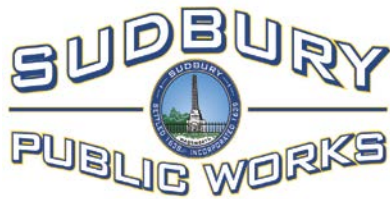




NOTICE OF PUBLIC HEARING SUDBURY CONSERVATION COMMISSION

The Sudbury Conservation Commission will hold a public hearing to review the Notice of Intent filing, under the State Act and local Wetland Bylaw, to install drainage improvements and reconstruct the existing sidewalk, within the 100' buffer zone at 275 Morse Road, in Sudbury, MA. Dan Nason, Public Works Director, applicant. The hearing will be held on Monday, June 1, 2020 at 6:30 pm, via remote participation (<https://us02web.zoom.us/j/98803339162> is the link to join this Hearing via Zoom). Copies of the application may be reviewed on the Conservation Department web page at: <https://sudbury.ma.us/conservationcommission/meeting/conservation-commission-meeting-monday-june-1-2020/>. Please contact the Conservation Office with any questions at 978-440-5470.

SUDBURY CONSERVATION COMMISSION
May 19, 2020



Project Narrative: Morse Road Drainage Improvements and Sidewalk Reconstruction:

The Town's drainage infrastructure at the Morse Road and Marlboro Road intersection is problematic causing flooding to the Town's walkway and erosion to private property associated with 275 Morse Road. The parcel in question is E08-0013 which is across Morse Road from 275. The parcel contains a small pond with an adjacent wetland. The Town has a drainage outfall on the parcel at the edge of a walkway easement that is buried two feet below grade. Flooding problems persist at this outfall due to a low point in the walkway. Often times during a rainstorm this section of walkway is two and three inches underwater. Two years ago the Town installed two leaching catch basins at the intersection to mitigate drainage runoff and erosion on this same parcel. Soils in this area are not conducive to significant infiltration and these basins often surcharge upon heavy rain causing continued erosion.

Project improvements include the following:

- At the drainage outfall remove two pine trees and lower the soil pile under them such that the drainage outfall no longer is below grade and the discharge flows towards the pond.
- Install an additional leaching catch basin with an overflow pipe to avoid surcharging. The overflow pipe will pass through the existing leaching basin to mitigate its surcharging condition. The overflow pipe outfall will be located next to the existing outfall.
- Install a bituminous berm to facilitate storm water flow to the leaching basins.
- Reconstruct the walkway.

All work is located in the buffer zone and the shortest distance between the wetlands and the work is approximately 35 feet. The resource area will be protected during construction with straw wattles.

A leaching basin hood should not be necessary as any oil sheen floating in the leaching basin should leach into the ground and not make it through the overflow pipe to the outfall. If the Commission requests a hood be installed it is possible, but the already minimum slope of the 8 inch ductile iron pipe, 0.004 feet/feet, will be lessened promoting particle deposition and eventually pipe clogging.

The Town has secured a temporary construction easement with the owner of the parcel for the work to proceed.

**Massachusetts Department of Environmental
Protection**

Bureau of Resource Protection - Wetlands

WPA Form 3 - Notice of Intent

Massachusetts Wetlands Protection Act M.G.L. c. 131, §40

Provided by MassDEP:

MassDEP File #:

eDEP Transaction #:1196083

City/Town:SUDBURY

A.General Information

1. Project Location:

a. Street Address	MORSE ROAD	c. Zip Code	01776
b. City/Town	SUDBURY	e. Longitude	71.41718W
d. Latitude	42.40609N	g.Parcel/Lot #	0013
f. Map/Plat #	E08		

2. Applicant:

☐ Individual ☒ Organization

a. First Name	DANIEL	b.Last Name	NASON
c. Organization	DEPARTMENT OF PUBLIC WORKS		
d. Mailing Address	275 OLD LANCASTER ROAD		
e. City/Town	SUDBURY	f. State	MA
g. Zip Code	01776		
h. Phone Number	978-440-5490	i. Fax	978-440-5404
j. Email	nasond@sudbury.ma.us		

3.Property Owner:

☐ more than one owner

a. First Name	NATALIE	b. Last Name	HAIGHT
c. Organization			
d. Mailing Address	275 MORSE ROAD		
e. City/Town	SUDBURY	f.State	MA
g. Zip Code	01776		
h. Phone Number		i. Fax	
j.Email			

4.Representative:

a. First Name	WILLIAM	b. Last Name	O'ROURKE
c. Organization	DEPARTMENT OF PUBLIC WORKS		
d. Mailing Address	275 OLD LANCASTER ROAD		
e. City/Town	SUDBURY	f. State	MA
g. Zip Code	01776		
h.Phone Number	978-440-5442	i.Fax	978-440-5404
j.Email	orourkew@sudbury.ma.us		

5.Total WPA Fee Paid (Automatically inserted from NOI Wetland Fee Transmittal Form):

a.Total Fee Paid	0.00	b.State Fee Paid	0.00	c.City/Town Fee Paid	0.00
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6.General Project Description:

DRAINAGE IMPROVEMENTS AND SIDEWALK RECONSTRUCTION IN THE BUFFER ZONE.

7a.Project Type:

- | | |
|---|--|
| 1. <input type="checkbox"/> Single Family Home | 2. <input type="checkbox"/> Residential Subdivision |
| 3. <input type="checkbox"/> Limited Project Driveway Crossing | 4. <input type="checkbox"/> Commercial/Industrial |
| 5. <input type="checkbox"/> Dock/Pier | 6. <input checked="" type="checkbox"/> Utilities |
| 7. <input type="checkbox"/> Coastal Engineering Structure | 8. <input type="checkbox"/> Agriculture (eg., cranberries, forestry) |
| 9. <input type="checkbox"/> Transportation | 10. <input checked="" type="checkbox"/> Other |

7b.Is any portion of the proposed activity eligible to be treated as a limited project subject to 310 CMR 10.24 (coastal) or 310 CMR 10.53 (inland)?

