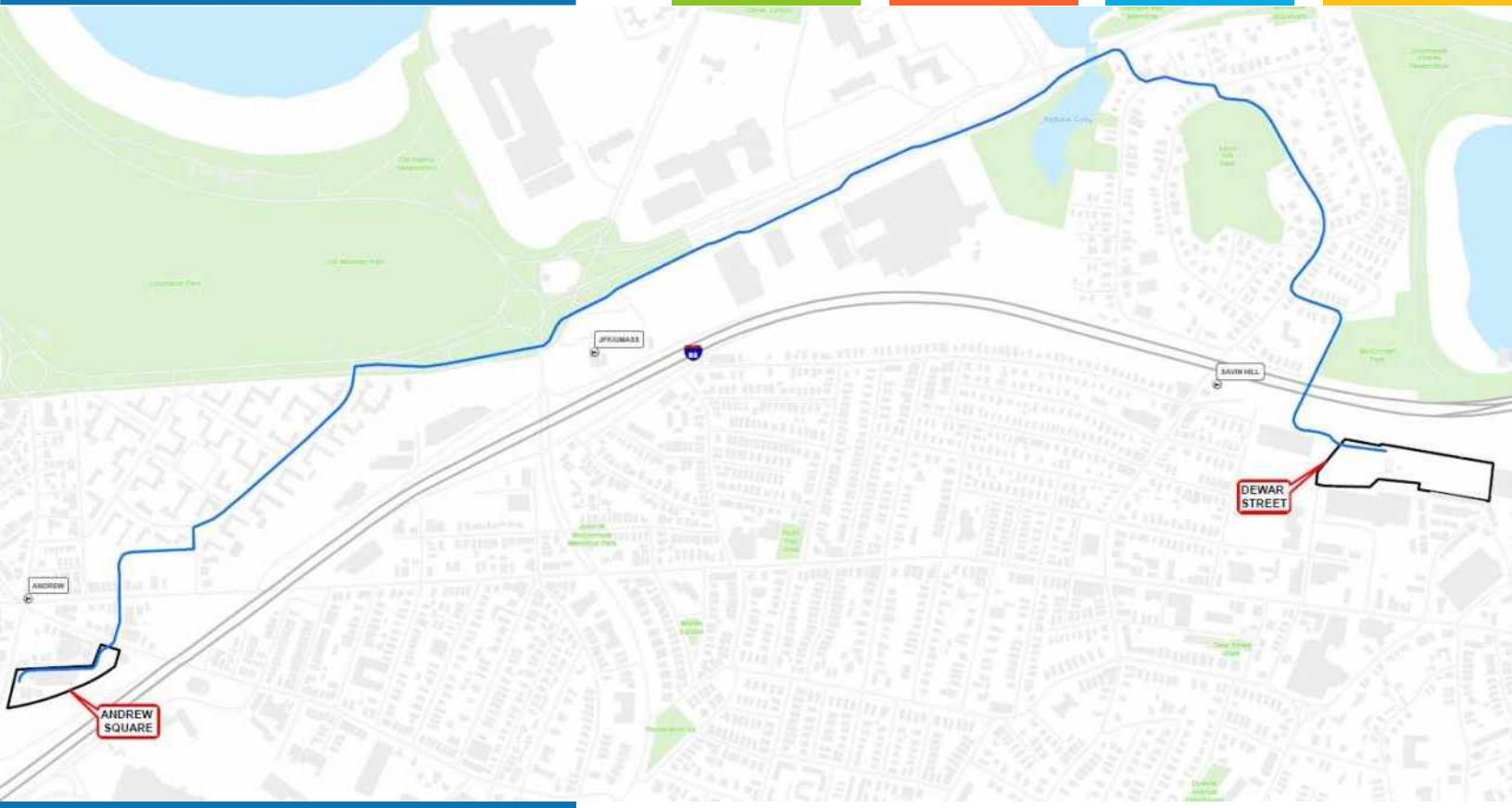


Andrew Square to Dewar Street Reliability Project
Boston, Massachusetts

NOTICE OF INTENT

NSTAR Energy Company d/b/a Eversource Energy
Westwood, Massachusetts

May 2021

Tighe&Bond
Engineers | Environmental Specialists

100% Recyclable

E-0755-072C
May 4, 2021

Boston Conservation Commission
1 City Hall Square
Room 709
Boston, MA 02201

Re: **Notice of Intent**
Andrew Square to Dewar Street Reliability Project

Dear Members of the Commission:

On behalf of NSTAR Electric Company d/b/a Eversource Energy, Tighe & Bond is submitting this Notice of Intent (NOI) for the Andrew Square to Dewar Street Reliability Project. The project involves installation of a new 115-kV underground transmission line between Eversource's existing Andrew Square Substation located in South Boston and their existing Dewar Street Substation located in Dorchester. The entirety of the project is located in Boston, Massachusetts and the work within Conservation Commission jurisdiction is located within the public roadway rights-of-way located on O'Callaghan Way, Columbia Road, William T. Morrissey Boulevard, Old Colony Terrace, Playstead Road, and Springdale Street.

This NOI is being filed under the Massachusetts Wetlands Protection Act (MAWPA, MGL c. 131 § 40) and its implementing regulations (310 CMR 10.00) and the Boston Wetlands Ordinance (Chapter VII-I.IV of the City of Boston Code of Ordinances) and implementing regulations. Wetland resources within the limit of work include Land Subject to Coastal Storm Flowage and the 100-foot Buffer Zone to wetland resource areas. A copy of this NOI has been submitted to the Massachusetts Department of Environmental Protection (MassDEP) Northeast Regional Wetlands Program.

In compliance with the MAWPA and the City of Boston's Wetlands Protection Ordinance, notification to abutters regarding this NOI will be made by certified mail at least one week prior to the hearing. A USGS Site Locus, Priority Resource Map, and Orthophotograph figure depicting existing wetland resource areas and FEMA flood zones are provided in Appendix A. Project plans are provided in Appendix B, site photographs are included in Appendix C, and a copy of the abutter notification form and a list of abutters has been enclosed in Appendix D.

Please advertise this matter for public hearing at the next regularly scheduled Commission hearing on May 19, 2021. In compliance with the City of Boston's Wetlands Protection Ordinance, notice of the public hearing will be published in *The Boston Herald* and the Commission's Website on May 14, 2021.

We believe the attached narrative is sufficient to allow the Commission to render an Order of Conditions, confirming that the proposed work adequately protects the interests identified in the WPA and the Boston Wetlands Protection Ordinance. We look forward to discussing this project with you. If you have any questions or need additional information, please contact me at (413) 572-3256 or TJAdamski@TigheBond.com. Thank you for your attention to this request.

Very truly yours,

TIGHE & BOND, INC.

Tracy J. Adamski, AICP
Vice President

Enclosures
Copy: MassDEP, Northeast Regional Office (*via certified mail*)
MassDEP, Boston Office, Division of Waterways (*via certified mail*)
Division of Marine Fisheries – North Shore Office (*via certified mail*)

J:\E\E0755 - Eversource L&P\E0755-72 Andrew Square to Dewar Street\Permitting\NOI\1 - Draft NOI Cover Letter.docx

J:\E\E0755 - Eversource L&P\E0755-72 Andrew Square to Dewar Street\Permitting\NOI\3 - Draft NOI Narrative_rev.docx

Section 1
Required Forms

- WPA Form 3 – Notice of Intent
- Boston Notice of Intent Form
- Wetland Fee Transmittal Form
- Boston Notice of Intent Checklist

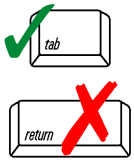
Massachusetts Department of Environmental Protection
Bureau of Resource Protection - Wetlands

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
Boston
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):

O'Callaghan Way, Columbia Rd, Morrissey Blvrd, Old Colony Terrace, Playstead Rd, and Springdale St (a. Street Address)
Boston (b. City/Town)
02125 (c. Zip Code)
Latitude and Longitude:
42°19'43.75"N (d. Latitude)
71° 3'29.77"W (e. Longitude)
N/A - Right-of-Way (f. Assessors Map/Plat Number)
N/A - Right-of-Way (g. Parcel /Lot Number)

2. Applicant:

Christopher (a. First Name)
Newhall (b. Last Name)
NSTAR Electric Company d/b/a Eversource Energy (c. Organization)
247 Station Drive (d. Street Address)
Westwood (e. City/Town)
MA (f. State)
02090 (g. Zip Code)
508-735-0387 (h. Phone Number)
(i. Fax Number)
christopher.newhall@eversource.com (j. Email Address)

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

Ryan (a. First Name)
Woods (b. Last Name)
Boston Parks & Recreation Department (c. Organization)
1010 Massachusetts Avenue, 3rd Floor (d. Street Address)
Boston (e. City/Town)
MA (f. State)
02118 (g. Zip Code)
617-635-7275 (h. Phone Number)
(i. Fax Number)
Ryan.woods@boston.gov (j. Email address)

4. Representative (if any):

Tracy (a. First Name)
Adamski (b. Last Name)
Tighe & Bond (c. Company)
53 Southampton Road (d. Street Address)
Westfield (e. City/Town)
MA (f. State)
01085 (g. Zip Code)
413-572-3256 (h. Phone Number)
413-562-5317 (i. Fax Number)
TJAdamski@tighebond.com (j. Email address)

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

$500 (a. Total Fee Paid)
$237.50 (b. State Fee Paid)
$262.50 (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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A. General Information (continued)

6. General Project Description:

The Andrew Square to Dewar Street Reliability Project involves the installation of a new underground electrical transmission line within the public roadway right-of-way located on O'Callaghan Way, Columbia Road, William T. Morrissey Boulevard, Old Colony Terrace, Playstead Road, and Springdale Street. Please refer to the attached narrative for additional details.

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

1. ☐ Single Family Home
2. ☐ Residential Subdivision
3. ☐ Commercial/Industrial
4. ☐ Dock/Pier
5. ☒ Utilities
6. ☐ Coastal engineering Structure
7. ☐ Agriculture (e.g., cranberries, forestry)
8. ☐ Transportation
9. ☐ 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)

310 CMR 10.24(7)(b)
2. Limited Project Type

If the proposed activity is eligible to be treated as an Ecological Restoration Limited Project (310 CMR10.24(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:

Suffolk	N/A - ROW
a. County	b. Certificate # (if registered land)
421	85
c. Book	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.

Massachusetts Department of Environmental Protection
Bureau of Resource Protection - Wetlands

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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. ☐ 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 3. cubic yards dredged	2. square feet

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

Massachusetts Department of Environmental Protection
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Provided by MassDEP:

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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. ☐ Designated Port Areas	Indicate size under Land Under the Ocean, below	
b. ☐ Land Under the Ocean	1. square feet 2. cubic yards dredged	
c. ☐ Barrier Beach	Indicate size under Coastal Beaches and/or Coastal Dunes below	
d. ☐ Coastal Beaches	1. square feet	2. cubic yards beach nourishment
e. ☐ Coastal Dunes	1. square feet	2. cubic yards dune nourishment

Resource Area	Size of Proposed Alteration	Proposed Replacement (if any)
f. ☐ Coastal Banks	1. linear feet	
g. ☐ Rocky Intertidal Shores	1. square feet	
h. ☐ Salt Marshes	1. square feet	2. sq ft restoration, rehab., creation
i. ☐ Land Under Salt Ponds	1. square feet 2. cubic yards dredged	
j. ☐ Land Containing Shellfish	1. square feet	
k. ☐ 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. ☒ Land Subject to Coastal Storm Flowage	15,000 (temporary) 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

Massachusetts Department of Environmental Protection
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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

   08/01/2017
   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.

Massachusetts Department of Environmental Protection
Bureau of Resource Protection - Wetlands
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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/nhesp/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/nhesp/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
836 South Rodney French Blvd.
New Bedford, MA 02744
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.

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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Boston
City/Town

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

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

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:

      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.

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

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City/Town

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.

Andrew Square to Dewar Street Reliability Project 115 kV Underground Transmission Line
a. Plan Title

Power Engineers
b. Prepared By

Todd Goyette
c. Signed and Stamped by

4/27/21
d. Final Revision Date

As noted
e. Scale

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:

5158
2. Municipal Check Number

4/15/2021
3. Check date

5161
4. State Check Number

4/15/2021
5. Check date

Tighe & Bond
6. Payor name on check: First Name

7. Payor name on check: Last Name

Massachusetts Department of Environmental Protection
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WPA Form 3 – Notice of Intent

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

Provided by MassDEP:

MassDEP File Number

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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.

1. Signature of Applicant — 2. Date: 4/15/2021

3. Signature of Property Owner (if different) — 4. Date: 4/27/2021

6. Signature of Representative (if any) — 6. Date: 05/04/2021

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.

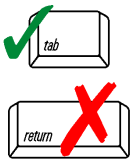
The original and copies must be sent simultaneously. Failure by the applicant to send copies in a timely manner may result in dismissal of the Notice of Intent.

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:

O'Callaghan Way, Columbia Rd, Morrissey Blvd, Old Colony Terrace, Playstead Rd, Springdale St	Boston (b. City/Town)
(c. Check number)	$500 (d. Fee amount)

2. Applicant Mailing Address:

Christopher (a. First Name)		Newhall (b. Last Name)	
NSTAR Electric Company d/b/a Eversource Energy (c. Organization)			
247 Station Drive (d. Mailing Address)			
Westwood (e. City/Town)		MA (f. State)	02090 (g. Zip Code)
508-735-0387 (h. Phone Number)		(i. Fax Number)	christopher.newhall@eversource.com (j. Email Address)

3. Property Owner (if different):

Ryan (a. First Name)		Woods (b. Last Name)	
Boston Parks & Recreation Department (c. Organization)			
1010 Massachusetts Avenue, 3rd Floor (d. Mailing Address)			
Boston (e. City/Town)		MA (f. State)	02118 (g. Zip Code)
617-635-7275 (h. Phone Number)		(i. Fax Number)	Ryan.woods@boston.gov (j. Email Address)

B. Fees

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

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.

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

B. Fees (continued)

Step 1/Type of Activity	Step 2/Number of Activities	Step 3/Individual Activity Fee	Step 4/Subtotal Activity Fee
Category 2(f) – other activity not in Category 1, 3, 4, 5 or 6	1	$500	$500

Step 5/Total Project Fee: $500

Step 6/Fee Payments:

Total Project Fee:	$500 (a. Total Fee from Step 5)
State share of filing Fee:	$237.50 (b. 1/2 Total Fee **less $**12.50)
City/Town share of filling Fee:	$262.50 (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.)

From:
Tighe & Bond, Inc.
53 Southampton Road
Westfield, MA 01085

CHECK ENCLOSED

$262.50
Check #5158

Payment to:
Boston Conservation Commision

You have a $262.50 payment waiting

Boston Conservation Commision,

This is a reminder about a payment notification originally sent on 04/15/2021. Follow this link to securely retrieve your check.

You have 76 days left to retrieve this check. After that, you will need to contact the check issuer (Tighe & Bond, Inc.) and ask them for a check with a refreshed date.

From:
Tighe & Bond, Inc.
53 Southampton Road
Westfield, MA 01085

CHECK ENCLOSED

$1,800.00
Check #5159

Payment to:
Boston Conservation Commision

You have a $1,800.00 payment waiting

Boston Conservation Commision,

This is a reminder about a payment notification originally sent on 04/15/2021. Follow this link to securely retrieve your check.

You have 76 days left to retrieve this check. After that, you will need to contact the check issuer (Tighe & Bond, Inc.) and ask them for a check with a refreshed date.

From:
Tighe & Bond, Inc.
53 Southampton Road
Westfield, MA 01085

CHECK ENCLOSED

$237.50
Check #5161

Payment to:
Commonwealth of Massachusetts 34014

You have a $237.50 payment waiting

Commonwealth of Massachusetts 34014,

This is a reminder about a payment notification originally sent on 04/15/2021. Follow this link to securely retrieve your check.

You have 76 days left to retrieve this check. After that, you will need to contact the check issuer (Tighe & Bond, Inc.) and ask them for a check with a refreshed date.

INSTRUCTIONS FOR COMPLETING APPLICATION
NOTICE OF INTENT – BOSTON NOI FORM

The Boston Notice of Intent Form is intended to be a supplement to the WPA Form 3 detailing impacts to locally designated wetland resource areas and buffer zones. Please read these instructions for assistance in completing the Notice of Intent application form. These instructions cover certain items on the Notice of Intent form that are not self-explanatory.

INSTRUCTIONS TO SECTION B: BUFFER ZONE AND RESOURCE AREA IMPACTS

Item 1. Buffer Zone Only. If you check the Buffer Zone Only box in this section you are indicating that the project is entirely in the Buffer Zone to a resource area ***under both*** the Wetlands Protection Act and Boston Wetlands Ordinance. If so, skip the remainder of Section B and go directly to Section C. Do not check this box if the project is within the Waterfront Area.

Item 2. The ***boundaries of coastal resource areas*** specific to the Ordinance can be found in Section II of the Boston Wetlands Regulations. You must also include the size of the proposed alterations (and proposed replacement areas) in each resource area.

Item 3. The ***boundaries of inland resource areas*** specific to the Ordinance can be found in Section II of the Boston Wetlands Regulations. You must also include the size of the proposed alterations (and proposed replacement areas) in each resource area.

INSTRUCTIONS TO SECTION C: OTHER APPLICABLE STANDARDS AND REQUIREMENTS

Item 1. Rare Wetland Wildlife Habitat. Except for Designated Port Areas, no work (including work in the Buffer Zone) may be permitted in any resource area that would have adverse effects on the habitat of rare, "state-listed" vertebrate or invertebrate animal species.

The most recent Estimated Habitat Map of State-Listed Rare Wetland Wildlife is published by the Natural Heritage and Endangered Species Program (NHESP). See: http://maps.massgis.state.ma.us/PRI_EST_HAB/viewer.htm or the *Massachusetts Natural Heritage Atlas*.

If any portion of the proposed project is located within Estimated Habitat, the applicant must send the Natural Heritage Program, at the following address, a copy of the Notice of Intent by certified mail or priority mail (or otherwise sent in a manner that guarantees delivery within two days), no later than the date of the filing of the Notice of Intent with the Conservation Commission.

Evidence of mailing to the Natural Heritage Program (such as Certified Mail Receipt or Certificate of Mailing for Priority Mail) must be submitted to the Conservation Commission along with the Notice of Intent.

