

NOTICE OF INTENT

SITE REMEDIATION

**180 MacArthur Drive
New Bedford, Massachusetts**

Prepared for:

**Eversource Energy
107 Seldon Street
Berlin, CT 06037**

Prepared by:



BEALS + THOMAS

BEALS AND THOMAS, INC.
32 Court Street
Plymouth, MA 02360

In association with:



GEI Consultants
Consulting Engineers & Scientists

GEI Consultants, Inc.
400 Unicorn Park
Drive | Woburn, MA 01801

***Submitted in Compliance with the Massachusetts
Wetlands Protection Act and the City of New Bedford
Wetlands Ordinance***

April 18, 2017



BEALS + THOMAS

BEALS AND THOMAS, INC.
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02360-3866

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Corporate Office: Southborough, MA

April 18, 2017

Craig P. Dixon, Chair
c/o Sarah Porter, Conservation Agent
New Bedford Conservation Commission
133 William Street, Room 304
New Bedford, MA 02740

Via: Email (sarah.porter@newbedford-ma.gov) and Federal Express

Reference: Notice of Intent
Site Remediation
180 MacArthur Drive
New Bedford, Massachusetts
B+T Project No. 1714.12

Dear Chairman Dixon and Members of the Commission:

On behalf of the Applicant, Eversource Energy, Beals and Thomas, Inc. respectfully submits this Notice of Intent (NOI) for remediation work partially located within Land Subject to Coastal Storm Flowage (LSCSF). The proposed work includes the remediation of land at a former Manufactured Gas Plant (MGP) on 180 MacArthur Drive in New Bedford, Massachusetts which currently houses Eversource facilities. This filing is submitted in accordance with the Massachusetts Wetlands Protection Act, MGL, Chapter 131, Section 40 and associated Regulations at 310 CMR 10.00 (collectively referred to as the Act) and the City of New Bedford Wetlands Ordinance (the Ordinance).

Enclosed are two (2) copies plus the original of the NOI submission package. As required, an electronic copy of the submission (pdf format) has been emailed to the Conservation Agent. The following information is included for your review:

Section 1: Notice of Intent Forms;
Section 2: Project Narrative;
Section 3: Abutter Information; and
Section 4: Plans.

As required, a copy of this filing has been provided to the Southeast Regional Office of the Department of Environmental Protection (DEP). Pursuant to requirements of the Act, abutters within 100 feet of the subject property have been notified via certified mail concurrent with the date of this submission that this NOI has been filed with the New Bedford Conservation Commission. Enclosed is a check payable to the City of New Bedford in the amount of \$537.50 for the appropriate filing fee as required by the Act and a check for \$740.00 (($\$150.00 + \590.00 (\$.05/sf of work in LSCSF)) as required by the Ordinance. A separate check in the amount of \$512.50 has been forwarded to the DEP Lock Box to cover the state portion of the filing fee. We understand that the legal advertisement will be placed in the Standard Times by the Conservation Office and billed to us.

Summary

An MGP and tar-processing facility historically operated at the property from the 1880s through the mid-1960s. The 180 MacArthur Drive property and portions of adjacent properties are within the boundary of a DEP-listed disposal site identified by Release Tracking Number (RTN) 4-14208 (the Site) due to the presence of contaminants in soil and groundwater associated with historic MGP and tar processing operations.

Based on the results of subsurface investigations and the results of a Massachusetts Contingency Plan (MCP; 310 CMR 40.0000) Phase III Identification, Evaluation, and Selection of Comprehensive Remedial Alternatives conducted in accordance with the provisions of 310 CMR 40.0850, in-situ solidification (ISS) on a portion of the Site where dense non-aqueous phase liquid (DNAPL) is present in a monitoring well was selected as the preferred Comprehensive Remedial Action Alternative for the Site. Implementation of this remedy in conjunction with an Activity and Use Limitation (AUL) restricting certain uses of the properties, such as single-family residential, while allowing commercial, industrial and multi-family residential uses, will result in a Permanent Solution with Conditions under the MCP.

Eversource will retain a contractor to perform remedial activities that will include ISS in the area shown in the attached drawings. ISS treats soil in-place by mixing it with a cement grout to create a low-permeability soil-cement monolith. Environmental impacts are immobilized in the soil-cement monolith. This remedial alternative requires a shallow excavation (approximately four to six feet deep), limited dewatering, and the import of cement and other solidification reagents to a portion of the Site.

Craig P. Dixon, Chair
New Bedford Conservation Commission
April 18, 2017
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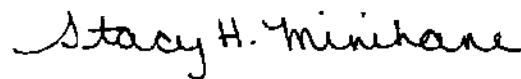
Should you have any questions regarding this matter or require additional information, please contact us at (508) 366-0560. We thank you for your consideration of this NOI and look forward to meeting with the Commission at the May 2, 2017 public hearing.

Very truly yours,

BEALS AND THOMAS, INC.



Sarah W. Stearns, PWS
Senior Environmental Specialist



Stacy H. Minihane, PWS
Associate

Enclosures

cc: DEP Southeast Regional Office (1 copy via Certified Mail)
James Adamik, Eversource Energy (1 copy via U.S. Mail and Email)
Leslie Lombardo, P.E., GEI Consultants (1 copy via U.S. Mail and Email)

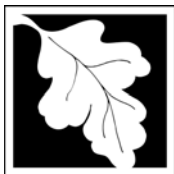
SWS/shm/jyb/171412NI001

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Section 1.0
Notice of Intent Forms

Notice of Intent (WPA Form 3)
Wetland Fee Transmittal Form
Conservation Commission Fee Worksheet
Copies of Checks
Proof of Ownership (Deeds)



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 Number

Document Transaction Number

New Bedford

City/Town

Important:

When filling out forms on the computer, use only the tab key to move your cursor - do not use the return key.



Note:
Before completing this form consult your local Conservation Commission regarding any municipal bylaw or ordinance.

A. General Information

1. Project Location (**Note:** electronic filers will click on button to locate project site):

180 MacArthur Drive

a. Street Address

New Bedford

b. City/Town

02740

c. Zip Code

Latitude and Longitude:

41 37' 44.70"N

d. Latitude

70 55' 16.20"W

e. Longitude

42-84; 42-287; 47-181

f. Assessors Map/Lot Numbers

2. Applicant:

James

a. First Name

Adamik

b. Last Name

Eversource Energy

c. Organization

107 Seldon Street

d. Street Address

Berlin

e. City/Town

CT

f. State

06037

g. Zip Code

(860) 665-3045

h. Phone Number

i. Fax Number

james.adamik@eversource.com

j. Email Address

3. Property owner (required if different from applicant): ☐ Check if more than one owner

a. First Name

b. Last Name

Commonwealth Electric/Gas Company d/b/a Eversource Energy

c. Organization

c/o Tax Department, P.O. Box 270

d. Street Address

Hartford

e. City/Town

CT

f. State

06141

g. Zip Code

h. Phone Number

i. Fax Number

j. Email address

4. Representative (if any):

Sarah

a. First Name

Stearns

b. Last Name

Beals and Thomas, Inc.

c. Company

32 Court Street

d. Street Address

Plymouth

e. City/Town

MA

f. State

02360

g. Zip Code

508-366-0560

h. Phone Number

508-366-4391

i. Fax Number

sstearns@bealsandthomas.com

j. Email address

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

\$1,050

a. Total Fee Paid

\$512.50

b. State Fee Paid

\$537.50

c. City/Town Fee Paid



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:

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New Bedford

City/Town

A. General Information (continued)

6. General Project Description:

Remediation of a portion of paved land at former manufactured gas plant, 11,800sf of which is located in LSCSF

7a. Project Type Checklist: (Limited Project Types see Section A. 7b.)

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

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

1. ☐ Yes ☒ No If yes, describe which limited project applies to this project. (See 310 CMR 10.24 and 10.53 for a complete list and description of limited project types)

Lim Proj is unnecessary as performance standards are met

2. Limited Project Type

If the proposed activity is eligible to be treated as an Ecological Restoration Limited Project (310 CMR 10.24(8), 310 CMR 10.53(4)), complete and attach Appendix A: Ecological Restoration Limited Project Checklist and Signed Certification.

8. Property recorded at the Registry of Deeds for:

Bristol

a. County

3917/45 and 1821/440

c. Book

b. Certificate # (if registered land)

d. Page Number

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

1. ☐ Buffer Zone Only – 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).

Check all that apply below. Attach narrative and any supporting documentation describing how the project will meet all performance standards for each of the resource areas altered, including standards requiring consideration of alternative project design or location.



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Bureau of Resource Protection - Wetlands

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

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

For all projects affecting other Resource Areas, please attach a narrative explaining how the resource area was delineated.

Resource Area	Size of Proposed Alteration	Proposed Replacement (if any)
a. <input type="checkbox"/> Bank	1. linear feet	2. linear feet
b. <input type="checkbox"/> Bordering Vegetated Wetland	1. square feet	2. square feet
c. <input type="checkbox"/> Land Under Waterbodies and Waterways	1. square feet 3. cubic yards dredged	2. square feet

Resource Area	Size of Proposed Alteration	Proposed Replacement (if any)
d. <input type="checkbox"/> Bordering Land Subject to Flooding	1. square feet 3. cubic feet of flood storage lost	2. square feet 4. cubic feet replaced
e. <input type="checkbox"/> Isolated Land Subject to Flooding	1. square feet 2. cubic feet of flood storage lost	3. cubic feet replaced
f. <input type="checkbox"/> Riverfront Area	1. Name of Waterway (if available) - specify coastal or inland	

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

6. Was the lot where the activity is proposed created prior to August 1, 1996? ☐ Yes ☐ No

3. ☒ Coastal Resource Areas: (See 310 CMR 10.25-10.35)

Note: for coastal riverfront areas, please complete **Section B.2.f.** above.



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

Check all that apply below. Attach narrative and supporting documentation describing how the project will meet all performance standards for each of the resource areas altered, including standards requiring consideration of alternative project design or location.

Online Users:
Include your document transaction number (provided on your receipt page) with all supplementary information you submit to the Department.

Resource Area	Size of Proposed Alteration	Proposed Replacement (if any)
a. <input type="checkbox"/> Designated Port Areas	Indicate size under Land Under the Ocean, below	
b. <input type="checkbox"/> Land Under the Ocean	1. square feet 2. cubic yards dredged	
c. <input type="checkbox"/> Barrier Beach	Indicate size under Coastal Beaches and/or Coastal Dunes below	
d. <input type="checkbox"/> Coastal Beaches	1. square feet	2. cubic yards beach nourishment
e. <input type="checkbox"/> Coastal Dunes	1. square feet	2. cubic yards dune nourishment
	<u>Size of Proposed Alteration</u>	<u>Proposed Replacement (if any)</u>
f. <input type="checkbox"/> Coastal Banks	1. linear feet	
g. <input type="checkbox"/> Rocky Intertidal Shores	1. square feet	
h. <input type="checkbox"/> Salt Marshes	1. square feet	2. sq ft restoration, rehab., creation
i. <input type="checkbox"/> Land Under Salt Ponds	1. square feet 2. cubic yards dredged	
j. <input type="checkbox"/> Land Containing Shellfish	1. square feet	
k. <input type="checkbox"/> Fish Runs	Indicate size under Coastal Banks, inland Bank, Land Under the Ocean, and/or inland Land Under Waterbodies and Waterways, above 1. cubic yards dredged	
l. <input checked="" type="checkbox"/> Land Subject to Coastal Storm Flowage	11,800 1. square feet	

4. ☐ Restoration/Enhancement

If the project is for the purpose of restoring or enhancing a wetland resource area in addition to the square footage that has been entered in Section B.2.b or B.3.h above, please enter the additional amount here.

a. square feet of BVW

b. square feet of Salt Marsh

5. ☐ Project Involves Stream Crossings

a. number of new stream crossings

b. number of replacement stream crossings



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C. Other Applicable Standards and Requirements

- ☐ This is a proposal for an Ecological Restoration Limited Project. Skip Section C and complete Appendix A: Ecological Restoration Limited Project Checklists – Required Actions (310 CMR 10.11).

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 and Endangered Species Program (NHESP)? To view habitat maps, see the *Massachusetts Natural Heritage Atlas* or go to http://maps.massgis.state.ma.us/PRI_EST_HAB/viewer.htm.

- 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

MassGIS 3/17

b. Date of map

If yes, the project is also subject to Massachusetts Endangered Species Act (MESA) review (321 CMR 10.18). To qualify for a streamlined, 30-day, MESA/Wetlands Protection Act review, please complete Section C.1.c, and include requested materials with this Notice of Intent (NOI); *OR* complete Section C.2.f, if applicable. *If MESA supplemental information is not included with the NOI, by completing Section 1 of this form, the NHESP will require a separate MESA filing which may take up to 90 days to review (unless noted exceptions in Section 2 apply, see below).*

- c. Submit Supplemental Information for Endangered Species Review*

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

2. ☐ Project plans for entire project site, including wetland resource areas and areas outside of wetlands 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

* Some projects **not** in Estimated Habitat may be located in Priority Habitat, and require NHESP review (see <http://www.mass.gov/eea/agencies/dfg/dfw/natural-heritage/regulatory-review/>). Priority Habitat includes habitat for state-listed plants and strictly upland species not protected by the Wetlands Protection Act.

** MESA projects may not be segmented (321 CMR 10.16). The applicant must disclose full development plans even if such plans are not required as part of the Notice of Intent process.



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C. Other Applicable Standards and Requirements (cont'd)

- (c) ☐ MESA filing fee (fee information available at http://www.mass.gov/dfwele/dfw/nhosp/regulatory_review/ mesa/ mesa_fee_schedule.htm).
Make check payable to "Commonwealth of Massachusetts - NHESP" 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
- (f) 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/dfwele/dfw/nhosp/regulatory_review/ mesa/ mesa_exemptions.htm; 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 # _____ b. Date submitted to NHESP _____

3. ☐ Separate MESA review completed.
Include copy of NHESP "no Take" determination or valid Conservation & Management Permit with approved plan.

3. For coastal projects only, is any portion of the proposed project located below the mean high water line or in a fish run?

- a. ☐ Not applicable – project is in inland resource area only b. ☐ Yes ☒ No

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

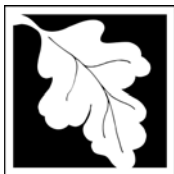
South Shore - Cohasset to Rhode Island border, and the Cape & Islands:

Division of Marine Fisheries -
Southeast Marine Fisheries Station
Attn: Environmental Reviewer
1213 Purchase Street – 3rd Floor
New Bedford, MA 02740-6694
Email: DMF.EnvReview-South@state.ma.us

North Shore - Hull to New Hampshire border:

Division of Marine Fisheries -
North Shore Office
Attn: Environmental Reviewer
30 Emerson Avenue
Gloucester, MA 01930
Email: DMF.EnvReview-North@state.ma.us

Also if yes, the project 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.