Massachusetts Department of Environmental Protection

Bureau of Resource Protection - Wetlands

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Massachusetts Wetlands Protection Act M.G.L. c. 131, §40

Provided by MassDEP:

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City/Town:SUDBURY

1. ☐ Yes ☒ No

If yes, describe which limited project applies to this project:

2. Limited Project

8. Property recorded at the Registry of Deeds for:

a. County:

b. Certificate:

c. Book:

d. Page:

SOUTHERN MIDDLESEX

250868

1413

147

B. Buffer Zone & Resource Area Impacts (temporary & permanent)

1. Buffer Zone & Resource Area Impacts (temporary & permanent):

☒ This is a Buffer Zone only project - Check if the project is located only in the Buffer Zone of a Bordering Vegetated Wetland, Inland Bank, or Coastal Resource Area.

2. Inland Resource Areas: (See 310 CMR 10.54 - 10.58, if not applicable, go to Section B.3. Coastal Resource Areas)

Resource Area	Size of Proposed Alteration	Proposed Replacement (if any)
---------------	-----------------------------	-------------------------------

a. ☐ Bank

1. linear feet

2. linear feet

b. ☐ Bordering Vegetated Wetland

1. square feet

2. square feet

c. ☐ Land under Waterbodies and Waterways

1. Square feet

2. square feet

3. cubic yards dredged

d. ☐ Bordering Land Subject to Flooding

1. square feet

2. square feet

3. cubic feet of flood storage lost

4. cubic feet replaced

e. ☐ Isolated Land Subject to Flooding

1. square feet

2. cubic feet of flood storage lost

3. cubic feet replaced

f. ☐ Riverfront Area

1. Name of Waterway (if any)

2. Width of Riverfront Area (check one)

☐ 25 ft. - Designated Densely Developed Areas only

☐ 100 ft. - New agricultural projects only

☐ 200 ft. - All other projects

3. Total area of Riverfront Area on the site of the proposed project

square feet

4. Proposed Alteration of the Riverfront Area:

a. total square feet

b. square feet within 100 ft.

c. square feet between 100 ft.
and 200 ft.

5. Has an alternatives analysis been done and is it attached to this NOI?

☐ Yes ☐ No

**Massachusetts Department of Environmental
Protection**

Bureau of Resource Protection - Wetlands

WPA Form 3 - Notice of Intent

Massachusetts Wetlands Protection Act M.G.L. c. 131, §40

Provided by MassDEP:

MassDEP File #:

eDEP Transaction #:1196083

City/Town:SUDBURY

a. number of new stream crossings

b. number of replacement stream crossings

C. Other Applicable Standards and Requirements

Streamlined Massachusetts Endangered Species Act/Wetlands Protection Act Review

1. Is any portion of the proposed project located in **Estimated Habitat of Rare Wildlife** as indicated on the most recent Estimated Habitat Map of State-Listed Rare Wetland Wildlife published by the Natural Heritage of Endangered Species program (NHESP)?

a. ☐ Yes ☒ No

If yes, include proof of mailing or hand delivery of NOI to:

Natural Heritage and Endangered Species

Program

Division of Fisheries and Wildlife

1 Rabbit Hill Road

Westborough, MA 01581

b. Date of map:FROM MAP VIEWER

If yes, the project is also subject to Massachusetts Endangered Species Act (MESA) review (321 CMR 10.18)....

c. Submit Supplemental Information for Endangered Species Review * (Check boxes as they apply)

1. ☐ Percentage/acreage of property to be altered:

(a) within Wetland Resource Area

percentage/acreage

(b) outside Resource Area

percentage/acreage

2. ☐ Assessor's Map or right-of-way plan of site

3. ☐ Project plans for entire project site, including wetland resource areas and areas outside of wetland jurisdiction, showing existing and proposed conditions, existing and proposed tree/vegetation clearing line, and clearly demarcated limits of work **

a. ☐ Project description (including description of impacts outside of wetland resource area & buffer zone)

b. ☐ Photographs representative of the site

c. ☐ MESA filing fee (fee information available at: <http://www.mass.gov/eea/agencies/dfg/dfw/natural-heritage/regulatory-review/mass-endangered-species-act-mesa/mesa-fee-schedule.html>)

Make check payable to "Natural Heritage & Endangered Species Fund" and **mail to NHESP** at above address

Projects altering 10 or more acres of land, also submit:

d. ☐ Vegetation cover type map of site

e. ☐ Project plans showing Priority & Estimated Habitat boundaries

d. OR Check One of the following

1. ☐ Project is exempt from MESA review. Attach applicant letter indicating which MESA exemption applies. (See 321 CMR 10.14, <http://www.mass.gov/eea/agencies/dfg/dfw/laws-regulations/cmr/321-cmr-1000-massachusetts-endangered-species-act.html#10.14>; the NOI must still be sent to NHESP if the project is within estimated habitat pursuant to 310 CMR 10.37 and 10.59.)

2. ☐ Separate MESA review ongoing.

a. NHESP Tracking Number

b. Date submitted to NHESP

3. ☐ Separate MESA review completed.

Massachusetts Department of Environmental Protection

Bureau of Resource Protection - Wetlands

WPA Form 3 - Notice of Intent

Massachusetts Wetlands Protection Act M.G.L. c. 131, §40

Provided by MassDEP:

MassDEP File #:

eDEP Transaction #:1196083

City/Town:SUDBURY

Include copy of NHESP "no Take" determination or valid Conservation & Management Permit with approved plan.

* Some projects **not** in Estimated Habitat may be located in Priority Habitat, and require NHESP review...