Natural Heritage and Endangered Species Program
Division of Fisheries and Wildlife
1 Rabbit Hill Road
Westborough, MA 01581-3336
508.792.7270

City of Boston Environment

NOTICE OF INTENT APPLICATION FORM

Boston Wetlands Ordinance
City of Boston Code, Ordinances, Chapter 7-1.4

Boston File Number

MassDEP File Number

A. GENERAL INFORMATION

1. Project Location

a. Street Address	b. City/Town	c. Zip Code
O'Callaghan Way, Columbia Rd, Morrissey Blvd, Old Colony Terrace, Playstead Rd, and Springdale St	Boston	02125 & 02127

f. Assessors Map/Plat Number	g. Parcel /Lot Number
Various (see attached figures)	Various (see attached figures)

2. Applicant

a. First Name	b. Last Name	c. Company
Christopher	Newhall	NSTAR Electric Company d/b/a Eversource Energy

d. Mailing Address: 247 Station Drive

e. City/Town	f. State	g. Zip Code
Westwood	MA	02090

h. Phone Number	i. Fax Number	j. Email address
508-735-0387		Christopher.Newhall@eversource.com

3. Property Owner

a. First Name	b. Last Name	c. Company
Ryan	Woods	Boston Parks & Recreation Department

d. Mailing Address: 1010 Massachusetts Avenue, 3rd Floor

e. City/Town	f. State	g. Zip Code
Boston	MA	02118

h. Phone Number	i. Fax Number	j. Email address
617-635-7275		ryan.woods@boston.ma

❑ Check if more than one owner

(If there is more than one property owner, please attach a list of these property owners to this form.)

4. Representative (if any)

a. First Name	b. Last Name	c. Company
Tracy	Adamski	Tighe & Bond

d. Mailing Address: 53 Southampton Road

e. City/Town	f. State	g. Zip Code
Westfield	MA	01085

h. Phone Number	i. Fax Number	j. Email address
413-572-3256	413-572-5317	TJAdamski@tighebond.com

5. Is any portion of the proposed project jurisdictional under the Massachusetts Wetlands Protection Act M.G.L. c. 131 §40?

☒ Yes ☐ No

If yes, please file the WPA Form 3 - Notice of Intent with this form

6. General Information

The Andrew Square to Dewar Street Reliability Project involves the installation of a new underground electric transmission line within the public roadway right-of-way located on O'Callaghan Way, Columbia Road, William T. Morrissey Boulevard, Old Colony Terrace, Playstead Road, and Springdale Street in Boston, Massachusetts. Please refer to the attached narrative for additional details.

---

7. Project Type Checklist

a. ☐ Single Family Home
b. ☐ Residential Subdivision
c. ☐ Limited Project Driveway Crossing
d. ☐ Commercial/Industrial
e. ☐ Dock/Pier
f. ☒ Utilities
g. ☐ Coastal Engineering Structure
h. ☐ Agriculture – cranberries, forestry
i. ☐ Transportation
j. ☐ Other

8. Property recorded at the Registry of Deeds

Suffolk	**421**
a. County	b. Page Number
85	**N/A - ROW**
c. Book	d. Certificate # (if registered land)

9. Total Fee Paid

$2,300	**$237.50**	**$2,062.5 (262.50 - WPA Form, $1,800 - Boston ConCom)**
a. Total Fee Paid	b. State Fee Paid	c. City Fee Paid

B. BUFFER ZONE & RESOURCE AREA IMPACTS

Buffer Zone Only - Is the project located only in the Buffer Zone of a resource area protected by the Boston Wetlands Ordinance?

☐ Yes ☒ No

1. Coastal Resource Areas

Resource Area	Resource Area Size	Proposed Alteration*	Proposed Migitation
❑ *Coastal Flood Resilience Zone*	*Square feet*	*Square feet*	*Square feet*
☒ *25-foot Waterfront Area*	~9,000 sf *Square feet*	210 (temp) *Square feet*	210 *Square feet*
❑ *100-foot Salt Marsh Area*	*Square feet*	*Square feet*	*Square feet*
❑ *Riverfront Area*	*Square feet*	*Square feet*	*Square feet*

2. Inland Resource Areas

Resource Area	Resource Area Size	Proposed Alteration*	Proposed Migitation
❑ *Inland Flood Resilience Zone*	*Square feet*	*Square feet*	*Square feet*
❑ *Isolated Wetlands*	*Square feet*	*Square feet*	*Square feet*
❑ *Vernal Pool*	*Square feet*	*Square feet*	*Square feet*
❑ *Vernal Pool Habitat (vernal pool + 100 ft. upland area)*	*Square feet*	*Square feet*	*Square feet*
❑ *25-foot Waterfront Area*	*Square feet*	*Square feet*	*Square feet*
❑ *Riverfront Area*	*Square feet*	*Square feet*	*Square feet*

C. OTHER APPLICABLE STANDARDS & REQUIREMENTS

1. What other permits, variances, or approvals are required for the proposed activity described herein and what is the status of such permits, variances, or approvals?

Refer to Section 6, Table 6-1 of the attached narrative

2. 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 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://www.mass.gov/dfwele/dfw/nhesp/nhregmap.htm.

❑ Yes ☒ No

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

A. Submit Supplemental Information for Endangered Species Review

☐ Percentage/acreage of property to be altered:

(1) within wetland Resource Area _____ percentage/acreage

(2) outside Resource Area _____ percentage/acreage

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

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

❑ Yes ☒ No

If yes, provide the name of the ACEC: _____

4. Is the proposed project subject to provisions of the Massachusetts Stormwater Management Standards?

☒ *Yes. Attach a copy of the Stormwater Checklist & Stormwater Report as required.*
- ❑ *Applying for a Low Impact Development (LID) site design credits*
- ☒ *A portion of the site constitutes redevelopment*
- ❑ *Proprietary BMPs are included in the Stormwater Management System*

❑ *No. Check below & include a narrative as to why the project is exempt*
- ❑ *Single-family house*
- ❑ *Emergency road repair*
- ❑ *Small Residential Subdivision (less than or equal to 4 single family houses or less than or equal to 4 units in a multifamily housing projects) with no discharge to Critical Areas*

5. Is the proposed project subject to Boston Water and Sewer Commission Review?

☒ Yes ❑ No

D. 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 Protection Ordinance.

Signature of Applicant — Date: 4/15/2021

Signature of Property Owner (if different) — Date: 4/15/2021

Signature of Representative (if any) — Date: 05/04/2021

City of Boston
Environment

City of Boston
Mayor Martin J. Walsh

EXTENSION FORM

The undersigned hereby allows the **Boston Conservation Commission** an extension of time, beyond the statutory limit, to review an application or issue a final decision under the Massachusetts Wetlands Protection Act, M.G.L. Chapter 131, Section 40, and the Boston Wetlands Ordinance, Boston City Code, Ordinances, Chapter 7-1.4d during the state of emergency declared by the Governor on March 10, 2020.

Applicant:

Chris	Newhall	NSTAR Electric Company d/b/a Eversource Energy
a. First Name	b. Last Name	c. Company

247 Station Drive
d. Mailing Address

Westwood	MA	02090
e. City/Town	f. State	g. Zip Code

78-441-8145		christopher.newhall@eversource.com
h. Phone Number	i. Fax Number	j. Email address

Chris Newhall Digitally signed by Chris Newhall Date: 2021.04.15 10:36:26 -04'00' — 4/15/2021
Signature of Applicant — Date

Property Owner (if different):

Ryan	Woods	Boston Parks & Recreation
a. First Name	b. Last Name	c. Company

1010 Massachusetts Avenue, 3rd Floor
d. Mailing Address

Boston	MA	02118
e. City/Town	f. State	g. Zip Code

617-635-7275		ryan.woods@boston.gov
h. Phone Number	i. Fax Number	j. Email address

Signature of Property Owner (if different) — Date 4/15/2021

Applications will only be accepted when submitted with a properly executed Extension Form.

Checklist for Filing a Notice of Intent with Boston Conservation Commission

In order for the Boston Conservation Commission to effectively process your Notice of Intent, BCC requests that you complete the checklist below and include it with your submission. If you should need assistance please contact Commission Staff: 617-635-3850 (cc@boston.gov).

Please Submit the Following to the Conservation Commission:

- ☒ Two copies (a signed original and 1 copy) of a completed Notice of Intent (WPA Form 3)
- ☒ Two copies (a signed original and 1 copy) of a completed Boston Notice of Intent (Local Form)
- ☒ Two copies of plans (reduced to 11" X 17") in their final form with engineer's stamp affixed supporting calculations and other documentation necessary to completely describe the proposed work and mitigating measures. Plans must include existing conditions, the proposed project, erosion controls and mitigation measures, grading and spot elevations and all wetland resource areas and associated buffer zones. Some projects may require both an aerial view of the plans along with a profile view of plans depending on the scope of work.
- ☒ Two copies of an 8 ½" x 11" section of the USGS quadrangle map of the area, containing sufficient information for the Conservation Commission and the Department to locate the site of the work.
- ☒ (If applicable) Two copies the Federal Emergency Management Agency Flood Insurance Rate Map for the project site. FEMA Flood Maps: https://msc.fema.gov/portal.
- ☒ Two copies of the determination regarding the Natural Heritage and Endangered Species Program: Review Section C. Other Applicable Standards and Requirements of the Notice of Intent, page 4 of 8, pertaining to wildlife habitat. The Conservation Commission and the Natural Heritage & Endangered Species Program have the maps necessary to make this determination.
- ☐ (If applicable) Two hard copies of a Stormwater Report to document compliance with the Stormwater Management Standards per 310 CMR 10.05(6)(k)-(q), including associated drainage calculations for rooftops, parking lots, driveways, etc., for the required design storm events.
- ☒ (If applicable) A narrative detailing best management practices for stormwater management as set forth in the Stormwater Management Standards of the Massachusetts Department of Environmental Protection and any separate standards and guidelines prepared by the City and the Boston Water and Sewer Commission.
- ☐ (If applicable) Two hard copies of the Checklist for Stormwater Report
- ☐ Details of the stormwater management system, including: catch basins, oil separating tanks, detention basins, outfalls, sewer connections, etc.
- ☒ Any photographs related to the project representing the wetland resource areas.
- ☒ Two copies of a detailed project narrative describing the following: an overview of the entire project, the work proposed within wetland resource areas and/or buffer zones; how the performance standards specific to the wetland resource areas will be met (listing out each performance standard); a consideration of the effect that projected sea level rise, changes in storm intensity and frequency, and other consequences of climate change may have on the resource areas and proposed activities; construction equipment and material involved; and measures to protect wetland resource areas and mitigate impacts. The applicant shall also include narrative on how they plan to integrate climate change and adaptation planning considerations into their project to promote climate resilience to protect and promote Resource Area Values and functions into the future.
- ☒ Two copies of an Abutters List, Affidavit of Service and Abutter Notification, filed concurrently with the Notice of Intent. Abutter notices shall be sent in both English and the second most commonly spoken language(s) in the neighborhood(s) where the project is proposed. Notices shall also include Babel notice cards for additional translation and language access services. All abutters within 300' of the project

property line must be notified including those in a neighboring municipality. In such an instance, a copy of the filing must also be sent to the local Conservation Commission of the neighboring municipality. EXCEPTION: When work is in land under water bodies and waterways or on a tract of land greater than 50 acres, written notification must only be given to abutters within 300 feet of the "project site."

☐ Two copies of the BPDA Climate Resiliency Checklist (for new buildings). This can be completed online at http://www.bostonplans.org/planning/planning-initiatives/article-37-green-building-guidelines. Please print the pdf that you will receive via email after completion and include it in your submission.

☒ **Electronic copies.** Documents may be submitted via email, or via an email link to downloadable documents.

To minimize the use of non-recyclable materials ***please do not include vinyl or plastic binders, bindings, folders or covers with the filing.*** Staples and binder clips are good choices.

Section 2
Introduction

2.1 Project Description & Background

This Notice of Intent (NOI) is being submitted on behalf of NSTAR Electric Company d/b/a Eversource Energy (Eversource or the Company) for the proposed Andrew Square to Dewar Street Reliability Project (Project) located within the Boston neighborhoods of Dorchester and South Boston. The Project consists of an approximately two-mile underground electric transmission line between two existing Eversource substations, the Andrew Square Station located in South Boston (Andrew Square Substation) and the Dewar Street Station located in Dorchester (Dewar Street Substation). The work in Conservation Commission jurisdiction is located within the public roadway right-of-way located on O'Callaghan Way, Columbia Road, William T. Morrissey Boulevard, Old Colony Terrace, Playstead Road, and Springdale Street. The Project will serve the public interest by increasing the reliability of the local electric transmission system supplying customers in the Dorchester, South Boston, and Roxbury neighborhoods of the City of Boston.

Eversource's transmission system is an integral part of the bulk electric system delivering electricity to customers in New England. The transmission lines that supply the Andrew Square and Dewar Street Substations are part of the local transmission system that serves a large number of customers (approximately 58,000 customers supplied from Dewar Street Substation and over 34,000 customers supplied from Andrew Square Substation) in the Project area. This area includes a number of critical customers including a dozen hospitals and other medical facilities, schools (including the University of Massachusetts Boston and Roxbury Community College), government agencies and departments (including the Suffolk County House of Corrections and the Boston Police Department headquarters), institutions such as the JFK Library and the Franklin Park Zoo, large commercial customers such as South Bay Mall and Ink Block, and hotels and high rise buildings with significant elevator loads. If the local transmission system does not have sufficient capability to reliably serve forecasted load under certain contingency conditions, Eversource must plan and implement system additions and upgrades to address the identified performance issues. In this instance, the Andrew Square and Dewar Street Substations are each supplied from two radial transmission lines from another substation. The local transmission system in the Project area needs to be strengthened to address a contingency event consisting of loss of these transmission lines.

After analyzing various approaches to resolving the identified need, Eversource determined that installing a new transmission line between the Andrew Square and Dewar Street Substations is the best solution and will provide the infrastructure needed to support the load requirements in the Project area, as well as ensure the reliability of transmission service to this area. Without the Project, loss of existing transmission lines to either Andrew Square or Dewar Street Substations would mean Eversource would be unable to maintain supply for a significant number of customers in the South Boston, Roxbury, and Dorchester neighborhoods of the City of Boston, including numerous critical customers. The Project provides the critical link needed to reliably serve the customers in these neighborhoods and interconnects these substations with an alternative source of supply from the area substation.

Eversource considered various alternatives to the Project as well as several geographically distinct routes for the Project, and conducted extensive community outreach, participating in numerous working meetings with Commonwealth of Massachusetts and City of Boston representatives, government officials, residents and other stakeholders. After carefully considering and analyzing the input received, the route for the proposed Project was selected to generally follow Morrissey Boulevard. The route analysis led Eversource to determine that the selected route will best balance the goals of minimizing cost and environmental impacts while meeting the identified needs.

A Site Locus Map (Figure 1), an Orthophotograph with Wetlands and FEMA layers (Figure 2) and the FEMA Flood Insurance Rate Maps (FIRMs) are provided in Appendix A. Photographs of the proposed route are provided in Appendix B, and project plans are provided in Appendix C. Abutter information is provided in Appendix D.

2.2 Proposed Project Details

The Project within Conservation Commission jurisdiction involves the following components:

- Installation of approximately 3,300 linear feet of a two mile transmission line through open-cut trenching within roads
- Installation of approximately 30 linear feet of transmission line within an existing utility bay in Pattens Cove culvert
- A temporary jacking pit for the trenchless crossing under the MBTA tracks and Interstate-93 (I-93)
- Installation of two of eight manholes along the proposed transmission line.

Upon project completion, pre-existing conditions will be restored. No change in site topography or ground cover is proposed.

Section 3
Existing Environment

3.1 General Project Area

The Project is located in the South Boston and Dorchester neighborhoods in Boston, Massachusetts. The proposed new underground transmission line will run between Eversource's existing Andrew Square Substation to its existing Dewar Street Substation.

The portion of the Project within Conservation Commission jurisdiction is located within the public roadway rights-of-way on O'Callaghan Way, Columbia Road, William T. Morrissey Boulevard, Old Colony Terrace, and Playstead Road. Work is also proposed within Springdale Street, which is a paper street. Eversource has easements for work on private properties within Springdale Street, and is coordinating with Boston Parks and Recreation Department on an easement on their portion of Springdale Street.

The crossing of I-93 and the MBTA railroad tracks is proposed to occur near Springdale Street, which is a paper street adjacent to McConnell Park. The proposed crossing will be installed using a trenchless methodology.

Please refer to Figures 1 and 2 for the general site location.

3.2 Wetland Resource Areas

The section summarizes the wetland resource areas and jurisdictional buffer zones associated with the Project.

3.2.1 Methodology of Resource Area Investigations

The presence of jurisdictional resource areas was confirmed via desktop survey using MassGIS data layers and field reconnaissance in 2018 and on April 14, 2021. Resource areas were investigated in accordance with the Massachusetts Department of Environmental Protection (MassDEP) guidelines, 310 CMR 10.00, the Boston Wetlands Ordinance, and the United States Army Corps of Engineers *Regional Supplement to the Corps of Engineers Wetland Delineation Manual: Northcentral and Northeast Region* (January 2012).

Wetland resources in the vicinity of the Project include Land Subject to Coastal Storm Flowage (LSCSF), Coastal Bank, and Tidal Flats (Coastal Beach). Jurisdictional areas occur between the intersection of Columbia Road and O'Callaghan Way and the intersection of William T Morrissey Boulevard and Old Colony Terrace, and on Springdale Street (a paper street). All work within jurisdictional areas will take place within paved and previously disturbed areas of existing rights-of-way (ROW).

3.2.2 Description of Wetland Resource Areas

Wetland resources in the vicinity of the project include Land Subject to Coastal Storm Flowage (LSCSF), Coastal Bank and Tidal Flats (Coastal Beach). No work is proposed within Coastal Bank or Tidal Flats. All work within LSCSF and resource area buffer zones are within developed and previously disturbed areas. These areas are depicted on the

figures included in Appendix A, site photographs in Appendix B, and on project plans in Appendix C, and are described in greater detail below.

Land Subject to Coastal Storm Flowage (LSCSF): 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. Federal Emergency Management Agency (FEMA) Flood Insurance Rate Maps (Panel Nos. 2502860083J and 2502860091J, effective September 25, 2009, revised March 16, 2016) were consulted to evaluate the presence of regulatory LSCSF. Portions of the project area fall within Zone AE, an area subject to flooding and/or inundation by the 100-year flood with a base elevation of 10 feet NAVD88 near the intersection of Columbia Road and O'Callaghan Way and 11 feet NAVD88 along William T Morrissey Boulevard, Old Colony Terrace, Springdale Street and Playstead Road. Accordingly, portions of the eastern project area are regulated as Land Subject to Coastal Storm Flowage (LSCSF). All work within LSCSF will occur within existing disturbed rights-of-way.

Tidal Flat (Coastal Beach): Tidal Flat is defined in 310 CMR 10.27(2) as any nearly level part of a coastal beach which usually extends from the mean low water line landward to the more steeply sloping face of the coastal beach or which may be separated from the beach by land under the ocean. Coastal beaches are defined to include tidal flats, as defined as unconsolidated sediment subject to wave, tidal and coastal storm action which forms the gently sloping shore of a body of salt water. Tidal Flat in the area is located in the vicinity of Morrissey Boulevard at Pattens Cove. The underground transmission line at this location will cross Pattens Cove via an existing utility bay within the existing culvert. No work is proposed within Tidal Flats.

