADE TO STORE ONLY SUFFICIENT AMOUNTS OF PRODUCTS TO DO THE JOB.
  - b. ALL MATERIALS STORED ON SITE WILL BE STORED IN A NEAT, ORDERLY MANNER IN THEIR PROPER (ORIGINAL IF POSSIBLE) CONTAINERS AND, IF POSSIBLE, UNDER A ROOF OR OTHER ENCLOSURE.
  - c. MANUFACTURER'S RECOMMENDATIONS FOR PROPER USE AND DISPOSAL WILL BE FOLLOWED.
  - d. THE SITE SUPERINTENDENT WILL INSPECT DAILY TO ENSURE PROPER USE AND DISPOSAL OF MATERIALS.
  - e. SUBSTANCES WILL NOT BE MIXED WITH ONE ANOTHER UNLESS RECOMMENDED BY THE MANUFACTURER.
  - f. WHENEVER POSSIBLE ALL OF A PRODUCT WILL BE USED UP BEFORE DISPOSING OF THE CONTAINER.
2. HAZARDOUS PRODUCTS:
  - a. THE FOLLOWING PRACTICES WILL BE USED TO REDUCE THE RISKS ASSOCIATED WITH HAZARDOUS MATERIALS:
  - b. PRODUCTS WILL BE KEPT IN THEIR ORIGINAL CONTAINERS UNLESS THEY ARE NOT RESEALABLE.
  - c. ORIGINAL LABELS AND MATERIAL SAFETY DATA WILL BE RETAINED FOR IMPORTANT PRODUCT INFORMATION.
  - d. SURPLUS PRODUCT THAT MUST BE DISPOSED OF WILL BE DISCARDED ACCORDING TO THE MANUFACTURER'S RECOMMENDED METHODS OF DISPOSAL.

B. PRODUCT SPECIFICATION PRACTICES

THE FOLLOWING PRODUCT SPECIFIC PRACTICES WILL BE FOLLOWED ON SITE:

1. PETROLEUM PRODUCTS:
  - a. ALL ON SITE VEHICLES WILL BE MONITORED FOR LEAKS AND RECEIVE REGULAR PREVENTATIVE MAINTENANCE TO REDUCE LEAKAGE. PETROLEUM PRODUCTS WILL BE STORED IN TIGHTLY SEALED CONTAINERS WHICH ARE CLEARLY LABELED. ANY ASPHALT BASED SUBSTANCES USED ON SITE WILL BE APPLIED ACCORDING TO THE MANUFACTURER'S RECOMMENDATIONS.
2. FERTILIZERS:
  - a. FERTILIZERS USED WILL BE APPLIED ONLY IN THE MINIMUM AMOUNTS DIRECTED BY THE SPECIFICATIONS. ONCE APPLIED, FERTILIZER WILL BE WORKED INTO THE SOIL TO LIMIT EXPOSURE TO STORMWATER. STORAGE WILL BE IN A COVERED SHED OR ENCLOSED TRAILERS. THE CONTENTS OF ANY PARTIALY USED BAGS OF FERTILIZER WILL BE TRANSFERRED TO A SEALABLE PLASTIC BIN TO AVOID SPILLS.
3. PAINTS:
  - a. ALL CONTAINERS WILL BE TIGHTLY SEALED AND STORED WHEN NOT REQUIRED FOR USE. EXCESS PAINT WILL NOT BE DISCHARGED TO THE STORM SEWER SYSTEM BUT WILL BE DISPOSED OF PROPERLY ACCORDING TO THE MANUFACTURER'S INSTRUCTIONS OR STATE AND LOCAL REGULATIONS.
4. CONCRETE TRUCKS:
  - a. CONCRETE TRUCKS WILL DISCHARGE AND WASH OUT SURPLUS CONCRETE OR DRUM WASH WATER IN A CONTAINED AREA ON SITE.

C. SPILL CONTROL PRACTICES

IN ADDITION TO GOOD HOUSEKEEPING AND MATERIAL MANAGEMENT PRACTICES DISCUSSED IN THE PREVIOUS SECTIONS THE FOLLOWING PRACTICES WILL BE FOLLOWED FOR SPILL PREVENTION AND CLEANUP:

- a. MANUFACTURER'S RECOMMENDED METHODS FOR SPILL CLEANUP WILL BE CLEARLY POSTED AND SITE PERSONNEL WILL BE MADE AWARE OF THE PROCEDURES AND THE LOCATION OF THE INFORMATION AND CLEANUP SUPPLIES.
- b. MATERIALS AND EQUIPMENT NECESSARY FOR SPILL CLEANUP WILL BE KEPT IN THE MATERIAL STORAGE AREA ON SITE. EQUIPMENT AND MATERIALS WILL INCLUDE BUT NOT BE LIMITED TO BROOMS, DUSTPANS, MOPS, RAGS, GLOVES, GOGGLES, KITTY LITTER, SAND, SAWDUST, AND PLASTIC OR METAL TRASH CONTAINERS SPECIFICALLY FOR THIS PURPOSE.
- c. ALL SPILLS WILL BE CLEANED UP IMMEDIATELY AFTER DISCOVERY.
- d. THE SPILL AREA WILL BE KEPT WELL VENTILATED AND PERSONNEL WILL WEAR APPROPRIATE PROTECTIVE CLOTHING TO PREVENT INJURY FROM CONTACT WITH A HAZARDOUS SUBSTANCE.
- e. SPILLS OF TOXIC OR HAZARDOUS MATERIAL WILL BE REPORTED TO THE APPROPRIATE STATE OF LOCAL GOVERNMENT AGENCY, REGARDLESS OF THE SIZE.
- f. THE SPILL PREVENTION PLAN WILL BE ADJUSTED TO INCLUDE MEASURES TO PREVENT THIS TYPE OF SPILL FROM OCCURRING AND HOW TO CLEANUP A SPILL IF IT OCCURS. A DESCRIPTION OF THE SPILL, ITS CAUSE, AND THE CLEANUP MEASURES WILL BE INCLUDED.
- g. THE SITE SUPERINTENDENT RESPONSIBLE FOR DAY-TO-DAY SITE OPERATIONS WILL BE THE SPILL PREVENTION AND CLEANUP COORDINATOR.

THE PROJECT PROPONENT IS REQUIRED TO MANAGE CONSTRUCTION TO MEET THE REQUIREMENTS AND INTENT OF RSA 430:53 AND AGR 3800 RELATIVE TO CONTROLLING INVASIVE SPECIES AND CONTROLLING FUGITIVE DUST IN ACCORDANCE WITH ENV-A 1002.

AGR 3800 PROHIBITED INVASIVE PLANT SPECIES RULES

THE RULE, AGR 3800, STATES: NO PERSON SHALL COLLECT, TRANSPORT, IMPORT, EXPORT, MOVE, BUY SELL, DISTRIBUTE, PROPAGATE, OR TRANSPLANT ANY LIVING AND VIABLE PORTION OF ANY PLANT SPECIES, WHICH INCLUDED ALL OF THEIR CULTIVARS AND VARIETIES, LISTED IN TABLE 3800.1, NEW HAMPSHIRE PROHIBITED INVASIVE SPECIES LIST: A COMPLETE COPY OF THE RULES CAN BE ACCEESSED ON THE INTERNET AT [HTTP://AGRICULTURE.NH.GOV/TOPICS/PLANTS\\_INSECTS.HTM](http://agriculture.nh.gov/topics/plants_insects.htm).

ENV-A 1002 FUGITIVE DUST: PRECAUTIONS TO PREVENT, ABATE, AND CONTROL FUGITIVE DUST.

- a. ANY PERSON ENGAGED IN ANY ACTIVITY WITHIN THE STATE EMITS FUGITIVE DUST, OTHER THAN THOSE LISTED IN ENV-A 1002.02 (b), SHALL TAKE PRECAUTIONS THROUGHOUT THE ACTIVITY IN ORDER TO PREVENT, ABATE, AND CONTROL THE EMISSION OF FUGITIVE DUST.
- b. PRECAUTIONS REQUIRED BY (a) ABOVE, SHALL INCLUDE BUT NOT BE LIMITED TO THE FOLLOWING:
  - i) THE USE OF WATER OR HYDROPHILIC MATERIAL ON OPERATIONS OR SURFACES, OR BOTH
  - ii) THE APPLICATION OF ASPHALT, WATER, OR HYDROPHILIC MATERIAL, OR TARPS OR OTHER SUCH COVERS TO MATERIAL STOCKPILES;
  - iii) THE USE OF HOODS, FANS, FABRIC FILTERS, OR OTHER DEVICES TO ENCLOSE AND VENT AREAS WHERE MATERIALS PRONE TO PRODUCING FUGITIVE DUST ARE HANDLED;
  - iv) THE USE OF CONTAINMENT METHODS FOR SANDBLASTING OR SIMILAR OPERATIONS; AND
  - v) THE USE OF VACUUMS OR OTHER SUCTION DEVICES TO COLLECT AIRBORNE PARTICULATE MATTER.

PER 153-10 F:

ALL SITE IMPROVEMENTS WHICH REQUIRE BLASTING OF LAND SHALL MEET THE FOLLOWING REQUIREMENTS PRIOR TO ANY BLASTING OCCURRING.

1. THE APPLICANT SHALL PREPARE A PRE-BLAST SURVEY OF ALL STRUCTURES WITHIN FIVE HUNDRED (500) FEET OF THE EXTERNAL BOUNDARIES OF THE PROPOSED LOT TO BE DEVELOPED. THIS SURVEY, ALONG WITH A MONITORING PLAN, SHALL BE ON FILE WITH THE DOVER FIRE AND RESCUE. UPON RECOMMENDATIONS OF THE CHIEF, THE PLANNING BOARD MAY REQUIRE A PRE-BLAST SURVEY OF ALL STRUCTURES WITHIN ONE THOUSAND (1000) FEET.
2. THE APPLICANT SHALL HOLD A NEIGHBORHOOD MEETING TO REVIEW THE BLASTING PLAN AND PRE-BLAST SURVEY, WITH REPRESENTATIVES OF THE FIRE AND RESCUE AND THE BLASTING COMPANY IN ATTENDANCE, PRIOR TO ANY ON-SITE BLASTING. ABUTTERS WITHIN ONE THOUSAND (1000) FEET OF THE EXTERNAL BOUNDARY OF THE PROJECT PARCEL SHALL BE NOTIFIED BY THE CERTIFIED MAIL (PAID FOR BY THE APPLICANT) OF THE MEETING NO LESS THAN TEN (10) DAYS PRIOR TO THE MEETING AND NO MORE THAN FIFTEEN (15) DAYS PRIOR TO THE MEETING. THE NOTICE SHALL STATE THE TIME AND DATE OF THE BLASTING AND CONTAIN A MAP SHOWING THE BLASTING AREA, THE 1,000-FOOT-RADIUS AREA, AND THE 500-FOOT-RADIUS AREA.
3. PERMIT HOLDERS SHALL BE IN COMPLIANCE WITH NFPA 495, EXPLOSIVE MATERIALS CODE, IN ADDITION TO ALL OTHER ORDINANCES AND CODES SET FORTH IN THE CITY OF DOVER CODE, § 153-14A, STORMWATER MANAGEMENT, EROSION CONTROL AND FLOOD HAZARDS, OF THIS CHAPTER AND THE CITY OF DOVER FIRE PREVENTION CODE, WHICH SPECIFICALLY PROHIBITS THE OVERNIGHT STORAGE OF EXPLOSIVES OR BLASTING AGENTS. FURTHER, ALL STORAGE MAGAZINES SHALL BE LOCKED IN THE OPEN POSITION AT THE END OF THE DAY'S OPERATION FOR EASY INSPECTION BY CITY OFFICIALS.
4. BLASTING PERMITS MAY BE OBTAINED BY CALLING THE DOVER FIRE AND RESCUE DURING NORMAL BUSINESS HOURS. THE PERMITS ARE ONLY ACTIVE FOR THE DATES AND TIME SPECIFIED ON THE PERMIT.
5. PERMIT HOLDERS SHALL HOLD INSURANCE AGAINST CLAIMS FOR DAMAGES FOR PERSONAL INJURY AND PROPERTY WHICH MAY ARISE FROM THE PERFORMANCE OF THE WORK.
6. HOURS OF OPERATION FOR THE BLASTING SHALL BE NO EARLIER THAN 8:00AM AND NO LATER THAN 6:00PM, MONDAY THROUGH FRIDAY, EXCLUDING FEDERAL HOLIDAYS.

WINTER CONSTRUCTION NOTES

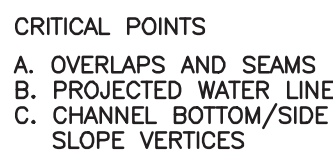
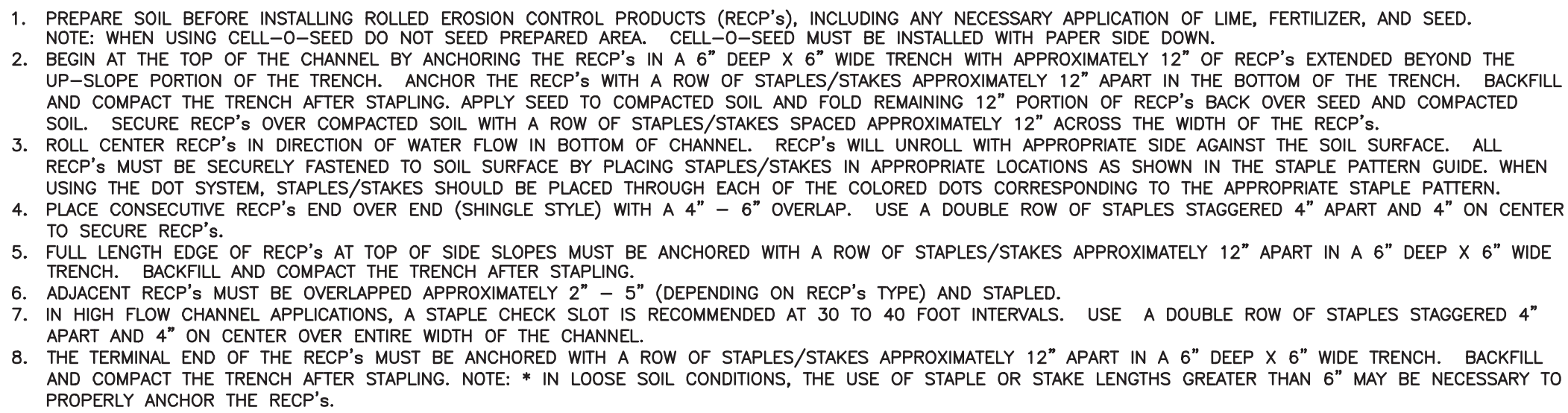
1. ALL PROPOSED POST-DEVELOPMENT VEGETATED AREAS WHICH DO NOT EXHIBIT A MINIMUM OF 85% VEGETATIVE GROWTH BY OCTOBER 15TH, OR WHICH ARE DISTURBED AFTER OCTOBER 15TH, SHALL BE COVERED BY EROSION CONTROL AND INSTALLING EROSION CONTROL BLANKETS ON SLOPES GREATER THAN 3:1, AND SEEDING AND PLACING 3 TO 4 TONS OF MULCH PER ACRE, SECURED WITH ANCHORED NETTING, ELSEWHERE. THE PLACEMENT OF EROSION CONTROL BLANKETS OR MULCH AND NETTING SHALL NOT OCCUR OVER ACCUMULATED SNOW OR ON FROZEN OR GRASS SHALL BE COVERED IN ADVANCE OF THAW OR SPRING MELT.
2. ALL DITCHES & SWALES WHICH DO NOT EXHIBIT A MINIMUM OF 85% VEGETATIVE GROWTH BY OCTOBER 15TH, OR WHICH ARE DISTURBED AFTER OCTOBER 15TH SHALL BE STABILIZED WITH STONE OR EROSION CONTROL BLANKETS.
3. AFTER OCTOBER 15TH, INCOMPLETED ROAD AND PARKING SURFACES SHALL BE PROTECTED WITH A MINIMUM OF 3-INCHES OF CRUSHED GRAVEL PER NHDOT ITEM 304.3, OR IF CONSTRUCTION IS TO CONTINUE THROUGH THE WINTER SEASON BE CLEARED OF ANY ACCUMULATED SNOW AFTER EACH STORM EVENT.

ENV-WO 1510: BEST MANAGEMENT PRACTICES FOR BLASTING

1. ALL ACTIVITIES ASSOCIATED WITH BLASTING NEED TO BE OPTIMIZED TO PREVENT THE RELEASE OF CHEMICALS ASSOCIATED WITH BLASTING ACTIVITIES TO THE ENVIRONMENT.
1. IF MORE THAN 5,000 CY OF ROCK REMOVAL IS REQUIRED DRINKING WATER WELLS MUST BE IDENTIFIED AND LOCATED WITHIN 2000 FEET OF THE PROPOSED BLASTING ACTIVITIES. DEVELOP A GROUNDWATER QUALITY SAMPLING PROGRAM TO MONITOR FOR NITRATE AND NITRITE LEVELS IN THE DRINKING WATER SUPPLY WELLS OR IN OTHER WELLS THAT ARE REPRESENTATIVE OF THE DRINKING WATER SUPPLY WELLS IN THE AREA. THE PLAN MUST INCLUDE PRE AND POST BLAST WATER QUALITY MONITORING AND BE APPROVED BY NHDES PRIOR TO INITIATING BLASTING. THE GROUNDWATER SAMPLING PROGRAM MUST BE IMPLEMENTED ONCE APPROVED BY NHDES.
- 3) THE FOLLOWING BEST MANAGEMENT PROCEDURES FOR BLASTING SHALL BE COMPLIED WITH:
  - (1) LOADING PRACTICES. THE FOLLOWING BLASTHOLE LOADING PRACTICES TO MINIMIZE ENVIRONMENTAL EFFECTS SHALL BE FOLLOWED:
    - (A) DRILLING LOSS SHALL BE MAINTAINED BY THE DRILLER AND COMMUNICATED DIRECTLY TO THE BLASTER. THE LOGS SHALL INDICATE DEPTHS AND LENGTHS OF VOIDS, CAVITIES, AND FAULT ZONES OR OTHER WEAK ZONES ENCOUNTERED AS WELL AS GROUNDWATER CONDITIONS.
    - (B) EXPLOSIVE PRODUCTS SHALL BE MANAGED ON-SITE SO THAT THEY ARE EITHER USED IN THE BOREHOLE, RETURNED TO THE DELIVERY VEHICLE, OR PLACED IN SECURE CONTAINERS FOR OFF-SITE DISPOSAL.
    - (C) SPILLAGE AROUND THE BOREHOLE SHALL EITHER BE PLACED IN THE BOREHOLE OR CLEANED UP AND RETURNED TO AN APPROPRIATE VEHICLE FOR HANDLING OR PLACED IN SECURE CONTAINERS FOR OFF-SITE DISPOSAL.
    - (D) LOADED EXPLOSIVES SHALL BE DETONATED AS SOON AS POSSIBLE AND SHALL NOT BE LEFT IN THE BLASTHOLES OVERNIGHT, UNLESS WEATHER OR OTHER SAFETY CONCERNS REASONABLY DICTATE THAT DETONATION SHOULD BE POSTPONED.
    - (E) LOADING EQUIPMENT SHALL BE CLEANED IN AN AREA WHERE WASTEWATER CAN BE PROPERLY CONTAINED AND HANDLED IN A MANNER THAT PREVENTS RELEASE OF CONTAMINANTS TO THE ENVIRONMENT.
    - (F) EXPLOSIVES SHALL BE LOADED TO MAINTAIN GOOD CONTINUITY IN THE COLUMN LOAD TO PROMOTE COMPLETE DETONATION. INDUSTRY ACCEPTED LOADING PRACTICES FOR PRIMING, STEMMING, DECKING AND COLUMN RISE NEED TO BE ATTENDED TO.
  - (2) EXPLOSIVE SELECTION. THE FOLLOWING BMP'S SHALL BE FOLLOWED TO REDUCE THE POTENTIAL FOR GROUNDWATER CONTAMINATION WHEN EXPLOSIVES ARE USED:
    - (A) EXPLOSIVE PRODUCTS SHALL BE SELECTED THAT ARE APPROPRIATE FOR SITE CONDITIONS AND SAFE BLAST EVENT.
    - (B) EXPLOSIVE PRODUCTS SHALL BE SELECTED THAT HAVE THE APPROPRIATE WATER RESISTANCE FOR THE SITE CONDITIONS PRESENT TO MINIMIZE THE POTENTIAL FOR HAZARDOUS EFFECT OF THE PRODUCT UPON GROUNDWATER.
  - (3) PREVENTION OF MISFIRES. APPROPRIATE PRACTICES SHALL BE DEVELOPED AND IMPLEMENTED TO PREVENT MISFIRES.
  - (4) MUCK AND ROCK MANAGEMENT. BLASTED MATERIAL MEANS ALL OF EARTH MATERIAL LOOSENED AS A RESULT OF THE BLASTING; MUCK MEANS THE BLASTED MATERIAL REMAINING AFTER THE ROCKS HAVE BEEN REMOVED; ROCKS MEANS THE LARGER PIECES OF BLASTED MATERIAL THAT ARE SEPARATED FROM THE MUCK FOR USE ELSEWHERE, INCLUDING FOR FEEDSTOCK OF A ROCK CRUSHING OPERATION; MUCK SHALL BE REMOVED FROM THE BLAST AREA AS SOON AS REASONABLY POSSIBLE; ROCKS SHALL BE MANAGED SO AS TO PREVENT WATER SUPPLY WELLS OR SURFACE WATERS FROM BEING CONTAMINATED BY RUNOFF.
  - (5) SPILL PREVENTION MEASURES. SPILL PREVENTION AND SPILL MITIGATION MEASURES SHALL BE IMPLEMENTED TO PREVENT THE RELEASE OF FUEL AND OTHER RELATED SUBSTANCES TO THE ENVIRONMENT. THE MEASURES SHALL INCLUDE AT A MINIMUM:
    - (A) THE FUEL STORAGE REQUIREMENTS SHALL INCLUDE:
      1. STORAGE OF REGULATED SUBSTANCES ON AN IMPERVIOUS SURFACE;
      2. SECURE STORAGE AREAS AGAINST UNAUTHORIZED ENTRY;
      3. LABEL REGULATED CONTAINERS CLEARLY AND VISIBLY;
      4. INSPECT STORAGE AREAS WEEKLY;
      5. COVER REGULATED CONTAINERS IN OUTSIDE STORAGE AREAS;
      6. WHEREVER POSSIBLE, KEEP REGULATED CONTAINERS THAT ARE STORED OUTSIDE MORE THAN 50 FEET FROM SURFACE WATER AND STORM DRAINS, 75 FEET FROM PRIVATE WELLS, AND 400 FEET FROM PUBLIC WELLS; AND
      7. SEDIMENT BARRIERS TO PREVENT CONTAINERS CONTAINING REGULATED SUBSTANCES STORED OUTSIDE, EXCEPT FOR ON PREMISE USE HEATING FUEL TANKS, OR ABOVEGROUND OR UNDERGROUND STORAGE TANKS OTHERWISE REGULATED.
    - (B) THE FUEL HANDLING REQUIREMENTS SHALL INCLUDE:
      1. LOCK DOWN WHEN IN USE. KEEP CONTAINERS CONTAINING REGULATED SUBSTANCES CLOSED AND SEALED;
      2. PLACE DRIP PANS UNDER SPIGOTS, VALVES, AND PUMPS;
      3. HAVE SPILL CONTROL AND CONTAINMENT EQUIPMENT READILY AVAILABLE IN ALL WORK AREAS;
      4. USE FUNNELS AND DRIP PANS WHEN TRANSFERRING REGULATED SUBSTANCES; AND
      5. PERFORM TRANSFERS OF REGULATED SUBSTANCES OVER AN IMPERVIOUS SURFACE.
    - (C) THE TRAINING OF ON-SITE EMPLOYEES AND THE ON-SITE POSTING OF RELEASE RESPONSE INFORMATION DESCRIBING WHAT TO DO IN THE EVENT OF A SPILL OF REGULATED SUBSTANCES.
    - (D) FUELING AND MAINTENANCE OF EXCAVATION, EARTHMOVING AND OTHER CONSTRUCTION EQUIPMENT WITHIN 100 FEET OF THE FUEL FILLER PORT TO THE NEW HAMPSHIRE DEPARTMENT OF ENVIRONMENTAL SERVICES [NOTE THESE REQUIREMENTS ARE SUMMARIZED IN WD-DWGB-22-6 BEST MANAGEMENT PRACTICES FOR FUELING AND MAINTENANCE OF EXCAVATION AND EARTHMOVING EQUIPMENT" OR ITS SUCCESSOR DOCUMENT. (SEE [HTTPS://WWW.DES.NH.GOV/SITES/GDFILES/EHBMT341FILES/DOCUMENTS/2020-01/DWGB-22-6.PDF](https://www.des.nh.gov/sites/gdfiles/ehbmt341files/documents/2020-01/dwgb-22-6.pdf))]
    - (E) FUELING AND MAINTENANCE OF EQUIPMENT:
      - (A) THE FOLLOWING SHALL APPLY TO ANY CONSTRUCTION EQUIPMENT THAT WILL BE FUELED FROM A TANK TRUCK OR OTHER CONTAINER THAT IS MOVED AROUND THE SITE:
        1. PORTABLE CONTAINMENT EQUIPMENT THAT IS SIZED TO CONTAIN THE MOST LIKELY VOLUME OF FUEL TO BE SPILLED DURING A FUEL TRANSFER SHALL BE USED, WHERE THE MOST LIKELY VOLUME TO BE SPILLED IS DETERMINED BASED ON THE FUEL TRANSFER RATE, THE AMOUNT OF FUEL BEING TRANSFERRED, THE DISTANCE BETWEEN THE HOSE NOZZLE AND PUMP SHUT OFF SWITCH, AND THE RESPONSE TIME OF PERSONAL AND EQUIPMENT AVAILABLE AT THE FACILITY;
        2. THE CONTAINMENT EQUIPMENT SHALL BE POSITIONED TO CATCH ANY FUEL SPILLS DUE TO OVERTIPPING THE EQUIPMENT AND ANY OTHER SPILLS THAT MIGHT OCCUR AT OR NEAR THE FUEL FILLER PORT TO THAT EQUIPMENT;
        3. THE TYPE OF CONTAINMENT EQUIPMENT USED AND ITS POSITIONING AND USE SHALL ACCOUNT FOR ALL OF THE DRIP POINTS ASSOCIATED WITH THE FUEL FILLING PORT AND THE HOSE FROM THE FUEL DELIVERY TRUCK;
        4. THE IMMEDIATE AREA WHILE FUELING IS BEING TRANSFERRED, TO ENSURE THAT ANY SPILLS WILL BE OF LIMITED FLOW.
      - (B) IF THE SITE WILL HAVE A FIXED LOCATION FOR FUELING CONSTRUCTION EQUIPMENT, THE FOLLOWING SHALL APPLY:
        1. ALL FUEL CONTAINERS, INCLUDING BUT NOT LIMITED TO SKID-MOUNTED TANKS, DRUMS, AND FIVE GALLON CANS, SHALL HAVE SECONDARY CONTAINMENT ELEMENTS:
          - (A) IS CAPABLE OF CONTAINING 110% OF THE VOLUME OF THE LARGEST FUEL STORAGE CONTAINER; AND
          - (B) HAS IMPERVIOUS FLOORING.
        2. SECONDARY CONTAINMENT FOR TANKS MAY COMPRISE A METAL, PLASTIC, POLYMER OR PRECAST CONCRETE VAULT PROVIDING 110 PERCENT OF THE VOLUME OF THE LARGEST FUEL STORAGE CONTAINER;
        3. FOR FUEL CONTAINERS, SECONDARY CONTAINMENT MAY COMPRISE CONTAINMENT ELEMENTS:
          - (A) IS ADJACENT TO THE FUEL CONTAINER(S); AND
          - (B) EXTENDS BEYOND THE FULL REACH, OR LENGTH, OF THE FUEL HOSE; AND
          - (C) SECONDARY AREAS MAY BE IN THE FORM OF A BASIN THAT IS:
            - (A) SLOPED DOWN TO A CENTRAL LOW POINT OR BERMED ALONG THE PERIMETER.
            - (B) LINED WITH A CONTINUOUS SHEET OF 20 MIL OR THICKER POLYMER MATERIAL OR APPROPRIATE GEOMEMBRANE LINER;
            - (C) BACKFILLED WITH AT LEAST 6 INCHES OF SAND.

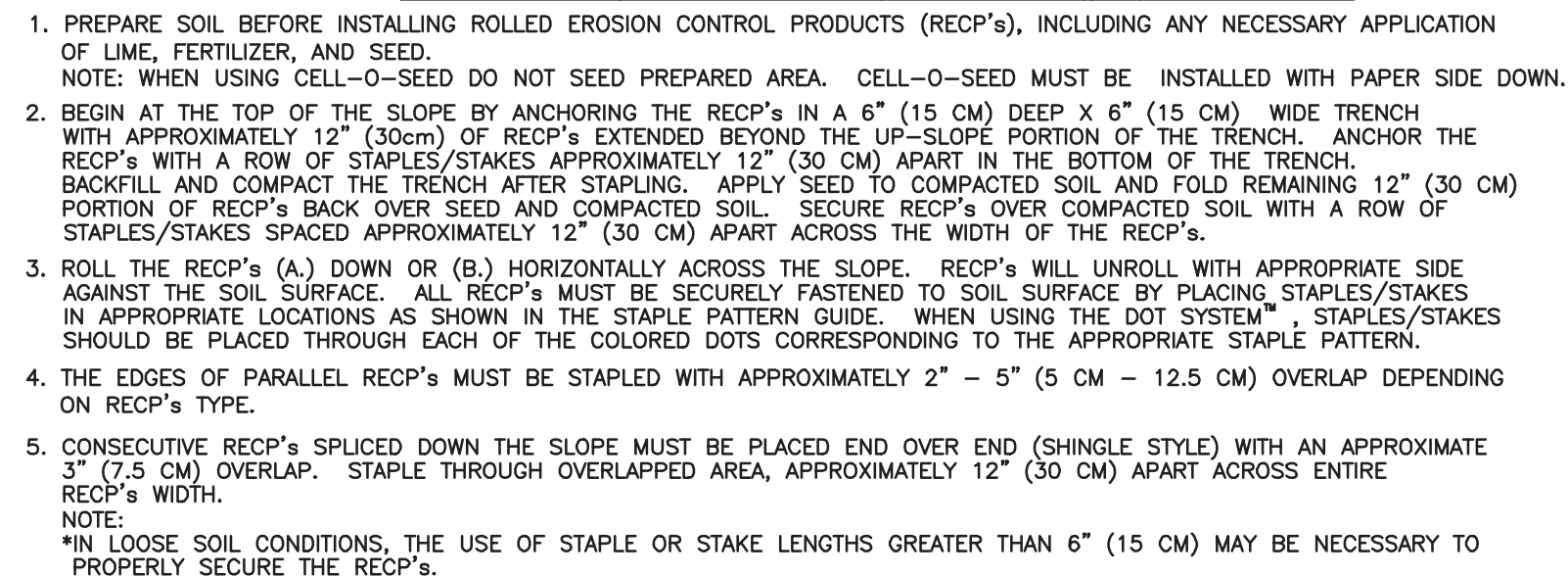
|                                                |  |                                                                                         |  |                                                                                      |  |                                          |     |                                      |       |                                                                                                                                                                 |  |
|------------------------------------------------|--|-----------------------------------------------------------------------------------------|--|--------------------------------------------------------------------------------------|--|------------------------------------------|-----|--------------------------------------|-------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| <div>10</div> <div>EROSION CONTROL NOTES</div> |  | <div>H.J. STABLE AND SON, INC.<br/>20 COTTON ROAD, SUITE 200<br/>NASHUA, NH 03063</div> |  | <div>UPTOWN CROSSING<br/>RESIDENTIAL SITE PLAN<br/>FISHER STREET<br/>DOVER, NH</div> |  | NOT FOR CONSTRUCTION FOR PERMIT USE ONLY |     | PLANNING FILE NO.:<br>SITE-2023-0015 |       | CIVILWORKS NEW ENGLAND<br><div>CIVIL &amp; WATERFRONT ENGINEERING</div> <div>181 Watson Road, PO Box 1166<br/>Dover, New Hampshire 03821<br/>603.745.0443</div> |  |
|                                                |  |                                                                                         |  |                                                                                      |  | DATE: 10-26-23                           |     |                                      |       |                                                                                                                                                                 |  |
|                                                |  |                                                                                         |  |                                                                                      |  | SCALE: 1"=30'                            |     |                                      |       |                                                                                                                                                                 |  |
|                                                |  |                                                                                         |  |                                                                                      |  | DRAWN BY: MAM                            |     |                                      |       |                                                                                                                                                                 |  |
|                                                |  |                                                                                         |  |                                                                                      |  | DESIGN BY: SJH                           |     |                                      |       |                                                                                                                                                                 |  |
|                                                |  |                                                                                         |  |                                                                                      |  | APPROVED BY: SJH                         | 2   | REV. PER TRC COMMENTS #2             | SJH   | 5-6-24                                                                                                                                                          |  |
|                                                |  |                                                                                         |  |                                                                                      |  | PROJECT NO: 2007                         | 1   | REV. PER TRC COMMENTS #1             | SJH   | 2-8-24                                                                                                                                                          |  |
|                                                |  |                                                                                         |  |                                                                                      |  | FILE NAME: SITE.DWG                      | NO. | REVISION                             | APP'D | DATE                                                                                                                                                            |  |





\* HORIZONTAL STAPLE SPACING SHOULD BE ALTERED IF NECESSARY TO ALLOW STAPLES TO SECURE THE CRITICAL POINTS ALONG THE CHANNEL SURFACE.

\*\* IN LOOSE SOIL CONDITIONS, THE USE OF STAPLE OR STAKE LENGTHS GREATER THAN 6" MAY NOT FULLY ANCHOR THE RECP's.



1. INSTALLATION ON ANY SLOPES 3:1 OR GREATER



1. SPECIFICATIONS
  - A. AGGREGATE SIZE: USE THREE (3) INCHES STONE, OR RECLAIMED OR RECYCLED CONCRETE EQUIVALENT.
  - B. AGGREGATE THICKNESS: NOT LESS THAN SIX (6) INCHES.
  - C. WIDTH TEN (10) FOOT MINIMUM, BUT NOT LESS THAN THE FULL WIDTH OF POINTS WHERE INGRESS OR EGRESS OCCURS.
  - D. LENGTH: AS REQUIRED, BUT NOT LESS THAN SEVENTY-FIVE (75) FEET. PIPING OF SURFACE WATER UNDER ENTRANCE SHALL BE PROVIDED AS REQUIRED.
  - E. GEOTEXTILE: TO BE PLACED OVER THE ENTIRE AREA TO BE COVERED WITH AGGREGATE.
  - F. CRITERIA FOR GEOTEXTILE: THE FABRICS SHALL BE TREVIA SPUNBOND 1135, MIRAFI 600X OR EQUAL.
2. MAINTENANCE

THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OF SEDIMENT ONTO PUBLIC HIGHWAY. WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON AN AREA STABILIZED WITH AGGREGATE WHICH DRAINS INTO AN APPROVED SEDIMENT TRAPPING DEVICE. ALL SEDIMENT SHALL BE PREVENTED FROM ENTERING STORM DRAINS, DITCHES, OR WATERWAYS.

NOT TO SCALE



DEPENDENT ON YOUR PARTICULAR APPLICATION, THE SILTSACK® CAN BE MADE FROM EITHER ONE OF THE ABOVE FABRICS WITH AN OIL-ABSORBANT PILLOW INSERT OR, MADE COMPLETELY FROM AN OIL-ABSORBANT SILTSACK®, WITH A WOVEN PILLOW INSERT.

NOTE: THE SILTSACK WILL BE MANUFACTURED FROM A WOVEN POLYPROPYLENE FABRIC THAT MEETS OR EXCEEDS THE FOLLOWING SPECIFICATIONS, AS SUPPLIED BY AH HARRIS OF PORTSMOUTH OR APPROVED EQUAL

(FOR AREAS OF LOW TO MODERATE PRECIPITATION AND RUN-OFF)

| PROPERTIES              | TEST METHOD | UNITS               |
|-------------------------|-------------|---------------------|
| GRAB TENSILE STRENGTH   | ASTM D-4632 | 300 LBS             |
| GRAB TENSILE ELONGATION | ASTM D-4632 | 20 %                |
| PUNCTURE                | ASTM D-4833 | 120 LBS             |
| MILLED BURST            | ASTM D-3786 | 800 PSI             |
| TRAPEZOID TEAR          | ASTM D-5533 | 120 LBS             |
| UV RESISTANCE           | ASTM D-3355 | 80 %                |
| APPARENT OPENING SIZE   | ASTM D-4751 | 40 US SIEVE         |
| FL CURE                 | ASTM D-4491 | 40 GAL/MIN/50 SQ FT |
| PERMITTIVITY            | ASTM D-4491 | 0.55 SEC -1         |

## FOR AREAS OF MODERATE TO HEAVY PRECIPITATION AND RUN-OFF

| PROPERTIES              | TEST METHOD | UNITS             |
|-------------------------|-------------|-------------------|
| GRAB TENSILE STRENGTH   | ASTM D-4632 | 265 LBS           |
| GRAB TENSILE ELONGATION | ASTM D-4632 | 20 %              |
| PUNCTURE                | ASTM D-4833 | 135 LBS           |
| MULLEN BURST            | ASTM D-3786 | 420 PSI           |
| TEAR                    | ASTM D-4533 | 45 LBS            |
| UV RESISTANCE           | ASTM D-4355 | 500 %             |
| APPARENT OPENING SIZE   | ASTM D-4571 | 20 US SIEVE       |
| FLOW RATE               | ASTM D-4491 | 200 GAL/MIN SQ FT |
| PERMITTIVITY            | ASTM D-4491 | 1.5 SEC.-1        |

2" x 2" Wooden Stakes  
Or Metal Stakes  
As Needed

FilterSoxx

3" - 4"

12"±

FilterSoxx Section

At Ends of Run  
Cross Stakes

Stake on  
10' Linear  
Spacing

Upslope

Downslope

FilterSoxx

FilterSoxx Staking Details

Notes:

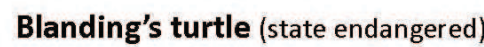
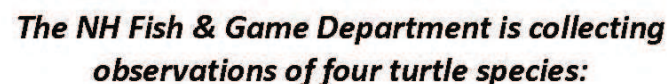
1. All material to meet Filtrrex specifications.
2. FilterSoxx compost/soil/rock/seed fill to requirements.
3. Compost material to be dispersed on site Engineer.

1. All material to meet Filtrxxx specifications
2. FilterSoxx compost/soil/rock/seed fill to meet application requirements.
3. Compost material to be dispersed on site, as determined by Engineer.

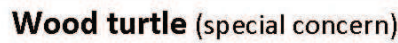


1. All material to meet Filtrax specifications
2. SiltSoxx compost/soil/rock/seed fill to meet application requirements.
3. SiltSoxx depicted is for minimum slopes. Greater slopes may require larger socks per the Engineer's recommendation.
4. Compost material to be dispersed on site, as determined by Engineer.

NOT TO SCALE



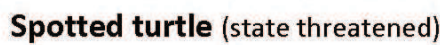
- Large, dark/black domed shell with lighter speckles
- Distinct yellow throat/chin
- Aquatic but often moves on land



- Sculpted, pyramidal brownish shell
- Orange around neck and limbs
- River/stream turtle spending many months on land



- Small terrestrial turtle with highly domed shell
- Irregular yellow or orange markings over brown/black base



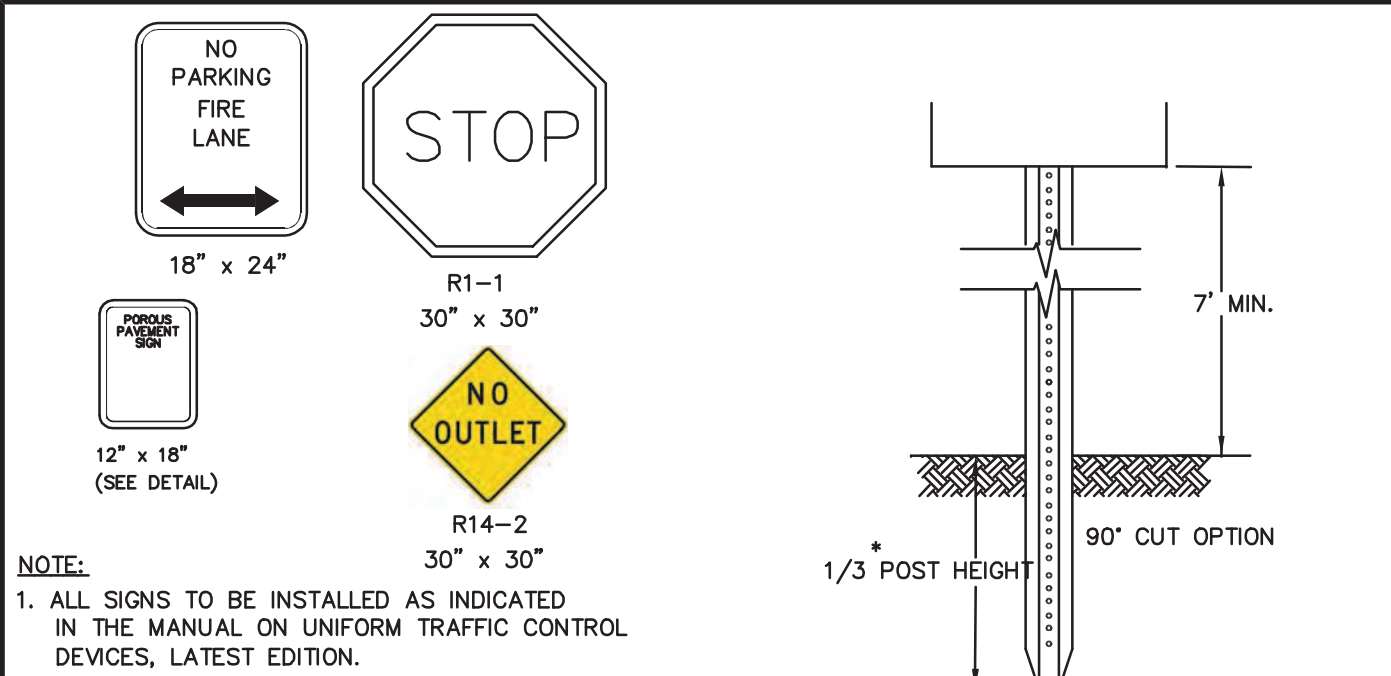
- Small, mostly aquatic with black or dark brown with yellow spots.
- Fairly flat shell compared to Blanding's turtle

**Report sightings to [RAARP@wildlife.nh.gov](mailto:RAARP@wildlife.nh.gov) or 603-271-2461** *Please report promptly, noting specific location and date – Photographs strongly encouraged*

- NOTES:
1. ALL OUTSIDE CONSTRUCTION PERSONNEL SHALL RECEIVE TRAINING IN THE IDENTIFICATION OF RARE TURTLE SPECIES AND MADE AWARE OF THEIR PROTECTED STATUS.
  2. THE USE OF WELDED PLASTIC OR "BIODEGRADABLE PLASTIC" NETTING OR THREAD IN EROSION CONTROL MATTING IS PROHIBITED.
  3. THE USE OF EROSION CONTROL BERM, WHITE FILITREX DEGRADABLE WOVEN SILT MATTING OR "WILLOW FRIENDLY" WOVEN ORGANIC MATERIAL (E.G. COCO OR JUTE MATTING SUCH AS NORTH AMERICAN GREEN SC150BN OR EQUIVALENT) ARE ACCEPTABLE FOR USE.
  4. IF WOOD, SPOTTED, OR BLANDING'S TURTLES ARE FOUND LAYING EGGS IN THE WORK AREA, PLEASE CONTACT MELISSA DOPRALSKI AT 271-1738 OR JOSH MEGYESY AT 271-1125 FOR FURTHER INSTRUCTIONS.

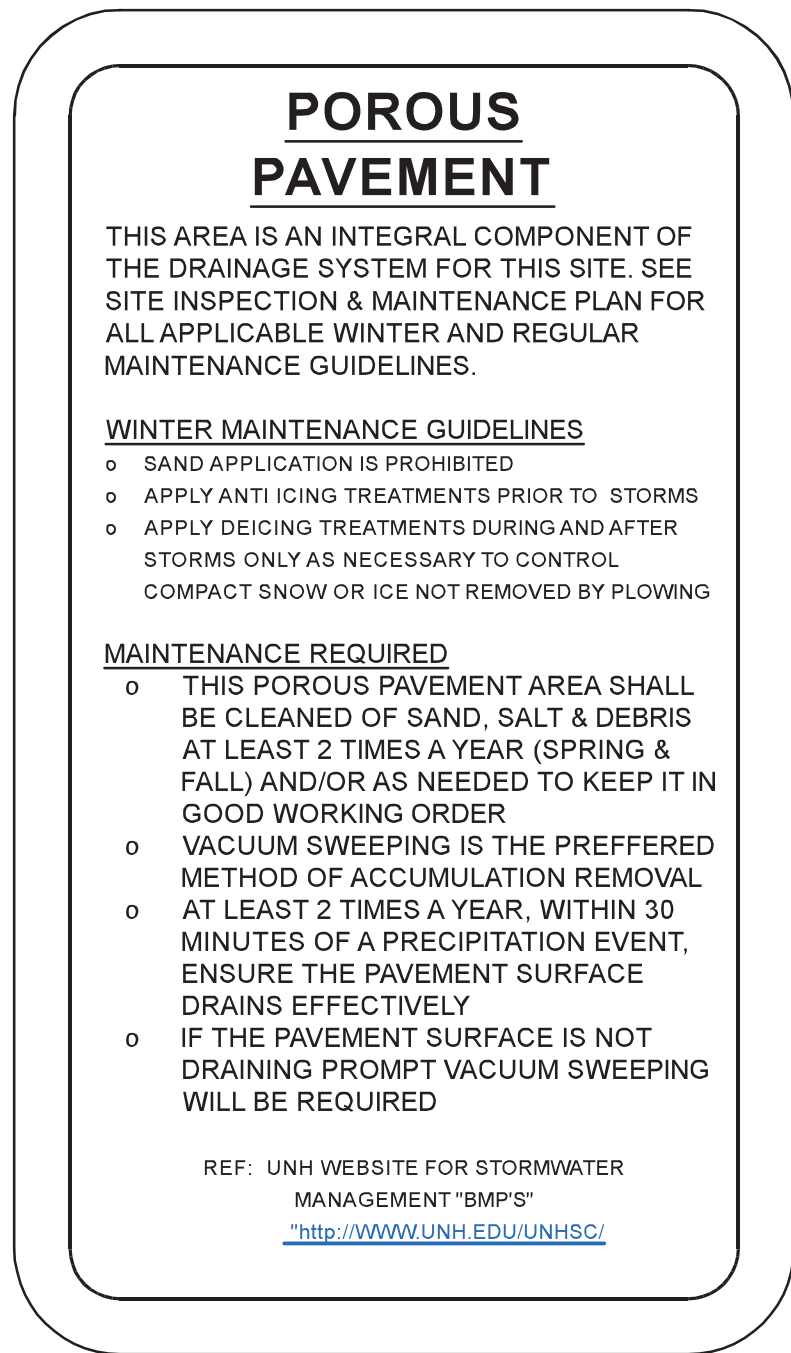
UPTOWN CROSSING  
RESIDENTIAL SITE PLAN  
FISHER STREET  
DOVER NH  
H.J. STABILE AND SON, INC.  
20 COTTON ROAD, SUITE 200  
NASHUA, NH 03063





LENGTH: AS REQUIRED  
WEIGHT PER LINEAR FOOT: 2.50 LBS (MIN.)  
HOLES: 3/8" DIAMETER, 1" C-C FULL LENGTH  
STEEL: SHALL CONFORM TO ASTM A-499 (GRADE 60) OR ASTM A-576 (GRADE 1070 - 1080)  
FINISH: SHALL BE PAINTED WITH TWO COATS OF AN APPROVED MEDIUM GREEN  
BAKED ON OR AIR DRIED, PAINT OF WEATHER RESISTANT QUALITY.  
ALL FABRICATION SHALL BE COMPLETE BEFORE PAINTING.

SIGN LEGEND & SIGN POST  
NOT TO SCALE



POROUS PAVEMENT SIGN DETAIL  
NOT TO SCALE

## Rectangular Rapid-Flash Beacon (RRFB) LED Crosswalk Warning System



- EQUIPMENT REQUIRED
- SOLAR POWERED RRFB CROSSWALK SYSTEM C/O: WITH AUDIBLE ALARM
- |        |                    |                                                           |
|--------|--------------------|-----------------------------------------------------------|
| 2 EACH | PB-510014-PNC      | 14' ALUMINUM PEDESTAL - NATURAL FINISH                    |
| 2 EACH | PB-5334-PNC        | SQUARE SIGNAL BASE ALUMINUM - NATURAL FINISH              |
| 2 EACH | 55WATT DOLOR       | 55WATT SOLAR CONTROL CABINET ASSEMBLY - NATURAL FINISH    |
| 2 EACH | 480HR BATTERY      | W/(1) 480HR SOLAR BATTERY                                 |
| 2 EACH | MODEL BLINKER BEAM | & (1) TAPCO WIRELESS RADIO UNIT                           |
| 4 EACH | MODEL RRFB-XL2     | RRFB LIGHT BAR W/2 SIDE PED INDICATION LIGHT - BLACK      |
| 2 EACH | MODEL BULLDOG III  | PEDESTRIAN PUSHBUTTON W/9x12 FRAME & R10-25 SIGN - YELLOW |
| 4 EACH | W11-2              | 30" S1-1. 080DG3 SCHOOL CROSSING SYMBOL                   |
| 2 EACH | W16-7pl            | 24"x12" W16-7pl DOWN LEFT ARROW SIGN - FYG                |
| 2 EACH | W16-7pR            | 24"x12" W16-7pR DOWN RIGHT ARROW SIGN - FYG               |

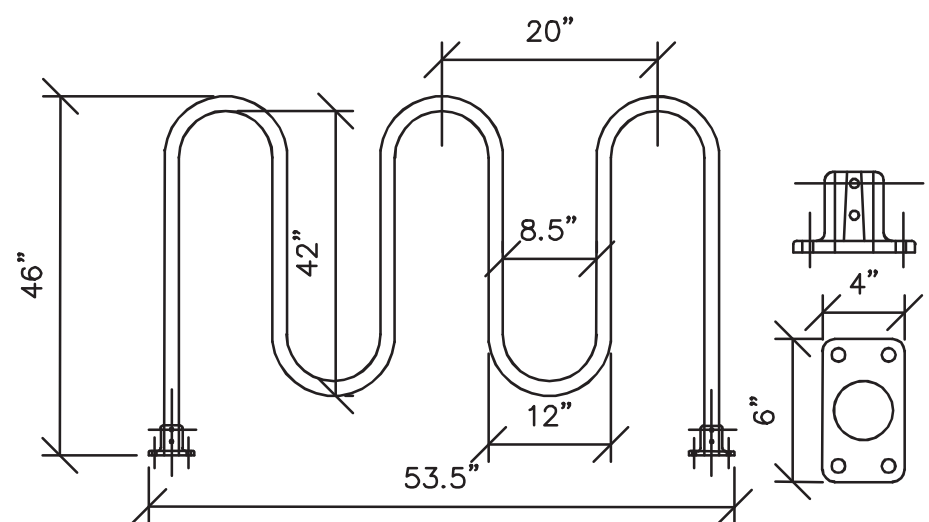
AS PROVIDED BY: TRAFFIC AND PARKING CONTROL CO.  
1-800-236-0112  
TAPCONET.COM

OR APPROVED EQUAL

NOTES:

- TO BE INSTALLED AT THE EXISTING TRAIL CROSSING ON FISHER STREET. COORDINATE LOCATION WITH CITY ENGINEER
- PURCHASING OF RRFB WILL BE COORDINATED WITH THE CITY OF DOVER COMMUNITY SERVICES DEPARTMENT.

RRFB CROSSWALK SIGN DETAIL  
NOT TO SCALE

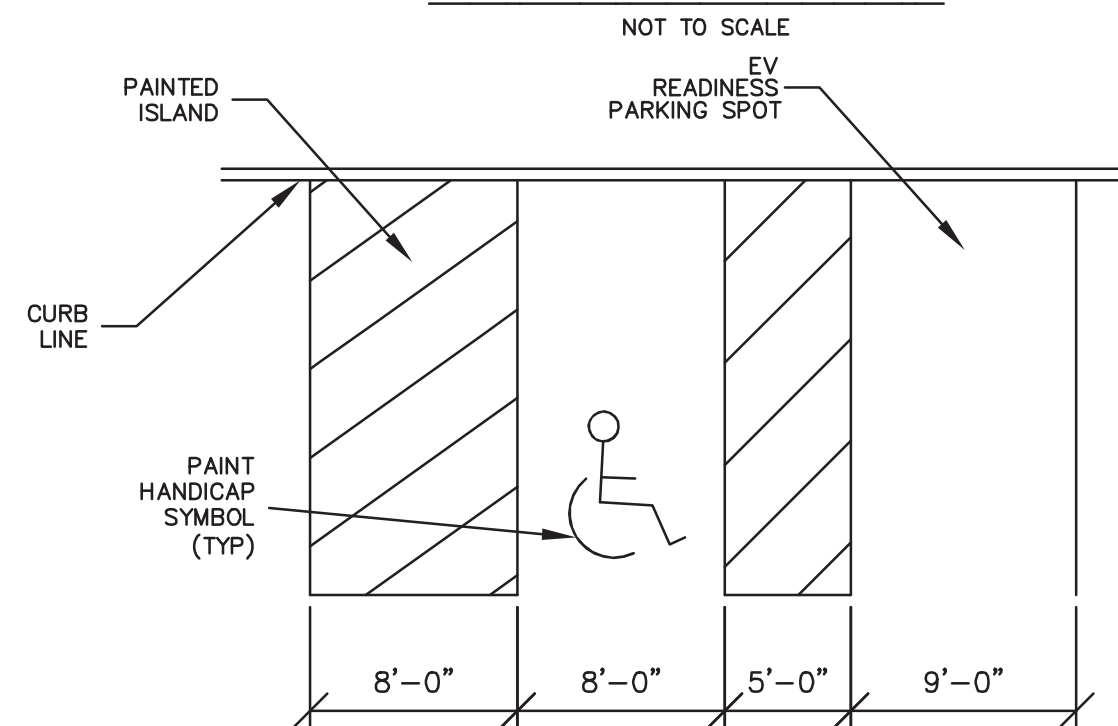


BIKE RACK DETAIL  
NOT TO SCALE



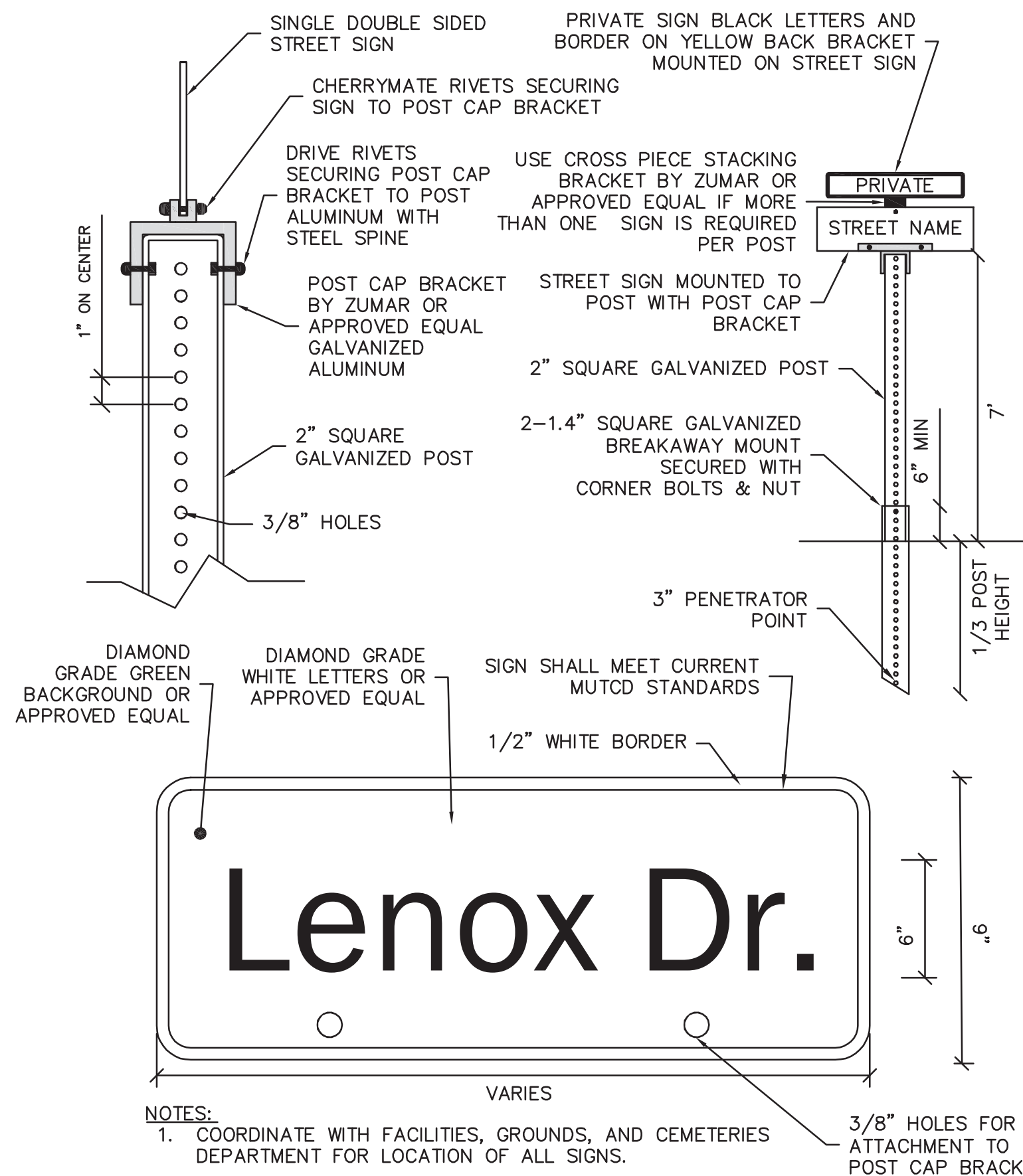
- NOTES:
- THE CONCRETE PAD SHALL BE DESIGNED BY A LICENSED PROFESSIONAL ENGINEER SPECIFACALLY TO SUPPORT KIOSK STRUCTURE.
  - SHOP DRAWINGS TO BE PROVIDED TO THE CITY OF DOVER DURING CONSTRUCTION.