2. For coastal projects only, is any portion of the proposed project located below the mean high waterline or in a fish run?
a. ☒ Not applicable - project is in inland resource area only

b. ☐ Yes ☐ No

If yes, include proof of mailing or hand delivery of NOI to either:

South Shore - Cohasset to Rhode Island, and the Cape & Islands:

North Shore - Hull to New Hampshire:

Division of Marine Fisheries -
Southeast Marine Fisheries Station
Attn: Environmental Reviewer
836 S. Rodney French Blvd
New Bedford, MA 02744

Division of Marine Fisheries -
North Shore Office
Attn: Environmental Reviewer
30 Emerson Avenue
Gloucester, MA 01930

If yes, it may require a Chapter 91 license. For coastal towns in the Northeast Region, please contact MassDEP's Boston Office.
For coastal towns in the Southeast Region, please contact MassDEP's Southeast Regional office.

3. Is any portion of the proposed project within an Area of Critical Environmental Concern (ACEC)?

a. ☐ Yes ☒ No

If yes, provide name of ACEC (see instructions to WPA Form 3 or DEP Website for ACEC locations). **Note:** electronic filers click on Website.

b. ACEC Name

4. Is any portion of the proposed project within an area designated as an Outstanding Resource Water (ORW) as designated in the Massachusetts Surface Water Quality Standards, 314 CMR 4.00?

a. ☐ Yes ☒ No

5. Is any portion of the site subject to a Wetlands Restriction Order under the Inland Wetlands Restriction Act (M.G.L.c. 131, § 40A) or the Coastal Wetlands Restriction Act (M.G.L.c. 130, § 105)?

a. ☐ Yes ☒ No

6. Is this project subject to provisions of the MassDEP Stormwater Management Standards?

a. ☐ Yes, Attach a copy of the Stormwater Report as required by the Stormwater Management Standards per 310 CMR 10.05(6)(k)-(q) and check if:

1. Applying for Low Impact Development (LID) site design credits (as described in Stormwater Management Handbook Vol.2, Chapter 3)

2. A portion of the site constitutes redevelopment

3. Proprietary BMPs are included in the Stormwater Management System

b. ☐ No, Explain why the project is exempt:

1. Single Family Home

2. Emergency Road Repair

Massachusetts Department of Environmental Protection

Bureau of Resource Protection - Wetlands

WPA Form 3 - Notice of Intent

Massachusetts Wetlands Protection Act M.G.L. c. 131, §40

Provided by MassDEP:

MassDEP File #:

eDEP Transaction #:1196083

City/Town:SUDBURY

3. Small Residential Subdivision (less than or equal to 4 single-family houses or less than or equal to 4 units in multi-family housing project) with no discharge to Critical Areas.

D. Additional Information

Applicants must include the following with this Notice of Intent (NOI). See instructions for details.

Online Users: Attach the document transaction number (provided on your receipt page) for any of the following information you submit to the Department by regular mail delivery.

1. USGS or other map of the area (along with a narrative description, if necessary) containing sufficient information for the Conservation Commission and the Department to locate the site. (Electronic filers may omit this item.)
2. Plans identifying the location of proposed activities (including activities proposed to serve as a Bordering Vegetated Wetland [BVW] replication area or other mitigating measure) relative to the boundaries of each affected resource area.
3. Identify the method for BVW and other resource area boundary delineations (MassDEP BVW Field Data Form(s).
4. List the titles and dates for all plans and other materials submitted with this NOI.

a. Plan Title: b. Plan Prepared By: c. Plan Signed/Stamped By: d. Revised Final Date: e. Scale:

DRAINAGE
IMPROVMENTS AND
SIDEWALK
RECONSTRUCTION

TOWN OF SUDBURY
ENGINEERING
DEPARTMENT

WILLIAM F. O'ROURKE 5/18/20

PROJECT
NARRATIVE

TOWN OF SUDBURY
ENGINEERING
DEPARTMENT

5/26/20

5. If there is more than one property owner, please attach a list of these property owners not listed on this form.
6. Attach proof of mailing for Natural Heritage and Endangered Species Program, if needed.
7. Attach proof of mailing for Massachusetts Division of Marine Fisheries, if needed.
8. Attach NOI Wetland Fee Transmittal Form.
9. Attach Stormwater Report, if needed.

**Massachusetts Department of Environmental
Protection**

Bureau of Resource Protection - Wetlands

WPA Form 3 - Notice of Intent

Massachusetts Wetlands Protection Act M.G.L. c. 131, §40

Provided by MassDEP:

MassDEP File #:

eDEP Transaction #:1196083

City/Town:SUDBURY

E. Fees

1.

Fee Exempt: No filing fee shall be assessed for projects of any city, town, county, or district of the Commonwealth, federally recognized Indian tribe housing authority, municipal housing authority, or the Massachusetts Bay Transportation Authority.

Applicants must submit the following information (in addition to pages 1 and 2 of the NOI Wetland Fee Transmittal Form) to confirm fee payment:

2. Municipal Check Number

3. Check date

4. State Check Number

5. Check date

6. Payer name on check: First Name

7. Payer name on check: Last Name

F. Signatures and Submittal Requirements

I hereby certify under the penalties of perjury that the foregoing Notice of Intent and accompanying plans, documents, and supporting data are true and complete to the best of my knowledge. I understand that the Conservation Commission will place notification of this Notice in a local newspaper at the expense of the applicant in accordance with the wetlands regulations, 310 CMR 10.05(5)(a).

I further certify under penalties of perjury that all abutters were notified of this application, pursuant to the requirements of M.G.L. c. 131, § 40. Notice must be made by Certificate of Mailing or in writing by hand delivery or certified mail (return receipt requested) to all abutters within 100 feet of the property line of the project location.