Coastal Bank: Coastal Bank is defined as the seaward face or side of any elevated landform, other than a coastal dune, which lies at the landward edge of a coastal beach, land subject to tidal action, or other wetland (310 CMR 10.30). Under the MA WPA, Coastal Bank does not include man-made structures. In addition to the definition found under the MA WPA, the City of Boston's Wetlands Ordinance defines coastal bank as seawalls and bulkheads unless the seawall supplies sediment to coastal beaches, coastal dunes, and barrier beaches. Existing seawalls and bulkheads are presumed significant to the purpose of the Ordinance and Regulations as a Coastal Bank because they are designed to serve as vertical buffers to storm damage. In the project area, Coastal Bank is located on the ocean side limits of the Pattens Cove culvert. No work is proposed within Coastal Bank.

Buffer Zone: Under the MA WPA, areas extending 100 feet from certain areas subject to protection are considered Buffer Zone. According to 310 CMR 10.02(2)(b)2.i. the project is considered a minor activity and is not regulated as part of the Buffer Zone, as installation of underground utilities (e.g., electric, gas, water) within existing paved or unpaved roadways and private roadways/driveways, provided that all work is conducted within the roadway and that all trenches are closed at the completion of each workday. This exemption is not applicable to areas of work within resource areas such as LSCSF.

Waterfront Area: Waterfront Area is defined in the City of Boston Wetlands Ordinance as the portion of the buffer zone which extends twenty-five (25) feet horizontally from the edge of the following wetland resource areas, including the following coastal areas: coastal

beach, dune, bank, tidal flats, rocky intertidal shores, salt marshes or land containing shellfish.

Waterfront Area for the project is a locally regulated buffer zone and is located adjacent to the tidal flat located in the vicinity of Morrissey Boulevard at Pattens Cove. Work in the Waterfront Area is within the existing paved or disturbed right-of-way and median on Morrissey Boulevard.

3.3 Rare Species

The Massachusetts Natural Heritage and Endangered Species Program (NHESP) Atlas (14th Edition, effective August 1, 2017) was consulted during preparation of the ENF. According to this source, the Andrew Square to Dewar Street Reliability Project is not located within designated *Priority Habitats of Rare Species* or *Estimated Habitats of Rare Wildlife*, and therefore will not require review pursuant to the Massachusetts Endangered Species Act.

Section 4
Alternatives Analysis

As summarized below, the Company analyzed various approaches to resolving the identified need and determined that the Project is the best solution because it will provide the infrastructure needed to support the electric load requirements and ensure the reliability of transmission service to the Project area. The Company also performed a routing analysis, considering several geographically distinct routes for the Project. The Company conducted extensive community outreach, participating in numerous working meetings with State and City of Boston representatives, government officials, residents, and other stakeholders.

4.1 Project Alternatives

4.1.1 No Improvements

Eversource considered a no-build alternative where no improvements would be made to the existing electric supply system serving Eversource's electric customers in the Project area. This approach was dismissed from further consideration because it would not address the identified transmission reliability needs within the Project area and would expose the Project area to significant loss of load that would affect a significant number of customers.

4.1.2 Transmission Alternatives

In addition to the Project, which involves the construction of a two-mile underground electric transmission main between the Andrew Square and Dewar Street Substations, Eversource evaluated another transmission alternative, which would involve installing two underground transmission lines, consisting of one 1.4-mile line between the K Street Substation and the Andrew Square Substation and another 3.1-mile line between the K Street Substation and Dewar Street Substation, resulting in approximately 4.5 miles of new transmission lines through both the South Boston and Dorchester neighborhoods.

While the Project and the transmission alternative would both add the needed transmission capacity to the system by establishing a third transmission source to Andrew Square and Dewar Street Substations, the Project has enhanced reliability benefits as the two line alternative would require shared switching infrastructure and result in significant co-location of the two transmission lines within the same urban roadways that already are congested with subsurface utilities.

This alternative was dismissed as it did not provide the added reliability benefits of the Project and the potential environmental and land use impacts for the transmission alternative would be significantly greater because more than twice the distance of cable would need to be installed and upgrades would be needed at an additional substation.

4.1.3 Non-Transmission Alternatives

Eversource considered a wide variety of technologies in assessing possible non-transmission alternatives (NTAs) (including battery storage systems, photovoltaic solar facilities, demand-side programs and distributed generation) to address the identified

need. These alternatives were dismissed as they would only be capable of supporting the load temporarily or reducing the load, rather than supplying the entire load at either Andrew Square or Dewar Street Substation without support from the regional transmission system.

4.1.4 Conclusion on Project Alternatives

Relative to the other substation and transmission alternatives studied, the Company determined that the Project best meets the need with the least environmental and construction impacts. Accordingly, the Company determined that the installation of a new transmission line connection the Andrew Square Substation and the Dewar Street Substation was the solution that would best address the need to improve reliability to the Project area.

4.2 Route Alternatives

The Company conducted a systematic and comprehensive analysis of routing alternatives for the Project to identify a reasonable variety of potential candidate routes within the South Boston and Dorchester neighborhoods of the City of Boston (Study Area). The goal of the Company's routing analysis was to identify a technically feasible route that achieved the required transmission system reliability improvements by interconnecting the specified substations while minimizing the potential impacts the routes may have on the developed and natural environment. The Company's routing objectives were to: (1) comply with all applicable statutory requirements, regulations and state and federal siting agency policies; (2) achieve a reliable, operable and cost-effective solution; (3) maximize the reasonable, practical and feasible use of existing linear corridors (e.g., transmission line, highway, railroad or pipeline ROW); (4) minimize the need to acquire property rights; and (5) maximize the potential for direct routing options over circuitous routes. The boundaries of the Study Area are: Massachusetts Bay to the east, Boston Street and Pleasant Street to the west, and the existing Andrew Square and Dewar Street Substations to the north and south, respectively.

Significant existing linear corridors in the Study Area include the MBTA ROW and I-93, which both run north-south through the eastern part of the Study Area. Eversource assessed separate routes that generally followed the MBTA ROW and the I-93 ROW. The Company eliminated these routes because they could not support the Project objectives of providing reliable infrastructure in a timely and cost-effective manner due to construction feasibility constraints, as described below.

- For the MBTA Route, space between rails is limited and the majority of the ROW is too narrow to support the Project's required width for the duct bank construction.

- For the I-93 Route, based on discussions with MassDOT, construction along this corridor would need to incorporate several limitations including, but not limited to, restricted weekday and weekend work hours to avoid peak traffic and significant roadway restoration requirements. Based on the work time restrictions and the requirement to restore the roadway to MassDOT standards before the end of each day, the available time to install the duct bank makes construction along this route infeasible.

Because of the nature of the street layout in Dorchester, there were many potential options for routing the new line that could weave through existing narrow streets. Using

Eversource's routing objectives and in consideration of stakeholder input (including from the public and City of Boston officials), Eversource initially reviewed USGS maps, MassGIS data and aerial photography and completed field reconnaissance to develop a universe of routes that could support a new underground line between the two substations. Eversource then identified and conducted a screening assessment of all possible routes within the Study Area between the Andrew Square and Dewar Street Substations, eliminating any routes that did not fully meet the routing objectives.

Following the screening process, the Company identified four complete and distinct potential routes for further investigation and scoring under a number of criteria: (1) Morrisey Boulevard Route; (2) Sydney Street Route; (3) Dorchester Avenue Route; (4) Pleasant Street Route. The outcome of the routing analysis was the identification of the Morrisey Boulevard Route as the route that best balances minimization of environmental impacts, constructability constraints and feasibility. A summary of the comparison of the four routes is provided below.

4.2.1 Morrissey Boulevard (Project Route)

The Morrissey Boulevard Route exits the Andrew Square Substation east on Ellery Street, turns south on Boston Street, turns east on Songin Way, continues on O'Connor Way, then turns east onto Kemp Street, and south on O'Callaghan Way until the intersection of Old Colony Avenue. The route then continues south on Old Colony Avenue onto William T Morrissey Boulevard service road to by-pass Kosciuszko Circle and then continue south onto William T Morrissey Boulevard before turning southwest onto Old Colony Terrace, south onto Savin Hill Avenue, and southwest on Grampian Way. The route then turns south on Playstead Road, west on Springdale Street, under the MBTA tracks and I-93 and into Dewar Street Substation.

Morrissey Boulevard and the Mary Ellen McCormack Housing Community are proposed to be redeveloped within the general timeframe of the proposed Project; meetings with DCR and BHA have confirmed the potential for Project coordination in order to minimize impacts to the environment and adjacent property owners. Additionally, the underground utility infrastructure throughout much of this route is significantly less dense than the other routes analyzed.

Eversource analyzed two options for crossing I-93 and the MBTA tracks along this route - a trenchless crossing at Springdale Street and the Savin Hill Avenue Bridge. Both options are described below.

4.2.1.1 Trenchless Crossing at Springdale Street

A trenchless crossing at Springdale Street was chosen as the best option to cross the MBTA tracks and I-93. The new transmission line will be installed underground within the limits of Springdale Street, adjacent to McConnell Park. Springdale Street is a paper street and contains existing sewer, water, drain, and electric lines.

The transmission line will be installed underground and any disruption to land in this area would be temporary. Post-construction, Springdale Street will be restored to its current condition.

This approach was ultimately chosen as part of the Project Route because of the known ability to successfully cross MBTA and I-93 via an underground trenchless crossing. The BWSC provided information to the Company that it was able to successfully pipe jack

under I-93 and the MBTA tracks in the vicinity of Springdale Street, west of the Dewar Street Substation. In addition, it is a direct route into Dewar Street Substation and does not rely on other infrastructure for success.

4.2.1.2 Savin Hill Avenue Bridge

The other alternative assessed, but rejected, by the Company to cross I-93 and the MBTA tracks would involve use of the Savin Hill Avenue Bridge. This alternative would follow the same route out of Andrew Square Substation to Grampian Way. Instead of turning onto Playstead Road, this alternative would continue onto Savin Hill Avenue to cross the MBTA tracks and I-93 via the Savin Hill Avenue Bridges, turn south onto South Sydney Street, continue behind 65 Bay Street and into Dewar Street Substation.

This variation was not pursued due to concerns regarding the bridge's ability to support the proposed transmission line and associated infrastructure. Coordination with MassDOT and the MBTA further confirmed that the Savin Hill Avenue Bridge structures would need significant structural improvements to support the Project.

4.2.2 Sydney Street Route

The Sydney Street Route would exit the Andrew Square Substation east on Ellery Street, turn south on Boston Street, east on Howell Street, south on Dorchester Avenue, east on Locust Street, south on Buttonwood Street, and east on Columbia Road, at which point the route would travel south on Sydney Street to Dewar Street Substation.

This route would impact a larger number of dense residential neighborhoods than the Morrisey Boulevard Route. Additional constraints along the Sydney Street Route include areas with high density of underground utilities and a parallel section of existing electric transmission line. The Sydney Street Route was not selected for the new transmission line due to these considerations.

4.2.3 Dorchester Avenue Route

The Dorchester Avenue Route would exit the Andrew Square Substation east on Ellery Street, turn south on Boston Street, and east on Songin Way, at which point it would follow Dorchester Avenue south until the intersection with Dewar Street. The route would then travel east on Dewar Street into the Dewar Street Substation.

This route has extremely dense underground utilities along the Dorchester Avenue corridor, which would pose complications to engineering, construction, and impact to existing residents and commercial businesses. Additionally, there are many public transportation routes that would be severely impacted by this route. For these reasons, this route was not selected for the new transmission line.

4.2.4 Pleasant Street Route

The Pleasant Street Route would exit the Andrew Square Substation east on Ellery Street, turn south on Boston Street and continue until the intersection with Columbia Road, at which point it would travel east on Columbia Road and then southeast on Pond Street, turn south on Pleasant Street, turn east on Roach Street, south on Dorchester Avenue, and east on Dewar Street into the Dewar Street Substation.

This route has a large volume of traffic, many intersections and a very high density of underground utilities, all of which would make it difficult to construct a new line.

Additionally, there are many residences along the route. For these reasons, this route was not selected for the new transmission line.

4.3 Summary Comparison of Project Route and Alternative Routes

The Company evaluated the four routes by scoring each of them using a set of criteria that compare the relative levels of potential environmental, technical, and human built/developed impacts, and constructability constraints. The Company's analysis established that the Morrissey Boulevard Route was the best route to meet the identified need.

In addition to Morrissey Boulevard ranking better in terms of land use, traffic, and noise, this route also has the available underground utility corridors, data regarding successful trenchless crossing, and the ability to potentially coordinate with other construction projects within Morrissey Boulevard and at Mary Ellen McCormack development. The Project is easier to construct due to fewer underground utilities along much of the route, results in less impacts, and is more reliable. For these reasons, Eversource chose Morrissey Boulevard as its Project Route.

Section 5
Project Details

5.1 Anticipated Construction Sequence

Assuming receipt of all necessary permits and approvals, construction of the proposed Project is anticipated to commence in Summer/Fall 2021, continuing over a 20-month period, with a target completion in early 2023.

There are four principal phases of construction for the proposed underground cable project within streets:

1. Manhole/splice chamber installation;
2. Trenching and duct bank installation;
3. Cable pulling, splicing and testing; and
4. Final pavement restoration.

The transmission line will be installed in segments. Eversource anticipates that each trench segment will be 100 to 200 feet in length. It is important to note that trench construction is generally a linear progression, with tasks occurring concurrently or in progressive sequence. Approximate durations for activities anticipated to occur within each trench segment are summarized in Table 5-1 below.

TABLE 5-1
Approximate Duration of Trench Segment Activities

Activity	Approximate Duration
Survey and Layout	One day
Pavement Cutting	One day
Trench Excavation and Shoring	Two to five days
Conduit Installation	One to three days
Duct Bank Concrete Placement/Curing/Shoring Removal	Three to five days
Backfill/Temporary Pavement Placement	Two to three days

These durations are approximate and subject to change depending on field conditions. Moreover, all phases of construction will not necessarily be completed in one segment prior to advancing to another segment. There may be cases where work on an unfinished segment may be temporarily halted due to unforeseen conditions or to catch up in other areas, and work would continue on other segments. Once the unanticipated conditions are addressed, work would resume on the unfinished segment.

5.2 Construction Methodology and Mitigation Measures

The proposed underground cable will consist of cross-linked polyethylene (XLPE) insulated cable in high density polyethylene (HDPE) conduits. The duct bank will consist of four 8

and 5/8-inch-diameter HDPE conduits, as well as two 4-inch-diameter PVC conduits, and two 2-inch-diameter PVC conduits to carry communications lines and ground continuity conductors. The duct bank will be encased in a thermal concrete envelope. The typical duct bank trench will be four feet wide and five feet deep.

Installation of the underground transmission line will generally require a linear work zone along the construction corridor. It is anticipated that areas where typical open trench excavation will occur will require an approximately 11-foot wide workspace area and that deep excavation at some dense utility intersections may require an approximately 18-foot wide work area. Manhole and splice vault installations typically require an approximately 20-foot wide work area. These work areas will include temporary traffic control devices necessary to guide motorists safely past the work zone.

5.2.1 Waterways Crossing

The Project route will cross the Pattens Cove culvert. The electrical conduits will be supported by hangers underneath the culvert structure, similar to other existing utilities. The proposed conduits will be within the 100-year flood elevation (11 feet NAVD) and above the mean high tide line. The lowest point of the electrical conduit will extend to elevation 9.8 feet NAVD. The existing 12-inch water main crossing through the culvert extends to elevation 9.6 feet NAVD. The volume of the electrical conduit within the culvert is approximately 1.4 cubic yards, and will have a de minimis impact on coastal flooding.

During construction, Best Management Practices (BMPs) will be used to protect the waterway below the work area. The following work sequence is anticipated:

- The bridge abutments at the median will be exposed and the concrete will be cored and extracted from the landward sides.
- To attach the conduits to the underside of the bridge structural steel beams, a temporary work scaffold platform will be installed within the culvert supported by temporary hangers from the underside of the culvert structure.
- Work crews will install new permanent conduit support hangers to the existing bridge steel.
- The conduit will be routed through the abutments, beneath the roof of the culvert and onto the new support hangers, connecting to the opposite side.

It is anticipated that the contractor will use a vacuum to contain dust from concrete drilling for the installation of hangers for the pipe. Staging is anticipated within the culvert below the work area to accommodate the duct bank installation.

In order to provide a safe work environment and protect the resource areas associated with Pattens Cove, the temporary suspended scaffold system will be installed in a manner to safeguard the waterway below. Side railings will be screened from top rail to toeboards, and continuous platform decking will prevent materials from falling from the work platform. The scaffold will be cleaned of materials and debris at the end of each workday.

Workers will be able to readily access the scaffold on foot at low tide via ladder or may use a small work boat/barge at times when water levels allow floatation. After the work at this location is completed, the temporary scaffolding will be removed.

5.2.2 Erosion & Sedimentation Control

Erosion control barriers will be incorporated as a construction-phase Best Management Practice (BMP). Erosion control methods will include the installation of straw wattles at all downhill locations from areas of off-road soil disturbance, catch basin silt sack inserts installed in all existing catch basins within the Project work area, dust control, and stabilized construction entrances to prevent off-site sediment tracking. Supplemental and/or alternative construction BMPs may be required during work, depending on site and weather conditions. Descriptions of these measures are provided in the following sections.

Erosion Control Barriers

Erosion control barriers will consist of straw wattles along the limits of work in unpaved areas to minimize the potential for migration of disturbed soil. The contractor(s) will be required to maintain the barriers in good working order and to repair and replace sections, as necessary. These barriers will be inspected daily during construction and until disturbed soils have become stabilized.

Catch Basin Silt Sack Inserts

In roads where work is to be performed adjacent to storm drains and stormwater is directed to the storm drain, the contractor(s) will install and maintain filter fabric barriers to prevent sediment from entering the storm drain system. When construction is complete at each location, the storm drain barriers will be removed and any sediment collected will be properly disposed of.

Soil Stockpiling

Other measures to mitigate soil erosion will include the prompt removal of soils from the excavated trench. Soils will not be stockpiled along the road(s) but instead will be loaded directly into trucks to be hauled to an offsite disposal/re-use area, or to a temporary construction laydown area. This construction method will limit the potential for soils to be washed with stormwater into nearby storm drains.

Monitoring

Eversource will develop and maintain a Stormwater Pollution Prevention Plan (SWPPP) for the Project that will identify controls to be implemented to mitigate the potential for erosion and sedimentation from soil disturbance during construction. The SWPPP will be adhered to by the contractor during all phases of Project construction in accordance with the general conditions prescribed in the Project's United States Environmental Protection Agency (USEPA) Stormwater Construction General Permit.

Eversource will require that the construction contractor designate a construction supervisor or equivalent to be responsible for coordinating with the environmental monitor, to conduct regular inspections and to be responsible for compliance with permit requirements.

A copy of all permits and approvals will be provided to and reviewed by Eversource's Project managers and construction supervisors. These documents will also be provided to contractors prior to construction as part of the contract documents. Contractors are required, through their contracts with Eversource, to understand and comply with requirements for all Project permits and approvals.