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

Provided by MassDEP:

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Online Users:

Include your document transaction number (provided on your receipt page) with all supplementary information you submit to the Department.

C. Other Applicable Standards and Requirements (cont'd)

4. 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 MassDEP Website for ACEC locations). **Note:** electronic filers click on Website.

b. ACEC

5. 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

6. 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

7. 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. Check why the project is exempt: Existing paved lot; no new impervious area proposed

1. ☐ Single-family house
2. ☐ Emergency road repair
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

☐ This is a proposal for an Ecological Restoration Limited Project. Skip Section D and complete Appendix A: Ecological Restoration Notice of Intent – Minimum Required Documents (310 CMR 10.12).

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.

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.



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D. Additional Information (cont'd)

3. ☐ Identify the method for BVW and other resource area boundary delineations (MassDEP BVW Field Data Form(s), Determination of Applicability, Order of Resource Area Delineation, etc.), and attach documentation of the methodology.
4. ☒ List the titles and dates for all plans and other materials submitted with this NOI.
- | | |
|--|-------------------------------|
| <u>Boundary and Topographic Plan</u> | |
| a. Plan Title | |
| <u>Beals and Thomas, Inc.</u> | <u>Robert J. Buckley, PLS</u> |
| b. Prepared By | c. Signed and Stamped by |
| <u>April 6, 2017</u> | <u>1" = 60'</u> |
| d. Final Revision Date | e. Scale |
| <u>Site Management Plan, GEI Consultants, James R. Ash, PE</u> | <u>April 4, 2017</u> |
| f. Additional Plan or Document Title | g. Date |
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.

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:

<u>23560</u>	<u>April 11, 2017</u>
2. Municipal Check Number	3. Check date
<u>23561</u>	<u>April 11, 2017</u>
4. State Check Number	5. Check date
<u>Beals and Thomas, Inc.</u>	
6. Payor name on check: First Name	7. Payor name on check: Last Name



Massachusetts Department of Environmental Protection
Bureau of Resource Protection - Wetlands

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

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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.

As Agent
James T. Colvin for *Ever Source Energy*
1. Signature of Applicant

4/13/2017
2. Date

3. Signature of Property Owner (if different)

4. Date

Sam W. Sze
5. Signature of Representative (if any)

4.17.17
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:

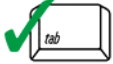
If the applicant has checked the "yes" box in any part of Section C, Item 3, above, refer to that section and the Instructions for additional submittal requirements.

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
NOI Wetland Fee Transmittal Form
Massachusetts Wetlands Protection Act M.G.L. c. 131, §40

Important: When filling out forms on the computer, use only the tab key to move your cursor - do not use the return key.



A. Applicant Information

1. Location of Project:

180 MacArthur Drive

a. Street Address

23561

c. Check number

New Bedford

b. City/Town

\$512.50

d. Fee amount

2. Applicant Mailing Address:

James

a. First Name

Adamik

b. Last Name

Eversource Energy

c. Organization

107 Seldon Street

d. Mailing Address

Berlin

e. City/Town

CT

f. State

06037

g. Zip Code

(860) 665-3045

h. Phone Number

i. Fax Number

james.adamik@eversource.com

j. Email Address

3. Property Owner (if different):

a. First Name

b. Last Name

Commonwealth Electric/Gas Company d/b/a Eversource Energy

c. Organization

c/o Tax Department, P.O. Box 270

d. Mailing Address

Hartford

e. City/Town

CT

f. State

06141

g. Zip Code

h. Phone Number

i. Fax Number

j. Email Address

B. Fees

Fee should be calculated using the following process & worksheet. **Please see Instructions before filling out worksheet.**

Step 1/Type of Activity: Describe each type of activity that will occur in wetland resource area and buffer zone.

Step 2/Number of Activities: Identify the number of each type of activity.

Step 3/Individual Activity Fee: Identify each activity fee from the six project categories listed in the instructions.

Step 4/Subtotal Activity Fee: Multiply the number of activities (identified in Step 2) times the fee per category (identified in Step 3) to reach a subtotal fee amount. Note: If any of these activities are in a Riverfront Area in addition to another Resource Area or the Buffer Zone, the fee per activity should be multiplied by 1.5 and then added to the subtotal amount.

Step 5/Total Project Fee: Determine the total project fee by adding the subtotal amounts from Step 4.

Step 6/Fee Payments: To calculate the state share of the fee, divide the total fee in half and subtract \$12.50. To calculate the city/town share of the fee, divide the total fee in half and add \$12.50.

To calculate filing fees, refer to the category fee list and examples in the instructions for filling out WPA Form 3 (Notice of Intent).



Massachusetts Department of Environmental Protection
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B. Fees (continued)

Step 1/Type of Activity	Step 2/Number of Activities	Step 3/Individual Activity Fee	Step 4/Subtotal Activity Fee
Category 3d; Excavation (Hazardous)	1	\$1,050	\$1,050
Step 5/Total Project Fee:			\$1,050

Step 6/Fee Payments:

Total Project Fee:	\$1,050
	a. Total Fee from Step 5
State share of filing Fee:	\$512.50
	b. 1/2 Total Fee less \$12.50
City/Town share of filing Fee:	\$537.50
	c. 1/2 Total Fee plus \$12.50

C. Submittal Requirements

- a.) Complete pages 1 and 2 and send with a check or money order for the state share of the fee, payable to the Commonwealth of Massachusetts.

Department of Environmental Protection
Box 4062
Boston, MA 02211

- b.) **To the Conservation Commission:** Send the Notice of Intent or Abbreviated Notice of Intent; a **copy** of this form; and the city/town fee payment.

To MassDEP Regional Office (see Instructions): Send a copy of the Notice of Intent or Abbreviated Notice of Intent; a **copy** of this form; and a **copy** of the state fee payment. (E-filers of Notices of Intent may submit these electronically.)



**CITY OF NEW BEDFORD
MASSACHUSETTS**

**CONSERVATION COMMISSION
2009 FILING FEE CALCULATION WORKSHEET***

PROJECT LOCATION:

180 MacArthur Drive **MAP/LOT(S)** 42-84, 42-287, 47-181

APPLICANT: Eversource Energy

CONSERVATION COMMISSION FEES (check all that apply):

- ☐ REQUEST FOR DETERMINATION OF APPLICABILITY
- ☒ NOTICE OF INTENT
- ☐ INQUIRY AS TO NEED FOR AN AMENDED ORDER**
- ☐ AMENDED ORDER OF CONDITIONS
- ☐ ANRAD (Abbreviated Notice of Resource Area Delineation)
- ☐ EXTENSION PERMIT
- ☐ CERTIFICATE OF COMPLIANCE
- ☐ AFTER THE FACT FILING
- ☐ RESTORATION PLAN FEE (no NOI filing required)
- ☐ LIFTING AN ENFORCEMENT ORDER
- ☐ PENALTIES

(A.) ALTERATION FEES:

Application and field review of a project proposed in a Wetland Resource Area or its Buffer Zone is \$150.00 plus the applicable alteration fee as follows

	<u>AMOUNT DUE</u>
• Application and Field Review Fee (\$150.00)	\$ <u>150.00</u>
• \$0.50 X _____ SF Wetland Resource Area	\$ _____
• \$0.05 X <u>11,800</u> SF Land Subject Coastal Flooding	\$ <u>590.00</u>
• \$0.20 X _____ SF Developed Riverfront Area	\$ _____
• \$1.00 X _____ SF Undeveloped Riverfront Area	\$ _____
• \$5.00 X _____ LF Coastal Bank	\$ _____
• \$0.10 X _____ SF Buffer Zone	\$ _____

(B.) EXTENSION of an Order of Conditions:

- Minor Project ... \$100.00 + _____ (¼ local fee from NOI) \$ _____
- Other Projects ... \$200.00 + _____ (¼ local fee from NOI) \$ _____

(C.) AMENDING A PERMIT:

- Written inquiry or request to appear to determine the need for an Amended Order:** (\$50.00 fee) \$_____
- Amending OOC: \$150.00 + _____ (applicable alteration fee) \$_____

**(D.) RESOURCE BOUNDARY DELINEATION VERIFICATION
USING AN RDA APPLICATION:**

- \$150.00 + \$2.00 X _____ LF Wetland boundary \$_____

**(E.) ABBREVIATED RESOURCE AREA DELINEATION VERIFICATION
(ANRAD)**

- \$150.00 + \$1.00 X _____ LF Resource Area boundary \$_____

**(F.) RESOURCE BOUNDARY DELINEATION VERIFICATION CONDUCTED
DURING A NOTICE OF INTENT REVIEW**

- \$150.00 + \$3.00 X _____ LF Resource Area boundary \$_____

(G.) DOCKS:

- \$100.00 + \$4.00 X _____ LF of dock \$_____
- Add 150% to total fee if in significant shellfish habitat \$_____

(H.) AFTER THE FACT FILING:

- All Total Fees are doubled \$_____

(I.) RESTORATION PLAN FEE:

- (\$150.00 + _____ Alteration Fee) Multiplied by 2 \$_____

(J.) LIFTING ON ENFORCEMENT ORDER:

- \$150.00 fee \$_____

(K.) CERTIFICATE OF COMPLIANCE:

- refer to "K" of the Fee schedule \$_____

(L.) PENALTIES:

- refer to "L" of the Fee schedule \$_____

TOTAL AMOUNT DUE (including after-the-fact fee if applicable): \$ 740.00

Notes:

* Please refer to the Conservation Commission Fee Schedule - Revised April 2009

** This is not required, but available for anyone who would like to appear to discuss the need to Amend.

Please make check or Money Order payable to: THE CITY OF NEW BEDFORD.
Cash is not Accepted.

23563

BEALS AND THOMAS, INC.RESERVOIR CORPORATE CENTER
144 TURNPIKE ROAD
SOUTHBOROUGH, MASSACHUSETTS 01772Middlesex Savings Bank 22
SOUTHBOROUGH, MA 01772

53-7122/2113

**Seven Hundred Forty and no/100**

DATE

AMOUNT

04/11/17

23563

\$740.00

PAY
TO THE
ORDER
OFCITY OF NEW BEDFORD
133 WILLIAM STREET
NEW BEDFORD MA 02740

AUTHORIZED SIGNATURE

⑈023563⑈ ⑆211371227⑆ 800308165⑈

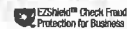
Security features. Details on back.



23560

BEALS AND THOMAS, INC.RESERVOIR CORPORATE CENTER
144 TURNPIKE ROAD
SOUTHBOROUGH, MASSACHUSETTS 01772Middlesex Savings Bank 22
SOUTHBOROUGH, MA 01772

53-7122/2113

**Five Hundred Thirty Seven and 50/100**

DATE

AMOUNT

04/11/17

23560

\$537.50

PAY
TO THE
ORDER
OFCITY OF NEW BEDFORD
133 WILLIAM STREET
NEW BEDFORD MA 02740

AUTHORIZED SIGNATURE

⑈023560⑈ ⑆211371227⑆ 800308165⑈

Security features. Details on back.



23561

BEALS AND THOMAS, INC.RESERVOIR CORPORATE CENTER
144 TURNPIKE ROAD
SOUTHBOROUGH, MASSACHUSETTS 01772Middlesex Savings Bank 22
SOUTHBOROUGH, MA 01772

53-7122/2113

**Five Hundred Twelve and 50/100**

DATE

AMOUNT

04/11/17

23561

\$512.50

PAY
TO THE
ORDER
OFCOMMONWEALTH OF MASSACHUSETTS (0070)
DEPARTMENT OF ENVIRONMENTAL PROTECTION
P.O. BOX 4062
BOSTON MA 02211

AUTHORIZED SIGNATURE

⑈023561⑈ ⑆211371227⑆ 800308165⑈

Security features. Details on back.





Seal of the Commonwealth
of Massachusetts

The Commonwealth of Massachusetts

Department of the State Secretary
State House - Boston 02133

March 16, 1968

TO WHOM IT MAY CONCERN:

I hereby certify that according to records in this office, New Bedford Gas Light Company was incorporated under the General Laws of this Commonwealth under the provisions of Chapter 144 of the Acts of 1930.

I further certify that the name of the corporation was changed to New Bedford Gas and Electric Light Company August 27, 1958, Chapter 46 of the Acts of 1957.

I also certify that the name of the corporation was changed to Commonwealth Electric Company by Articles of Amendment filed here on March 1, 1968.

I further certify that so far as appears of record in this office, said corporation still has legal existence.

IN TESTIMONY WHEREOF, I have hereunto

affixed the Great Seal of
the Commonwealth on the
date first above written.



Richard Joseph Bully
JOSEPH J. BULLY
Secretary of State

Received & Recorded

April 17 1968 in 9 m. 55 m. A

Attest: *John Edward* Register

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COMMONWEALTH ELECTRIC COMPANY, a Massachusetts corporation having its principal place of business at One Main Street, Cambridge, Middlesex County, Massachusetts ("Grantor"), for consideration paid, and in full consideration of Six Hundred Thirty-Four Thousand Seven Hundred Dollars and Fifty Cents (\$634,730.50), grants to COMMONWEALTH GAS COMPANY, a Massachusetts corporation having its principal place of business at One Main Street, Cambridge, Middlesex County, Massachusetts ("Grantee"), with CURTIS AND COVENANTS, the land in New Bedford, Bristol County, Massachusetts, more particularly described as follows:

A certain parcel of land situated in New Bedford in said County of Bristol, located on the easterly side of Frankfort Drive, as depicted in Exhibit A' hereto.

Subject to easements and encumbrances of record, and reserving to the Grantor the potential right and agreement to locate, replace, erect, construct, reconstruct, install, lay, dig up, operate, maintain, carry, inspect, repair, replace, alter, change the location of, extend or renew lines, cables, transformers, switchgear and related equipment necessary for the transmission of electricity to the Grantee and others over, under, across and upon the above-described premises at locations established by its installation and/or existence of the Grantor's said facilities. It is understood that said lines, poles, transformers, switchgear and related equipment shall be and remain the property of the Grantor.