## MAIL KIOSK DETAIL



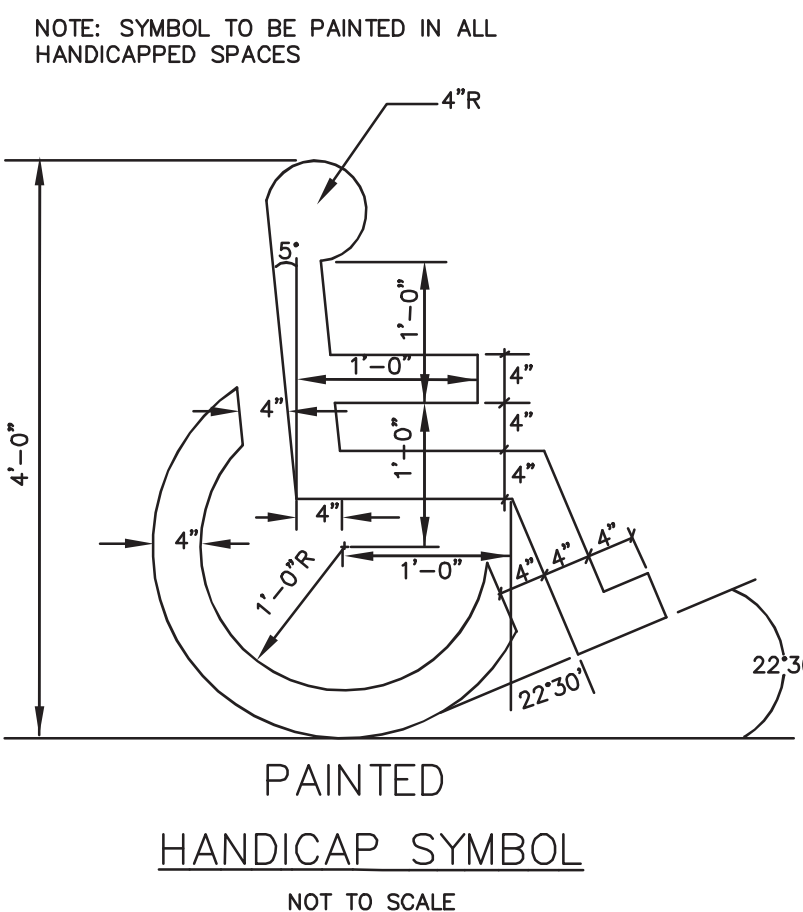
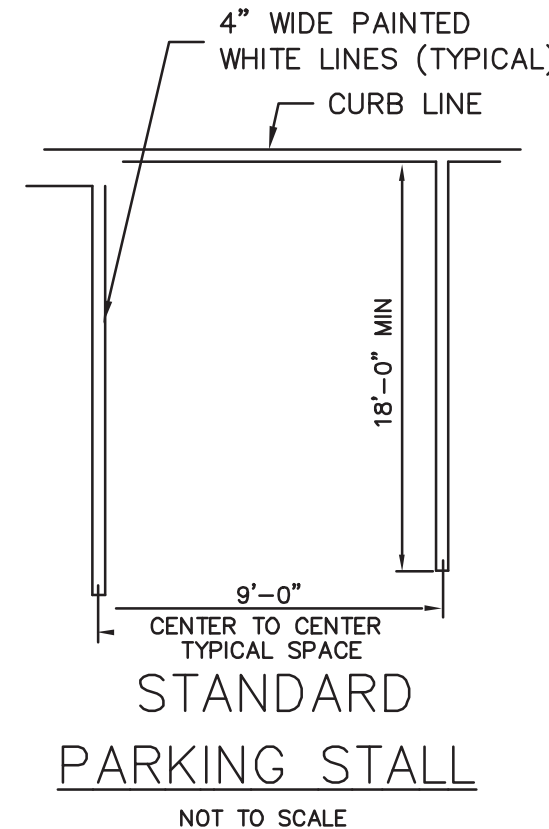
## ACCESSIBLE PARKING LAYOUT

NOT TO SCALE



- NOTES:
- COORDINATE WITH FACILITIES, GROUNDS, AND CEMETERIES DEPARTMENT FOR LOCATION OF ALL SIGNS.

CITY OF DOVER D-1 STREET SIGN DETAIL  
NOT TO SCALE



|                                          |               |                                   |               |                                                                                                      |                          |
|------------------------------------------|---------------|-----------------------------------|---------------|------------------------------------------------------------------------------------------------------|--------------------------|
| NOT FOR CONSTRUCTION FOR PERMIT USE ONLY |               | PLANNING FILE NO.: SITE-2023-0015 |               | CIVILWORKS NEW ENGLAND<br>181 Watson Road, PO Box 1166<br>Dover, New Hampshire 03821<br>603.745.0443 |                          |
|                                          |               |                                   |               | 5-6-24                                                                                               | 2-8-24                   |
|                                          |               |                                   |               | SH                                                                                                   | SH                       |
|                                          |               |                                   |               | REV. PER TRC COMMENTS #2                                                                             | REV. PER TRC COMMENTS #1 |
|                                          |               |                                   |               | APPD                                                                                                 | DATE                     |
| DATE: 10-26-23                           | SCALE: 1"=30' | DRAWN BY: MAM                     | DESIGN BY: SH | PROJECT NO: 2007                                                                                     | FILE NAME: SITE.DWG      |
|                                          |               |                                   |               | 1                                                                                                    |                          |
|                                          |               |                                   |               | REVISION                                                                                             |                          |

## DETAIL SHEET

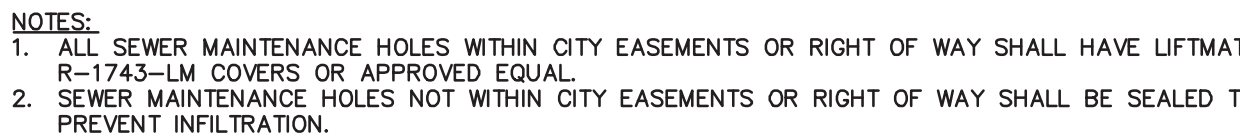
UPTOWN CROSSING  
RESIDENTIAL SITE PLAN  
FISHER STREET  
DOVER, NH

H.J. STABLE AND SON, INC.  
20 COTTON ROAD, SUITE 200  
NASHUA, NH 03063

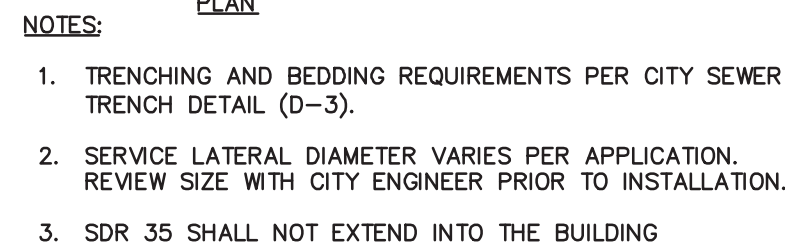




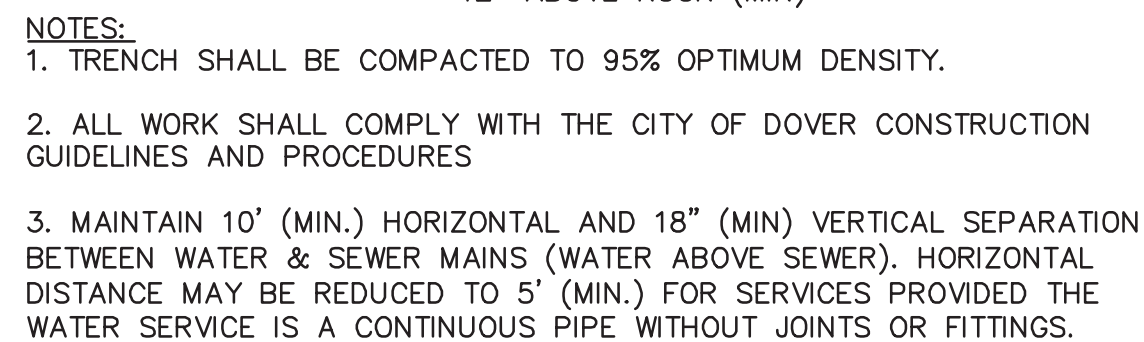




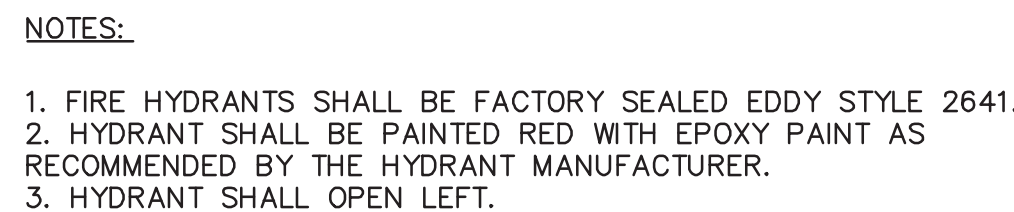
CITY OF DOVER D-16  
SEWER MANHOLE DETAIL  
*NOT TO SCALE*



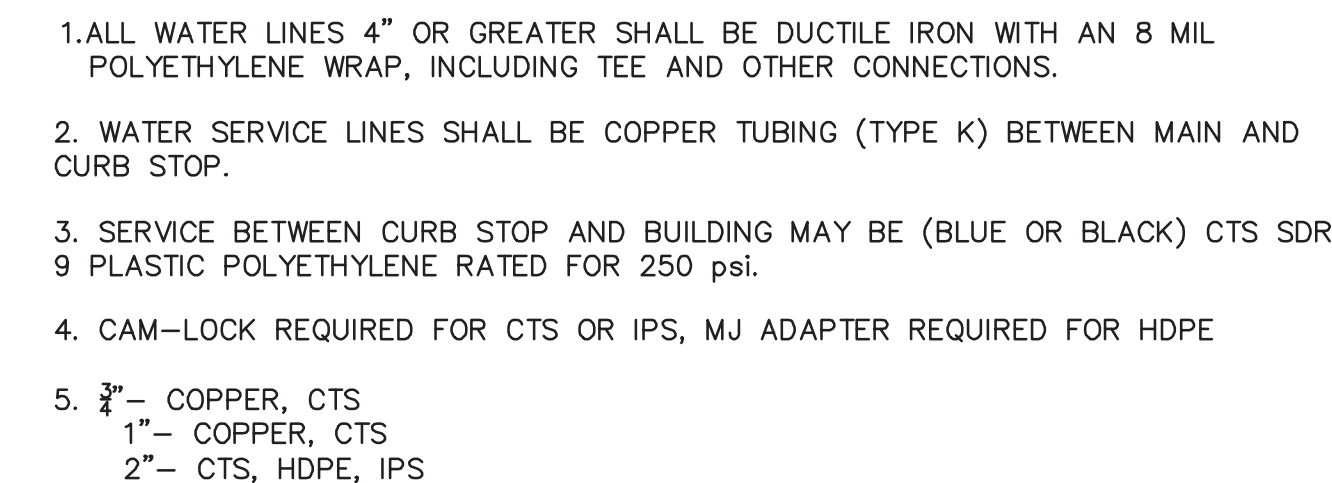
CITY OF DOVER D-17  
SEWER SERVICE DETAIL  
*NOT TO SCALE*



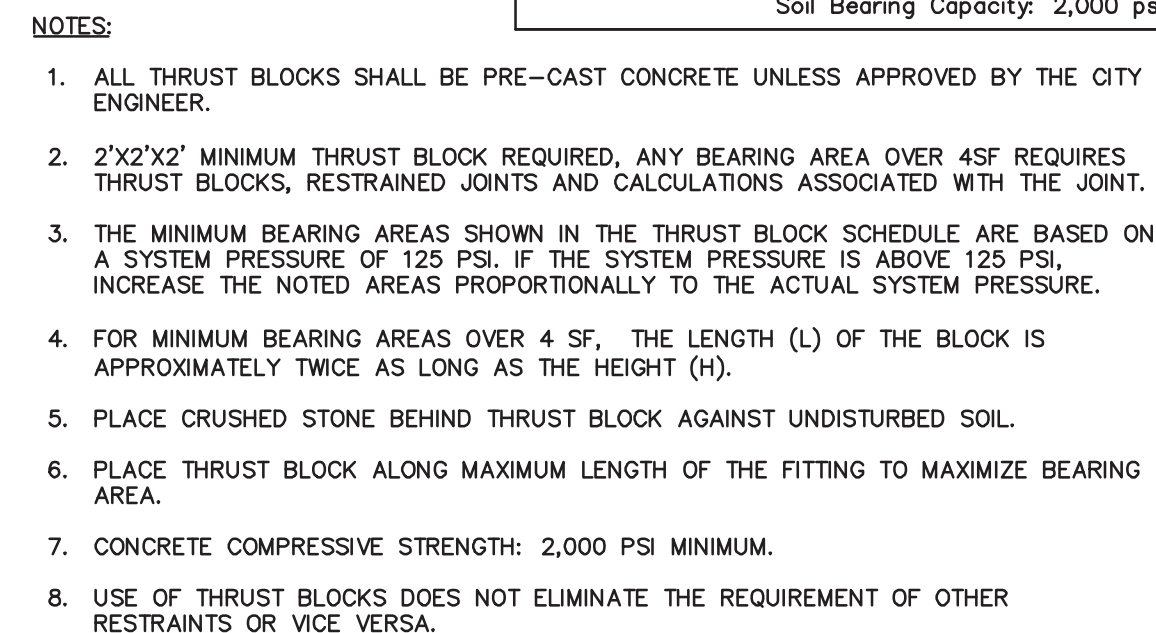
CITY OF DOVER  
TYPICAL TRENCH DETAIL  
*NOT TO SCALE*



CITY OF DOVER D-14  
FIRE HYDRANT DETAIL  
*NOT TO SCALE*



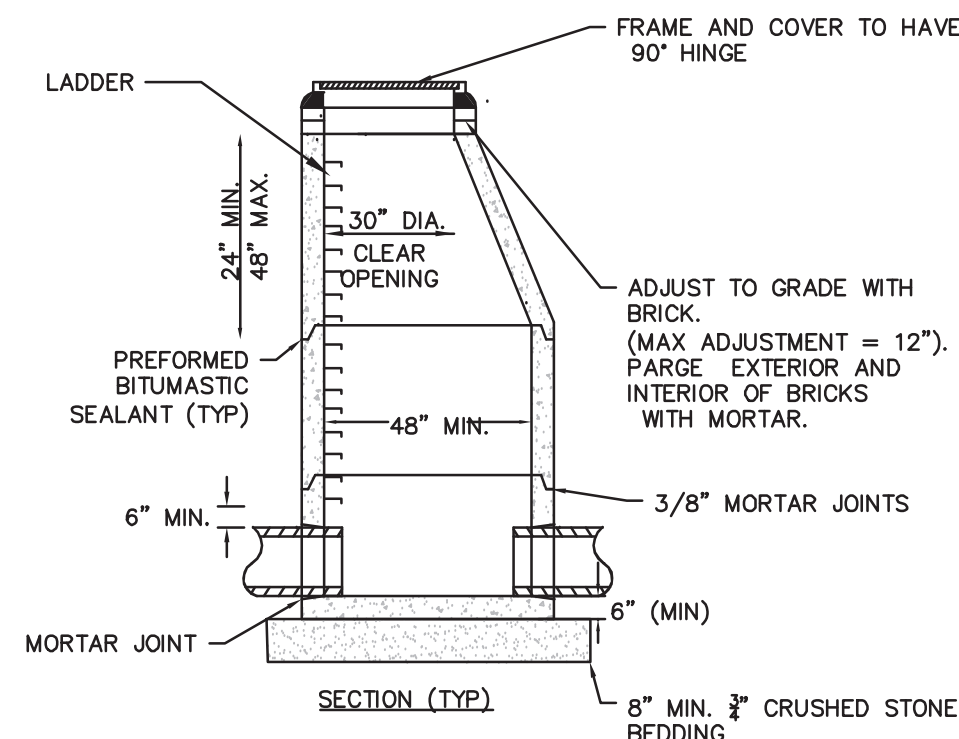
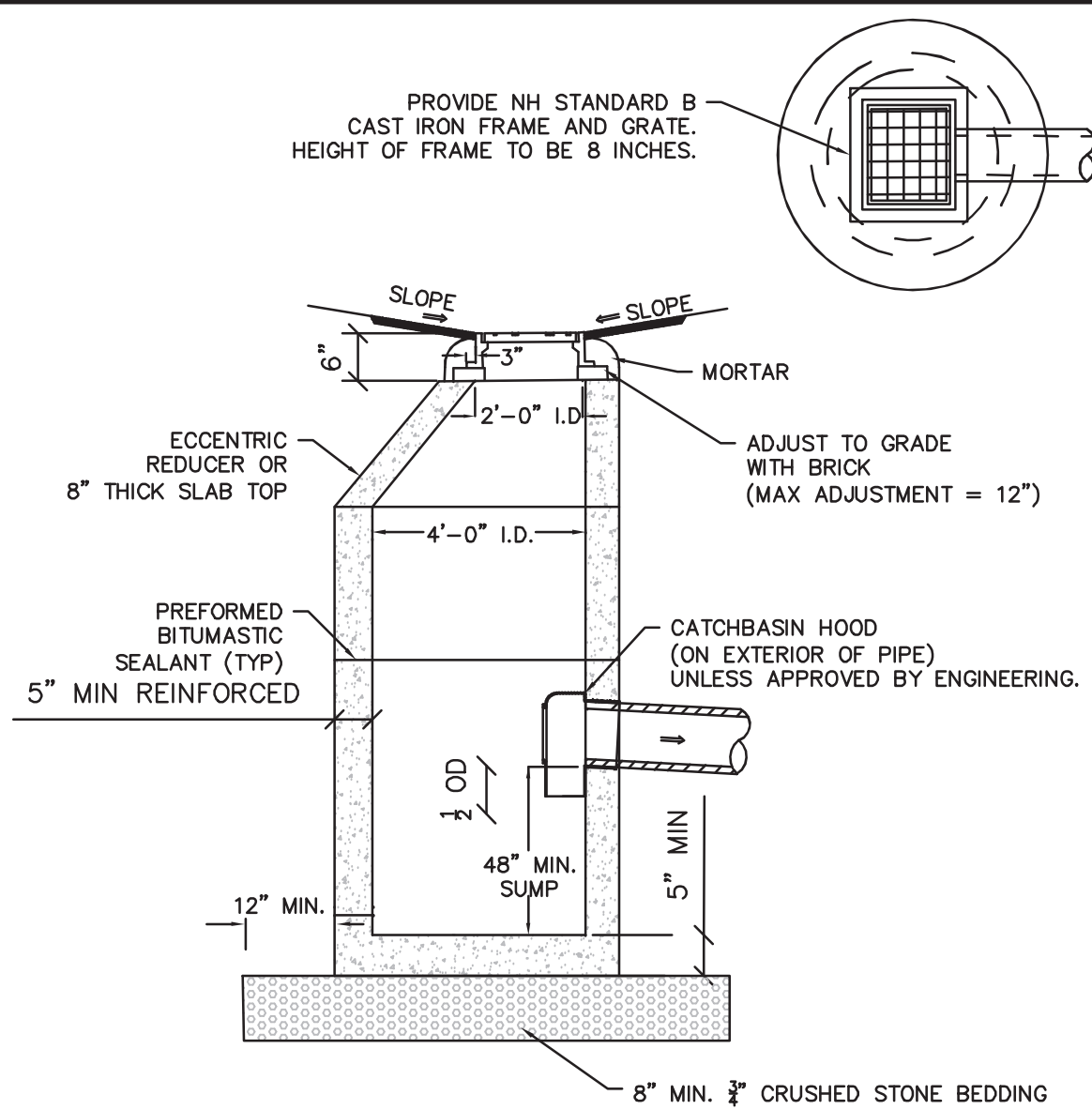
CITY OF DOVER D-13  
WATER SERVICE CONNECTION DETAIL  
 NOT TO SCALE



CITY OF DOVER D-15  
THRUST BLOCK DETAIL  
NOT TO SCALE

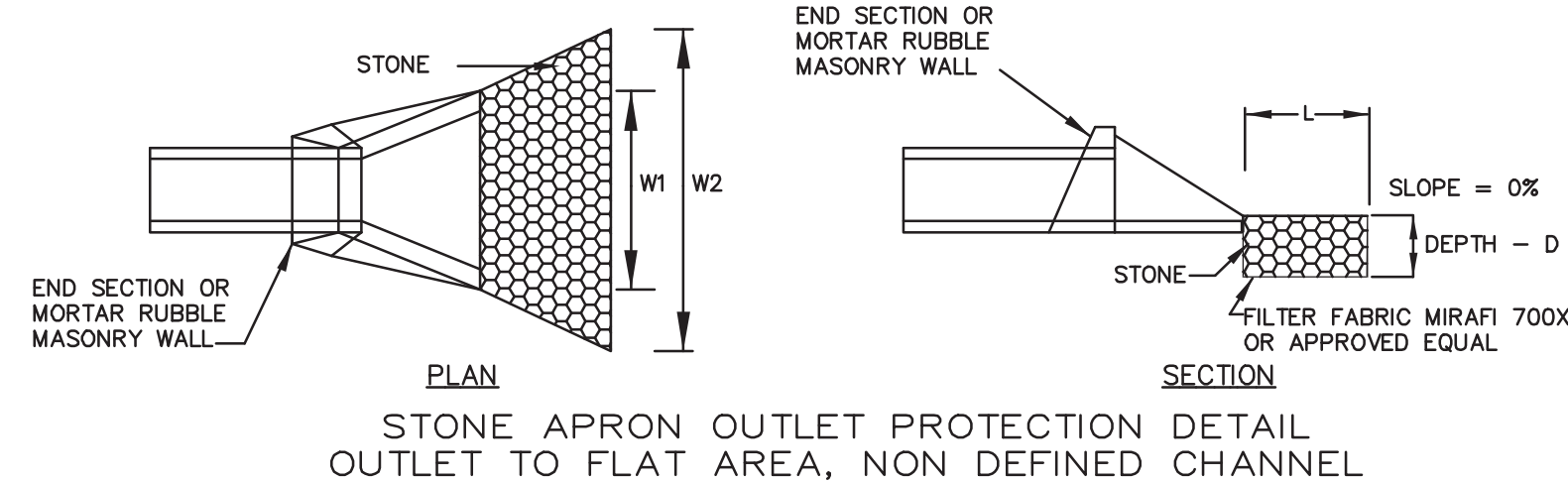
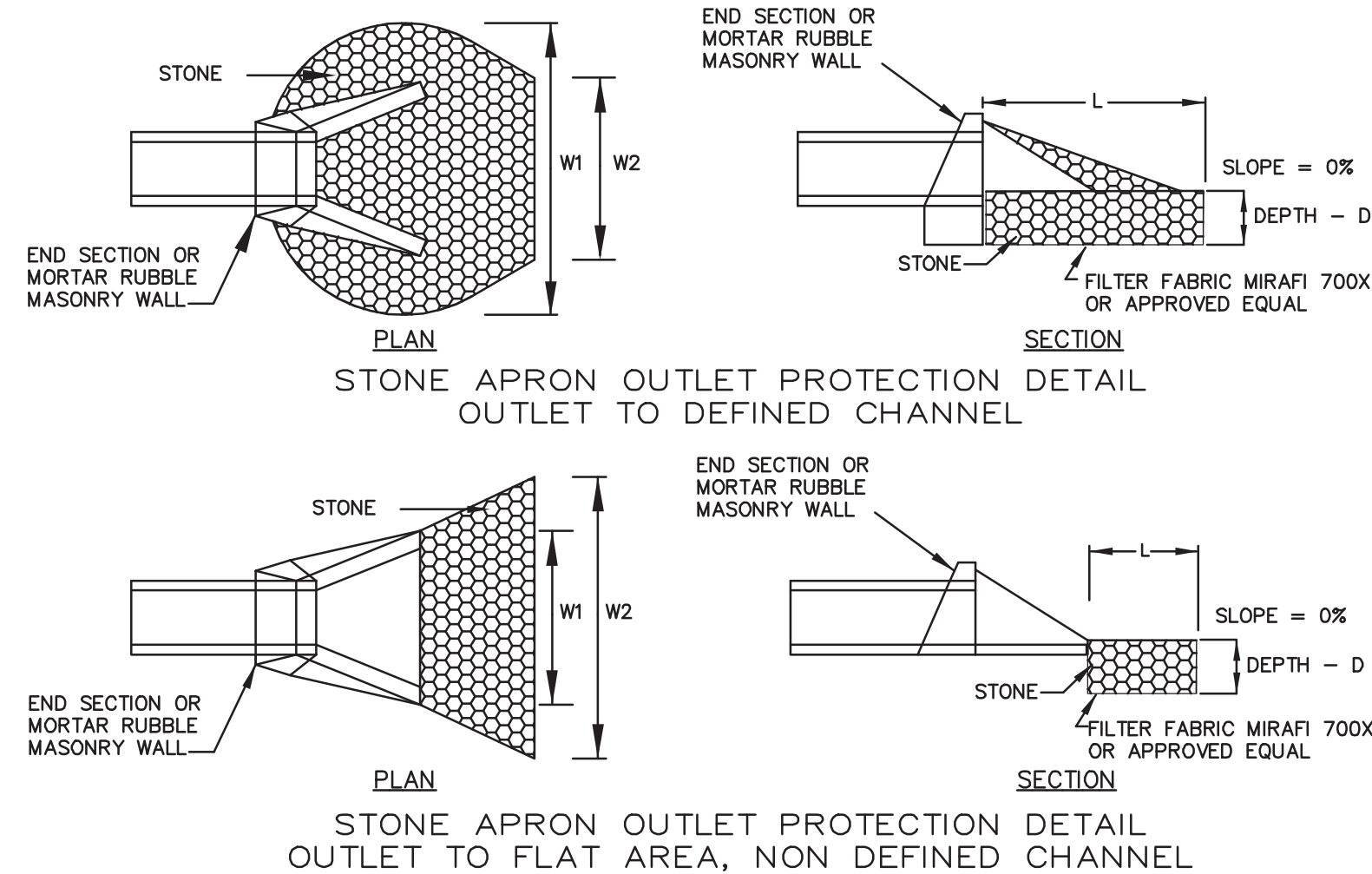
|                                                                                                                                                                                                      |  |                     |  |     |  |                          |  |       |  |        |  |  |  |                                                                                      |  |  |  |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|---------------------|--|-----|--|--------------------------|--|-------|--|--------|--|--|--|--------------------------------------------------------------------------------------|--|--|--|
| <div>14</div> <div><div>UPTOWN CROSSING<br/>RESIDENTIAL SITE PLAN<br/>FISHER STREET<br/>DOVER, NH</div><div>H.J. STABLE AND SON, INC.<br/>20 COTTON ROAD, SUITE 200<br/>NASHUA, NH 03063</div></div> |  |                     |  |     |  |                          |  |       |  |        |  |  |  | NOT FOR CONSTRUCTION FOR PERMIT USE ONLY<br><br>PLANNING FILE NO.:<br>SITE-2023-0015 |  |  |  |
|                                                                                                                                                                                                      |  | DETAIL SHEET        |  |     |  |                          |  |       |  |        |  |  |  |                                                                                      |  |  |  |
|                                                                                                                                                                                                      |  | DATE: 10-26-23      |  |     |  |                          |  |       |  |        |  |  |  |                                                                                      |  |  |  |
|                                                                                                                                                                                                      |  | SCALE: 1"=30'       |  |     |  |                          |  |       |  |        |  |  |  |                                                                                      |  |  |  |
|                                                                                                                                                                                                      |  | DRAWN BY: MAM       |  |     |  |                          |  |       |  |        |  |  |  |                                                                                      |  |  |  |
|                                                                                                                                                                                                      |  | DESIGN BY: SJH      |  |     |  |                          |  |       |  |        |  |  |  |                                                                                      |  |  |  |
|                                                                                                                                                                                                      |  | APPROVED BY/SJH     |  | 2   |  | REV. PER TRC COMMENTS #2 |  | SJH   |  | 5-6-24 |  |  |  |                                                                                      |  |  |  |
|                                                                                                                                                                                                      |  | PROJECT NO: 200717  |  | 1   |  | REV. PER TRC COMMENTS #1 |  | SJH   |  | 2-8-24 |  |  |  |                                                                                      |  |  |  |
|                                                                                                                                                                                                      |  | FILE NAME: SITE.DWG |  | NO. |  | REVISION                 |  | APP'D |  | DATE   |  |  |  |                                                                                      |  |  |  |
| <div>CIVILWORKS NEW ENGLAND</div> <div>CIVIL &amp; WATERWENT ENGINEERS</div> <div>181 Watson Road, PO Box 1166</div> <div>Dover New Hampshire 03821</div> <div>603.749.0443</div>                    |  |                     |  |     |  |                          |  |       |  |        |  |  |  |                                                                                      |  |  |  |





1. ENTIRE STRUCTURE SHALL BE H-20 LOAD RATED. PROVIDE MANUFACTURER REINFORCEMENT DETAILS TO THE CITY ENGINEER UPON REQUEST.

1. CORINGS TO BE SEPARATED BY 6" (MINIMUM) OF MONOLITHIC SECTION



## MAINTENANCE

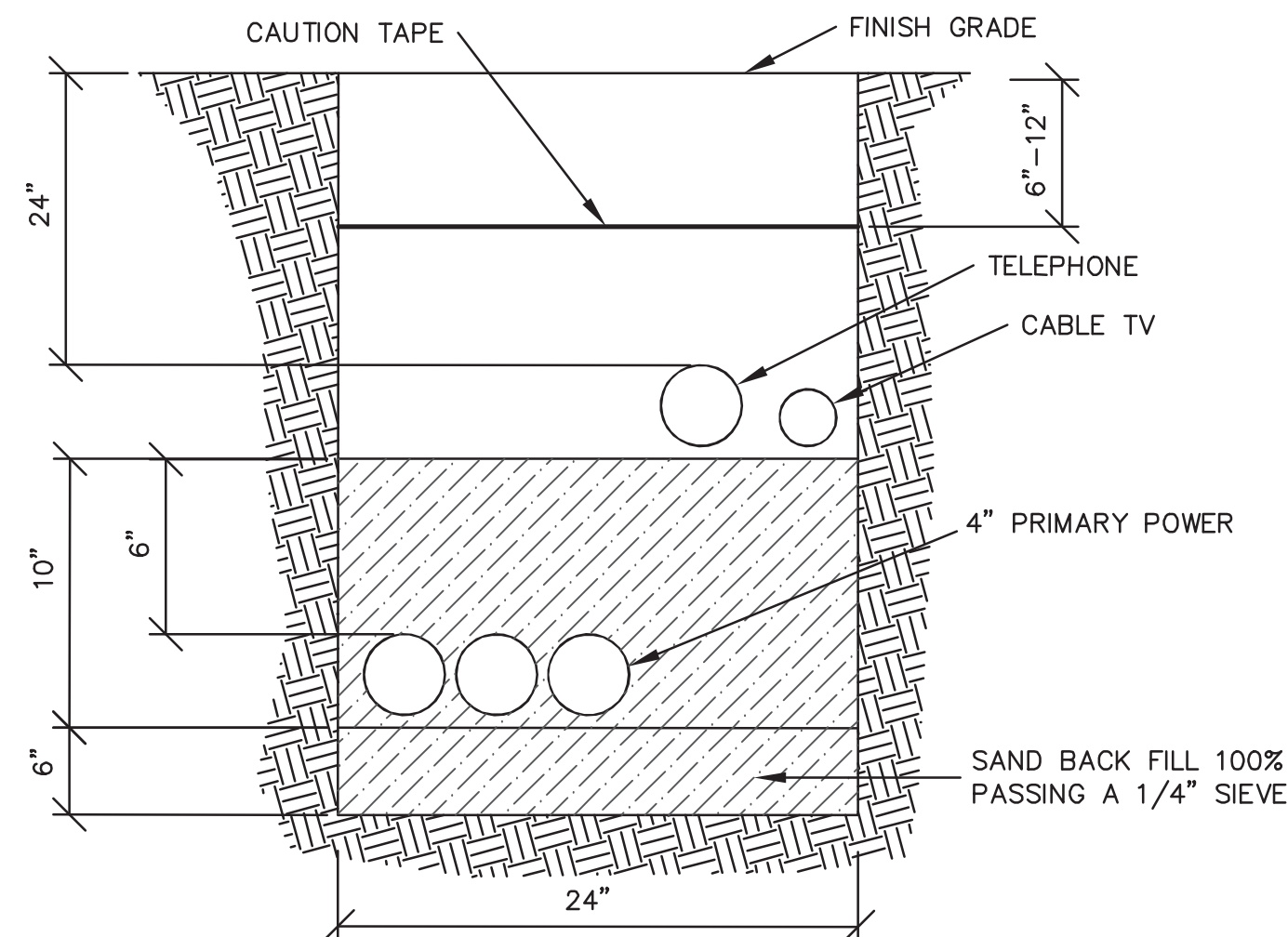
THE OUTLET PROTECTION SHOULD BE CHECKED AT LEAST ANNUALLY AND AFTER EVERY MAJOR STORM. IF THE RIPRAP HAS BEEN DISPLACED, UNDERMINED OR DAMAGED, IT SHOULD BE REPAIRED IMMEDIATELY. THE CHANNEL IMMEDIATELY BELOW THE OUTLET SHOULD BE CHECKED TO SEE THAT EROSION IS NOT OCCURRING. THE DOWNSTREAM CHANNEL SHOULD BE KEPT CLEAR OF OBSTRUCTIONS SUCH AS FALLEN TREES, DEBRIS, AND SEDIMENT THAT COULD CHANGE FLOW PATTERNS AND/OR TAILWATER DEPTHS ON THE PIPES. REPAIRS MUST BE CARRIED OUT IMMEDIATELY TO AVOID ADDITIONAL DAMAGE TO THE OUTLET PROTECTION APRON.

## CONSTRUCTION SPECIFICATIONS

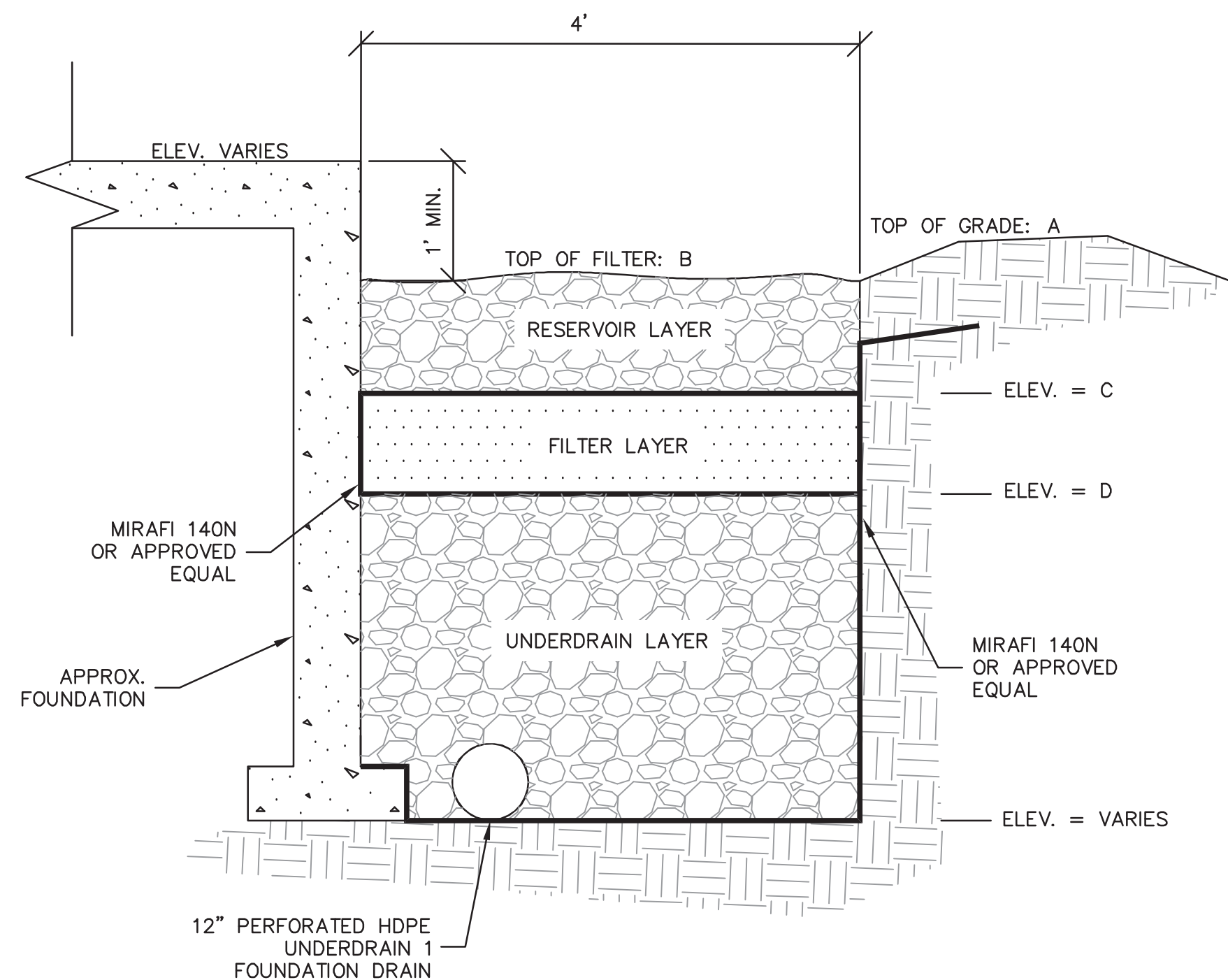
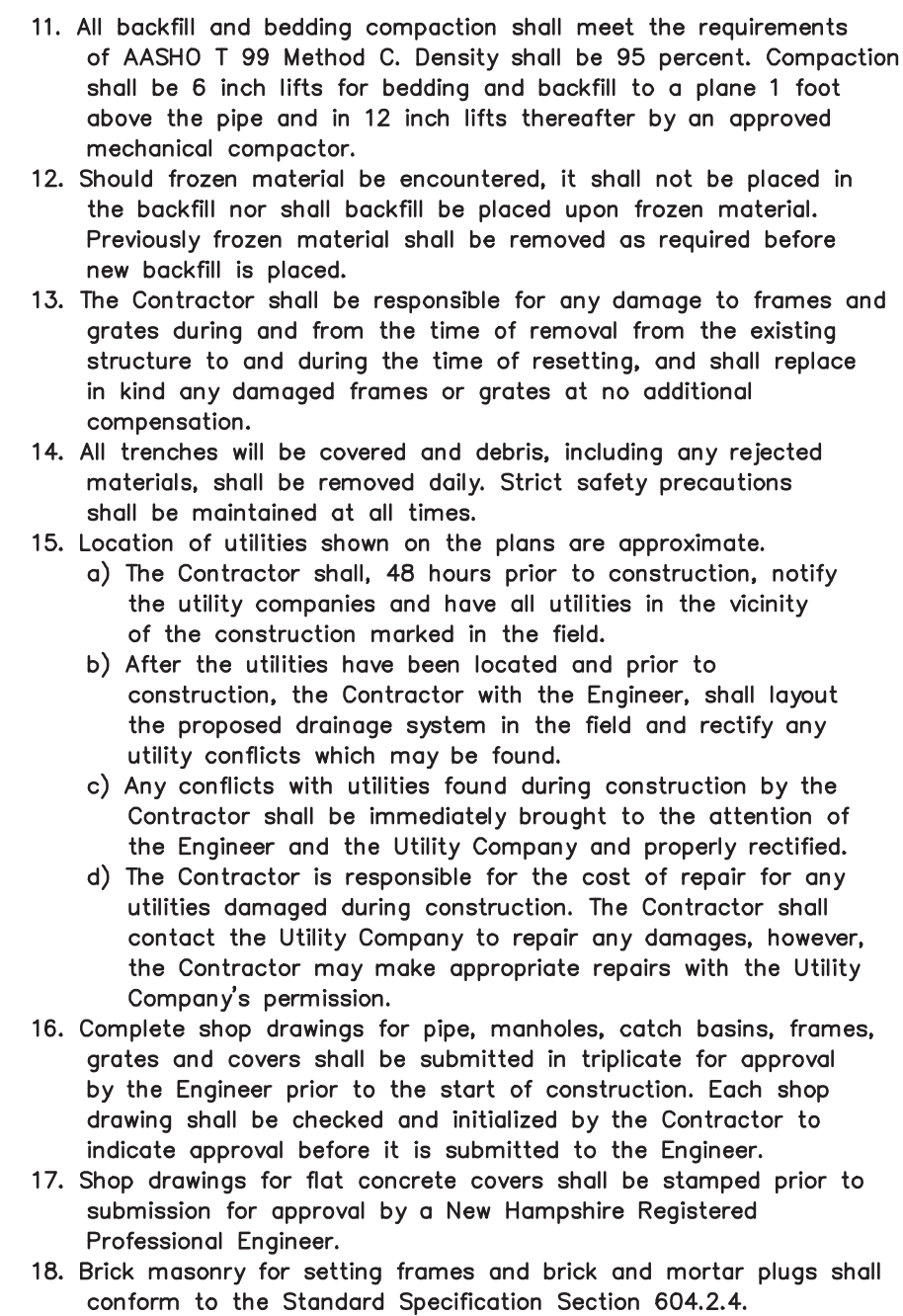
1. THE SUBGRADE FOR THE FILLER MATERIAL, GEOTEXTILE FABRIC, AND RIPRAP SHALL BE PREPARED TO THE LINES AND GRADES SHOWN ON THE PLANS.
2. THE ROCK OR GRAVEL USED FOR FILTER OR RIPRAP SHALL CONFORM TO THE SPECIFIED GRADATION.
3. GEOTEXTILE FABRICS SHALL BE PROTECTED FROM PUNCTURE OR TEARING DURING THE PLACEMENT OF THE ROCK RIPRAP. DAMAGED AREAS IN THE FABRIC SHALL BE REPAIRED BY PLACING A PIECE OF FABRIC OVER THE DAMAGED AREA OR BY COMPLETE REPLACEMENT OF THE FABRIC. ALL OVERLAPS REQUIRED FOR JOINING TWO PIECES OF FABRIC SHALL BE A MINIMUM OF 12 INCHES.
4. STONE FOR THE RIP RAP MAY BE PLACED BY EQUIPMENT AND SHALL BE CONSTRUCTED TO THE FULL LAYER THICKNESS IN ONE OPERATION AND IN SUCH A MANNER AS TO PREVENT SEGREGATION OF THE STONE SIZES.

| OUTLET FROM | W1(<ft) | W2(<ft) | L(<ft) | D (<ft) | D50(IN) | CHANNEL TYPE |
|-------------|---------|---------|--------|---------|---------|--------------|
| DE1         | 3       | 11      | 8      | 1       | 6       | UNDEFINED    |
| DE2         | 3       | 11      | 8      | 1       | 6       | UNDEFINED    |
| BP1         | 3       | 16      | 13     | 1       | 6       | UNDEFINED    |
| BP2         | 8       | 2       | 10     | 1       | 6       | DEFINED      |

RIP RAP OUTLET PROTECTION  
NOT TO SCALE



1. TELEPHONE CONDUIT SHALL BE 3" SCHEDULE 40 PVC, WITH STEEL SWEEPS AT RISER POLE, 90° BENDS AND AT BUILDING.
2. LEAVE PULL ROPE IN ALL CONDUITS FOR CABLE INSTALLATION.
3. FOR COMPLETE SPECIFICATIONS SEE "PUBLIC SERVICE COMPANY OF NEW HAMPSHIRE CONSTRUCTION SPECIFICATIONS FOR UNDERGROUND CONDUIT SYSTEMS".
4. CONTRACTOR TO VERIFY THE NUMBER & SIZE OF CONDUIT WITH THE APPROPRIATE UTILITY.



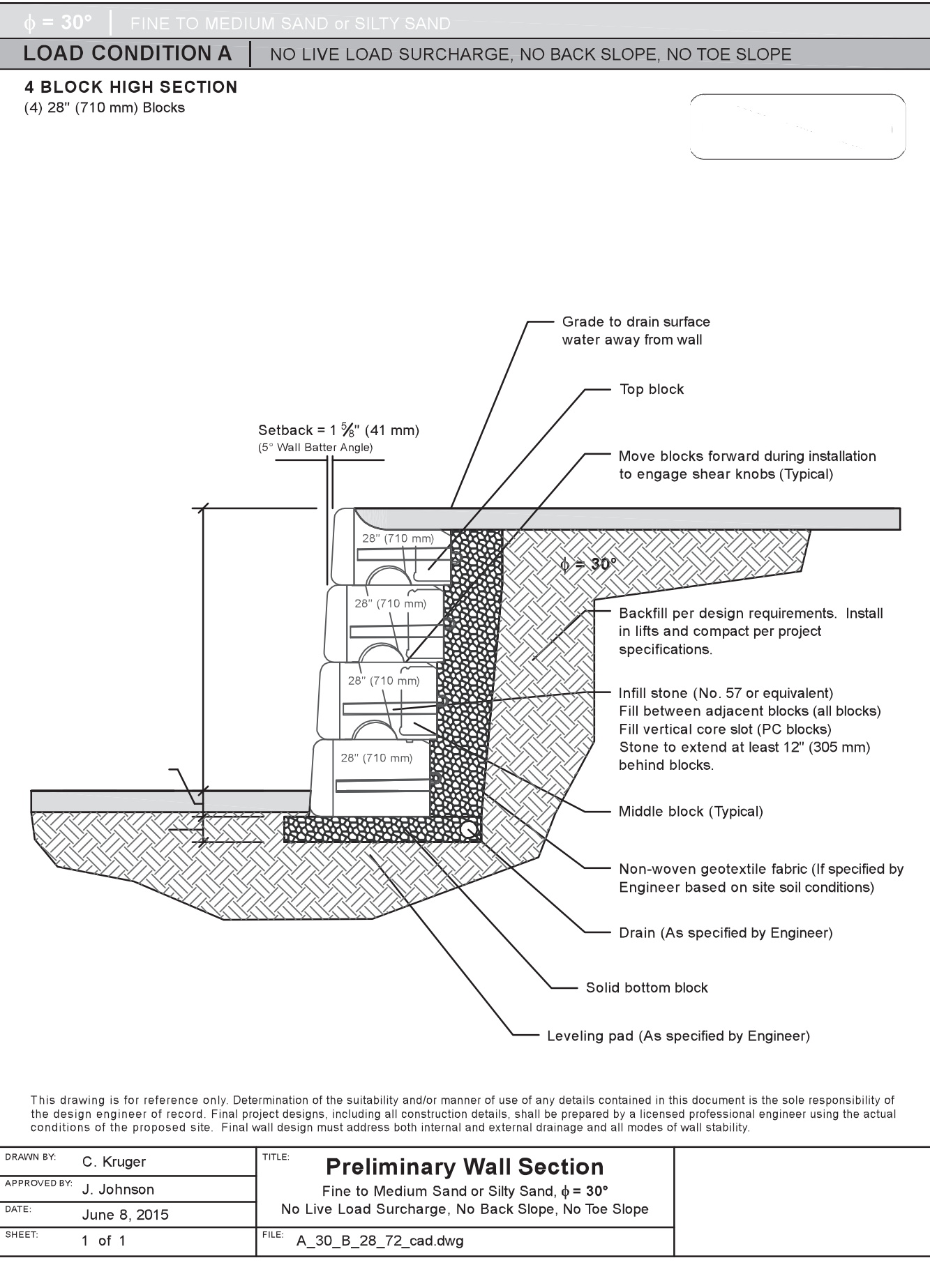
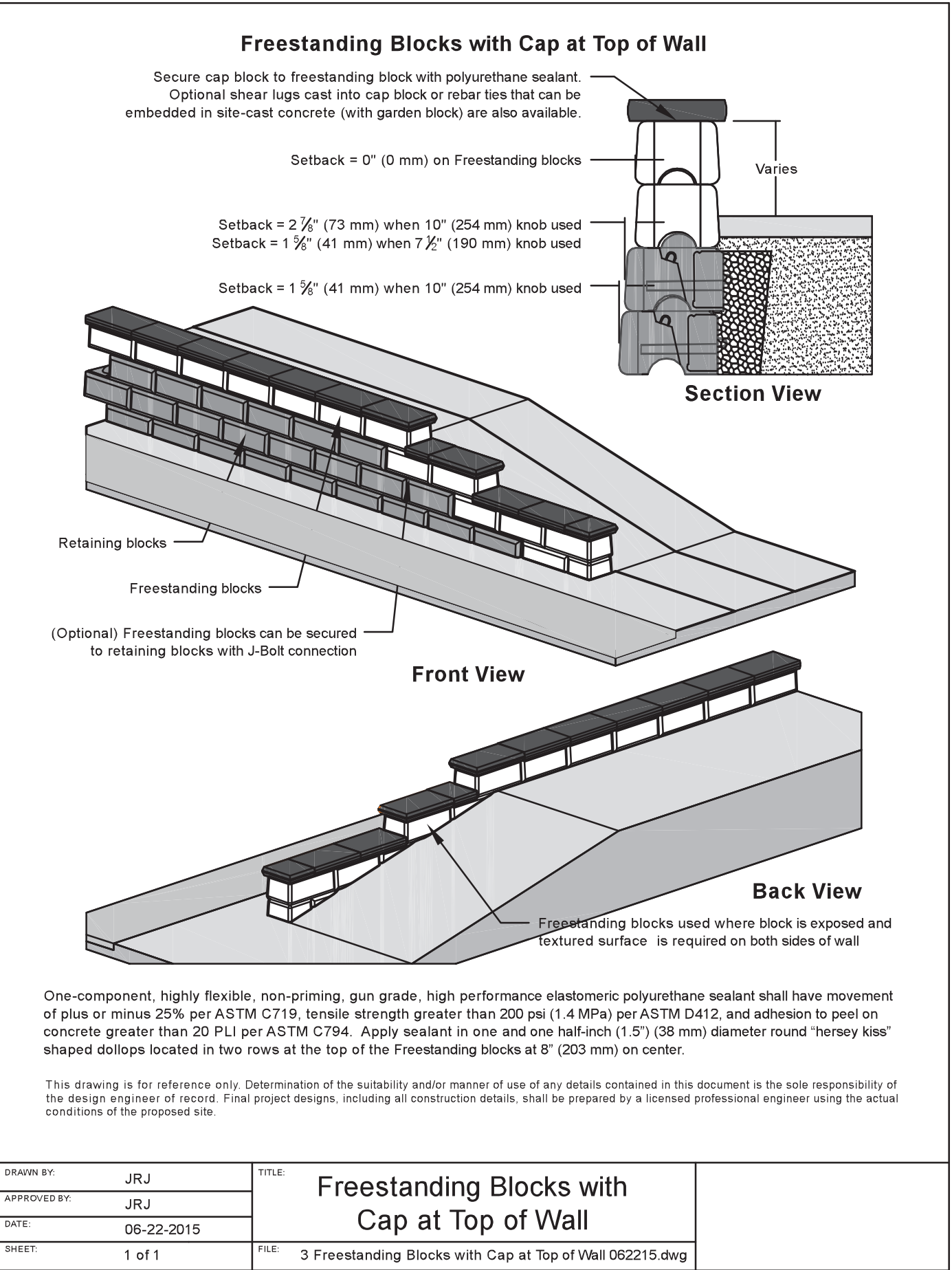
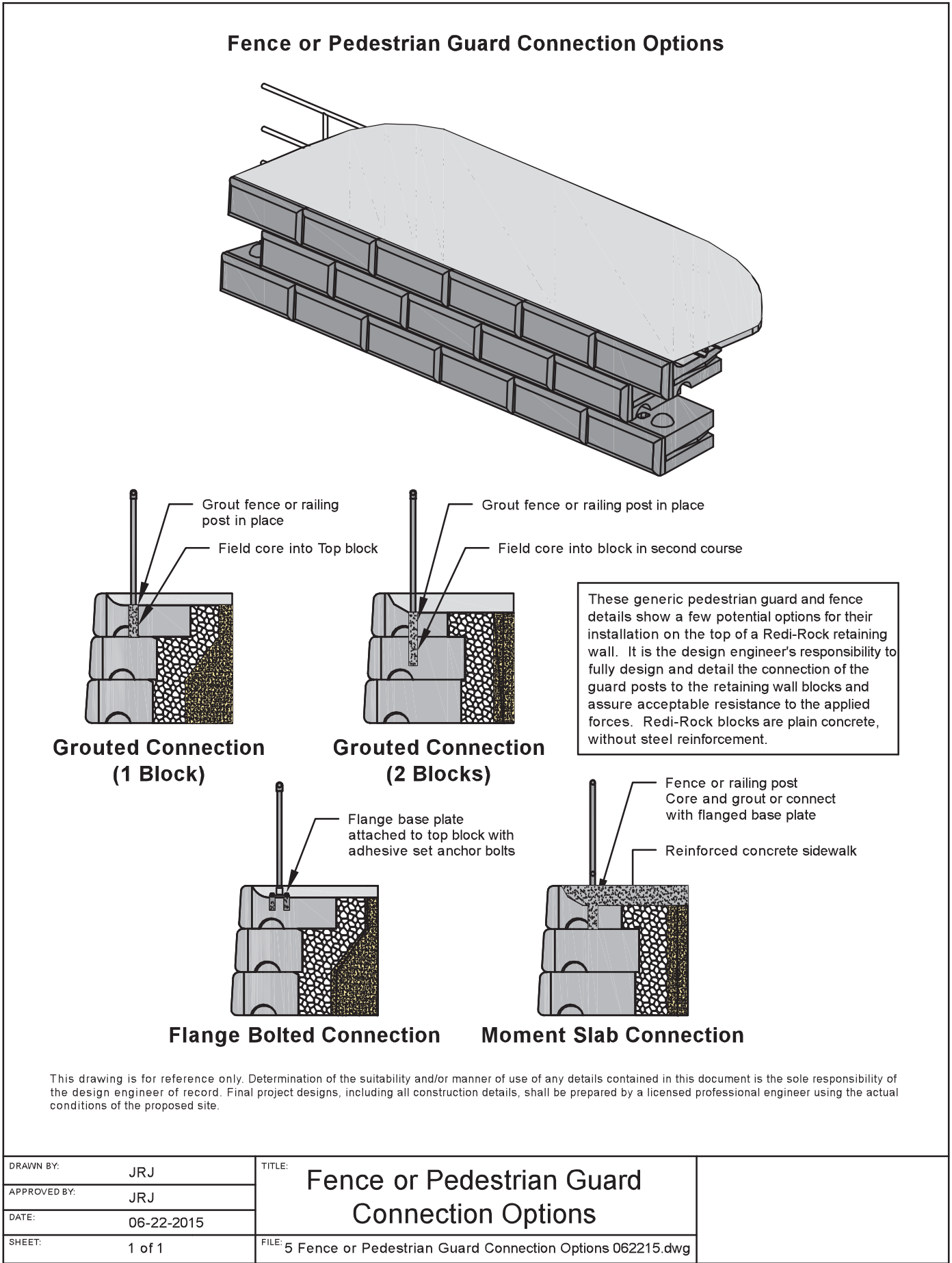
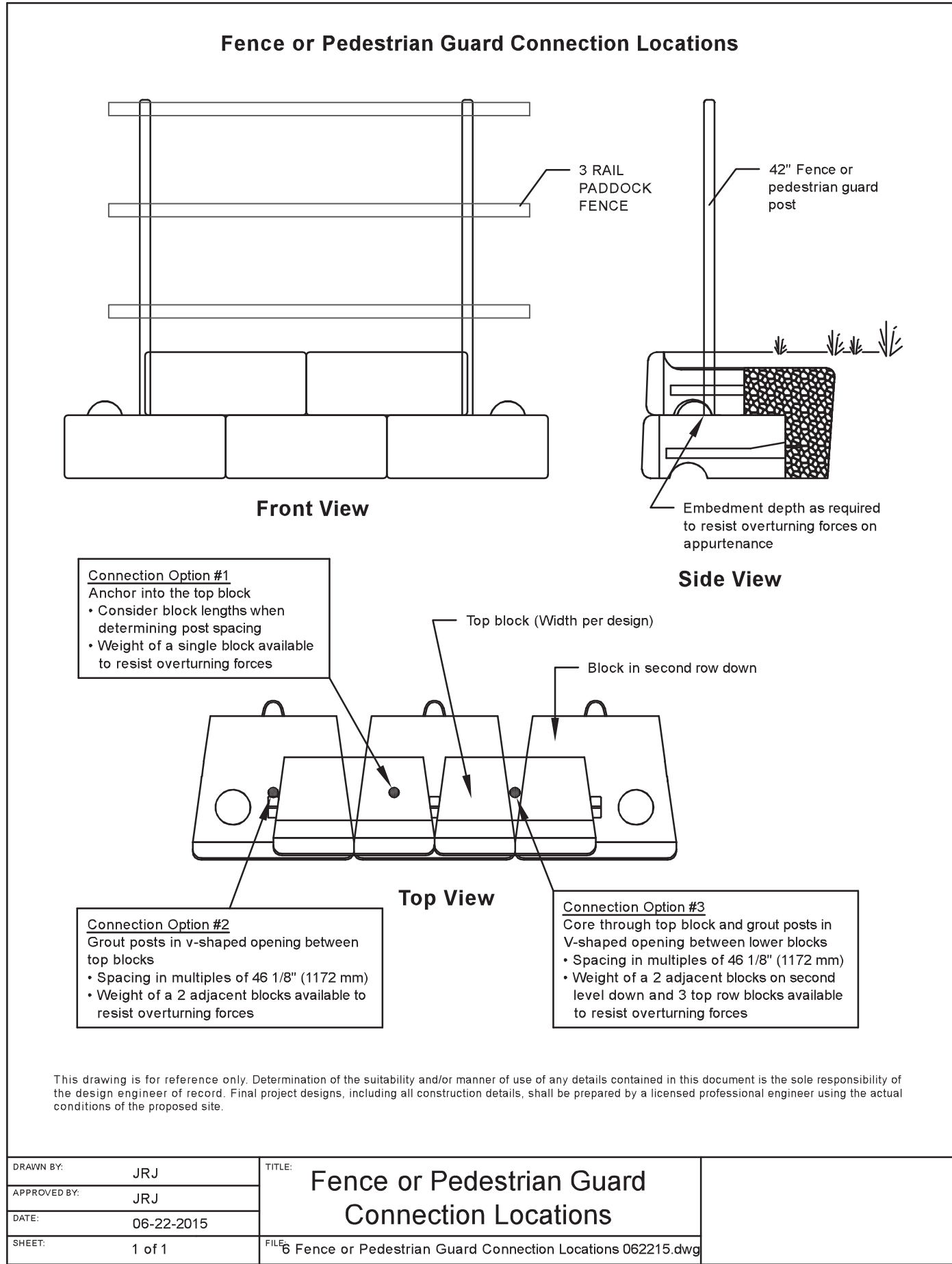
- NOTES:

1. RESERVOIR LAYER SHALL CONSIST OF WASHED 3/4" CRUSHED STONE.
2. FILTER LAYER SHALL BE ASTM C-33 SAND.
3. UNDERDRAIN LAYER SHALL CONSIST OF WASHED 3/4" CRUSHED STONE. MINIMUM DEPTH IS 2 FEET.

| BUILDING | DRIP EDGE # | A     | B     | C     | D     |
|----------|-------------|-------|-------|-------|-------|
| A        | DE1         | 93.25 | 93.00 | 91.00 | 89.00 |
| B        | DE2         | 90.25 | 90.00 | 88.00 | 86.00 |
| C        | DE3         | 78.25 | 78.00 | 76.00 | 75.00 |
| D        | DE4         | 76.25 | 76.00 | 74.00 | 73.00 |

DRIP EDGE DETAIL  
NOT TO SCALE





**\*\*CONTRACTOR TO COORDINATE WITH OWNER FOR FENCE STYLE\*\***

GENERAL NOTES

- SEGMENTAL CONCRETE UNIT RETAINING WALL SHALL BE PROVIDED BY redi-rock™ OR SHEA WALL SYSTEMS OR APPROVED EQUAL.
- RETAINING WALL DESIGN AND INSTALLATION SHALL BE IN ACCORDANCE WITH MANUFACTURER'S STANDARDS.
- STRIP VEGETATION AND ORGANIC SOIL FROM WALL AND GEOSYNTHETIC ALIGNMENT.
- BENCH CUT ALL EXCAVATED SLOPES.
- DO NOT OVER EXCAVATE UNLESS DIRECTED BY SITE SOIL ENGINEER TO REMOVE UNSUITABLE SOIL.
- SITE SOILS ENGINEER SHALL VERIFY FOUNDATION SOILS AS BEING COMPETENT PER THE DESIGN STANDARDS AND PARAMETERS.
- LEVELING PAD SHALL CONSIST OF COMPACTED COARSE SAND OR CRUSHED GRAVEL, 6" THICK MIN. AS STIPULATED BY THE MANUFACTURER.
- CONTRACTOR MAY OPT FOR A LEAN CONCRETE PAD. CONCRETE PAD SHALL BE UNREINFORCED, 3" THICK MAXIMUM.
- MINIMUM EMBEDMENT OF WALL BELOW FINISH GRADE SHALL BE 6" FOR WALL HEIGHTS UNDER 4 FT. AND 12" FOR WALLS OVER 4 FT. UNLESS SHOWN DIFFERENTLY.
- FOR UNITS TO BE EMBEDDED, COMPACT FILL IN FRONT OF UNITS AT THE SAME TIME FILL BEHIND UNITS IS COMPACTED.
- DRAINAGE AGGREGATE SHALL BE INSTALLED DIRECTLY BEHIND THE WALL WITHIN 12" OF THE TOP OF THE WALL. DRAINAGE AGGREGATE SHALL NOT EXTEND BELOW FINAL GRADE IN FRONT OF WALL.
- COMPACTION SHALL BE TO 95% OF MAXIMUM STANDARD PROCTOR DENSITY (ASTM D-698)
- COMPACTION TESTS SHALL BE TAKEN AS THE WALL IS INSTALLED. THE MINIMUM NUMBER OF 3 TESTS PER WALL AND/OR AS DETERMINED BY THE SITE SOILS ENGINEER.
- COMPACTION WITHIN 3 FT. OF WALL SHALL BE LIMITED TO HAND OPERATED EQUIPMENT.
- IF REQUIRED SEE ELEVATION DRAWINGS FOR GEOSYNTHETIC TYPE, LENGTH AND LOCATION.
- IF REQUIRED GEOSYNTHETIC SHALL BE PLACED WITH STRONGEST DIRECTION PERPENDICULAR TO WALL. FOLLOW GEOSYNTHETIC MANUFACTURER'S INSTALLATION INSTRUCTIONS AND WRITTEN SPECIFICATIONS.
- CONTRACTOR SHALL DIRECT SURFACE RUNOFF TO AVOID DAMAGING WALL WHILE UNDER CONSTRUCTION.
- ANY SURFACE DRAINAGE FEATURES, FINISH GRADING, PAVEMENT, OR TURF SHALL BE INSTALLED IMMEDIATELY AFTER WALL IS COMPLETED.
- FOLLOW APPLICABLE PROVISIONS AS DICTATED BY THE MANUFACTURER.