5.2.3 Construction Wastes

Waste materials generated along the route during installation of the transmission duct bank and manholes will be promptly removed and re-used or properly disposed of at a suitable facility. The largest quantity of construction waste will likely be from soils excavated from the trench and locations where manholes are installed. This material will be removed from the trench and hauled to an appropriate off-site disposal/re-use location or to a temporary construction laydown area for on-site re-use. Concrete and asphalt will be recycled at a local asphalt plant.

In the event there are contaminated soil or other regulated materials encountered along the route, soils will be managed pursuant to the Utility Related Abatement Measures (URAM) provisions of the Massachusetts Contingency Plan (MCP). Eversource will contract with a licensed site professional (LSP) as necessitated by conditions encountered along the Project alignment, consistent with the requirements of the MCP at 310 C.M.R. 40.0460 et seq.

Solid waste will be disposed of in accordance with applicable regulations and will not be left on the property. Materials characterized by the MassDEP as waste ban materials, in accordance with 310 C.M.R. § 19.017(3), will not be disposed of in landfills. Materials will be recycled to the extent practicable.

5.2.4 Dewatering Protocols

It is not uncommon to encounter groundwater during construction of underground utility facilities. If feasible based on site-specific conditions, the least costly method when dewatering will typically be to recharge the groundwater back into the adjacent subsurface. This can either be done by discharging back within the open excavation/trench associated with the project/pipe installation or discharging to the nearby ground surface via a filter bag or dewatering corral (if necessary) allowing groundwater to infiltrate back into the soil.

For situations where on-site recharge of groundwater is not an option and manageable (<50,000 gallons) amounts of groundwater are expected to be generated, a vacuum truck can be used to pump out and appropriately dispose or recycle groundwater encountered. Sampling of water will be required to ensure proper disposal/recycling.

For locations where large amounts (>50,000 gallons) of groundwater are encountered and on-site recharge and off-site disposal are not feasible options, discharging into the municipal stormwater and/or sewerage systems may be an option. However, this activity must be coordinated with the municipality and USEPA beforehand and would not occur without written consent from the municipality and the USEPA.

5.2.5 Site Access

Access to the proposed work area will be from within existing roadways. It is anticipated that the construction equipment performing the work will utilize existing roads.

5.2.6 Site Stabilization

The construction area in grassed areas will remain in a stable condition at the close of each construction day via the use of appropriate erosion and sedimentation control measures. Erosion control measures will be inspected at the close of each construction day and maintained or reinforced as necessary. All erosion and sedimentation control measures will be inspected, cleaned, or replaced during construction. Site stabilization measures will remain in place until stabilization is permanent.

5.2.7 Site Restoration

Following installation of the duct bank and splice chambers in public roadways, roadway surfaces will be restored to a condition as good as or better than the pre-construction condition, to meet the state's and Boston's Repaving Standards. No change in grades are proposed. In Springdale Street, which is a paper street that is currently grassed, the grades will be restored and the work area loamed and seeded upon completion of the transmission line installation.

Section 6
Regulatory Compliance

The proposed project has been designed to avoid environmental impacts when possible and minimize unavoidable impacts when practicable. Descriptions of the project's compliance with pertinent federal, state, and local regulatory requirements are provided in the following sections.

TABLE 6-1
Anticipated Permits, Reviews, and Approvals

Regulatory Agency	Program/Permit	Status
Federal		
USEPA	Stormwater Construction General Permit	Planned
USACE	Section 10 of the Rivers and Harbors Act	Planned
State		
MassDOT	State Highway Access Permit	Planned
Siting Board	Approval to Construct	Submitted
DCR	Construction/Access Permit	Planned
MBTA	Construction Access Permit/License	Planned
MassDEP	Chapter 91 Minor Modification	Submitted/ Partially Approval
EEA	MEPA Environmental Notification Form	Submitted
MHC	Project Notification Form	Determination of No Adverse Effect Obtained
Local		
City of Boston PIC	Construction/Access Permit	Planned
City of Boston Department of Public Works	Street Opening Permits	Planned
City of Boston Department of Parks & Recreation	Article 97 Land Disposition	Planned

6.1 Massachusetts Wetlands Protection Act

6.1.1 Anticipated Temporary and Permanent Impacts

The project will require an Order of Conditions from the Boston Conservation Commission pursuant to the MA Wetlands Protection Act and the City of Boston's Ordinance Protecting Local Wetlands and Promoting Climate Change Adaptation.

Since the underground cable construction is anticipated to occur within existing paved roadways and disturbed rights of way and will not change the general characteristics of the area (including grades and cover type), no permanent impacts to LSCSF are anticipated. There are no permanent impacts to wetland resource areas, and temporary impacts to wetland resource areas have been avoided and minimized to the maximum extent feasible through alternatives selection and use of construction-period BMPs. In addition, Project impacts will be minimized through concentrating construction to existing disturbed footprints, phasing of work to limit accumulation of impacts, and avoidance of sensitive resource areas through careful configuration of Project work area limits.

The proposed work will temporarily impact approximately 15,000 sf of Land Subject to Coastal Storm Flowage. Sections of the new transmission line will be installed underground within land designated as LSCSF; however, there is no proposed change in topography or cover. All work within LSCSF and resource area buffer zones are within developed and previously disturbed areas. The crossing of Pattens Cove will use an existing utility bay within an existing culvert to avoid impacts. Electrical conduit is proposed to be installed on hangers within the culvert. The volume displaced by the conduit is approximately 1.4 cubic yards and will have a de minimis impact on coastal flooding.

The anticipated wetland resource area impacts are associated with temporary construction-period impacts within the existing developed area for construction access and work areas.

6.1.2 Exemption

The construction of underground utilities (e.g. transmission cable) within existing paved roadways within the 100-foot buffer zone is exempt from the Massachusetts WPA per 310 CMR 10.02(2)(b)2.i. provided that all work is conducted within the roadway and that all trenches are closed at the completion of each workday. This exemption is not applicable to areas of work within resource areas such as LSCSF.

6.1.3 Limited Project Status

The proposed activities qualify as a Limited Project per 310 CMR 10.24(7)(b):

> *"The construction, reconstruction, operation and maintenance of underground and overhead public utilities, limited to electrical distribution or transmission lines, or communication, sewer, water and natural gas lines, may be permitted as a limited project…"*

The proposed project involves the construction of underground public utilities, in the form of electric transmission line. Therefore, the Issuing Authority may issue an Order of Conditions and impose such conditions as will contribute to the interests identified in Massachusetts Wetlands Protection Act (M.G.L. c. 131, § 40). In determining whether to exercise its discretion to approve a limited project, the Issuing Authority shall consider the following factors: the magnitude of the alteration and the significance of the project to the interests identified in M.G.L. c. 131, § 40, the availability of reasonable alternatives to the proposed activity, and the extent to which adverse impacts are minimized and the extent to which mitigation measures including replication or restoration are provided to contribute to the protection of the interests identified in M.G.L. c. 131, § 40.

Regardless of the Limited Project status under the WPA, the Project has been designed to meet the performance standards listed below.

6.1.4 Performance Standards Compliance - Land Subject to Coastal Storm Flowage (LSCSF)

The proposed project includes work within Land Subject to Coastal Strom Flowage. The MA WPA regulations at 310 CMR 10.00 does not contain any performance standards specific to LSCSF. Temporary impacts to LSCSF include manhole and duct bank installation and other construction related activities. After construction is completed, disturbed surfaces will be restored to pre-existing grades and cover type. The installation of the electrical conduit within the Pattens Cove culvert will result in a de minimis impact to coastal flooding.

6.1.5 Proposed Mitigation Measures

Project impacts have been minimized through the alternatives analysis and routing assessment to avoid wetland resource areas to the extent practicable, and will be minimized during construction through the use of construction period BMPs, phasing of construction to limit impacts, and avoidance of sensitive resource areas through use of an existing utility bay within the existing culvert to cross Pattens Cove.

As detailed in Section 5.2., BMPs will be implemented along the route to minimize impacts to resource areas.

The Project includes a single waterway crossing at Pattens Cove that will be installed through an existing culvert within Morrissey Boulevard. In coordination with the Boston Water and Sewer Commission and the Department of Conservation and Recreation, the Company identified an open utility bay that exists within the culvert. Use of this existing utility bay, which is above the mean high-tide elevation, would limit direct impacts to the resource areas in that location.

Additionally, work along Project route is proposed within Land Subject to Coastal Storm Flowage; however, the proposed routing would be limited to pre-existing developed areas (roadways and a paper street) and no change in grades or cover type are proposed for installation of the transmission line along the Project Route and therefore no permanent impacts are proposed.

6.1.6 Stormwater Management

As part of the Project, no new drainage patterns are proposed. No new additional impervious areas are proposed; therefore, no increase in runoff is proposed. Sediment and Erosion Control measures are proposed including limiting disturbance and sequencing construction.

The proposed project is not anticipated to result in a discernable increase in the amount or velocity of stormwater. Per the Recommended Final Decision issued July 29, 2016 in the Matter of Berkshire Community College Docket No. WET-2015-023 from the MassDEP Office of Appeals and Dispute Resolution, it was ruled that 310 CMR 10.05(6) (k) through (q) do not apply to a project that does not propose a "point source" or "stormwater discharge" within Resource Areas or their Buffer Zones.

6.2 City of Boston Wetlands Ordinance

The City of Boston has established an Ordinance Protecting Local Wetlands and Promoting Climate Change Adaptation in the City of Boston (Boston Wetlands Ordinance), (City of Boston Code, Ordinances, Chapter 7-1.4) regarding activities within their jurisdiction as well as administrative procedures relative to proposed projects. Of the current regulations, the following are pertinent to the proposed activities. The ordinance directs the Boston Conservation Commission to consider future climate impacts like rising sea levels in applications for construction and is stricter than statewide standards.

According to the Climate Ready Boston Mapper, aboveground structures for the Project (located at the Andrew Square and Dewar Street substations) are outside of the 100-year storm flood elevation with projected sea level rise for 2070. The underground infrastructure is designed with consideration of groundwater. Conduit ends are sealed watertight in all underground vaults. Following cable installation, the ends of the conduits are sealed watertight with a manufacturer-recommended material compatible with the cable. Additionally, the cable is manufactured to withstand extreme environments inclusive of water penetration. An impervious extruded moisture barrier sheath encompasses the cable core in its entirety. The sheath is jacketed by a 140mil thick high-density polyethylene cable jacket in accordance with strict cable manufacturing codes and standards. The ductbank is concrete encased, and vaults are dampproofed and backfilled with controlled density cementitious fill, providing additional barriers to water and moisture intrusion. In this manner, the below ground infrastructure is designed and capable of withstanding potential climate change and future climate impacts.

6.2.1 Abutter Notification

Abutters within 100 yards (300 feet) of the property lines were notified in accordance with M.G.L. c. 131 §40 (MA WPA) and Section 7-1.4(f) of the City of Boston Wetlands Ordinance. Said notification included the address of where a copy of the NOI can be viewed free of charge. Additionally, notifications were translated into Spanish, the second most spoken language in the South Boston and Dorchester neighborhoods. A copy of the list of abutters and the abutter notification forms are provided in Appendix D.

6.3 Other Pertinent Local Regulatory Programs

6.3.1 Article 97 Disposition

Eversource is seeking an easement from the City of Boston to install the proposed transmission line in Springdale Street. The City of Boston considers Springdale Street as an extension of McConnell Park, and therefore, Eversource is proceeding with an Article 97 land disposition for the easement. The disruption to this parcel would be temporary. Eversource has coordinated with the City of Boston Parks and Recreation Department and proposes to provide the City with a monetary payment agreed to by both the City of Boston and Eversource to support the proposed renovation of McConnell Park. This amount is in addition to the appraised value of the easement. The proposed route of the electric transmission line will generally parallel the existing utilities within the Springdale Street right-of-way. The installation of the transmission line will not change the use of Springdale Street or McConnell Park. The land will continue to be used as open space and will be restored upon project completion.

6.4 Other Pertinent State Regulatory Programs

6.4.1 Massachusetts Environmental Policy Act (MEPA)

The project requires MEPA review as it will require state permits and exceeds MEPA review thresholds as defined by 301 CMR 11.00. An Environmental Notification Form (ENF) was submitted for review on March 31, 2021 and published in the Environmental Monitor on April 7, 2021 (EEA #16362).

6.4.2 Chapter 91 Minor Modification

The proposed Project will be installed within existing rights-of-way within previously authorized filled tidelands.

A request for Minor Project Modification was submitted to MassDEP on August 20, 2020. MassDEP issued a partial approval on September 18, 2020 for the proposed work in roadways and requested additional information to approve the work within the Pattens Cove culvert. The additional information was provided to MassDEP on March 18, 2021.

6.4.3 Energy Facilities Siting Board

Eversource submitted a petition to the Siting Board pursuant to G.L. c. 164, § 69J, for authority to construct, operate and maintain a new approximately 2.0-mile underground transmission line between its existing Andrew Square Substation located in South Boston and its existing Dewar Street Substation located in Dorchester, along with associated ancillary modifications at each substation. The petition was submitted in March 2019, evidentiary hearings were held, and final briefs were filed in February 2020.

6.4.4 DCR - Construction Access Permit

DCR issues short-term and long-term permits for a variety of activities at parks, beaches, forests, and reservations. Much of the proposed route travels down Morrissey Boulevard, a six-lane road owned and maintained by DCR. The Company will file for a Construction Access Permit to construct the proposed transmission line along the DCR-owned Morrissey Boulevard.

6.4.5 MBTA - Construction Access/License

Eversource will need to obtain a license from the MBTA to install the transmission line within the MBTA ROW.

6.4.6 Massachusetts Historical Commission Project Notification Form

Any Project that involves state or federal approvals requires review by the Massachusetts Historical Commission (MHC) to determine potential impacts to historic and/or archaeological resources and to ensure compliance with MGL c.9 § 26-27(c) and Section 106 of the National Historic Preservation Act. The Company sent a Project Notification form to MHC and the Massachusetts Board of Underwater Archaeological Resources and received correspondence back that the Project will have no adverse effect on historic or cultural resources.

6.4.7 State Highway Access Permit

In order to make a trench excavation in any public way, public property, or privately-owned land, a permit is required from the appropriately designated permitting authority,

pursuant to 520 CMR 14.00. The accommodation of utility facilities, such as underground transmission lines, within MassDOT right of way is permitted by Massachusetts General Laws and Code of Massachusetts Regulations. It is in the public interest for utility facilities to be accommodated within state highways and local roads and streets. In accordance with MGL Ch. 81, Sec. 21, a highway access permit will be sought to place utilities within state-owned rights of way included for the trenchless crossing of I-93.

6.5 Other Pertinent Federal Regulatory Programs

6.5.1 Section 10 of the River and Harbors Act Army Corps Regulations

The proposed Project is subject to Army Corps jurisdiction under Section 10 of the Rivers and Harbors Act, due to work above Waters of the United States. The Army Corps Massachusetts General Permits (GPs) cover specific activities within the limits Army Corps jurisdiction. Army Corps authorization is required for the installation of the transmission line in an existing culvert over Pattens Cove. No impacts to the resource area are proposed. The Project will require a Pre-Construction Notification (PCN). A PCN application will be submitted following submittal of this NOI.

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Tighe&Bond

APPENDIX A

FIGURE 1
SITE LOCATION

LEGEND

Preferred Route Trench

LOCUS MAP

N

0 500 1,000
Feet
1:10,000

NOTES

1. Based on USGS Topographic Map for Boston South, Massachusetts. Revised 1987. Contour Interval Equals 3m.

Notice of Intent

Andrew Square to Dewar Street Reliability Project

Boston, Massachusetts

March 2020

EVERSOURCE ENERGY

Tighe&Bond
Engineers | Environmental Specialists

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E-0755-072

FIGURE 2
ORTHOPHOTOGRAPH

LOCUS MAP

N

0 500 1,000
Feet

1:10,000

NOTES

1. Based on USGS Topographic Map for Boston South, Massachusetts. Revised 1987. Contour Interval Equals 3m.

Notice of Intent

Andrew Square to Dewar Street Reliability Project

Boston, Massachusetts

April 2021

EVERSOURCE ENERGY

Tighe&Bond
Engineers | Environmental Specialists

LEGEND

- Preferred Route Trench
- Coastal Bank Bluff or Sea Cliff
- Tidal Flat

MassDEP_Wetlands

Wetlands (MassDEP)

- Open Water (MassGIS)
- Inland Wetlands (MassGIS)
- Coastal Wetlands (MassGIS)

FEMA National Flood Hazard Layer

Flood Zone Designations

- AE: 1% Annual Chance of Flooding, with BFE
- VE: High Risk Coastal Area

V:\Projects\E\E0755\Maps\Andrews Square\NOI\Figure 2 - Orthophoto.mxd [Exported By: KDippold, 4/15/2021, 3:16:59 PM]

Figure 3

NOTES TO USERS

This map is for use in administering the National Flood Insurance Program. It does not necessarily identify all areas subject to flooding, particularly from local drainage sources of small size. The **community map repository** should be consulted for possible updated or additional flood hazard information.

To obtain more detailed information in areas where **Base Flood Elevations** (BFEs) and/or **floodways** have been determined, users are encouraged to consult the Flood Profiles and Floodway Data and/or Summary of Stillwater Elevations tables contained within the Flood Insurance Study (FIS) Report that accompanies this FIRM. Users should be aware that BFEs shown on the FIRM represent rounded whole-foot elevations. These BFEs are intended for flood insurance rating purposes only and should not be used as the sole source of flood elevation information. Accordingly, flood elevation data presented in the FIS Report should be utilized in conjunction with the FIRM for purposes of construction and/or floodplain management.

Coastal Base Flood Elevations shown on this map apply only landward of 0.0' North American Vertical Datum of 1988 (NAVD 88). Users of this FIRM should be aware that coastal flood elevations are also provided in the Summary of Stillwater Elevations table in the Flood Insurance Study Report for this jurisdiction. Elevations shown in the Summary of Stillwater Elevations table should be used for construction and/or floodplain management purposes when they are higher than the elevations shown on this FIRM.

Boundaries of the **floodways** were computed at cross sections and interpolated between cross sections. The floodways were based on hydraulic considerations with regard to requirements of the National Flood Insurance Program. Floodway widths and other pertinent floodway data are provided in the Flood Insurance Study Report for this jurisdiction.

The AE Zone category has been divided by a **Limit of Moderate Wave Action (LiMWA)**. The LiMWA represents the approximate landward limit of the 1.5-foot breaking wave. The effects of wave hazards between the VE Zone and the LiMWA (or between the shoreline and the LiMWA for areas where VE Zones are not identified) will be similar to, but less severe than those in the VE Zone.

Certain areas not in Special Flood Hazard Areas may be protected by **flood control structures**. Refer to Section 2.4 "Flood Protection Measures" of the Flood Insurance Study Report for information on flood control structures for this jurisdiction.