Being all or a portion of the following premises which were conveyed to New Bedford Gas and Electric Light Company (also formerly known as the New Bedford Gas Light Company), now by change of name known as Commonwealth Electric Company, by deed of John H. Towne, dated December 22, 1869 and recorded with the Bristol County Registry of Deeds in Book 38, Page 206; by deed of Charles W. Morgan, dated July 8, 1868, and recorded with said Registry of Deeds in Book 37, Page 242; by deed of Sarah R. Murphey, et al., an executrix of the estate of Charles W. Morgan, dated May 9, 1887, and recorded with said Registry of Deeds in Book 53, Page 533; by deed of William J. Davis, dated January 28, 1877, and recorded with said Registry of Deeds in Book 183, Page 171; by two deeds of the Philadelphia and Reading Coal and Iron Company, one dated July 10, 1902, and recorded with said Registry of Deeds in Book 225, Page 423, and the other dated July 7, 1924 and recorded with said Registry of Deeds in Book 687, Page 151; by deed of Max Finke et al., dated September 1, 1930, and recorded with said Registry of Deeds in Book 1293, Page 76.

IN WITNESS WHEREOF, Commonwealth Electric Company has caused its corporate seal to be hereunto affixed and this presents to be executed, delivered and acknowledged to its name and on its behalf by James D. Rapack, its Financial Vice President and Treasurer, hereunto duly authorized this 1st day of July, 1937

COMMONWEALTH ELECTRIC COMPANY

By: James D. Rapack
James D. Rapack
Financial Vice President and Treasurer

COMMONWEALTH OF MASSACHUSETTS

Notaries, et.

July 1, 1937

Then personally appeared the above named James D. Rapack, Financial Vice President and Treasurer as aforesaid and acknowledged the foregoing instrument to be the free act and deed of Commonwealth Electric Company, before me

May E. Kneen
Notary Public
My Commission expires: 11/30/1941

OFFICE OF THE
NOTARY PUBLIC

177-1472

FILED
JUL 1 1937

NOTARY PUBLIC
JUL 1 1937

EXHIBIT A
CANVON STATION PARCEL DESCRIPTION

Beginning at a point in the easterly line of Front Street in the City of New Bedford, Massachusetts 76.88 ft. northerly of the corner of the Operations Building of the New Bedford District of the Commonwealth Electric Company.

thence, along the easterly line of Front Street, N 07° 57' 55" W a distance of 455.29 ft. to a curve;

thence, continuing in the southwestern line of Front Street, N 06° 57' 38" E a distance of 70.50 ft. to a curve;

thence, continuing in the southerly line of Front Street, N 81° 53' 58" E, a distance of 255.00 ft. to a point of land of the City of New Bedford formerly known as Mayor's Wharf;

thence, by land of the City of New Bedford in two courses, S 55° 33' 33" E 161.33 ft. and S 62° 31' 57" E a distance of 158.85 ft. to a corner of other land of Commonwealth Electric Company (Common Electric);

thence, by other land of said company, S 06° 17' 26" E a distance of 259.00 ft. to a corner;

thence, continuing by land of said company, S 82° 42' 21" W a distance of 184.68 ft. to a corner;

thence, continuing by land of said company, S 06° 20' 22" E a distance of 74.64 ft. to a corner;

thence, continuing by land of said company, S 82° 35' 17" W a distance of 176.96 ft. to a corner;

thence, continuing by land of said company, S 07° 36' 48" E a distance of 180.91 ft. to the corner of old Coffin Street, now abandoned;

thence, along the northerly line of old Coffin Street and by land of said company, S 82° 30' 31" W a distance of 187.65 ft. to a corner;

thence, continuing by land of said company, N 79° 16' 23" W a distance of 50.99 ft. to a corner;

thence, continuing by land of said company, S 82° 02' 04" W, a distance of 40.00 ft. to the westerly side line of Front Street being the point of beginning;

Running and intending to describe a parcel of land 5.488 acres more or less in area.

~~Beaumont, L. H. & Co. 1912-1913-1914-1915-1916-1917-1918-1919-1920-1921-1922-1923-1924-1925-1926-1927-1928-1929-1930-1931-1932-1933-1934-1935-1936-1937-1938-1939-1940-1941-1942-1943-1944-1945-1946-1947-1948-1949-1950-1951-1952-1953-1954-1955-1956-1957-1958-1959-1960-1961-1962-1963-1964-1965-1966-1967-1968-1969-1970-1971-1972-1973-1974-1975-1976-1977-1978-1979-1980-1981-1982-1983-1984-1985-1986-1987-1988-1989-1990-1991-1992-1993-1994-1995-1996-1997-1998-1999-2000-2001-2002-2003-2004-2005-2006-2007-2008-2009-2010-2011-2012-2013-2014-2015-2016-2017-2018-2019-2020-2021-2022-2023-2024-2025-2026-2027-2028-2029-2030-2031-2032-2033-2034-2035-2036-2037-2038-2039-2040-2041-2042-2043-2044-2045-2046-2047-2048-2049-2050-2051-2052-2053-2054-2055-2056-2057-2058-2059-2060-2061-2062-2063-2064-2065-2066-2067-2068-2069-2070-2071-2072-2073-2074-2075-2076-2077-2078-2079-2080-2081-2082-2083-2084-2085-2086-2087-2088-2089-2090-2091-2092-2093-2094-2095-2096-2097-2098-2099-2100-2101-2102-2103-2104-2105-2106-2107-2108-2109-2110-2111-2112-2113-2114-2115-2116-2117-2118-2119-2120-2121-2122-2123-2124-2125-2126-2127-2128-2129-2130-2131-2132-2133-2134-2135-2136-2137-2138-2139-2140-2141-2142-2143-2144-2145-2146-2147-2148-2149-2150-2151-2152-2153-2154-2155-2156-2157-2158-2159-2160-2161-2162-2163-2164-2165-2166-2167-2168-2169-2170-2171-2172-2173-2174-2175-2176-2177-2178-2179-2180-2181-2182-2183-2184-2185-2186-2187-2188-2189-2190-2191-2192-2193-2194-2195-2196-2197-2198-2199-2200-2201-2202-2203-2204-2205-2206-2207-2208-2209-2210-2211-2212-2213-2214-2215-2216-2217-2218-2219-2220-2221-2222-2223-2224-2225-2226-2227-2228-2229-2230-2231-2232-2233-2234-2235-2236-2237-2238-2239-2240-2241-2242-2243-2244-2245-2246-2247-2248-2249-2250-2251-2252-2253-2254-2255-2256-2257-2258-2259-2260-2261-2262-2263-2264-2265-2266-2267-2268-2269-2270-2271-2272-2273-2274-2275-2276-2277-2278-2279-2280-2281-2282-2283-2284-2285-2286-2287-2288-2289-2290-2291-2292-2293-2294-2295-2296-2297-2298-2299-2300-2301-2302-2303-2304-2305-2306-2307-2308-2309-2310-2311-2312-2313-2314-2315-2316-2317-2318-2319-2320-2321-2322-2323-2324-2325-2326-2327-2328-2329-2330-2331-2332-2333-2334-2335-2336-2337-2338-2339-2340-2341-2342-2343-2344-2345-2346-2347-2348-2349-2350-2351-2352-2353-2354-2355-2356-2357-2358-2359-2360-2361-2362-2363-2364-2365-2366-2367-2368-2369-2370-2371-2372-2373-2374-2375-2376-2377-2378-2379-2380-2381-2382-2383-2384-2385-2386-2387-2388-2389-2390-2391-2392-2393-2394-2395-2396-2397-2398-2399-2400-2401-2402-2403-2404-2405-2406-2407-2408-2409-2410-2411-2412-2413-2414-2415-2416-2417-2418-2419-2420-2421-2422-2423-2424-2425-2426-2427-2428-2429-2430-2431-2432-2433-2434-2435-2436-2437-2438-2439-2440-2441-2442-2443-2444-2445-2446-2447-2448-2449-2450-2451-2452-2453-2454-2455-2456-2457-2458-2459-2460-2461-2462-2463-2464-2465-2466-2467-2468-2469-2470-2471-2472-2473-2474-2475-2476-2477-2478-2479-2480-2481-2482-2483-2484-2485-2486-2487-2488-2489-2490-2491-2492-2493-2494-2495-2496-2497-2498-2499-2500-2501-2502-2503-2504-2505-2506-2507-2508-2509-2510-2511-2512-2513-2514-2515-2516-2517-2518-2519-2520-2521-2522-2523-2524-2525-2526-2527-2528-2529-2530-2531-2532-2533-2534-2535-2536-2537-2538-2539-2540-2541-2542-2543-2544-2545-2546-2547-2548-2549-2550-2551-2552-2553-2554-2555-2556-2557-2558-2559-2560-2561-2562-2563-2564-2565-2566-2567-2568-2569-2570-2571-2572-2573-2574-2575-2576-2577-2578-2579-2580-2581-2582-2583-2584-2585-2586-2587-2588-2589-2590-2591-2592-2593-2594-2595-2596-2597-2598-2599-2600-2601-2602-2603-2604-2605-2606-2607-2608-2609-2610-2611-2612-2613-2614-2615-2616-2617-2618-2619-2620-2621-2622-2623-2624-2625-2626-2627-2628-2629-2630-2631-2632-2633-2634-2635-2636-2637-2638-2639-2640-2641-2642-2643-2644-2645-2646-2647-2648-2649-2650-2651-2652-2653-2654-2655-2656-2657-2658-2659-2660-2661-2662-2663-2664-2665-2666-2667-2668-2669-2670-2671-2672-2673-2674-2675-2676-2677-2678-2679-2680-2681-2682-2683-2684-2685-2686-2687-2688-2689-2690-2691-2692-2693-2694-2695-2696-2697-2698-2699-2700-2701-2702-2703-2704-2705-2706-2707-2708-2709-2710-2711-2712-2713-2714-2715-2716-2717-2718-2719-2720-2721-2722-2723-2724-2725-2726-2727-2728-2729-2730-2731-2732-2733-2734-2735-2736-2737-2738-2739-2740-2741-2742-2743-2744-2745-2746-2747-2748-2749-2750-2751-2752-2753-2754-2755-2756-2757-2758-2759-2760-2761-2762-2763-2764-2765-2766-2767-2768-2769-2770-2771-2772-2773-2774-2775-2776-2777-2778-2779-2780-2781-2782-2783-2784-2785-2786-2787-2788-2789-2790-2791-2792-2793-2794-2795-2796-2797-2798-2799-2800-2801-2802-2803-2804-2805-2806-2807-2808-2809-2810-2811-2812-2813-2814-2815-2816-2817-2818-2819-2820-2821-2822-2823-2824-2825-2826-2827-2828-2829-2830-2831-2832-2833-2834-2835-2836-2837-2838-2839-2840-2841-2842-2843-2844-2845-2846-2847-2848-2849-2850-2851-2852-2853-2854-2855-2856-2857-2858-2859-2860-2861-2862-2863-2864-2865-2866-2867-2868-2869-2870-2871-2872-2873-2874-2875-2876-2877-2878-2879-2880-2881-2882-2883-2884-2885-2886-2887-2888-2889-2890-2891-2892-2893-2894-2895-2896-2897-2898-2899-2900-2901-2902-2903-2904-2905-2906-2907-2908-2909-2910-2911-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Section 2.0

Project Narrative

2.0 PROJECT NARRATIVE

2.1 Introduction

The proposed remediation project is located in a paved parking lot portion of the ±4.8-acre parcel at 180 MacArthur Drive in New Bedford, Massachusetts. The parcel is located on Assessor Map/Lots: 42-84, 42-287; and 47-181 according to the New Bedford Assessor maps. Refer to Figures 1 and 2, Locus and Aerial Exhibits.

An MGP and tar-processing facility historically operated at the property from the 1880s through the mid-1960s. The 180 MacArthur Drive property and portions of adjacent properties are within the boundary of a Massachusetts Department of Environmental Protection (MassDEP)-listed disposal site identified by Release Tracking Number (RTN) 4-14208 (the Site) due to the presence of contaminants in soil and groundwater associated with historic Manufactured Gas Plant (MGP) and tar processing operations.

Based on the results of subsurface investigations and the results of a Massachusetts Contingency Plan (MCP; 310 CMR 40.0000) Phase III Identification, Evaluation, and Selection of Comprehensive Remedial Alternatives conducted in accordance with the provisions of 310 CMR 40.0850, in-situ solidification (ISS) on a portion of the Site where dense non-aqueous phase liquid (DNAPL) is present in a monitoring well was selected as the preferred Comprehensive Remedial Action Alternative for the Site. Implementation of this remedy in conjunction with an Activity and Use Limitation (AUL) restricting certain uses of the properties, such as single-family residential, while allowing commercial, industrial and multi-family residential uses, will result in a Permanent Solution with Conditions under the MCP.

2.2 Wetland Resource Areas

Land Subject to Coastal Storm Flowage (310 CMR 10.04)

LSCSF means land subject to any inundation caused by coastal storms up to and including that caused by the 100-year storm, surge of record or storm of record, whichever is greater. Refer to enclosed exhibits and plans for the location of the LSCSF jurisdictional line which was established based on FEMA elevations and on-the-ground survey of the property.

2.3 Proposed Conditions

2.3.1 Description of Work

Eversource will retain a contractor to perform remedial activities that will include ISS in the area shown in the attached drawings. ISS treats soil in-place by mixing it with a cement grout to create a low-permeability soil-cement monolith. Environmental impacts are immobilized in the soil-cement monolith. This remedial alternative requires a shallow excavation (approximately four to six feet deep), limited dewatering, and the import of cement and other solidification reagents to a portion of the Site.

The areal extent of the ISS remedy is approximately 18,600 square feet. An additional 6,200 square feet at the perimeter of the ISS area will also be excavated to provide a 2H:1V slope from the ground surface to the top of the ISS treatment zone, which will begin at a depth of four to six feet. Approximately 11,800 square feet of the entire excavation area, including the ISS area and area required for sloping, is within the LSCSF area. ISS will be conducted to the top of bedrock, which is approximately 16 feet below existing grade.

The top two to three feet of soil within the ISS area may be excavated and temporarily stockpiled on site within the ISS area for potential reuse as backfill following solidification of the treatment zone. Remaining soil to the top of the ISS treatment zone at a depth of four to six feet will be excavated and direct-loaded onto trucks for offsite disposal. This pre-excavation step allows an approximately 25 percent volume expansion of the soil to be treated by ISS. The total pre-excavation volume is estimated to range from about 2,800 to about 4,200 cubic yards, of which about 1,300 to 2,000 cubic yards is within the LSCSF. The total ISS treatment volume ranges from 7,000 to 8,300 cubic yards, of which about 3,300 to 4,000 cubic yards is within the LSCSF.