1. Signature of Applicant

2. Date

3. Signature of Property Owner(if different)

4. Date

5. Signature of Representative (if any)

6. Date

For Conservation Commission:

Two copies of the completed Notice of Intent (Form 3), including supporting plans and documents, two copies of the NOI Wetland Fee Transmittal Form, and the city/town fee payment, to the Conservation Commission by certified mail or hand delivery.

For MassDEP:

One copy of the completed Notice of Intent (Form 3), including supporting plans and documents, one copy of the NOI Wetland Fee Transmittal Form, and a copy of the state fee payment to the MassDEP Regional Office (see Instructions) by certified mail or hand delivery.

Other:

If the applicant has checked the "yes" box in Section C, Items 1-3, above, refer to that section and the Instructions for additional submittal requirements.

The original and copies must be sent simultaneously. Failure by the applicant to send copies in a timely manner may result in dismissal of the Notice of Intent.

Massachusetts Department of Environmental Protection
Bureau of Resource Protection - Wetlands
WPA Form 3 - Notice of Wetland Fee Transmittal
Form
Massachusetts Wetlands Protection Act M.G.L. c. 131, §40

Provided by MassDEP:
MassDEP File #:
eDEP Transaction #:1196083
City/Town:SUDBURY

A. Applicant Information

1. Applicant:

a. First Name	DANIEL	b. Last Name	NASON
c. Organization	DEPARTMENT OF PUBLIC WORKS		
d. Mailing Address	275 OLD LANCASTER ROAD		
e. City/Town	SUDBURY	f. State	MA
g. Zip Code	01776	j. Email	nasond@sudbury.ma.us
h. Phone Number	9784405490	i. Fax	9784405404

2. Property Owner:(if different)

a. First Name	NATALIE	b. Last Name	HAIGHT
c. Organization			
d. Mailing Address	275 MORSE ROAD		
e. City/Town	SUDBURY	f. State	MA
g. Zip Code	01776	j. Email	
h. Phone Number		i. Fax	

3. Project Location:

a. Street Address	MORSE ROAD	b. City/Town	SUDBURY
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Are you exempted from Fee? ☐ (YOU HAVE SELECTED 'YES')

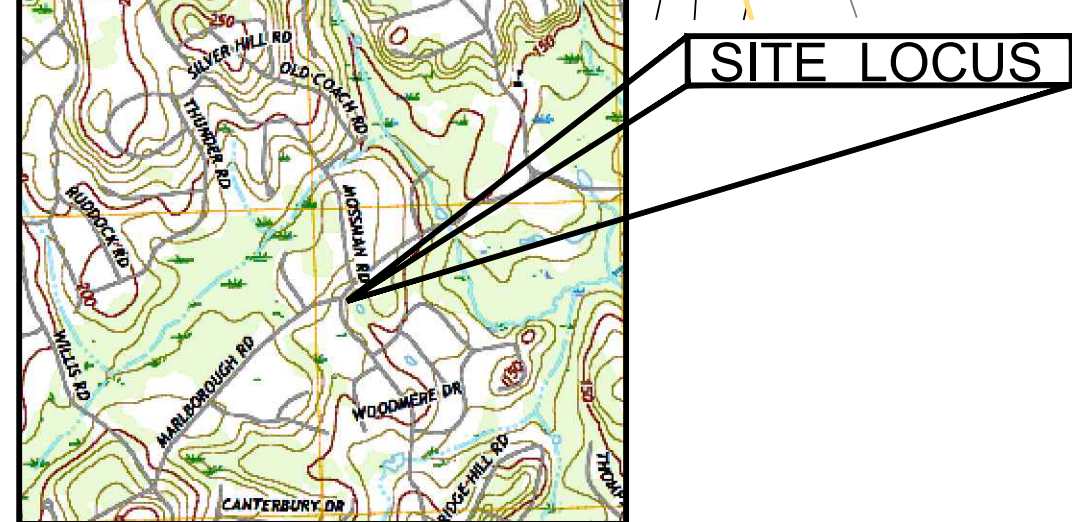
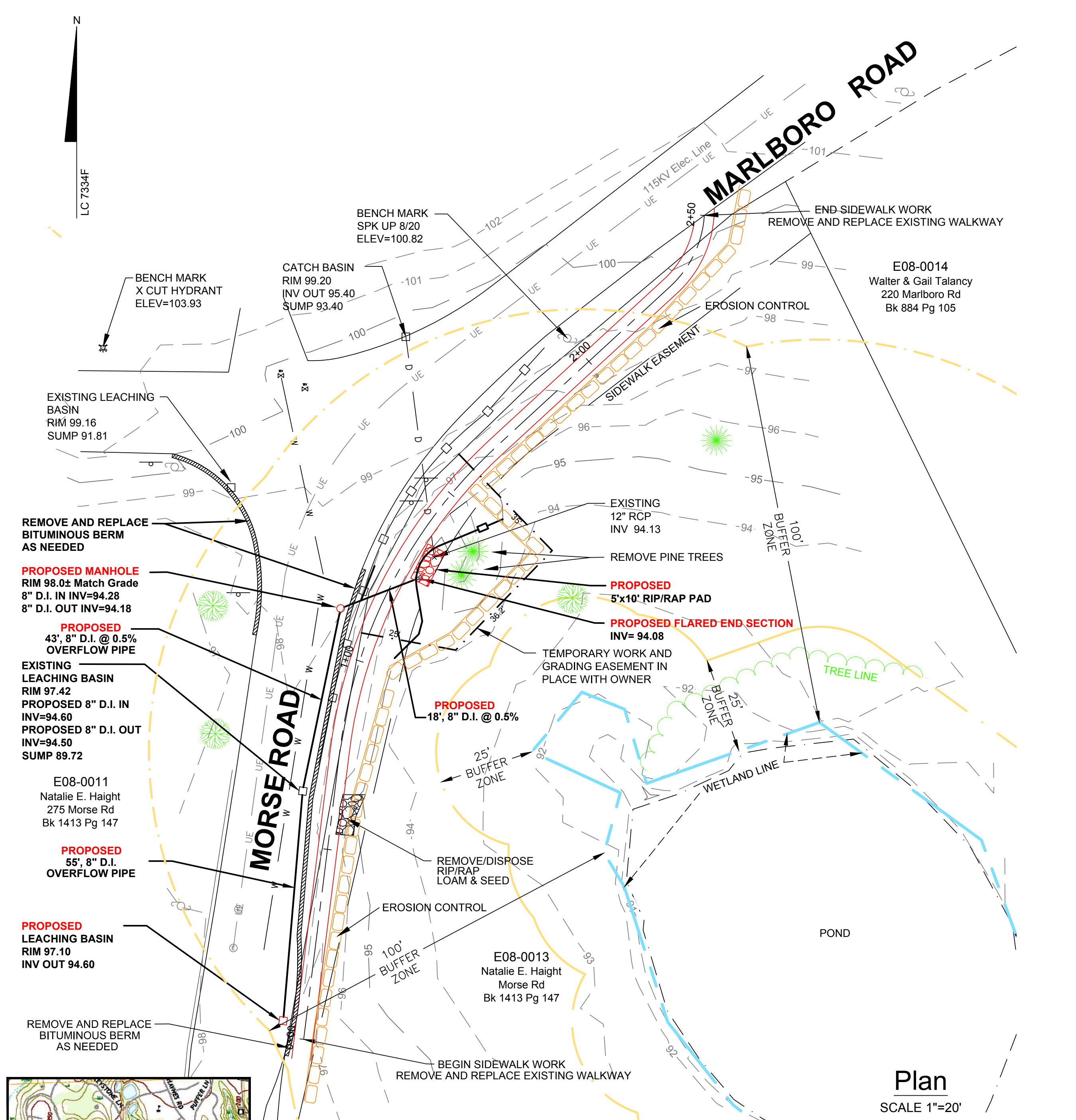
Note: Fee will be exempted if you are one of the following:

- City/Town/County/District
- Municipal Housing Authority
- Indian Tribe Housing Authority
- MBTA

State agencies are only exempt if the fee is less than \$100

B. Fees

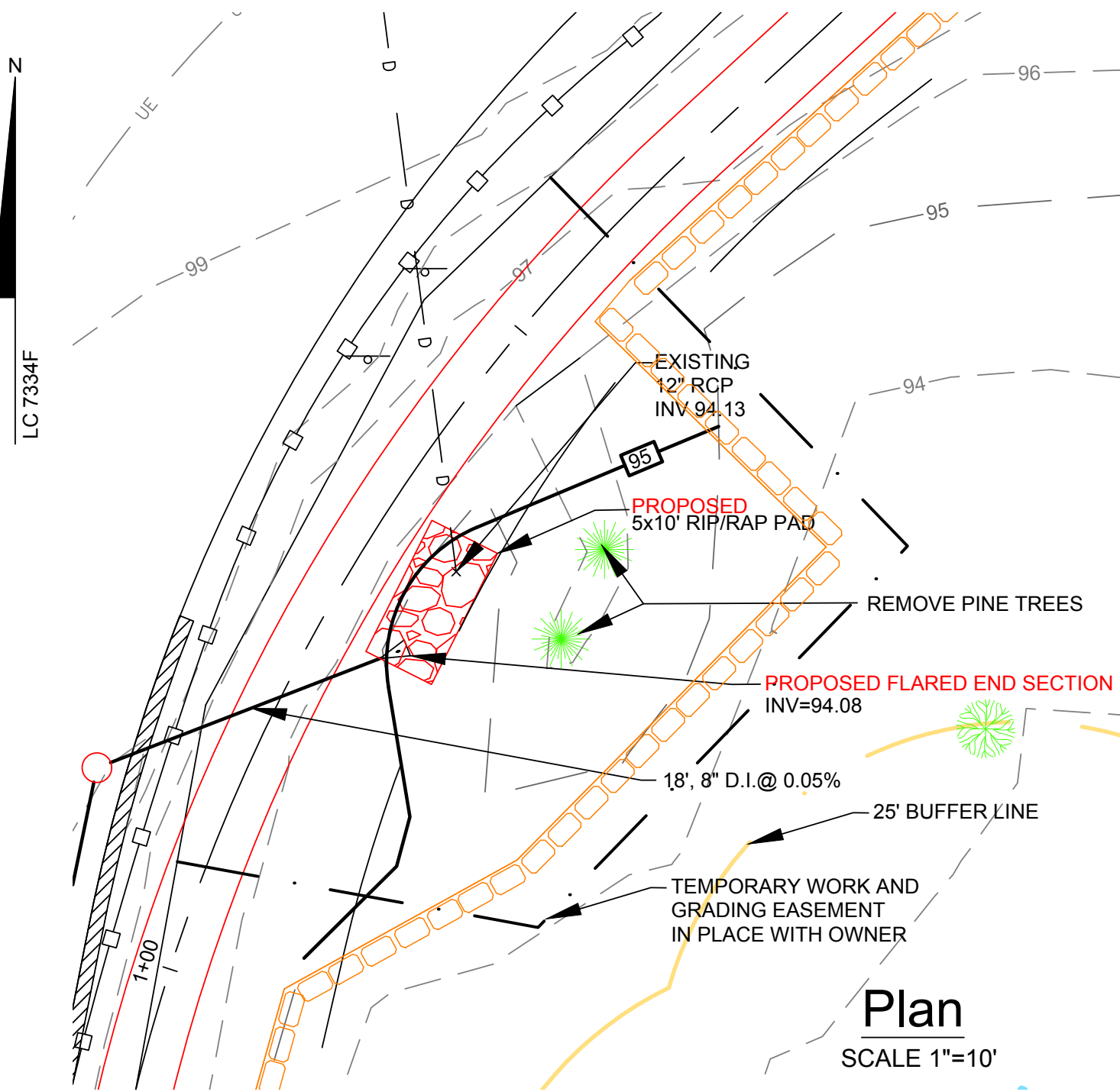
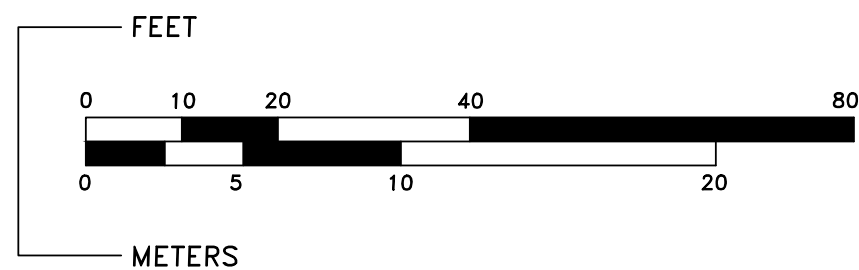
Activity Type	Activity Number	Activity Fee	RF Multiplier	Sub Total
	City/Town share of filling fee	State share of filing fee	Total Project Fee	
	\$0.00	\$0.00	\$0.00	