1.4 REQUIREMENTS FOR CONTRACTOR PREPARED DESIGN AND PLANS

- A. THE FINAL DESIGN TO BE SUBMITTED PRIOR TO AWARD OF CONTRACT AND SHALL INCLUDE DETAILED DESIGN COMPUTATIONS AND ALL DETAILS, DIMENSIONS, QUANTITIES AND CROSS SECTIONS NECESSARY TO CONSTRUCT THE WALL. THE DESIGN SHALL CONFORM TO ALL OF THE REQUIREMENTS OUTLINED IN SECTION 1.3 ABOVE. THE FULLY DETAILED PLANS SHALL BE ON PERMANENT, ARCHIVAL QUALITY, 24" X 36" DOUBLE MATTE MYLAR WITH PROJECT NAME, NUMBER AND DESIGN FIRM. THE PLANS TO BE SUBMITTED SHALL INCLUDE, BUT NOT BE LIMITED TO, THE FOLLOWING ITEMS:
- A PLAN AND ELEVATION SHEET OR SHEETS FOR EACH WALL, CONTAINING THE FOLLOWING:
    - AN ELEVATION VIEW OF THE WALL WHICH SHALL INDICATE THE ELEVATION AT THE TOP OF THE WALL, AT ALL HORIZONTAL AND VERTICAL BREAK POINTS AND AT LEAST EVERY FIFTY (50) FEET ALONG THE WALL. ELEVATIONS AT THE TOP OF LEVELING PADS, THE DESIGNATION AS TO THE TYPE OF UNIT, AND THE LOCATION OF THE ORIGINAL AND FINAL GROUND LINE.
    - A PLAN VIEW OF THE WALL WHICH SHALL INDICATE THE OFFSET FROM THE CONSTRUCTION CENTERLINE OR BASELINE TO THE FACE OF THE WALL AT ALL CHANGES IN HORIZONTAL ALIGNMENT AND THE LIMIT OF THE WIDEST UNIT.
    - ANY GENERAL NOTES REQUIRED FOR DESIGN AND CONSTRUCTION OF THE WALL.
    - ALL HORIZONTAL AND VERTICAL CURVE DATA AFFECTING WALL CONSTRUCTION.
  - ALL DETAILS FOR LEVELING PADS, AS WELL AS ALLOWABLE AND CALCULATED MAXIMUM BEARING PRESSURES.
  - DETAILED DESIGN COMPUTATIONS.
  - THE PLANS SHALL BE PREPARED, STAMPED AND SIGNED BY A NEW HAMPSHIRE LICENSED PROFESSIONAL ENGINEER.
  - FENCE HEIGHT TO BE 42".

RETAINING WALL SYSTEM

- PART 1.0 - GENERAL
- 1.1 THIS WORK SHALL CONSIST OF FURNISHING ALL COMPONENTS AND ERECTING A RETAINING WALL SYSTEM IN ACCORDANCE WITH THESE SPECIFICATIONS AND IN CLOSE CONFORMITY WITH THE LINES, GRADES, DESIGN AND DIMENSIONS SHOWN ON THE PLANS OR AS ORDERED.
- 1.2 THIS FOLLOWING TYPE OF RETAINING WALL SYSTEMS ARE ACCEPTABLE TO BE USED ON THIS PROJECT:
- REDI-ROCK (603) 428-3218  
SHEA WALL SYSTEMS (800) 696-7432
- 1.3 STRUCTURAL AND GEOTECHNICAL DESIGN REQUIREMENTS
- A. THE DESIGN OF THE WALL SYSTEM SHALL BE BY THE MANUFACTURER.
- B. MINIMUM SAFETY FACTORS SHALL BE AS FOLLOWS:
- OVERTURNING: 2.0
  - BASE SLIDING: 1.5
  - GLOBAL STABILITY: 1.3
  - GRID PULLOUT:
- C. ALLOWABLE NET BEARING PRESSURE = 6 KIPS PER SQUARE FOOT MOIST SOIL UNIT WEIGHT = 125 POUNDS PER CUBIC FOOT  
FRICTION ANGLE = 32 DEGREES
- D. DESIGN LOADING SHALL CONSIDER SEISMIC LOADS IN ACCORDANCE WITH THE NEW HAMPSHIRE STATE BUILDING CODE.

DETAIL SHEET

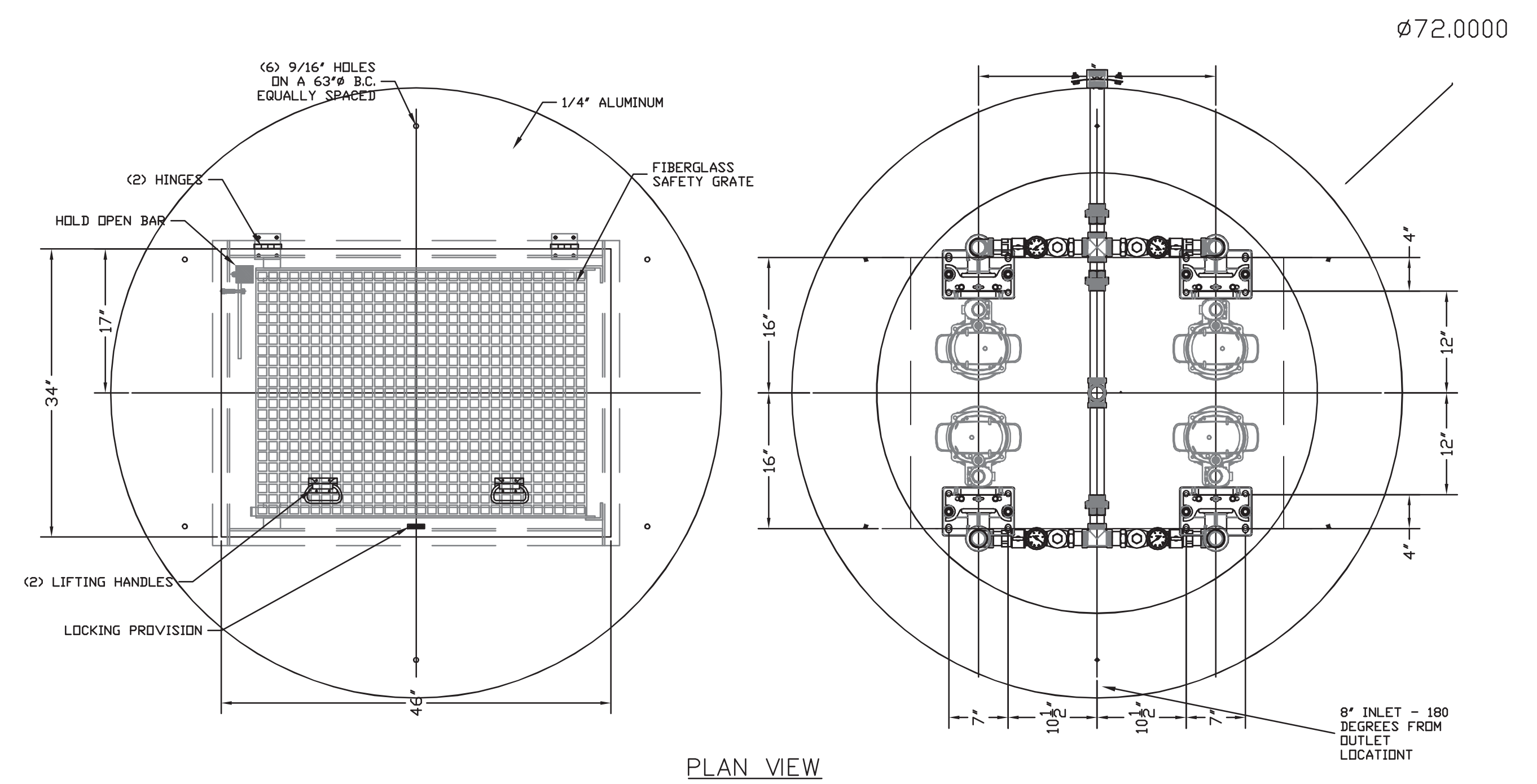
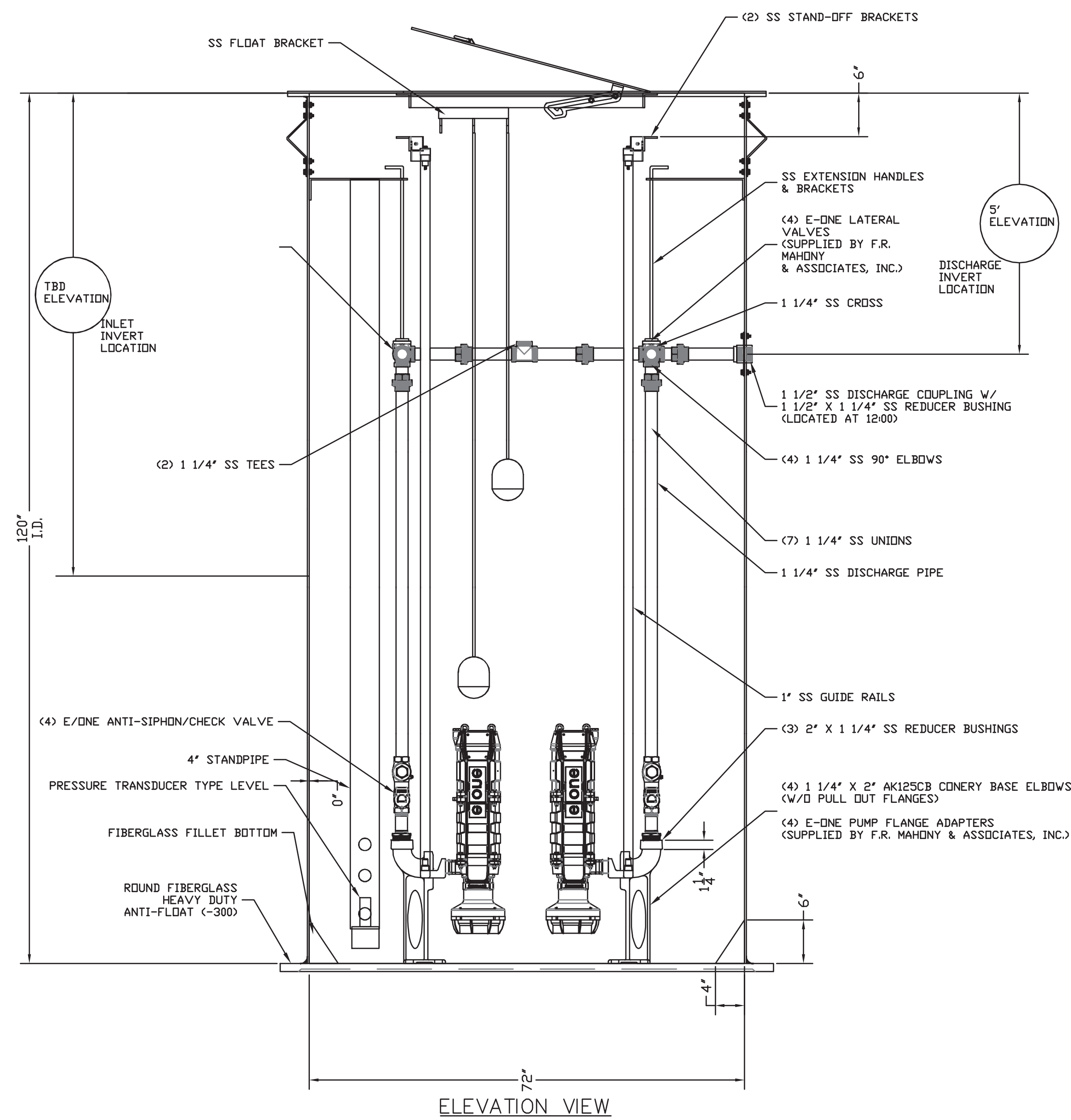
H.J. STABILE AND SON, INC.  
20 COTTON ROAD, SUITE 200  
NASHUA, NH 03063

UPTOWN CROSSING  
RESIDENTIAL SITE PLAN  
FISHER STREET  
DOVER, NH

16

|                                          |                      |        |                      |                                   |              |                          |        |                                                                                                      |        |            |              |
|------------------------------------------|----------------------|--------|----------------------|-----------------------------------|--------------|--------------------------|--------|------------------------------------------------------------------------------------------------------|--------|------------|--------------|
| NOT FOR CONSTRUCTION FOR PERMIT USE ONLY |                      |        |                      | PLANNING FILE NO.: SITE-2023-0015 |              |                          |        | CIVILWORKS NEW ENGLAND<br>181 Watson Road, PO Box 1166<br>Dover, New Hampshire 03621<br>603.745.0443 |        |            |              |
| DATE:                                    | 10-26-23             | SCALE: | 1"=30'               | DESIGN BY:                        | MAM          | REV. PER TRC COMMENTS #2 | 5-6-24 | REV. PER TRC COMMENTS #1                                                                             | 2-8-24 | APPD       | DATE         |
| APPROVED BY:                             | J. Johnson           | FILE:  | A_30_B_28_72_cad.dwg | DATE:                             | June 8, 2015 | REV. PER TRC COMMENTS #2 | 5-6-24 | REV. PER TRC COMMENTS #1                                                                             | 2-8-24 | APPD       | DATE         |
| FILE:                                    | A_30_B_28_72_cad.dwg | DATE:  | June 8, 2015         | REV. PER TRC COMMENTS #2          | 5-6-24       | REV. PER TRC COMMENTS #1 | 2-8-24 | APPD                                                                                                 | DATE   | FILE NAME: | SITE.DWG NO. |

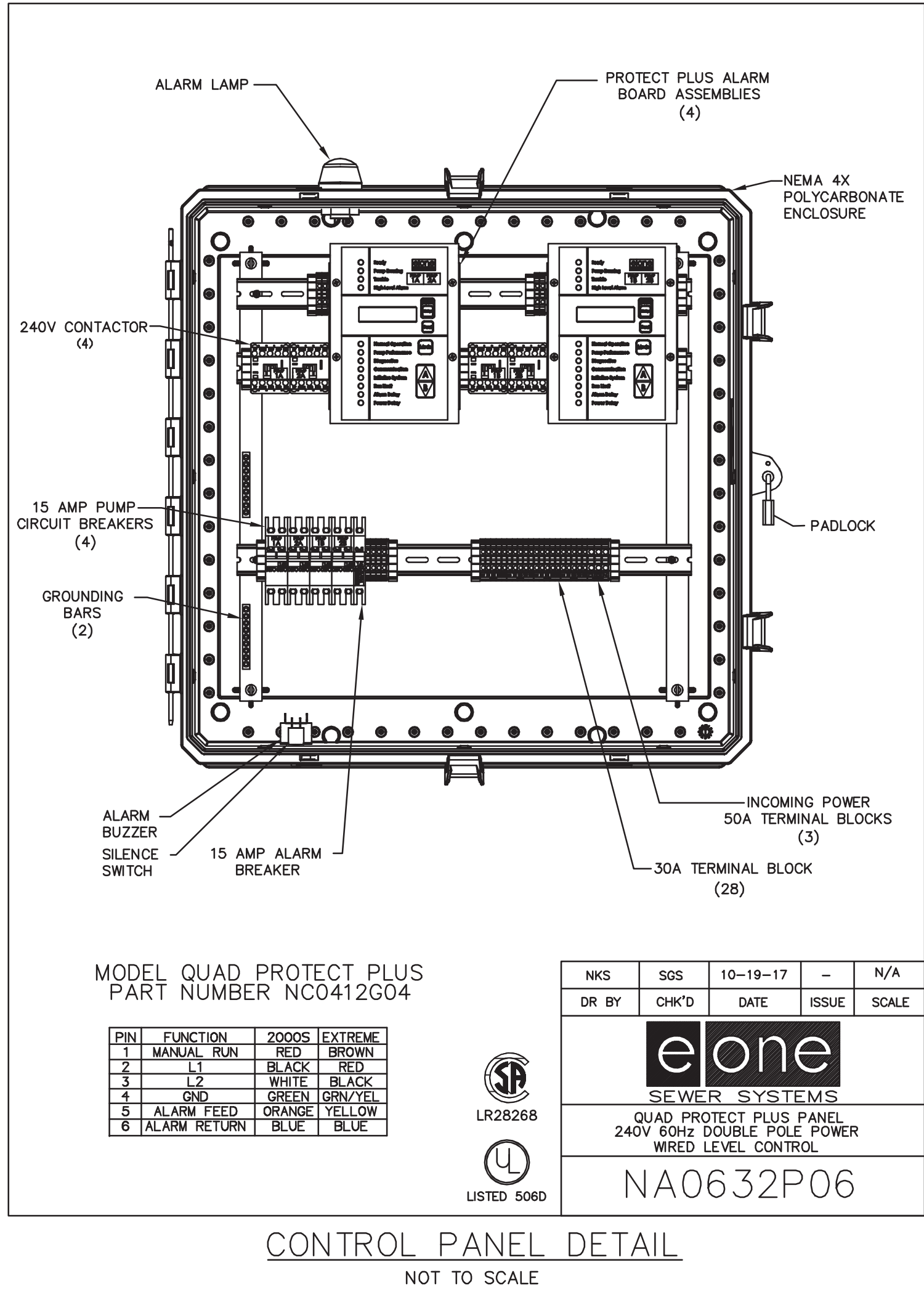
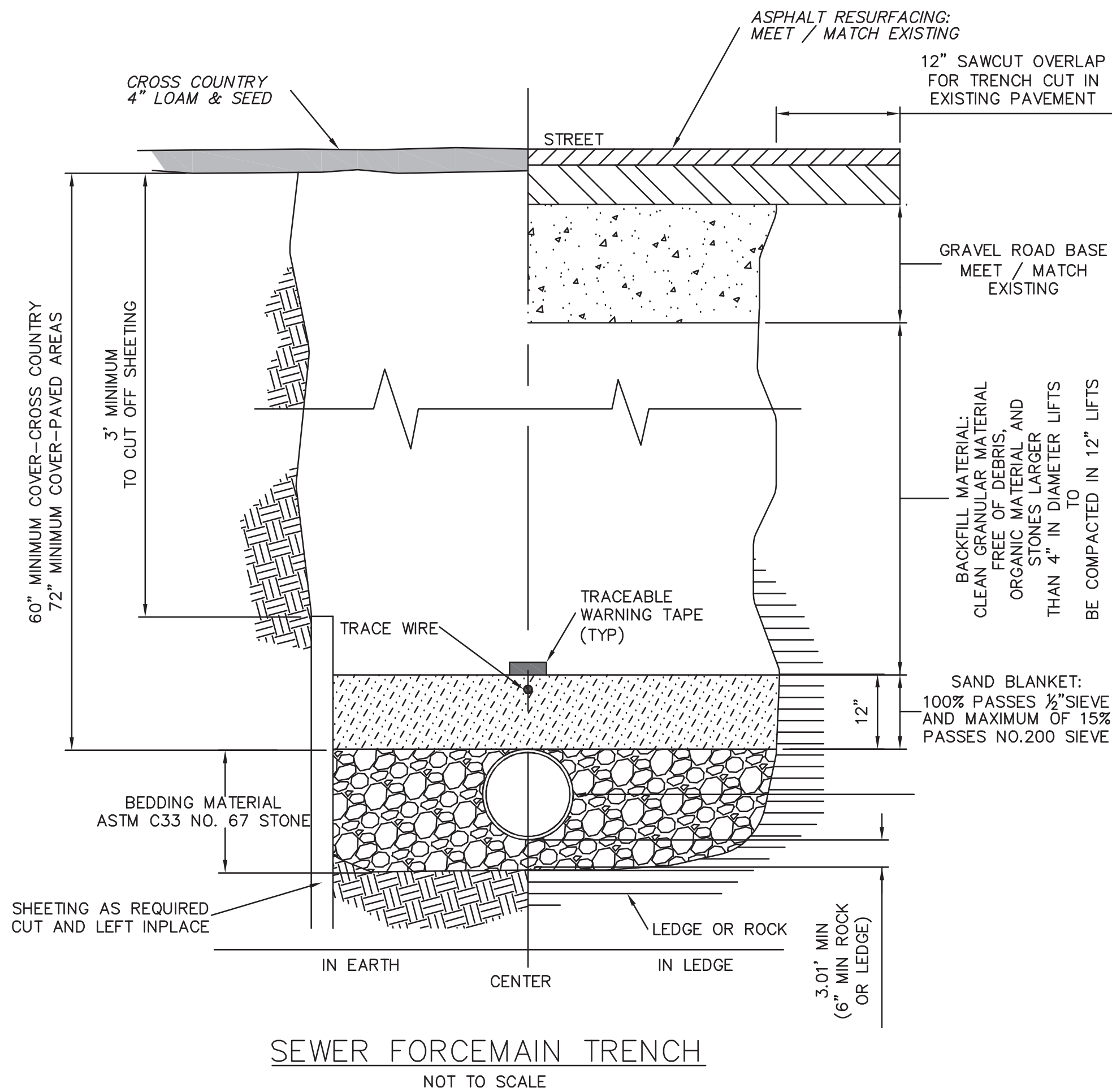




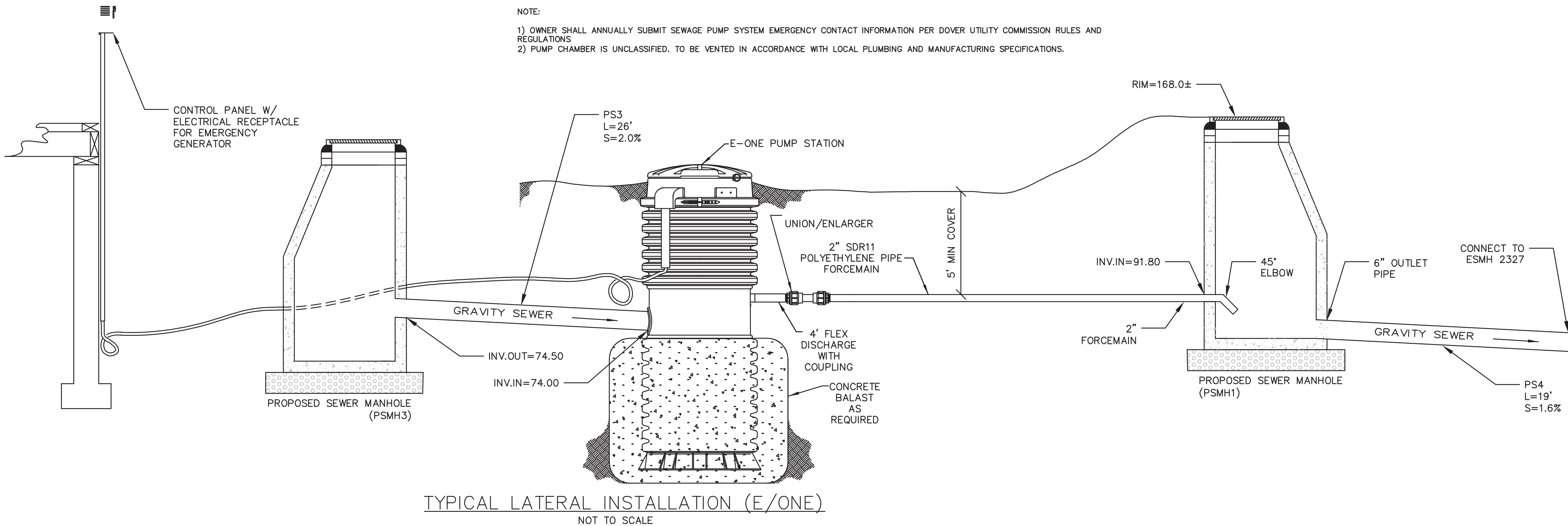
E/ONE-QUAD RAILS 72" DIAMETER PUMP CHAMBER  
NOT TO SCALE

|                                                                                                                                                   |  |                                                                                                          |                                                                                 |  |  |  |  |  |  |  |  |  |                                                                                                                                                                                                             |  |  |  |  |  |  |  |  |  |                                                                                                                                                                                                                                                                                                                  |  |  |  |  |  |  |  |  |  |
|---------------------------------------------------------------------------------------------------------------------------------------------------|--|----------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------|--|--|--|--|--|--|--|--|--|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|--|--|--|--|--|--|--|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|--|--|--|--|--|--|--|
| <div> <div>17</div> <div> <div>UPTOWN CROSSING</div> <div>RESIDENTIAL SITE PLAN</div> <div>FISHER STREET</div> <div>DOVER, NH</div> </div> </div> |  | <div> <div>H.J. STABLE AND SON, INC.</div> <div>200 COTTON ROAD</div> <div>NASHUA, NH 03063</div> </div> | <div> <div>DETAIL SHEET</div> </div>                                            |  |  |  |  |  |  |  |  |  | <div> <div>DATE: 10-24-23</div> <div>SCALE: 1"=30'</div> <div>DRAWN BY: MJM</div> <div>DESIGN BY: SJH</div> <div>APPROVED BY: SJH</div> <div>PROJECT NO: 22017</div> <div>FILE NAME: STDWG NO.</div> </div> |  |  |  |  |  |  |  |  |  | <div> <div>NOT FOR CONSTRUCTION FOR PERMIT USE ONLY</div> <div>PLANNING FILE NO.: SITE-2023-0015</div> <div>CIVILWORKS NEW ENGLAND</div> <div> <div>CIVIL &amp; WATERPROOF ENGINEERING</div> <div>181 Watson Road, PO Box 1166</div> <div>Dover, New Hampshire 03821</div> <div>603.749.0443</div> </div> </div> |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                   |  |                                                                                                          | <div> <div>REV. PER TRC COMMENTS #2</div> <div>2</div> <div>5-6-24</div> </div> |  |  |  |  |  |  |  |  |  | <div> <div>REV. PER TRC COMMENTS #1</div> <div>1</div> <div>2-8-24</div> </div>                                                                                                                             |  |  |  |  |  |  |  |  |  | <div> <div>REVISION</div> <div>APP'D</div> <div>DATE</div> </div>                                                                                                                                                                                                                                                |  |  |  |  |  |  |  |  |  |





- BURIED NON-METALLIC UTILITIES SHALL RECEIVE A TRACER WIRE.**
1. THE TRACER WIRE SHALL BE INSTALLED ON TOP OF THE BURIED UTILITY CROWN.
  2. THE TRACER WIRE SHALL BE POSITIVELY ATTACHED TO THE NON-METALLIC BURIED UTILITIES BY PLASTIC WIRE TIES OF SIMILAR TYPE OF ATTACHMENT EVERY 6 FEET FOR STRAIGHT RUN OF UTILITY AND AT ALL CHANGES OF DIRECTION. TAPE SHALL BE POLYKEN "930-35," PROTECTO-WRAP "310", OR EQUAL. THE ENDS OF THE TRACER WIRE SHALL BE EXPOSED ABOVE THE FINISHED GRADE.
  3. THE ENDS OF THE TRACER WIRE SHALL BE EXPOSED ABOVE THE FINISHED GRADE.
  4. INSTALL APPROVED CAST IRON VALVE BOXES AT ALL LOCATIONS WHERE THE ENDS OF THE TRACER WIRE ARE EXPOSED ABOVE THE FINISHED GRADE. THE BOXES SHALL NOT BE MORE THAN 200 FEET APART AND SHALL CONTAIN A 24" COIL OF WIRE FROM EACH END OF THE TRACER WIRE.
  5. TRACER WIRE SHALL BE CONTINUOUS BETWEEN BOXES AND SHALL BE TESTED FOR CONTINUITY IN THE PRESENCE OF THE INSPECTOR.
  6. TRACER WIRE SHALL BE NO. 10 AWG. COPPER WIRE WITH TW INSULATION (BLUE IN COLOR FOR USE WITH POTABLE WATER, GREEN FOR USE WITH SEWER). CONNECTORS SHALL BE DRY-CON TYPE CONNECTORS FOR SPECIFIED WIRE GAGE AND SUITABLE FOR USE WITH BURIED TRACER WIRE.
  7. TRACER WIRE SHALL BE EXPOSED ABOVE FINISHED GRADE IN THE CAST IRON BOXES AT THE TRANSITION WHERE THE NON-METALLIC BURIED UTILITY CONNECTS TO THE EXISTING METALLIC UTILITY.
  8. EXTEND WIRE INTO VALVE BOXES AND TERMINATE WITH A WIRE CONNECTOR. TERMINATE WIRE FROM LINES EXTENDING FROM MAINS TO FIRE RISERS OR BUILDING SERVICES 12" (300MM) ABOVE GRADE AND CAP WITH A WIRE CONNECTOR.













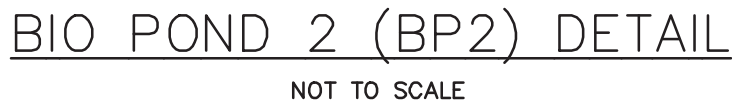
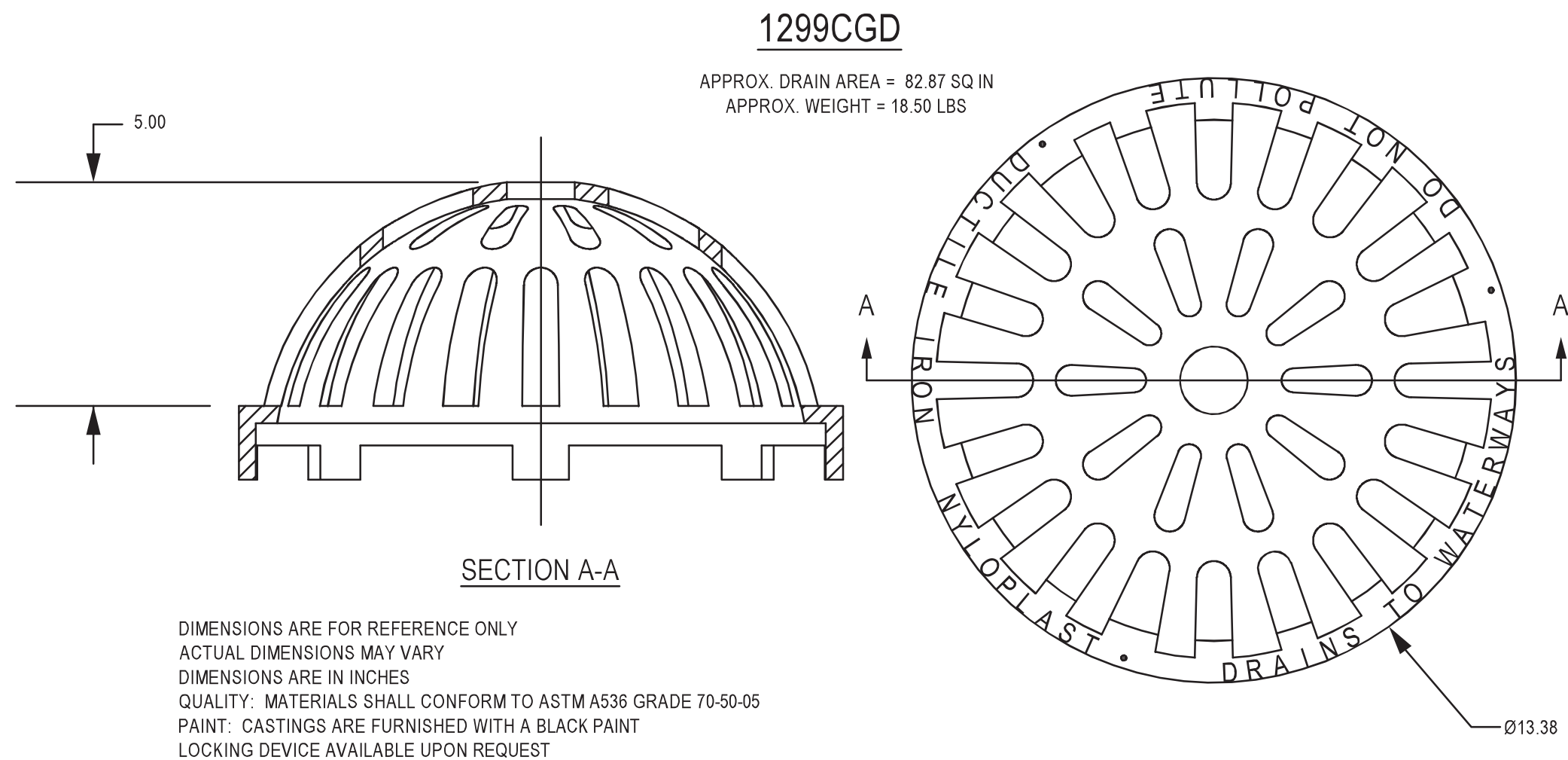
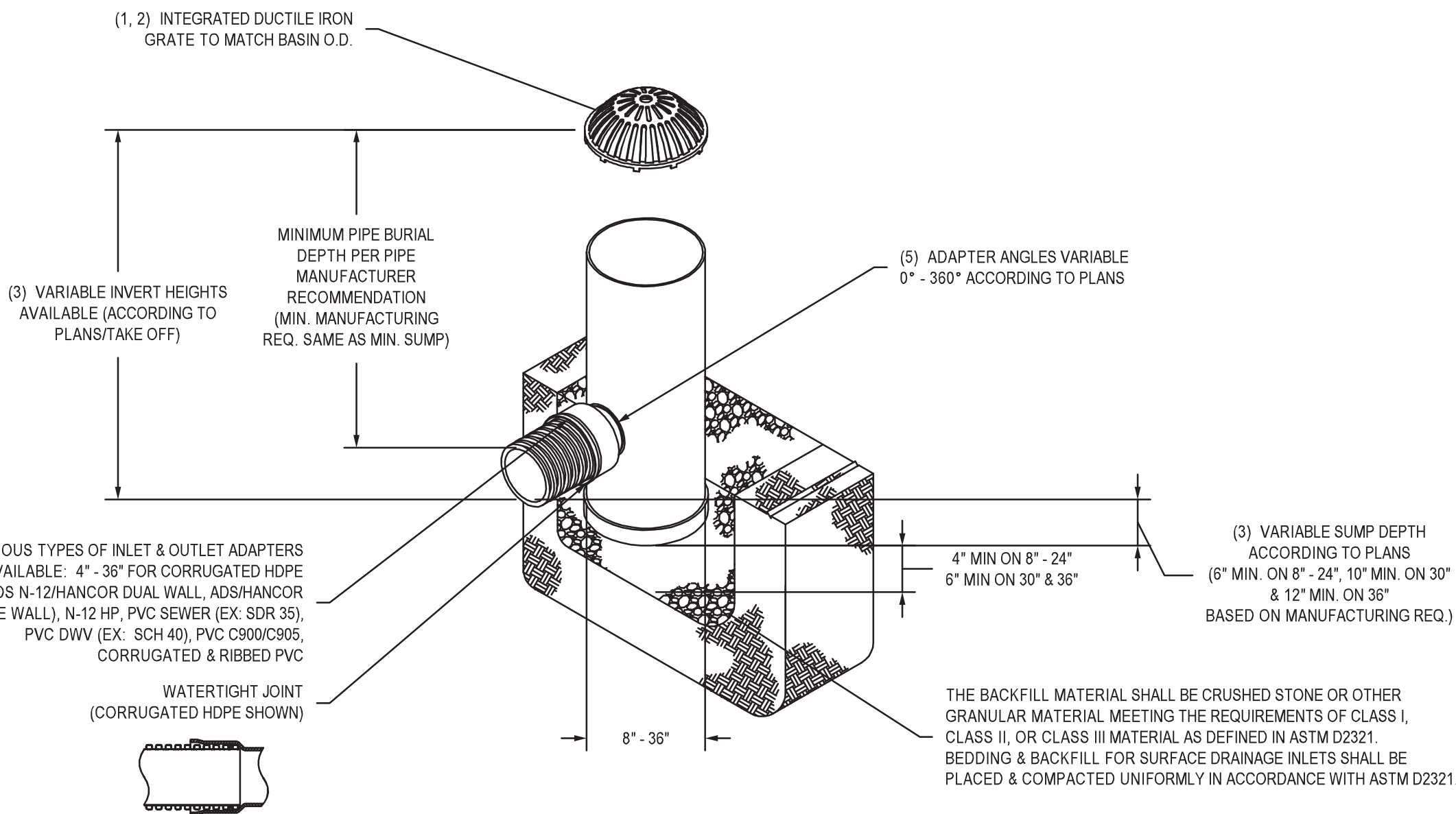
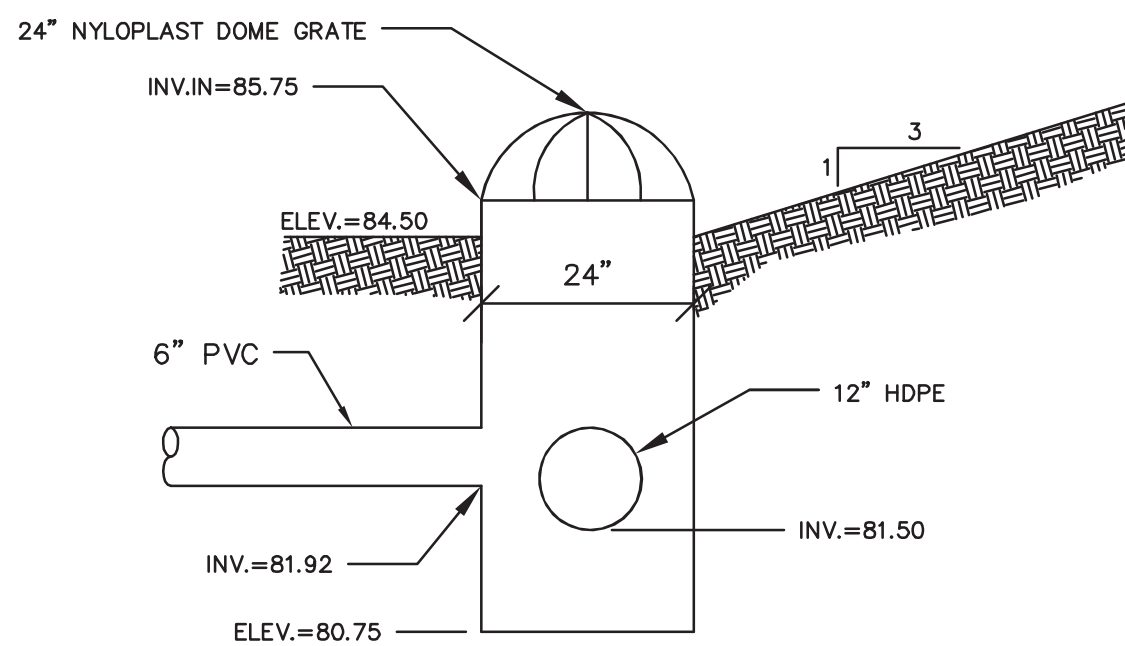
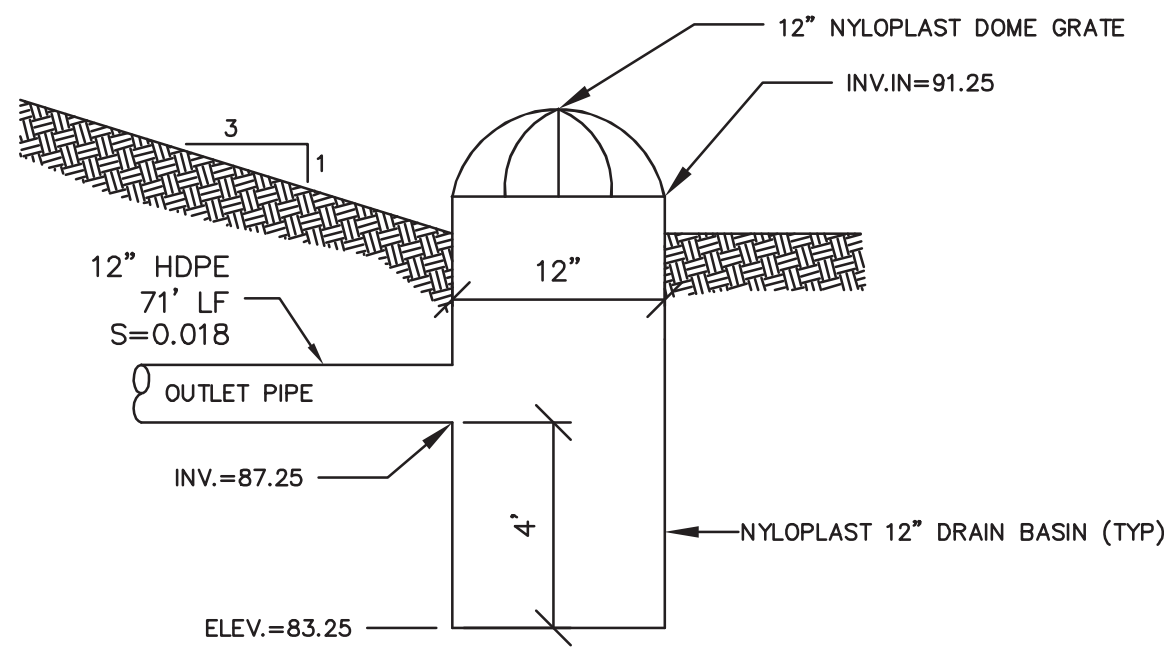


Diagram of a 24" NYLOPLAST DRAIN BASIN. The basin is connected to a 6" PVC UNDERDRAIN. The basin has a 113.15° angle. The riser is 12" HDPE, 23' L, with a slope S=0.022.



DIMENSIONS ARE FOR REFERENCE ONLY  
ACTUAL DIMENSIONS MAY VARY  
DIMENSIONS ARE IN INCHES  
QUALITY: MATERIALS SHALL CONFORM TO ASTM A536 GRADE 70-50-05  
PAINT: CASTINGS ARE FURNISHED WITH A BLACK PAINT  
LOCKING DEVICE AVAILABLE UPON REQUEST

|                                                                                                                                                                                                                                                                                                                                                                                                                                                            |            |         |                  |     |       |                                                                                                                                                                                |         |                                     |     |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|---------|------------------|-----|-------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|-------------------------------------|-----|
| THIS PRINT DISCLOSES SUBJECT MATTER IN WHICH THIS PRINT HAS PROPRIETARY RIGHTS. THE RECEIPT OR POSSESSION OF THIS PRINT DOES NOT CONVEY, TRANSFER, OR LICENSE THE USE OF THE DESIGN OR TECHNICAL INFORMATION SHOWN HEREIN. REPRODUCTION OF THIS PRINT OR ANY INFORMATION CONTAINED HEREIN, OR MANUFACTURE OF ANY ARTICLE HEREFROM, FOR THE DISCLOSURE TO OTHERS IS FORBIDDEN, EXCEPT BY SPECIFIC WRITTEN PERMISSION FROM NYLOPLAST.<br><br>©2011 NYLOPLAST | DRAWN BY   | EBC     | MATERIAL         |     |       | <br><b>Nyloplast®</b><br>PHN (770) 932-2443<br>FAX (770) 932-2490<br>www.nyloplast-us.com |         | 3130 VERONA AVE<br>BUFORD, GA 30518 |     |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                            | DATE       | 3-6-08  | DUCTILE IRON     |     |       |                                                                                                                                                                                |         |                                     |     |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                            | REVISED BY | EBC     | PROJECT NO./NAME |     |       | TITLE                                                                                                                                                                          |         | 12 IN DOME GRATE                    |     |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                            | DATE       | 3-10-11 |                  |     |       |                                                                                                                                                                                |         |                                     |     |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                            | DWG SIZE   | A       | SCALE            | NTS | SHEET | 1 OF 1                                                                                                                                                                         | DWG NO. | 7001-110-208                        | REV |

[illegible]



PARKING LOT

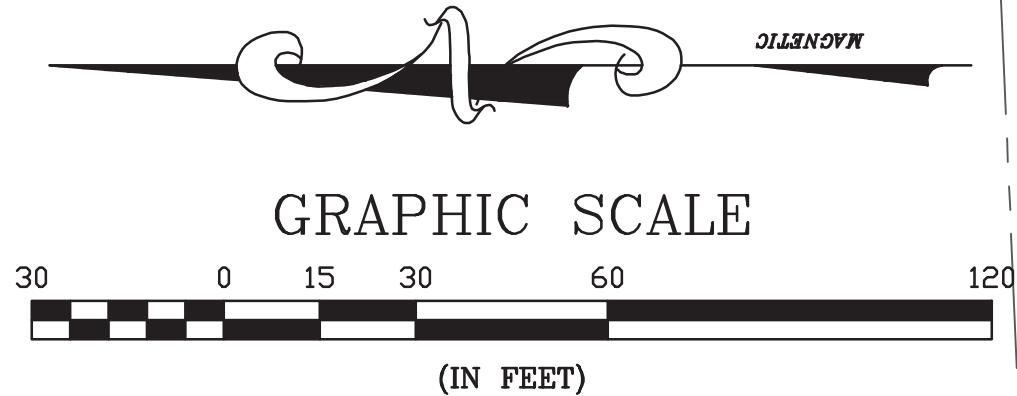
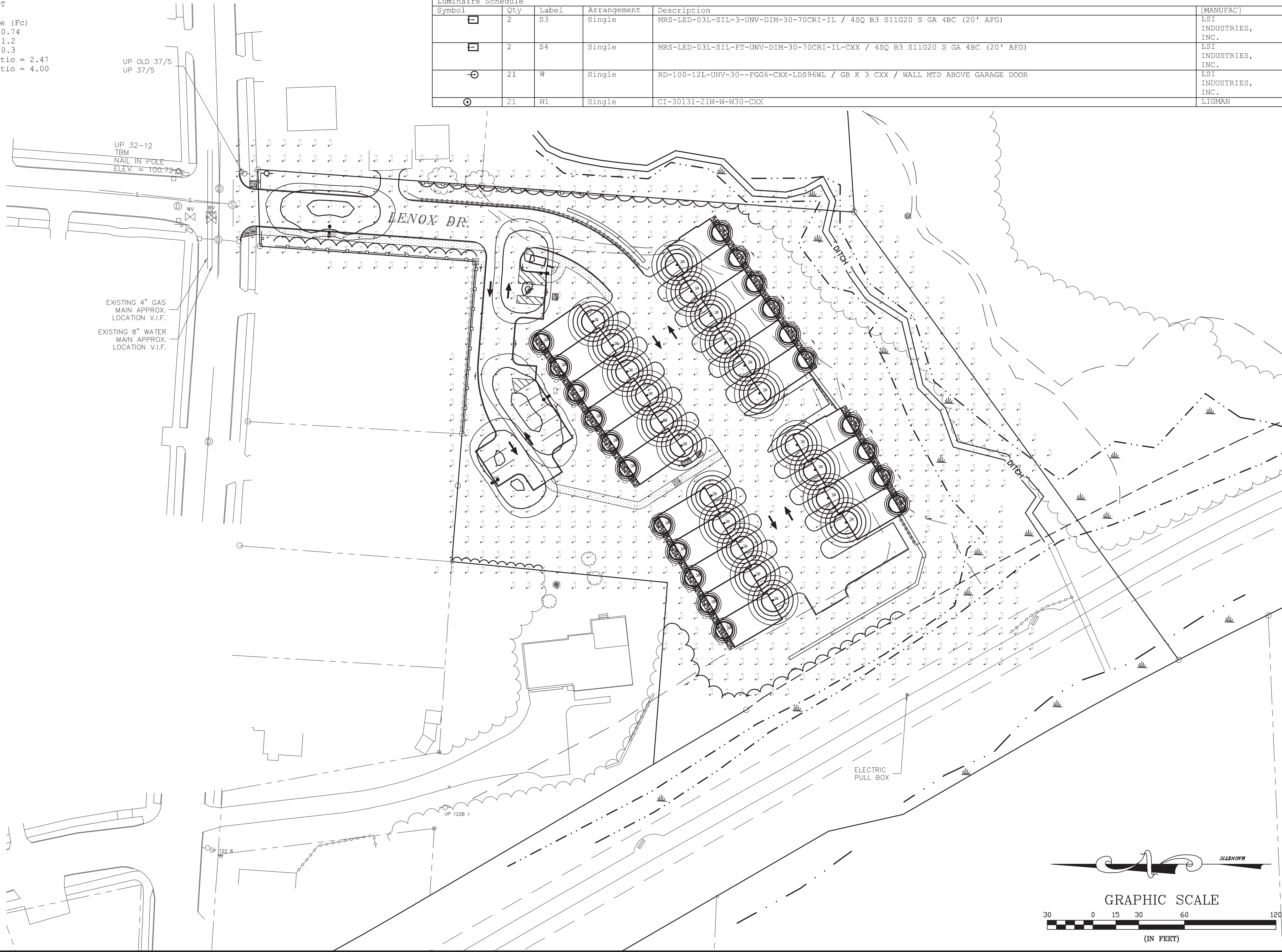
Illuminance (Fc)  
Average = 0.74  
Maximum = 1.2  
Minimum = 0.3  
Avg/Min Ratio = 2.47  
Max/Min Ratio = 4.00

UP OLD 37/5  
UP 37/5

UP 32-12  
TBM  
NAIL IN POLE  
ELEV. = 100.72

EXISTING 4" GAS  
MAIN APPROX.  
LOCATION V.I.F.  
EXISTING 8" WATER  
MAIN APPROX.  
LOCATION V.I.F.

| Luminaire Schedule                                                                  |     |       |             |                                                                                |                      |
|-------------------------------------------------------------------------------------|-----|-------|-------------|--------------------------------------------------------------------------------|----------------------|
| Symbol                                                                              | Qty | Label | Arrangement | Description                                                                    | [MANUFAC]            |
|   | 2   | S3    | Single      | MRS-LED-03L-SIL-3-UNV-DIM-30-70CRI-IL / 4SQ B3 S11G20 S GA 4BC (20' AFG)       | LSI INDUSTRIES, INC. |
|  | 2   | S4    | Single      | MRS-LED-03L-SIL-FT-UNV-DIM-30-70CRI-IL-CXX / 4SQ B3 S11G20 S GA 4BC (20' AFG)  | LSI INDUSTRIES, INC. |
|  | 21  | W     | Single      | RD-100-12L-UNV-30---FGG6-CXX-LDS96WL / GB K 3 CXX / WALL MTD ABOVE GARAGE DOOR | LSI INDUSTRIES, INC. |
|  | 21  | W1    | Single      | CI-30131-21W-W30-CXX                                                           | LIGMAN               |



NOT FOR CONSTRUCTION FOR PERMIT USE ONLY

PLANNING FILE NO.: SITE-2023-0015

CIVILWORKS NEW ENGLAND  
181 Watson Road, PO Box 1166  
Dover, New Hampshire 03821  
603.748.0443

DATE: 10-26-23  
SCALE: 1"=30'  
DRAWN BY: MAM  
DESIGN BY: SJH  
APPROVED BY: SJH  
PROJECT NO: 22017  
FILE NAME: SITE.DWG NO.