Prior to starting excavation and ISS, the remediation contractor will install a privacy screen on the existing fence along MacArthur Drive. The work area will include the half acre to be remediated and a nearby support zone for staging the contractor's equipment and temporary facilities like job trailers, frac tanks, portable toilets, and parking. Sediment controls will include storm sewer inlet protection and a truck decontamination station/wheel wash. Perimeter air monitoring stations will be installed to monitor dust and volatile organic compound concentrations at the fence line. A temporary storm water diversion berm will be constructed on the north side of the ISS area to divert storm water runoff around the ISS area. Stormwater that enters the excavation may be pumped from the excavation and temporarily stored in frac tanks staged in the support zone for waste characterization and offsite disposal.

A catch basin located within the ISS area will be removed, cut and capped near its intersection with the main drain line, and at completion of the project, it will be replaced with a new catch basin and the installation of new drain line to connect with the main line.

A mobile cement grout plant will be erected in the support zone along with storage containers for cement and other solidification reagents. The grout plant mixes the solidification reagents with water and pumps the resulting cement grout slurry to the mixing area where excavators blend the grout into the impacted soil. The ISS mixing is completed with excavator buckets and, sometimes, specialized mixing tools attached to excavators. The mixing proceeds in closely spaced cells, each covering a few hundred square feet, until the entire footprint of the impacted area is treated. Dust and odors will be mitigated by water spray and application of odor-control foam to excavation surfaces. Odor-neutralizing or odor-masking misting systems may also be used on an as-needed basis.

After mixing the soil-cement monolith, the soil temporarily stockpiled for re-use, or clean backfill from an offsite source, will be placed to bring the area back to pre-construction grade. The ISS area will be restored with asphalt pavement to match pre-construction conditions. The contractor will then remove the temporary facilities and sediment controls. The estimated duration of the remedy is approximately three months.

2.3.2 Alternatives Analysis

To meet the requirements of the MCP, a Phase III Identification, Evaluation, and Selection of Comprehensive Remedial Alternatives was conducted in accordance with the provisions of 310 CMR 40.0850 to identify a remedial alternative that will achieve a Permanent Solution. As part of the Phase III, three remedial alternatives were evaluated to address the presence of DNAPL in the subsurface: (1) excavation of affected soil; (2) ISS; and (3) DNAPL recovery. In accordance with the requirements of a Phase III conducted under 310 CMR 40.0850, a comparison of the remedial alternatives using the following eight criteria specified in 310 CMR 40.0858: (1) effectiveness; (2) short and long term reliability; (3) difficulty in implementing; (4) costs; (5) risks; (6) benefits; (7) timeliness; (8) effects on non-pecuniary interests.

Based on a detailed evaluation and comparison of each remedial alternative using the above eight MCP criteria, ISS ranked best and was selected as the preferred Comprehensive Remedial Action Alternative to address DNAPL in the subsurface.

To meet the intent of an alternatives analysis under the WPA, each alternative was evaluated with respect to their temporary and permanent impacts to resource areas subject to protection under the WPA. Alternative 3, DNAPL recovery, would have a minimal temporary effect on resource areas as it would require installation of one or more recovery wells potentially within LSCSF. However, the duration of the alteration to the resource area and time to achieve closure and a Condition of No Significant Risk under the MCP could potentially be ten years or more, whereas a Condition of No Significant Risk would be achieved upon completion of Alternative 1, excavation, or Alternative 2, ISS. Therefore, Alternative 3, DNAPL recovery, was eliminated from further consideration.

Alternatives 1, excavation, and 2, ISS, both temporarily alter LSCSF. However, there will be no loss of flood storage capacity either during or post-construction, and the duration of the project for both alternatives is relatively short, about three months. Further, conditions following ISS or excavation would be returned to pre-construction conditions. Therefore, Alternatives 1 and 2 were considered to have an equal impact on the resource area.

Based on the results of both the MCP and WPA evaluations, ISS was selected as the preferred remedial action alternative to address DNAPL in the subsurface.

2.3.3 Impacts to Wetland Resource Areas

Though 11,800 square feet of work is proposed within LSCSF, it is temporary in nature and located entirely within a paved parking area. Flood storage capacity will not be affected given both the nature of the resource area and the proposed work. Therefore, no impacts are anticipated.

2.4 Interests of the Wetlands Protection Act and New Bedford Wetlands Ordinance

The following is a discussion of the relationship of the project site to the interests of the Act as defined by 310 CMR 10.01(2) and the Ordinance.

2.4.1 Protection of Public and Private Water Supply and Ground Water Supply

The Site is not located within a DEP defined Zone I or a Zone II or located within or adjacent to an Aquifer. Therefore, the public and private water supply and groundwater supply protection interests of the Act and Ordinance will be upheld.

2.4.2 Flood Control and Storm Damage Prevention

Flood storage capacity will not be affected given both the nature of the resource area and the proposed work. Therefore, the flood control and storm damage prevention interests of the Act and Ordinance will be maintained.

2.4.3 Prevention of Pollution

Appropriate erosion control measures will be implemented to restrict and prevent the movement of sediment toward resource areas as described herein. Therefore, the pollution interests of the Act and Ordinance will be upheld.

2.4.4 Protection of Fisheries, Shellfisheries and Wildlife Habitat

The area does not contain any NHESP-designated areas (estimated habitats, or certified vernal pools) and does not house or is it located upstream from any known fisheries. Therefore, the fisheries, shellfisheries, and wildlife habitat interests of the Act and Ordinance will be protected.

2.5 Summary

The remediation to solidify in-place contaminated materials located at the former manufactured gas plant will include approximately 11,800 square feet of work within LSCSF. The entirety of the work is located within paved parking areas and will be replaced to pre-construction conditions after the approximate three-month construction period. Therefore, we respectfully request that the Conservation Commission issue an Order of Conditions allowing the work to proceed.

Section 3.0
Abutter Information

Certified List of Abutters
Affidavit of Service
Notification to Abutters



City of New Bedford
REQUEST for a CERTIFIED ABUTTERS LIST

This information is needed so that an official abutters list as required by MA General Law may be created and used in notifying abutters. You, as applicant, are responsible for picking up and paying for the certified abutters list from the assessor's office (city hall, room #109).

SUBJECT PROPERTY	
MAP/LOT#	42-287, 47-181, 42-84
ADDRESS: 180 MacArthur Boulevard, New Bedford	
OWNER INFORMATION	
NAME: Commonwealth Gas and Electric Company	
MAILING ADDRESS: c/o Tax Department, PO Box 270, Hartford, CT 06141	
APPLICANT/CONTACT PERSON INFORMATION	
NAME (IF DIFFERENT): Sarah Stearns, Beals and Thomas, Inc.	
MAILING ADDRESS (IF DIFFERENT): 32 Court Street, Plymouth, MA 02360	
TELEPHONE #	508-366-0560
EMAIL ADDRESS:	sstearns@bealsandthomas.com
REASON FOR THIS REQUEST: <i>Check appropriate</i>	
<input type="checkbox"/>	ZONING BOARD OF APPEALS APPLICATION
<input type="checkbox"/>	PLANNING BOARD APPLICATION
<input checked="" type="checkbox"/>	CONSERVATION COMMISSION APPLICATION
<input type="checkbox"/>	LICENSING BOARD APPLICATION
<input type="checkbox"/>	OTHER (Please explain):

PLANNING
MAR 31 2017
DEPARTMENT

Once obtained, the Certified List of Abutters must be attached to this Certification Letter.

Submit this form to the Planning Division Room 303 in City Hall, 133 William Street. You, as applicant, are responsible for picking up and paying for the certified abutters list from the assessor's office (city hall, room #109).

Official Use Only:

As Administrative Assistant to the City of New Bedford's Board of Assessors, I do hereby certify that the names and addresses as identified on the attached "abutters list" are duly recorded and appear on the most recent tax.

Carlos Amado

Printed Name

Carlos Amado

Signature

4/3/2017

Date

March 31, 2017

Dear Applicant,

Please find below the List of Abutters within 100 feet of the property known as 180 MacArthur Boulevard (42-287, 47-181, 42-84). The current ownership listed herein must be checked and verified by the City of New Bedford Assessor's Office. Following said verification, the list shall be considered a Certified List of Abutters.

Please note that multiple listed properties with identical owner name and mailing address shall be considered duplicates, and shall require only 1 mailing. Additionally, City of New Bedford-Owned properties shall not require mailed notice.

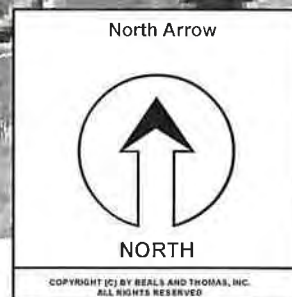
Parcel	Location	Owner and Mailing Address
42-178	LEONARDS WHARF	COMMONWEALTH ELECTRIC CO, C/O PROPERTY TAX DEPARTMENT P O BOX 270 HARTFORD, CT 06141
42-274	140 PINE ST	COMMONWEALTH ELECTRIC CO, C/O PROPERTY TAX DEPARTMENT P O BOX 270 HARTFORD, CT 06141
42-287 ES	MACARTHUR DR	COMMONWEALTH GAS CO, C/O PROPERTY TAX DEPT P O BOX 270 HARTFORD, CT 06141
42-160 -3	1 PINE ST	SPRAGUE MASSACHUSSETS PROPERTIES LLC, 185 INTERNATIONAL DRIVE PORTSMOUTH, NH 03801
47-212	LEONARDS WHARF	CITY OF NEW BEDFORD, 133 WILLIAM ST NEW BEDFORD, MA 02740
47-241 ES	MACARTHUR DR	SPRAGUE MASSACHUSSETS PROPERTIES LLC, 185 INTERNATIONAL DRIVE PORTSMOUTH, NH 03801
47-181 ES	MACARTHUR DR	COMMONWEALTH GAS CO, C/O PROPERTY TAX DEPT P O BOX 270 HARTFORD, CT 06141
47-220 ES	MACARTHUR DR	CITY OF NEW BEDFORD, 133 WILLIAM ST NEW BEDFORD, MA 02740
42-84	180 MACARTHUR DR	COMMONWEALTH ELECTRIC CO, C/O PROPERTY TAX DEPARTMENT P O BOX 270 HARTFORD, CT 06141
47-199 NE	S WATER ST	COMMONWEALTH GAS COMPANY, C/O PROPERTY TAX DEPT P O BOX 270 HARTFORD, CT 06141





Digital orthophotograph, dated 2014, provided by the Office of Geographic and Environmental Information (MassGIS), Commonwealth of Massachusetts Executive Office of Energy and Environmental Affairs.

0 100 200 400
FEET



PROJECT:

Site Remediation
New Bedford, Massachusetts

PREPARED FOR:

Eversource Energy
107 Seldon Street
Berlin, Connecticut

Abutters Exhibit

Scale: 1" = 200'

Date: 03/31/2017

Source File 171412P041A.mxd

B+T Project No. 1714.12

AFFIDAVIT OF SERVICE

Under the Massachusetts Wetlands Protection Act and the City of New Bedford Wetlands Ordinance

I, Sarah W. Stearns, hereby certify under the pains and penalties of perjury that on April 18, 2017, I gave notification to abutters in compliance with the second paragraph of Massachusetts General Laws Chapter 131, Section 40, and the DEP Guide to Abutter Notification dated April 8, 1994, in connection with the following matter:

A Notice of Intent filed under the Massachusetts Wetlands Protection Act by Eversource Energy with the New Bedford Conservation Commission on April 18, 2017 for property located at 180 MacArthur Drive.

The form of the notification, and a list of the abutters to whom it was given and their addresses, are attached to this Affidavit of Service.



April 18, 2017

Name

Date

**Notification to Abutters Under the
Massachusetts Wetlands Protection Act
and the City of New Bedford Wetlands Ordinance**

In accordance with the second paragraph of Massachusetts General Laws Chapter 131, Section 40, you are hereby notified of the following.

- A. The name of the applicant is Eversource Energy.
- B. The applicant has filed a Notice of Intent with the Conservation Commission for the municipality of New Bedford seeking permission to remove, fill, dredge, or alter an Area Subject to Protection Under the Wetlands Protection Act (General Laws Chapter 131, Section 40).
- C. The address of the lot where the activity is proposed is 180 MacArthur Drive;
New Bedford Assessor's Map/Lots: 42-84; 42-287; 47-181.
- D. Copies of the Notice of Intent may be examined at New Bedford City Hall, 133 William Street, New Bedford on the following days of the week: Mon - Fri 8:00am-4:00pm. For more information, call: (508) 991-6188. Check one: This is the applicant ☐, representative ☐, or other ☒ (specify): Conservation Office.
- E. Copies of the Notice of Intent may be obtained from either (check one) the applicant ☐, or the applicant's representative ☒, by calling this telephone number (508) 366-0560 between the hours of 8:00am and 4:00pm on the following days of the week:
Monday – Friday.
- F. Information regarding the date, time, and place of the public hearing may be obtained from New Bedford City Hall, 133 William Street, New Bedford on the following days of the week: Mon - Fri 8:00am-4:00pm. For more information, call: (508) 991-6188. Check one: This is the applicant ☐, representative ☐, or other ☒ (specify): Conservation Office.

Note: Notice of the public hearing, including its date, time, and place, will be published at least five (5) days in advance in the Standard Times.

Note: Notice of the public hearing, including its date, time, and place, will be posted in the City Hall not less than forty-eight (48) hours in advance.

Note: You may also contact your local Conservation Commission or Department of Environmental Protection Regional Office for more information about this application or the Wetlands Protection Act. To contact DEP, call: **Southeast Region: 508-946-2700**.