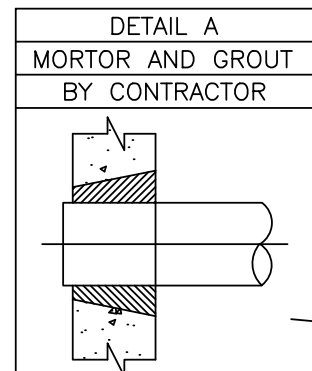
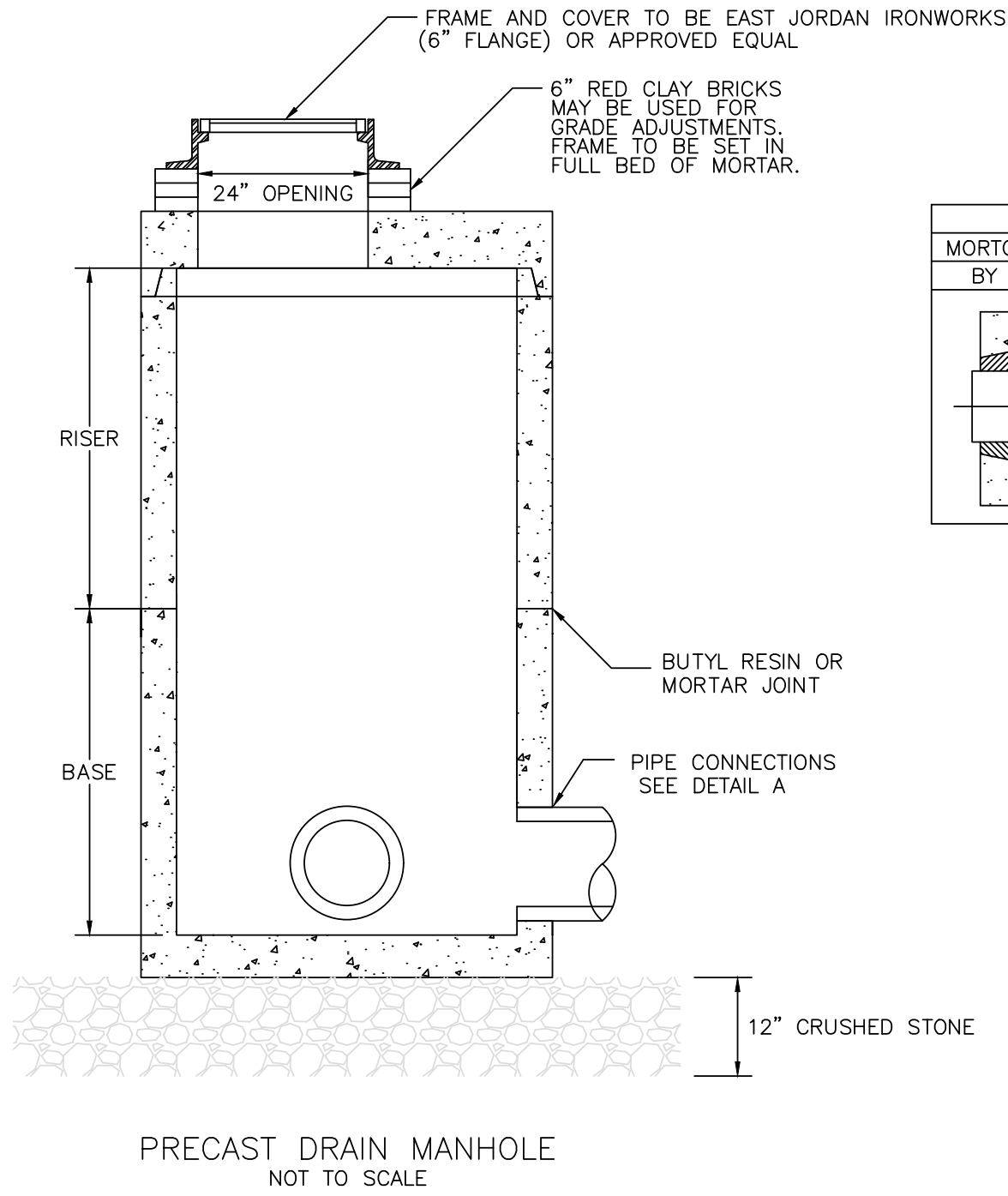