The **projection** used in the preparation of this map was Massachusetts State Plane Mainland Zone (FIPS zone 2001). The **horizontal datum** was NAD 83, GRS 1980 spheroid. Differences in datum, spheroid, projection or UTM zones used in the production of FIRMs for adjacent jurisdictions may result in slight positional differences in map features across jurisdiction boundaries. These differences do not affect the accuracy of this FIRM.

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NGS Information Services
NOAA, NNGS12
National Geodetic Survey
SSMC-3, #9202
1315 East-West Highway
Silver Spring, Maryland 20910-3282
(301) 713-3242

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Base map information shown on this FIRM is derived from Massachusetts Geographic Information System (MassGIS) digital ortho-photography produced at 45 centimeter (2005) and 30 centimeter (2008) resolution. Aerial photography is dated Spring 2005 and Spring 2008.

The **profile baselines** depicted on this map represent the hydraulic modeling baselines that match the flood profiles in the FIS report. As a result of improved topographic data, the **profile baseline**, in some cases, may deviate significantly from the channel centerline or appear outside the SFHA.

Based on updated topographic information, this map reflects more detailed and up-to-date **stream channel configurations and floodplain delineations** than those shown on the previous FIRM for this jurisdiction. As a result, the Flood Profiles and Floodway Data Tables for multiple streams in the Flood Insurance Study Report (which contains authoritative hydraulic data) may reflect stream channel distances that differ from what is shown on the map. Also, the road to floodplain relationships for unrevised streams may differ from what is shown on previous maps.

Corporate limits shown on this map are based on the best data available at the time of publication. Because changes due to annexations or de-annexations may have occurred after this map was published, map users should contact appropriate community officials to verify current corporate limit locations.

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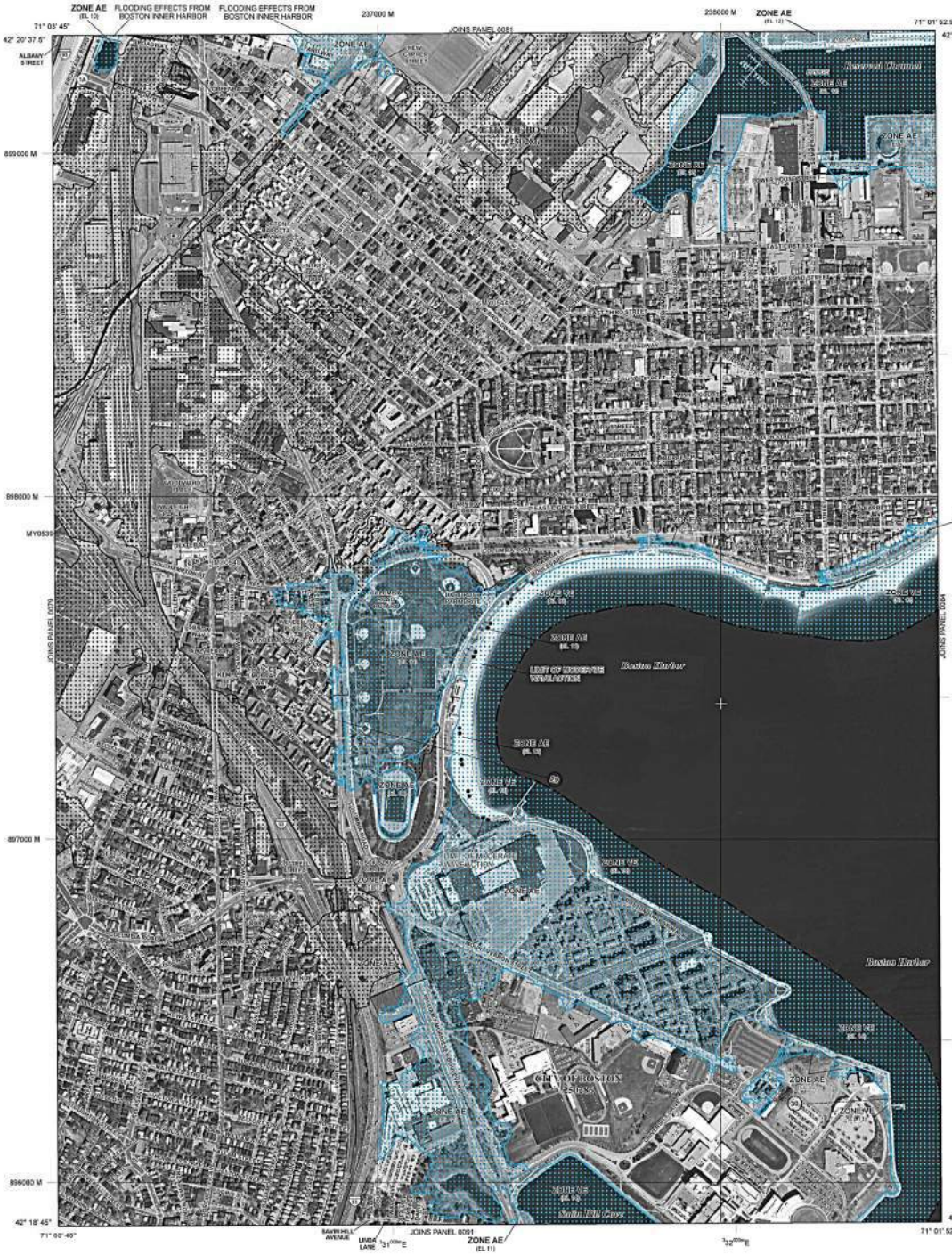
Only coastal structures that are certified to provide protection from the 1-percent-annual chance flood are shown on this panel. However, all structures taken into consideration for the purpose of coastal flood hazard analysis and mapping are present in the CFIRM database in S_Gen_Struct.



LEGEND

SPECIAL FLOOD HAZARD AREAS (SFHAs) SUBJECT TO INUNDATION BY THE 1% ANNUAL CHANCE FLOOD

The 1% annual chance flood (100 year flood), also known as the base flood, is the flood that has a 1% chance of being equaled or exceeded in any given year. The Special Flood Hazard Area is the area subject to flooding by the 1% annual chance flood. Areas of Special Flood Hazard include Zones A, AE, AH, AO, AR, A99, V, and VE. The Base Flood Elevation is the water-surface elevation of the 1% annual chance flood.

- **ZONE A** No Base Flood Elevations determined.
- **ZONE AE** Base Flood Elevations determined.
- **ZONE AH** Flood depths of 1 to 3 feet (usually areas of ponding); Base Flood Elevations determined.
- **ZONE AO** Flood depths of 1 to 3 feet (usually sheet flow on sloping terrain); average depths determined. For areas of alluvial fan flooding, velocities also determined.
- **ZONE AR** Special Flood Hazard Area formerly protected from the 1% annual chance flood by a flood control system that was subsequently decertified. Zone AR indicates that the former flood control system is being restored to provide protection from the 1% annual chance or greater flood.
- **ZONE A99** Area to be protected from 1% annual chance flood by a federal flood protection system under construction; no Base Flood Elevations determined.
- **ZONE V** Coastal flood zone with velocity hazard (wave action); no Base Flood Elevations determined.
- **ZONE VE** Coastal flood zone with velocity hazard (wave action); Base Flood Elevations determined.

FLOODWAY AREAS IN ZONE AE

The floodway is the channel of a stream plus any adjacent floodplain areas that must be kept free of encroachment so that the 1% annual chance flood can be carried without substantial increases in flood heights.

OTHER FLOOD AREAS

- **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.

OTHER AREAS

- **ZONE X** Areas determined to be outside the 0.2% annual chance floodplain.
- **ZONE D** Areas in which flood hazards are undetermined, but possible.

COASTAL BARRIER RESOURCES SYSTEM (CBRS) AREAS

OTHERWISE PROTECTED AREAS (OPAs)

CBRS areas and OPAs are normally located within or adjacent to Special Flood Hazard Areas.

- 1% Annual Chance Floodplain Boundary
- 0.2% Annual Chance Floodplain Boundary
- Floodway boundary
- Zone D boundary
- CBRS and OPA boundary
- Boundary dividing Special Flood Hazard Area Zones and boundary dividing Special Flood Hazard Areas of different Base Flood Elevations, flood depths, or flood velocities.
- Limit of Moderate Wave Action
- Limit of Moderate Wave Action coincident with Zone Break
- 513 Base Flood Elevation line and value; elevation in feet*
- (EL 987) Base Flood Elevation value where uniform within zone; elevation in feet*

*Referenced to the North American Vertical Datum of 1988

- A — A Cross section line
- 23 — 23 Transect line
- Culvert
- Bridge
- 45° 02' 08", 93° 02' 12" Geographic coordinates referenced to the North American Datum of 1983 (NAD 83) Western Hemisphere
- 4909000 M 1000-meter grid: Massachusetts State Plane Mainland Zone (FIPS Zone 2001), Lambert Conformal Conic projection
- 5000000 FT 1000-meter Universal Transverse Mercator tick values, zone 19N
- DX5510 Bench mark (see explanation in Notes to Users section of this FIRM panel)

MAP REPOSITORIES
Refer to Map Repositories list on Map Index

EFFECTIVE DATE OF COUNTYWIDE FLOOD INSURANCE RATE MAP
September 25, 2009

EFFECTIVE DATE(S) OF REVISION(S) TO THIS PANEL

March 16, 2016 - to change Base Flood Elevations and Special Flood Hazard Areas, to change zone designations, to update the effects of wave action, to update corporate limits, to add roads and road names, to incorporate previously issued Letters of Map Revision and to modify Coastal Barrier Resource System units.

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MAP SCALE 1" = 500'

200 0 500 1000 FEET
150 0 150 300 METERS

NFIP NATIONAL FLOOD INSURANCE PROGRAM

PANEL 0083J

FIRM

FLOOD INSURANCE RATE MAP

SUFFOLK COUNTY, MASSACHUSETTS (ALL JURISDICTIONS)

PANEL 83 OF 176
(SEE MAP INDEX FOR FIRM PANEL LAYOUT)

CONTAINS:

COMMUNITY	NUMBER	PANEL	SUFFIX
BOSTON, CITY OF	250286	0083	J

Notice to User: The **Map Number** shown below should be used when placing map orders; the **Community Number** shown above should be used on insurance applications for the subject community.

MAP NUMBER
25025C0083J
MAP REVISED
MARCH 16, 2016

Federal Emergency Management Agency

Figure 4

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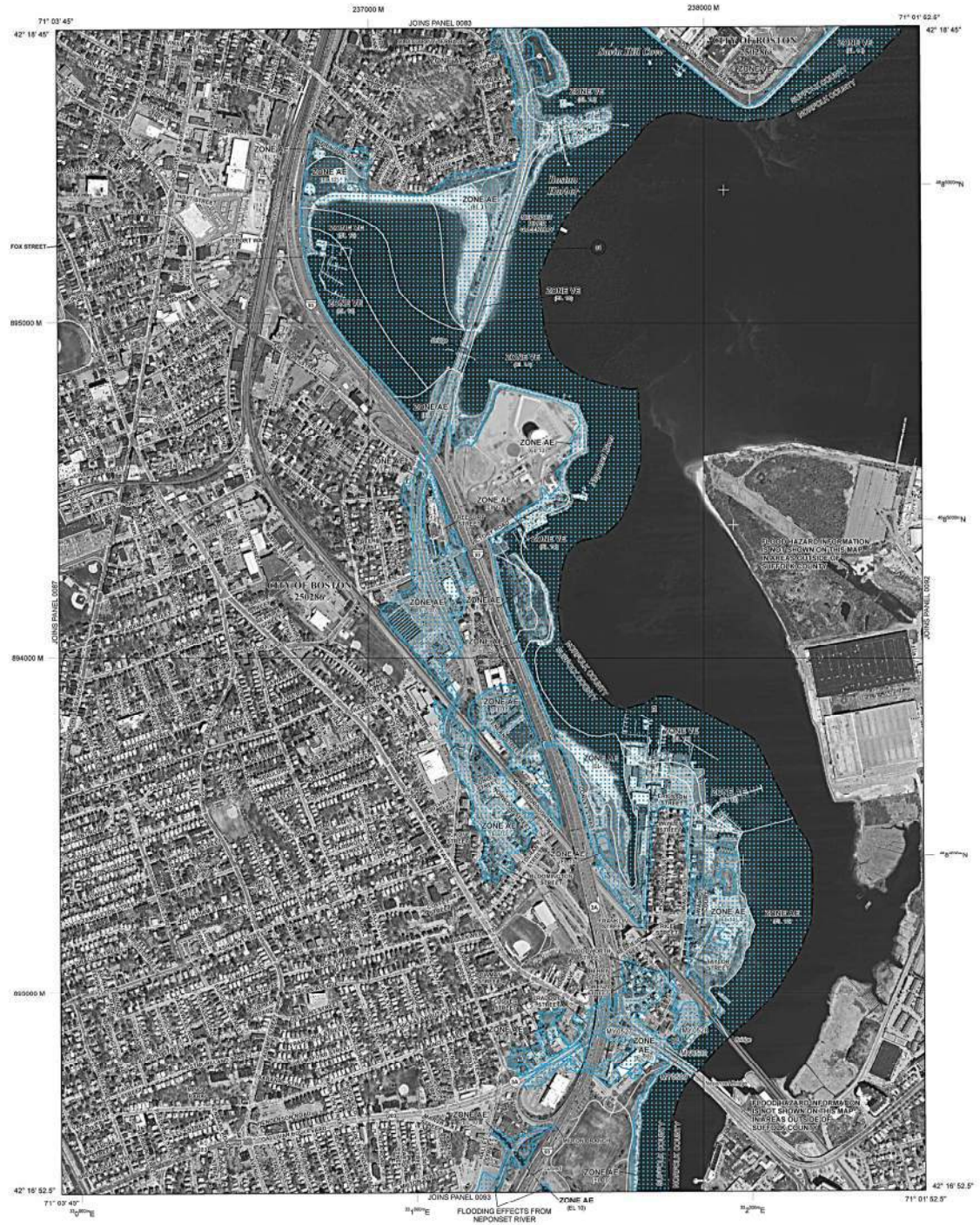

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200 0 500 1000 FEET
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NFIP
NATIONAL FLOOD INSURANCE PROGRAM

PANEL 0091J

FIRM

FLOOD INSURANCE RATE MAP

SUFFOLK COUNTY, MASSACHUSETTS
(ALL JURISDICTIONS)

PANEL 91 OF 176
(SEE MAP INDEX FOR FIRM PANEL LAYOUT)

CONTAINS:

COMMUNITY	NUMBER	PANEL	SUFFIX
BOSTON, CITY OF	250286	0091	J

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MAP NUMBER
25025C0091J
MAP REVISED
MARCH 16, 2016

Federal Emergency Management Agency

Tighe&Bond

APPENDIX B

Photo 1 – Springdale Street facing west. McConnell Park is to the south. (10/10/18)

Photo 2 – Playstead Road facing south. (10/10/18)

Photo 3 – Old Colony Terrace facing southwest. (10/10/18)

Photo 4 – Intersection of Old Colony Terrace and Morrissey Boulevard. (10/10/18)

Photo 5 – Patten's Cove culvert crossing facing northwest. (10/10/18)

Photo 6 – Morrissey Boulevard facing north from south bound lanes. (10/10/18)

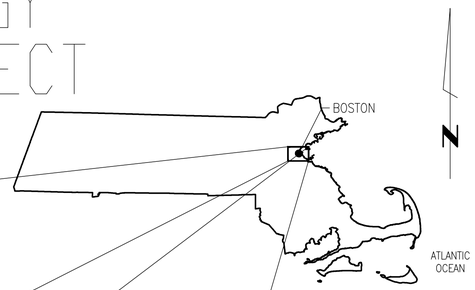
Photo 7 – Morrissey Boulevard facing north from north bound lanes. (10/10/18)

Photo 8 – O'Callaghan Boulevard facing north. (10/16 Google Earth)

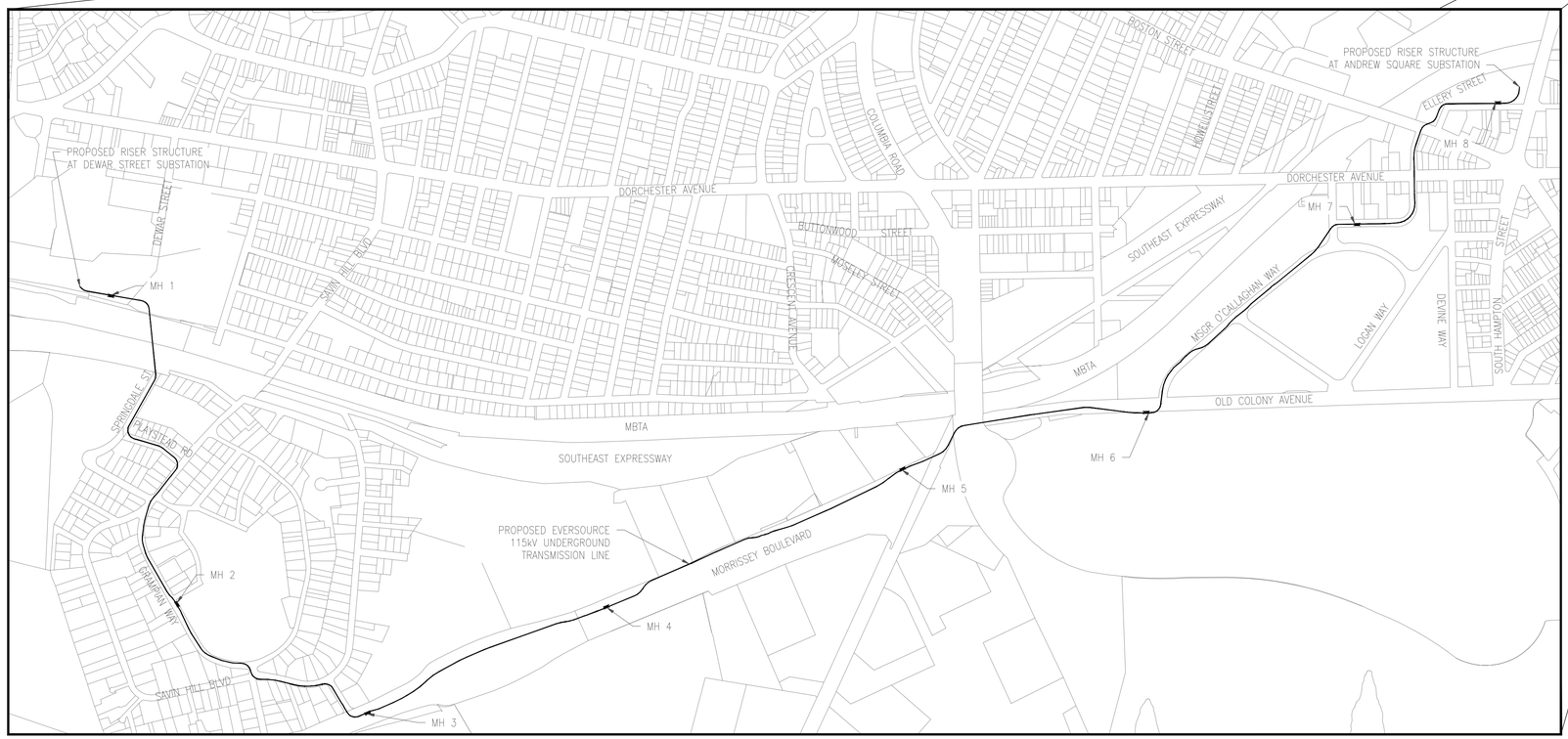
Tighe&Bond

APPENDIX C

NSTAR ELECTRIC COMPANY d/b/a EVERSOURCE ENERGY
ANDREW SQUARE TO DEWAR STREET RELIABILITY PROJECT
115kV UNDERGROUND TRANSMISSION LINE



AREA MAP
MASSACHUSETTS
N.T.S.