SWS/171412NI001

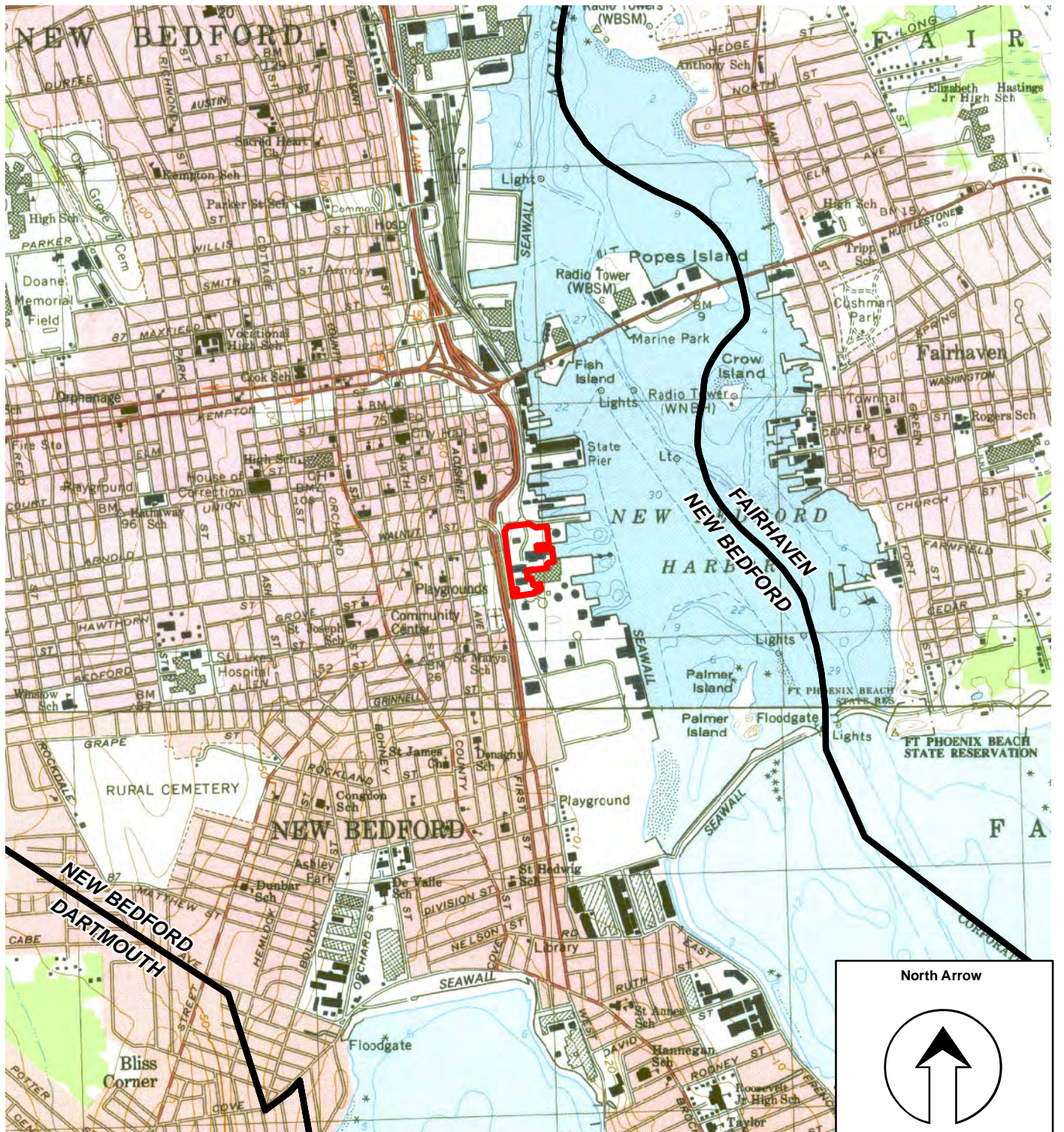
Section 4.0

Plans

Locus Map: Figure 1
Aerial Map: Figure 2

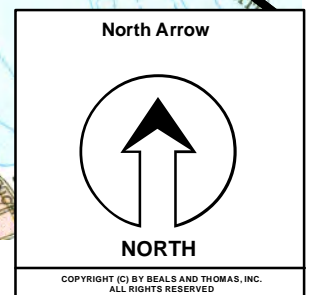
Boundary and Topographic Plan
Prepared by Beals and Thomas, Inc.
In 3 Sheets
Dated April 6, 2017

Site Management Plan
Prepared by GEI Consultants, Inc.
In 3 Sheets
Dated April 4, 2017



Digital USGS Map of New Bedford, MA, dated 1979, provided by the Office of Geographic and Environmental Information (MassGIS), Commonwealth of Massachusetts Executive Office of Energy and Environmental Affairs.

0 1,000 2,000 4,000
FEET



PROJECT:

Site Remediation

New Bedford, Massachusetts

PREPARED FOR:

Eversource Energy
107 Seldon Street
Berlin, Connecticut

Locus Map

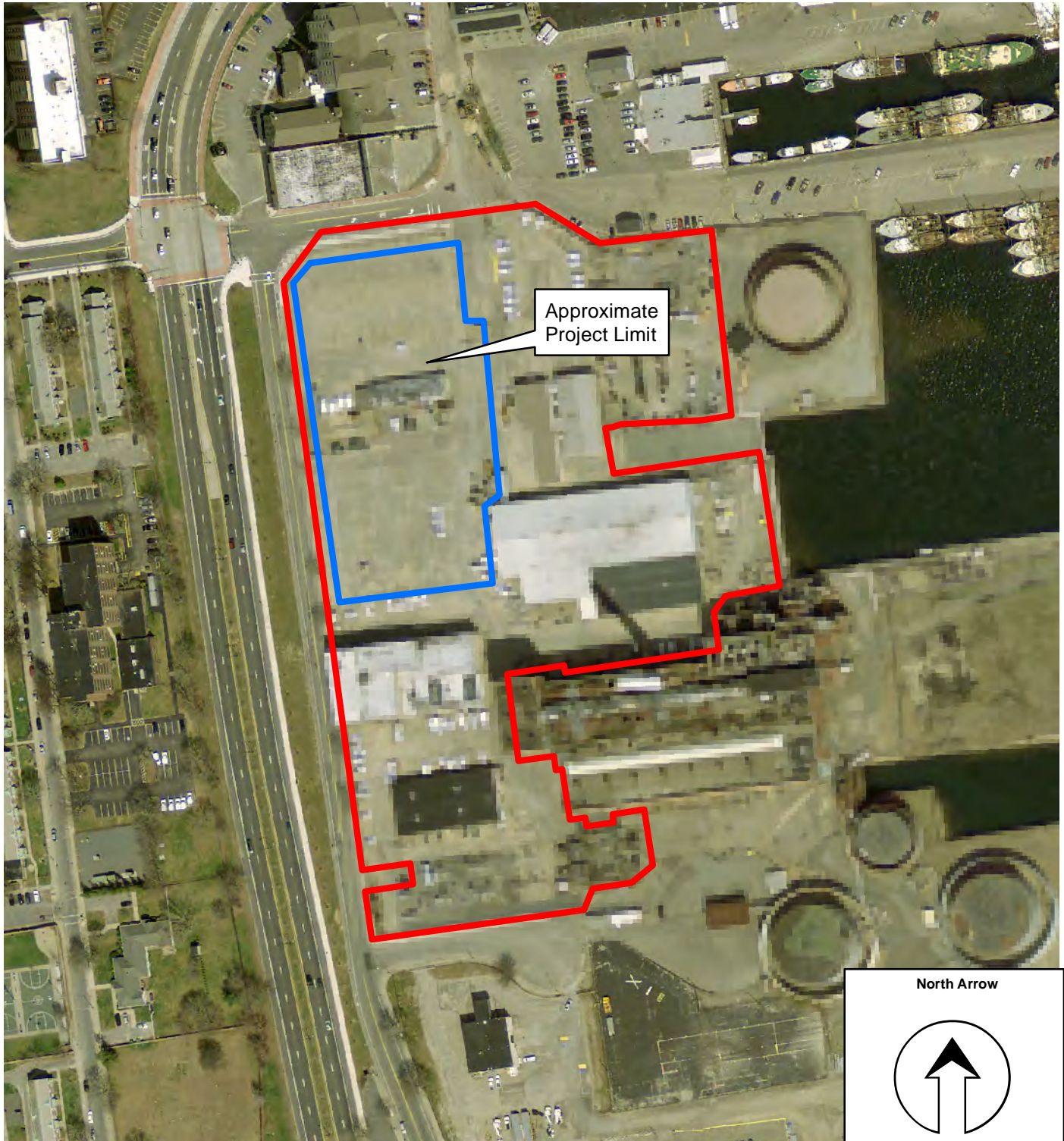
Figure 1

Scale: 1" = 2,000'

Date: 03/31/2017

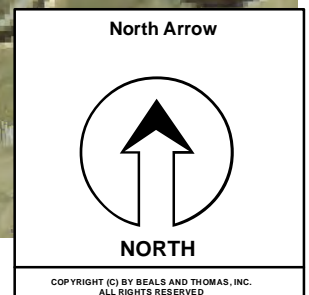
Source File 171412P039A.mxd

B+T Project No. 1714.12



Digital orthophotograph, dated 2014, provided by the Office of Geographic and Environmental Information (MassGIS), Commonwealth of Massachusetts Executive Office of Energy and Environmental Affairs.

0 100 200 400
FEET



PROJECT:

Site Remediation

New Bedford, Massachusetts

PREPARED FOR:

Eversource Energy
107 Seldon Street
Berlin, Connecticut

Aerial Map

Figure 2

Scale: 1" = 200'

Date: 03/31/2017

Source File 171412P040A.mxd

B+T Project No. 1714.12

LEGEND

	SEWER LINE/MANHOLE
	DRAIN LINE/MANHOLE
	CATCH BASIN
	COMCAST LINE
	GAS LINE/GATE
	WATER LINE/GATE
	HYDRANT
	POST INDICATOR VALVE
	TELEPHONE LINE/MANHOLE
	ELECTRIC LINE/MANHOLE
	OVERHEAD WIRE
	LIGHT POLE
	UTILITY POLE
	GUY WIRE
	BUILDING LIGHT
	SIGN
	BOLLARD POST
	HAND HOLE
	MONITORING WELL
	MISC. MANHOLE
	PULL BOX
	CHAIN LINK FENCE
	CONCRETE CURB
	GRANITE CURB
	BITUMINOUS CONCRETE BERM
	TREE
	BUILDING
	No. OF PARKING SPACES IN ROW
	100-YEAR FLOOD ELEVATION
	MINOR CONTOUR
	MAJOR CONTOUR
	100' BUFFER ZONE
	HISTORIC MHW (TAKEN FROM MASSGIS, LOCATION NOT CONFIRMED, (PRESUMPTIVE))
	HISTORIC MHW INFERRED (TAKEN FROM MASSGIS.)
	SPOT ELEVATION
	BITUMINOUS CONCRETE
	BENCHMARK
	CONCRETE
	ELECTRIC METER
	EDGE OF PAVEMENT
	GAS METER
	HIGH PRESSURE GAS
	LOW PRESSURE GAS
	LOADING DOCK
	POLYVINYL CHLORIDE
	REINFORCED CONCRETE PIPE
	RETAINING WALL
	ELECTRIC TRANSFORMER
	STONE BOUND
	DRILL HOLE
	ESCUTHEON PIN, LEAD PLUG
	FOUND
	ASSESSOR PARCEL ID
	DISTANCE BY RECORD
	DISTANCE BY SURVEY

(SEE NOTES 7 AND 8 FOR THE FOLLOWING:)

	DRAIN LINES PROVIDED BY OWNER
	ELECTRIC LINES PROVIDED BY OWNER
	FUEL OIL LINES PROVIDED BY OWNER
	GAS LINES PROVIDED BY OWNER
	SEWER LINES PROVIDED BY OWNER
	STEAM LINES PROVIDED BY OWNER
	TELEPHONE LINES PROVIDED BY OWNER
	WATER LINES PROVIDED BY OWNER

NOTES

- UNDERGROUND UTILITIES SHOWN ARE FROM OBSERVED SURFACE INDICATIONS, SUBSURFACE INDICATIONS, AND COMPILED FROM AVAILABLE RECORD PLANS OF UTILITY COMPANIES AND PUBLIC AGENCIES AND ARE APPROXIMATE ONLY. BEFORE CONSTRUCTION CALL "DIG SAFE" 1-888-344-7233.
- THIS PLAN WAS PREPARED FROM AN ACTUAL SURVEY MADE ON THE GROUND USING TOTAL STATION METHODS ON OR BETWEEN 2001 AND FEBRUARY FEBRUARY 24, 2017.
- ALL ELEVATIONS REFER TO THE NATIONAL GEODETIC VERTICAL DATUM OF 1929 (NGVD29).
- EASEMENTS OF RECORD ARE NOT SHOWN.
- THE PARCELS SHOWN ARE LOCATED IN ZONE AE ELEVATION 6" (NAVD88) (SPECIAL FLOOD HAZARD AREAS SUBJECT TO INUNDATION BY THE 1% ANNUAL CHANCE FLOOD; BASE FLOOD ELEVATIONS DETERMINED), AND ZONE X (AREAS OF 0.2% ANNUAL CHANCE FLOOD; AREAS OF 1% ANNUAL CHANCE FLOOD WITH AVERAGE DEPTHS OF LESS THAN 1 FOOT OR WITH DRAINAGE AREAS LESS THAN 1 SQUARE MILE; AND AREAS PROTECTED BY LEVEES FROM 1% ANNUAL CHANCE FLOOD.) AS SHOWN ON "FLOOD INSURANCE RATE MAP, BRISTOL COUNTY, MASSACHUSETTS (ALL JURISDICTIONS) PANEL 393 OF 550", MAP NUMBER 25005C03936, MAP REVISED JULY 16, 2014. (ELEVATION 6.0' NAVD88 DATUM SHOWN ON THE FLOOD MAP WAS CONVERTED TO ELEVATION 6.8' NGVD29 DATUM.)
- BASED ON A RECORD PLAN RECEIVED FROM EVERSOURCE, PLOTTED 12/28/2016, ALL GAS LINES COMPILED FROM THIS RESOURCE ARE LOW INTERMEDIATE PRESSURE EXCEPT AS NOTED.
- GAS LINE MAINS AND LATERALS PROVIDED BY EVERSOURCE VIA GEI CONSULTANTS, INC. FROM A FILE ENTITLED "SOUTH GOVERNOR DISTRICT REGULATOR NEB.DXF" RECEIVED MARCH 17, 2017.
- DRAIN LINES, GAS LINES, ELECTRIC LINES, FUEL OIL LINES, SEWER LINES, STEAM LINES, TELEPHONE LINES, WATER LINES, AND TEXT LABEL ANNOTATIONS (LOWER CASE) WERE PROVIDED BY EVERSOURCE VIA GEI CONSULTANTS, INC. FROM AN AUTOCAD FILE ENTITLED "NEW BEDFORD PROPERTY.DWG" WHICH INCLUDED A PLAN ENTITLED "NEW BEDFORD GAS & ELECTRIC SERVICE CENTER, PROPERTY PLAN, CONDITIONS AS OF AUGUST 2, 2007, 175 & 180 MacARTHUR DRIVE, NEW BEDFORD, MA." PREPARED BY NSTAR, DATED MAY 30, 2002, REVISED AUGUST 2, 2007.