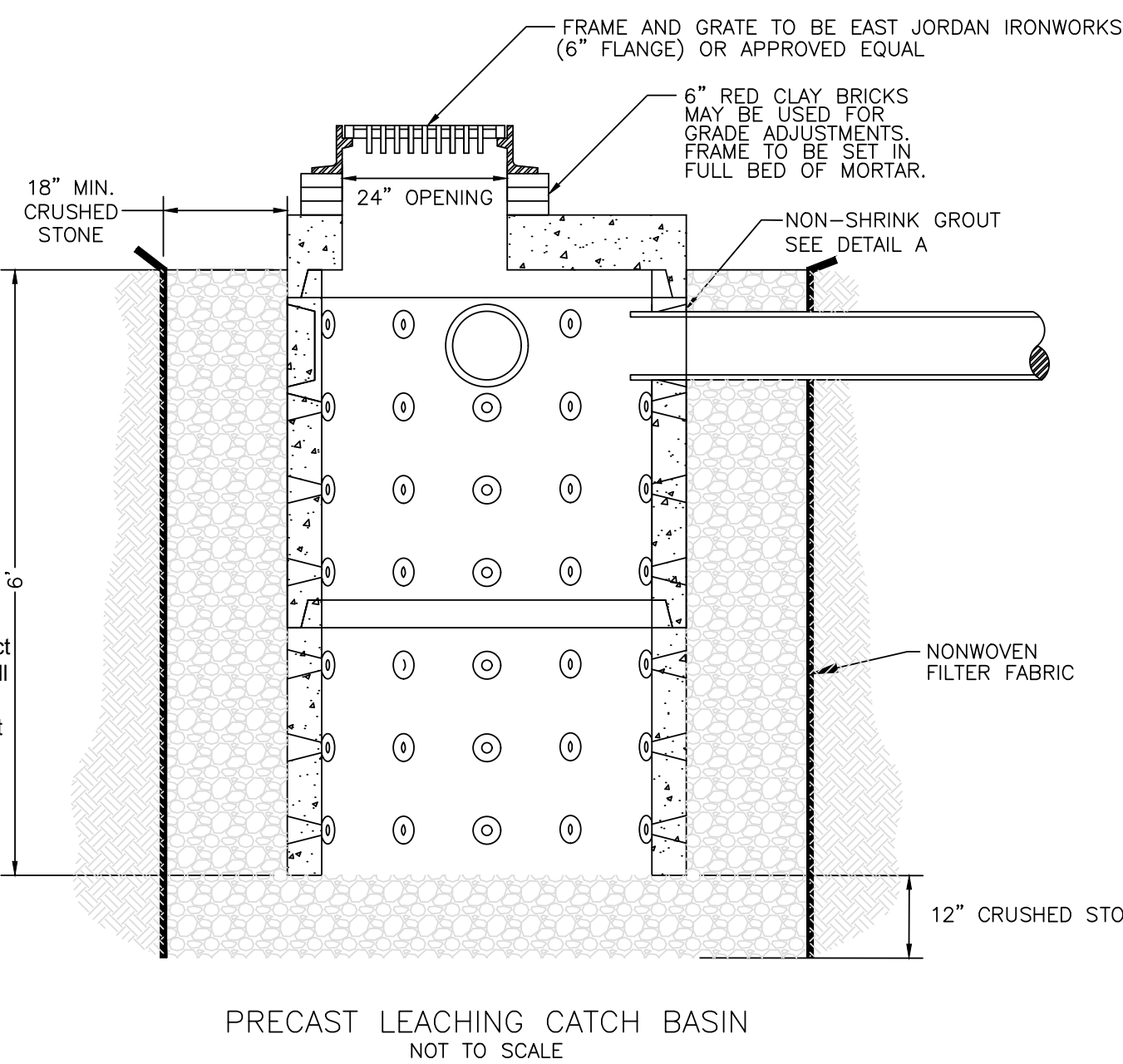
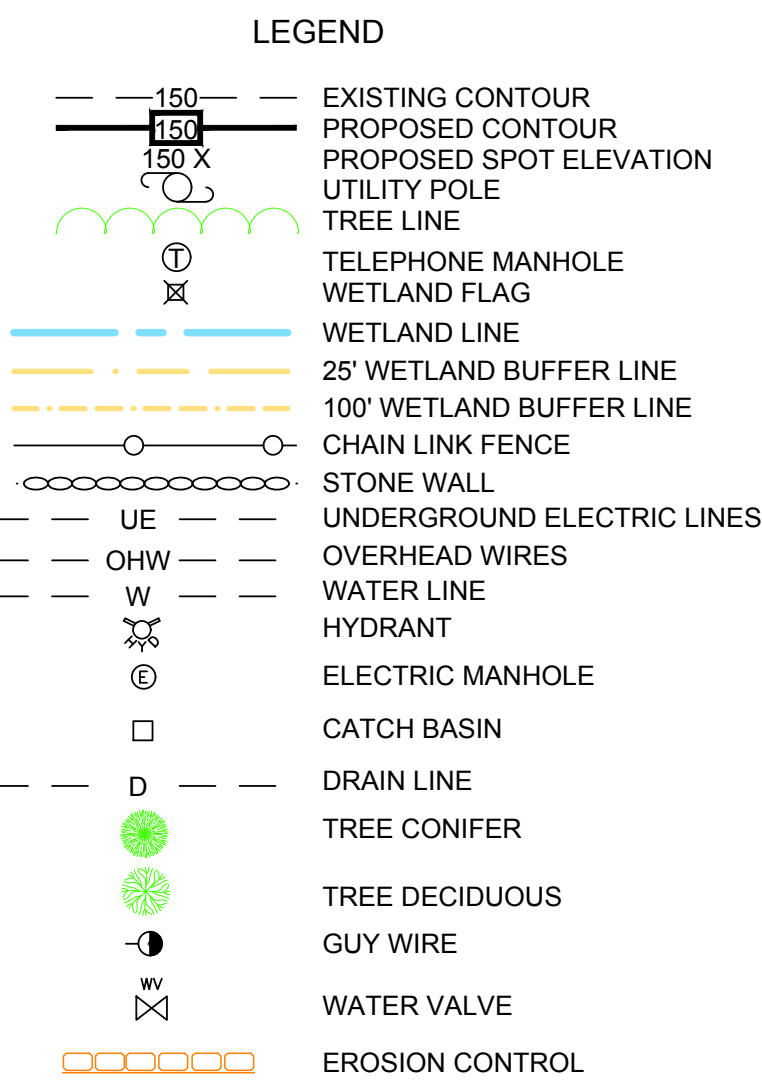
VICINITY MAP