REV. PER TRC COMMENTS #2  
REV. PER TRC COMMENTS #1

5-6-24  
2-8-24

SJH  
APPD  
DATE

LIGHTING PLAN

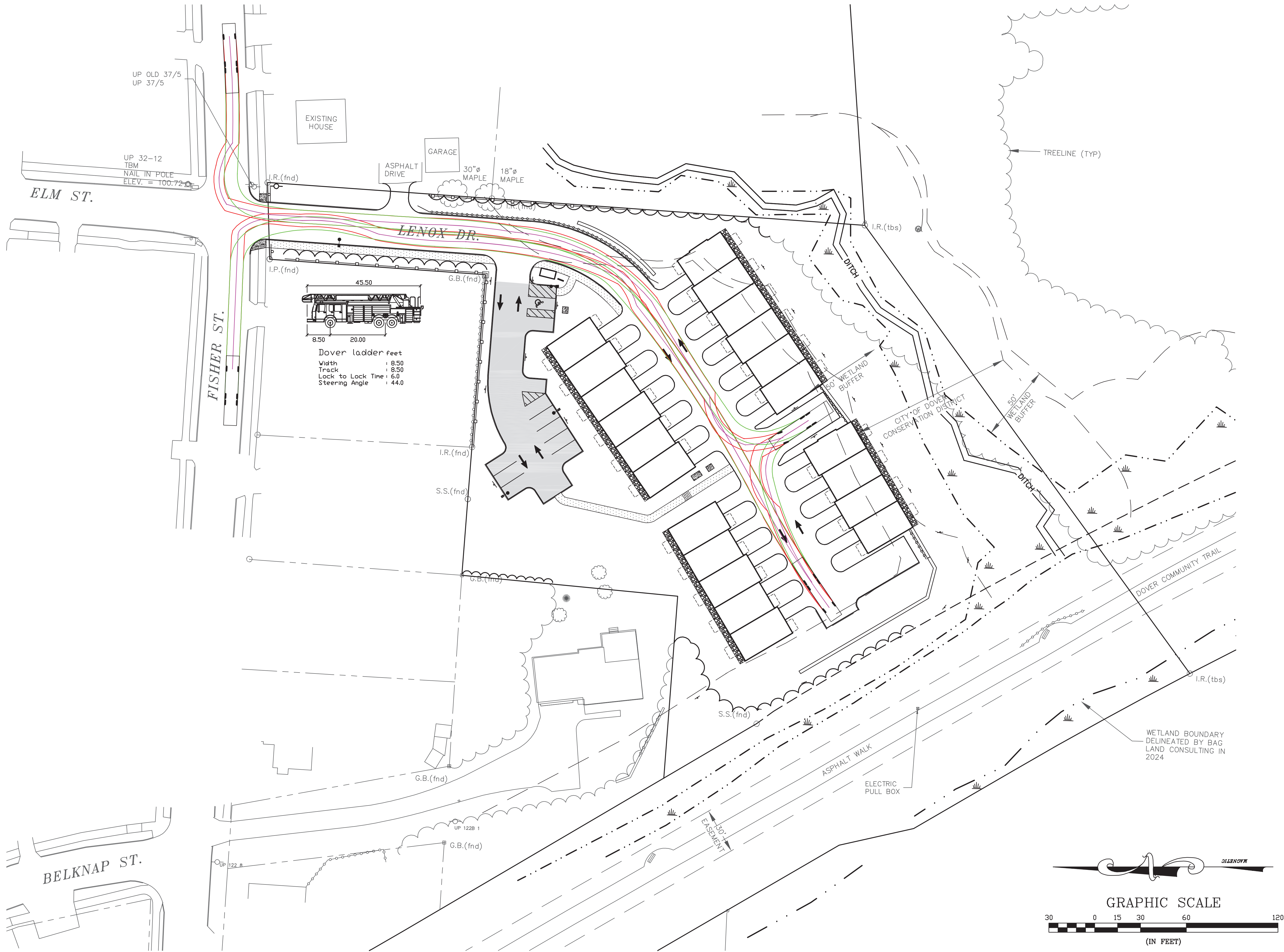
UPTOWN CROSSING  
RESIDENTIAL SITE PLAN  
FISHER STREET  
DOVER, NH

H.J. STABILE AND SON, INC.  
20 COTTON ROAD, SUITE 200  
NASHUA, NH 03063









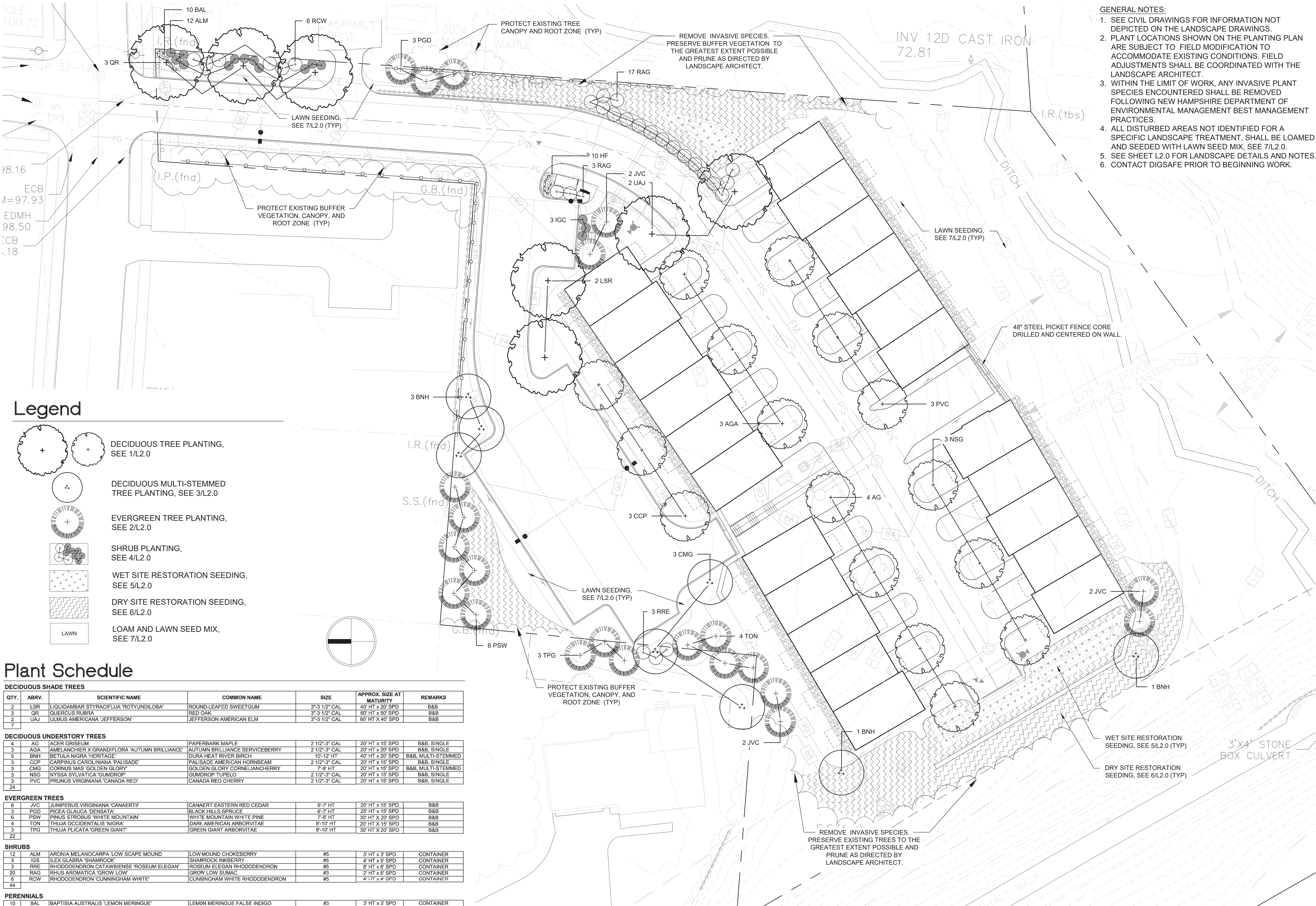
|                                                                        |                                                                            |                         |  |                                          |      |          |        |
|------------------------------------------------------------------------|----------------------------------------------------------------------------|-------------------------|--|------------------------------------------|------|----------|--------|
| DOVER LADDER TRUCK MOVEMENT PLAN                                       |                                                                            | DATE: 10-24-23          |  | NOT FOR CONSTRUCTION FOR PERMIT USE ONLY |      |          |        |
|                                                                        |                                                                            | SCALE: 1"=30'           |  | PLANNING FILE NO.: SITE-2023-0015        |      |          |        |
| UPTOWN CROSSING<br>RESIDENTIAL SITE PLAN<br>FISHER STREET<br>DOVER, NH | H.J. STABLE AND SON, INC.<br>20 COTTON ROAD, SUITE 200<br>NASHUA, NH 03063 | DRAWN BY: MAM           |  |                                          |      |          |        |
|                                                                        |                                                                            | DESIGN BY: SJH          |  |                                          |      |          |        |
|                                                                        |                                                                            | APPROVED BY: SJH        |  |                                          |      |          |        |
|                                                                        |                                                                            | PROJECT NO: 22017       |  |                                          |      |          |        |
| 24                                                                     |                                                                            | FILE NAME: SITE.DWG NO. |  | REV. PER TRC COMMENTS #1                 | DATE |          |        |
|                                                                        |                                                                            |                         |  | REV. PER TRC COMMENTS #2                 | DATE |          |        |
|                                                                        |                                                                            |                         |  |                                          |      | 5-6-24   | 5-6-24 |
|                                                                        |                                                                            |                         |  |                                          |      | 2-8-24   | 2-8-24 |
|                                                                        |                                                                            |                         |  |                                          |      | APP'D    | DATE   |
|                                                                        |                                                                            |                         |  |                                          |      | REVISION | DATE   |
|                                                                        |                                                                            |                         |  |                                          |      | 1        | 1      |
|                                                                        |                                                                            |                         |  |                                          |      | 2        | 2      |
|                                                                        |                                                                            |                         |  |                                          |      | 3        | 3      |
|                                                                        |                                                                            |                         |  |                                          |      | 4        | 4      |
|                                                                        |                                                                            |                         |  |                                          |      | 5        | 5      |
|                                                                        |                                                                            |                         |  |                                          |      | 6        | 6      |
|                                                                        |                                                                            |                         |  |                                          |      | 7        | 7      |
|                                                                        |                                                                            |                         |  |                                          |      | 8        | 8      |
|                                                                        |                                                                            |                         |  |                                          |      | 9        | 9      |
|                                                                        |                                                                            |                         |  |                                          |      | 10       | 10     |
|                                                                        |                                                                            |                         |  |                                          |      | 11       | 11     |
|                                                                        |                                                                            |                         |  |                                          |      | 12       | 12     |
|                                                                        |                                                                            |                         |  |                                          |      | 13       | 13     |
|                                                                        |                                                                            |                         |  |                                          |      | 14       | 14     |
|                                                                        |                                                                            |                         |  |                                          |      | 15       | 15     |
|                                                                        |                                                                            |                         |  |                                          |      | 16       | 16     |
|                                                                        |                                                                            |                         |  |                                          |      | 17       | 17     |
|                                                                        |                                                                            |                         |  |                                          |      | 18       | 18     |
|                                                                        |                                                                            |                         |  |                                          |      | 19       | 19     |
|                                                                        |                                                                            |                         |  |                                          |      | 20       | 20     |
|                                                                        |                                                                            |                         |  |                                          |      | 21       | 21     |
|                                                                        |                                                                            |                         |  |                                          |      | 22       | 22     |
|                                                                        |                                                                            |                         |  |                                          |      | 23       | 23     |
|                                                                        |                                                                            |                         |  |                                          |      | 24       | 24     |
|                                                                        |                                                                            |                         |  |                                          |      | 25       | 25     |
|                                                                        |                                                                            |                         |  |                                          |      | 26       | 26     |
|                                                                        |                                                                            |                         |  |                                          |      | 27       | 27     |
|                                                                        |                                                                            |                         |  |                                          |      | 28       | 28     |
|                                                                        |                                                                            |                         |  |                                          |      | 29       | 29     |
|                                                                        |                                                                            |                         |  |                                          |      | 30       | 30     |
|                                                                        |                                                                            |                         |  |                                          |      | 31       | 31     |
|                                                                        |                                                                            |                         |  |                                          |      | 32       | 32     |
|                                                                        |                                                                            |                         |  |                                          |      | 33       | 33     |
|                                                                        |                                                                            |                         |  |                                          |      | 34       | 34     |
|                                                                        |                                                                            |                         |  |                                          |      | 35       | 35     |
|                                                                        |                                                                            |                         |  |                                          |      | 36       | 36     |
|                                                                        |                                                                            |                         |  |                                          |      | 37       | 37     |
|                                                                        |                                                                            |                         |  |                                          |      | 38       | 38     |
|                                                                        |                                                                            |                         |  |                                          |      | 39       | 39     |
|                                                                        |                                                                            |                         |  |                                          |      | 40       | 40     |
|                                                                        |                                                                            |                         |  |                                          |      | 41       | 41     |
|                                                                        |                                                                            |                         |  |                                          |      | 42       | 42     |
|                                                                        |                                                                            |                         |  |                                          |      | 43       | 43     |
|                                                                        |                                                                            |                         |  |                                          |      | 44       | 44     |
|                                                                        |                                                                            |                         |  |                                          |      | 45       | 45     |
|                                                                        |                                                                            |                         |  |                                          |      | 46       | 46     |
|                                                                        |                                                                            |                         |  |                                          |      | 47       | 47     |
|                                                                        |                                                                            |                         |  |                                          |      | 48       | 48     |
|                                                                        |                                                                            |                         |  |                                          |      | 49       | 49     |
|                                                                        |                                                                            |                         |  |                                          |      | 50       | 50     |
|                                                                        |                                                                            |                         |  |                                          |      | 51       | 51     |
|                                                                        |                                                                            |                         |  |                                          |      | 52       | 52     |
|                                                                        |                                                                            |                         |  |                                          |      | 53       | 53     |
|                                                                        |                                                                            |                         |  |                                          |      | 54       | 54     |
|                                                                        |                                                                            |                         |  |                                          |      | 55       | 55     |
|                                                                        |                                                                            |                         |  |                                          |      | 56       | 56     |
|                                                                        |                                                                            |                         |  |                                          |      | 57       | 57     |
|                                                                        |                                                                            |                         |  |                                          |      | 58       | 58     |
|                                                                        |                                                                            |                         |  |                                          |      | 59       | 59     |
|                                                                        |                                                                            |                         |  |                                          |      | 60       | 60     |
|                                                                        |                                                                            |                         |  |                                          |      | 61       | 61     |
|                                                                        |                                                                            |                         |  |                                          |      | 62       | 62     |
|                                                                        |                                                                            |                         |  |                                          |      | 63       | 63     |
|                                                                        |                                                                            |                         |  |                                          |      | 64       | 64     |
|                                                                        |                                                                            |                         |  |                                          |      | 65       | 65     |
|                                                                        |                                                                            |                         |  |                                          |      | 66       | 66     |
|                                                                        |                                                                            |                         |  |                                          |      | 67       | 67     |
|                                                                        |                                                                            |                         |  |                                          |      | 68       | 68     |
|                                                                        |                                                                            |                         |  |                                          |      | 69       | 69     |
|                                                                        |                                                                            |                         |  |                                          |      | 70       | 70     |
|                                                                        |                                                                            |                         |  |                                          |      | 71       | 71     |
|                                                                        |                                                                            |                         |  |                                          |      | 72       | 72     |
|                                                                        |                                                                            |                         |  |                                          |      | 73       | 73     |
|                                                                        |                                                                            |                         |  |                                          |      | 74       | 74     |
|                                                                        |                                                                            |                         |  |                                          |      | 75       | 75     |
|                                                                        |                                                                            |                         |  |                                          |      | 76       | 76     |
|                                                                        |                                                                            |                         |  |                                          |      | 77       | 77     |
|                                                                        |                                                                            |                         |  |                                          |      | 78       | 78     |
|                                                                        |                                                                            |                         |  |                                          |      | 79       | 79     |
|                                                                        |                                                                            |                         |  |                                          |      | 80       | 80     |
|                                                                        |                                                                            |                         |  |                                          |      | 81       | 81     |
|                                                                        |                                                                            |                         |  |                                          |      | 82       | 82     |
|                                                                        |                                                                            |                         |  |                                          |      | 83       | 83     |
|                                                                        |                                                                            |                         |  |                                          |      | 84       | 84     |
|                                                                        |                                                                            |                         |  |                                          |      | 85       | 85     |
|                                                                        |                                                                            |                         |  |                                          |      | 86       | 86     |
|                                                                        |                                                                            |                         |  |                                          |      | 87       | 87     |
|                                                                        |                                                                            |                         |  |                                          |      | 88       | 88     |
|                                                                        |                                                                            |                         |  |                                          |      | 89       | 89     |
|                                                                        |                                                                            |                         |  |                                          |      | 90       | 90     |
|                                                                        |                                                                            |                         |  |                                          |      | 91       | 91     |
|                                                                        |                                                                            |                         |  |                                          |      | 92       | 92     |
|                                                                        |                                                                            |                         |  |                                          |      | 93       | 93     |
|                                                                        |                                                                            |                         |  |                                          |      | 94       | 94     |
|                                                                        |                                                                            |                         |  |                                          |      | 95       | 95     |
|                                                                        |                                                                            |                         |  |                                          |      | 96       | 96     |
|                                                                        |                                                                            |                         |  |                                          |      | 97       | 97     |
|                                                                        |                                                                            |                         |  |                                          |      | 98       | 98     |
|                                                                        |                                                                            |                         |  |                                          |      | 99       | 99     |
|                                                                        |                                                                            |                         |  |                                          |      | 100      | 100    |
|                                                                        |                                                                            |                         |  |                                          |      | 101      | 101    |
|                                                                        |                                                                            |                         |  |                                          |      | 102      | 102    |
|                                                                        |                                                                            |                         |  |                                          |      | 103      | 103    |
|                                                                        |                                                                            |                         |  |                                          |      | 104      | 104    |
|                                                                        |                                                                            |                         |  |                                          |      | 105      | 105    |
|                                                                        |                                                                            |                         |  |                                          |      | 106      | 106    |
|                                                                        |                                                                            |                         |  |                                          |      | 107      | 107    |
|                                                                        |                                                                            |                         |  |                                          |      | 108      | 108    |
|                                                                        |                                                                            |                         |  |                                          |      | 109      | 109    |
|                                                                        |                                                                            |                         |  |                                          |      | 110      | 110    |
|                                                                        |                                                                            |                         |  |                                          |      | 111      | 111    |
|                                                                        |                                                                            |                         |  |                                          |      | 112      | 112    |
|                                                                        |                                                                            |                         |  |                                          |      | 113      | 113    |
|                                                                        |                                                                            |                         |  |                                          |      | 114      | 114    |
|                                                                        |                                                                            |                         |  |                                          |      | 115      | 115    |
|                                                                        |                                                                            |                         |  |                                          |      | 116      | 116    |
|                                                                        |                                                                            |                         |  |                                          |      | 117      | 117    |
|                                                                        |                                                                            |                         |  |                                          |      | 118      | 118    |
|                                                                        |                                                                            |                         |  |                                          |      | 119      | 119    |
|                                                                        |                                                                            |                         |  |                                          |      | 120      | 120    |
|                                                                        |                                                                            |                         |  |                                          |      | 121      | 121    |
|                                                                        |                                                                            |                         |  |                                          |      | 122      | 122    |
|                                                                        |                                                                            |                         |  |                                          |      | 123      | 123    |
|                                                                        |                                                                            |                         |  |                                          |      | 124      | 124    |
|                                                                        |                                                                            |                         |  |                                          |      | 125      | 125    |
|                                                                        |                                                                            |                         |  |                                          |      | 126      | 126    |
|                                                                        |                                                                            |                         |  |                                          |      | 127      | 127    |
|                                                                        |                                                                            |                         |  |                                          |      | 128      | 128    |
|                                                                        |                                                                            |                         |  |                                          |      | 129      | 129    |
|                                                                        |                                                                            |                         |  |                                          |      | 130      | 130    |
|                                                                        |                                                                            |                         |  |                                          |      | 131      | 131    |
|                                                                        |                                                                            |                         |  |                                          |      | 132      | 132    |
|                                                                        |                                                                            |                         |  |                                          |      | 133      | 133    |
|                                                                        |                                                                            |                         |  |                                          |      | 134      | 134    |
|                                                                        |                                                                            |                         |  |                                          |      | 135      | 135    |
|                                                                        |                                                                            |                         |  |                                          |      | 136      | 136    |
|                                                                        |                                                                            |                         |  |                                          |      | 137      | 137    |
|                                                                        |                                                                            |                         |  |                                          |      | 138      | 138    |
|                                                                        |                                                                            |                         |  |                                          |      | 139      | 139    |
|                                                                        |                                                                            |                         |  |                                          |      | 140      | 140    |
|                                                                        |                                                                            |                         |  |                                          |      | 141      | 141    |
|                                                                        |                                                                            |                         |  |                                          |      | 142      | 142    |
|                                                                        |                                                                            |                         |  |                                          |      | 143      | 143    |
|                                                                        |                                                                            |                         |  |                                          |      | 144      | 144    |
|                                                                        |                                                                            |                         |  |                                          |      | 145      | 145    |
|                                                                        |                                                                            |                         |  |                                          |      | 146      | 146    |
|                                                                        |                                                                            |                         |  |                                          |      | 147      | 147    |
|                                                                        |                                                                            |                         |  |                                          |      | 148      | 148    |
|                                                                        |                                                                            |                         |  |                                          |      | 149      | 149    |
|                                                                        |                                                                            |                         |  |                                          |      | 150      | 150    |
|                                                                        |                                                                            |                         |  |                                          |      | 151      | 151    |
|                                                                        |                                                                            |                         |  |                                          |      | 152      | 152    |
|                                                                        |                                                                            |                         |  |                                          |      | 153      | 153    |
|                                                                        |                                                                            |                         |  |                                          |      | 154      | 154    |
|                                                                        |                                                                            |                         |  |                                          |      | 155      | 155    |
|                                                                        |                                                                            |                         |  |                                          |      | 156      | 156    |
|                                                                        |                                                                            |                         |  |                                          |      | 157      | 157    |
|                                                                        |                                                                            |                         |  |                                          |      | 158      | 158    |
|                                                                        |                                                                            |                         |  |                                          |      | 159      | 159    |
|                                                                        |                                                                            |                         |  |                                          |      | 160      | 160    |
|                                                                        |                                                                            |                         |  |                                          |      | 161      | 161    |
|                                                                        |                                                                            |                         |  |                                          |      | 162      | 162    |
|                                                                        |                                                                            |                         |  |                                          |      | 163      | 163    |
|                                                                        |                                                                            |                         |  |                                          |      | 164      | 164    |
|                                                                        |                                                                            |                         |  |                                          |      | 165      | 165    |
|                                                                        |                                                                            |                         |  |                                          |      | 166      | 166    |
|                                                                        |                                                                            |                         |  |                                          |      | 167      | 167    |
|                                                                        |                                                                            |                         |  |                                          |      | 168      | 168    |
|                                                                        |                                                                            |                         |  |                                          |      | 169      | 169    |
|                                                                        |                                                                            |                         |  |                                          |      | 170      | 170    |
|                                                                        |                                                                            |                         |  |                                          |      | 171      | 171    |
|                                                                        |                                                                            |                         |  |                                          |      | 172      | 172    |
|                                                                        |                                                                            |                         |  |                                          |      | 173      | 173    |
|                                                                        |                                                                            |                         |  |                                          |      | 174      | 174    |
|                                                                        |                                                                            |                         |  |                                          |      | 175      | 175    |
|                                                                        |                                                                            |                         |  |                                          |      | 176      | 176    |
|                                                                        |                                                                            |                         |  |                                          |      | 177      | 177    |
|                                                                        |                                                                            |                         |  |                                          |      | 178      | 178    |
|                                                                        |                                                                            |                         |  | 179                                      | 179  |          |        |
|                                                                        |                                                                            |                         |  | 180                                      | 180  |          |        |
|                                                                        |                                                                            |                         |  | 181                                      | 181  |          |        |
|                                                                        |                                                                            |                         |  | 182                                      | 182  |          |        |
|                                                                        |                                                                            |                         |  | 183                                      | 183  |          |        |
|                                                                        |                                                                            |                         |  | 184                                      | 184  |          |        |
|                                                                        |                                                                            |                         |  | 185                                      | 185  |          |        |
|                                                                        |                                                                            |                         |  | 186                                      | 186  |          |        |
|                                                                        |                                                                            |                         |  | 187                                      | 187  |          |        |
|                                                                        |                                                                            |                         |  | 188                                      | 188  |          |        |
|                                                                        |                                                                            |                         |  | 189                                      | 189  |          |        |
|                                                                        |                                                                            |                         |  | 190                                      | 190  |          |        |
|                                                                        |                                                                            |                         |  | 191                                      | 191  |          |        |
|                                                                        |                                                                            |                         |  | 192                                      | 192  |          |        |
|                                                                        |                                                                            |                         |  | 193                                      | 193  |          |        |
|                                                                        |                                                                            |                         |  | 194                                      | 194  |          |        |
|                                                                        |                                                                            |                         |  | 195                                      | 195  |          |        |
|                                                                        |                                                                            |                         |  | 196                                      | 196  |          |        |
|                                                                        |                                                                            |                         |  | 197                                      | 197  |          |        |
|                                                                        |                                                                            |                         |  | 198                                      | 198  |          |        |
|                                                                        |                                                                            |                         |  | 199                                      | 199  |          |        |
|                                                                        |                                                                            |                         |  | 200                                      | 200  |          |        |
|                                                                        |                                                                            |                         |  | 201                                      | 201  |          |        |
|                                                                        |                                                                            |                         |  | 202                                      | 202  |          |        |
|                                                                        |                                                                            |                         |  | 203                                      | 203  |          |        |
|                                                                        |                                                                            |                         |  | 204                                      | 204  |          |        |
|                                                                        |                                                                            |                         |  | 205                                      | 205  |          |        |
|                                                                        |                                                                            |                         |  | 206                                      | 206  |          |        |
|                                                                        |                                                                            |                         |  | 207                                      | 207  |          |        |
|                                                                        |                                                                            |                         |  | 208                                      | 208  |          |        |
|                                                                        |                                                                            |                         |  | 209                                      | 209  |          |        |
|                                                                        |                                                                            |                         |  | 210                                      | 210  |          |        |
|                                                                        |                                                                            |                         |  | 211                                      | 211  |          |        |
|                                                                        |                                                                            |                         |  | 212                                      | 212  |          |        |
|                                                                        |                                                                            |                         |  | 213                                      | 213  |          |        |
|                                                                        |                                                                            |                         |  | 214                                      | 214  |          |        |
|                                                                        |                                                                            |                         |  | 215                                      | 215  |          |        |
|                                                                        |                                                                            |                         |  | 216                                      | 216  |          |        |
|                                                                        |                                                                            |                         |  | 217                                      | 217  |          |        |
|                                                                        |                                                                            |                         |  | 218                                      | 218  |          |        |
|                                                                        |                                                                            |                         |  | 219                                      | 219  |          |        |
|                                                                        |                                                                            |                         |  | 220                                      | 220  |          |        |
|                                                                        |                                                                            |                         |  | 221                                      | 221  |          |        |
|                                                                        |                                                                            |                         |  | 222                                      | 222  |          |        |
|                                                                        |                                                                            |                         |  | 223                                      | 223  |          |        |
|                                                                        |                                                                            |                         |  | 224                                      | 224  |          |        |
|                                                                        |                                                                            |                         |  | 225                                      | 225  |          |        |
|                                                                        |                                                                            |                         |  | 226                                      | 226  |          |        |
|                                                                        |                                                                            |                         |  | 227                                      | 227  |          |        |
|                                                                        |                                                                            |                         |  | 228                                      | 228  |          |        |
|                                                                        |                                                                            |                         |  | 229                                      | 229  |          |        |
|                                                                        |                                                                            |                         |  | 230                                      | 230  |          |        |
|                                                                        |                                                                            |                         |  | 231                                      | 231  |          |        |
|                                                                        |                                                                            |                         |  | 232                                      | 232  |          |        |
|                                                                        |                                                                            |                         |  | 233                                      | 233  |          |        |
|                                                                        |                                                                            |                         |  | 234                                      | 234  |          |        |
|                                                                        |                                                                            |                         |  | 235                                      | 235  |          |        |
|                                                                        |                                                                            |                         |  | 236                                      | 236  |          |        |
|                                                                        |                                                                            |                         |  | 237                                      | 237  |          |        |
|                                                                        |                                                                            |                         |  | 238                                      | 238  |          |        |
|                                                                        |                                                                            |                         |  | 239                                      | 239  |          |        |
|                                                                        |                                                                            |                         |  | 240                                      | 240  |          |        |
|                                                                        |                                                                            |                         |  | 241                                      | 241  |          |        |
|                                                                        |                                                                            |                         |  | 242                                      | 242  |          |        |
|                                                                        |                                                                            |                         |  | 243                                      | 243  |          |        |
|                                                                        |                                                                            |                         |  | 244                                      | 244  |          |        |
|                                                                        |                                                                            |                         |  | 245                                      | 245  |          |        |
|                                                                        |                                                                            |                         |  | 246                                      | 246  |          |        |
|                                                                        |                                                                            |                         |  | 247                                      | 247  |          |        |
|                                                                        |                                                                            |                         |  | 248                                      | 248  |          |        |
|                                                                        |                                                                            |                         |  | 249                                      | 249  |          |        |
|                                                                        |                                                                            |                         |  | 250                                      | 250  |          |        |
|                                                                        |                                                                            |                         |  | 251                                      | 251  |          |        |
|                                                                        |                                                                            |                         |  | 252                                      | 252  |          |        |
|                                                                        |                                                                            |                         |  | 253                                      | 253  |          |        |
|                                                                        |                                                                            |                         |  | 254                                      | 254  |          |        |
|                                                                        |                                                                            |                         |  | 255                                      | 255  |          |        |
|                                                                        |                                                                            |                         |  | 256                                      | 256  |          |        |
|                                                                        |                                                                            |                         |  | 257                                      | 257  |          |        |
|                                                                        |                                                                            |                         |  | 258                                      | 258  |          |        |
|                                                                        |                                                                            |                         |  | 259                                      | 259  |          |        |
|                                                                        |                                                                            |                         |  | 260                                      | 260  |          |        |
|                                                                        |                                                                            |                         |  | 261                                      | 261  |          |        |
|                                                                        |                                                                            |                         |  | 262                                      | 262  |          |        |
|                                                                        |                                                                            |                         |  | 263                                      | 263  |          |        |
|                                                                        |                                                                            |                         |  | 264                                      | 264  |          |        |
|                                                                        |                                                                            |                         |  | 265                                      | 265  |          |        |
|                                                                        |                                                                            |                         |  | 266                                      | 266  |          |        |
|                                                                        |                                                                            |                         |  | 267                                      | 267  |          |        |
|                                                                        |                                                                            |                         |  | 268                                      | 268  |          |        |
|                                                                        |                                                                            |                         |  | 269                                      | 269  |          |        |
|                                                                        |                                                                            |                         |  | 270                                      | 270  |          |        |
|                                                                        |                                                                            |                         |  | 271                                      | 271  |          |        |
|                                                                        |                                                                            |                         |  | 272                                      | 272  |          |        |
|                                                                        |                                                                            |                         |  | 273                                      | 273  |          |        |
|                                                                        |                                                                            |                         |  | 274                                      | 274  |          |        |
|                                                                        |                                                                            |                         |  | 275                                      | 275  |          |        |
|                                                                        |                                                                            |                         |  | 276                                      | 276  |          |        |
|                                                                        |                                                                            |                         |  | 277                                      | 277  |          |        |
|                                                                        |                                                                            |                         |  | 278                                      | 278  |          |        |
|                                                                        |                                                                            |                         |  | 279                                      | 279  |          |        |
|                                                                        |                                                                            |                         |  | 280                                      | 280  |          |        |
|                                                                        |                                                                            |                         |  | 281                                      | 281  |          |        |
|                                                                        |                                                                            |                         |  | 282                                      | 282  |          |        |
|                                                                        |                                                                            |                         |  | 283                                      | 283  |          |        |
|                                                                        |                                                                            |                         |  | 284                                      | 284  |          |        |
|                                                                        |                                                                            |                         |  | 285                                      | 285  |          |        |
|                                                                        |                                                                            |                         |  | 286                                      | 286  |          |        |
|                                                                        |                                                                            |                         |  | 287                                      | 287  |          |        |
|                                                                        |                                                                            |                         |  | 288                                      | 288  |          |        |
|                                                                        |                                                                            |                         |  | 289                                      | 289  |          |        |
|                                                                        |                                                                            |                         |  | 290                                      | 290  |          |        |
|                                                                        |                                                                            |                         |  | 291                                      | 291  |          |        |
|                                                                        |                                                                            |                         |  | 292                                      | 292  |          |        |
|                                                                        |                                                                            |                         |  | 293                                      | 293  |          |        |
|                                                                        |                                                                            |                         |  | 294                                      | 294  |          |        |
|                                                                        |                                                                            |                         |  | 295                                      | 295  |          |        |
|                                                                        |                                                                            |                         |  | 296                                      | 296  |          |        |
|                                                                        |                                                                            |                         |  | 297                                      | 297  |          |        |
|                                                                        |                                                                            |                         |  | 298                                      | 298  |          |        |
|                                                                        |                                                                            |                         |  | 299                                      | 299  |          |        |
|                                                                        |                                                                            |                         |  | 300                                      | 300  |          |        |
|                                                                        |                                                                            |                         |  | 301                                      | 301  |          |        |
|                                                                        |                                                                            |                         |  | 302                                      | 302  |          |        |
|                                                                        |                                                                            |                         |  | 303                                      | 303  |          |        |
|                                                                        |                                                                            |                         |  | 304                                      | 304  |          |        |
|                                                                        |                                                                            |                         |  | 305                                      | 305  |          |        |
|                                                                        |                                                                            |                         |  | 306                                      | 306  |          |        |
|                                                                        |                                                                            |                         |  | 307                                      | 307  |          |        |
|                                                                        |                                                                            |                         |  | 308                                      | 308  |          |        |
|                                                                        |                                                                            |                         |  | 309                                      | 309  |          |        |
|                                                                        |                                                                            |                         |  | 310                                      | 310  |          |        |
|                                                                        |                                                                            |                         |  | 311                                      | 311  |          |        |
|                                                                        |                                                                            |                         |  | 312                                      | 312  |          |        |
|                                                                        |                                                                            |                         |  | 313                                      | 313  |          |        |
|                                                                        |                                                                            |                         |  | 314                                      | 314  |          |        |
|                                                                        |                                                                            |                         |  | 315                                      | 315  |          |        |
|                                                                        |                                                                            |                         |  | 316                                      | 316  |          |        |
|                                                                        |                                                                            |                         |  | 317                                      | 317  |          |        |
|                                                                        |                                                                            |                         |  | 318                                      | 318  |          |        |
|                                                                        |                                                                            |                         |  | 319                                      | 319  |          |        |
|                                                                        |                                                                            |                         |  | 320                                      | 320  |          |        |
|                                                                        |                                                                            |                         |  | 321                                      | 321  |          |        |
|                                                                        |                                                                            |                         |  | 322                                      | 322  |          |        |
|                                                                        |                                                                            |                         |  | 323                                      | 323  |          |        |
|                                                                        |                                                                            |                         |  | 324                                      | 324  |          |        |
|                                                                        |                                                                            |                         |  | 325                                      | 325  |          |        |
|                                                                        |                                                                            |                         |  | 326                                      | 326  |          |        |
|                                                                        |                                                                            |                         |  | 327                                      | 327  |          |        |
|                                                                        |                                                                            |                         |  | 328                                      | 328  |          |        |
|                                                                        |                                                                            |                         |  | 329                                      | 329  |          |        |
|                                                                        |                                                                            |                         |  | 330                                      | 330  |          |        |
|                                                                        |                                                                            |                         |  | 331                                      | 331  |          |        |
|                                                                        |                                                                            |                         |  | 332                                      | 332  |          |        |
|                                                                        |                                                                            |                         |  | 333                                      | 333  |          |        |
|                                                                        |                                                                            |                         |  | 334                                      | 334  |          |        |
|                                                                        |                                                                            |                         |  | 335                                      | 335  |          |        |
|                                                                        |                                                                            |                         |  | 336                                      | 336  |          |        |
|                                                                        |                                                                            |                         |  | 337                                      | 337  |          |        |
|                                                                        |                                                                            |                         |  | 338                                      | 338  |          |        |
|                                                                        |                                                                            |                         |  | 339                                      | 339  |          |        |
|                                                                        |                                                                            |                         |  | 340                                      | 340  |          |        |
|                                                                        |                                                                            |                         |  | 341                                      | 341  |          |        |
|                                                                        |                                                                            |                         |  | 342                                      | 342  |          |        |
|                                                                        |                                                                            |                         |  | 343                                      | 343  |          |        |
|                                                                        |                                                                            |                         |  | 344                                      | 344  |          |        |
|                                                                        |                                                                            |                         |  | 345                                      | 345  |          |        |
|                                                                        |                                                                            |                         |  | 346                                      | 346  |          |        |
|                                                                        |                                                                            |                         |  | 347                                      | 347  |          |        |
|                                                                        |                                                                            |                         |  | 348                                      | 348  |          |        |
|                                                                        |                                                                            |                         |  | 349                                      | 349  |          |        |
|                                                                        |                                                                            |                         |  | 350                                      | 350  |          |        |
|                                                                        |                                                                            |                         |  | 351                                      | 351  |          |        |
|                                                                        |                                                                            |                         |  | 352                                      | 352  |          |        |
|                                                                        |                                                                            |                         |  | 353                                      | 353  |          |        |
|                                                                        |                                                                            |                         |  | 354                                      | 354  |          |        |
|                                                                        |                                                                            |                         |  | 355                                      | 355  |          |        |
|                                                                        |                                                                            |                         |  |                                          |      |          |        |







C:\Users\URHOneDrive - fewood.com\Desktop\Temp Drawings\23012.0 - Fisher St Townhomes Dover\Drawings\LP\_240208.dwg: URH 2/9/2024 9:08:32 AM



Legend

- DECIDUOUS TREE PLANTING, SEE 1/L2.0
- DECIDUOUS MULTI-STEMMED TREE PLANTING, SEE 3/L2.0
- EVERGREEN TREE PLANTING, SEE 2/L2.0
- SHRUB PLANTING, SEE 4/L2.0
- WET SITE RESTORATION SEEDING, SEE 5/L2.0
- DRY SITE RESTORATION SEEDING, SEE 6/L2.0
- LOAM AND LAWN SEED MIX, SEE 7/L2.0

Plant Schedule

| DECIDUOUS SHADE TREES      |       |                                               |                                |               |                          |                    |
|----------------------------|-------|-----------------------------------------------|--------------------------------|---------------|--------------------------|--------------------|
| QTY.                       | ABRV. | SCIENTIFIC NAME                               | COMMON NAME                    | SIZE          | APPROX. SIZE AT MATURITY | REMARKS            |
| 2                          | LSR   | LIQUIDAMBAR STYRACIFLUA 'ROTYUNDOLOBA'        | ROUND-LEAFED SWEETGUM          | 3'-3 1/2" CAL | 40' HT X 20' SPD         | B&B                |
| 3                          | QR    | QUERCUS RUBRA                                 | RED OAK                        | 3'-3 1/2" CAL | 60' HT X 20' SPD         | B&B                |
| 2                          | UJ    | ULMUS AMERICANA 'JEFFERSON'                   | JEFFERSON AMERICAN ELM         | 3'-3 1/2" CAL | 60' HT X 40' SPD         | B&B                |
| 7                          |       |                                               |                                |               |                          |                    |
| DECIDUOUS UNDERSTORY TREES |       |                                               |                                |               |                          |                    |
| 4                          | AG    | ACER GRISEUM                                  | PAPERBARK MAPLE                | 2 1/2"-3" CAL | 20' HT X 15' SPD         | B&B, SINGLE        |
| 3                          | AGA   | AMELANCHIER X GRANDIFLORA 'AUTUMN BRILLIANCE' | AUTUMN BRILLIANCE SERVICEBERRY | 2 1/2"-3" CAL | 20' HT X 20' SPD         | B&B, SINGLE        |
| 5                          | BNH   | BETULA NIGRA 'HERITAGE'                       | DURA HEAT RIVER BIRCH          | 10'-12' HT    | 40' HT X 20' SPD         | B&B, MULTI-STEMMED |
| 3                          | CCP   | CARPINUS CAROLINIANA 'PALISADE'               | PALISADE AMERICAN HORNBEAM     | 2 1/2"-3" CAL | 20' HT X 15' SPD         | B&B, SINGLE        |
| 3                          | CMG   | CORNUS MAS 'GOLDEN GLORY'                     | GOLDEN GLORY CORNELIANCHERRY   | 7'-8' HT      | 20' HT X 15' SPD         | B&B, MULTI-STEMMED |
| 3                          | NSG   | NYSSA SYLVATICA 'GUMDROP'                     | GUMDROP TUPELO                 | 2 1/2"-3" CAL | 20' HT X 15' SPD         | B&B, SINGLE        |
| 3                          | PVC   | PRUNUS VIRGINIANA 'CANADA RED'                | CANADA RED CHERRY              | 2 1/2"-3" CAL | 20' HT X 15' SPD         | B&B, SINGLE        |
| 24                         |       |                                               |                                |               |                          |                    |
| EVERGREEN TREES            |       |                                               |                                |               |                          |                    |
| 6                          | JVC   | JUNIPERUS VIRGINIANA 'CANAERTII'              | CANAERT EASTERN RED CEDAR      | 6'-7' HT      | 20' HT X 15' SPD         | B&B                |
| 3                          | PGD   | PICEA GLAUCA 'DENSATA'                        | BLACK HILLS SPRUCE             | 6'-7' HT      | 25' HT X 15' SPD         | B&B                |
| 3                          | PSW   | PINUS STROBUS 'WHITE MOUNTAIN'                | WHITE MOUNTAIN WHITE PINE      | 7'-8' HT      | 30' HT X 20' SPD         | B&B                |
| 4                          | TON   | THUJA OCCIDENTALIS 'NIGRA'                    | DARK AMERICAN ARBORVITAE       | 8'-10' HT     | 20' HT X 15' SPD         | B&B                |
| 3                          | TPG   | THUJA PLICATA 'GREEN GIANT'                   | GREEN GIANT ARBORVITAE         | 8'-10' HT     | 30' HT X 20' SPD         | B&B                |
| 22                         |       |                                               |                                |               |                          |                    |
| SHRUBS                     |       |                                               |                                |               |                          |                    |
| 12                         | ALM   | ARONIA MELANOCARPA 'LOW SCAPE MOUND'          | LOW MOUND CHOKEBERRY           | #5            | 3' HT X 3' SPD           | CONTAINER          |
| 3                          | IGS   | ILEX GLABRA 'SHAMROCK'                        | SHAMROCK INKBERRY              | #5            | 4' HT X 3' SPD           | CONTAINER          |
| 3                          | RRE   | RHODODENDRON CATAWBIENSE 'ROSEUM ELEGAN'      | ROSEUM ELEGAN RHODODENDRON     | #5            | 8' HT X 6' SPD           | CONTAINER          |
| 20                         | RAG   | RHUS AROMATICA 'GROW LOW'                     | GROW LOW SUMAC                 | #3            | 2' HT X 6' SPD           | CONTAINER          |
| 6                          | RCW   | RHODODENDRON 'CUNNINGHAM WHITE'               | CUNNINGHAM WHITE RHODODENDRON  | #5            | 4' HT X 4' SPD           | CONTAINER          |
| 44                         |       |                                               |                                |               |                          |                    |
| PERENNIALS                 |       |                                               |                                |               |                          |                    |
| 10                         | BAL   | BAPTISIA AUSTRALIS 'LEMON MERINGUE'           | LEMON MERINGUE FALSE INDIGO    | #3            | 3' HT X 3' SPD           | CONTAINER          |
| 10                         | HF    | HEMEROCALLIS FLAVA                            | DAYLILY                        | #2            | 2' HT X 2' SPD           | CONTAINER          |
| 20                         |       |                                               |                                |               |                          |                    |

- GENERAL NOTES:
- SEE CIVIL DRAWINGS FOR INFORMATION NOT DEPICTED ON THE LANDSCAPE DRAWINGS.
  - PLANT LOCATIONS SHOWN ON THE PLANTING PLAN ARE SUBJECT TO FIELD MODIFICATION TO ACCOMMODATE EXISTING CONDITIONS. FIELD ADJUSTMENTS SHALL BE COORDINATED WITH THE LANDSCAPE ARCHITECT.
  - WITHIN THE LIMIT OF WORK, ANY INVASIVE PLANT SPECIES ENCOUNTERED SHALL BE REMOVED FOLLOWING NEW HAMPSHIRE DEPARTMENT OF ENVIRONMENTAL MANAGEMENT BEST MANAGEMENT PRACTICES.
  - ALL DISTURBED AREAS NOT IDENTIFIED FOR A SPECIFIC LANDSCAPE TREATMENT, SHALL BE LOAMED AND SEEDDED WITH LAWN SEED MIX, SEE 7/L2.0.
  - SEE SHEET L2.0 FOR LANDSCAPE DETAILS AND NOTES.
  - CONTACT DIGSAFE PRIOR TO BEGINNING WORK.

FISHER STREET TOWNHOUSES  
FISHER STREET, DOVER, NH 03820

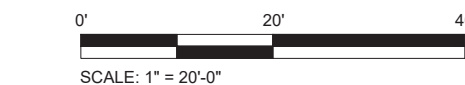
SHEET TITLE

LANDSCAPE  
PLAN

REVISION LOG

| REV# | DATE   | DESCRIPTION                                        |
|------|--------|----------------------------------------------------|
| 1    | 2/8/24 | REVISIONS PER CITY COMMENTS AND UPDATED CIVIL PLAN |
|      |        |                                                    |
|      |        |                                                    |
|      |        |                                                    |

| REV#        | DATE                  | DESCRIPTION |
|-------------|-----------------------|-------------|
| PROJECT NO. | 23012.0               |             |
| DESIGN BY   | J. HYLAND             |             |
| DRAWN BY    | S. WRIGHT             |             |
| CHECKED BY  | D. JENSEN / J. HYLAND |             |
| DATE        | NOVEMBER 8, 2023      |             |
| SCALE       |                       |             |



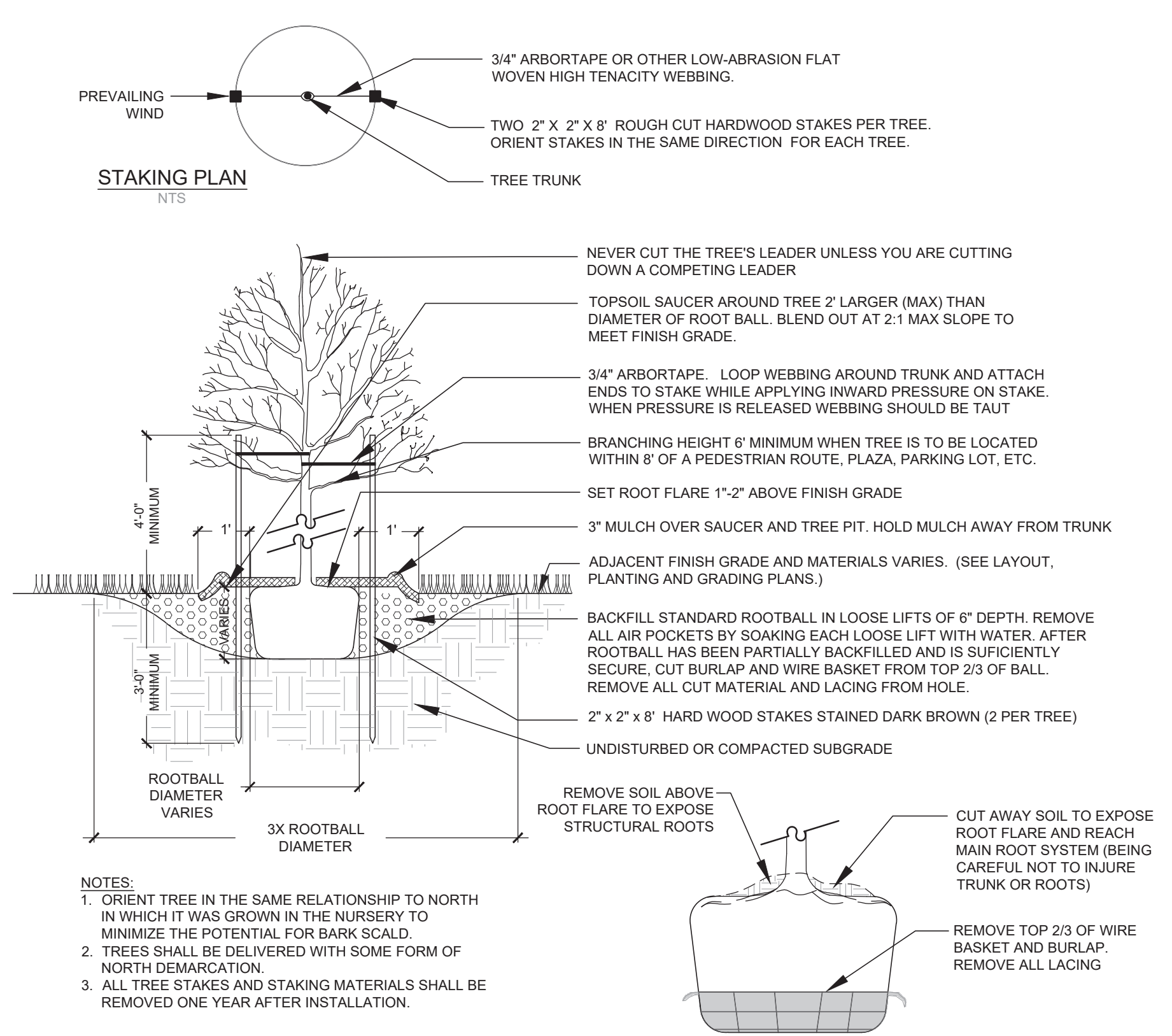
SEAL



L1.0



C:\Users\URH\OneDrive - fewood.com\Desktop\Temp Desktop\23012.0 - Fisher St Townhomes Dover\Drawings\LP\_240208.dwg: URH 2/8/2024 8:45:24 PM



## Deciduous Tree Planting

Not to Scale

©IRONWOOD 2023

1

L2.0

### PLANTING NOTES:

1. REVIEW AND BECOME FULLY ACQUAINTED WITH THESE NOTES, CONSTRUCTION DETAILS, AND THE PLANTING PLAN.
2. LOCATE AND VERIFY ALL EXISTING AND NEW UTILITY LINE LOCATIONS PRIOR TO PLANTING, REPORT ANY CONFLICT TO THE LANDSCAPE ARCHITECT.
3. ALL PLANT MATERIAL SHALL CONFORM TO THE GUIDELINES ESTABLISHED BY THE "AMERICAN STANDARD FOR NURSERY STOCK" PUBLISHED BY THE AMERICAN SOCIETY OF NURSERY MEN, INC. LATEST EDITION.
4. THE LOCATION OF ALL THE PROPOSED PLANT MATERIAL SHALL BE APPROVED BY THE LANDSCAPE ARCHITECT PRIOR TO PLANTING. NO PLANTS SHALL BE PLANTED BEFORE THE ACCEPTANCE OF ROUGH GRADING.
5. THE BASE OF THE FLARE OF ALL TREE TRUNKS SHALL BE EXPOSED, AND SET 1"-2" ABOVE FINISH GRADE.
6. ANY PROPOSED SUBSTITUTIONS OF PLANT SPECIES WILL BE PLANTS WITH EQUIVALENT OVERALL FORM, HEIGHT, BRANCHING HABIT, FLOWER COLOR, LEAF COLOR, FRUIT COLOR, AND TIME OF BLOOM, AS APPROVED BY THE LANDSCAPE ARCHITECT.
7. EXISTING LOAM: STOCKPILING OF EXISTING LOAM IS SPECIFIED ELSEWHERE. REMOVE CLAY LUMPS, BRUSH, LITTER, ROOTS, STONES 1" AND LARGER, AND ANY DEBRIS AND FOREIGN MATERIALS.
8. ADDITIONAL LOAM: IF STOCKPILED LOAM QUANTITY IS INSUFFICIENT, PROVIDE LOAM, THAT IS A "FINE SANDY LOAM", OR A "SANDY LOAM" DETERMINED BY MECHANICAL ANALYSIS AND BASED ON THE "U.S.D.A. CLASSIFICATION SYSTEM." IT SHALL BE OF UNIFORM COMPOSITION, WITHOUT ADMIXTURE OF SUBSOIL. LOAM SHALL HAVE A PH 5.8 TO PH 7.0 AND SHALL CONTAIN NOT LESS THAN 4% NOR MORE THAN 10% ORGANIC MATTER AS DETERMINED BY THE LOSS OF IGNITION OF OVEN-DRIED SAMPLES. PROVIDE LOAM THAT IS FERTILE, FRIABLE, NATURAL LOAM, FREE FROM SUBSOIL, CLAY LUMPS, BRUSH, LITTER, ROOTS, STONES 1/2" AND LARGER, AND ANY DEBRIS AND FOREIGN MATERIAL.
9. BARK MULCH: ALL PLANT MATERIAL SHALL BE MULCHED AFTER PLANTING. PROVIDE PARTIALLY DECOMPOSED MINIMUM SIX MONTH AGED FINELY SHREDDED BARK MULCH OF A DARK BROWN COLOR AND FREE OF WEEDS, EXCESSIVE FINE PARTICLES, STRINGY MATERIAL, AND CHUNKS OF WOOD THICKER THAN 1/2". BARK MULCH SHALL BE APPROVED BY THE LANDSCAPE ARCHITECT
10. ALL PLANTS SHALL BE PLUM VERTICALLY AFTER SETTLING.
11. LESS OTHERWISE INDICATED, DICTATED BY CONDITIONS AT THE SITE, AND DIRECTED BY LANDSCAPE ARCHITECT, BACKFILL SHALL CONSIST OF UNAMENDED SOIL EXCAVATED FROM THE PLANTING PIT. BACKFILL IN 6" LIFTS AND CONSOLIDATE EACH LAYER WITH WATER TO ELIMINATE VOIDS AND ARE POCKETS BEFORE PLACING SUBSEQUENT LAYERS. CONTINUE UNTIL BACKFILL HAS REACHED FINISHED GRADE. WATER THOROUGHLY WHEN EXCAVATION IS BACK FILLED AND CONTINUE WATERING UNTIL SATURATED.
12. IF EXISTING UNAMENDED TOP SOIL IS POOR AND NOT ACCEPTED, PROVIDE PLANTING SOIL MIXTURE CONSISTING OF 7 PARTS LOAM AND 1 PART COMPOST. MIX QUANTITY OF FERTILIZER AND SOIL AMENDMENTS AS RECOMMENDED BY SOIL ANALYSIS AND APPROVED BY THE LANDSCAPE ARCHITECT.
13. WATERING: FLOOD ALL PLANTS WITH WATER TWICE WITHIN THE FIRST 24 HOURS AFTER PLANTING.
14. LOAMING: LOOSEN SUBGRADE AND EXISTING LOAM AREAS BY DISCING OR ROTOTILLING TO MINIMUM DEPTH OF 6". REMOVE STONES GREATER THAN 1" AND ALL RUBBISH AND DEBRIS. PLACE LOAM IN TWO EQUAL LIFTS MIXING FIRST APPLICATION INTO LOOSENED SUBGRADE THEN PLACE SECOND LIFT TO BRING LOAM AFTER SETTLING AND COMPACTING TO THE LINES AND GRADES SHOWN ON THE PLANS. DO NOT HANDLE LOAM OR SUBSOIL IF IT IS WET OR FROZEN.
15. AFTER LOAM HAS BEEN SPREAD, IT SHALL BE CAREFULLY PREPARED BY SCARIFYING AND HAND RAKING. ALL LARGE STIFF CLODS, LUMPS, BRUSH, ROOTS, STUMPS, LITTER AND FOREIGN MATTER, AND STONES OVER 1/2" IN DIAMETER SHALL BE REMOVED FROM THE LOAM. LOAM SHALL ALSO BE FREE OF SMALLER STONES IN EXCESSIVE QUANTITIES AS DETERMINED BY THE LANDSCAPE ARCHITECT.
16. FINE GRADING: SET SUFFICIENT GRADE STAKES FOR CHECKING THE FINISHED GRADES. STAKES MUST BE SET AT THE BOTTOM AND TOP OF SLOPES. GRADES SHALL BE ESTABLISHED THAT ARE ACCURATE TO +/- 1/10TH OF A FOOT. CONNECT CONTOURS AND SPOT ELEVATIONS WITH AN EVEN SLOPE. ALL GRADING WILL INSURE DRAINAGE AWAY FROM STRUCTURES.
17. FINE GRADE LAWN AREAS TO SMOOTH, FREE DRAINING, EVEN SURFACES WITH FINE TEXTURE. ROLL, RAKE AND DRAW LAWN AREAS TO FLATTEN RIDGES AND FILL DEPRESSIONS, EXCEPT AT SELECT AREAS SHOW ON THE DRAWINGS. CONTROL MOISTURE CONTENT TO MAINTAIN OPTIMUM CONDITIONS, BUT DO NOT CREATE A MUDDY CONDITION. APPLY TACKIFIED MULCH TO ALL SEEDED AREAS.
18. ROLLING - TYPICAL: ROLL THE ENTIRE AREA WITH A HAND ROLLER WEIGHTING NOT MORE THAN 100 POUNDS. DURING THE ROLLING, ALL DEPRESSIONS CAUSED BY SETTLEMENT OF ROLLING SHALL BE FILLED WITH ADDITIONAL LOAM AND THE SURFACE SHALL BE RE-GRADED AND ROLLED UNTIL PRESENTING A SMOOTH AND EVEN FINISH TO THE REQUIRED GRADE OR TO THE SHAPES AND CONFIGURATIONS AS SHOWN ON THE DETAILS.
19. THE SILT FENCE SHALL BE LIMIT OF SEEDING UNLESS OTHERWISE INDICATED ON THE DRAWINGS. ALL AREAS DISTURBED OUTSIDE THE LIMIT OF WORK SHALL BE SEEDED AS INDICATED ON THE DRAWINGS.
20. IN CASE OF DISCREPANCIES BETWEEN THE QUANTITIES SHOWN ON THE PLANT SCHEDULE AND THE QUANTITIES SHOWN ON THE PLANTING PLAN, THE QUANTITIES ON THE PLANTING PLAN SHALL BE PROVIDED BY THE CONTRACTOR.