WATER STREET
EXTENSION
(PUBLIC-VARIABLE WIDTH)
(LAYOUT 6874A)AREA=
18,009 ± S.F.
or 0.413 ± AC.N/F
WATERFRONT HOSPITALITY, LLC
895B/4, 9145/42
PLAN BOOK 163 PAGE 97
[47-129, 211, 218]MacARTHUR
DRIVE
(PUBLIC - 40' WIDE)
(LAYOUT 6874A)N/F
COMMONWEALTH
GAS COMPANY
1816/224
[47-199, 200]

HOMER'S WHARF

MacARTHUR DRIVE
(PUBLIC-VARIABLE WIDTH)
(LAYOUT 6870D)

LEONARD'S WHARF

N/F
CITY OF NEW BEDFORD

SHEET TP-2

ZONING
CLASSIFICATION
WATERFRONT INDUSTRIAL ZONE

MacARTHUR DRIVE LAYOUT No. 6874A

COMBINED PIERHEAD AND BULKHEAD LINE
S+2.20'E 1153.80'MacARTHUR DRIVE
(PUBLIC - 42' WIDE)MacARTHUR DRIVE
(PUBLIC - 60' WIDE)N/F
COMMONWEALTH GAS COMPANY
3917/45
[42-287]
[47-181]AREA=
238,908 ± S.F.
or 5.485 ± AC.AREA=
211,700 ± S.F.
or 4.860 ± AC.

SHEET TP-3

N/F
SPRAGUE MASSACHUSETTS PROPERTIES LLC
7939/282
(PARCEL A)
PLAN BOOK 157 PLAN 59
[42-160, 47-241]N/F
COMMONWEALTH ELECTRIC COMPANY
1821/440
(PARCEL B)
PLAN BOOK 157 PLAN 59
[42-178]N/F
LUZO PROPERTIES LLC
5268/21
[42-271]N/F
COMMONWEALTH ELECTRIC
COMPANY
1821/440
[42-274]AREA=
70,558 ± S.F.
or 1.620 ± AC.

ACUSHNET RIVER

N/F
W TRADING, INC.

PREPARED FOR:

EVERSOURCE

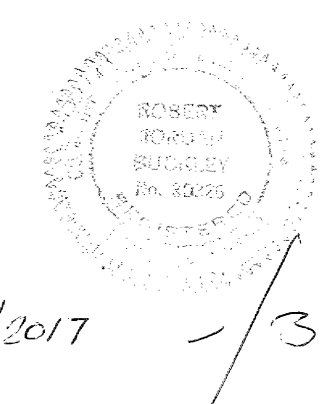
247 STATION DRIVE
WESTWOOD, MA 02090

RECORD OWNERS:

COMMONWEALTH
ELECTRIC
COMPANY1821/440
PARCEL C
PLAN BOOK 157 PLAN 59COMMONWEALTH
GAS COMPANY

3917/45

5		
4		
3		
2		
1		
0	04/06/2017	INITIAL ISSUE
	ISSUE DATE	DESCRIPTION
	ATL	MEB
	FLD	CALC
		DWN
		CHK'D

COPYRIGHT (C) BY BEALS AND THOMAS, INC.
ALL RIGHTS RESERVEDBOUNDARY AND
TOPOGRAPHIC PLAN
180 MacARTHUR DRIVE
NEW BEDFORD, MA
(BRISTOL COUNTY)

PREPARED BY:

BEALS & THOMAS
Civil Engineers + Landscape Architects +
Land Surveyors + Planners +
Environmental SpecialistsBEALS AND THOMAS, INC.
Reservoir Corporate Center
144 Turnpike Road
Southborough, Massachusetts 01772-2104
T 508.366.0560 | www.bealsandthomas.com

DATE: APRIL 6, 2017

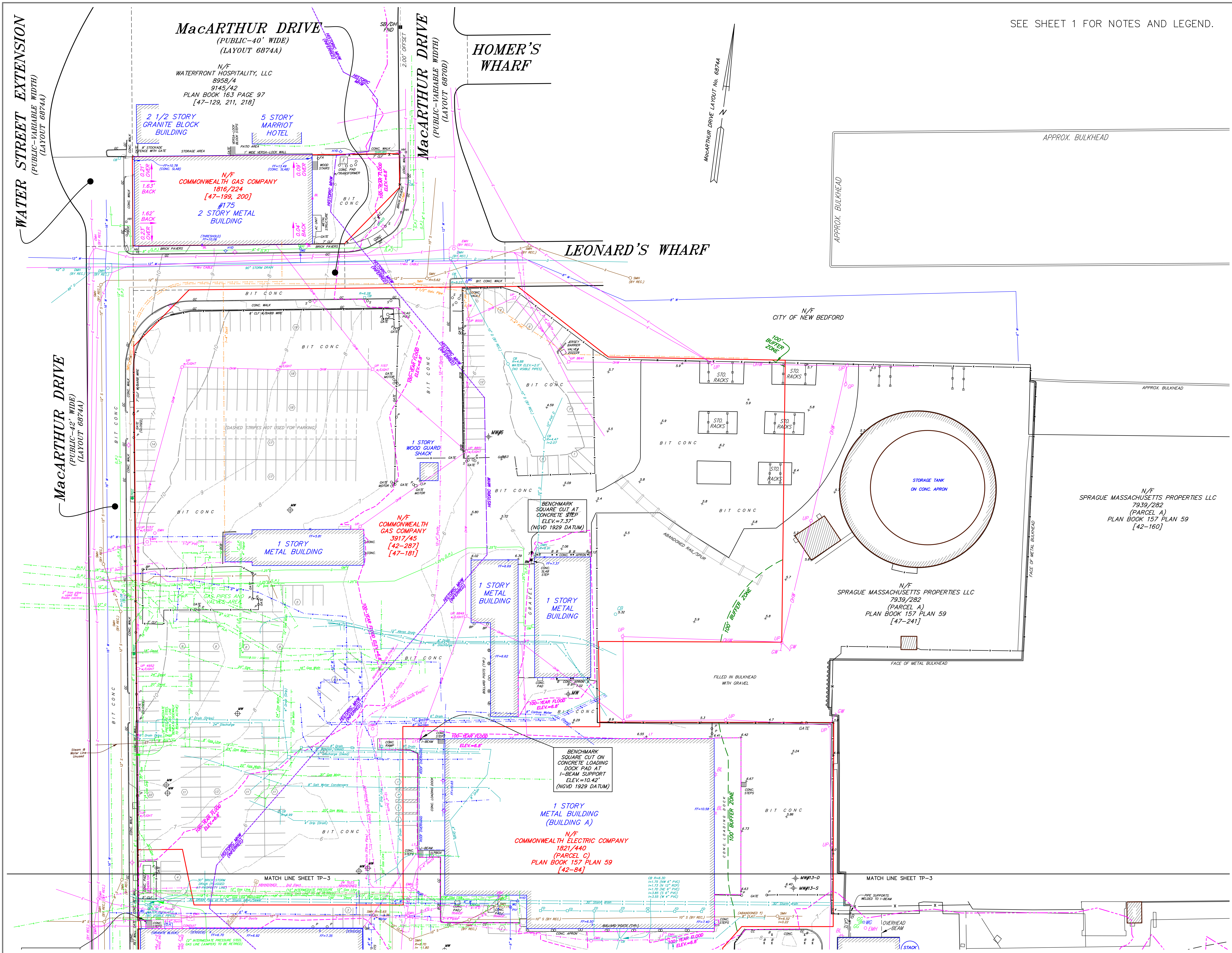
SCALE: 1" = 60'

B+T JOB NO. 1714.12

B+T PLAN NO.
171412P038A-001

SHEET No. 1 OF 3

TP-1



SEE SHEET 1 FOR NOTES AND LEGEND.

PREPARED FOR:
EVERSOURCE
247 STATION DRIVE
WESTWOOD, MA 02090

RECORD OWNERS:
**COMMONWEALTH
ELECTRIC
COMPANY**
1821/440
PARCEL C
PLAN BOOK 157 PLAN 59

**COMMONWEALTH
GAS COMPANY**
3917/45

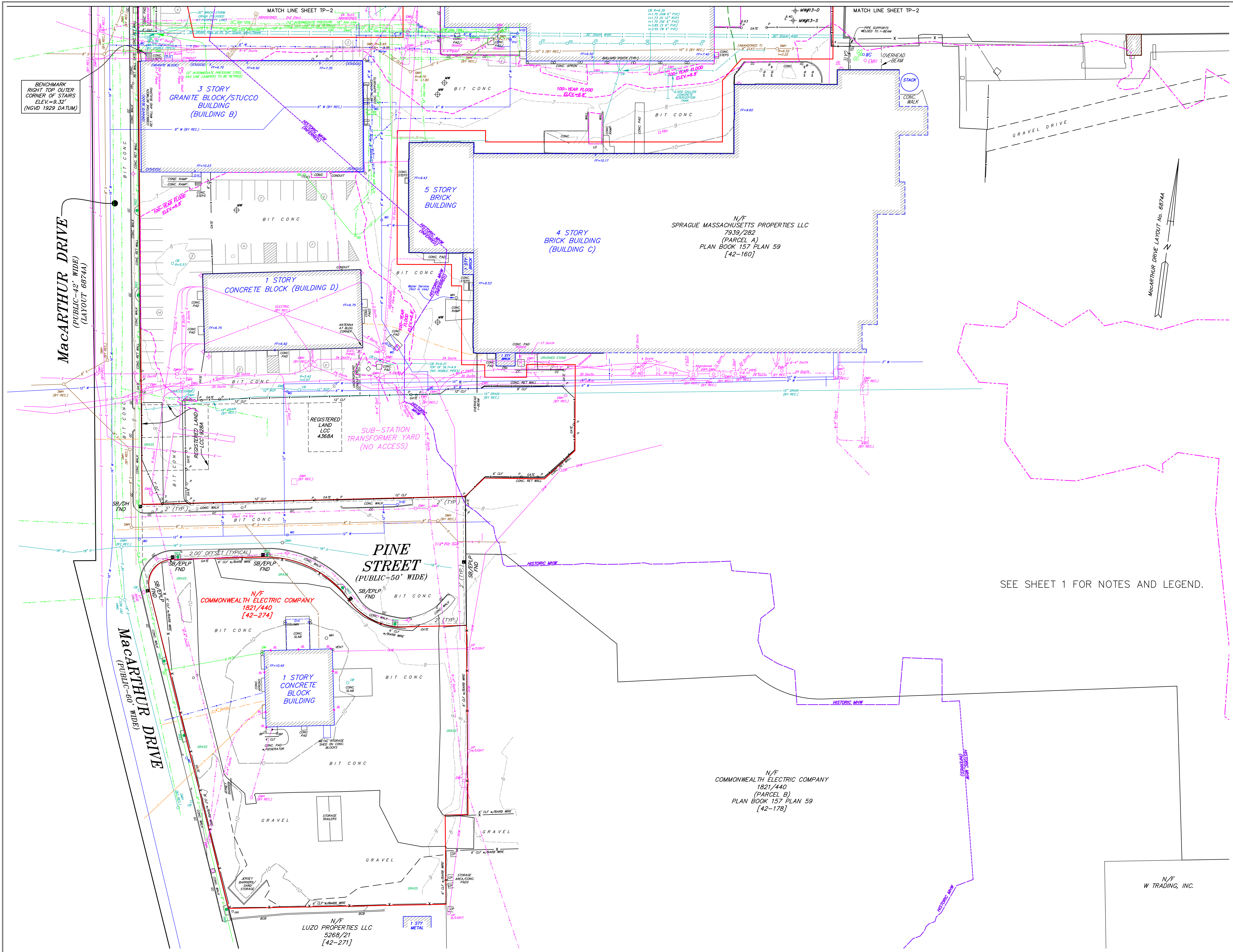
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4		
3		
2		
1		
0	04/06/2017	INITIAL ISSUE
	ISSUE DATE	DESCRIPTION
ATL	MEB	MEB RJB
FLD	CALC	DWN CHK'D

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**BOUNDARY AND
TOPOGRAPHIC PLAN**
180 MacARTHUR DRIVE
NEW BEDFORD, MA
(BRISTOL COUNTY)

PREPARED BY:
BEALS + THOMAS
Civil Engineers + Landscape Architects +
Land Surveyors + Planners +
Environmental Specialists
BEALS AND THOMAS, INC.
Reservoir Corporate Center
144 Turnpike Road
Southborough, Massachusetts 01772-2104
T 508.366.0560 | www.bealsandthomas.com

DATE: APRIL 6, 2017
SCALE: 1" = 30'
B+T JOB NO. 1714.12
B+T PLAN NO.
171412PO38A-002
SHEET NO. 2 OF 3
TP-2



PREPARED FOR:

EVERSOURCE

247 STATION DRIVE
WESTWOOD, MA 02090

RECORD OWNERS:

**COMMONWEALTH
ELECTRIC
COMPANY**

1821/440
PARCEL C
PLAN BOOK 157 PLAN 59

**COMMONWEALTH
GAS COMPANY**

3917/45

5		
4		
3		
2		
1		
0	04/06/2017	INITIAL ISSUE
	ISSUE DATE	DESCRIPTION
ATL	MEB	MEB RJB
FLD	CALC	DWN CHK'D

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**BOUNDARY AND
TOPOGRAPHIC PLAN**

180 MacARTHUR DRIVE
NEW BEDFORD, MA
(BRISTOL COUNTY)

PREPARED BY:

BEALS + THOMAS

Civil Engineers + Landscape Architects +
Land Surveyors + Planners +
Environmental Specialists

BEALS AND THOMAS, INC.
Reservoir Corporate Center
144 Turnpike Road
Southborough, Massachusetts 01772-2104
T 508.366.0560 | www.bealsandthomas.com

DATE: APRIL 6, 2017

SCALE: 1" = 30'