Notes:

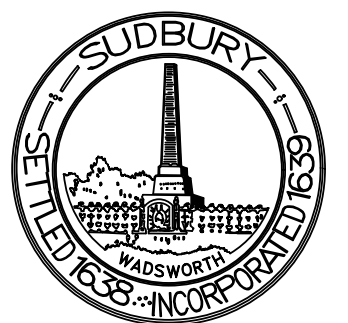
1. Elevations are based upon and assumed datum
2. Bearings based upon Land Court Plan 7334F
3. The location of existing underground utilities are shown in an approximate way only and have not been independently verified by the owner or representative. The contractor shall determine the exact location of all existing utilities before commencing work, and shall be fully responsible for and all damages which might be occasioned by the contractor's failure to exactly locate and preserve any and all underground utilities. The contractor shall contact DigSafe to request existing utility mark out in the field.
4. Wetland lines reproduced from "Proposed Sewage Disposal System" by Sullivan, Connors and Associates dated 9/20/2016.



DETAIL

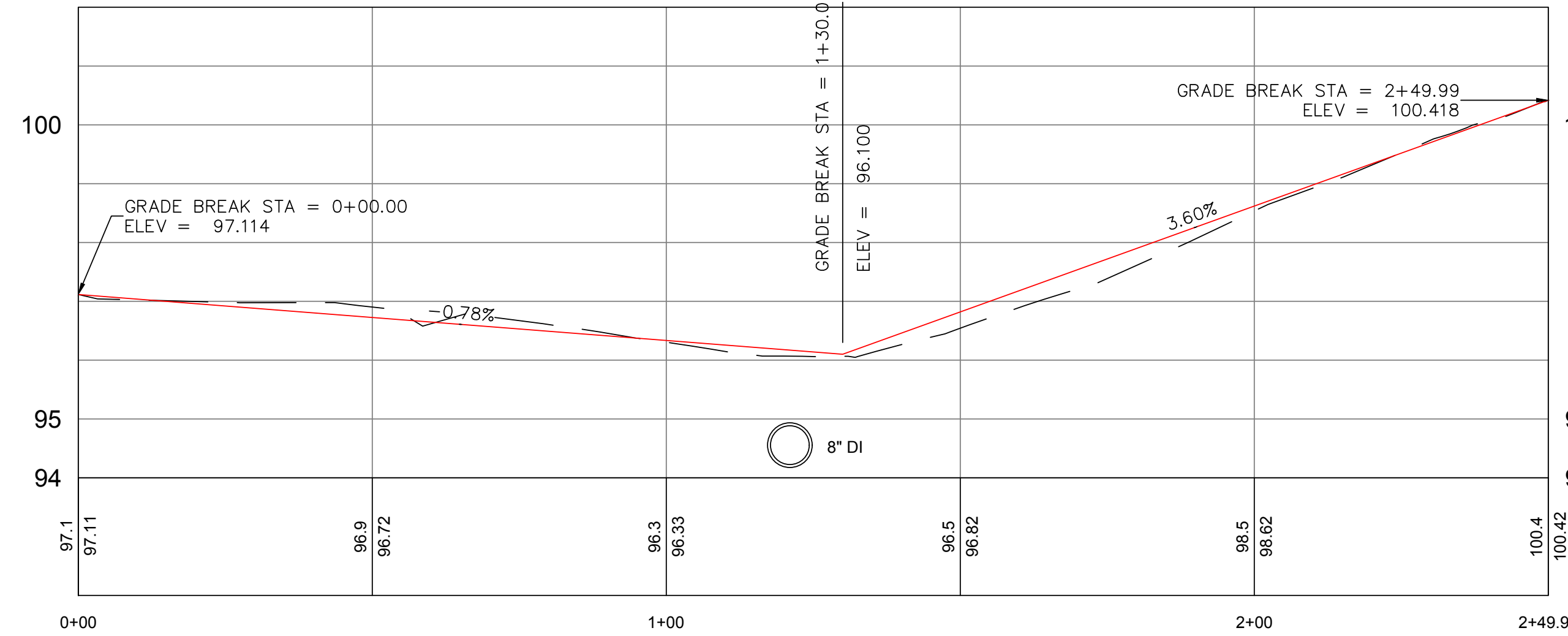


MAINTENANCE SHALL OCCUR WHEN NECESSARY. FIBER ROLLS SHALL BE REPLACE EVERY 6 MONTHS AND STACKS SHALL BE INSPECTED TO ENSURE STRUCTURAL INTEGRITY. FIBER ROLLS SHALL BE INSPECTED WEEKLY AND ALL MAINTENANCE ISSUES SHALL BE CORRECT AT THAT TIME.



Profile - Drainage Improvements

Horizontal Scale: 1"=20'
Vertical Scale: 1"=2'



Alignment - Proposed Walkway

Horizontal Scale: 1"=20'
Vertical Scale: 1"=2'

DRAINAGE IMPROVEMENTS AND SIDEWALK RECONSTRUCTION

MORSE ROAD

TOWN OF SUDBURY, MASSACHUSETTS

TOWN OF SUDBURY ENGINEERING DEPARTMENT
DATE: APRIL 20, 2016 SCALE: AS NOTED

Rev 5/13/19 changes in design
Rev 10/31/19 changes in design
Rev 7/1/19 changes in design
Rev 3/18/20 changes plan layout
Rev 5/16/20 changes plan layout