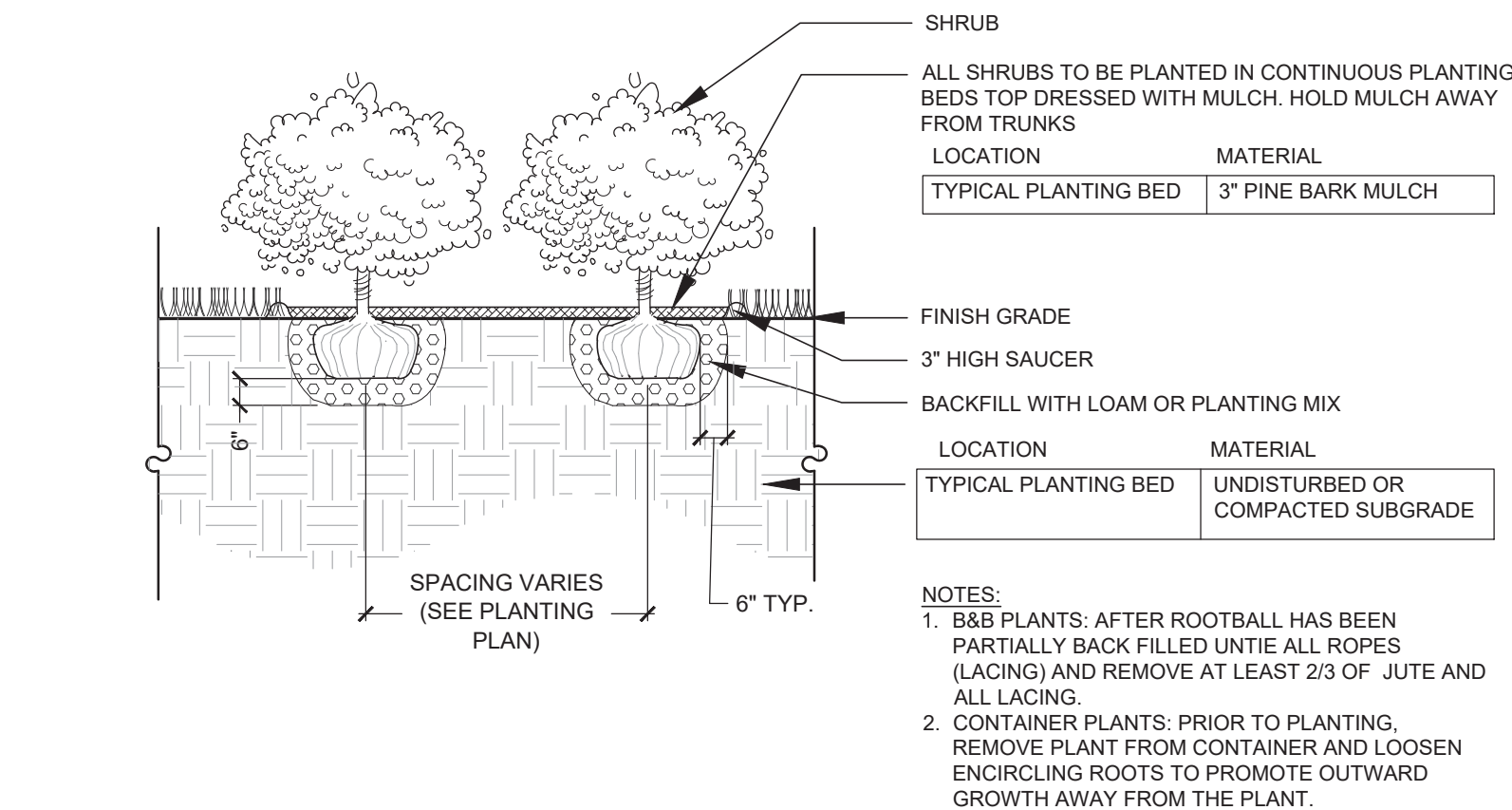
## Evergreen Tree Planting

Not to Scale

©IRONWOOD 2023

2

L2.0



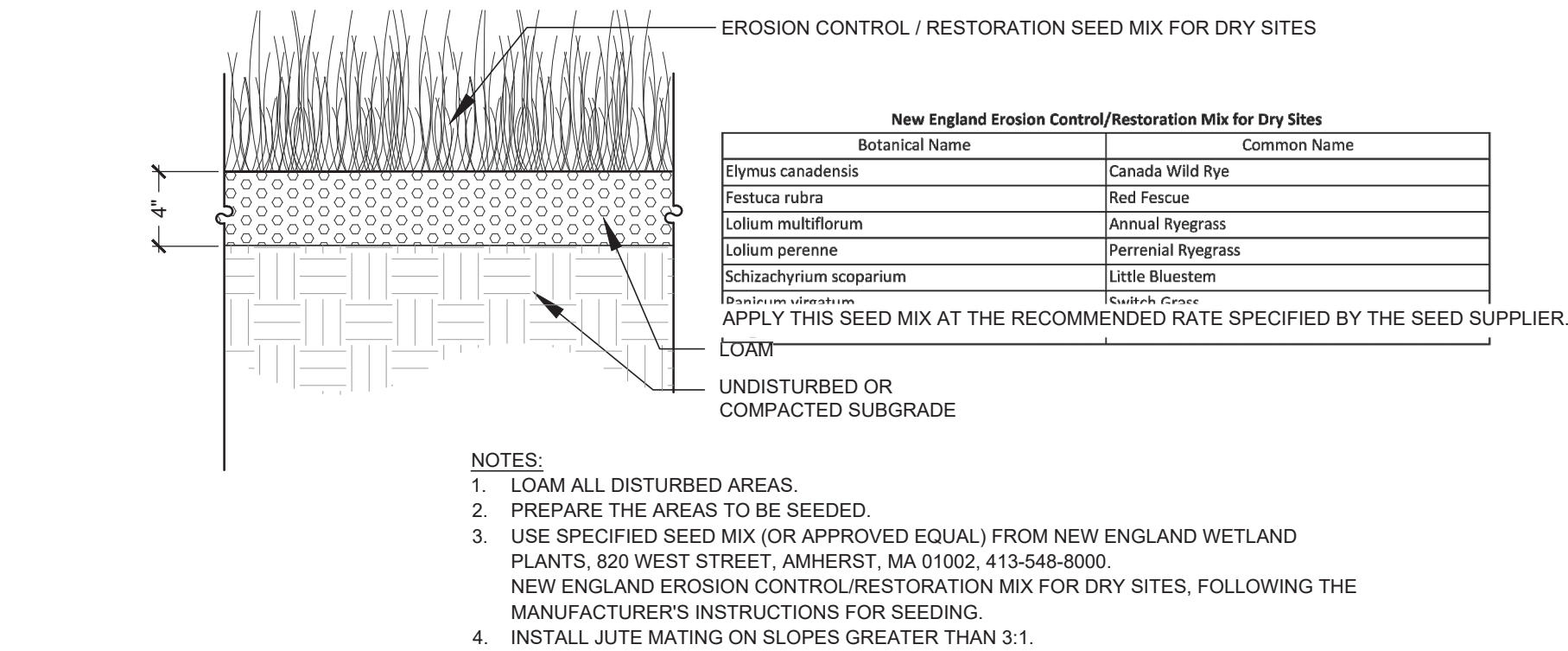
## Shrub Planting

Not to Scale

©IRONWOOD 2023

4

L2.0



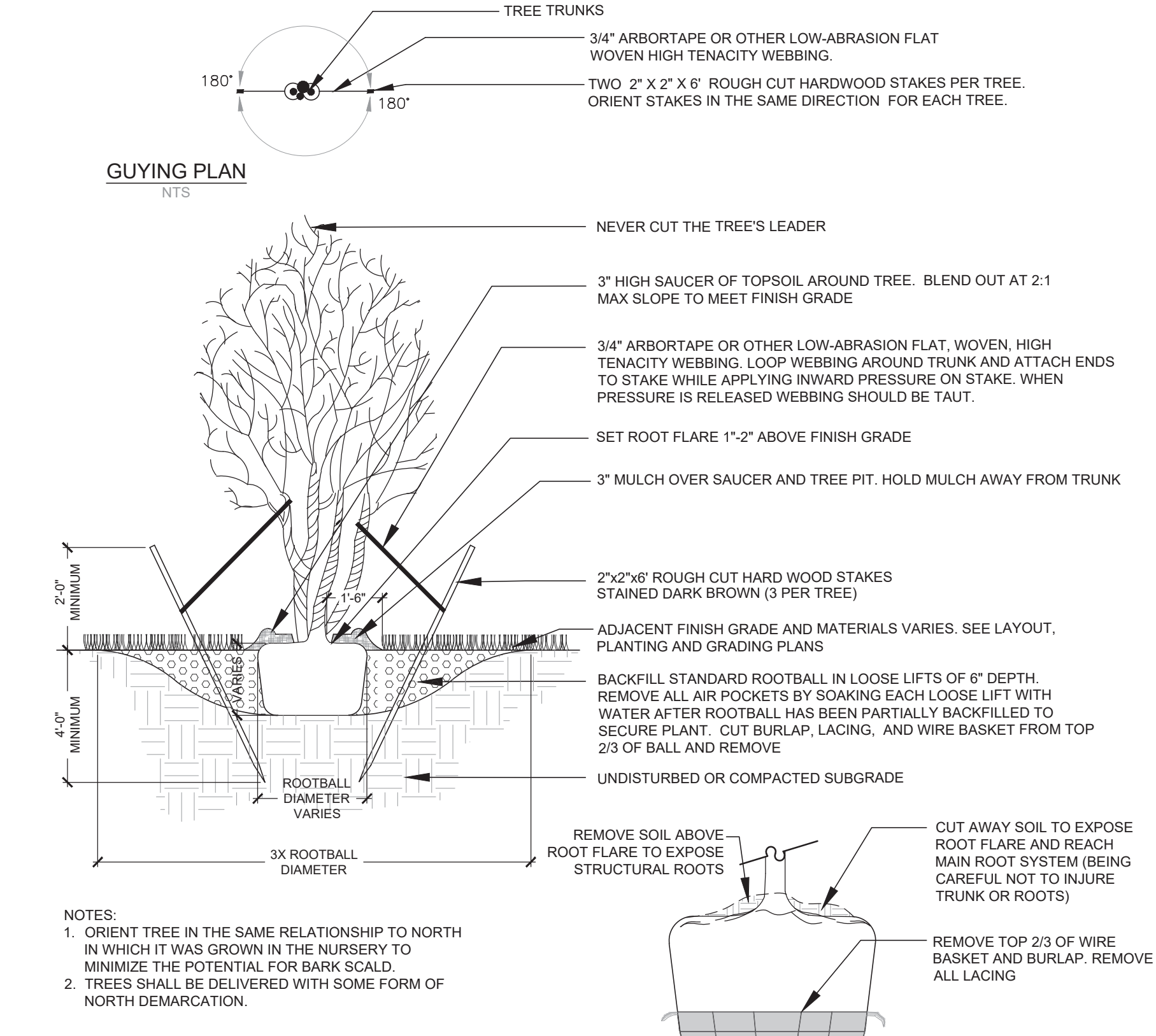
## Dry Site Restoration Seeding

Not to Scale

©IRONWOOD 2023

6

L2.0



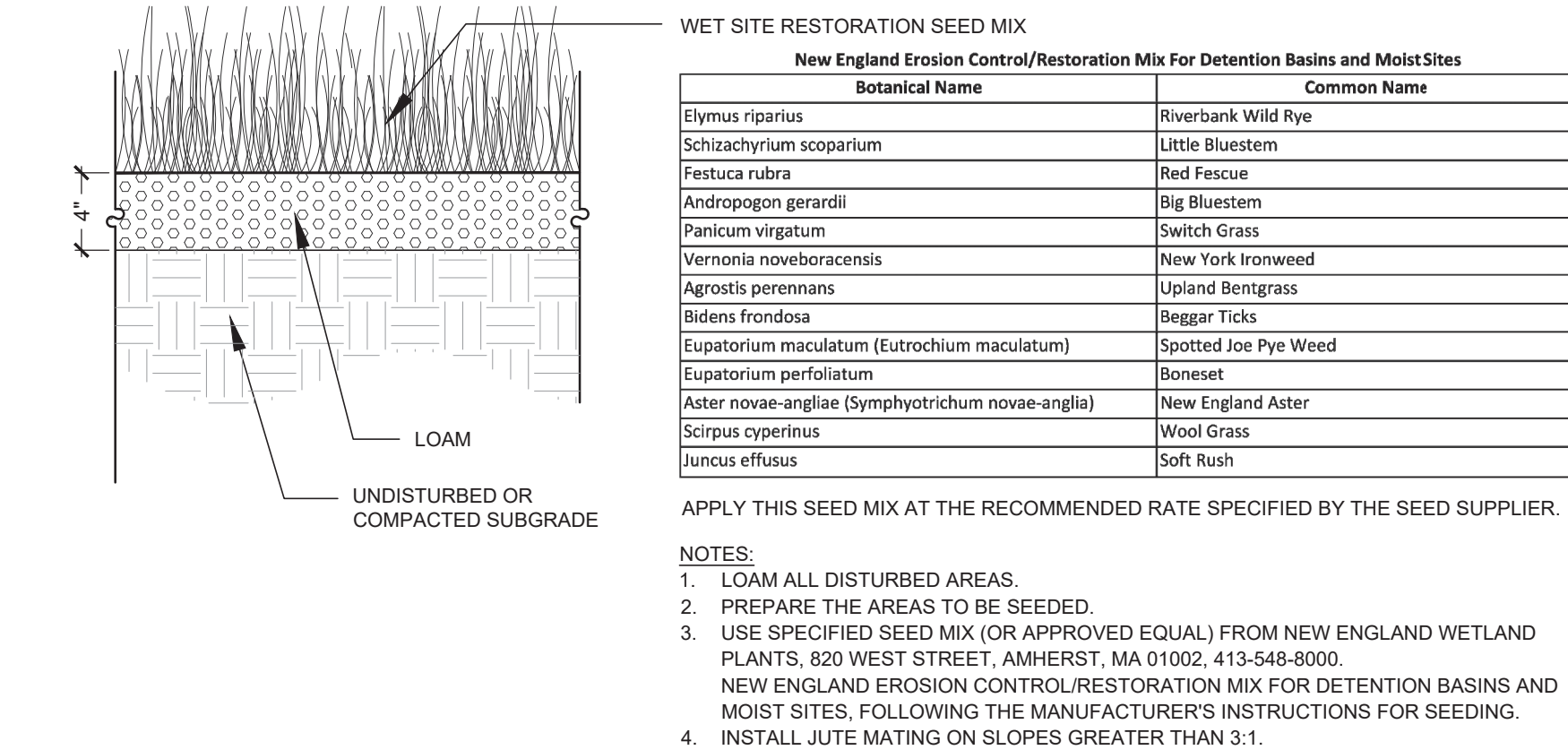
## Deciduous Multi-Stemmed Tree Planting

Not to Scale

©IRONWOOD 2023

3

L2.0



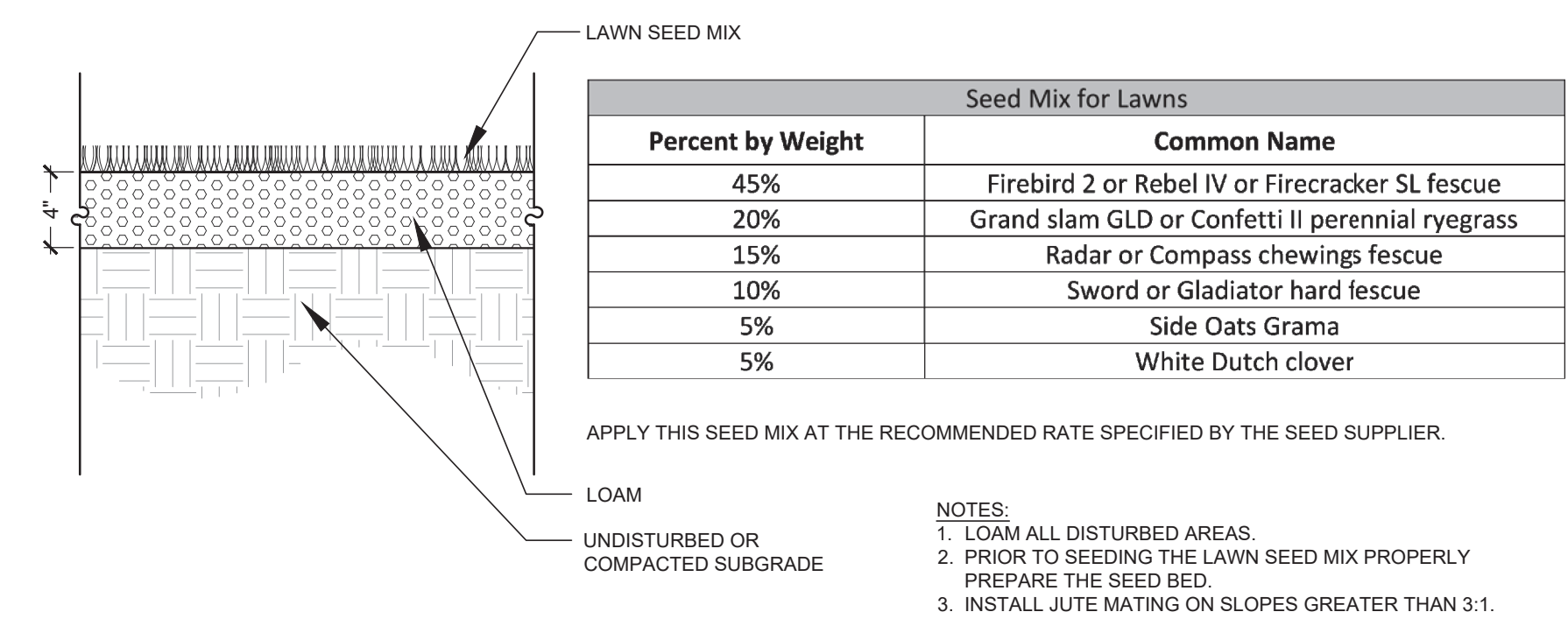
## Wet Site Restoration Seeding

Not to Scale

©IRONWOOD 2023

5

L2.0



## Loam and Lawn Seeding

Not to Scale

©IRONWOOD 2023

7

L2.0

### REVISION LOG

| REV# | DATE   | DESCRIPTION                                        |
|------|--------|----------------------------------------------------|
| 1    | 2/8/24 | REVISIONS PER CITY COMMENTS AND UPDATED CIVIL PLAN |
| 2    |        |                                                    |
| 3    |        |                                                    |
| 4    |        |                                                    |

| DESIGN BY  | J. HYLAND            |
|------------|----------------------|
| DRAWN BY   | S. WRIGHT            |
| CHECKED BY | D.JENSEN / J. HYLAND |
| DATE       | NOVEMBER 8, 2023     |
| SCALE      | AS NOTED             |

### SEAL







## PERMIT SNAPSHOT REPORT COND-2024-0004 FOR CITY OF DOVER, N.H.

|                                                                                                                                                                                                                                           |                 |                     |                  |                                  |               |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|---------------------|------------------|----------------------------------|---------------|
| <b>Permit Type</b>                                                                                                                                                                                                                        | Conditional Use | <b>Project:</b>     |                  | <b>App Date:</b>                 | 02/29/2024    |
| <b>Work Class:</b>                                                                                                                                                                                                                        | Environmental   | <b>District:</b>    | None             | <b>Exp Date:</b>                 | NOT AVAILABLE |
| <b>Status:</b>                                                                                                                                                                                                                            | In Review       | <b>Square Feet:</b> | 0.00             | <b>Completed:</b>                | NOT COMPLETED |
| <b>Valuation:</b>                                                                                                                                                                                                                         | \$0.00          | <b>Assigned To:</b> | Blonigen, Rachel | <b>Approval<br/>Expire Date:</b> |               |
| <b>Description:</b> Maintenance and improvements within Unitol's existing right-of-way between the end of Gerrish Road and Unitol's existing metering station near Dover Point Road. The work will cause unavoidable impacts to wetlands. |                 |                     |                  |                                  |               |

|                |              |      |                 |                                     |      |              |                                                                       |
|----------------|--------------|------|-----------------|-------------------------------------|------|--------------|-----------------------------------------------------------------------|
| <b>Parcel:</b> | M0047-C00000 | Main | <b>Address:</b> | 1 Polly Ann Trailer Pk<br>Dover, NH | Main | <b>Zone:</b> | R-12(Residential - Medium Density)<br>R-20(Residential - Low Density) |
|----------------|--------------|------|-----------------|-------------------------------------|------|--------------|-----------------------------------------------------------------------|

|                                                                                                                |                                                                                                                                 |                                                                                                                                     |                                                                                                                                   |
|----------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------|
| Plan Preparer<br>Eric Gerade, PE<br>Home: (000) 000-0000<br>Business: (603) 391-3972<br>Mobile: (000) 000-0000 | Owner<br>Unitil Granite State Gas<br>Transmission<br>Home: (000) 000-0000<br>Business: (603) 294-5191<br>Mobile: (603) 944-2454 | Applicant<br>Unitil Granite State Gas<br>Transmission<br>Home: (000) 000-0000<br>Business: (603) 294-5191<br>Mobile: (603) 944-2454 | Project Manager<br>Stephen Herzog<br>VHB, 120 Front St. Suite 500<br>Suite 500<br>Worcester, MA 01608<br>Business: (508) 517-6470 |
|----------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------|

Applicant  
Stephen Herzog  
VHB, 120 Front St. Suite 500  
Suite 500  
Worcester, MA 01608  
Business: (508) 517-6470

### Permit Custom Fields

| Select Permit Type        | Wetland Protection District | General Purpose | Alteration / Addition                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Project Zone | Mixed Use                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|---------------------------|-----------------------------|-----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| What is the parcel zoned? | R-12                        | Work            | Unitil will construct a project in three parts, all within Unitol's existing ROW for which Unitol has easements providing the right to perform this maintenance and improvement work: <ul style="list-style-type: none"><li>• Install a replacement section of gas pipe;</li><li>• Upgrade the existing ROW with a gravel surface road;</li><li>• Construct an above-ground appurtenant station for pipeline inspection equipment.</li></ul> The location for the work is necessary based on the alignment of the existing pipe and the position of assets within Unitol's pipeline network near the existing metering and regulating station. The project will cause 17,015 square feet of unavoidable impacts to palustrine wetlands. No estuarine or tidal wetlands will be affected. |              | The wetlands in the ROW were previously disturbed by the placement of the gas pipe in the 1960s and also by construction of an adjacent sewer main. There are no practicable alternatives for the project because it must be constructed in the location of the existing pipeline and within Unitol's ROW. Unitol avoided wetlands impacts to the extent possible, and minimized necessary impacts. The applicant will provide compensatory impact mitigation in the form of an in lieu fee payment to the New Hampshire Aquatic Resources Mitigation fund. |



# PERMIT SNAPSHOT REPORT (COND-2024-0004)

permitsstatefed  
Unitil submitted a NH DES Standard Dredge and Fill Wetlands Permit application on January 30, and forwarded the application to the US Army Corps of Engineers as a Pre-Construction Notification. Unitil submitted a Utility Statutory Permit by Notification for preliminary tree trimming work. Unitil submitted a Shoreland permit for the portion of the project outside the 100-foot tidal buffer zone but within the 250-foot shoreland zone.

| Attachment File Name                   | Added On         | Added By         | Attachment Group | Notes                                            |
|----------------------------------------|------------------|------------------|------------------|--------------------------------------------------|
| Signature_Stephen_Herzog_2/29/2024.jpg | 02/29/2024 12:50 | Herzog, Stephen  |                  | Uploaded via CSS                                 |
| Permit Snapshot Report.pdf             | 02/29/2024 12:50 | Service, EnerGov |                  | Attached by IO - ATTACH: Initial Permit Snapshot |

| Invoice No.                    | Fee                              | Fee Amount | Amount Paid |
|--------------------------------|----------------------------------|------------|-------------|
| INV-00006952                   | Planning General Application Fee | \$200.00   | \$0.00      |
| Total for Invoice INV-00006952 |                                  | \$200.00   | \$0.00      |
| Grand Total for Permit         |                                  | \$200.00   | \$0.00      |

| Workflow Step / Action Name                  | Action Type       | Start Date       | End Date         |
|----------------------------------------------|-------------------|------------------|------------------|
| <a href="#">Review v.1</a>                   |                   | 03/04/2024 15:09 |                  |
| Confirm application complete v.1             | Generic Action    |                  | 03/04/2024 15:12 |
| Conditional Use Review v.1                   | Receive Submittal |                  |                  |
| <a href="#">Planning Board v.1</a>           |                   |                  |                  |
| Planning Board Agenda v.1                    | Task              |                  |                  |
| Invoice for Notices v.1                      | Task              |                  |                  |
| Send Notices v.1                             | Task              |                  |                  |
| Planner Creates Staff Recommendations v.1    | Permit Activity   |                  |                  |
| Distribute Planning Board Materials v.1      | Task              |                  |                  |
| Planning Board Hearing v.1                   | Hold Hearing      |                  |                  |
| Planning Board Decision v.1                  | Permit Activity   |                  |                  |
| NOD Sent to Applicant v.1                    | Create Report     |                  |                  |
| <a href="#">Issue Permit v.1</a>             |                   |                  |                  |
| Verify Fees Prior to Permit v.1              | Generic Action    |                  |                  |
| Issue and Review Permit v.1                  | Generic Action    |                  |                  |
| Print and Email Permit v.1                   | Generic Action    |                  |                  |
| Plans uploaded to Treneo v.1                 | Generic Action    |                  |                  |
| Internal Notification of Plan Completion v.1 | Generic Action    |                  |                  |
| Recording v.1                                | Task              |                  |                  |





February 28, 2024

Ref: 16035.00

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

Re: Conditional Use Permit Application  
Proposed Gas Pipeline Replacement  
Unitil GSGT Pipeline Corridor off Gerrish Road

Dear Members of the Planning Board:

On behalf of Unitil, we are submitting this Conditional Use Permit (CUP) application for the above-named project partially located in the Wetland Protection and Conservation Districts. The project will upgrade Unitil's natural gas transmission system assets within their existing right-of-way (ROW), and includes unavoidable wetland impacts.

### **Introduction**

The project will consist of three parts, all within Unitil's existing ROW:

- Install a replacement section of gas pipe;
- Upgrade the existing ROW with a gravel surface road;
- Construct an above-ground appurtenant station for pipeline inspection equipment.

Figure 1 is a USGS topographic map showing the project location, and Figure 2 is a map of the project location on an aerial photo base map. The attached project plan sets depict (a) the existing conditions (plan set "Topographic Plan for Process Pipeline Services of the Varney Brook Station Gas Line") including wetland boundaries, and (b) the proposed conditions (plan set "Site Plans, Issued for Permitting, January 19, 2024, Unitil Gas Transmission Pipe Replacement...") including limits of the ROW, construction features, erosion/sediment controls, and details.

### **Project Description**

The purpose of the work is to upgrade the gas transmission pipe to current standards, continue to provide and improve safe operation and maintenance access to the pipe and associated equipment, and facilitate periodic internal inspection in compliance with federal requirements for pipeline safety.

Unitil submitted a wetlands permit application (Standard Dredge & Fill, Major Impact) to the New Hampshire Department of Environmental Services (DES) Wetlands Bureau on January 30, 2024. The location for the work is necessary based on the alignment of the existing pipe and the position of assets within Unitil's pipeline network near the existing metering and regulating station. The project will cause 17,015 square feet of unavoidable impacts to palustrine wetlands. No estuarine or tidal wetlands will be affected. The wetlands in the ROW were previously disturbed by the placement of the gas pipe in the 1960s and also by construction of an adjacent sewer main. There are no practicable alternatives for the project because it must be constructed in the location of the existing pipeline and within Unitil's ROW. Unitil avoided wetlands impacts to the extent possible, and minimized necessary impacts. The applicant will provide compensatory impact mitigation in the form of an in lieu fee payment to the New Hampshire Aquatic Resources Mitigation fund.





### **Property Rights**

Unitil owns pipeline easements on four parcels in the project area. Those easements grant Unitil the right, among others, to "...construct, maintain, operate, alter, repair... and replace pipe lines, with fittings, appliances, and appurtenances..." and to "select, change, alter under, upon, over and through lands...". Unitil is identified as the applicant, recognizing that Unitil also owns the pipeline assets and aforementioned rights. We understand from Planning Board records that for past applications by utility easement holders the land (fee) owners have not co-signed the application, so we have followed that precedent.

### **Abutter Notice**

The City of Dover Conditional Use permit application requires the applicant to provide accurate information regarding the owner, applicant, and professional agents representing the project, which we have done (see form). Further, the application requires City of Dover staff to provide abutter information. City of Dover property records identify the Dover Point Cooperative as an owner of parcel M-47-C-0, and also identify owners of the individual mobile homes in Polly Ann Park. Therefore the abutter notice should include both the Cooperative and the individual mobile home owners. We developed a map for the DES Wetlands Permit application that identifies parcel owners and abutters, including the mobile home owners. That map is attached for your reference.

### **Previous CUP Application 2022**

Unitil filed an application for CUP in 2022 for the appurtenant station construction. That application was heard by the City of Dover Technical Review Committee (TRC) on May 12, 2022, by the Conservation Commission on June 13, 2022, and by the Planning Board on September 13, 2022, who voted to approve the application. On November 7, 2022 the City of Dover vacated the September 13, 2022 decision on the CUP based on lack of required abutter notices preceding that decision. The matter was remanded to the Planning Board for further proceedings. Since that time, Unitil has made the changes described herein to complete related improvements. We therefore request to withdraw the 2022 application.

### **Closing**

Please review these materials and let us know if you need any additional information. We appreciate you scheduling this matter for Technical Review Committee, Conservation Commission, and Planning Board meetings, and request the board issue a CUP for the project as proposed. Thank you.

Sincerely,

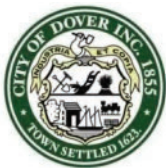
VHB

A handwritten signature in black ink, appearing to read "Stephen G. Herzog".

Stephen G. Herzog, PWS, CERP  
Senior Project Manager

cc: Unitil  
Attachments





# City of Dover, New Hampshire CONDITIONAL USE PERMIT APPLICATION

[Revision Date: October 19, 2020]

|                 |              |       |                |       |
|-----------------|--------------|-------|----------------|-------|
| Office Use Only | Project #:   | _____ | Date Received: | _____ |
|                 | Amount Paid: | _____ | Time Received: | _____ |

## APPLICANT AND OWNER INFORMATION

Name of Applicant: Unitil Granite State Gas Transmission Telephone # 603-294-5191

Address of Applicant: 325 West Road, Portsmouth NH 03801

E-Mail Address: barham@unitil.com

Name of Property Owner (if different from applicant): Unitil easements, see below

Address of Property Owner: (Easement holder) Unitil, 325 West Road, Portsmouth NH 03801

## PROPERTY INFORMATION

Assessor's Map #      M-52-800000, 17 Ivans Lane, Conway Family Revocable Trust  
                                 M-47-C00000, 0 Gerrish Road, Dover Point Cooperative, Inc.  
                                 M-47-B00000, 87A Gerrish Road, City of Dover  
Address of Property:    M-46-000000, 89 Gerrish Road, State of New Hampshire

Zoning District(s) R-12 Overlay District(s) Wetland Protection, Conservation

Existing Use of Property: Interstate natural gas transmission pipeline corridor

## CONDITIONAL USE PERMIT INFORMATION

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

- |                                                                 |                                                         |                                                        |
|-----------------------------------------------------------------|---------------------------------------------------------|--------------------------------------------------------|
| <input checked="" type="checkbox"/> Conservation District       | <input type="checkbox"/> RCM Use Overlay District       | <input type="checkbox"/> Gateway District              |
| <input type="checkbox"/> Groundwater Protection                 | <input type="checkbox"/> Off-Street Parking and Loading | <input type="checkbox"/> Alternative Treatment Center  |
| <input checked="" type="checkbox"/> Wetland Protection District | <input type="checkbox"/> Central Business District      | <input type="checkbox"/> Heritage Residential District |

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

Within the existing ROW Unitil will (1) install a replacement section of gas pipe, (2) replace the  
existing access road with a gravel surface, and (3) construct an above-ground station to contain pipeline  
inpection equipment. The project will cause 17,015 square feet of impact to palustrine wetlands.



List Any Associated State or Federal Permits That Have Been or Will Be Applied For and Indicate Their Status: A NH DES Standard Dredge & Fill Wetlands Permit application was submitted on Jan 30, 2024 and is in review. The application was sent to the US Army Corps of Engineers as a Pre-Construction Notification. Unitil submitted a Utility Statutory Permit by Notification for tree work and a Shoreland permit for work outside the 100-foot tidal buffer zone but within the 250-foot shoreland zone.

Name of Professional That Prepared Plans: Eric Gerade, PE

Address VHB, 2 Bedford Farms Drive, Suite 200, Bedford, NH 03110 Telephone #: 603.391.3900

Professional License #: 13672 E-mail address: egerade@vhb.com

### **SIGNATURES**

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

Signature of Property Owner: \_\_\_\_\_ Date: \_\_\_\_\_

Signature of Applicant (if different from owner):  Date: 23 FEB 2024

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: please see cover letter Date: \_\_\_\_\_





May 6, 2024

Ref: 16035.00

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

Re: Response to Comments  
Conditional Use Permit Application COND-2024-0004  
Proposed Gas Pipeline Replacement  
Unitil GSGT Pipeline Corridor off Gerrish Road

Dear Members of the Planning Board:

On behalf of Unitil, we are providing these responses to comments received at the Technical Review Committee (TRC) meeting held April 11, 2024 regarding a Conditional Use Permit (CUP) application for the above-named project. As stated on the application, the project will take place within Unitil's existing interstate gas transmission corridor, which intersects both the Dover Conservation District and Wetlands Protection District. The existing ROW, and therefore the project, crosses freshwater wetlands and land within 100 feet of tidally-influenced Varney Brook.

### Planning Comments

**Comment 1.** *Clearly identify the 100' Conservation District buffer (potentially in another color).*

**Response 1.** The 100' Conservation District buffer has been identified on the project plans.

**Comment 2.** *Include local language for buffer and wetland impacts (ex. previously tidal developed buffer zone is used for state permitting).*

**Response 2.** The plan set shows the 100-foot Conservation District, the Wetlands Protection District (delineated wetlands), and the 50-foot wetland buffer.

**Comment 3.** *Expand on CUP criteria in narrative; avoidance and minimization.*

**Response 3.** The following text provides the requested information.

As defined in the Zoning Ordinance of the City of Dover NH (Zoning Ordinance), the Conservation District consists of those areas within 100 feet of the reference line of any water body, river, stream, swamp, or marsh subject to tidal action, those areas within 100 feet of any freshwater river or natural pond, those areas within 50 feet of the reference line of any stream, brook, or other freshwater body. The Conservation District in the project area is shown as a line 100 feet from the reference line of Varney Brook, which is the highest observable tide line as also shown on the plans.





As defined in the Zoning Ordinance, the Wetlands Protection District consists of all areas of wetlands in the city. Wetlands on the site were delineated and flagged in the field by Marc Jacobs, NH-Certified Wetland Scientist, on the basis of hydrophytic vegetation, hydric soils, and wetlands hydrology, in accordance with the techniques outlined in the Corps of Engineers Wetlands Delineation Manual, Technical Report Y-87-1 (January 1987). Wetlands boundaries and wetland flag numbers are shown in green on the plans. Areas of proposed wetland impact are shown in blue cross-hatch pattern.

#### Conditional Use Permit Criteria – Conservation District

The Zoning Ordinance provides that a CUP may be granted in the Conservation District for utility rights-of-way if so located and constructed as to minimize any detrimental impact of such uses upon the wetlands or other environmentally sensitive areas, where it is physically impossible to locate such ways over land not so zoned.

- (a) The interstate natural gas transmission pipeline was constructed in its present location in the 1960s, and it is physically impossible to locate the project elsewhere, over land not zoned as Conservation District or Wetlands Protection District.
- (b) An erosion and sedimentation control plan is provided in the project design drawing set. Erosion controls proposed include a dewatering system that will provide dry working space and discharge water to a filter bag within staked straw bales in uplands, erosion control blankets on disturbed slopes, temporary sediment traps, a stabilized construction exit, and a double perimeter erosion control barrier.
- (c) Unutil has submitted a Wetlands Standard Dredge and Fill permit application for state-regulated wetland impacts, and a Shoreland Permit by Notification for work outside wetlands but within shoreland jurisdiction.

#### Conditional Use Permit Criteria – Wetlands Protection District

The Zoning Ordinance provides that a CUP may be granted in the Wetlands Protection District for utility rights-of-way provided that construction complies with the following standards.

- (a) Practicable Alternative: If there is no practicable alternative that would have a less adverse impact on the area because the project is constrained by the existing right of way.
- (b) Avoidance: potential impacts have been avoided to the maximum extent practicable. The following impact avoidance measures are proposed. Work avoids impact to the tidal marsh surrounding Varney Brook (only freshwater wetlands will be affected). The project maintains hydrologic connections between adjacent wetlands. The project minimizes impacts to floodplain wetlands by maintaining existing grades to the extent practicable and providing hydrologic connection. The project does not impact stream channels.
- (c) Minimization: Any unavoidable impacts have been minimized. No reasonable alternative to the proposed construction exists which does not impact a wetland or which has less detrimental impact on the wetland. Design, construction, and maintenance methods have been prepared by a registered engineer to minimize detrimental impacts to wetlands. The following minimization measures are proposed. No grubbing, grading, excavating, or filling will be done outside the utility access road, embankments, and station. The access road alignment has been designed to minimize impact by avoiding wetlands where possible, and crossing wetlands at the narrowest locations on the ROW. Culverts will maintain hydrologic connectivity and convey stormwater where the access road will cross wetlands. No grading or other changes are





proposed outside the access road and station. Erosion controls will be used to prevent the movement of sediment away from the work areas. An erosion and sedimentation control plan is provided in the design drawing set. The erosion controls are described in the preceding paragraph.

- (d) Mitigation: The applicant is required by state rules to prepare a compensatory impact mitigation plan. The applicant has proposed an in-lieu fee payment to the New Hampshire Aquatic Resources Mitigation Fund. A copy of the relevant section of the state permit application, the New Hampshire Department of Environmental Services Standard Dredge and Fill permit application, is attached to this letter.
- (e) Wetlands Bureau: state wetlands and shoreland permit applications have been submitted and are in review.
- (f) Wetland functions and values: A New Hampshire Certified Wetland Scientist conducted a field assessment of wetland functions and values according to the U.S. Army Corps of Engineers Methodology, which contains most of the same functions and values denoted in the NH Method. All six wetland impact areas at the project site exhibit several of the same functions and values. All the wetland impact areas exhibit the functions of groundwater recharge/discharge and flood storage. Wetlands 1, 3, and 5 also contain wildlife habitat, although not necessarily wetland-dependent wildlife habitat. Wetlands 1, 5, and 6 also exhibit the functions of sediment trapping and nutrient transformation.

In accordance with the Zoning Ordinance section 170.27.1(B), it is the intent of the Wetland Protection District to [170.27.1(B)(2)] "Prevent the destruction of, or significant changes to, wetlands which provide flood protection, recharge the groundwater supply and augment stream flow during dry periods and filtration of water flowing into ponds and streams." The project was designed to accommodate the flood protection and groundwater recharge functions of the wetlands that intersect the project by maintaining hydrologic connectivity and by the impact minimization and erosion controls proposed, and to minimize impacts to all other wetland functions and values, as described above under Avoidance and Minimization.

## Engineering and Other Comments

**Comment 4.** *The gravel driveway from the City's Pump Station appears to be too close to the sewer force main pipes coming out of the ground. Move the driveway to the north to provide more separation.*

**Response 4.** The location of the gravel driveway was previously coordinated and approved by the City of Dover. The driveway avoids existing sewer infrastructure and existing trees to be preserved.

**Comment 5.** *Erosion control is running through City piping infrastructure.*

**Response 5** The erosion control measure that we are proposing are surface erosion control measures. These will not interfere with piping infrastructure.

All remaining comments were directly addressed at the Technical Review Committee Meeting or have been addressed on the revised site plans accompanying this letter.



City of Dover Planning Board  
Ref: 16035.00  
May 6, 2024  
Page 4



As indicated in the Technical Review Committee minutes, this application and plan set is being resubmitted for Conservation Commission review and Planning Board review.

Sincerely,

VHB

A handwritten signature in black ink, appearing to read "Stephen G. Herzog". The signature is fluid and cursive, with the first name "Stephen" and last name "Herzog" clearly legible.

Stephen G. Herzog, PWS, CERP  
Senior Project Manager

cc: Unitil  
Attachments



## CITY OF DOVER CONDITIONAL USE LIST OF ABUTTERS

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

**Owner:**

| <b>TAX MAP</b> | <b>LOT #</b> | <b>PROPERTY OWNER</b>         | <b><u>MAILING ADDRESS</u></b>                          |
|----------------|--------------|-------------------------------|--------------------------------------------------------|
| M-4            | M-52-8-0     | Conway Family Revocable Trust | 17 Ivans Lane, Dover NH 03820                          |
| M-4            | M-47-C-0     | Dover Point Cooperative, Inc. | 44 Polly Ann Park, Dover NH 03820                      |
| M-4            | M-47-B-0     | City of Dover                 | 288 Central Ave, Dover NH 03820                        |
| M-4            | M-46-0-0     | State of New Hampshire        | John. O. Morton Bldg, 7 Hazen Dr.,<br>Concord NH 03301 |

**Applicant (if different from owner):**

| <b>APPLICANT NAME</b>    | <b>APPLICANT COMPANY</b> | <b><u>MAILING ADDRESS</u></b>    |
|--------------------------|--------------------------|----------------------------------|
| Unitil Granite State Gas | Transmission             | 325 West Rd, Portsmouth NH 03801 |

**Surveyor and/or Engineer/Professional Agent:**

| <b>NAME</b>      | <b>COMPANY</b>     | <b><u>MAILING ADDRESS</u></b>           |
|------------------|--------------------|-----------------------------------------|
| Eric Gerade, PE  | VHB                | 200 Bedford Farms Dr., Bedford NH 03110 |
| John Kaiser, PLS | Doucet Survey, LLC | 102 Kent Place, Newmarket NH 03857      |
|                  |                    |                                         |

**Conservation Easement Holder:**

| <b>TAX MAP</b> | <b>LOT #</b> | <b>NAME OF EASEMENT HOLDER</b> | <b><u>MAILING ADDRESS</u></b> |
|----------------|--------------|--------------------------------|-------------------------------|
|                |              |                                |                               |



# PLANNING BOARD FEE SCHEDULE/INVOICE

(Revised July 24, 2023)

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

## A. Plan Review Fees

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

- ☐ SUBDIVISION Application fee \$200.00 + \$150.00 x # \_\_\_\_\_ new lots created = \$ \_\_\_\_\_
- ☐ LOT LINE ADJUSTMENT Application fee \$200.00 + \$100.00 X # \_\_\_\_\_ of lots involved = \$ \_\_\_\_\_
- ☐ TRANSFER OF DEVELOPMENT RIGHTS Application fee \$200.00 = \$ \_\_\_\_\_
- ☐ SITE REVIEW – RESIDENTIAL Application fee \$200.00+ \$100.00 x # \_\_\_\_\_ per dwelling unit = \$ \_\_\_\_\_
- ☐ SITE REVIEW – NON-RESIDENTIAL Application fee \$200.00 + (not to exceed \$10,000)
  - ☐ New construction \$.15 sq. ft. x # \_\_\_\_\_ sq. ft. = \$ \_\_\_\_\_
  - ☐ Additions (new floor space) \$.10 per sq. ft. x # \_\_\_\_\_ sq. ft. = \$ \_\_\_\_\_
- ☐ MOTEL/HOTEL \$35.00 x # \_\_\_\_\_ per lodging unit = \$ \_\_\_\_\_
- ☐ CHANGE OF USE Application fee \$200.00 + (not to exceed \$5,000)
  - ☐ Existing floor spaces \$.10 per sq. ft. x # \_\_\_\_\_ sq. ft. = \$ \_\_\_\_\_
- ☒ CONDITIONAL USE PERMIT Application fee \$200.00 x # 1 per Application = \$ 200.00
- ☐ GRAVEL PIT/ EXCAVATIONS
  - ☐ Application fee \$50.00 = \$ \_\_\_\_\_
  - ☐ Permit fee \$75.00 = \$ \_\_\_\_\_
- ☐ EXTENSIONS/AMENDMENTS/WAIVERS FOR AN APPROVED PLAN Application fee \$200.00 = \$ \_\_\_\_\_
- ☐ REQUEST FOR REZONING Application fee \$200.00 = \$ \_\_\_\_\_
- ☐ DRIVEWAY WAIVER Application fee \$200.00 = \$ \_\_\_\_\_
- ☐ **TOTAL IMPERVIOUS PAVED AREA** (for new development, roadways or additions to existing parking lots, (not to exceed \$10,000)) Application fee of \$200.00 is N/A if it is part of a Site Review or Subdivision Plan. \$200.00 + \$.07 per sq. ft. x # \_\_\_\_\_ sq. ft. = \$ \_\_\_\_\_

**SUBTOTAL PLAN REVIEW FEE = \$ 200.00**

**AND**

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

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

**C. Foster's newspaper public notice fee \$120.00 x # \_\_\_\_\_ applications = \$ \_\_\_\_\_**

**SUBTOTAL = \$ \_\_\_\_\_**

**TOTAL INVOICE AMOUNT = \$ \_\_\_\_\_**

**PLAN REVIEW FEE COLLECTED/PAID = \$ \_\_\_\_\_**

**BALANCE DUE = \$ \_\_\_\_\_**

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



## 6.2. Compensatory Impact Mitigation – In Lieu Fee

In accordance with Env-Wt 313.04, compensatory mitigation is required for the proposed permanent impacts to a PRA, which for this project total 17,015 square feet. The plan and report required for an impact mitigation proposal consists of this section and related information in this application package, including in Appendix L. The NHDES-W-06-045 worksheet is not provided because the applicant proposes in-lieu fee payment to the Aquatic Resources Mitigation fund.

The applicant considered permittee-responsible impact mitigation and determined that on-site impact mitigation through the restoration, enhancement, or creation of wetlands on the property, as applicable and as specified in Env-Wt 803.01(i) is not practicable due to the geographic constraints of Unitil's pipeline corridor. The corridor is a linear easement on one side of a valley containing Varney Brook. The Dover Conservation Commission does not have a list of local mitigation projects. Preservation of an aquatic resource buffer as specified in Env-Wt 803.01(h) is also not practicable due to the geographic constraints of the gas pipeline corridor. In accordance with RSA 482-A:28-A:30 Unitil is able to provide an in-lieu impact mitigation payment. A compensatory impact mitigation pre-application meeting was held on October 5, 2023. At that meeting DES agreed that permittee-responsible on-site impact mitigation was not feasible as specified in Env-Wt 801.03, and that Unitil would provide an in-lieu fee payment to the Aquatic Resources Mitigation fund. Following is the compensatory mitigation proposal.

The applicant is proposing an in-lieu fee payment and therefore provides the following information required by Env-Wt 803 and a preliminary estimate of the in-lieu mitigation payment.

### Env-Wt 803.01 Plan and Report Required for All Mitigation Proposals

This section was prepared by qualified professional Stephen Herzog, PWS and certified wetland scientist Jake Tinus, CWS.

(a) Identifies the size of the proposed project's impact to each jurisdictional area.

The size of the proposed project's impact to jurisdictional areas is provided in Table 1 above and in the figures and project plan sheets. The total area of proposed impact is 17,015 SF to primarily PEM1E wetlands.

(b) Identifies each type of jurisdictional area to be impacted, with wetlands being classified by a certified wetland scientist using the federal classification method.

USFWS wetland classifications (Cowardin system) are listed in Table 1 and noted on the plans.

(c) Explains which mitigation option is being proposed.

The applicant proposes payment to the ARM fund.

(d) If other than payment to the ARM fund is proposed, shows the location of the mitigation site.

Not applicable.

(e) Includes a functional assessment of the impacted jurisdictional area(s).

A functional assessment of the impacted jurisdictional areas is attached in Appendix I.



(f) Includes a functional assessment of the proposed mitigation site.

Not applicable.

(g) Provides a date when a complete mitigation proposal will be submitted to the department.

Payment to ARM fund upon permit issuance, expected April 1, 2024.

(h) If an aquatic resource buffer preservation project is proposed: (1) Documents the current conditions; (2) Identifies any existing encumbrances or restrictions on the property; (3) Summarizes the conservation goals in accordance with Env-Wt 804; and (4) Contains a baseline documentation report in accordance with Env-Wt 808.15;

Not applicable.

(i) If wetland restoration or creation is proposed:

(1) Identifies the predominant functions to be created, restored, or replaced; and (2) Summarizes the proposed measures of the proposed project in accordance with Env-Wt 803.02(b), Env-Wt 803.03, and Env-Wt 803.04;

Not applicable.

(j) If stream restoration or enhancement is proposed, identifies the predominant functions to be restored or enhanced in accordance with Env-Wt 806;

Not applicable.

(k) Includes a detailed account of the compensatory mitigation recommendations, if any, provided by the conservation commission or governing body, such as a copy of the meeting minutes, from the town in which the project is located;

The Dover Conservation Commission provided no compensatory impact mitigation recommendations. The commission's agent Jackson Kaspari provided a list (see Appendix K) of activities the commission is interested in pursuing. However all items on the list are (a) not located in the same watershed as the project, and (b) do not correspond to the proposed project impacts to palustrine emergent wetlands or their functions, but consist of upland buffer preservation culvert/water body restoration or enhancement projects. The list was discussed at the impact mitigation pre-application meeting (notes in Appendix B)

(l) For a project having impacts within a designated river corridor as defined by RSA 483:4, XVIII, includes a detailed account of the recommendations, if any, provided by the local river management advisory committee established pursuant to RSA 483:8-a; and

Not applicable.

(m) If permittee-responsible mitigation will be proposed, includes a proposed monitoring plan as described in Env-Wt 803.04.

Not applicable.



Pursuant to Env-Wt 803.05 Proposal for In-Lieu Mitigation Payment, for a project for which compensatory mitigation is proposed as an in-lieu mitigation payment, the following information is also provided.

(a) The information required by Env-Wt 803.02 or Env-Wt 803.03, as applicable based on the type of Impact;

The functional assessment was prepared using the methods specified in the U.S. ACE New England District highway methodology workbook supplement, 1999, reprinted in 2015. Further, data on the surrounding land area including, but not limited to land use, soils, habitat information, listed species, and exemplary natural communities and systems were used in the preparation of the functional assessment, as described in Sections 3.1 and 3.2 above.

A preliminary estimate of the in-lieu mitigation payment determined from the updated NHDES ARM Fund Wetland Payment Calculation Worksheet is contained in Appendix K.