VICINITY MAP
N.T.S.

NO.	DESCRIPTION	BY	DATE	APPR.
K	CITY OF BOSTON – NOTICE OF INTENT PACKAGE	LAS	4/27/21	TSG
J	ISSUED FOR REVIEW – 100% DESIGN	LAS	3/19/21	TSG
H	ISSUED FOR REVIEW – CULVERT CROSSING UPDATE	LAS	3/3/21	TSG
G	ISSUED FOR REVIEW – PATTEN'S COVE CULVERT CROSSING	LAS	12/30/20	TSG
F	MBTA & MASSDOT I-93 CROSSING	LAS	3/5/20	TSG

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EVERSOURCE
DESIGN ENGINEER: JAMIL ABDULLAH

POWER ENGINEERS
PROJECT ENGINEER: TODD GOYETTE

EVERSOURCE
WORK ORDER NUMBER:

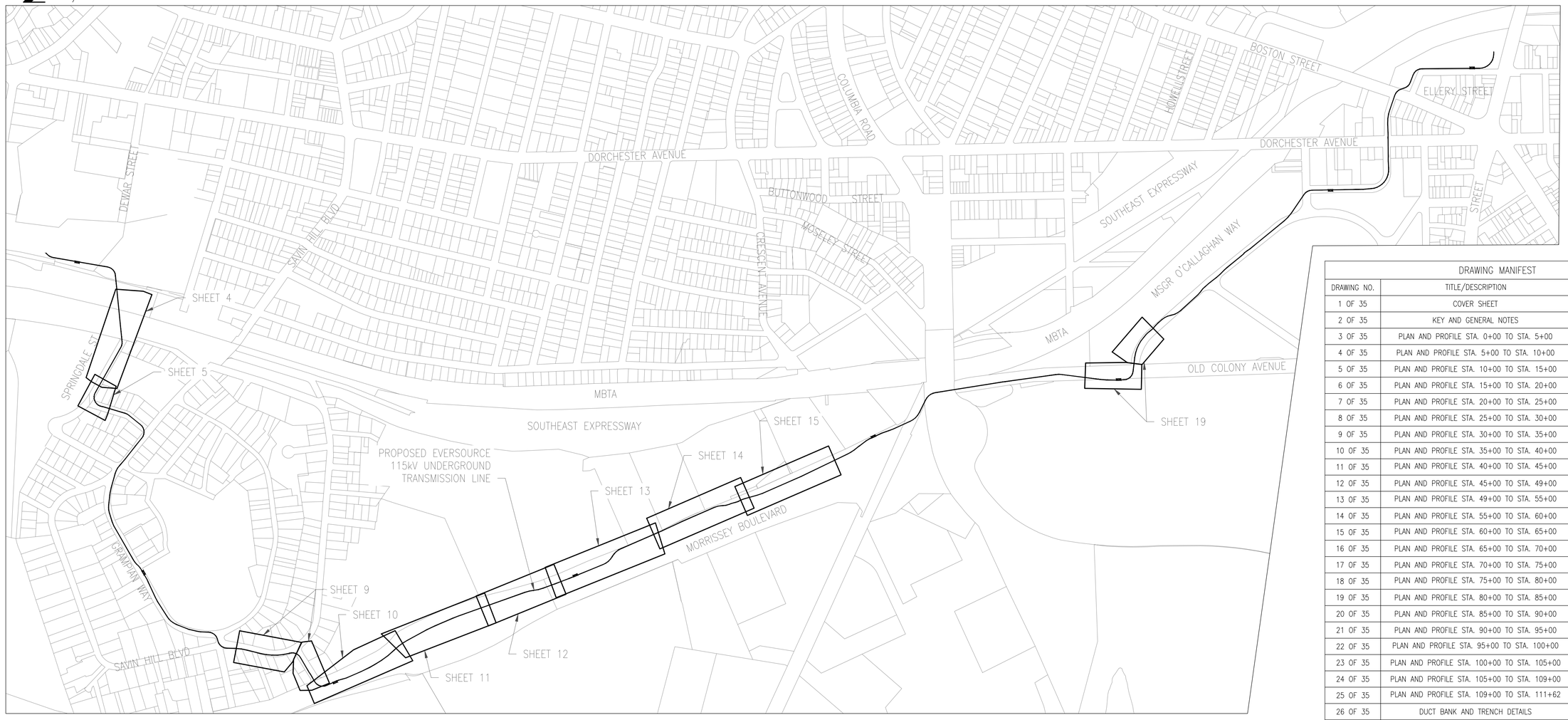
POWER ENGINEERS
PROJECT NUMBER: 151580

COMMONWEALTH OF MASSACHUSETTS
TODD S. GOYETTE
ELECTRICAL
No. 45181
REGISTERED
PROFESSIONAL ENGINEER

EVERSOURCE ENERGY

COVER SHEET
ANDREW SQUARE TO DEWAR STREET RELIABILITY PROJECT
115kV UNDERGROUND TRANSMISSION LINE
BOSTON, MASSACHUSETTS

SCALE:	DATE	DRAWN	CH'KD.	APPR.	DRAWING NO.	REV.
N.T.S	7/12/18	REO	TSG		1 OF 35	K



DRAWING MANIFEST			
DRAWING NO.	TITLE/DESCRIPTION	REVISION	DATE
1 OF 35	COVER SHEET	K	4/27/21
2 OF 35	KEY AND GENERAL NOTES	K	4/27/21
3 OF 35	PLAN AND PROFILE STA. 0+00 TO STA. 5+00		
4 OF 35	PLAN AND PROFILE STA. 5+00 TO STA. 10+00	K	4/27/21
5 OF 35	PLAN AND PROFILE STA. 10+00 TO STA. 15+00	K	4/27/21
6 OF 35	PLAN AND PROFILE STA. 15+00 TO STA. 20+00		
7 OF 35	PLAN AND PROFILE STA. 20+00 TO STA. 25+00		
8 OF 35	PLAN AND PROFILE STA. 25+00 TO STA. 30+00		
9 OF 35	PLAN AND PROFILE STA. 30+00 TO STA. 35+00	K	4/27/21
10 OF 35	PLAN AND PROFILE STA. 35+00 TO STA. 40+00	K	4/27/21
11 OF 35	PLAN AND PROFILE STA. 40+00 TO STA. 45+00	K	4/27/21
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13 OF 35	PLAN AND PROFILE STA. 49+00 TO STA. 55+00	K	4/27/21
14 OF 35	PLAN AND PROFILE STA. 55+00 TO STA. 60+00	K	4/27/21
15 OF 35	PLAN AND PROFILE STA. 60+00 TO STA. 65+00	K	4/27/21
16 OF 35	PLAN AND PROFILE STA. 65+00 TO STA. 70+00		
17 OF 35	PLAN AND PROFILE STA. 70+00 TO STA. 75+00		
18 OF 35	PLAN AND PROFILE STA. 75+00 TO STA. 80+00		
19 OF 35	PLAN AND PROFILE STA. 80+00 TO STA. 85+00	K	4/27/21
20 OF 35	PLAN AND PROFILE STA. 85+00 TO STA. 90+00		
21 OF 35	PLAN AND PROFILE STA. 90+00 TO STA. 95+00		
22 OF 35	PLAN AND PROFILE STA. 95+00 TO STA. 100+00		
23 OF 35	PLAN AND PROFILE STA. 100+00 TO STA. 105+00		
24 OF 35	PLAN AND PROFILE STA. 105+00 TO STA. 109+00		
25 OF 35	PLAN AND PROFILE STA. 109+00 TO STA. 111+62		
26 OF 35	DUCT BANK AND TRENCH DETAILS	K	4/27/21
27 OF 35	DUCT BANK AND TRENCH DETAILS	K	4/27/21
28 OF 35	RISER SWEEP DETAILS		
29 OF 35	MANHOLE DETAILS		
30 OF 35	MISCELLANEOUS MANHOLE DETAILS		
31 OF 35	MANHOLE PROFILE DETAILS		
32 OF 35	HANDHOLE DETAILS		
33 OF 35	MANHOLE COVER DETAILS		
34 OF 35	SHEATH BONDING DIAGRAM		
35 OF 35	CULVERT CROSSING	K	4/27/21

LEGEND

- BIT. CONC. BITUMINOUS CONCRETE
- CABLE MANHOLE
- CATCH BASIN
- CONC. CONCRETE
- CONCRETE BOUND
- CONCRETE BOUND W/DRILL HOLE
- CONIFEROUS TREE
- DECIDUOUS TREE
- STORM DRAIN MANHOLE
- ELECTRIC HANDHOLE
- ELECTRIC MANHOLE
- GAS GATE
- HYDRANT
- INV. INVERT
- LAMP
- LIGHT POLE
- MAIL BOX
- MANHOLE
- METAL POST
- R.O.W. RIGHT-OF-WAY
- SANITARY MANHOLE
- WATER MANHOLE
- TELEPHONE MANHOLE
- SHRUB
- STONE BOUND W/DRILL HOLE
- TRAFFIC CONTROL BOX
- UTILITY ACCESS PANEL
- UTILITY POLE
- UTILITY POLE W/LIGHT
- UTILITY POLE W/TRANSFORMER
- WATER GATE
- WATER LINE
- TELEPHONE LINE
- DRAIN LINE
- SEWER LINE
- GAS LINE
- UNDERGROUND ELECTRIC CONDUIT
- OVERHEAD ELECTRIC WIRE
- CABLE TELEVISION CONDUIT
- TREELINE
- BRUSHLINE
- FENCE
- WETLANDS
- LAND SUBJECT TO COASTAL STORM FLOWAGE
- 100' WETLAND BUFFER ZONE
- 25' WATERFRONT AREA

KEY

NOTES:

1. THE UTILITIES SHOWN HEREON ARE BASED ON FIELD SURVEYS, AERIAL PHOTOGRAPHY AND RECORD DOCUMENTS. OTHER FACILITIES MAY EXIST NOT DISCOVERED THROUGH THE RECORD CHECK. THE CONTRACTOR SHALL VERIFY THE EXACT LOCATION, BOTH HORIZONTAL AND VERTICAL, OF ALL UTILITIES THROUGH THE APPROPRIATE UTILITY COMPANIES. CALL BEFORE YOU DIG ~ 1-888-344-7233.
2. VERTICAL DATUM IS BASED ON NAVD 1988, HORIZONTAL DATUM IS BASED ON MASSACHUSETTS PLANE COORDINATE GRID VALUES IN US FEET, NAD 1983 (2011).
3. ALL VERTICAL CURVES ARE 500' UNLESS OTHERWISE NOTED.
4. SIZE AND DEPTH OF ALL WATER, TELEPHONE, GAS, AND UNDERGROUND ELECTRICAL UTILITIES ARE ASSUMED.
5. DETAIL DESIGN MAY BE OPTIMIZED TO REFLECT ACTUAL CONDITIONS.
6. ALL EXISTING ROAD MARKINGS ARE ESTIMATED.
7. CONTRACTOR IS RESPONSIBLE FOR PLACING SILT FENCE OR OTHER APPROVED EROSION CONTROL DEVICES.
8. CONTRACTOR SHALL INSTALL SILT SACK OR APPROVED EQUAL TO ALL CATCH BASINS OR CURB INLETS WITHIN THE DEFINED WORK ZONE.
9. CONTRACTOR SHALL ENSURE PROPER CONTROLS ARE IN PLACE SO WORKERS DO NOT TRACK SEDIMENT PAST THE LIMITS OF WORK.
10. CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIRING ANY & ALL UTILITIES AND FACILITIES DAMAGED DURING CONSTRUCTION IN ACCORDANCE WITH THE APPLICABLE UTILITY SPECIFICATION, LOCAL AND/OR STATE REQUIREMENTS.

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PRELIMINARY DESIGN
NOT FOR CONSTRUCTION

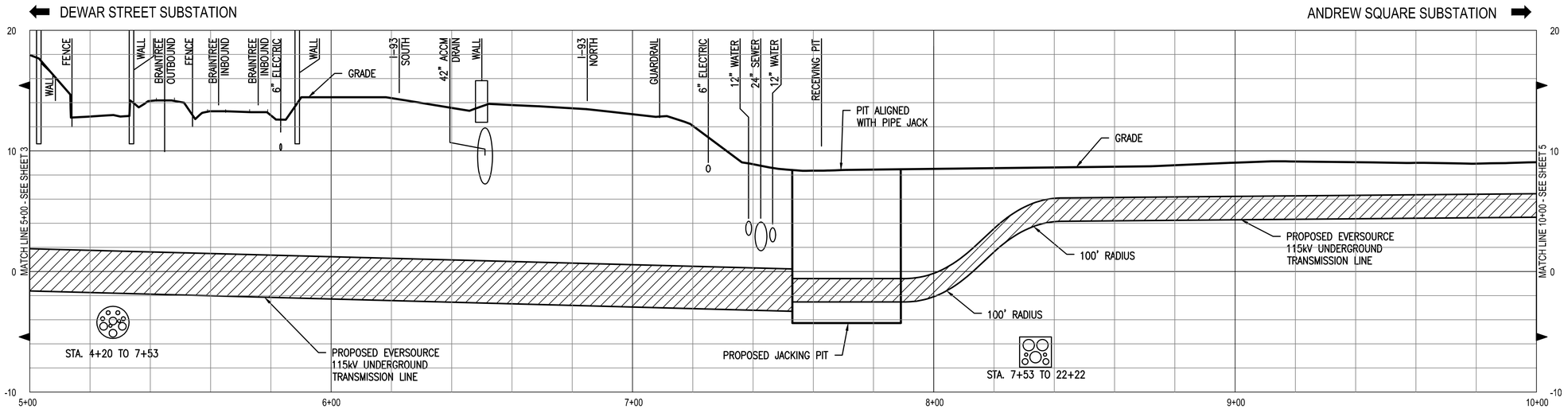
COMMONWEALTH OF MASSACHUSETTS
TODD S. GOYETTE
ELECTRICAL
No. 45181
REGISTERED
PROFESSIONAL ENGINEER

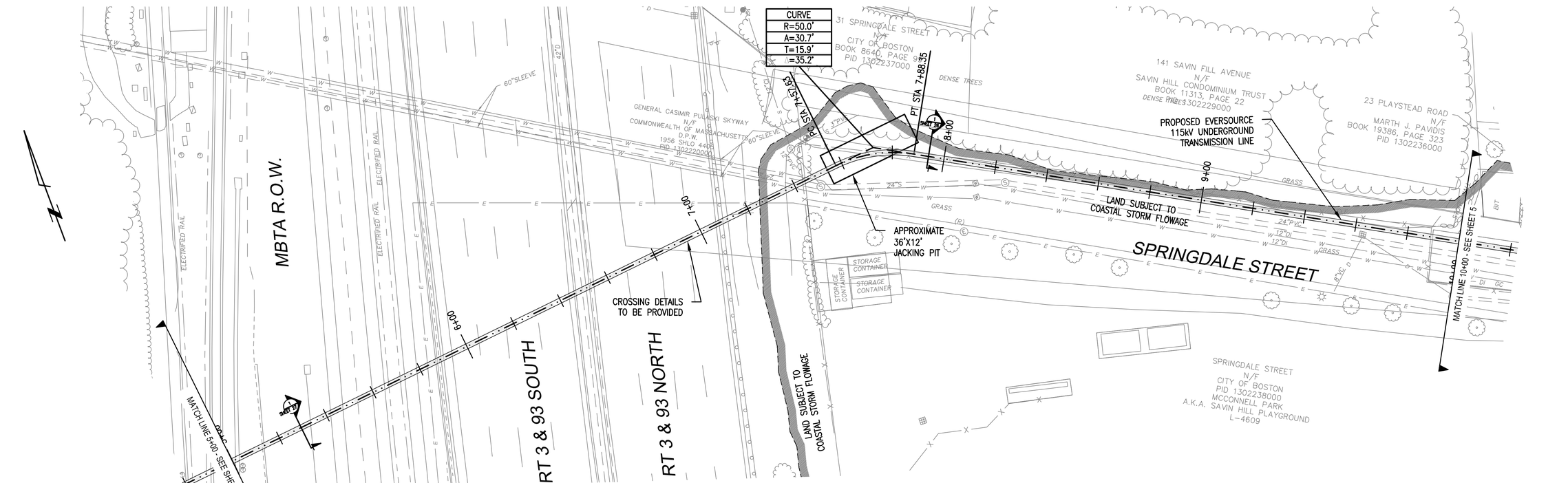
NO.	DESCRIPTION	BY	DATE	APPR.
	REVISION			
K	CITY OF BOSTON – NOTICE OF INTENT PACKAGE	LAS	4/27/21	TSG
J	ISSUED FOR REVIEW – 100% DESIGN	LAS	3/12/21	TSG
H	ISSUED FOR REVIEW – CULVERT CROSSING UPDATE	LAS	3/3/21	TSG
G	ISSUED FOR REVIEW – PATTEN'S COVE CULVERT CROSSING	LAS	12/30/20	TSG
F	MBTA & MASSDOT I-93 CROSSING	LAS	3/5/20	TSG

EVERSOURCE ENERGY

KEY AND GENERAL NOTES
ANDREW SQUARE TO DEWAR STREET RELIABILITY PROJECT
115kV UNDERGROUND TRANSMISSION LINE
BOSTON, MASSACHUSETTS

SCALE:	DATE	DRAWN	CH'K D.	APPR.	DRAWING NO.	REV.
N.T.S.	7/6/18	REO	TSG		2 OF 35	K





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PRELIMINARY DESIGN
NOT FOR CONSTRUCTION

0 10 20 40 60 FEET
HORIZONTAL SCALE 1"= 20'

0 5 10 15 FEET
VERTICAL SCALE 1"= 5'