B+T JOB NO. 1714.12

B+T PLAN NO.
171412PO38A-003

SHEET No. 3 OF 3

TP-3

BEALS + THOMAS LEGEND

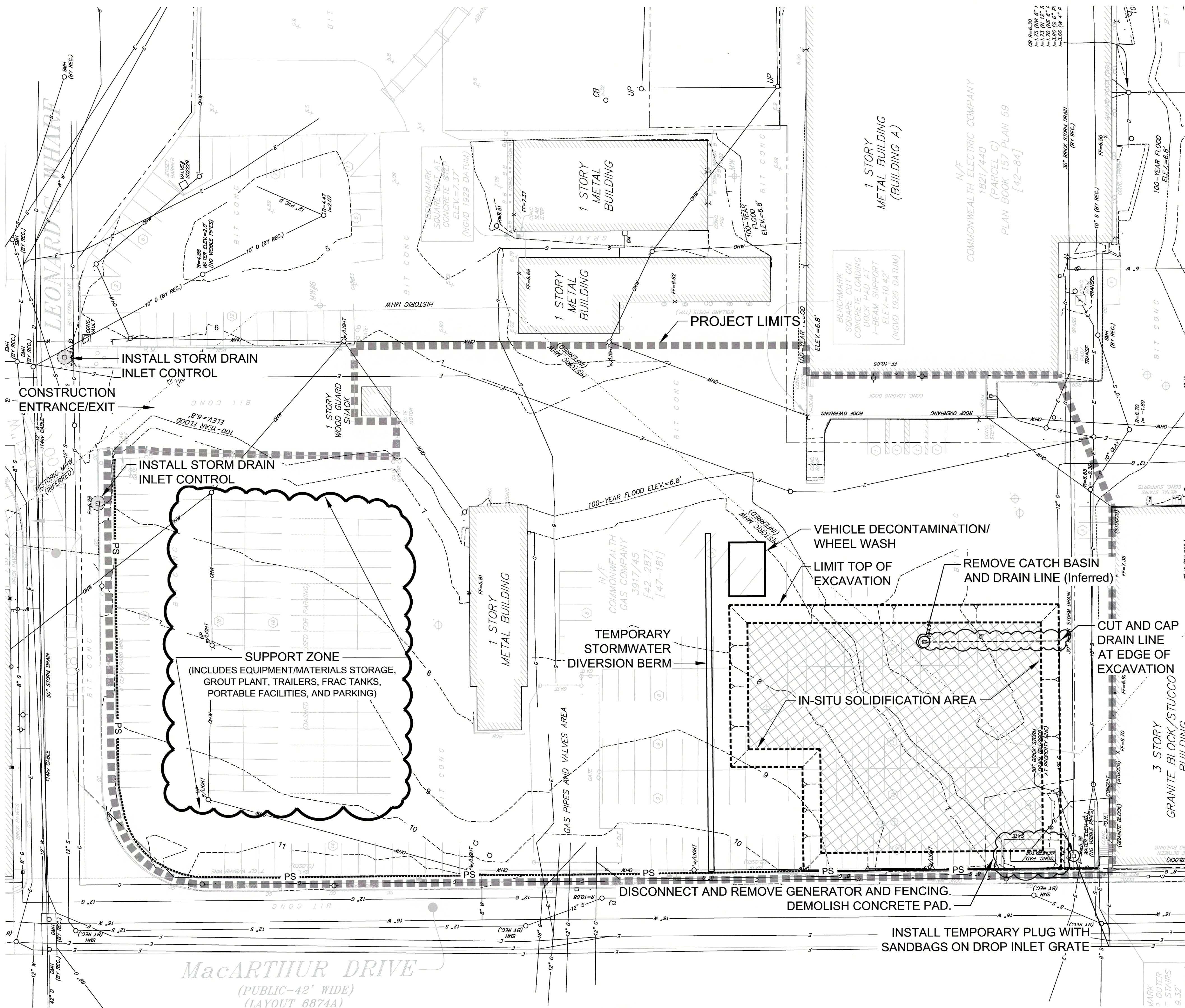
- SEWER LINE/MANHOLE
DRAIN LINE/MANHOLE
CATCH BASIN
COMCAST LINE
GAS LINE/GATE
WATER LINE/GATE
HYDRANT
POST INDICATOR VALVE
TELEPHONE LINE/MANHOLE
ELECTRIC LINE/MANHOLE
OVERHEAD WIRE
LIGHT POLE
UTILITY POLE
GUY WIRE
BUILDING LIGHT
SIGN
POST
BOLLARD POST
HAND HOLE
MONITORING WELL
MISC. MANHOLE
PULL BOX
CHAIN LINK FENCE
CONCRETE CURB
GRANITE CURB
BITUMINOUS CONCRETE BERM
TREE
- BUILDING
NO. OF PARKING SPACES IN ROW
100-YEAR FLOOD ELEVATION
MINOR CONTOUR
MAJOR CONTOUR
100' BUFFER ZONE
- HISTORIC MHW (TAKEN FROM MASSGIS LOCATION NOT CONFIRMED (PRESUMPTIVE))
HISTORIC MHW INFERRED (TAKEN FROM MASSGIS)
SPOT ELEVATION
BITUMINOUS CONCRETE
BENCHMARK
CONCRETE
ELECTRIC METER
EDGE OF PAVEMENT
GAS METER
LOADING DOCK
POLYVINYL CHLORIDE
REINFORCED CONCRETE PIPE
RETAINING WALL
ELECTRIC TRANSFORMER
STONE BOUND
DRILL HOLE
CONVENTIONAL DRAIN CATCH BASIN

BEALS + THOMAS NOTES

- UNDERGROUND UTILITIES SHOWN ARE FROM OBSERVED SURFACE INDICATIONS, SUBSURFACE INDICATIONS, AND COMPILED FROM AVAILABLE RECORD PLANS OF UTILITY COMPANIES AND PUBLIC AGENCIES AND ARE APPROXIMATE ONLY. BEFORE CONSTRUCTION CALL "DIG SAFE" 1-888-344-7233.
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- ALL ELEVATIONS REFER TO THE NATIONAL GEODETIC VERTICAL DATUM OF 1929 (NGVD29).
- EASEMENTS OF RECORD ARE NOT SHOWN.
- THE PARCELS SHOWN ARE LOCATED IN ZONE AE ELEVATION 6' (NAVD83) (SPECIAL FLOOD HAZARD AREAS SUBJECT TO INUNDATION BY THE 1% ANNUAL CHANCE FLOOD; BASE FLOOD ELEVATIONS DETERMINED), AND ZONE X (AREAS OF 0.2% ANNUAL CHANCE FLOOD; AREAS OF 1% ANNUAL CHANCE FLOOD WITH AVERAGE DEPTHS OF LESS THAN 1 FOOT OR WITH DRAINAGE AREAS LESS THAN 1 SQUARE MILE), AND AREAS PROTECTED BY LEVEES FROM 1% ANNUAL CHANCE FLOODS) AS SHOWN ON "FLOOD INSURANCE RATE MAP, BRISTOL COUNTY, MASSACHUSETTS (ALL JURISDICTIONS) PANEL 393 OF 550", MAP NUMBER 25050C03936, MAP REVISED JULY 16, 2014, (ELEVATION 6.0' NAVD83 DATUM SHOWN ON THE FLOOD MAP WAS CONVERTED TO ELEVATION 6.8' NGVD29 DATUM.)

ZONING
CLASSIFICATION

WATERFRONT INDUSTRIAL ZONE



CONSTRUCTION NOTES:

CONSTRUCTION SEQUENCE:

1. Install site controls including fabric on existing fence line to provide privacy screen and storm drain inlet protection where shown. See Details on Sheet D-01.
2. Cut and temporarily cap and install temporary plug, as applicable, storm drains within work area as shown.
3. Construct vehicle decontamination/wheel wash pad.
4. Construct temporary storm water diversion berm at location shown.
5. Disconnect and remove generator.
6. Remove asphalt and concrete pad within work area to limit of top of excavation.
7. Perform excavation and in-situ stabilization as shown in Sheet D-01.
8. Replace impacted storm drain and drain line as shown in Sheet R-01.
9. Backfill with compacted fill and restore pavement to match existing grades as shown in Sheet R-01. See Details in Sheet D-01 for pavement construction.
10. Demobilize equipment and materials.
11. Remove storm drain inlet controls and fence fabric.

SEDIMENT CONTROLS:

1. Install storm drain inlet controls consisting of silt sacks or equivalent approved by the Engineer at locations shown. See Detail in Sheet D0-1.
2. Implement water spray to control dust as needed or at the direction of the Engineer.
3. Wash trucks and truck wheels as needed prior to leaving the Site to minimize tracking.

GENERAL:

1. Temporary stockpiles allowed only within ISS area.
2. Fence line privacy fabric must be knitted polyethylene with a minimum of 80% visibility blockage with reinforced bindings on edges and corners. Material must be UV stabilized for sun resistance, have a minimum breaking strength of 500lb/ft and a weight of no less than 125 grams/sq. yard. Color must be dark green or black.

LEGEND:

- PROJECT LIMITS
- FABRIC ADDED TO EXISTING CHAIN LINK FENCE FOR PRIVACY SCREEN
- STORM DRAIN INLET CONTROL INSTALLED
- IN-SITU SOLIDIFICATION (ISS) AREA
- EXCAVATION SLOPE (2H:1V) TO TOP OF ISS AREA

NOTES:

1. BASE PLAN PROVIDED BY BEALS + THOMAS, INC. ON 3/15/2017.

For Permitting Only;
Not for Construction

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Designed: K. WOLFE
Checked: L. LOMBARDO
Drawn: P. CLINGEN
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ENERGY
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107 SELDON STREET
BERLIN, CT 06037

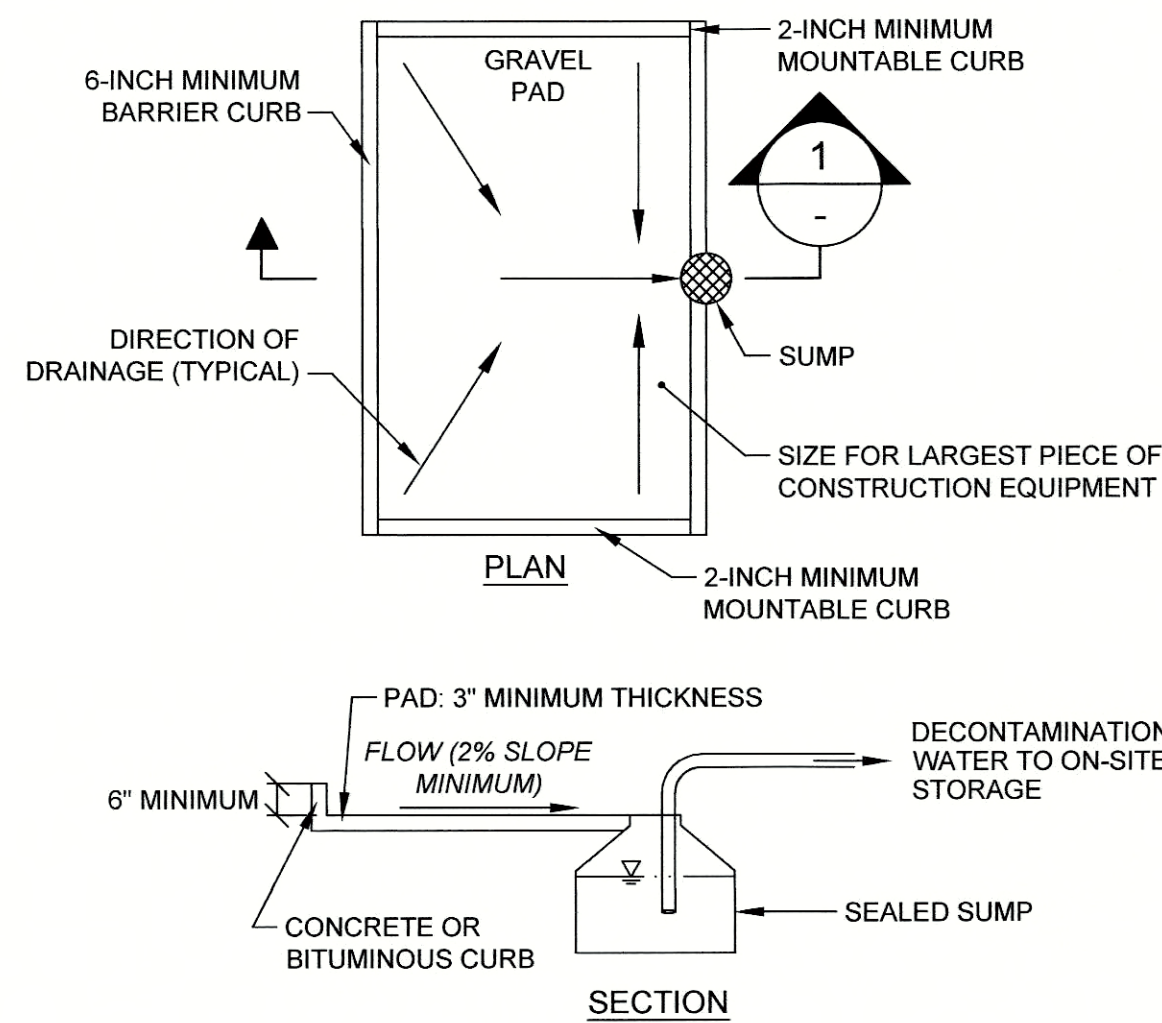
GEI
Consultants
GEI CONSULTANTS, INC.
400 UNICORN PARK DRIVE
WOUBURN, MA 01801

GEI Project 1611152

Former Manufactured Gas Plant
180 MacArthur Drive
New Bedford, Massachusetts

SITE MANAGEMENT PLAN

DWG. NO.
C-02
REV.
0

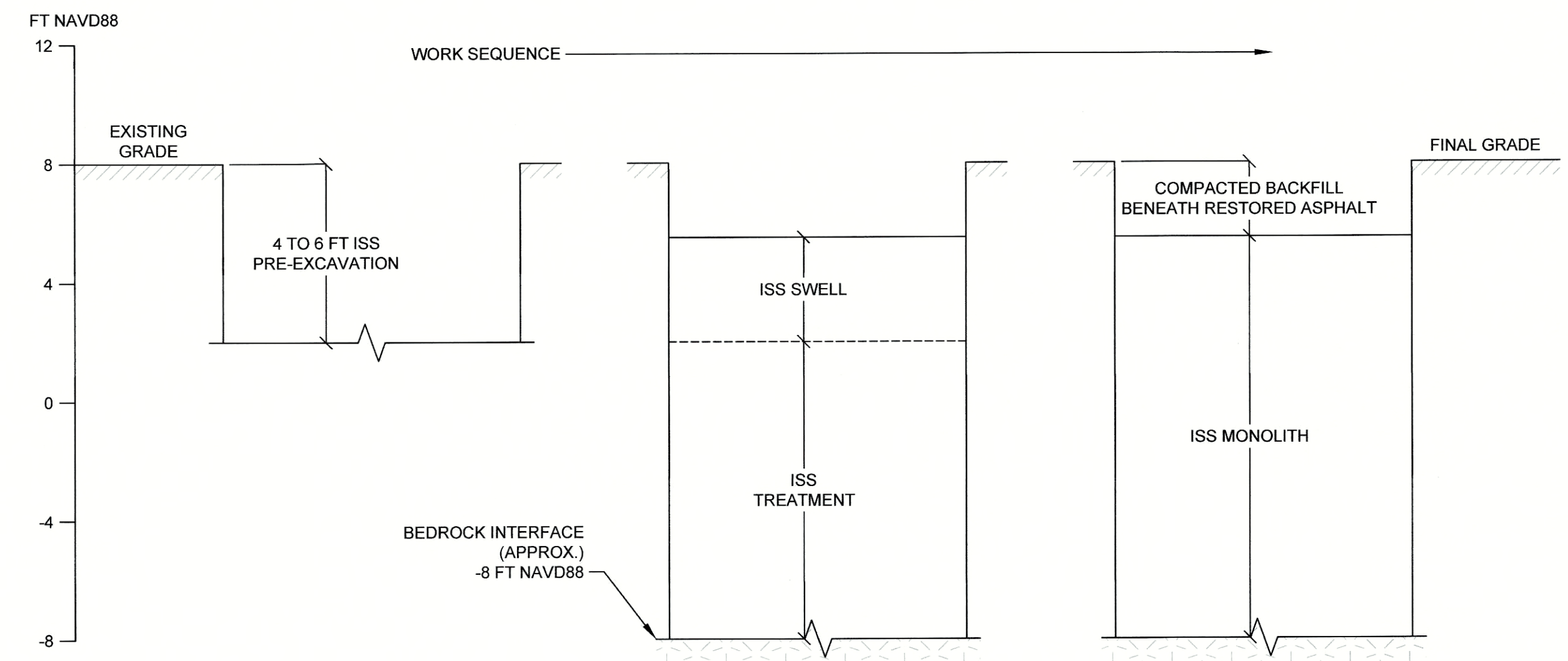


1
D-01 DETAIL
VEHICLE DECONTAMINATION / WHEEL WASH

SCALE: N.T.S.