City of Dover Conservation Commission  
Mitigation Priority List

| Priority Level | Project                                                       | NHDES Activity Type        |
|----------------|---------------------------------------------------------------|----------------------------|
| Top            | Purchase, conserve and restore Severino property and sand pit | Upland Buffer Preservation |
| Tier 1         | Creation of living shoreline along Cochecho River             | Restoration                |
| Tier 2         | 6 <sup>th</sup> Street Culvert Replacement                    | Enhancement                |
|                | Reyners Brook Culvert Replacement                             | Enhancement                |
|                | Bellamy Culvert Replacement                                   | Enhancement                |
|                | Tidal Culvert Improvements                                    | Enhancement                |
| Tier 3         | Chapel Street Ravine                                          | Restoration                |
| Tier 4         | HLP BMP                                                       | Enhancement                |
| Tier 5         | Oak, Broadway and Central water management improvements       | Enhancement                |
|                | Connect Chapel St. ravine to Cochecho outfall                 | Enhancement                |
| Tier 6         | Dam removal projects (conceptual at present)                  | Restoration                |



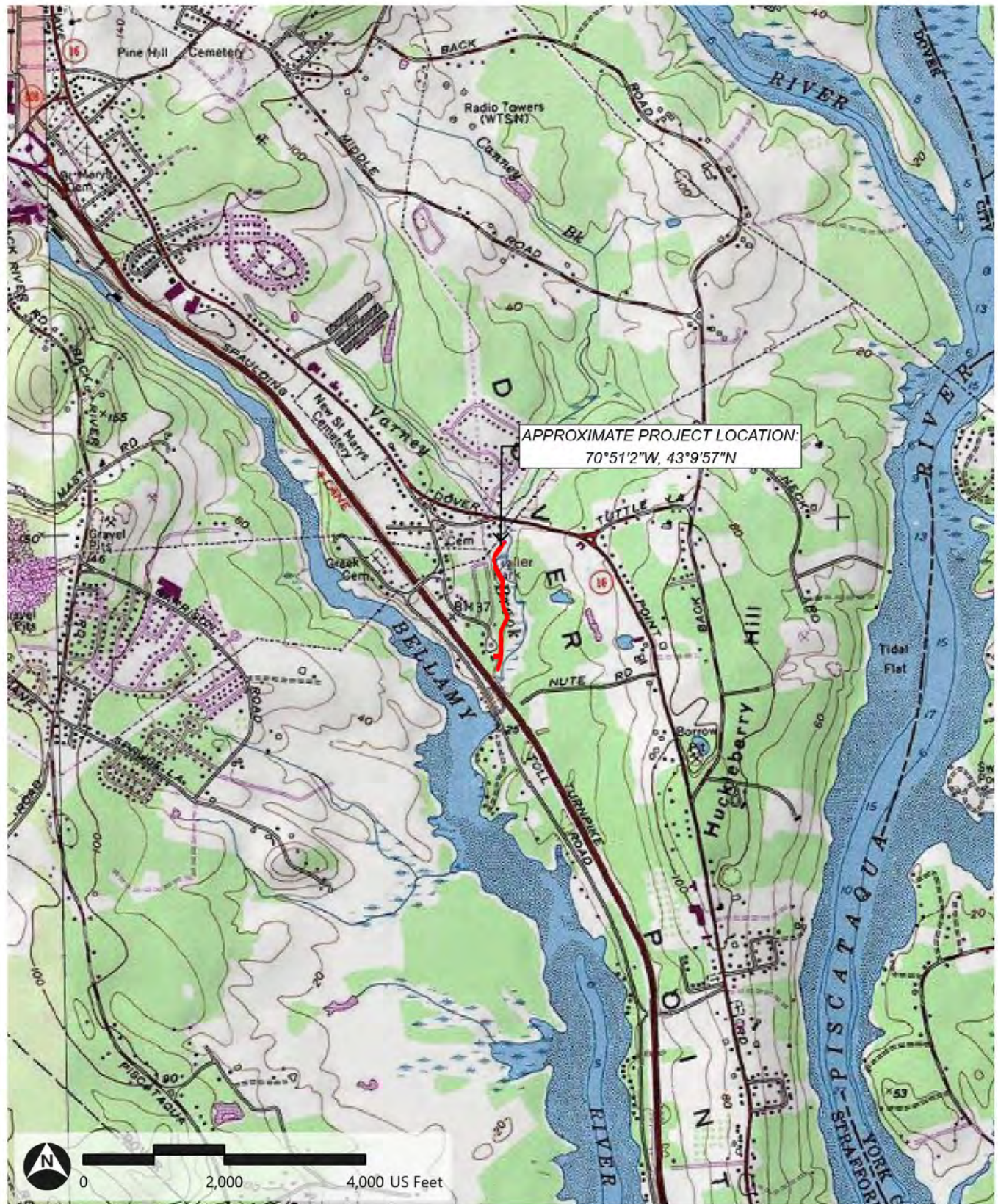
**NHDES AQUATIC RESOURCE MITIGATION FUND  
WETLAND PAYMENT CALCULATION  
\*\*\*INSERT AMOUNTS IN YELLOW CELLS\*\*\***

|                                                                                                                           |                         |              |  |
|---------------------------------------------------------------------------------------------------------------------------|-------------------------|--------------|--|
| <b>1 Convert square feet of impact to acres:</b>                                                                          |                         |              |  |
| <b>INSERT SQ FT OF IMPACT</b>                                                                                             | Square feet of impact = | 17015.00     |  |
|                                                                                                                           |                         | 43560.00     |  |
|                                                                                                                           | Acres of impact =       | 0.3906       |  |
|                                                                                                                           |                         |              |  |
| <b>2 Determine acreage of wetland construction:</b>                                                                       |                         |              |  |
|                                                                                                                           | Forested wetlands:      | 0.5859       |  |
|                                                                                                                           | Tidal wetlands:         | 1.1718       |  |
|                                                                                                                           | All other areas:        | 0.5859       |  |
|                                                                                                                           |                         |              |  |
| <b>3 Wetland construction cost:</b>                                                                                       |                         |              |  |
|                                                                                                                           | Forested wetlands:      | \$63,511.42  |  |
|                                                                                                                           |                         |              |  |
|                                                                                                                           | Tidal Wetlands:         | \$127,022.83 |  |
|                                                                                                                           | All other areas:        | \$63,511.42  |  |
|                                                                                                                           |                         |              |  |
| <b>4 Land acquisition cost (See land value table):</b>                                                                    |                         |              |  |
| <b>INSERT LAND VALUE<br/>FROM TABLE WHICH<br/>APPEARS TO THE LEFT.<br/>(Insert the amount do not<br/>copy and paste.)</b> | Town land value:        | 67802        |  |
|                                                                                                                           | Forested wetlands:      | \$39,726.28  |  |
|                                                                                                                           | Tidal wetlands:         | \$79,452.55  |  |
|                                                                                                                           | All other areas:        | \$39,726.28  |  |
|                                                                                                                           |                         |              |  |
| <b>5 Construction + land costs:</b>                                                                                       |                         |              |  |
|                                                                                                                           | Forested wetland:       | \$103,237.69 |  |
|                                                                                                                           | Tidal wetlands:         | \$206,475.38 |  |
|                                                                                                                           | All other areas:        | \$103,237.69 |  |
|                                                                                                                           |                         |              |  |
| <b>6 NHDES Administrative cost:</b>                                                                                       |                         |              |  |
|                                                                                                                           | Forested wetlands:      | \$20,647.54  |  |
|                                                                                                                           | Tidal wetlands:         | \$41,295.08  |  |
|                                                                                                                           | All other areas:        | \$20,647.54  |  |
|                                                                                                                           |                         |              |  |
| <b>***** TOTAL ARM PAYMENT*****</b>                                                                                       |                         |              |  |
|                                                                                                                           | Forested wetlands:      | \$123,885.23 |  |
|                                                                                                                           |                         |              |  |
|                                                                                                                           | Tidal wetlands:         | \$247,770.46 |  |
|                                                                                                                           | All other areas:        | \$123,885.23 |  |



**Figure 1: USGS Site Location**

Unitil | Gerrish Road, Dover, NH



— Project Area

Path: \\vhb\gis\proj\Worcester\16035\00 Gerrish Rd Dover NH\Project\Unitil Gerrish Rd\Unitil Gerrish Rd.aprx (srao, 9/25/2023)



**Figure 2: Aerial Imagery**  
Unitil | Gerrish Road, Dover, NH



Path: \\vhb\gis\proj\Worcester\16035.00 Gerrish Rd Dover NH\Project\Unitil Gerrish Rd\Unitil Gerrish Rd.aprx (srao, 9/25/2023)

- Project Area
- Parcel Boundary



# RIGHT OF WAY AGREEMENT

Know All Men By These Presents: That the undersigned Russell M. Scott, and Eleanor J. Scott, both

of Dover, County of Strafford and State of New Hampshire  
(hereinafter called GRANTOR, whether one or more), for and in consideration of Two hundred seventy five (\$275.00) no/100 Dollars  
in hand paid, receipt of which is hereby acknowledged, does hereby give, grant, bargain, sell and confirm unto GRANITE STATE GAS TRANSMISSION, INC., a New Hampshire Corporation duly organized by law with a usual place of business in Portsmouth, in the County of Rockingham and The State of New Hampshire (hereinafter called GRANTEE), and its successors and assigns, the right, privilege and authority to lay, relay, construct, maintain, operate, alter, repair, remove, relocate, change the size of and replace pipe lines (with fittings, appliances, and appurtenances, including cathodic protection equipment) for the transportation of oil, gas, petroleum products or any other liquids, gases or substances which can be transported through pipe lines by a route or routes which the Grantee shall have the right to select, change and alter under, upon, over and through lands which the Grantor owns or in which the Grantor has an interest, situated in the Town City of Dover  
County of Strafford and The State of New Hampshire, bounded and described as follows:  
Northerly by land of William O. and Marion T. Gillis; Easterly by Varney Brook, also known as Little John Creek; Southerly by land of the State of New Hampshire and the relocated Cushing Road; and Westerly by land of the State of New Hampshire, land of one Vigue and land of said Gillis.



being the same lands described in instrument(s) dated June 27, 1956, recorded in the Registry of Deeds for the County of Strafford in Book 662, Page 321

It is agreed that the Grantee, its successors and assigns shall have an easement for all the purposes herein described under, upon, over and through a strip of land 35 feet in width and said strip of land shall extend 25 feet Easterly and 10 feet Westerly and along the entire length of a survey line as shown on a Plan of Pipe Line prepared by John W. Durgin, Civil Engineers, Portsmouth, New Hampshire, for a pipe line location from Plaistow to Exeter to Portsmouth, New Hampshire, and/or a Plan of Pipe Line prepared by George C. Benjamin, Civil Engineer, Manchester, New Hampshire, for a pipe line location from Portsmouth to Dover to Somersworth, New Hampshire, dated \_\_\_\_\_, Sheet No. \_\_\_\_\_, and recorded in \_\_\_\_\_ Records, Plat \_\_\_\_\_, Page \_\_\_\_\_

The phrase "survey line" as hereinabove referred to and as shown on the aforesaid Plan does not necessarily mean the location of the pipe line in the easement and it is understood that the pipe line or pipe lines may be located or relocated anywhere within the aforesaid 35 foot easement.

The Grantee shall have all other rights and benefits necessary or convenient for the full enjoyment or use of the rights herein granted, including the free right of ingress and egress to and from said pipe lines.

TO HAVE AND TO HOLD the said easement, rights, privileges and authority, unto the Grantee, its successors and assigns, until the first pipe line is constructed and so long thereafter as a pipe line is maintained thereon.

The Grantor reserves, subject to the rights, privileges and authority herein granted and confirmed, the right to use the said premises for planting and cultivation of crops, as a means of access, ingress and egress to and from the land adjoining, to build cross fences, to maintain and use roads, driveways, sewers, drains, waterlines, gas lines, telephone and telegraph lines and electric light and power lines across said easement, subject, however, to the conditions that no building or other structure shall be erected on said easement by the Grantor, and further provided that the rights reserved to the Grantor shall not be used or exercised in any manner which will interfere with the rights, privileges and authority herein granted and confirmed to the Grantee and further provided, however, that the Grantee shall have the right from time to time to cut and remove and keep removed by such means as the Grantee may select all trees, undergrowth and all other obstructions that may injure, endanger or interfere with the laying, relaying, constructing, maintaining, operating, altering, repairing, removing, relocating, changing the size of and replacing said pipe lines or fittings and appliances appurtenant to said lines.

It is agreed that this agreement as written covers all the agreements between the parties and that no representations or statements, verbal or written, have been made, modifying, adding to, or changing the terms of this agreement.

The word "Grantor" as herein used shall refer to and mean the Grantor, its, his, her or their heirs, executors, administrators, successors or assigns, and the word "Grantee" shall refer to and mean the Grantee, its successors or assigns.

We, Russell M. Scott and Eleanor J. Scott, husband and wife, and each of us,  
in consideration aforesaid do hereby relinquish ~~our~~ right of dower, curtesy and homestead in the before mentioned premises.

And we and each of us do hereby release all rights of homestead secured to us or either of us by Chapter 260 of the Revised Laws of New Hampshire or by any other Statute of said State.

Witness our hands and seals to this conveyance this 18 June day of \_\_\_\_\_, 1956.

SIGNED, SEALED AND DELIVERED

IN THE PRESENCE OF:

George C. Bingham  
Notary Public

Eleanor J. Scott  
Russell M. Scott

(L.S.)

EXHIBIT A



# ACKNOWLEDGMENT

THE STATE OF NEW HAMPSHIRE }  
County of Strafford } ss:

On this the 16 day of June, 1956, before me George C. Dwyer  
the undersigned officer, personally appeared Russell M. and Eleanor J. Scott known to me or satisfactorily proven to be the  
person(s) whose name(s) \_\_\_\_\_ ~~XX~~ (are) subscribed to the within instrument and acknowledged that ~~XX~~  
(they) voluntarily executed the same for the purposes therein contained.

IN WITNESS WHEREOF I hereunto set my hand and seal.

George C. Dwyer  
Justice of the Peace  
Notary Public

# CORPORATE ACKNOWLEDGMENT

THE STATE OF NEW HAMPSHIRE }  
County of \_\_\_\_\_ } ss:

On this the \_\_\_\_\_ day of \_\_\_\_\_, 19\_\_\_\_, before me \_\_\_\_\_  
the undersigned officer, personally appeared \_\_\_\_\_ who acknowledged himself to be the  
\_\_\_\_\_ of \_\_\_\_\_, a corporation; that he as such  
being authorized so to do, voluntarily executed the foregoing instrument for the purposes therein contained  
by signing the name of the corporation by himself as \_\_\_\_\_

IN WITNESS WHEREOF I hereunto set my hand and seal.

\_\_\_\_\_  
Justice of the Peace  
Notary Public

*Question & Eleanor J. Scott*  
*to*  
*State of New Hampshire, June 14, 1956*

*3:50 P.M. Sept 14, 1956*  
*Register*

*Return to*  
*Bureau, 1000-1001, 11. H.*

RECEIVED 3:50 P. M. Sept. 14, 1956

EXAMINED BY: Erma Morin Dubois Registrar



# RIGHT OF WAY AGREEMENT

Know All Men By These Presents: That the undersigned William O. Gillis and Marion T. Gillis,  
both

of Dover, County of Strafford and State of New Hampshire,

(hereinafter called GRANTOR, whether one or more), for and in consideration of

fully and no \$100 (\$0.00) Dollars  
in hand paid receipt of which is hereby acknowledged, does hereby give, grant, bargain, sell and confirm unto GRANITE STATE GAS TRANSMISSION, INC., a New Hampshire Corporation duly organized by law with a usual place of business in Portsmouth, in the County of Rockingham and The State of New Hampshire (hereinafter called GRANTEE), and its successors and assigns, the right, privilege and authority to lay, relay, construct, maintain, operate, alter, repair, remove, relocate, change the size of and replace pipe lines (with fittings, appliances, and appurtenances, including cathodic protection equipment) for the transportation of oil, gas, petroleum products or any other liquids, gases or substances which can be transported through pipe lines by a route or routes which the Grantee shall have the right to select, change and alter under, upon, over and through

lands which the Grantor owns or in which the Grantor has an interest, situated in the ~~Town~~ City of Dover

County of Strafford and The State of New Hampshire, bounded and described as follows.

Northerly in part by the Old Dover Point Road and land of George E. and Deborah M. Fleming;  
Easterly by Varney Brook, also known as Little John Creek; Southerly by land conveyed by the  
grantors herein to Russell M. and Eleanor J. Scott; and Westerly by land of one Ganney and  
others.

A portion of  
Being the same lands described in instrument(s) dated May 8, 1943, recorded in the Registry of Deeds for the County of  
Strafford in Book 515 Page 116

It is agreed that the Grantee, its successors and assigns shall have an easement for all the purposes herein described under, upon, over and through a strip of land 35 feet in width and said strip of land shall extend 25 feet Easterly and 10 feet Westerly and along the entire length of a survey line as shown on a Plan of Pipe Line prepared by John W. Durgin, Civil Engineers, Portsmouth, New Hampshire, for a pipe line location from Plainstown to Exeter in Portsmouth, New Hampshire, and/or a Plan of Pipe Line prepared by George C. Benjamin, Civil Engineer, Manchester, New Hampshire, for a pipe line location from Portsmouth to Dover to Somersworth, New Hampshire, dated

195... Sheet No. ... and recorded in ... Records, Plat ... Page ...

The phrase "survey line" as hereinabove referred to and as shown on the aforesaid Plan does not necessarily mean the location of the pipe line in the easement and it is understood that the pipe line or pipe lines may be located or relocated anywhere within the aforesaid 35 foot easement.

The Grantee shall have all other rights and benefits necessary or convenient for the full enjoyment or use of the rights herein granted, including the free right of ingress and egress to and from said pipe lines.

TO HAVE AND TO HOLD the said easement, rights, privileges and authority, unto the Grantee, its successors and assigns, until the first pipe line is constructed and so long thereafter as a pipe line is maintained thereon.

The Grantor reserves, subject to the rights, privileges and authority herein granted and confirmed, the right to use the said premises for planting and cultivation of crops, as a means of access, ingress and egress to and from the land adjoining, to build cross fences, to maintain and use roads, driveways, sewers, drains, waterlines, gas lines, telephone and telegraph lines and electric light and power lines across said easement, subject, however, to the conditions that no building or other structure shall be erected on said easement by the Grantor, and further provided that the rights reserved to the Grantor shall not be used or exercised in any manner which will interfere with the rights, privileges and authority herein granted and confirmed to the Grantee and further provided, however, that the Grantee shall have the right from time to time to cut and remove and keep removed by such means as the Grantee may select all trees, undergrowth and all other obstructions that may injure, endanger or interfere with the laying, relaying, constructing, maintaining, operating, altering, repairing, removing, relocating, changing the size of and replacing said pipe lines or fittings and appliances appurtenant to said lines.

It is agreed that this agreement as written covers all the agreements between the parties and that no representations or statements, verbal or written, have been made, modifying, adding to, or changing the terms of this agreement.

The word "Grantor" as herein used shall refer to and mean the Grantor, its, his, her or their heirs, executors, administrators, successors or assigns, and the word "Grantee" shall refer to and mean the Grantee, its successors or assigns.

WE, William O. Gillis and Marion T. Gillis, husband and wife, and each of us,  
in consideration aforesaid do hereby relinquish ~~all~~ right of dower/courtesy and homestead in the before mentioned premises.

And we and each of us do hereby release all rights of homestead secured to us or either of us by Chapter 260 of the Revised Laws of New Hampshire or by any other Statute of said State.

Witness our hands and seals to this conveyance this 20 day of July, 1956.

SIGNED, SEALED AND DELIVERED

IN THE PRESENCE OF

Leopold S. Wyman  
for host

William O. Gillis  
Marion T. Gillis

(L.S.)

EXHIBIT B



666  
314

# ACKNOWLEDGMENT

THE STATE OF NEW HAMPSHIRE }  
County of Strafford } ss.:

On this the 3rd day of July, 1956, before me George C. Bynoe  
the undersigned officer, personally appeared William O. and Marion T. Gillis known to me or satisfactorily proven to be the  
person(s) whose name(s) \_\_\_\_\_ X (are) subscribed to the within instrument and acknowledged that they  
~~had~~ voluntarily executed the same for the purposes therein contained.

IN WITNESS WHEREOF I hereunto set my hand and seal.

George C. Bynoe  
Justice of the Peace  
Notary Public

# CORPORATE ACKNOWLEDGMENT

THE STATE OF NEW HAMPSHIRE }  
County of \_\_\_\_\_ } ss.:

On this the \_\_\_\_\_ day of \_\_\_\_\_, 19\_\_\_\_, before me \_\_\_\_\_  
the undersigned officer, personally appeared \_\_\_\_\_ who acknowledged himself to be the,  
\_\_\_\_\_ of \_\_\_\_\_ a corporation; that he as such  
being authorized so to do, voluntarily executed the foregoing instrument for the purposes therein contained  
by signing the name of the corporation by himself as \_\_\_\_\_

IN WITNESS WHEREOF I hereunto set my hand and seal.

Justice of the Peace  
Notary Public

# MORTGAGE RELEASE

Sept. 14, 1952  
August 6, 1946

For value received the Strafford Savings Bank of Dover, New Hampshire, holder  
of a mortgage given by William O. and Marion T. Gillis to it dated February 25, 1955, and  
recorded in Strafford County Registry of Deeds, Book 641, Page 400, release said mortgage  
insofar as it covers the easements and rights granted by the within deed, but not other-  
wise.

# STRAFFORD SAVINGS BANK

By George C. Bynoe  
Its \_\_\_\_\_

William O. Gillis et ux  
to  
Hank & Scott MacNamee, et ux

not  
STRAFFORD COUNTY REGISTRY OF DEEDS  
FILED 9:50 PM Sept 14, 1956  
Dover, N. H.  
Notary

Return to:  
Burns, Colburn & Bunt  
Dover, N. H.

RECEIVED 3:50 P. M. Sept. 14, 1956

EXAMINED BY: George Morin Notary



EXHIBIT D

Doc # 0036857 Aug 7, 2008 11:21 AM  
Book 3669 Page 0048 Page 1 of 1  
Register of Deeds, Strafford County

CONSENT TO PARTIAL ASSIGNMENT OF EASEMENT

KNOW ALL BY THESE PRESENTS, that Franklin G. Torr of 1 Old Littlefield Rd.,  
Dover, N.H., being the owner of real estate subject to an easement granted to Granite  
State Gas Transmission, Inc. ("Granite State"), dated July 3, 1986, and recorded in the  
Strafford, N.H. County Registry of Deeds in Book 666, Page 313 (the "Easement"),  
does hereby CONSENT to the partial assignment of the Easement by Granite State to Northern  
Utilities, Inc. its successors and assigns ("Northern Utilities") for access over the property  
subject to the Easement (the "Easement Area"), in common with Granite State, its successors and  
assigns, for the purpose of using, operating, inspecting, repairing, maintaining, replacing, and/or  
removing pressure regulation and measuring equipment, and related facilities, located in or on  
the Easement Area.

Located in Dover, New Hampshire, off Gernish Road.

EXECUTED this 1 day of July, 2008.

Franklin G. Torr  
Franklin G. Torr

STATE OF NH  
Strafford, SS

July 1, 2008

Then personally appeared the above-named Franklin G. Torr, and acknowledged the  
foregoing instrument to be his free act and deed.

Before me,

TJG  
Notary Public

Printed Name Terri J. Groulx

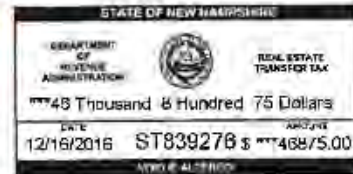
TERRI J. GROULX, Notary Public  
My Commission Expires Dec 21, 2013



\* 300 Kriebel Parkway  
Westboro, MA 01581-5639



EXHIBIT E



### WARRANTY DEED

KNOW ALL BY THESE PRESENTS, that I, **Franklin G. Torr a/k/a Franklin Goodale Torr**, a married person, presently having an address of One Old Littleworth Road, Dover, County of Strafford, State of New Hampshire 03820, grant to **Dover Point Cooperative, Inc.** a New Hampshire consumer cooperative with a mailing address of 44 Polly Ann Homes, Dover, County of Strafford, State of New Hampshire 03820, all my right, title and interest in and to the following with Warranty Covenants:

#### TRACT I:

A certain piece or parcel of land situate in Dover, County of Strafford and State of New Hampshire on the easterly side of Cushing Road (as relocated) bounded and described as follows:

Beginning at a marker on the easterly side of Cushing Road at land of the State of New Hampshire and running North 8° 43' East by said land a distance of 251 feet, more or less, to a concrete bound; thence running North 7° 55' East by land formerly of Vigue a distance of 209.5 feet to a marker; thence running North 1° 58' East by land formerly of said Vigue a distance of 206.4 feet to a marker at land formerly of William O. Gillis and Marian T. Gillis; thence running South 87° 4' East by other land formerly of said Gillis a distance of 428 feet, more or less, to Varney Brook also known as Little John Creek; thence running Southerly and Southwesterly by said Varney Brook to land formerly of the State of New Hampshire; thence running Southwesterly by said land of the State of New Hampshire to a marker at land formerly of one Eyres; thence running Northerly by said Eyres land to the Southerly side of the turn around of said Cushing Road; thence running Easterly and Northerly by said turn around and by the Easterly side of said Cushing Road to the Southwesterly corner of land formerly of one Gray; thence running North 44° 35' East a distance of 100 feet, more or less, by said Gray land to a marker;



thence running North 50° 38' West by said Gray land a distance of 156.8 feet to a marker at the Northerly corner of said land formerly belonging to Gray; thence running South 13° 1' West by said Gray land a distance of 107.6 feet to a marker on the Easterly side of said Cushing Road; thence running Northwesterly by said Cushing Road a distance of 20 feet, more or less, to the point of beginning.

Subject to a 15-foot right of way of the City of Dover for water main along the boundary line of the above described premises adjacent to said Eyres land.

EXCEPTING AND RESERVING from the above described tract a lot conveyed to the City of Dover, New Hampshire, a municipal corporation, by deed dated November 7, 1977 and recorded at the Strafford County Registry of Deeds at Book 1007, Page 182.

FURTHER EXCEPTING AND RESERVING from the above described tract a lot conveyed to the City of Dover, New Hampshire, a municipal corporation, by deed dated December 16,, 2016 and recorded at the Strafford County Registry of Deeds immediately preceding this instrument. Said tract is also shown on a Plan entitled, "Lot Line Adjustment Plan Prepared for the City of Dover and Franklin G. Torr, Tax Map M, Lot 47B & 47C, Gerrish Road, City of Dover, County of Strafford, State of New Hampshire" dated May 25, 2016 and recorded at the Strafford County Registry of Deeds as plan number 112-062.

MEANING AND INTENDING to convey a portion of the premises as conveyed to the within Grantor by deed of Russell M. Scott and Eleanor J. Scott dated August 14, 1958 and recorded in the Strafford County Registry of Deeds at Book 692, Page 129.

FURTHER MEANING AND INTENDING to convey a portion of the same premises as conveyed to the within Grantor by deed of Ralph W. Torr dated January 25, 1973 and recorded in the Strafford County Registry of Deeds at Book 919, Pages 210-213.

#### TRACT II:

A certain piece or parcel of land situate in Dover, County of Strafford and State of New Hampshire, bounded and described as follows:



Beginning at Varney Brook at the Northwest corner of land now or formerly of said Franklin G. Torr and Ralph W. Torr and running Northwesterly by said land a distance of 428 feet, more or less, to a marker at land formerly of Vigue; thence running Northerly by said land formerly of Vigue a distance of 110 feet, more or less, to a marker; thence running Southeasterly by land formerly of William O. Gillis and Marian T. Gillis to a marker at Varney Brook; thence running Southwesterly by said Varney Brook to the point of beginning.

MEANING AND INTENDING to convey the same premises as conveyed to the within Grantor, Franklin G. Torr by deed of William O. Gillis and Marian T. Gillis dated October 4, 1961 and recorded in the Strafford County Registry of Deeds at Book 738, Page 395.

FURTHER MEANING AND INTENDING to convey the same premises as conveyed to the within Grantor by deed of Ralph W. Torr dated January 25, 1973 and recorded in the Strafford County Registry of Deeds at Book 919, Pages 210-213.

### TRACT III:

A certain piece or parcel of land situate off the Easterly side of Cushing Road in Dover, County of Strafford and State of New Hampshire. and more particularly bounded and described as follows:

Beginning at the Northeasterly corner of land formerly of Normand H. Glidden and Maria Glidden and running in an Easterly direction along land now or formerly of Raymond J. Vigue for a distance of 160 feet, more or less, to an iron pin at land of Torr sometimes known as Torr Trailer Park; thence in a Southerly direction along said Torr Trailer Park, so-called, a distance of 495 feet, more or less, to a concrete stake at land now or formerly of the State of New Hampshire; thence running in a Northwesterly direction along land of the State of New Hampshire 252 feet, more or less, to land now or formerly of Galen W. Nightingale; thence running along land formerly of Nightingale in a Northerly direction a distance of 95 feet, more or less, to a point at land formerly of Normand H. Glidden and Maria Glidden, thence continuing in the same direction along said Glidden land a distance of 240 feet, more or less, to the point of beginning.

The last described courses, along land of Nightingale and land of Glidden totaling 335 feet, more or less.



MEANING AND INTENDING to convey the same premises as conveyed to the within Grantor by deed of Normand H. Glidden and Maria Glidden dated April 9, 1962 and recorded in the Strafford County Registry of Deeds at Book 761, Page 172.

FURTHER MEANING AND INTENDING to convey the same premises as conveyed to the within Grantor by deed of Ralph W. Torr dated January 25, 1973 and recorded in the Strafford County Registry of Deeds at Book 919, Pages 210-213.

#### TRACT IV:

A certain piece or parcel of land situate in Dover, County of Strafford and State of New Hampshire on the Southeasterly side of the Old Dover Point Road, bounded and described as follows:

Beginning at a point on the Southeasterly side of said road at the Northeasterly corner of land now or formerly of Henry Gajewski; thence running in a generally Easterly direction by said road to a point at the Northwesterly corner of land now or formerly of Thomas Moreau; thence turning and running in a generally Southerly direction by said Moreau land to the Southwesterly corner of said Moreau; thence turning and running in a generally Easterly direction by land now or formerly of said Moreau and by tracts of land now or formerly of Dion Carabelas, George Fleming to Varney Brook, so-called, thence turning and running in a generally Southerly direction by said Varney Brook to other land of Torr; thence turning and running in a generally Westerly direction by said other land of Torr a distance of 400 feet, more or less, to a point by land formerly of William O. Gillis and Marian T. Gillis; thence turning and running a generally Northerly direction by land formerly of said Gillis a distance of 215 feet, more or less, to a point; thence turning and running in a generally Easterly direction by said Gillis land and by land now or formerly of said Gajewski, a distance of 250 feet, more or less, to the Southeasterly corner of said Gajewski land; thence turning and running in a generally Northerly direction by said Gajewski land a distance of 318 feet, more or less, to the point of beginning.

MEANING AND INTENDING to convey the same premises as conveyed to the within Grantor by deed of William O. Gillis and Marian T. Gillis dated January 22, 1964 and recorded in the Strafford County Registry of Deeds at Book 774, Page 78.



FURTHER MEANING AND INTENDING to convey the same premises as conveyed to the within Grantor by deed of Ralph W. Torr dated January 25, 1973 and recorded in the Strafford County Registry of Deeds at Book 919, Pages 210-213.

TRACT V:

A certain parcel of land situate in Dover, County of Strafford and State of New Hampshire, bounded and described as follows:

Beginning at an iron pipe set in the ground on the Southeasterly sideline of a proposed right of way to be a relocation of Cushing Road as shown on the lay-out of the Spaulding Turnpike dated 1954, which point is about 25 feet from the division line between land of the State Highway Department and land of said Torrs; thence running by said proposed right of way South 50° 38' East, 75 feet, more or less, to a point of curve; thence running by said proposed right of way on a curve to the right with radius of 275 feet, a distance of 25 feet, more or less, to an iron pipe set in the ground; thence turning and running North 44° 35' East 100 feet, more or less, by land formerly of one Noel to an iron pipe set in the ground, at land of Torr; thence turning and running North 50° 38' West 156.83 feet, more or less, by said Torr land to an iron pipe set in the ground; thence turning and running South 13° 1' West 107.64 feet, more or less, by said Torr land to an iron pipe set in the ground at the Southeasterly sideline of said proposed right of way and the point begun at.

MEANING AND INTENDING to convey the same premises as conveyed to the within Grantor by deed of Franklin G. Torr dated May 17, 1965 and recorded in the Strafford County Registry of Deeds at Book 795, Page 57.

FURTHER MEANING AND INTENDING to convey the same premises as conveyed to the within Grantor by deed of Ralph W. Torr dated January 25, 1973 and recorded in the Strafford County Registry of Deeds at Book 919, Pages 210-213.

The above-described tracts of land are subject, however, to easements to the Public Service Company of New Hampshire, and Granite State Gas Transmission, Inc., and all other outstanding easements, privileges and appurtenances belonging to the premises herein above described and of record, however the same shall apply.



**This is not homestead property of the Grantor or his spouse.**

WITNESS my hand this 16<sup>th</sup> day of December, 2016.

Thomas F. Torr

Witness

Franklin G. Torr

Franklin G. Torr

\_\_\_\_\_  
Witness

STATE OF NEW HAMPSHIRE  
COUNTY OF STRAFFORD

Personally appeared the above named Franklin G. Torr and acknowledged the foregoing to be his free act and deed. Before me this 16<sup>th</sup> day of December, 2016.

Robert M. Shepard

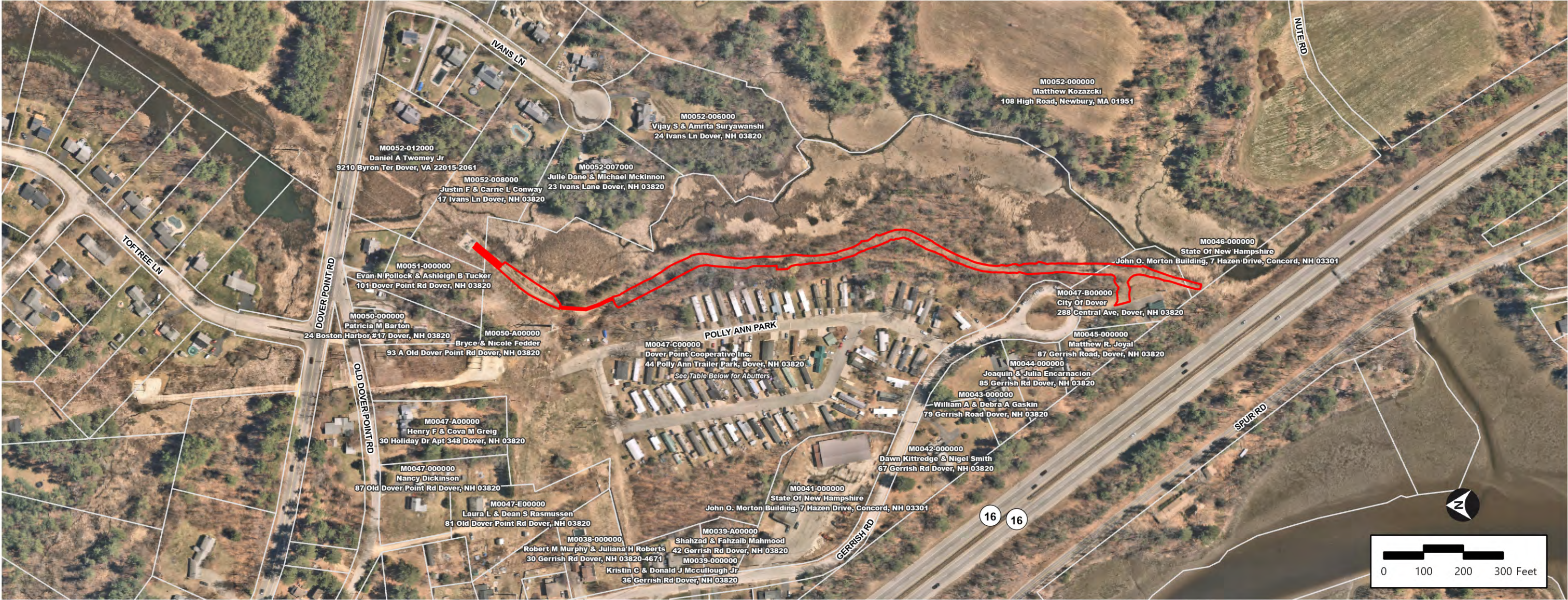
Justice of the Peace/Notary Public  
My Commission Expires:





Figure 3: Abutters

Unitil Right of Way | Dover, NH



| Parcel ID     | Owner                                                       | Mailing Address                            |
|---------------|-------------------------------------------------------------|--------------------------------------------|
| M0047-C00001  | Ryan James Couch                                            | 1 Polly Ann Trailer Park, Dover, NH 03820  |
| M0047-C00002  | Michelle E Sayers Revocable Trust Of 202, C/O Jason Knowles | 2 Polly Ann Trailer Pk Dover, NH 03820     |
| M0047-C0003B  | Donald N. & Marianne Sprague                                | 3 Polly Ann Trailer Pk Dover, NH 03820     |
| M0047-C00004  | Estate Of Lisa Johnson, C/O William Johnson                 | 2021 Scenic View Pass Dover, FL 33810-9203 |
| M0047-C00006  | Brian F. Bowie                                              | 6 Polly Ann Trailer Pk Dover, NH 03820     |
| M0047-C00007  | Shane Waters                                                | 7 Polly Ann Trailer Park Dover, NH 03820   |
| M0047-C00010  | Isabelle C Champoux, Isabelle C Champoux Revocable Trust    | P O Box 5854 Dover, MA 01952               |
| M0047-C00011  | Gary Storms                                                 | 11 Polly Ann Trailer Pk Dover, NH 03820    |
| M0047-C00012  | Leslie D. & Nancy J. Cooper                                 | 27 Highland St Dover, NH 03833             |
| M0047-C00014  | Lehana Anderson                                             | 14 Polly Ann Trailer Pk Dover, NH 03820    |
| M0047-C00015  | Diane Bova                                                  | 15 Polly Ann Trailer Park Dover, NH 03820  |
| M0047-C00016  | George M. & Robin A Morris                                  | 16 Polly Ann Trailer Pk Dover, NH 03820    |
| M0047-C0017A  | Gayle Pattiasina                                            | 17 Polly Ann Trailer Pk Dover, NH 03820    |
| M0047-C00018  | Jerome J. Steffen                                           | 18 Polly Ann Trailer Pk Dover, NH 03820    |
| M0047-C00019  | James Johnson                                               | 19 Polly Ann Trailer Park Dover, NH 03820  |
| M0047-C00020  | Zulay Elason                                                | 20 Polly Ann Trailer Pk Dover, NH 03820    |
| M0047-C00021  | Diana Howland                                               | 21 Polly Ann Pk Dover, NH 03820            |
| M0047-C0022A  | Frank A. And Amy M. Denovellis                              | 22 Polly Ann Trailer Pk Dover, NH 03820    |
| M0047-C00023A | Brynn K. Livingston                                         | 23 Polly Ann Trailer Pk Dover, NH 03820    |
| M0047-C00024  | Caroliann M. Varnasse                                       | 24 Polly Ann Trailer Pk Dover, NH 03820    |
| M0047-C00025  | William Standish                                            | 25 Polly Ann Trailer Pk Dover, NH 03820    |
| M0047-C00026  | Bryan Chambers                                              | 26 Polly Ann Trailer Pk Dover, NH 03820    |
| M0047-C00027  | Thomas & Kathleen Roberts                                   | 27 Polly Ann Trailer Park Dover, NH 03820  |
| M0047-C00028  | Nancy Kirtland                                              | 28 Polly Ann Trailer Pk Dover, NH 03820    |
| M0047-C0029A  | Normand P. Croteau                                          | 29 Polly Ann Trailer Pk Dover, NH 03820    |

| Parcel ID     | Owner                           | Mailing Address                              |
|---------------|---------------------------------|----------------------------------------------|
| M0047-C00030  | Joseph G & Deanna M Gagnon      | 30 Polly Ann Trailer Pk Dover, NH 03820      |
| M0047-C0031A  | Daniel Malzahn                  | 31 Polly Ann Trailer Pk Dover, NH 03820      |
| M0047-C00032  | Keith & Tonia Pelletier         | 32 Polly Ann Trailer Pk Dover, NH 03820      |
| M0047-C00033  | Susan & Joseph O'Brien          | 33 Polly Ann Trailer Pk Dover, NH 03820      |
| M0047-C00034  | Jeffrey L & Lee C Fitzgerald    | 34 Polly Ann Trailer Pk Dover, NH 03820      |
| M0047-C00035  | Peter Hayes                     | 35 Polly Ann Trailer Pk Dover, NH 03820      |
| M0047-C00037  | Aaron Rivals                    | 37 Polly Ann Trailer Pk Dover, NH 03820      |
| M0047-C00038  | Jeremy Bova                     | 38 Polly Ann Trailer Pk Dover, NH 03820      |
| M0047-C00039  | Elizabeth A Donohue             | 39 Polly Ann Trailer Pk Dover, NH 03820      |
| M0047-C00040  | Michelle Gladden                | 40 Polly Ann Trailer Pk Dover, NH 03820      |
| M0047-C00041  | Steven L Yeaton                 | 41 Polly Ann Trailer Pk Dover, NH 03820      |
| M0047-C0042A  | Katelyn Williamson & Joy Dudley | 42 Polly Ann Trailer Pk Dover, NH 03820      |
| M0047-C0043A  | Paul Koppenhaver                | 43A Polly Ann Trailer Pk Dover, NH 03820     |
| M0047-C00043  | John Huerkamp                   | 43B Polly Ann Trailer Pk Dover, NH 03820     |
| M0047-C00044  | Franklin G. Torr                | 1 Old Littleworth Rd Dover, NH 03820         |
| M0047-C0046A  | Christopher J. Renner           | 46 Polly Ann Trailer Pk Dover, NH 03820      |
| M0047-C00047  | Steven F & Robert S Heher       | 47 Polly Ann Trailer Pk Dover, NH 03820      |
| M0047-C00048  | Derek Fisher                    | 48 Polly Ann Trailer Pk Dover, NH 03820-4678 |
| M0047-C00049  | Ruth Wallace                    | 49 Polly Ann Trailer Pk Dover, NH 03820      |
| M0047-C00050  | Charles F Barrett II            | 5 Highpointe Cir Dover, ME 03904-5446        |
| M0047-C00051  | Franklin G. Torr                | 1 Old Littleworth Rd Dover, NH 03820         |
| M0047-C00052A | Scott T Littlefield             | 52 Polly Ann Trailer Pk Dover, NH 03820      |
| M0047-C00053  | Leuyan & Veronica Schulman      | 3393 Rossi Ct Dover, FL 33417                |
| M0047-C00054A | Tamara-Lynne Paquette           | 54 Polly Ann Trailer Pk Dover, NH 03820      |
| M0047-C00055  | Laurie Ann Smith                | 32 Old Dover Rd Dover, NH 03867-3444         |

| Parcel ID     | Owner                                                      | Mailing Address                              |
|---------------|------------------------------------------------------------|----------------------------------------------|
| M0047-C00056  | Ledith Moore                                               | 56 Polly Ann Trailer Pk Dover, NH 03820      |
| M0047-C00057  | Dover Point Cooperative Inc. See Table Below For Abutters. | 44 Polly Ann Trailer Park Dover, NH 03820    |
| M0047-C00058A | Margaret A Mckenney                                        | 58 Polly Ann Trailer Pk Dover, NH 03820      |
| M0047-C00059  | Bryan Buchanan                                             | 59 Polly Ann Trailer Park Dover, NH 03820    |
| M0047-C00060  | Joy J Christie & James R McLaughlin                        | 60 Polly Ann Trailer Park Dover, NH 03820    |
| M0047-C00061A | Philip M Racic & Heather J Piazza                          | 61 Polly Ann Trailer Pk Dover, NH 03820      |
| M0047-C00062  | Mike Bresnahan                                             | 62 Polly Ann Trailer Pk Dover, NH 03820      |
| M0047-C00063  | Jason B & Tasha R Robinson                                 | 63 Polly Ann Trailer Pk Dover, NH 03820-4679 |
| M0047-C00064  | Dana & David P Veilleux                                    | 64 Polly Ann Trailer Park Dover, NH 03820    |
| M0047-C00065  | Rebecca L Ouellette                                        | 65 Polly Ann Trailer Park Dover, NH 03820    |
| M0047-C00066  | Linda Clark                                                | 66 Polly Ann Trailer Pk Dover, NH 03820      |
| M0047-C00067  | Richard Clark                                              | 67 Polly Ann Trailer Park Dover, NH 03820    |
| M0047-C00068A | John Bonbola                                               | 68 Polly Ann Trailer Pk Dover, NH 03820      |
| M0047-C00069  | Diane R Davidson                                           | 69 Polly Ann Trailer Pk Dover, NH 03820      |
| M0047-C00070  | Linda Cloutier                                             | 70 Polly Ann Trailer Pk Dover, NH 03820      |
| M0047-C00071  | Brahim Eddib                                               | 71 Polly Ann Trailer Pk Dover, NH 03820      |
| M0047-C00072  | Kathryn E & Edgar F Heselbarth                             | 73 Polly Ann Trailer Park Dover, NH 03820    |
| M0047-C00073  | Kathryn E & Edgar F Heselbarth                             | 73 Polly Ann Trailer Park Dover, NH 03820    |
| M0047-C00074  | Frank Torr                                                 | 1 Old Littleworth Rd Dover, NH 03820         |
| M0047-C00075  | Greta Wittman                                              | 75 Polly Ann Trailer Park Dover, NH 03820    |
| M0047-C00076  | Steven J Mancini                                           | 76 Polly Ann Trailer Pk Dover, NH 03820      |
| M0047-C00077  | Lucy Ann Parkman                                           | 77 Polly Ann Trailer Pk Dover, NH 03820      |
| M0047-C00078  | Judy Robinson                                              | 78 Polly Ann Trailer Pk Dover, NH 03820      |

Project Area  
Parcel Boundary



**Abutting Property**

30 GERRISH RD DOVER, NH 03820-4671  
36 GERRISH RD DOVER, NH 03820  
42 GERRISH RD DOVER, NH 03820  
50 GERRISH RD DOVER, NH 03820  
67 GERRISH RD DOVER, NH 03820  
79 GERRISH ROAD DOVER, NH 03820  
85 GERRISH RD DOVER, NH 03820  
87 Gerrish Road, Dover, NH 03820  
87A Gerrish Road, Dover, NH 03820  
89 Gerrish Road, Dover, NH 03820  
Dover Point Road, Dover, NH 03820  
Gerrish Road, Dover, NH 03820  
1 Polly Ann Trailer Park, Dover, NH 03820  
2 POLLY ANN TRAILER PK DOVER, NH 03820  
3 POLLY ANN TRAILER PK DOVER, NH 03820  
4 POLLY ANN TRAILER PK DOVER, NH 03820  
6 POLLY ANN TRAILER PK DOVER, NH 03820  
7 POLLY ANN TRAILER PARK DOVER, NH 03820  
10 POLLY ANN TRAILER PARK DOVER, NH 03820  
11 POLLY ANN TRAILER PK DOVER, NH 03820  
12 POLLY ANN TRAILER PK DOVER, NH 03820  
14 POLLY ANN TRAILER PK DOVER, NH 03820  
15 POLLY ANN TRAILER PARK DOVER, NH 03820  
16 POLLY ANN TRAILER PK DOVER, NH 03820  
17 POLLY ANN TRAILER PK DOVER, NH 03820  
18 POLLY ANN TRAILER PK DOVER, NH 03820  
19 POLLY ANN TRAILER PARK DOVER, NH 03820  
20 POLLY ANN TRAILER PK DOVER, NH 03820  
21 POLLY ANN TRAILER PK DOVER, NH 03820  
22 POLLY ANN TRAILER PK DOVER, NH 03820  
23 POLLY ANN TRAILER PK DOVER, NH 03820  
24 POLLY ANN TRAILER PK DOVER, NH 03820  
25 POLLY ANN TRAILER PK DOVER, NH 03820  
26 POLLY ANN TRAILER PK DOVER, NH 03820  
27 POLLY ANN TRAILER PARK DOVER, NH 03820  
28 POLLY ANN TRAILER PK DOVER, NH 03820  
29 POLLY ANN TRAILER PK DOVER, NH 03820  
30 POLLY ANN TRAILER PK DOVER, NH 03820  
31 POLLY ANN TRAILER PK DOVER, NH 03820  
32 POLLY ANN TRAILER PK DOVER, NH 03820  
33 POLLY ANN TRAILER PK DOVER, NH 03820  
34 POLLY ANN TRAILER PK DOVER, NH 03820  
35 POLLY ANN TRAILER PK DOVER, NH 03820  
37 POLLY ANN TRAILER PK DOVER, NH 03820  
38 POLLY ANN TRAILER PK DOVER, NH 03820  
39 POLLY ANN TRAILER PK DOVER, NH 03820  
40 POLLY ANN TRAILER PK DOVER, NH 03820  
41 POLLY ANN TRAILER PK DOVER, NH 03820  
42 POLLY ANN TRAILER PK DOVER, NH 03820  
43A POLLY ANN TRAILER PK DOVER, NH 03820

**Owner**

ROBERT M MURPHY & JULIANA H ROBERTS  
KRISTIN C & DONALD J MCCULLOUGH JR  
SHAHZAD & FAHZAIB MAHMOOD  
STATE OF NEW HAMPSHIRE  
DAWN KITTREDGE & NIGEL SMITH  
WILLIAM A & DEBRA A GASKIN  
JOAQUIN & JULIA ENCARNACION  
Matthew R. Joyal  
City of Dover  
State of New Hampshire  
Matthew Kozacki  
Dover Point Cooperative Inc.  
Ryan James Couch  
MICHELLE E SAYERS REVOCABLE TRUST OF 202, C/O JASON KNOWLES  
Donald N. & Marianne Sprague  
Estate of Lisa Johnson, C/O William Johnson  
Brian F. Bowie  
Shane Waters  
ISABELLE C CHAMPOUX, ISABELLE C CHAMPOUX REVOCABLE TRUST  
GARY STORMS  
LESLIE D. & NANCY J. COOPER  
LEHANA ANDERSON  
DIANE BOVA  
GEORGE M. & ROBIN A MORRIS  
GAYLE PATTIASINA  
JEROME J. STEFFEN  
JAMES JOHNSON  
ZULAY ELIASON  
DIANA HOWLAND  
FRANK A. AND AMY M. DENOVELLIS  
BRYNNE K. LIVINGSTON  
CAROLLANN M. VANASSE  
WILLIAM STANDISH  
BRYAN CHAMBERS  
THOMAS & KATHLEEN ROBERTS  
NANCY KIRTLAND  
NORMAND P. CROTEAU  
JOSPEH G & DEANNA M GAGNON  
DANIEL MALZAHN  
KEITH & TONIA PELLETIER  
SUSAN & JOSEPH O'BRIEN  
JEFFREY L & LEE C FITZGERALD  
PETER HAYES  
AARON RIVAIS  
JEREMY BOVA  
ELIZABETH A DONOHUE  
MICHELLE GLADDEN  
STEVEN L YEATON  
KATELYN WILLIAMSON & JOY DUDLEY  
PAUL KOPPENHAVER

**Parcel ID**

M0038-000000  
M0039-000000  
M0039-A00000  
M0041-000000  
M0042-000000  
M0043-000000  
M0044-000000  
M0045-000000  
M0047-B00000  
M0046-000000  
M0052-000000  
M0047-C00000  
M0047-C00001  
M0047-C00002  
M0047-C0003B  
M0047-C00004  
M0047-C00006  
M0047-C00007  
M0047-C00010  
M0047-C00011  
M0047-C00012  
M0047-C00014  
M0047-C00015  
M0047-C00016  
M0047-C0017A  
M0047-C00018  
M0047-C00019  
M0047-C00020  
M0047-C00021  
M0047-C0022A  
M0047-C0023A  
M0047-C00024  
M0047-C00025  
M0047-C00026  
M0047-C00027  
M0047-C00028  
M0047-C0029A  
M0047-C00030  
M0047-C0031A  
M0047-C00032  
M0047-C00033  
M0047-C00034  
M0047-C00035  
M0047-C00037  
M0047-C00038  
M0047-C00039  
M0047-C00040  
M0047-C00041  
M0047-C0042A  
M0047-C0043A

**Mailing Address**

30 GERRISH RD DOVER, NH 03820-4671  
36 GERRISH RD DOVER, NH 03820  
42 GERRISH RD DOVER, NH 03820  
John O. Morton Building, 7 Hazen Drive, Concord, NH 03301  
67 GERRISH RD DOVER, NH 03820  
79 GERRISH ROAD DOVER, NH 03820  
85 GERRISH RD DOVER, NH 03820  
87 Gerrish Road, Dover, NH 03820  
288 Central Ave, Dover, NH 03820  
John O. Morton Building, 7 Hazen Drive, Concord, NH 03301  
108 High Road, Newbury, MA 01951  
44 Polly Ann Trailer Park, Dover, NH, 03820  
1 Polly Ann Trailer Park, Dover, NH 03820  
2 POLLY ANN TRAILER PK DOVER, NH 03820  
3 POLLY ANN TRAILER PK DOVER, NH 03820  
2021 SCENIC VIEW PASS DOVER, FL 33810-9203  
6 POLLY ANN TRAILER PK DOVER, NH 03820  
7 POLLY ANN TRAILER PARK DOVER, NH 03820  
P O BOX 5854 DOVER, MA 01952  
11 POLLY ANN TRAILER PK DOVER, NH 03820  
27 HIGHLAND ST DOVER, NH 03833  
14 POLLY ANN TRAILER PK DOVER, NH 03820  
15 POLLY ANN TRAILER PARK DOVER, NH 03820  
16 POLLY ANN TRAILER PK DOVER, NH 03820  
17 POLLY ANN TRAILER PK DOVER, NH 03820  
18 POLLY ANN TRAILER PK DOVER, NH 03820  
19 POLLY ANN TRAILER PARK DOVER, NH 03820  
20 POLLY ANN TRAILER PK DOVER, NH 03820  
21 POLLY ANN PK DOVER, NH 03820  
22 POLLY ANN TRAILER PK DOVER, NH 03820  
23 POLLY ANN TRAILER PK DOVER, NH 03820  
24 POLLY ANN TRAILER PK DOVER, NH 03820  
25 POLLY ANN TRAILER PK DOVER, NH 03820  
26 POLLY ANN TRAILER PK DOVER, NH 03820  
27 POLLY ANN TRAILER PARK DOVER, NH 03820  
28 POLLY ANN TRAILER PK DOVER, NH 03820  
29 POLLY ANN TRAILER PK DOVER, NH 03820  
30 POLLY ANN TRAILER PK DOVER, NH 03820  
31 POLLY ANN TRAILER PK DOVER, NH 03820  
32 POLLY ANN TRAILER PK DOVER, NH 03820  
33 POLLY ANN TRAILER PK DOVER, NH 03820  
34 POLLY ANN TRAILER PK DOVER, NH 03820  
35 POLLY ANN TRAILER PK DOVER, NH 03820  
37 POLLY ANN TRAILER PK DOVER, NH 03820  
38 POLLY ANN TRAILER PK DOVER, NH 03820  
39 POLLY ANN TRAILER PK DOVER, NH 03820  
40 POLLY ANN TRAILER PK DOVER, NH 03820  
41 POLLY ANN TRAILER PK DOVER, NH 03820  
42 POLLY ANN TRAILER PK DOVER, NH 03820  
43A POLLY ANN TRAILER PK DOVER, NH 03820



|                                              |                                      |              |                                              |
|----------------------------------------------|--------------------------------------|--------------|----------------------------------------------|
| 43B POLLY ANN TRAILER PK DOVER, NH 03820     | JOHN HUERKAMP                        | M0047-C00043 | 43B POLLY ANN TRAILER PK DOVER, NH 03820     |
| 44 POLLY ANN TRAILER PK DOVER, NH 03820      | FRANKLIN G. TORR                     | M0047-C00044 | 1 OLD LITTLEWORTH RD DOVER, NH 03820         |
| 46 POLLY ANN TRAILER PK DOVER, NH 03820      | CHRISTOPHER J. RENNER                | M0047-C0046A | 46 POLLY ANN TRAILER PK DOVER, NH 03820      |
| 47 POLLY ANN TRAILER PK DOVER, NH 03820      | STEVEN F& ROBERT S HEHER             | M0047-C00047 | 47 POLLY ANN TRAILER PK DOVER, NH 03820      |
| 48 POLLY ANN TRAILER PK DOVER, NH 03820-4678 | DEREK FISHER                         | M0047-C00048 | 48 POLLY ANN TRAILER PK DOVER, NH 03820-4678 |
| 49 POLLY ANN TRAILER PK DOVER, NH 03820      | RUTH WALLACE                         | M0047-C00049 | 49 POLLY ANN TRAILER PK DOVER, NH 03820      |
| 50 POLLY ANN TRAILER PK DOVER, NH 03820      | CHARLES F BARRETT II                 | M0047-C00050 | 5 HIGHPOINTE CIR DOVER, ME 03904-5446        |
| 51 POLLY ANN TRAILER PK DOVER, NH 03820      | FRANKLIN G. TORR                     | M0047-C00051 | 1 OLD LITTLEWORTH RD DOVER, NH 03820         |
| 52 POLLY ANN TRAILER PK DOVER, NH 03820      | SCOTT T LITTLEFIELD                  | M0047-C0052A | 52 POLLY ANN TRAILER PK DOVER, NH 03820      |
| 53 POLLY ANN TRAILER PK DOVER, NH 03820      | LEUYAN & VERONICA SCHULMAN           | M0047-C00053 | 3393 ROSSI CT DOVER, FL 33417                |
| 54 POLLY ANN TRAILER PK DOVER, NH 03820      | TAMARA-LYNNE PAQUETTE                | M0047-C0054A | 54 POLLY ANN TRAILER PK DOVER, NH 03820      |
| 55 POLLY ANN TRAILER PK DOVER, NH 03820      | LAURIE ANN SMITH                     | M0047-C00055 | 32 OLD DOVER RD DOVER, NH 03867-3444         |
| 56 POLLY ANN TRAILER PK DOVER, NH 03820      | LEDITH MOORE                         | M0047-C00056 | 56 POLLY ANN TRAILER PK DOVER, NH 03820      |
| 57 POLLY ANN TRAILER PK DOVER, NH 03820      | Dover Point Cooperative Inc.         | M0047-C00057 | 44 POLLY ANN TRAILER PARK DOVER, NH 03820    |
| 58 POLLY ANN TRAILER PK DOVER, NH 03820      | MARGARET A MCKENNEY                  | M0047-C0058A | 58 POLLY ANN TRAILER PK DOVER, NH 03820      |
| 59 POLLY ANN TRAILER PARK DOVER, NH 03820    | BRYAN BUCHANAN                       | M0047-C00059 | 59 POLLY ANN TRAILER PARK DOVER, NH 03820    |
| 60 POLLY ANN TRAILER PARK DOVER, NH 03820    | JOY J CHRISTIE &, JAMES R MCLAUGHLIN | M0047-C00060 | 60 POLLY ANN TRAILER PARK DOVER, NH 03820    |
| 61 POLLY ANN TRAILER PK DOVER, NH 03820      | PHILIP M RACIC & HEATHER J PIAZZA    | M0047-C0061A | 61 POLLY ANN TRAILER PK DOVER, NH 03820      |
| 62 POLLY ANN TRAILER PK DOVER, NH 03820      | MIKE BRESNAHAN                       | M0047-C00062 | 62 POLLY ANN TRAILER PK DOVER, NH 03820      |
| 63 POLLY ANN TRAILER PK DOVER, NH 03820-4679 | JASON B & TESHA R ROBINSON           | M0047-C00063 | 63 POLLY ANN TRAILER PK DOVER, NH 03820-4679 |
| 64 POLLY ANN TRAILER PARK DOVER, NH 03820    | DANA & DAVID P VEILLEUX              | M0047-C00064 | 64 POLLY ANN TRAILER PARK DOVER, NH 03820    |
| 65 POLLY ANN TRAILER PARK DOVER, NH 03820    | REBECCA L OUELLETTE                  | M0047-C00065 | 65 POLLY ANN TRAILER PARK DOVER, NH 03820    |
| 66 POLLY ANN TRAILER PK DOVER, NH 03820      | LINDA CLARK                          | M0047-C00066 | 66 POLLY ANN TRAILER PK DOVER, NH 03820      |
| 67 POLLY ANN TRAILER PARK DOVER, NH 03820    | RICHARD CLARK                        | M0047-C00067 | 67 POLLY ANN TRAILER PARK DOVER, NH 03820    |
| 68 POLLY ANN TRAILER PK DOVER, NH 03820      | JOHN BONDOLA                         | M0047-C0068A | 68 POLLY ANN TRAILER PK DOVER, NH 03820      |
| 69 POLLY ANN TRAILER PK DOVER, NH 03820      | DIANE R DAVIDSON                     | M0047-C00069 | 69 POLLY ANN TRAILER PK DOVER, NH 03820      |
| 70 POLLY ANN TRAILER PK DOVER, NH 03820      | LINDA CLOUTIER                       | M0047-C00070 | 70 POLLY ANN TRAILER PK DOVER, NH 03820      |
| 71 POLLY ANN TRAILER PK DOVER, NH 03820      | BRAHIM EDDIB                         | M0047-C00071 | 71 POLLY ANN TRAILER PK DOVER, NH 03820      |
| 72 POLLY ANN TRAILER PARK DOVER, NH 03820    | KATHRYN E & EDGAR F HESELBARTH       | M0047-C00072 | 73 POLLY ANN TRAILER PARK DOVER, NH 03820    |
| 73 POLLY ANN TRAILER PARK DOVER, NH 03820    | KATHRYN E & EDGAR F HESELBARTH       | M0047-C00073 | 73 POLLY ANN TRAILER PARK DOVER, NH 03820    |
| 74 POLLY ANN TRAILER PARK DOVER, NH 03820    | FRANK TORR                           | M0047-C00074 | 1 OLD LITTLEWORTH RD DOVER, NH 03820         |
| 75 POLLY ANN TRAILER PARK DOVER, NH 03820    | GRETA WITTMAN                        | M0047-C00075 | 75 POLLY ANN TRAILER PARK DOVER, NH 03820    |
| 76 POLLY ANN TRAILER PK DOVER, NH 03820      | STEVEN J MANCINI                     | M0047-C00076 | 76 POLLY ANN TRAILER PK DOVER, NH 03820      |
| 77 POLLY ANN TRAILER PK DOVER, NH 03820      | LUCY ANN PARKMAN                     | M0047-C00077 | 77 POLLY ANN TRAILER PK DOVER, NH 03820      |
| 78 POLLY ANN TRAILER PK DOVER, NH 03820      | JUDY ROBINSON                        | M0047-C00078 | 78 POLLY ANN TRAILER PK DOVER, NH 03820      |
| 70 GERRISH RD, DOVER, NH 03820               | MARTHA E & MARK E MCDONOUGH          | M0047-C0001A | 82 DUDLEY RD DOVER, NH 03833                 |
| 72 GERRISH RD, DOVER, NH 03820               | JOSHUA STONE                         | M0047-C0002A | 72 GERRISH RD #22 DOVER, NH 03820            |
| 74 GERRISH RD DOVER, NH 03820                | DOROTHY & ZACH WENTWORTH             | M0047-C0003A | 74 GERRISH RD DOVER, NH 03820                |
| 5 IVANS LN DOVER, NH 03820                   | DANIEL A TWOMEY JR                   | M0052-012000 | 9210 BYRON TER DOVER, VA 22015-2061          |
| 17 IVANS LN DOVER, NH 03820                  | JUSTIN F & CARRIE L CONWAY           | M0052-008000 | 17 IVANS LN DOVER, NH 03820                  |
| 23 IVANS LANE DOVER, NH 03820                | JULIE DANE & MICHAEL MCKINNON        | M0052-007000 | 23 IVANS LANE DOVER, NH 03820                |
| 24 IVANS LN DOVER, NH 03820                  | VIJAY S & AMRITA SURYAWANSHI         | M0052-006000 | 24 IVANS LN DOVER, NH 03820                  |
| 101 DOVER POINT RD DOVER, NH 03820           | EVAN N POLLOCK & ASHLEIGH B TUCKER   | M0051-000000 | 101 DOVER POINT RD DOVER, NH 03820           |
| 81 OLD DOVER POINT RD DOVER, NH 03820        | LAURA L & DEAN S RASMUSSEN           | M0047-E00000 | 81 OLD DOVER POINT RD DOVER, NH 03820        |
| 87 OLD DOVER POINT RD DOVER, NH 03820        | NANCY DICKINSON                      | M0047-000000 | 87 OLD DOVER POINT RD DOVER, NH 03820        |
| 91 OLD DOVER POINT RD DOVER, NH 03820        | HENRY F & COVA M GREIG               | M0047-A00000 | 30 HOLIDAY DR APT 348 DOVER, NH 03820        |
| 93 OLD DOVER POINT RD DOVER, NH 03820        | PATRICIA M BARTON                    | M0050-000000 | 24 BOSTON HARBOR #17 DOVER, NH 03820         |
| 93 A OLD DOVER POINT RD DOVER, NH 03820      | BRYCE & NICOLE FEDDER                | M0050-A00000 | 93 A OLD DOVER POINT RD DOVER, NH 03820      |



# Site Plans

|              |                        |
|--------------|------------------------|
| Issued for   | Conditional Use Permit |
| Date Issued  | May 3, 2024            |
| Latest Issue | May 3, 2024            |

## Unitil Gas Transmission Pipe Replacement, Right-of-Way Road Replacement, and Appurtenant Station Construction

Gerrish Road  
Dover, New Hampshire



### Applicant

Unitil Granite State Gas Transmission  
325 West Road  
Portsmouth, NH 03801

Assessor's Map: M-47  
Lot: B-0, C-0

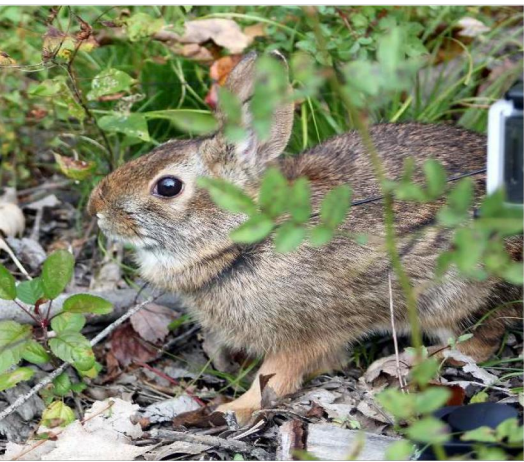
### Sheet Index

| No.   | Drawing Title                     | Latest Issue |
|-------|-----------------------------------|--------------|
| C1.01 | Legend and General Notes          | 5/3/2024     |
| C2.00 | Overall Site Plan                 | 5/3/2024     |
| C2.01 | Site Plan 1                       | 5/3/2024     |
| C2.02 | Site Plan 2                       | 5/3/2024     |
| C2.03 | Site Plan 3                       | 5/3/2024     |
| C2.04 | Site Plan 4                       | 5/3/2024     |
| C3.01 | Erosion & Sediment Control Plan 1 | 5/3/2024     |
| C3.02 | Erosion & Sediment Control Plan 2 | 5/3/2024     |
| C3.03 | Erosion & Sediment Control Plan 3 | 5/3/2024     |
| C3.04 | Erosion & Sediment Control Plan 4 | 5/3/2024     |
| C4.01 | Site Details 1                    | 5/3/2024     |
| C4.02 | Site Details 2                    | 5/3/2024     |

### Reference Drawings

| No.   | Drawing Title                                                                            | Latest Issue |
|-------|------------------------------------------------------------------------------------------|--------------|
| 7342A | Topographic Plan for Process Pipeline Services Inc. of the Varney Brook Station Gas Line | 6/21/2022    |

### New England Cottontail (Sylvilagus transitionalis) (New Hampshire State-Endangered)



- Adults are 15-17" in length
- Brown and gray coat that does NOT change color with the seasons.
- Black spot between the ears is sometimes visible but not always present.
- Can be mistaken for non-native Eastern cottontails.