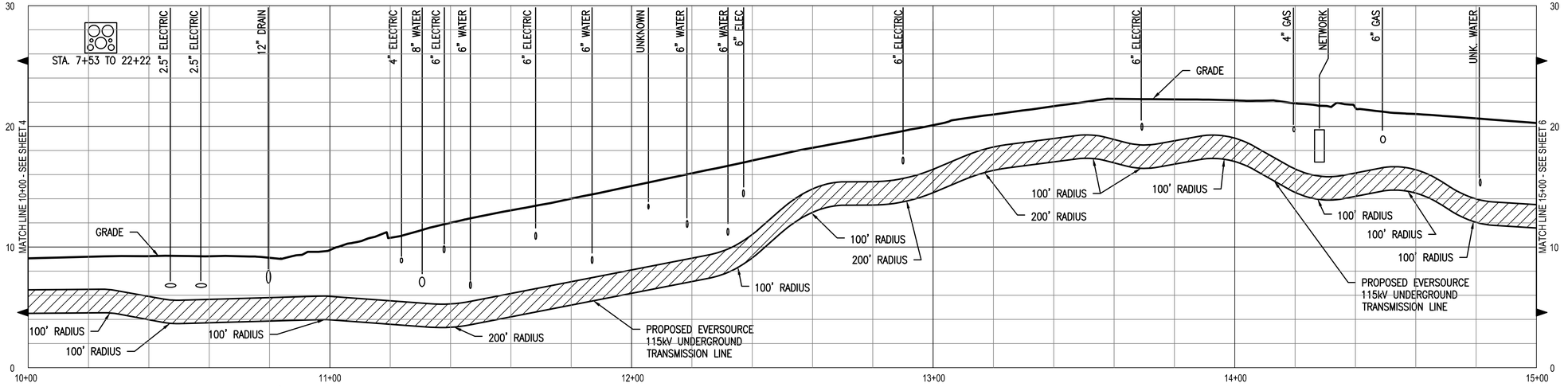
NO.	DESCRIPTION	BY	DATE	APPR.
K	CITY OF BOSTON – NOTICE OF INTENT PACKAGE	LAS	4/27/21	TSG
J	ISSUED FOR REVIEW – 100% DESIGN	LAS	3/19/21	TSG
H	ISSUED FOR REVIEW – CULVERT CROSSING UPDATE	LAS	3/3/21	TSG
G	ISSUED FOR REVIEW – PATTEN'S COVE CULVERT CROSSING	LAS	12/30/20	TSG
F	MBTA & MASSDOT I-93 CROSSING	LAS	3/5/20	TSG

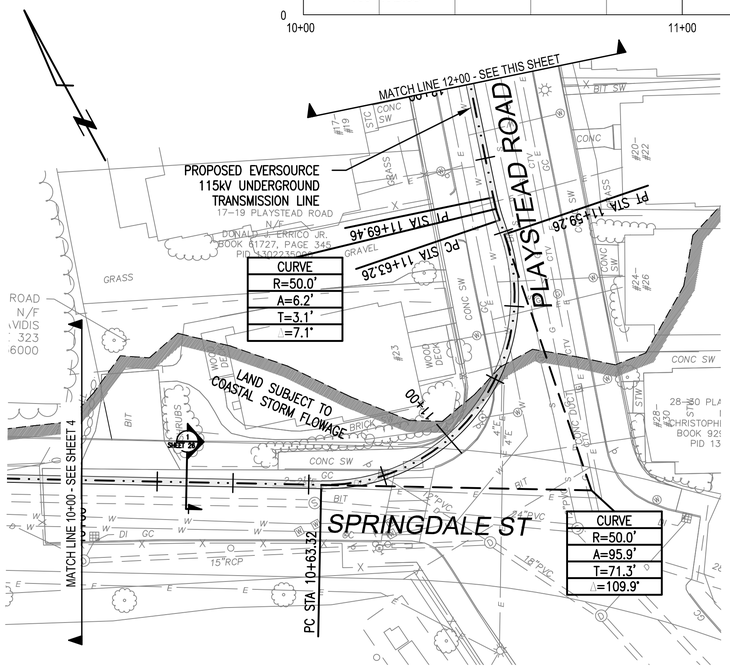
REVISION

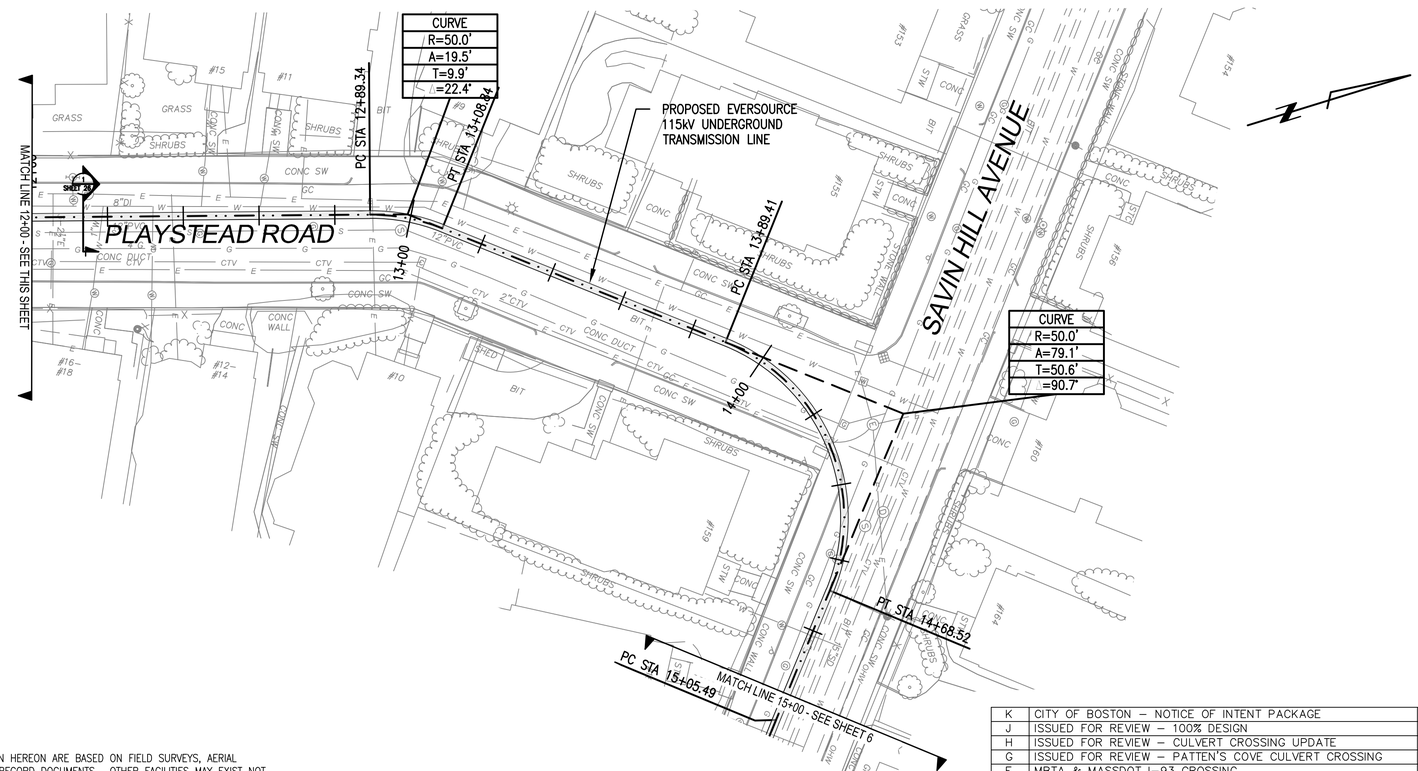
EVERSOURCE ENERGY

PLAN AND PROFILE STA 5+00 TO 10+00
ANDREW SQUARE TO DEWAR STREET RELIABILITY PROJECT
115kV UNDERGROUND TRANSMISSION LINE
BOSTON, MASSACHUSETTS

SCALE: UNLESS NOTED	DATE	DRAWN	CH'K D.	APPR.	DRAWING NO.	REV.
H: 1"=20' V: 1"=5'	7/12/18	LAS	TSG		4 OF 35	K







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PRELIMINARY DESIGN
NOT FOR CONSTRUCTION

0 10 20 40 60 FEET
HORIZONTAL SCALE 1"= 20'

0 5 10 15 FEET
VERTICAL SCALE 1"= 5'

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TODD S. GOYETTE
ELECTRICAL
No. 45181
REGISTERED
PROFESSIONAL ENGINEER

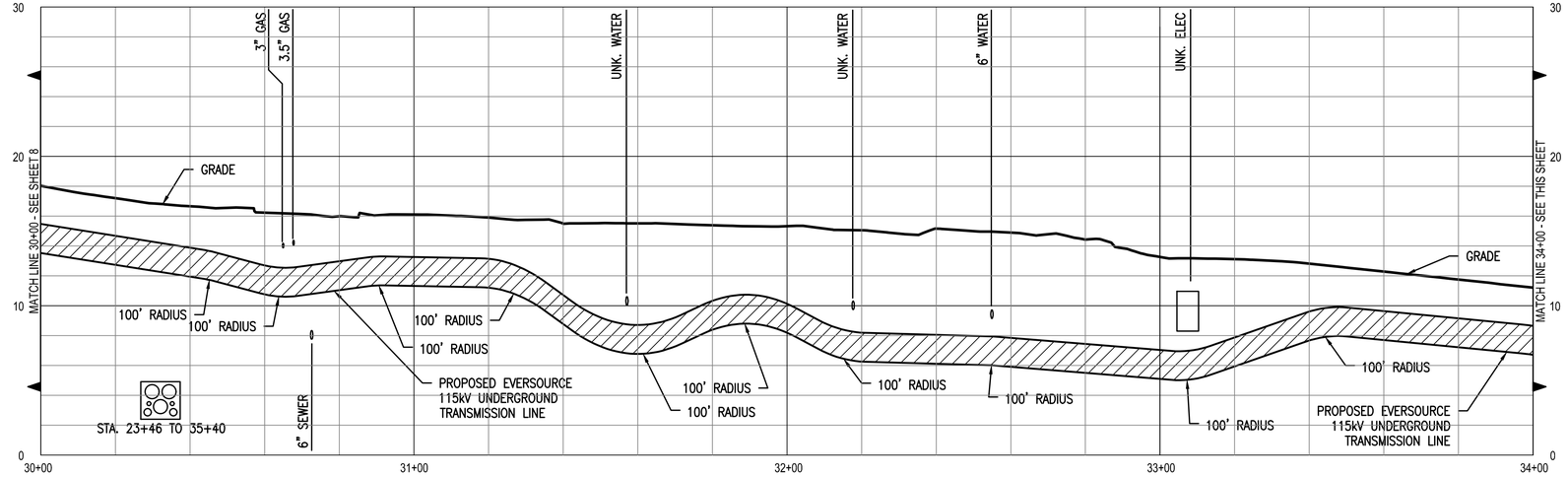
NO.	DESCRIPTION	BY	DATE	APPR.
K	CITY OF BOSTON – NOTICE OF INTENT PACKAGE	LAS	4/27/21	TSG
J	ISSUED FOR REVIEW – 100% DESIGN	LAS	3/19/21	TSG
H	ISSUED FOR REVIEW – CULVERT CROSSING UPDATE	LAS	3/3/21	TSG
G	ISSUED FOR REVIEW – PATTEN'S COVE CULVERT CROSSING	LAS	12/30/20	TSG
F	MBTA & MASSDOT I-93 CROSSING	LAS	3/5/20	TSG

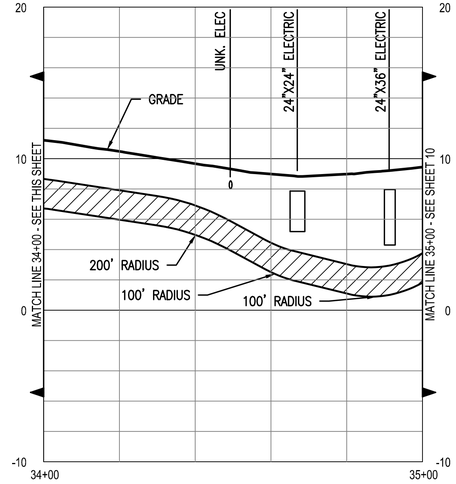
REVISION

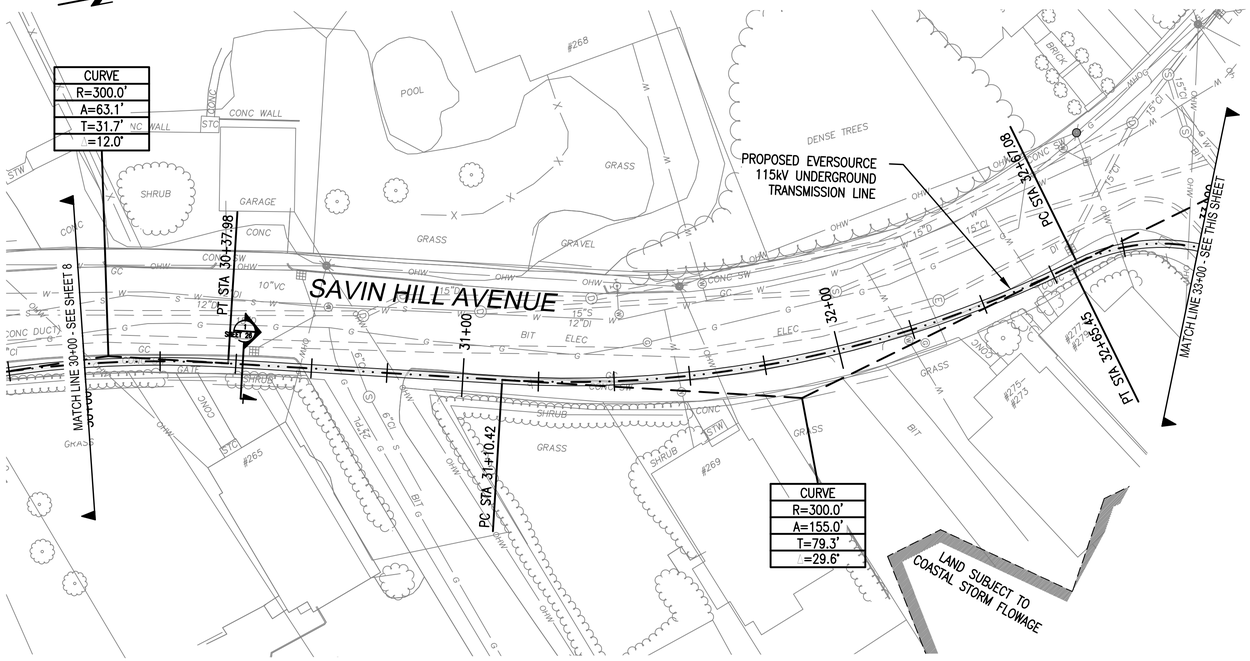
EVERSOURCE ENERGY

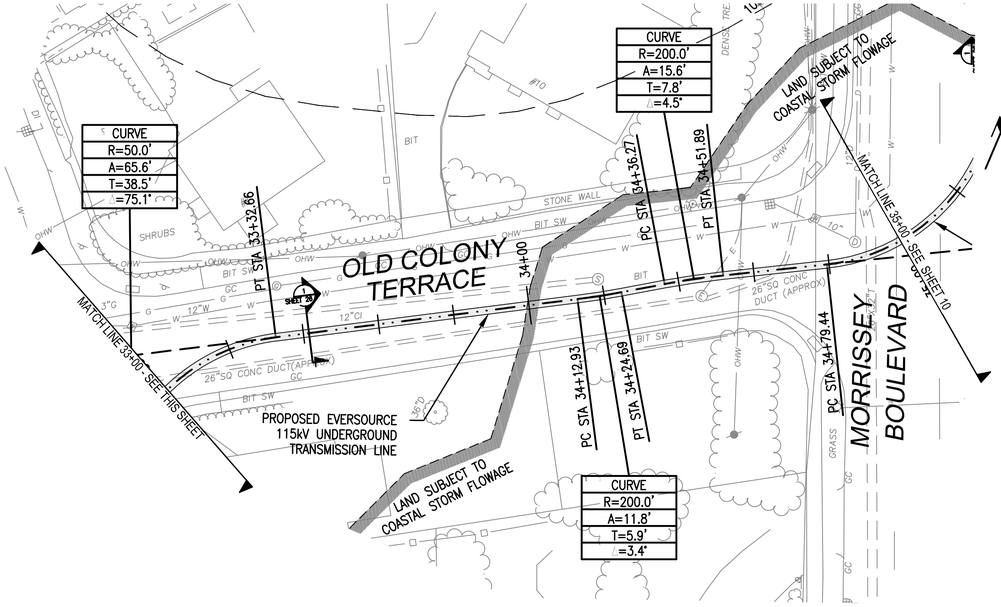
PLAN AND PROFILE STA 10+00 TO 15+00
ANDREW SQUARE TO DEWAR STREET RELIABILITY PROJECT
115kV UNDERGROUND TRANSMISSION LINE
BOSTON, MASSACHUSETTS

SCALE: UNLESS NOTED	DATE	DRAWN	CH'K D.	APPR.	DRAWING NO.	REV.
H: 1"=20' V: 1"=5'	7/12/18	LAS	TSG		5 OF 35	K









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PRELIMINARY DESIGN
NOT FOR CONSTRUCTION

0 10 20 40 60 FEET
HORIZONTAL SCALE 1"= 20'

0 5 10 15 FEET
VERTICAL SCALE 1"= 5'

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ELECTRICAL
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PROFESSIONAL ENGINEER

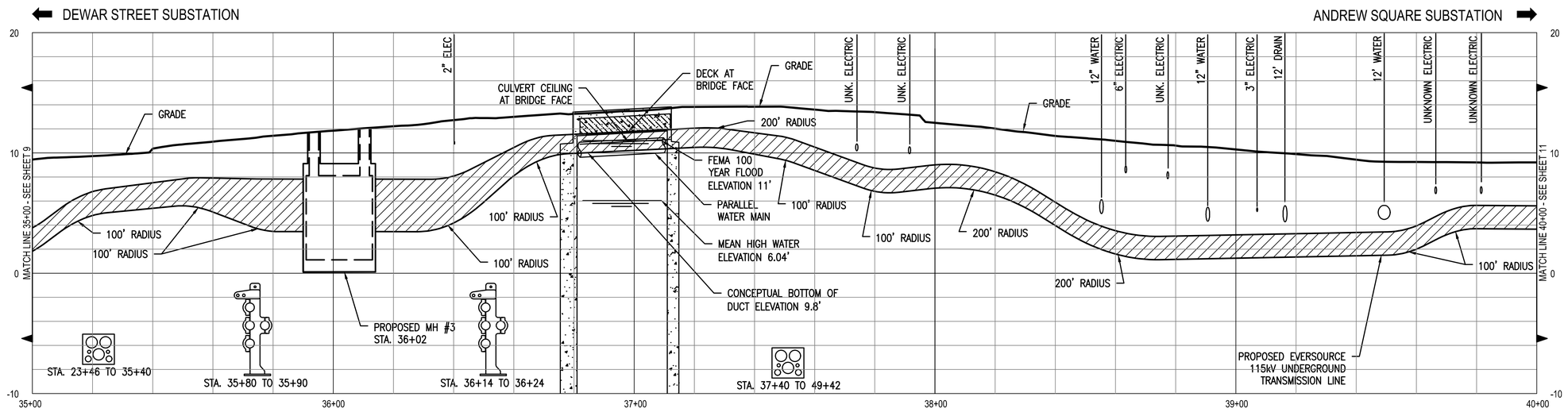
NO.	DESCRIPTION	BY	DATE	APPR.
K	CITY OF BOSTON – NOTICE OF INTENT PACKAGE	LAS	4/27/21	TSG
J	ISSUED FOR REVIEW – 100% DESIGN	LAS	3/19/21	TSG
H	ISSUED FOR REVIEW – CULVERT CROSSING UPDATE	LAS	3/3/21	TSG
G	ISSUED FOR REVIEW – PATTEN'S COVE CULVERT CROSSING	LAS	12/30/20	TSG
F	MBTA & MASSDOT I-93 CROSSING	LAS	3/5/20	TSG