DECONTAMINATION NOTE:

ALL VEHICLES EXITING EXCLUSION ZONE MUST PASS THROUGH THE VEHICLE DECONTAMINATION / WHEEL WASH AS REQUIRED BY THE CONSTRUCTION MANAGER.

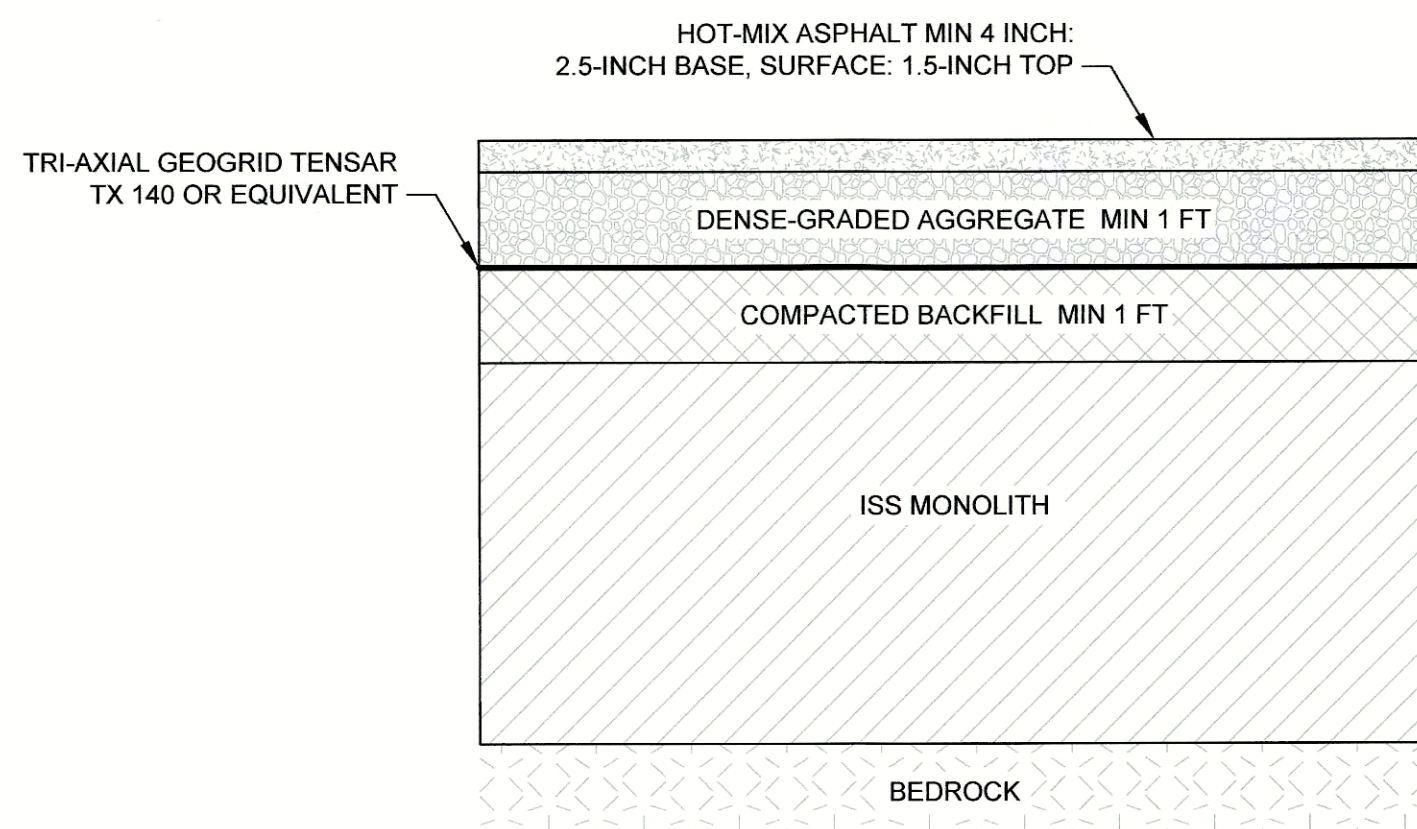
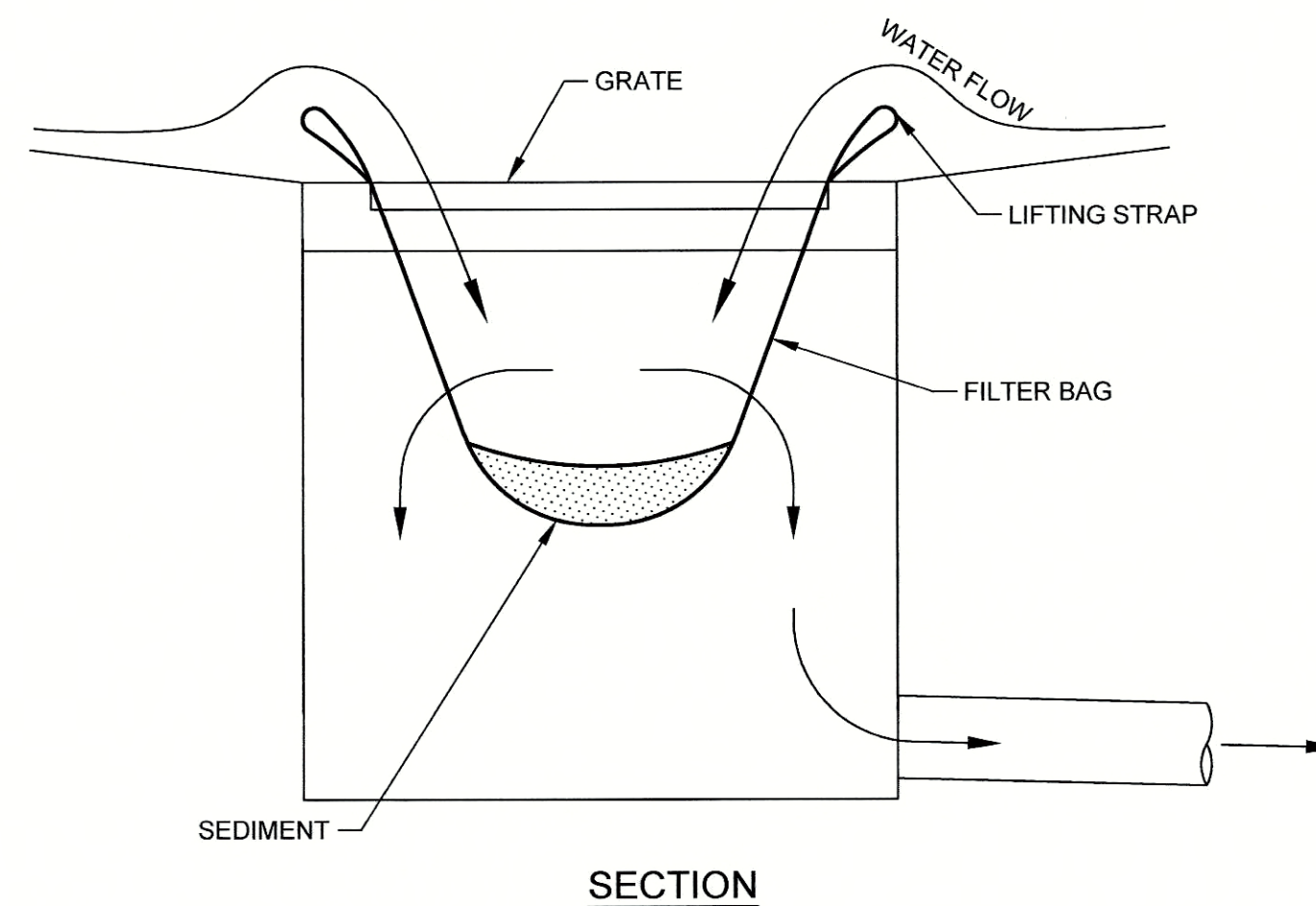


2
D-01 DETAIL
EXCAVATION AND ISS WORK SEQUENCE

SCALE: 1" = 4'

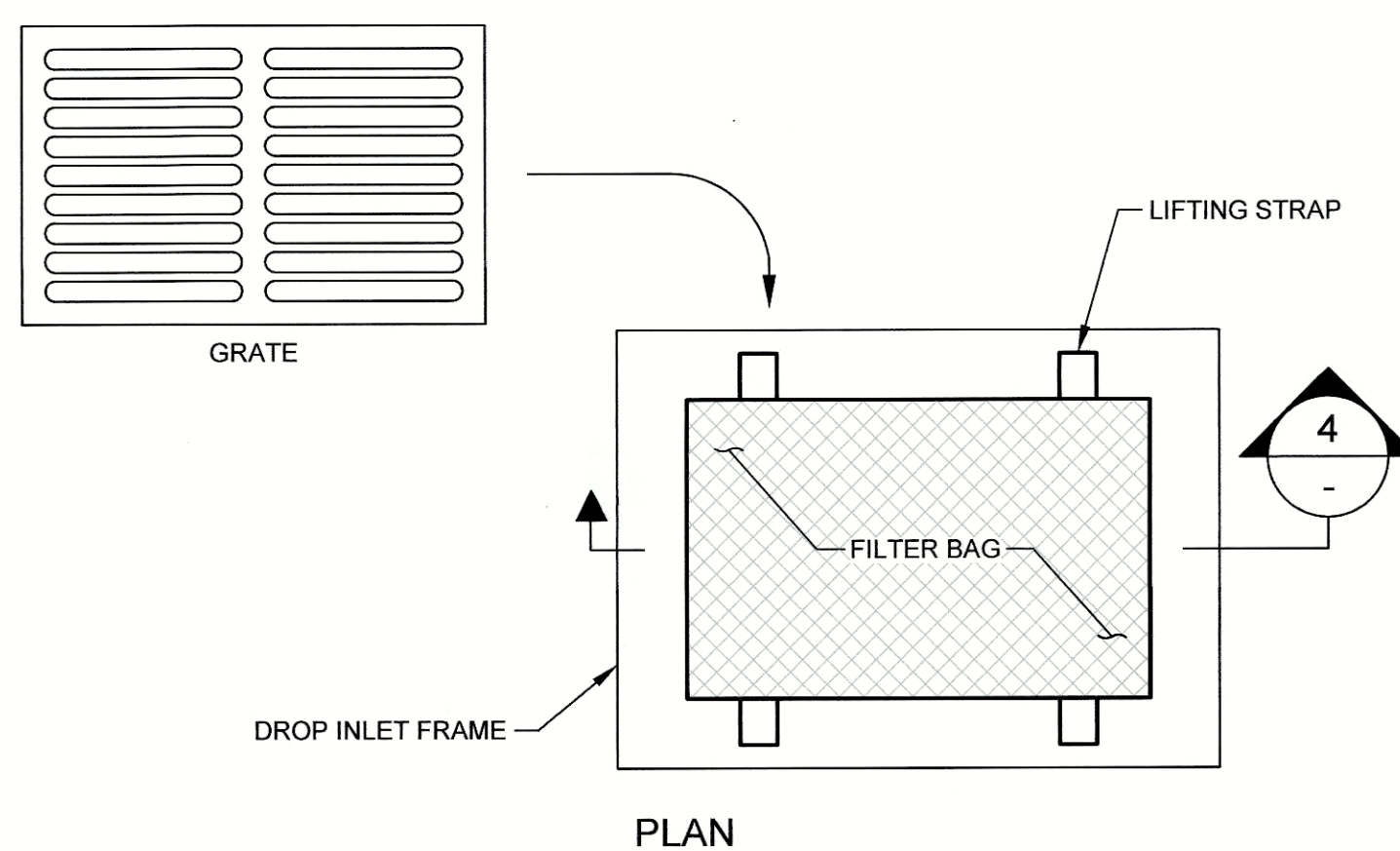
NOTE:

PRE-EXCAVATION, SOLIDIFICATION, AND SWELL DEPTHS ARE APPROXIMATE. PERFORM SOLIDIFICATION TO REFUSAL AT BEDROCK AND BALANCE PRE-EXCAVATION WITH SWELL TO LEAVE SUFFICIENT FREEBOARD FOR BACKFILL WITH MINIMAL SWELL DISPOSAL.



SECTION

PLAN



5
D-01 DETAIL
TEMPORARY STORMWATER
DIVERSION BERM

SCALE: N.T.S.

3
D-01 DETAIL
RESTORED ASPHALT PAVEMENT
AND SUB-BASE

SCALE: N.T.S.

4
D-01 DETAIL
STORM DRAIN INLET CONTROL

SCALE: N.T.S.

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Designed: J. WILLIAMS
Checked: L. LOMBARDO
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DETAILS

DWG. NO.
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