Please report sightings to NH Fish and Game at [RAARP@wildlife.nh.gov](mailto:RAARP@wildlife.nh.gov) or at 603-271-2461. Photo documentation, location, and date/time of observation is helpful.

vhb.com



2 Bedford Farms Drive  
Suite 200  
Bedford, NH 03110  
603.391.3900

### Survey

Doucet Survey  
102 Kent Place  
Newmarket, NH 030857  
603.659.6590

### Geotechnical Consultant

SWCole  
13 Delta Drive  
Unit 8  
Londonderry, NH 03053  
413.222.1675



Legend

| Exist. | Prop. |                                    | Exist.     | Prop.      |                                |
|--------|-------|------------------------------------|------------|------------|--------------------------------|
|        |       | PROPERTY LINE                      |            |            | CONCRETE                       |
|        |       | PROJECT LIMIT LINE                 |            |            | HEAVY DUTY PAVEMENT            |
|        |       | RIGHT-OF-WAY/PROPERTY LINE         |            |            | BUILDINGS                      |
|        |       | EASEMENT                           |            |            | RIPRAP                         |
|        |       | BUILDING SETBACK                   |            |            | CONSTRUCTION EXIT              |
|        |       | PARKING SETBACK                    | 27.35 TC x | 27.35 TC x | TOP OF CURB ELEVATION          |
|        |       | BASELINE                           | 26.85 BC x | 26.85 BC x | BOTTOM OF CURB ELEVATION       |
|        |       | CONSTRUCTION LAYOUT                | 132.75 x   | 132.75 x   | SPOT ELEVATION                 |
|        |       | ZONING LINE                        | 45.0 TW x  | 45.0 TW x  | TOP & BOTTOM OF WALL ELEVATION |
|        |       | TOWN LINE                          | 38.5 BW x  | 38.5 BW x  |                                |
|        |       | LIMIT OF DISTURBANCE               |            |            | BORING LOCATION                |
|        |       | WETLAND LINE WITH FLAG             |            |            | TEST PIT LOCATION              |
|        |       | FLOODPLAIN                         |            |            | MONITORING WELL                |
|        |       | BORDERING LAND SUBJECT TO FLOODING |            |            | UNDERDRAIN                     |
|        |       | WETLAND BUFFER ZONE                |            |            | DRAIN                          |
|        |       | NO DISTURB ZONE                    |            |            | ROOF DRAIN                     |
|        |       | 200' RIVERFRONT AREA               |            |            | SEWER                          |
|        |       |                                    |            |            | FORCE MAIN                     |
|        |       |                                    |            |            | OVERHEAD WIRE                  |
|        |       | GRAVEL ROAD                        |            |            | WATER                          |
|        |       | EDGE OF PAVEMENT                   |            |            | FIRE PROTECTION                |
|        |       | BITUMINOUS BERM                    |            |            | DOMESTIC WATER                 |
|        |       | BITUMINOUS CURB                    |            |            | GAS                            |
|        |       | CONCRETE CURB                      |            |            | ELECTRIC                       |
|        |       | CURB AND GUTTER                    |            |            | STEAM                          |
|        |       | EXTRUDED CONCRETE CURB             |            |            | TELEPHONE                      |
|        |       | MONOLITHIC CONCRETE CURB           |            |            | FIRE ALARM                     |
|        |       | PRECAST CONC. CURB                 |            |            | CABLE TV                       |
|        |       | SLOPED GRAN. EDGING                |            |            |                                |
|        |       | VERT. GRAN. CURB                   |            |            | CATCH BASIN CONCENTRIC         |
|        |       | LIMIT OF CURB TYPE                 |            |            | CATCH BASIN ECCENTRIC          |
|        |       | SAWCUT                             |            |            | DOUBLE CATCH BASIN CONCENTRIC  |
|        |       |                                    |            |            | DOUBLE CATCH BASIN ECCENTRIC   |
|        |       |                                    |            |            | GUTTER INLET                   |
|        |       | BUILDING                           |            |            | DRAIN MANHOLE CONCENTRIC       |
|        |       | BUILDING ENTRANCE                  |            |            | DRAIN MANHOLE ECCENTRIC        |
|        |       | LOADING DOCK                       |            |            | TRENCH DRAIN                   |
|        |       | BOLLARD                            |            |            | PLUG OR CAP                    |
|        |       | DUMPSTER PAD                       |            |            | CLEANOUT                       |
|        |       | SIGN                               |            |            | FLARED END SECTION             |
|        |       | DOUBLE SIGN                        |            |            | HEADWALL                       |
|        |       |                                    |            |            |                                |
|        |       | STEEL GUARDRAIL                    |            |            | SEWER MANHOLE CONCENTRIC       |
|        |       | WOOD GUARDRAIL                     |            |            | SEWER MANHOLE ECCENTRIC        |
|        |       |                                    |            |            |                                |
|        |       | PATH                               |            |            | CURB STOP & BOX                |
|        |       | TREE LINE                          |            |            | WATER VALVE & BOX              |
|        |       | WIRE FENCE                         |            |            | TAPPING SLEEVE, VALVE & BOX    |
|        |       | FENCE                              |            |            | FIRE DEPARTMENT CONNECTION     |
|        |       | STOCKADE FENCE                     |            |            | FIRE HYDRANT                   |
|        |       | STONE WALL                         |            |            | WATER METER                    |
|        |       | RETAINING WALL                     |            |            | POST INDICATOR VALVE           |
|        |       | STREAM / POND / WATER COURSE       |            |            | WATER WELL                     |
|        |       | DETENTION BASIN                    |            |            |                                |
|        |       | HAY BALES                          |            |            | GAS GATE                       |
|        |       | SILT FENCE                         |            |            | GAS METER                      |
|        |       | SILT SOCK / STRAW WATTLE           |            |            |                                |
|        |       |                                    |            |            | ELECTRIC MANHOLE               |
|        |       | MINOR CONTOUR                      |            |            | ELECTRIC METER                 |
|        |       | MAJOR CONTOUR                      |            |            | LIGHT POLE                     |
|        |       |                                    |            |            | TELEPHONE MANHOLE              |
|        |       | PARKING COUNT                      |            |            | TRANSFORMER PAD                |
|        |       | COMPACT PARKING STALLS             |            |            |                                |
|        |       | DOUBLE YELLOW LINE                 |            |            | UTILITY POLE                   |
|        |       | STOP LINE                          |            |            | GUY POLE                       |
|        |       | CROSSWALK                          |            |            | GUY WIRE & ANCHOR              |
|        |       | ACCESSIBLE CURB RAMP               |            |            | PULL BOX                       |
|        |       | ACCESSIBLE PARKING                 |            |            |                                |
|        |       | VAN-ACCESSIBLE PARKING             |            |            |                                |
|        |       |                                    |            |            | MATCHLINE                      |

Abbreviations

| General |                                |
|---------|--------------------------------|
| ABAN    | ABANDON                        |
| ACR     | ACCESSIBLE CURB RAMP           |
| ADJ     | ADJUST                         |
| APPROX  | APPROXIMATE                    |
| BIT     | BITUMINOUS                     |
| BS      | BOTTOM OF SLOPE                |
| BWLL    | BROKEN WHITE LANE LINE         |
| CONC    | CONCRETE                       |
| DYCL    | DOUBLE YELLOW CENTER LINE      |
| EL      | ELEVATION                      |
| ELEV    | ELEVATION                      |
| EX      | EXISTING                       |
| FDN     | FOUNDATION                     |
| FFE     | FIRST FLOOR ELEVATION          |
| GRAN    | GRANITE                        |
| GTD     | GRADE TO DRAIN                 |
| LA      | LANDSCAPE AREA                 |
| LOD     | LIMIT OF DISTURBANCE           |
| MAX     | MAXIMUM                        |
| MIN     | MINIMUM                        |
| NIC     | NOT IN CONTRACT                |
| NTS     | NOT TO SCALE                   |
| PERF    | PERFORATED                     |
| PROP    | PROPOSED                       |
| REM     | REMOVE                         |
| RET     | RETAIN                         |
| R&D     | REMOVE AND DISPOSE             |
| R&R     | REMOVE AND RESET               |
| SWEL    | SOLID WHITE EDGE LINE          |
| SWLL    | SOLID WHITE LANE LINE          |
| TS      | TOP OF SLOPE                   |
| TYP     | TYPICAL                        |
| Utility |                                |
| CB      | CATCH BASIN                    |
| CMP     | CORRUGATED METAL PIPE          |
| CO      | CLEANOUT                       |
| DCB     | DOUBLE CATCH BASIN             |
| DMH     | DRAIN MANHOLE                  |
| CIP     | CAST IRON PIPE                 |
| COND    | CONDUIT                        |
| DIP     | DUCTILE IRON PIPE              |
| FES     | FLARED END SECTION             |
| FM      | FORCE MAIN                     |
| F&G     | FRAME AND GRATE                |
| F&C     | FRAME AND COVER                |
| GI      | GUTTER INLET                   |
| GT      | GREASE TRAP                    |
| HDPE    | HIGH DENSITY POLYETHYLENE PIPE |
| HH      | HANDHOLE                       |
| HW      | HEADWALL                       |
| HYD     | HYDRANT                        |
| INV     | INVERT ELEVATION               |
| I=      | INVERT ELEVATION               |
| LP      | LIGHT POLE                     |
| MES     | METAL END SECTION              |
| PIV     | POST INDICATOR VALVE           |
| PWW     | PAVED WATER WAY                |
| PVC     | POLYVINYLCHLORIDE PIPE         |
| RCP     | REINFORCED CONCRETE PIPE       |
| R=      | RIM ELEVATION                  |
| RIM=    | RIM ELEVATION                  |
| SMH     | SEWER MANHOLE                  |
| TSV     | TAPPING SLEEVE, VALVE AND BOX  |
| UG      | UNDERGROUND                    |
| UP      | UTILITY POLE                   |

Notes

General

- THE PURPOSE OF THESE PLANS ARE TO SHOW THE DESIGN OF UPGRADES FOR UNTIL GAS INFRASTRUCTURE, INCLUDING A NEW GRAVEL ACCESS ROAD, GAS TRANSMISSION MAIN REPLACEMENT AND APPURTENANT STATION RECONSTRUCTION WITHIN THE UNTIL EASEMENT IN DOVER, NEW HAMPSHIRE.
- CONTRACTOR SHALL NOTIFY "DIG-SAFE" (811 OR 1-888-344-7233) AT LEAST 72 HOURS BEFORE EXCAVATING.
- CONTRACTOR SHALL BE RESPONSIBLE FOR SITE SECURITY AND JOB SAFETY. CONSTRUCTION ACTIVITIES SHALL BE IN ACCORDANCE WITH OSHA STANDARDS AND LOCAL REQUIREMENTS.
- AREAS DISTURBED DURING CONSTRUCTION AND NOT RESTORED WITH IMPERVIOUS SURFACES (BUILDINGS, PAVEMENTS, WALKS, ETC.) SHALL RECEIVE 6 INCHES LOAM AND SEED.
- WORK WITHIN THE LOCAL RIGHTS-OF-WAY SHALL CONFORM TO LOCAL MUNICIPAL STANDARDS. WORK WITHIN STATE RIGHTS-OF-WAY SHALL CONFORM TO THE LATEST EDITION OF THE STATE HIGHWAY DEPARTMENTS STANDARD SPECIFICATIONS FOR HIGHWAYS AND BRIDGES.
- UPON AWARD OF CONTRACT, CONTRACTOR SHALL MAKE NECESSARY CONSTRUCTION NOTIFICATIONS AND APPLY FOR AND OBTAIN NECESSARY PERMITS, PAY FEES, AND POST BONDS ASSOCIATED WITH THE WORK INDICATED ON THE DRAWINGS, IN THE SPECIFICATIONS, AND IN THE CONTRACT DOCUMENTS. DO NOT CLOSE OR OBSTRUCT ROADWAYS, SIDEWALKS, AND FIRE HYDRANTS, WITHOUT APPROPRIATE PERMITS.
- AREAS OUTSIDE THE LIMITS OF PROPOSED WORK DISTURBED BY THE CONTRACTOR'S OPERATIONS SHALL BE RESTORED BY THE CONTRACTOR TO THEIR ORIGINAL CONDITION AT THE CONTRACTOR'S EXPENSE.
- IN THE EVENT THAT SUSPECTED CONTAMINATED SOIL, GROUNDWATER, AND OTHER MEDIA ARE ENCOUNTERED DURING EXCAVATION AND CONSTRUCTION ACTIVITIES BASED ON VISUAL, OLFACTORY, OR OTHER EVIDENCE, THE CONTRACTOR SHALL STOP WORK IN THE VICINITY OF THE SUSPECT MATERIAL TO AVOID FURTHER SPREADING OF THE MATERIAL, AND SHALL NOTIFY THE OWNER IMMEDIATELY SO THAT THE APPROPRIATE TESTING AND SUBSEQUENT ACTION CAN BE TAKEN.
- CONTRACTOR SHALL PREVENT DUST, SEDIMENT, AND DEBRIS FROM EXITING THE SITE AND SHALL BE RESPONSIBLE FOR CLEANUP, REPAIRS AND CORRECTIVE ACTION IF SUCH OCCURS.
- DAMAGE RESULTING FROM CONSTRUCTION LOADS SHALL BE REPAIRED BY THE CONTRACTOR AT NO ADDITIONAL COST TO OWNER.
- CONTRACTOR SHALL CONTROL STORMWATER RUNOFF DURING CONSTRUCTION TO PREVENT ADVERSE IMPACTS TO OFF-SITE AREAS, AND SHALL BE RESPONSIBLE TO REPAIR RESULTING DAMAGES, IF ANY, AT NO COST TO OWNER.
- THIS PROJECT DISTURBS MORE THAN ONE ACRE OF LAND AND FALLS WITHIN THE NPDES CONSTRUCTION GENERAL PERMIT (CGP) PROGRAM AND EPA JURISDICTION. PRIOR TO THE START OF CONSTRUCTION CONTRACTOR IS TO FILE A CGP NOTICE OF INTENT WITH THE EPA AND PREPARE A STORMWATER POLLUTION PREVENTION PLAN IN ACCORDANCE WITH THE NPDES REGULATIONS. CONTRACTOR SHALL CONFIRM THE OWNER HAS ALSO FILED A NOTICE OF INTENT WITH THE EPA.
- PROPOSED LIMITS OF CONSTRUCTION DISTURBANCE ARE APPROXIMATE AND REPRESENT MAXIMUM PERMISSIBLE IMPACT TO JURISDICTIONAL AREAS. CONTRACTOR IS RESPONSIBLE FOR MINIMIZING EARTH DISTURBANCE TO THE EXTENT PRACTICABLE.
- PRIOR TO CONSTRUCTION CREW MOBILIZATION, WETLAND LIMITS WILL BE FLAGGED WITH PINK NEON VINYL RIBBONS TIED TO VEGETATION OR STAKES SO AS TO BE VISIBLE TO WORK CREWS.

Utilities

- THE UTILITY COMPANIES SERVICING THE PROJECT AREA ARE:

A. WATER: CITY OF DOVER

B. SEWER: CITY OF DOVER

C. ELECTRIC: EVERSOURCE

D. GAS: UNITIL
- THE LOCATIONS, SIZES, AND TYPES OF EXISTING UTILITIES ARE SHOWN AS AN APPROXIMATE REPRESENTATION ONLY. THE OWNER OR ITS REPRESENTATIVE HAVE NOT INDEPENDENTLY VERIFIED THIS INFORMATION AS SHOWN ON THE PLANS. THE UTILITY INFORMATION SHOWN DOES NOT GUARANTEE THE ACTUAL EXISTENCE, SERVICEABILITY, OR OTHER DATA CONCERNING THE UTILITIES, NOR DOES IT GUARANTEE AGAINST THE POSSIBILITY THAT ADDITIONAL UTILITIES MAY BE PRESENT THAT ARE NOT SHOWN ON THE PLANS. PRIOR TO ORDERING MATERIALS AND BEGINNING CONSTRUCTION, THE CONTRACTOR SHALL VERIFY AND DETERMINE THE EXACT LOCATIONS, SIZES, AND ELEVATIONS OF THE POINTS OF CONNECTIONS TO EXISTING UTILITIES AND SHALL CONFIRM THAT THERE ARE NO INTERFERENCES WITH EXISTING UTILITIES AND THE PROPOSED UTILITY ROUTES, INCLUDING ROUTES WITHIN THE PUBLIC RIGHTS OF WAY.
- WHERE AN EXISTING UTILITY IS FOUND TO CONFLICT WITH THE PROPOSED WORK, OR EXISTING CONDITIONS DIFFER FROM THOSE SHOWN SUCH THAT THE WORK CANNOT BE COMPLETED AS INTENDED, THE LOCATION, ELEVATION, AND SIZE OF THE UTILITY SHALL BE ACCURATELY DETERMINED WITHOUT DELAY BY THE CONTRACTOR, AND THE INFORMATION FURNISHED IN WRITING TO THE OWNER'S REPRESENTATIVE FOR THE RESOLUTION OF THE CONFLICT AND CONTRACTOR'S FAILURE TO NOTIFY PRIOR TO PERFORMING ADDITIONAL WORK RELEASES OWNER FROM OBLIGATIONS FOR ADDITIONAL PAYMENTS WHICH OTHERWISE MAY BE WARRANTED TO RESOLVE THE CONFLICT.
- SET CATCH BASIN RIMS, AND INVERTS OF SEWERS, DRAINS, AND DITCHES IN ACCORDANCE WITH ELEVATIONS ON THE GRADING AND UTILITY PLANS.
- RIM ELEVATIONS FOR DRAIN AND SEWER MANHOLES, WATER VALVE COVERS, GAS GATES, ELECTRIC AND TELEPHONE PULL BOXES, AND MANHOLES, AND OTHER SUCH ITEMS, ARE APPROXIMATE AND SHALL BE SET/RESET AS FOLLOWS:

A. PAVEMENTS AND CONCRETE SURFACES: FLUSH

B. ALL SURFACES ALONG ACCESSIBLE ROUTES: FLUSH

C. LANDSCAPE, LOAM AND SEED, AND OTHER EARTH SURFACE AREAS: ONE INCH ABOVE SURROUNDING AREA AND TAPER EARTH TO THE RIM ELEVATION.
- THE LOCATION, SIZE, DEPTH, AND SPECIFICATIONS FOR CONSTRUCTION OF PROPOSED PRIVATE UTILITY SERVICES SHALL BE INSTALLED ACCORDING TO THE REQUIREMENTS PROVIDED BY, AND APPROVED BY, THE RESPECTIVE UTILITY COMPANY (GAS, TELEPHONE, ELECTRIC, FIRE ALARM, ETC.). FINAL DESIGN LOADS AND LOCATIONS TO BE COORDINATED WITH OWNER.
- CONTRACTOR SHALL MAKE ARRANGEMENTS FOR AND SHALL BE RESPONSIBLE FOR PAYING FEES FOR POLE RELOCATION AND FOR THE ALTERATION AND ADJUSTMENT OF GAS, ELECTRIC, TELEPHONE, FIRE ALARM, AND ANY OTHER PRIVATE UTILITIES, WHETHER WORK IS PERFORMED BY CONTRACTOR OR BY THE UTILITIES COMPANY.
- UTILITY PIPE MATERIALS SHALL BE AS FOLLOWS, UNLESS OTHERWISE NOTED ON THE PLAN:

A. STORM DRAINAGE PIPES SHALL BE HDPE
- CONTRACTOR SHALL EXCAVATE AND BACKFILL TRENCHES FOR GAS IN ACCORDANCE WITH GAS COMPANY'S REQUIREMENTS.
- ALL DRAINAGE AND SANITARY STRUCTURE INTERIOR DIAMETERS (4" MIN.) SHALL BE DETERMINED BY THE MANUFACTURER BASED ON THE PIPE CONFIGURATIONS SHOWN ON THESE PLANS AND LOCAL MUNICIPAL STANDARDS. FOR MANHOLES THAT ARE 20 FEET IN DEPTH AND GREATER, THE MINIMUM DIAMETER SHALL BE 5 FEET.

NHF&G Notes

- NEW ENGLAND COTTONTAIL (STATE ENDANGERED) OCCURS WITHIN THE VICINITY OF THE PROJECT AREA. ALL OPERATORS AND PERSONNEL WORKING ON OR ENTERING THE SITE SHALL BE MADE AWARE OF THE POTENTIAL PRESENCE OF THESE SPECIES AND SHALL BE PROVIDED FLYERS THAT HELP TO IDENTIFY THESE SPECIES, ALONG WITH NHFG CONTACT INFORMATION.
- RARE SPECIES INFORMATION (E.G. IDENTIFICATION, OBSERVATION AND REPORTING OF OBSERVATIONS, WHEN TO CONTACT NHFG IMMEDIATELY AND NHFG CONTACT INFORMATION) SHALL BE COMMUNICATED DURING MORNING TAILGATE MEETINGS PRIOR TO WORK COMMENCEMENT DURING THE CONSTRUCTION PHASE OF THE PROJECT. SEE COVER SHEET FOR FLYER.
- ALL MANUFACTURED EROSION AND SEDIMENT CONTROL PRODUCTS, WITH THE EXCEPTION OF TURF REINFORCEMENT MATS, UTILIZED FOR, BUT NOT LIMITED TO, SLOPE PROTECTION, RUNOFF DIVERSION, SLOPE INTERRUPTION, PERIMETER CONTROL, INLET PROTECTION, CHECK DAMS, AND SEDIMENT TRAPS SHALL NOT CONTAIN PLASTIC, OR MULTIFILAMENT OR MONOFILAMENT POLYPROPYLENE NETTING OR MESH WITH AN OPENING SIZE OF GREATER THAN 1/8 INCHES. SEE SITE DETAILS SHEETS FOR EROSION AND SEDIMENT CONTROL PRODUCTS.

- ALL OBSERVATIONS OF THREATENED OR ENDANGERED SPECIES SHALL BE REPORTED TO THE NEW HAMPSHIRE FISH AND GAME DEPARTMENT NONGAME AND ENDANGERED WILDLIFE ENVIRONMENTAL REVIEW PROGRAM BY PHONE AT 603-271-2461 AND BY EMAIL AT [NHFGreview@wildlife.nh.gov](mailto:NHFGreview@wildlife.nh.gov). EMAIL SUBJECT LINE: NHB23-2737, UNTIL GAS LINE, GERRISH ROAD, DOVER, NH, WILDLIFE SPECIES OBSERVATION.
- PHOTOGRAPHS OF THE OBSERVED SPECIES AND NEARBY ELEMENTS OF HABITAT OR AREAS OF LAND DISTURBANCE SHALL BE PROVIDED TO NHF&G IN DIGITAL FORMAT AT THE ABOVE EMAIL ADDRESS FOR VERIFICATION, AS FEASIBLE.
- IN THE EVENT A THREATENED OR ENDANGERED SPECIES IS OBSERVED ON THE PROJECT SITE DURING THE TERM OF THE PERMIT, THE SPECIES SHALL NOT BE DISTURBED, HANDLED, OR HARMED IN ANY WAY PRIOR TO CONSULTATION WITH NHF&G AND IMPLEMENTATION OF CORRECTIVE ACTIONS RECOMMENDED BY NHF&G.
- SITE OPERATORS SHALL BE ALLOWED TO RELOCATE WILDLIFE ENCOUNTERED IF DISCOVERED WITHIN THE ACTIVE WORK ZONE IF IN DIRECT HARM FROM PROJECT ACTIVITIES. WILDLIFE SHALL BE RELOCATED IN CLOSE PROXIMITY TO THE CAPTURE LOCATION BUT OUTSIDE OF THE WORK ZONE, AND IN THE DIRECTION THE INDIVIDUAL WAS HEADING. NHFG SHALL BE CONTACTED IMMEDIATELY IF THIS ACTION OCCURS.
- THE NHF&G, INCLUDING ITS EMPLOYEES AND AUTHORIZED AGENTS, SHALL HAVE ACCESS TO THE PROPERTY DURING THE TERM OF THE PERMIT.

Layout and Materials

- DIMENSIONS ARE FROM THE FACE OF CURB, FACE OF BUILDING, FACE OF WALL, AND CENTER LINE OF PAVEMENT MARKINGS, UNLESS OTHERWISE NOTED.
- CURBING TYPE AND RADII SHALL BE AS INDICATED ON THE PLANS.
- REFER TO PROCESS PIPELINE SERVICES, INC. GAS TRANSMISSION MAIN DRAWINGS FOR FINAL VERTICAL AND HORIZONTAL ALIGNMENT OF THE GAS TRANSMISSION MAIN AND APPURTENANT STATION CONSTRUCTION LAYOUT.
- PROPOSED BOUNDS AND ANY EXISTING PROPERTY LINE MONUMENTATION DISTURBED DURING CONSTRUCTION SHALL BE SET OR RESET BY A LICENSED LAND SURVEYOR (LLS).
- PRIOR TO START OF CONSTRUCTION, CONTRACTOR SHALL VERIFY EXISTING PAVEMENT ELEVATIONS AT INTERFACE WITH PROPOSED PAVEMENTS, AND EXISTING GROUND ELEVATIONS ADJACENT TO DRAINAGE OUTLETS TO ASSURE PROPER TRANSITIONS BETWEEN EXISTING AND PROPOSED FACILITIES.

Demolition

- CONTRACTOR SHALL REMOVE AND DISPOSE OF EXISTING MANMADE SURFACE FEATURES WITHIN THE LIMIT OF WORK INCLUDING BUILDINGS, STRUCTURES, PAVEMENTS, SLABS, CURBING, FENCES, UTILITY POLES, SIGNS, ETC., UNLESS INDICATED OTHERWISE ON THE DRAWINGS. REMOVE AND DISPOSE OF EXISTING UTILITIES, FOUNDATIONS AND UNSUITABLE MATERIAL BENEATH AND FOR A DISTANCE OF 10 FEET BEYOND THE PROPOSED BUILDING FOOTPRINT INCLUDING EXTERIOR COLUMNS.
- EXISTING UTILITIES SHALL BE TERMINATED, UNLESS OTHERWISE NOTED, IN CONFORMANCE WITH LOCAL STATE AND INDIVIDUAL UTILITY COMPANY STANDARD SPECIFICATIONS AND DETAILS. THE CONTRACTOR SHALL COORDINATE UTILITY SERVICE DISCONNECTS WITH THE UTILITY REPRESENTATIVES.
- CONTRACTOR SHALL DISPOSE OF DEMOLITION DEBRIS IN ACCORDANCE WITH APPLICABLE FEDERAL, STATE AND LOCAL REGULATIONS, ORDINANCES AND STATUTES.

Erosion Control

- PRIOR TO STARTING ANY OTHER WORK ON THE SITE, THE CONTRACTOR SHALL NOTIFY APPROPRIATE AGENCIES AND SHALL INSTALL EROSION CONTROL MEASURES AS SHOWN ON THE PLANS AND AS IDENTIFIED IN FEDERAL, STATE, AND LOCAL APPROVAL DOCUMENTS PERTAINING TO THIS PROJECT.
- CONTRACTOR SHALL INSPECT AND MAINTAIN EROSION CONTROL MEASURES ON A WEEKLY BASIS (MINIMUM) OR AS REQUIRED PER THE STORMWATER POLLUTION PREVENTION PLAN (SWPPP). THE CONTRACTOR SHALL ADDRESS DEFICIENCIES AND MAINTENANCE ITEMS WITHIN TWENTY-FOUR HOURS OF INSPECTION. CONTRACTOR SHALL PROPERLY DISPOSE OF SEDIMENT SUCH THAT IT DOES NOT ENCUMBER OTHER DRAINAGE STRUCTURES AND PROTECTED AREAS.
- CONTRACTOR SHALL BE FULLY RESPONSIBLE TO CONTROL CONSTRUCTION SUCH THAT SEDIMENTATION SHALL NOT AFFECT REGULATORY PROTECTED AREAS, WHETHER SUCH SEDIMENTATION IS CAUSED BY WATER, WIND, OR DIRECT DEPOSIT.
- CONTRACTOR SHALL PERFORM CONSTRUCTION SEQUENCING SUCH THAT EARTH MATERIALS ARE EXPOSED FOR A MINIMUM OF TIME BEFORE THEY ARE COVERED, SEEDED, OR OTHERWISE STABILIZED TO PREVENT EROSION.
- UPON COMPLETION OF CONSTRUCTION AND ESTABLISHMENT OF PERMANENT GROUND COVER, CONTRACTOR SHALL REMOVE AND DISPOSE OF EROSION CONTROL MEASURES AND CLEAN SEDIMENT AND DEBRIS FROM ENTIRE DRAINAGE AND SEWER SYSTEMS.
- EROSION CONTROL AND TEMPORARY STORMWATER CONTROL MEASURES SHALL COMPLY WITH THE NEW HAMPSHIRE STORMWATER MANUAL VOLUME 3 - EROSION AND SEDIMENT CONTROL DURING CONSTRUCTION DECEMBER 2008 AND THE NEW HAMPSHIRE DEPARTMENT OF NATURAL AND CULTURAL RESOURCES BEST MANAGEMENT PRACTICES MANUAL FOR UTILITY MAINTENANCE IN AND ADJACENT TO WETLANDS AND WATERBODIES IN NEW HAMPSHIRE, MARCH 2019.
- THE ENVIRONMENTAL CONTROLS SHOWN ON THESE PLANS MAY NEED TO BE SUPPLEMENTED DUE TO SEASON, WEATHER CONDITIONS, OR WORK METHODS.
- THE SELECTED CONTRACTOR IS RESPONSIBLE FOR STREET SWEEPING AT POINTS OF INGRESS/EGRESS FROM PUBLIC AND PRIVATE ROADWAYS.
- ANY EXCESS EXCAVATED MATERIAL THAT CANNOT BE REUSED ON SITE SHALL BE PLACED OUTSIDE OF THE WETLAND AND/OR TIDAL BUFFER ZONE JURISDICTIONAL AREAS.

Existing Conditions Information

- BASE PLAN: THE PROPERTY LINES SHOWN WERE DETERMINED BY AN ACTUAL FIELD SURVEY CONDUCTED BY DOUCET SURVEY. THE TOPOGRAPHY AND PHYSICAL FEATURES ARE BASED ON AN ACTUAL FIELD SURVEY PERFORMED ON THE GROUND BY DOUCET SURVEY, DURING APRIL, MAY AND SEPTEMBER 2022.

A. DELINEATION OF THE WETLANDS AND PLACEMENT OF THE FLAGS WAS PERFORMED BY: MARC JACOBS, CWS 090 IN APRIL 2022. SEE ACCOMPANYING DOUCET SURVEY PLAN SET.

B. FLAGS MARKING THE WETLANDS WERE LOCATED BY: DOUCET SURVEY USING CONVENTIONAL SURVEY METHODS IN JUNE 2022
- TOPOGRAPHY: ELEVATIONS ARE BASED ON NAD83.
- GEOTECHNICAL DATA INCLUDING TEST PIT AND BORING LOCATIONS AND ELEVATIONS WERE OBTAINED FROM S.W. COLE.

Document Use

- THESE PLANS AND CORRESPONDING CADD DOCUMENTS ARE INSTRUMENTS OF PROFESSIONAL SERVICE, AND SHALL NOT BE USED, IN WHOLE OR IN PART, FOR ANY PURPOSE OTHER THAN FOR WHICH IT WAS CREATED WITHOUT THE EXPRESSED, WRITTEN CONSENT OF VHB. ANY UNAUTHORIZED USE, REUSE, MODIFICATION OR ALTERATION, INCLUDING AUTOMATED CONVERSION OF THIS DOCUMENT SHALL BE AT THE USER'S SOLE RISK WITHOUT LIABILITY OR LEGAL EXPOSURE TO VHB.
- CONTRACTOR SHALL NOT RELY SOLELY ON ELECTRONIC VERSIONS OF PLANS, SPECIFICATIONS, AND DATA FILES THAT ARE OBTAINED FROM THE DESIGNERS, BUT SHALL VERIFY LOCATION OF PROJECT FEATURES IN ACCORDANCE WITH THE PAPER COPIES OF THE PLANS AND SPECIFICATIONS THAT ARE SUPPLIED AS PART OF THE CONTRACT DOCUMENTS.
- SYMBOLS AND LEGENDS OF PROJECT FEATURES ARE GRAPHIC REPRESENTATIONS AND ARE NOT NECESSARILY SCALED TO THEIR ACTUAL DIMENSIONS OR LOCATIONS ON THE DRAWINGS. THE CONTRACTOR SHALL REFER TO THE DESIGNER'S SHEET DIMENSIONS, MANUFACTURERS' LITERATURE, SHOP DRAWINGS AND FIELD MEASUREMENTS OF SUPPLIED PRODUCTS FOR LAYOUT OF THE PROJECT FEATURES.



2 Bedford Farms Drive  
Suite 200  
Bedford, NH 03110  
603.391.3900

# Unitil Gas Transmission Pipe Replacement, Right-of-Way Road Replacement, and Appurtenant Station Construction Gerrish Road Dover, New Hampshire

| No. | Revision | Date | Apprd. |
|-----|----------|------|--------|
|     |          |      |        |
|     |          |      |        |
|     |          |      |        |
|     |          |      |        |
|     |          |      |        |

Designed by  
TMD

Checked by  
EKG

Issued for

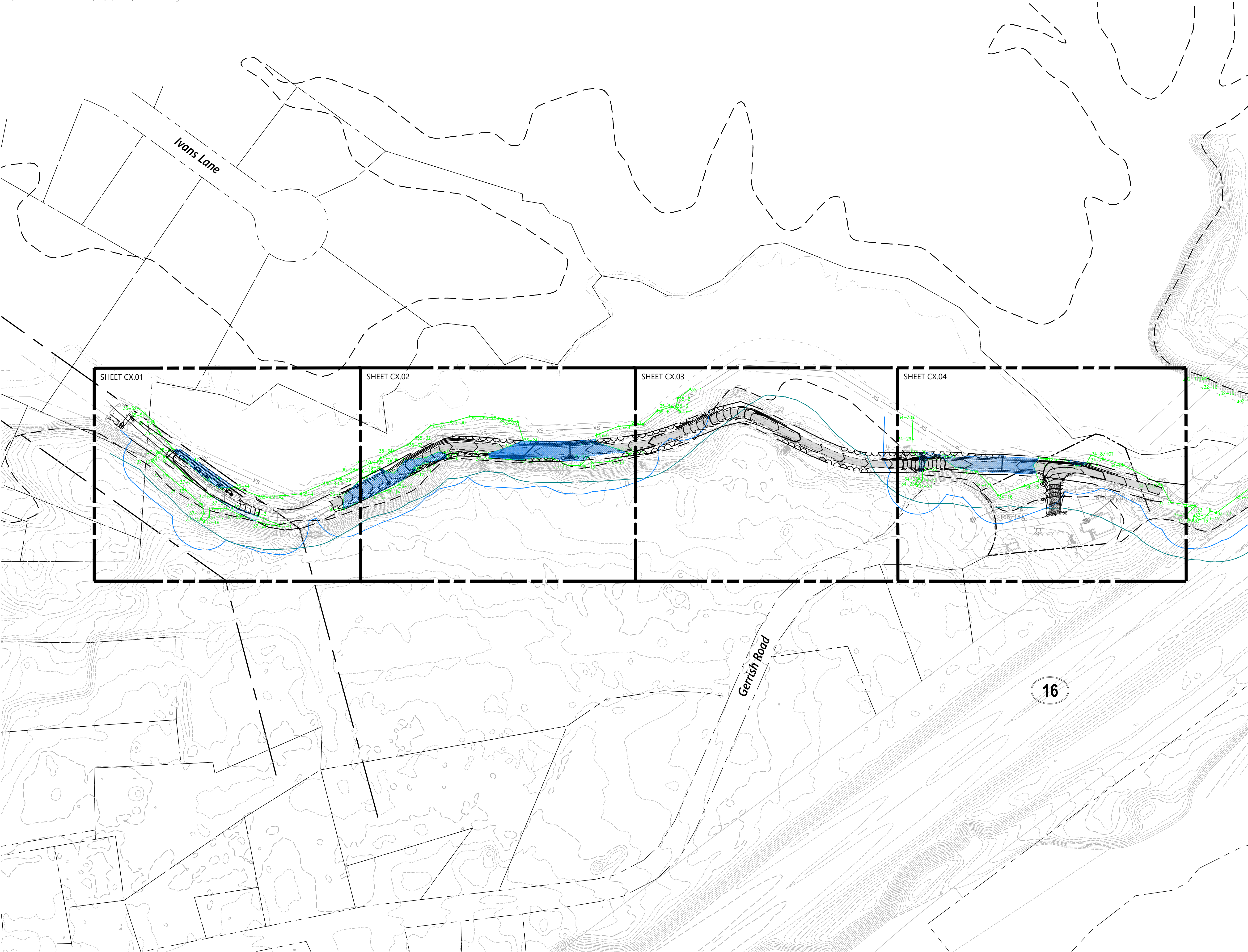
Date

Conditional  
Use Permit  
Not Approved for Construction

Drawing Title  
Legend & General Notes

Drawing Number







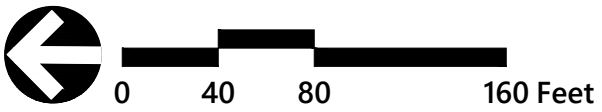
vhb.com

2 Bedford Farms Drive  
Suite 200  
Bedford, NH 03110  
603.391.3900

-  CITY OF DOVER CONSERVATION DISTRICT
-  CITY OF DOVER WETLANDS PROTECTION DISTRICT
-  CITY OF DOVER 50-FOOT WETLAND BUFFER
-  WETLAND IMPACTS

Resource Area Impacts

|                 |       |    |
|-----------------|-------|----|
| WETLAND IMPACTS | 17015 | SF |
|-----------------|-------|----|



Unitil Gas Transmission  
Pipe Replacement,  
Right-of-Way Road  
Replacement, and  
Appurtenant Station  
Construction  
Gerrish Road  
Dover, New Hampshire

| No. | Revision | Date | Apprd. |
|-----|----------|------|--------|
|     |          |      |        |
|     |          |      |        |
|     |          |      |        |
|     |          |      |        |

|             |     |            |             |
|-------------|-----|------------|-------------|
| Designed by | TMD | Checked by | EKG         |
| Issued for  |     | Date       | May 3, 2024 |

Conditional  
Use Permit  
Not Approved for Construction

Overall Site Plan

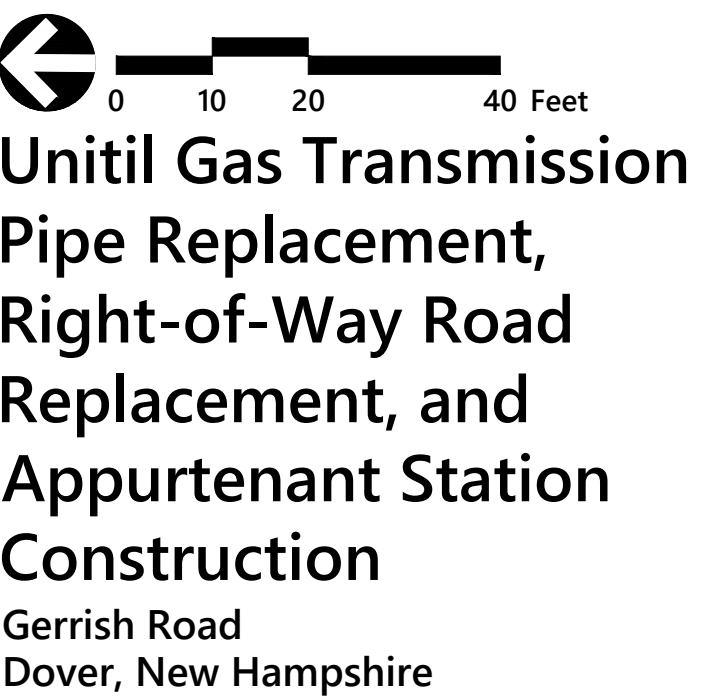
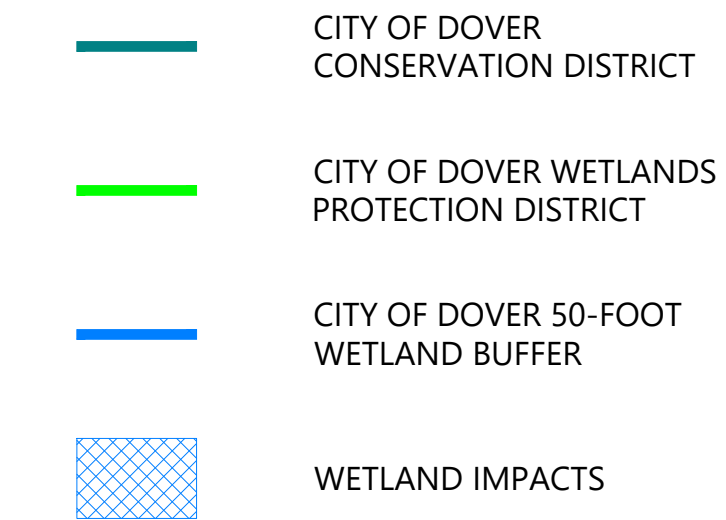
Drawing Number

C2.00

Sheet 2 of 12

Project Number  
16035.00





|                           |                          |
|---------------------------|--------------------------|
| Designed by<br><b>TMD</b> | Checked by<br><b>EKG</b> |
| Issued for                | Date                     |
| <b>Conditional</b>        | <b>May 3, 2024</b>       |

**Conditional**  
**Use Permit**  
Not Approved for Construction

May 3, 2024

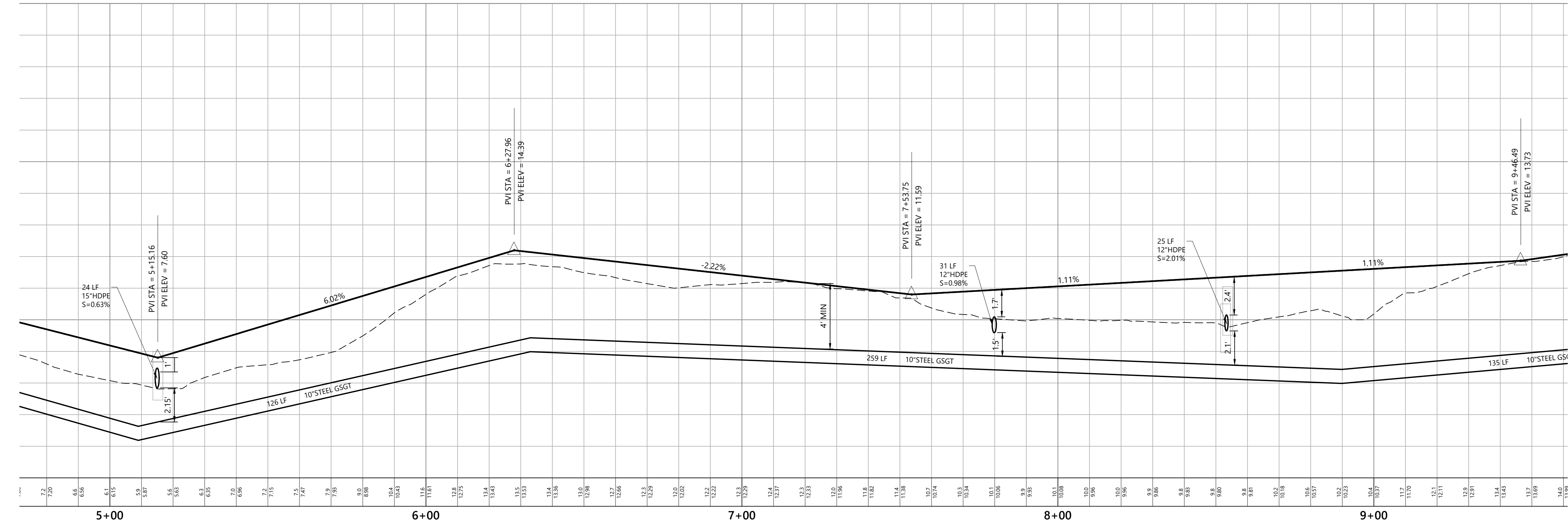
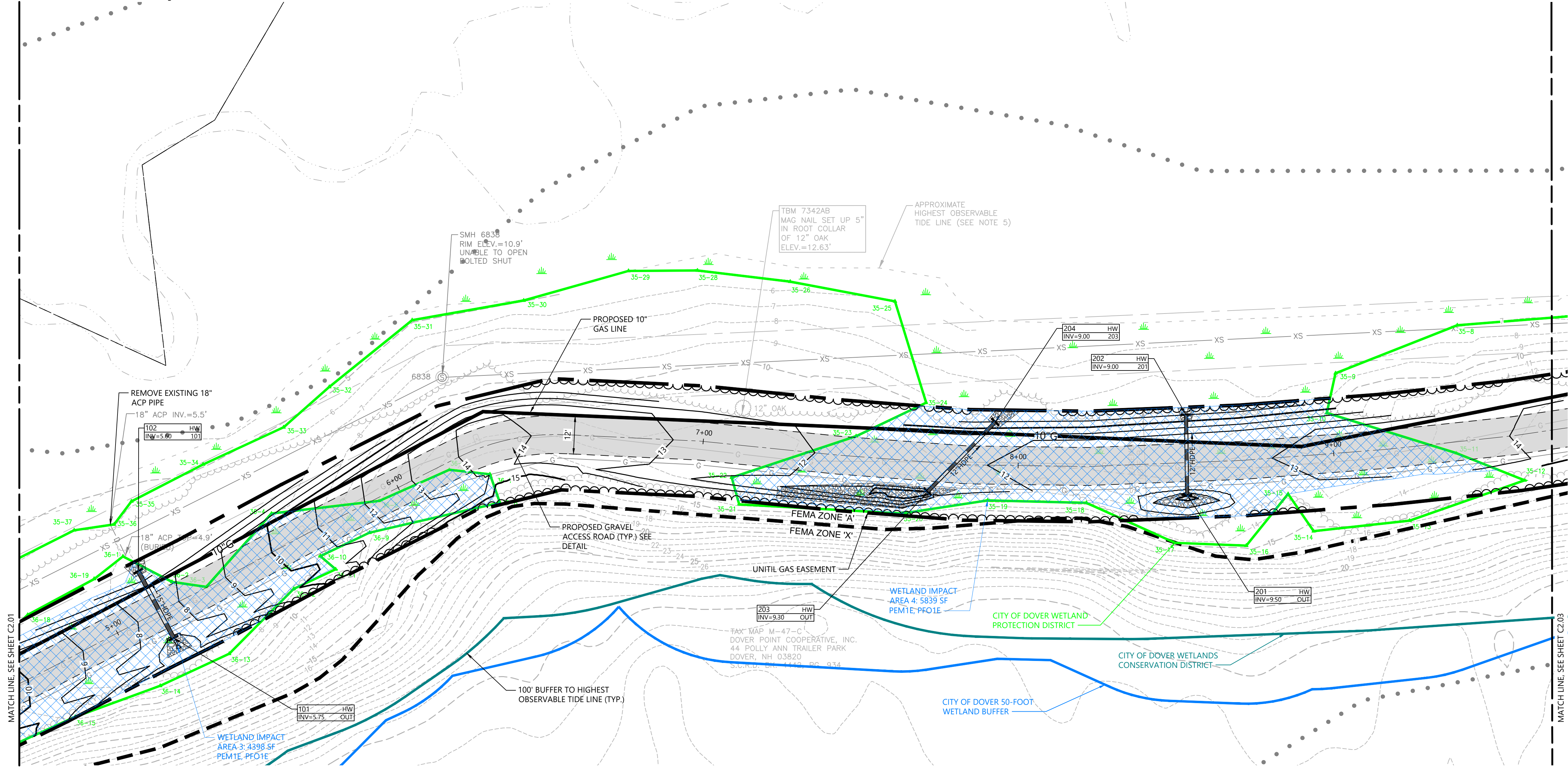
Drawing Number

## C2.01

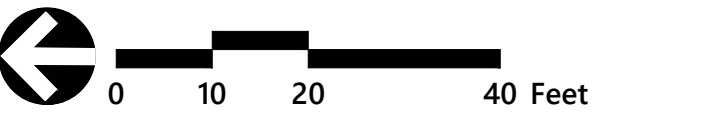
Sheet 3 of 12

Project Number  
16035.00





- CITY OF DOVER CONSERVATION DISTRICT
- CITY OF DOVER WETLANDS PROTECTION DISTRICT
- CITY OF DOVER 50-FOOT WETLAND BUFFER
- WETLAND IMPACTS



## Unitil Gas Transmission Pipe Replacement, Right-of-Way Road Replacement, and Appurtenant Station Construction

Gerrish Road  
Dover, New Hampshire

| No. | Revision | Date | Appr'd. |
|-----|----------|------|---------|
|     |          |      |         |
|     |          |      |         |
|     |          |      |         |
|     |          |      |         |
|     |          |      |         |

|             |     |            |             |
|-------------|-----|------------|-------------|
| Designed by | TMD | Checked by | EKG         |
| Issued for  |     | Date       | May 3, 2024 |

Conditional  
Use Permit  
Not Approved for Construction

Drawing Title  
**Site Plan 2**

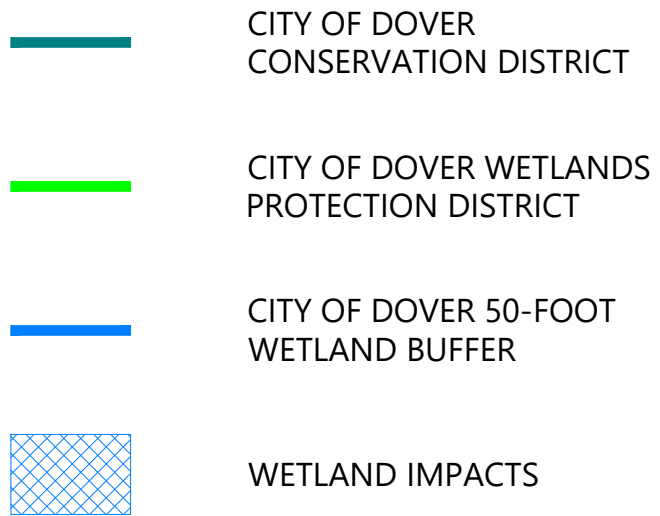
Drawing Number

**C2.02**

Sheet 4 of 12

Project Number  
16035.00





A number line is shown with a starting point at 0 and a direction arrow pointing left. The line is marked at 0, 10, 20, and 40 Feet.

Gerrish Road  
Dover, New Hampshire

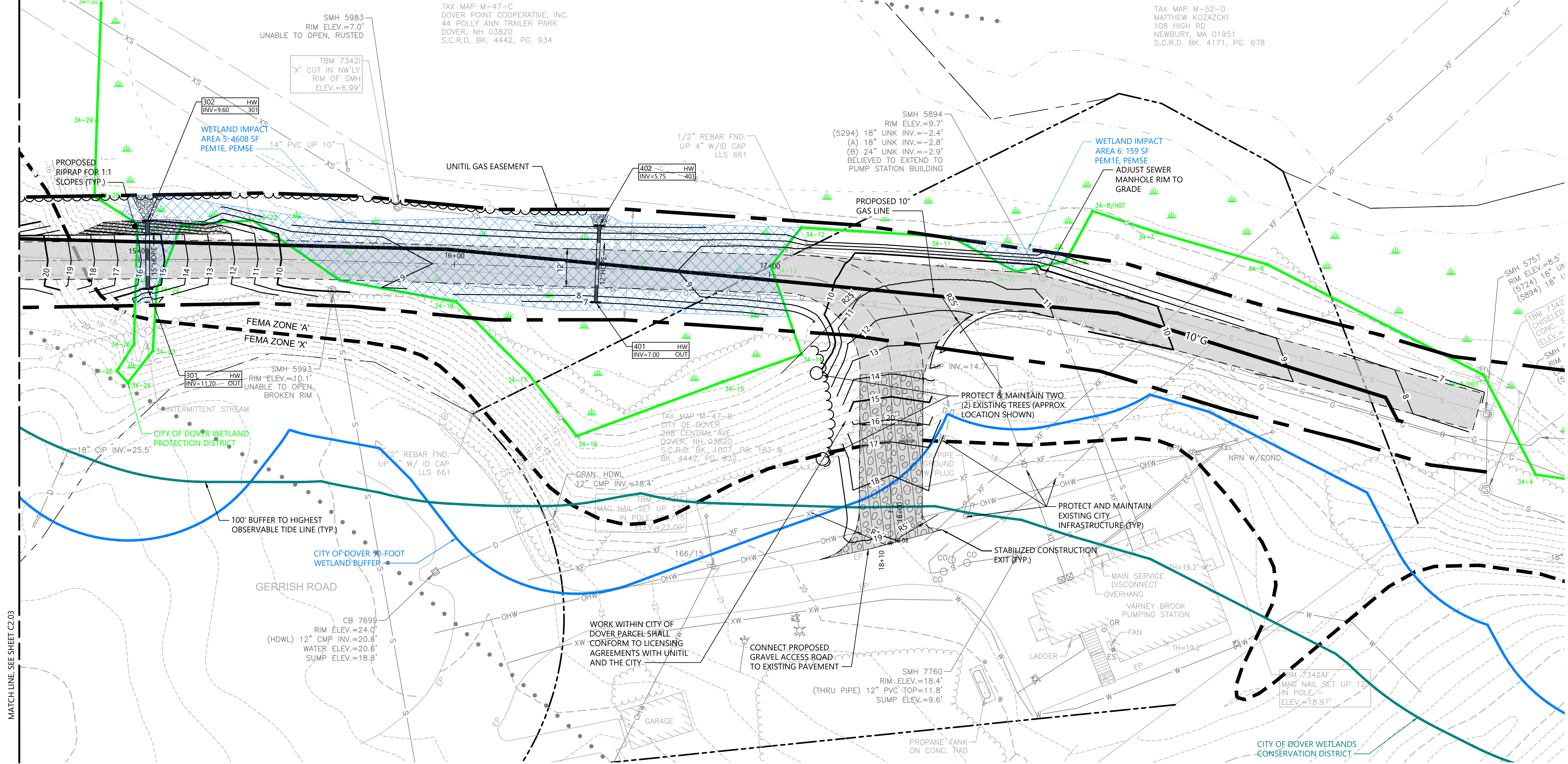
|             |     |            |     |
|-------------|-----|------------|-----|
| Designed by | TMD | Checked by | EKG |
|-------------|-----|------------|-----|

Drawing Title

# Site Plan 3

# C2.03

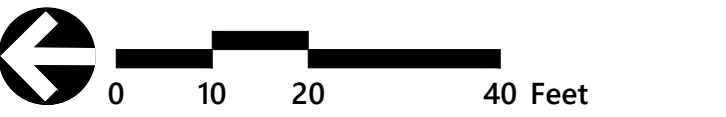






2 Bedford Farms Drive  
Suite 200  
Bedford, NH 03110  
603.391.3900

- CITY OF DOVER CONSERVATION DISTRICT
- CITY OF DOVER WETLANDS PROTECTION DISTRICT
- CITY OF DOVER 50-FOOT WETLAND BUFFER
- WETLAND IMPACTS



# Unitil Gas Transmission Pipe Replacement, Right-of-Way Road Replacement, and Appurtenant Station Construction

Gerrish Road  
Dover, New Hampshire

| No. | Revision | Date | Appvd. |
|-----|----------|------|--------|
|     |          |      |        |
|     |          |      |        |
|     |          |      |        |
|     |          |      |        |

|             |     |            |             |
|-------------|-----|------------|-------------|
| Designed by | TMD | Checked by | EKG         |
| Issued for  |     | Date       | May 3, 2024 |

Conditional Use Permit  
Not Approved for Construction

Drawing Title  
Site Plan 4

Drawing Number

C2.04

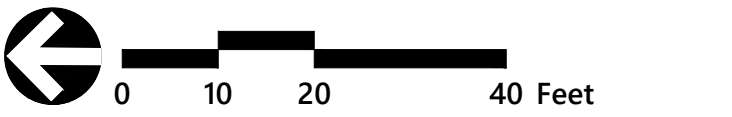
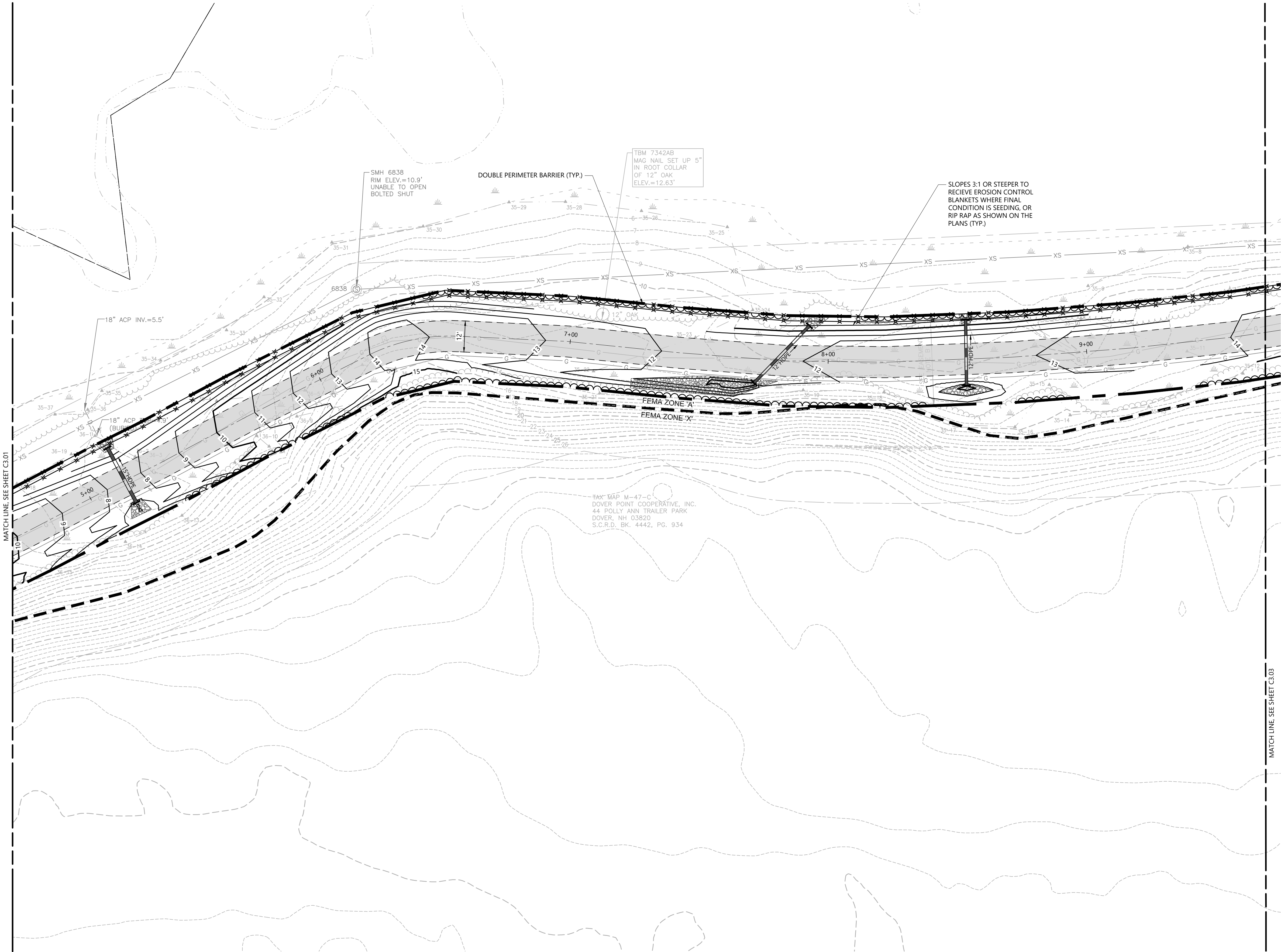
Sheet 6 of 12

Project Number  
16035.00









**Unitil Gas Transmission  
Pipe Replacement,  
Right-of-Way Road  
Replacement, and  
Appurtenant Station  
Construction**  
Gerrish Road  
Dover, New Hampshire

| No. | Revision | Date | Apprd. |
|-----|----------|------|--------|
|     |          |      |        |
|     |          |      |        |
|     |          |      |        |
|     |          |      |        |

|             |     |            |             |
|-------------|-----|------------|-------------|
| Designed by | TMD | Checked by | EKG         |
| Issued for  |     | Date       | May 3, 2024 |

**Conditional  
Use Permit**  
Not Approved for Construction

Drawing Title  
**Erosion & Sediment  
Control Plan 2**

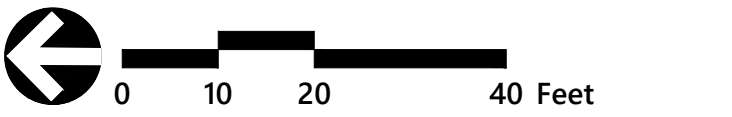
Drawing Number

**C3.02**

Sheet 8 of 12

Project Number  
16035.00





Unitil Gas Transmission  
Pipe Replacement,  
Right-of-Way Road  
Replacement, and  
Appurtenant Station  
Construction  
Gerrish Road  
Dover, New Hampshire

| No. | Revision | Date | Appvd. |
|-----|----------|------|--------|
|     |          |      |        |
|     |          |      |        |
|     |          |      |        |
|     |          |      |        |

|             |     |            |             |
|-------------|-----|------------|-------------|
| Designed by | TMD | Checked by | EKG         |
| Issued for  |     | Date       | May 3, 2024 |

Conditional  
Use Permit  
Not Approved for Construction

Drawing Title

Erosion & Sediment  
Control Plan 3

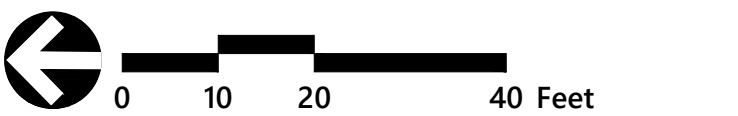
Drawing Number

C3.03

Sheet 9 of 12

Project Number  
16035.00





Gerrish Road  
Dover, New Hampshire

---

---

---

---

---

---

Conditional May 3, 2024

Drawing Title

Drawing Number

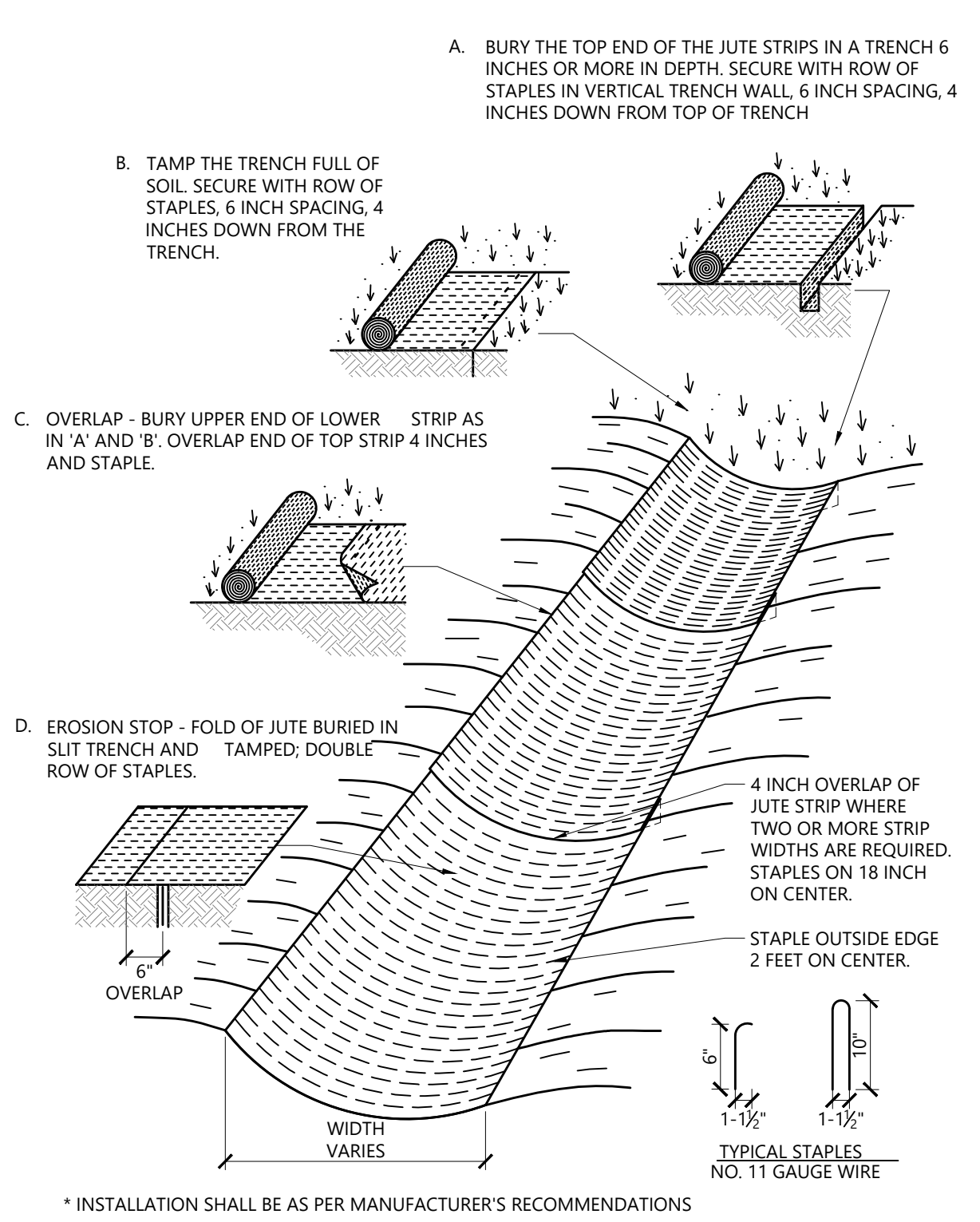
Sheet 10 of 12

Project Number  
**16035.00**

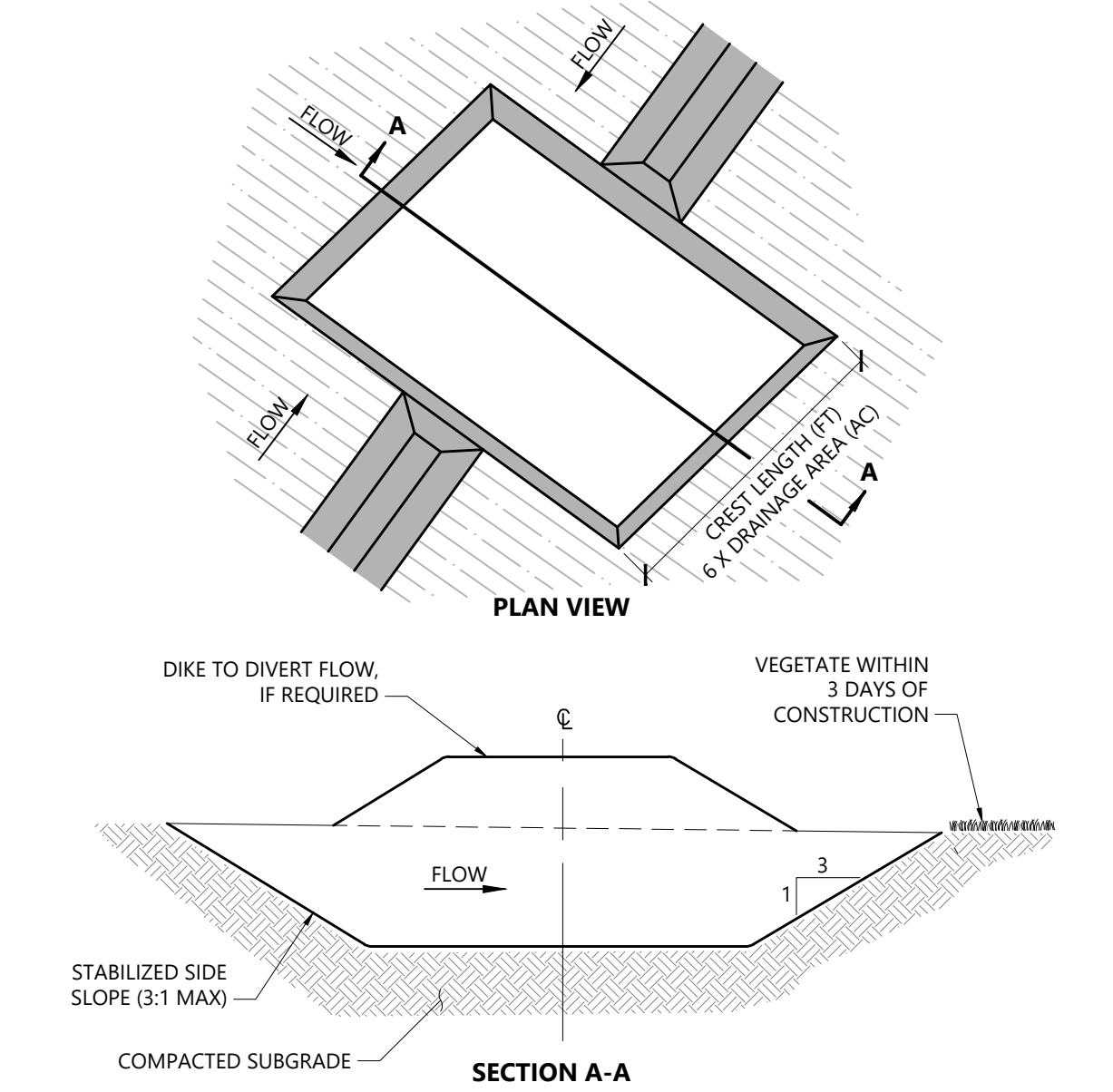






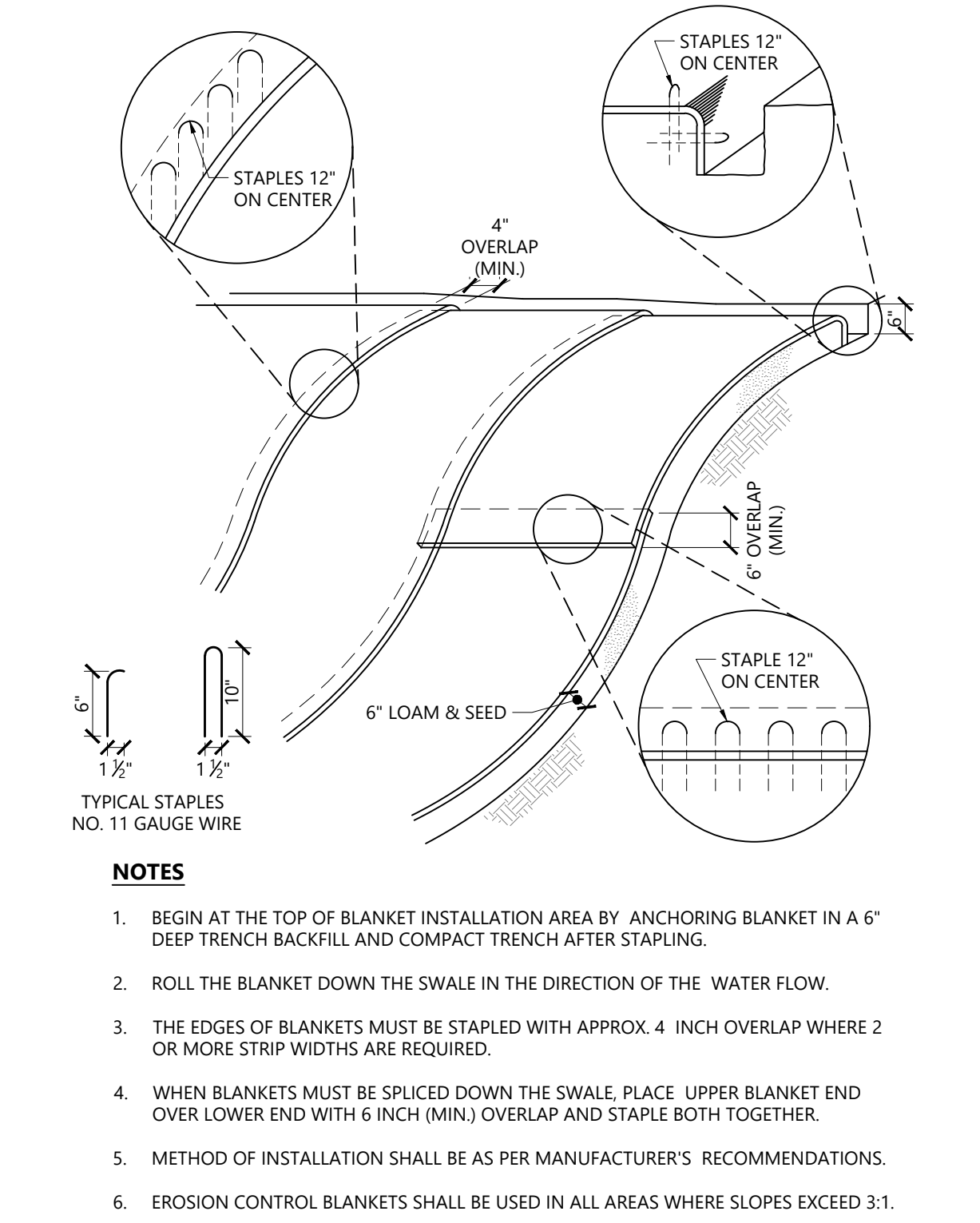


**Erosion Control Blanket Swale Installation** 1/16  
N.T.S. Source: VHB LD\_681

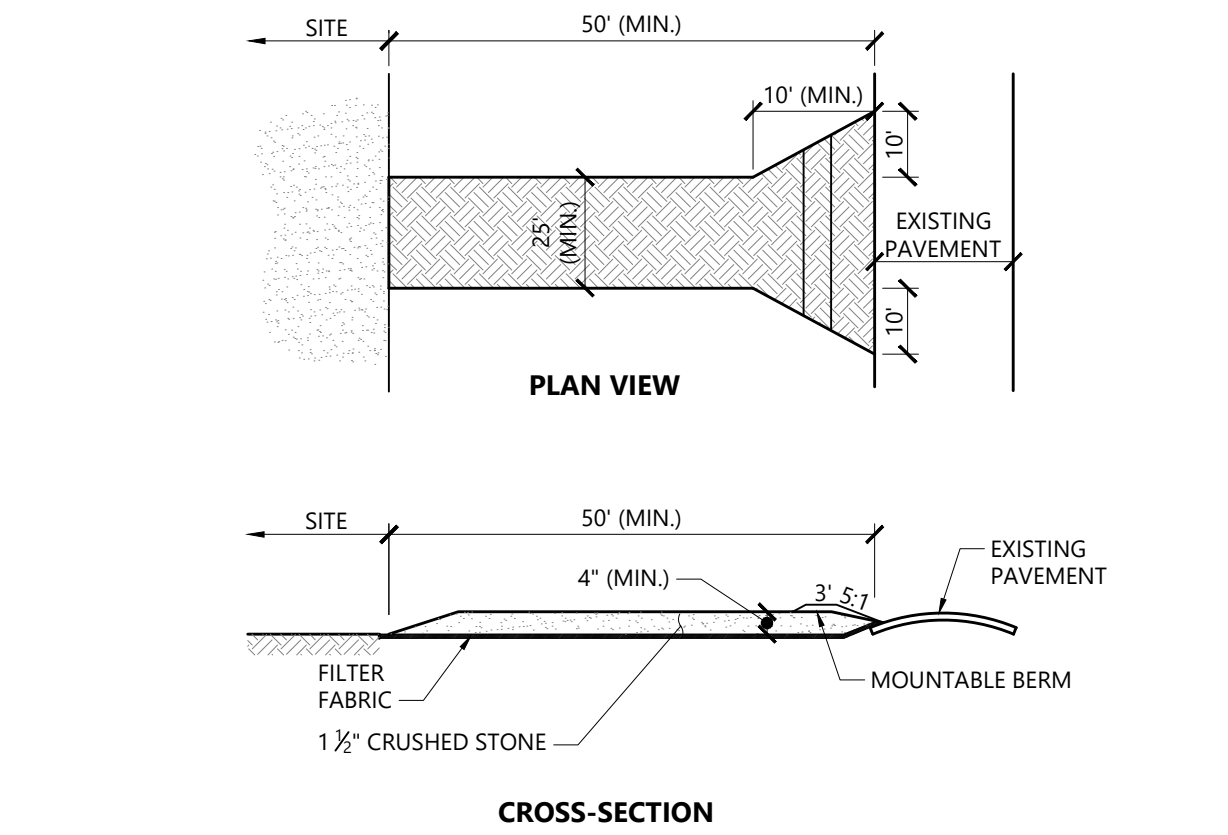


- NOTES**
- TEMPORARY SEDIMENT TRAP TO BE REMOVED UPON APPROVAL OF ENGINEER AND WHEN ALL UPSTREAM AREAS HAVE BEEN STABILIZED.
  - DESIGN AND MAINTENANCE REQUIREMENTS SHALL BE IN ACCORDANCE WITH ENV-WQ 1506.10. WHICH INCLUDE, BUT ARE NOT LIMITED TO:
    - MINIMUM SEDIMENT STORAGE FOR SEDIMENT BASIN SHOULD BE 3,600 CF PER ACRE OF DRAINAGE AREA (MAXIMUM CONTRIBUTING AREA OF 5 ACRES).
    - SEDIMENT TRAP SHALL BE CLEANED WHEN 50 PERCENT OF THE ORIGINAL VOLUME IS FILLED.

**Temporary Sediment Trap** 3/18  
N.T.S. Source: LD\_

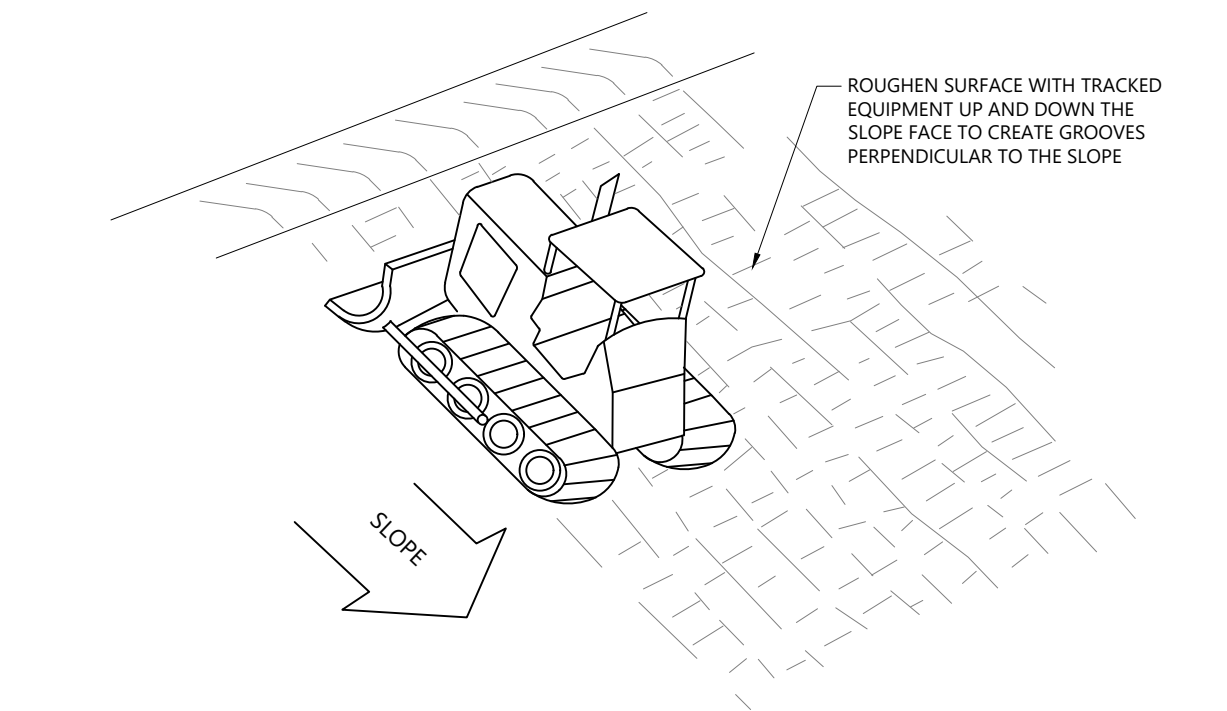


**Erosion Control Blanket Slope Installation** 10/20  
N.T.S. Source: VHB LD\_680



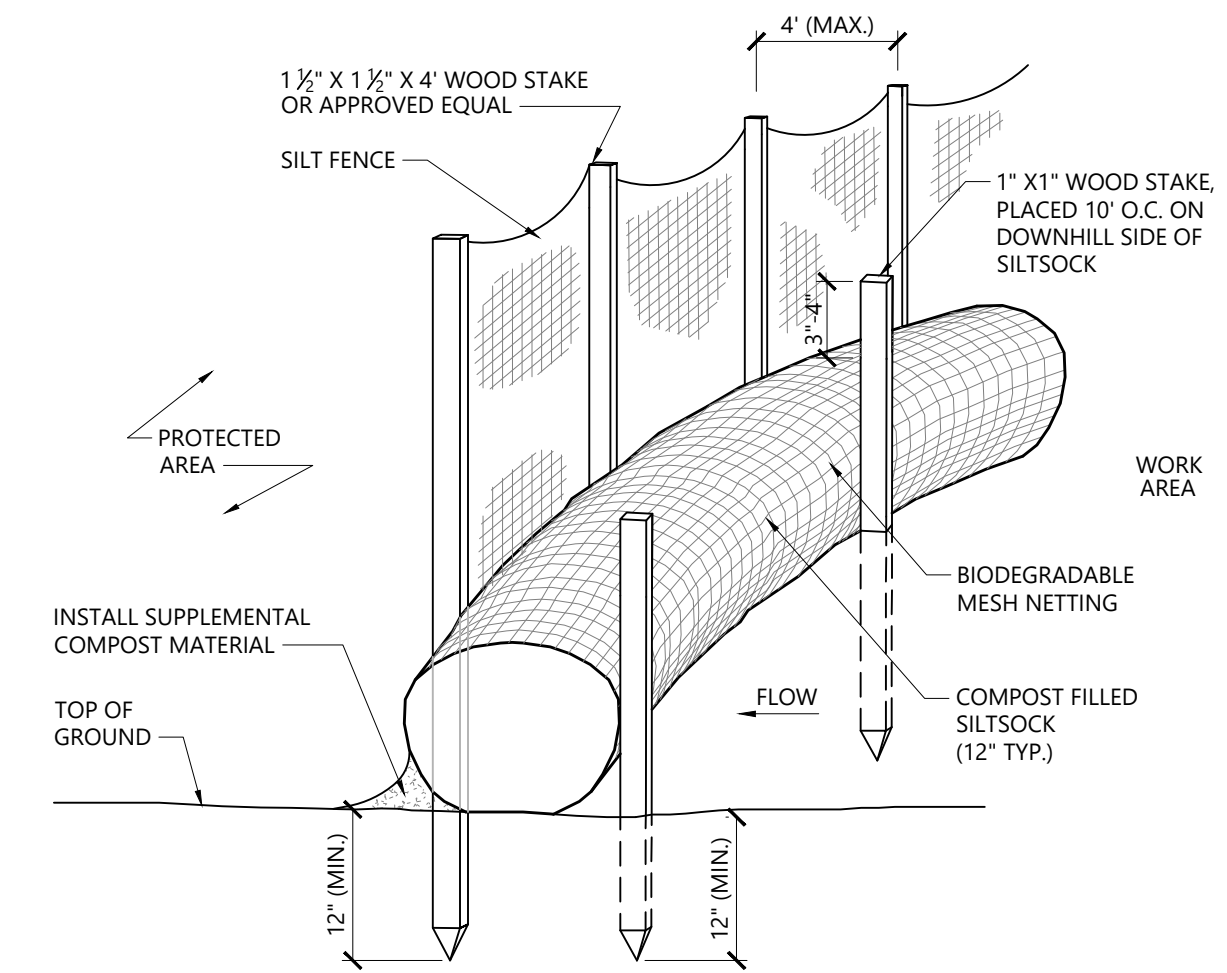
- NOTES**
- EXIT WIDTH SHALL BE A TWENTY-FIVE (25) FOOT MINIMUM, BUT NOT LESS THAN THE FULL WIDTH AT POINTS WHERE INGRESS OR EGRESS OCCURS.
  - THE EXIT SHALL BE MAINTAINED IN A CONDITION WHICH SHALL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHTS-OF-WAY. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH ADDITIONAL STONE AS CONDITIONS DEMAND AND REPAIR OR CLEANOUT OF ANY MEASURES USED TO TRAP SEDIMENT. ALL SEDIMENT SPILLED, DROPPED, WASHED OR TRACKED ONTO PUBLIC RIGHTS-OF-WAY MUST BE REMOVED IMMEDIATELY. BERM SHALL BE PERMITTED, PERIODIC INSPECTION AND MAINTENANCE SHALL BE PROVIDED AS NEEDED.
  - STABILIZED CONSTRUCTION EXIT SHALL BE REMOVED PRIOR TO FINAL FINISH MATERIALS BEING INSTALLED.

**Stabilized Construction Exit** 1/16  
N.T.S. Source: VHB LD\_682



- NOTE**
- SLOPES WITH A GRADE STEEPER THAN A 3:1 SLOPE SHALL REQUIRE SLOPE TRACKING IF THE STABILIZATION METHOD IS AN EROSION CONTROL BLANKET AND/OR HYDROSEEDING.

**Slope Tracking** 10/20  
N.T.S. Source: VHB LD\_693



- NOTES**
- SILT SOCK SHALL BE FILTREXX SILT SOXX, OR APPROVED EQUAL.
  - SILT SOCKS SHALL OVERLAP A MINIMUM OF 12 INCHES.
  - SILT SOCK SHALL BE INSPECTED PERIODICALLY AND AFTER ALL STORM EVENTS, AND REPAIR OR REPLACEMENT SHALL BE PERFORMED PROMPTLY AS NEEDED.
  - UPON SITE STABILIZATION, COMPOST MATERIAL SHALL BE DISPERSED ON SITE, AS DETERMINED BY THE ENGINEER.
  - IF NON BIODEGRADABLE NETTING IS USED THE NETTING SHALL BE COLLECTED AND DISPOSED OF OFFSITE.

**Double Perimeter Barrier** 10/20  
N.T.S. Source: VHB REV LD\_658-A

- Erosion Control**
- PRIOR TO STARTING ANY OTHER WORK ON THE SITE, THE CONTRACTOR SHALL NOTIFY APPROPRIATE AGENCIES AND SHALL INSTALL EROSION CONTROL MEASURES AS SHOWN ON THE PLANS AND AS IDENTIFIED IN FEDERAL, STATE, AND LOCAL APPROVAL DOCUMENTS PERTAINING TO THIS PROJECT.
  - CONTRACTOR SHALL INSPECT AND MAINTAIN EROSION CONTROL MEASURES, AND REMOVE SEDIMENT THEREFROM ON A WEEKLY BASIS AND WITHIN TWELVE HOURS AFTER EACH STORM EVENT (0.5" OF RAINFALL OR GREATER) AND DISPOSE OF SEDIMENTS IN AN UPLAND AREA SUCH THAT THEY DO NOT ENCUMBER OTHER DRAINAGE STRUCTURES AND PROTECTED AREAS.
  - CONTRACTOR SHALL BE FULLY RESPONSIBLE TO CONTROL CONSTRUCTION SUCH THAT SEDIMENTATION SHALL NOT AFFECT REGULATORY PROTECTED AREAS, WHETHER SUCH SEDIMENTATION IS CAUSED BY WATER, WIND, OR DIRECT DEPOSIT.
  - CONTRACTOR SHALL PERFORM CONSTRUCTION SEQUENCING SUCH THAT EARTH MATERIALS ARE EXPOSED FOR A MINIMUM OF TIME BEFORE THEY ARE COVERED, SEEDED, OR OTHERWISE STABILIZED TO PREVENT EROSION.
  - UPON COMPLETION OF CONSTRUCTION AND ESTABLISHMENT OF PERMANENT GROUND COVER, CONTRACTOR SHALL REMOVE AND DISPOSE OF EROSION CONTROL MEASURES AND CLEAN SEDIMENT AND DEBRIS FROM ENTIRE DRAINAGE AND SEWER SYSTEMS.
  - AREAS REMAINING UNSTABILIZED FOR A PERIOD OF MORE THAN 30 DAYS SHALL BE TEMPORARILY SEEDED AND MULCHED. STRAW MULCH SHALL BE APPLIED AT A MINIMUM RATE OF 1-1/2 TONS/ACRE.
  - PERMANENT SEEDING SHALL OCCUR BETWEEN APRIL 1 AND JUNE 1, AND/OR BETWEEN AUGUST 15 AND OCTOBER 15. ALL SEEDING FROM SEPTEMBER 15 SHALL BE STRAW MULCHED.
  - DUST SHALL BE CONTROLLED THROUGH THE USE OF WATER.
  - SOILS TO BE STOCKPILED FOR A PERIOD OF MORE THAN 30 DAYS SHALL BE TEMPORARILY SEEDED AND MULCHED. CONTRACTOR SHALL INSTALL SILT FENCING ALONG DOWNHILL SIDE OF STOCKPILES.
  - CONTRACTOR SHALL PROVIDE TEMPORARY SEDIMENTATION BASINS TO CONTROL SEDIMENTATION AND STORMWATER RUNOFF DURING THE CONSTRUCTION PERIOD. THE CONTRACTOR SHALL SUBMIT PROPOSED BASIN LOCATIONS, DESIGNS, ETC. TO THE ENGINEER FOR REVIEW PRIOR TO CONSTRUCTION. TEMPORARY SEDIMENTATION BASINS SHALL MEET NHDES REQUIREMENTS.
  - CONTRACTOR SHALL PROVIDE NECESSARY EROSION CONTROL MEASURES TO INSURE THAT SURFACE WATER RUN-OFF FROM UNSTABILIZED AREAS DOES NOT CARRY SILT, SEDIMENT, AND OTHER DEBRIS OUTSIDE OF THE LIMITS OF WORK.
  - AN AREA SHALL BE CONSIDERED STABLE IF ONE OF THE FOLLOWING HAS OCCURRED:
    - BASE COURSE GRAVELS HAVE BEEN INSTALLED IN AREAS TO BE PAVED;
    - A MINIMUM OF 85% VEGETATED GROWTH HAS BEEN ESTABLISHED;
    - A MINIMUM OF 3-IN OF NON-EROSIVE MATERIAL, SUCH AS STONE OR RIPRAP, HAS BEEN INSTALLED;
    - EROSION CONTROL BLANKETS HAVE BEEN PROPERLY INSTALLED.
  - CONTRACTOR SHALL INSPECT AND MAINTAIN EROSION CONTROL MEASURES ON A WEEKLY BASIS (MINIMUM) OR AS REQUIRED PER THE STORMWATER POLLUTION PREVENTION PLAN (SWPPP). THE CONTRACTOR SHALL ADDRESS DEFICIENCIES AND MAINTENANCE ITEMS WITHIN TWENTY-FOUR HOURS OF INSPECTION. CONTRACTOR SHALL PROPERLY DISPOSE OF SEDIMENT SUCH THAT IT DOES NOT ENCUMBER OTHER DRAINAGE STRUCTURES AND PROTECTED AREAS.
  - ALL DITCHES, SWALES, AND DRAINAGE BASINS SHALL BE STABILIZED PRIOR TO DIRECTING RUNOFF TO THEM.
  - ALL ROADWAYS AND PARKING LOTS SHALL BE STABILIZED WITHIN 72 HOURS OF ACHIEVING FINISHED GRADE.
  - ALL CUT AND FILL SLOPES SHALL BE LOAMED AND SEEDED WITHIN 72 HOURS OF ACHIEVING FINISHED GRADE.
  - EROSION CONTROL BLANKETS SHALL BE INSTALLED ON ALL SLOPES THAT ARE STEEPER THAN 3-FT HORIZONTAL AND 1-FT VERTICAL (3:1). EROSION CONTROL BLANKETS SHALL BE NORTH AMERICAN GREEN SCT50BN, OR APPROVED EQUAL. ANY ALTERNATIVE NETTING MUST CONSIST ENTIRELY OF NATURAL FIBERS.
  - THE PROJECT SHALL BE MANAGED IN A MANNER THAT MEETS THE REQUIREMENTS AND INTENT OF RSA 430:53 AND CHAPTER AGR 3800 RELATIVE TO INVASIVE SPECIES.
  - TEMPORARY WATER DIVERSION SWALES, BASINS, AND OTHER TEMPORARY BMPS SHALL BE INSTALLED EARLY IN THE CONSTRUCTION PROCESS, BEFORE ROUGH GRADING.

- Restoration of Disturbed Areas**
- THE INTRODUCTION OR SPREAD OF INVASIVE PLANT SPECIES IN DISTURBED AREAS SHALL BE CONTROLLED. IF CONSTRUCTION MATS ARE TO BE USED IN AREAS OF INVASIVE PLANT SPECIES, THEY SHALL BE THOROUGHLY CLEANED BEFORE RE-USE.
  - UPON COMPLETION OF CONSTRUCTION, ALL AREAS OF AUTHORIZED DISTURBED WETLAND AREA SHALL BE STABILIZED WITH A WETLAND SEED MIX CONTAINING "NORTHEAST ANNUAL & PERENNIAL WILDFLOWER MIX" FOR UPLANDS AND "FACW WETLAND MEADOW MIX" FOR WETLANDS OR APPROVED EQUIVALENT.

- Winter Construction**
- ALL PROPOSED VEGETATED AREAS WHICH DO NOT EXHIBIT A MINIMUM OF 85% VEGETATIVE GROWTH BY OCTOBER 15TH, OR WHICH ARE DISTURBED AFTER OCTOBER 15TH, SHALL BE STABILIZED. STABILIZATION METHODS SHALL INCLUDE SEEDING AND INSTALLING EROSION CONTROL BLANKETS ON SLOPES GREATER THAN 3:1, AND SEEDING AND PLACING 3 TO 4 TONS OF MULCH PER ACRE. SECURED WITH ANCHORED NETTING, ELSEWHERE. THE INSTALLATION OF EROSION CONTROL BLANKETS OR MULCH AND NETTING SHALL NOT OCCUR OVER ACCUMULATED SNOW OR FROZEN GROUND AND SHALL BE COMPLETED IN ADVANCE OF THAW OR SPRING MELT EVENTS.
  - ALL DITCHES OR SWALES WHICH DO NOT EXHIBIT A MINIMUM OF 85% VEGETATIVE GROWTH BY OCTOBER 15TH, OR WHICH ARE DISTURBED AFTER OCTOBER 15TH, SHALL BE TEMPORARILY STABILIZED WITH STONE OR EROSION CONTROL BLANKETS APPROPRIATE FOR THE DESIGN FLOW CONDITIONS.
  - AFTER OCTOBER 15TH, INCOMPLETE ROAD OR PARKING SURFACES, WHERE WORK HAS STOPPED FOR THE WINTER SEASON, SHALL BE PROTECTED WITH A MINIMUM OF 3 INCHES OF CRUSHED GRAVEL (NHDOT 304.3).

## Unitil Gas Transmission Pipe Replacement, Right-of-Way Road Replacement, and Appurtenant Station Construction

Gerrish Road  
Dover, New Hampshire

| No. | Revision | Date | Apprvd. |
|-----|----------|------|---------|
|-----|----------|------|---------|

|  |  |  |  |
|--|--|--|--|
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |

|             |     |            |     |
|-------------|-----|------------|-----|
| Designed by | TMD | Checked by | EKG |
| Issued for  |     | Date       |     |

### Conditional Use Permit Not Approved for Construction

### Site Details 2

Drawing Number

C4.02

Sheet 12 of 12

Project Number  
16035.00



## Kaspari, Jackson

---

**From:** Kaspari, Jackson  
**Sent:** Thursday, May 2, 2024 3:43 PM  
**To:** Storer, John; Williams, Lindsey  
**Cc:** Joyal, Michael; Wyatt, Joshua; Benton, Donna  
**Subject:** RE: A proposal to privatize native plants  
**Attachments:** ConsideringCCTreePlanting\_NFCH\_wp\_June2023.pdf

Councilor Williams and Director Storer,

I'm happy to included this as an agenda item for discussion at the May 13<sup>th</sup> Conservation Commission meeting.

I also agree this is very well-intentioned but echo the concerns of ensuring this is realistic and that options remain for situations where a non-native species may offer greater overall enviromental benefits. Climate change is resulting in shifting plant heat and hardiness zones, species migration and stress on forests. Vegetation that is considered native now may not be able to thrive here in the future. That said, there are plenty of hardy native species that will do just fine. We just have to be thoughtful on selection.

I've attached a white paper from the USDA Northern Forests Climate Hub that seems to be a quality resource we could utilize for trees.

Additionally, I cross checked the street tree list with a list of native NH trees from UNH Cooperative Extension. On the list of suitable street trees only 15/35 (43%) are native to NH.

Thank you,  
Jackson

---

**Jackson Kaspari, Ph.D.**

**Resilience Manager**

City of Dover, NH  
288 Central Avenue  
Dover, NH 03820-4169  
e: [j.kaspari@dover.nh.gov](mailto:j.kaspari@dover.nh.gov)  
p: 603.516.6008 f: 603.516.6049

**Resilient Dover Page:**  
<https://bit.ly/ResilientDover>

**Check out the Dover Download Podcast Series:**  
<https://anchor.fm/cityofdovernh>

---

**From:** Storer, John <[J.Storer@dover.nh.gov](mailto:J.Storer@dover.nh.gov)>  
**Sent:** Thursday, April 25, 2024 11:43 AM  
**To:** Williams, Lindsey <[L.Williams@dover.nh.gov](mailto:L.Williams@dover.nh.gov)>  
**Cc:** Kaspari, Jackson <[J.Kaspari@dover.nh.gov](mailto:J.Kaspari@dover.nh.gov)>; Joyal, Michael <[M.Joyal@dover.nh.gov](mailto:M.Joyal@dover.nh.gov)>; Wyatt, Joshua <[J.Wyatt@dover.nh.gov](mailto:J.Wyatt@dover.nh.gov)>  
**Subject:** RE: A proposal to privatize native plants



Councilor Williams,

I wanted to thank you and offer my support for having the Con Comm review the proposal. It sounds like a very well-intentioned proposal, but I want to make sure there is clarity on how it might impact our list of approved Street Trees, or the Adopt-A-Spot Program that Dover Main Street manages. We certainly strive to embrace native species, but we've been trying to research vegetative options for roadside installations that might have a higher tolerance level to winter salts & chlorides. Similarly, I'd want to make sure that we aren't eliminating any type of beneficial vegetation that might help with erosion control measures or stormwater BMP's.

Copying Jackson Kaspari, as he has always been helpful in verifying appropriate vegetation suggestions. I know in the past we've modified some of our Street Tree selections in response to concerns from residents that native species weren't being optimized. For reference, I attached one such email.

**John Storer**  
**Director of Community Services**  
**City of Dover, NH**  
271 Mast Rd.  
Dover, NH 03820-4169  
e: [j.storer@doover.nh.gov](mailto:j.storer@doover.nh.gov)  
p: 603.516.6450 f: 603.516.6463

***Dover: First in New Hampshire, First with you!***  
<http://www.dover.nh.gov>

---

**From:** Williams, Lindsey <[L.Williams@doover.nh.gov](mailto:L.Williams@doover.nh.gov)>  
**Sent:** Wednesday, April 24, 2024 8:44 PM  
**To:** Joyal, Michael <[M.Joyal@doover.nh.gov](mailto:M.Joyal@doover.nh.gov)>; Carrier, Robert <[R.Carrier@doover.nh.gov](mailto:R.Carrier@doover.nh.gov)>; liz goldman <[lizdoverschoolboard@gmail.com](mailto:lizdoverschoolboard@gmail.com)>; Shanahan, Dennis <[D.Shanahan@doover.nh.gov](mailto:D.Shanahan@doover.nh.gov)>  
**Cc:** Storer, John <[J.Storer@doover.nh.gov](mailto:J.Storer@doover.nh.gov)>; Wyatt, Joshua <[J.Wyatt@doover.nh.gov](mailto:J.Wyatt@doover.nh.gov)>  
**Subject:** Re: A proposal to privatize native plants

Thank you - before we go forward with bringing this in front of the Council, I'd like to hear a little more from City staff about the recommendations of an appropriate % target as well as time to develop a little additional background to make this more specific and something that we can commit to following. I don't see a need to rush this to the May 8th meeting as I also would like the Conservation Commission to have a chance to review it as well.

Best,

Lindsey

**Lindsey Williams (she/her)**  
**City Councilor, At Large**  
City of Dover, NH  
288 Central Avenue  
Dover, NH 03820-4169  
e: [l.williams@doover.nh.gov](mailto:l.williams@doover.nh.gov)  
p: 603.534.2119



**Dover: First in New Hampshire, First with you!**

<http://www.dover.nh.gov>

---

**From:** Joyal, Michael

**Sent:** Wednesday, April 24, 2024 6:29 PM

**To:** Williams, Lindsey; Carrier, Robert; liz goldman; Shanahan, Dennis

**Cc:** Storer, John; Wyatt, Joshua

**Subject:** RE: A proposal to privatize native plants

Mayor Carrier, Councilor Williams, Councilor Warach and Liz:

Both Councilors Williams and Warach have indicated that they wish to introduce the suggested resolution at an upcoming Council meeting. I will arrange to have the resolution prepared and properly formatted for placement on the May 8<sup>th</sup> agenda. In doing so, please let me know if there is any reference or other supporting material that should be included in the background text that accompanies the resolution to further explain the intent.

**J. Michael Joyal, Jr.**

**City Manager**

City of Dover, NH

288 Central Avenue

Dover, NH 03820-4169

e. [m.joyal@dover.nh.gov](mailto:m.joyal@dover.nh.gov)

p: 603-516-6023 f: 603-516-6049

**Dover: First in New Hampshire, First with you!**

<http://www.dover.nh.gov>

---

**From:** Williams, Lindsey <[L.Williams@dover.nh.gov](mailto:L.Williams@dover.nh.gov)>

**Sent:** Friday, April 19, 2024 9:29 AM

**To:** Carrier, Robert <[R.Carrier@dover.nh.gov](mailto:R.Carrier@dover.nh.gov)>; liz goldman <[lizdoverschoolboard@gmail.com](mailto:lizdoverschoolboard@gmail.com)>; Shanahan, Dennis



<[D.Shanahan@dover.nh.gov](mailto:D.Shanahan@dover.nh.gov)>

**Cc:** Joyal, Michael <[M.Joyal@dover.nh.gov](mailto:M.Joyal@dover.nh.gov)>; Storer, John <[J.Storer@dover.nh.gov](mailto:J.Storer@dover.nh.gov)>; Wyatt, Joshua <[J.Wyatt@dover.nh.gov](mailto:J.Wyatt@dover.nh.gov)>

**Subject:** Re: A proposal to privatize native plants

Good morning Liz and Bob,

I'd be happy to sponsor something along these lines after review and discussion with City staff regarding setting feasible goals and timelines as well as perhaps pointing to additional educational materials and studies in the whereas / background to help both the city and residents understand the value of this focus.

Thanks for raising it to our attention Liz.

Best,

Lindsey

**Lindsey Williams (she/her)**

**City Councilor, At Large**

City of Dover, NH

288 Central Avenue

Dover, NH 03820-4169

e: [l.williams@dover.nh.gov](mailto:l.williams@dover.nh.gov)

p: 603.534.2119

***Dover: First in New Hampshire, First with you!***

<http://www.dover.nh.gov>

---

**From:** Carrier, Robert

**Sent:** Friday, April 19, 2024 9:17 AM

**To:** liz goldman; City Council - All

**Cc:** Joyal, Michael; Storer, John; Wyatt, Joshua

**Subject:** Re: A proposal to privatize native plants

Liz we need to pass this by the city MGR.



**Robert Carrier**  
**Mayor - City Council**  
**City of Dover, NH**  
288 Central Avenue  
Dover, NH 03820-4169  
e: [r.carrier@doover.nh.gov](mailto:r.carrier@doover.nh.gov)  
p: 603.396.0204

***Dover: First in New Hampshire, First with you!***

<http://www.dover.nh.gov>

---

**From:** liz goldman <[lizdoverschoolboard@gmail.com](mailto:lizdoverschoolboard@gmail.com)>  
**Sent:** Thursday, April 18, 2024 4:32 PM  
**To:** City Council - All  
**Subject:** A proposal to privatize native plants

**Security Notice:** External sender. Use caution with hyperlinks or attachments.

Dear fellow citizens,

I'm not aware of any rules in Dover concerning native plants, and in light of continuing habitat loss for native species, I am asking if one or more of you would be willing to sponsor a resolution. I've drafted some main points, which you are free to use or not.

Thanks and best wishes,

Liz Goldman

Dover

## A RESOLUTION TO PROMOTE NATIVE PLANTS AND HABITAT IN DOVER, NH

WHEREAS native plants have co-evolved over millennia with native insects, birds, small mammals, and other fauna, and



WHEREAS native plants are the foundation of healthy habitats, and habitat losses ripple out to disrupt entire ecosystems, and

WHEREAS close to one-third of all plant life New England comprises non-native plants and the number is growing,

THEREFORE, the City of Dover commits to prioritize native plants in all public spaces and in all plant replacement programs, aiming for 95% native plants in any public area.

---

Please consider conserving our natural resources before printing this e-mail and/or any attachments.

---

This electronic message and any attachments may contain information that is confidential and/or legally privileged in accordance with NH RSA 91-A and other applicable laws or regulations. It is intended only for the use of the person and/or entity identified as recipient(s) in the message. If you are not an intended recipient of this message, please notify the sender immediately and delete the material. Do not print, deliver, distribute or copy this message, and do not disclose its contents or take any action in reliance on the information it contains unless authorized to do so. Thank you.

---

Please consider conserving our natural resources before printing this e-mail and/or any attachments.

---

This electronic message and any attachments may contain information that is confidential and/or legally privileged in accordance with NH RSA 91-A and other applicable laws or regulations. It is intended only for the use of the person and/or entity identified as recipient(s) in the message. If you are not an intended recipient of this message, please notify the sender immediately and delete the material. Do not print, deliver, distribute or copy this message, and do not disclose its contents or take any action in reliance on the information it contains unless authorized to do so. Thank you.

---

Please consider conserving our natural resources before printing this e-mail and/or any attachments.

---

This electronic message and any attachments may contain information that is confidential and/or legally privileged in accordance with NH RSA 91-A and other applicable laws or regulations. It is intended only for the use of the person and/or entity identified as recipient(s) in the message. If you are not an intended recipient of this message, please notify the sender immediately and delete the material. Do not print, deliver, distribute or copy this message, and do not disclose its contents or take any action in reliance on the information it contains unless authorized to do so. Thank you.



---

Please consider conserving our natural resources before printing this e-mail and/or any attachments.

---

This electronic message and any attachments may contain information that is confidential and/or legally privileged in accordance with NH RSA 91-A and other applicable laws or regulations. It is intended only for the use of the person and/or entity identified as recipient(s) in the message. If you are not an intended recipient of this message, please notify the sender immediately and delete the material. Do not print, deliver, distribute or copy this message, and do not disclose its contents or take any action in reliance on the information it contains unless authorized to do so. Thank you.

---

Please consider conserving our natural resources before printing this e-mail and/or any attachments.

---

This electronic message and any attachments may contain information that is confidential and/or legally privileged in accordance with NH RSA 91-A and other applicable laws or regulations. It is intended only for the use of the person and/or entity identified as recipient(s) in the message. If you are not an intended recipient of this message, please notify the sender immediately and delete the material. Do not print, deliver, distribute or copy this message, and do not disclose its contents or take any action in reliance on the information it contains unless authorized to do so. Thank you.