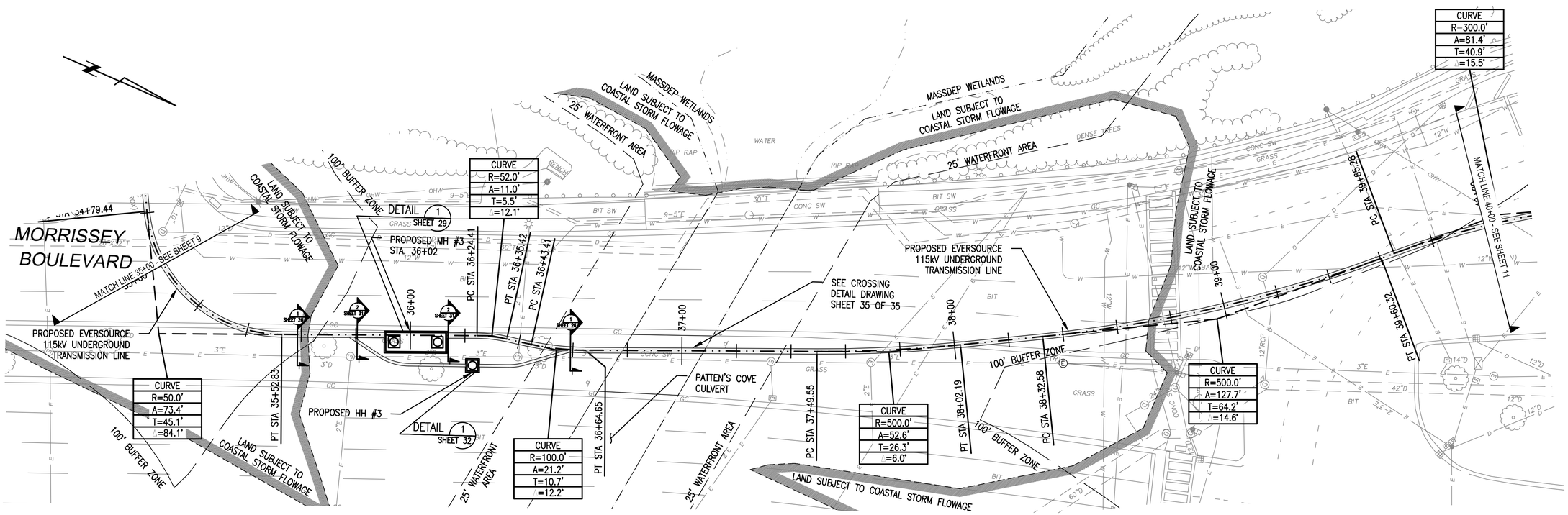
REVISION

EVERSOURCE ENERGY

PLAN AND PROFILE STA 30+00 TO 35+00
ANDREW SQUARE TO DEWAR STREET RELIABILITY PROJECT
115kV UNDERGROUND TRANSMISSION LINE
BOSTON, MASSACHUSETTS

SCALE: UNLESS NOTED	DATE	DRAWN	CH'K D.	APPR.	DRAWING NO.	REV.
H: 1"=20' V: 1"=5'	7/12/18	LAS	TSG		9 OF 35	K





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PRELIMINARY DESIGN
NOT FOR CONSTRUCTION

0 10 20 40 60 FEET
HORIZONTAL SCALE 1"= 20'

0 5 10 15 FEET
VERTICAL SCALE 1"= 5'

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NO.	DESCRIPTION	BY	DATE	APPR.
K	CITY OF BOSTON – NOTICE OF INTENT PACKAGE	LAS	4/27/21	TSG
J	ISSUED FOR REVIEW – 100% DESIGN	LAS	3/19/21	TSG
H	ISSUED FOR REVIEW – CULVERT CROSSING UPDATE	LAS	3/3/21	TSG
G	ISSUED FOR REVIEW – PATTEN'S COVE CULVERT CROSSING	LAS	12/30/20	TSG
F	MBTA & MASSDOT I-93 CROSSING	LAS	3/5/20	TSG

REVISION

EVERSOURCE ENERGY

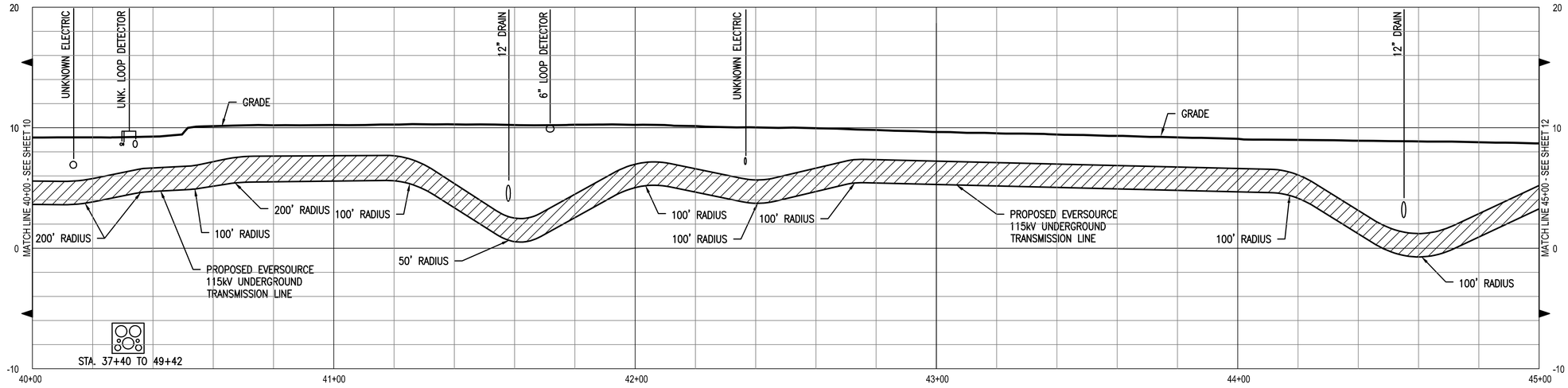
PLAN AND PROFILE STA 35+00 TO 40+00

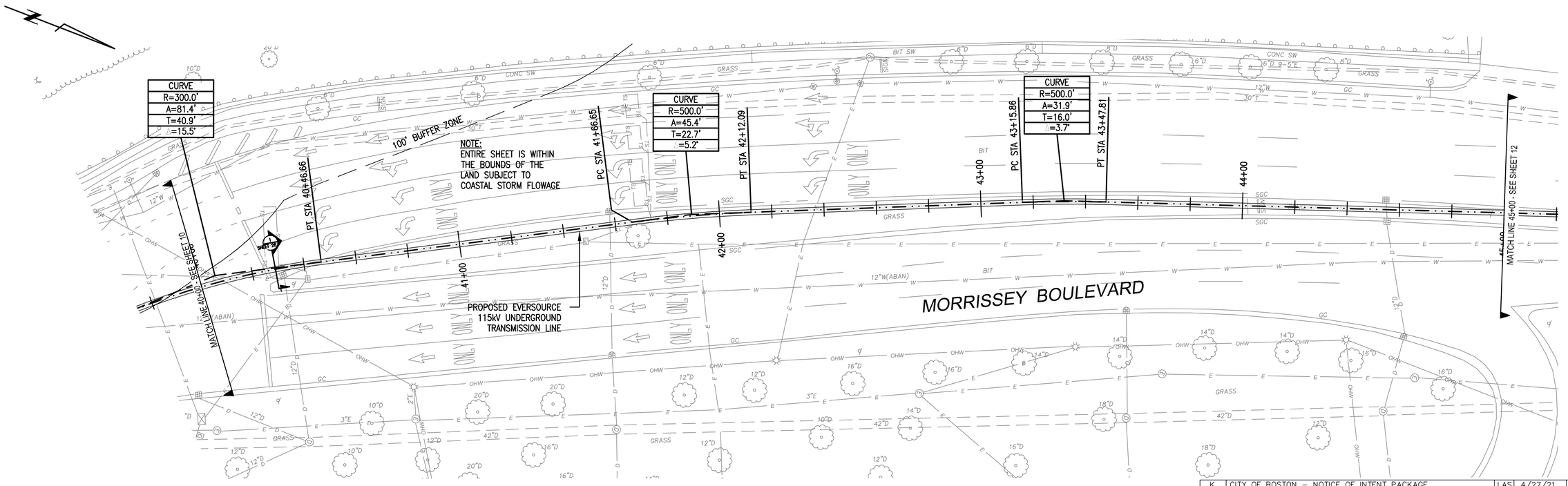
ANDREW SQUARE TO DEWAR STREET RELIABILITY PROJECT

115kV UNDERGROUND TRANSMISSION LINE

BOSTON, MASSACHUSETTS

SCALE: UNLESS NOTED	DATE	DRAWN	CH'K D.	APPR.	DRAWING NO.	REV.
H: 1"=20' V: 1"=5'	7/12/18	LAS	TSG		10 OF 35	K





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PRELIMINARY DESIGN
NOT FOR CONSTRUCTION

0 10 20 40 60 FEET
HORIZONTAL SCALE 1"= 20'

0 5 10 15 FEET
VERTICAL SCALE 1"= 5'

NO.	DESCRIPTION	BY	DATE	APPR.
K	CITY OF BOSTON – NOTICE OF INTENT PACKAGE	LAS	4/27/21	TSG
J	ISSUED FOR REVIEW – 100% DESIGN	LAS	3/19/21	TSG
H	ISSUED FOR REVIEW – CULVERT CROSSING UPDATE	LAS	3/3/21	TSG
G	ISSUED FOR REVIEW – PATTEN'S COVE CULVERT CROSSING	LAS	12/30/20	TSG
F	MBTA & MASSDOT I-93 CROSSING	LAS	3/5/20	TSG

REVISION

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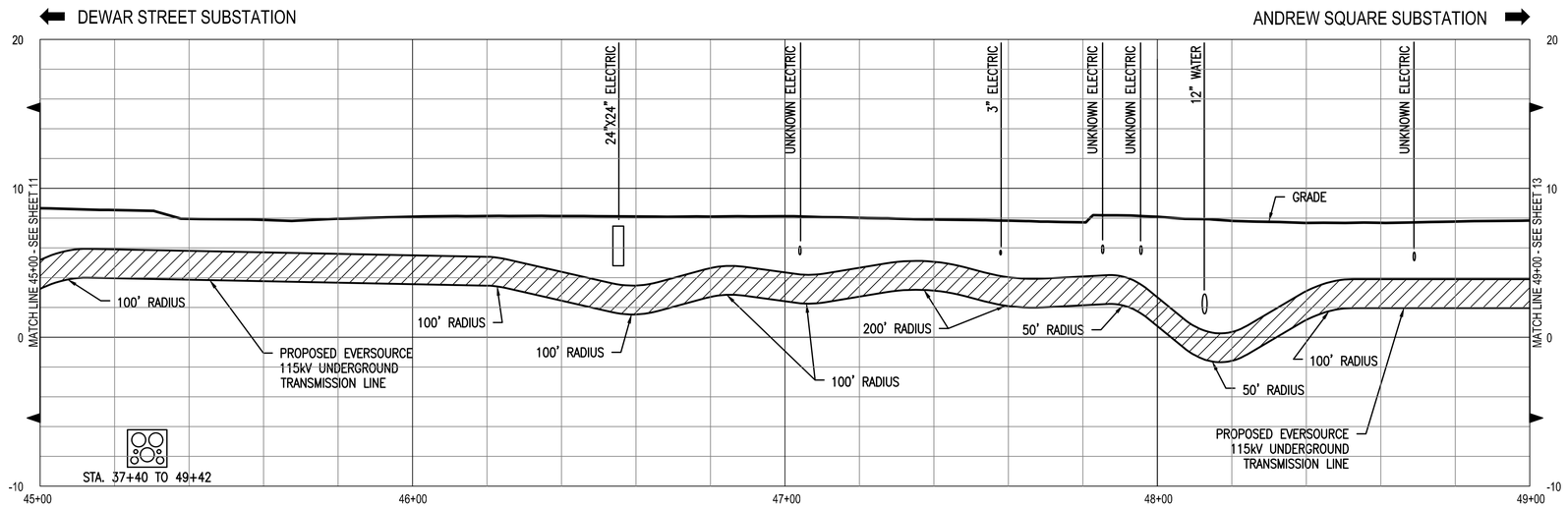
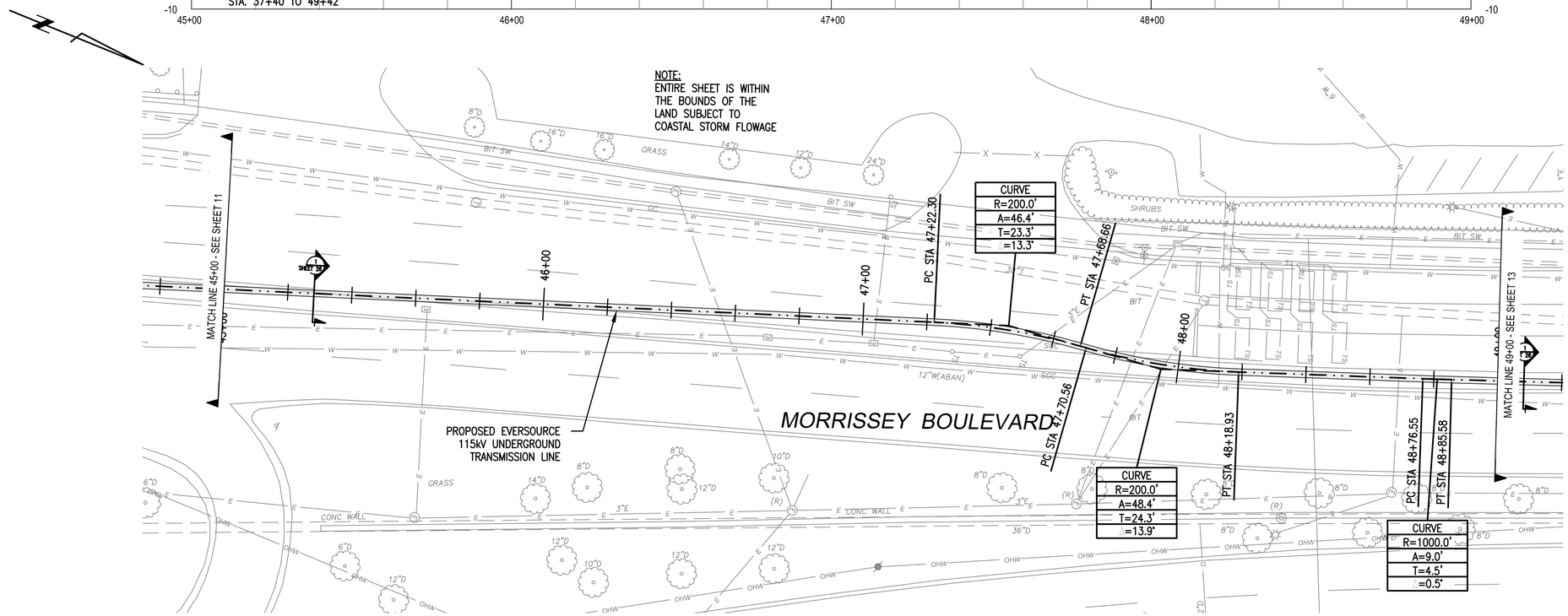
EVERSOURCE ENERGY

PLAN AND PROFILE STA 40+00 TO 45+00
ANDREW SQUARE TO DEWAR STREET RELIABILITY PROJECT
115kV UNDERGROUND TRANSMISSION LINE
BOSTON, MASSACHUSETTS

SCALE: UNLESS NOTED	DATE	DRAWN	CH'K'D.	APPR.	DRAWING NO.	REV.
H: 1"=20' V: 1"=5'	7/12/18	LAS	TSG		11 OF 35	K





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PRELIMINARY DESIGN
NOT FOR CONSTRUCTION

0 10 20 40 60 FEET
HORIZONTAL SCALE 1"= 20'

0 5 10 15 FEET
VERTICAL SCALE 1"= 5'

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ELECTRICAL
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REGISTERED PROFESSIONAL ENGINEER

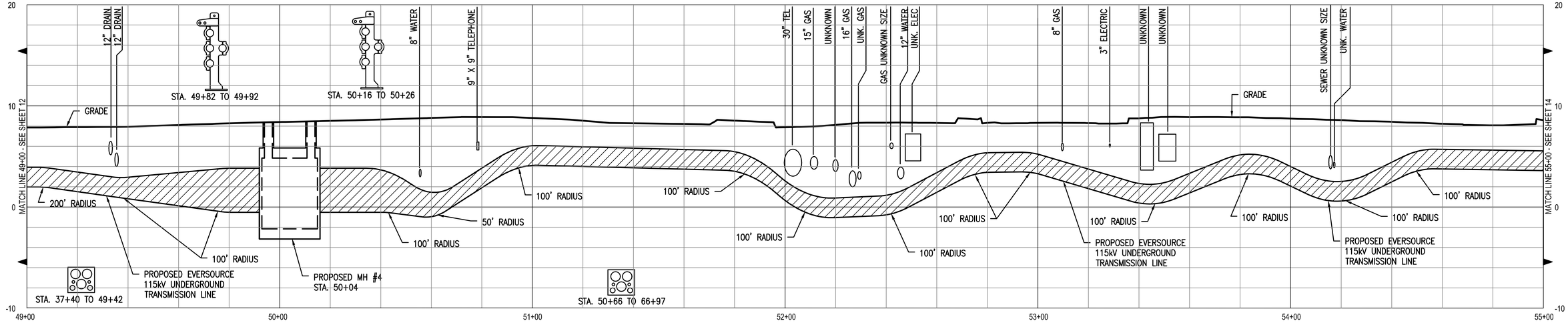
NO.	DESCRIPTION	BY	DATE	APPR.
K	CITY OF BOSTON – NOTICE OF INTENT PACKAGE	LAS	4/27/21	TSG
J	ISSUED FOR REVIEW – 100% DESIGN	LAS	3/19/21	TSG
H	ISSUED FOR REVIEW – CULVERT CROSSING UPDATE	LAS	3/3/21	TSG
G	ISSUED FOR REVIEW – PATTEN'S COVE CULVERT CROSSING	LAS	12/30/20	TSG
F	MBTA & MASSDOT I-93 CROSSING	LAS	3/5/20	TSG

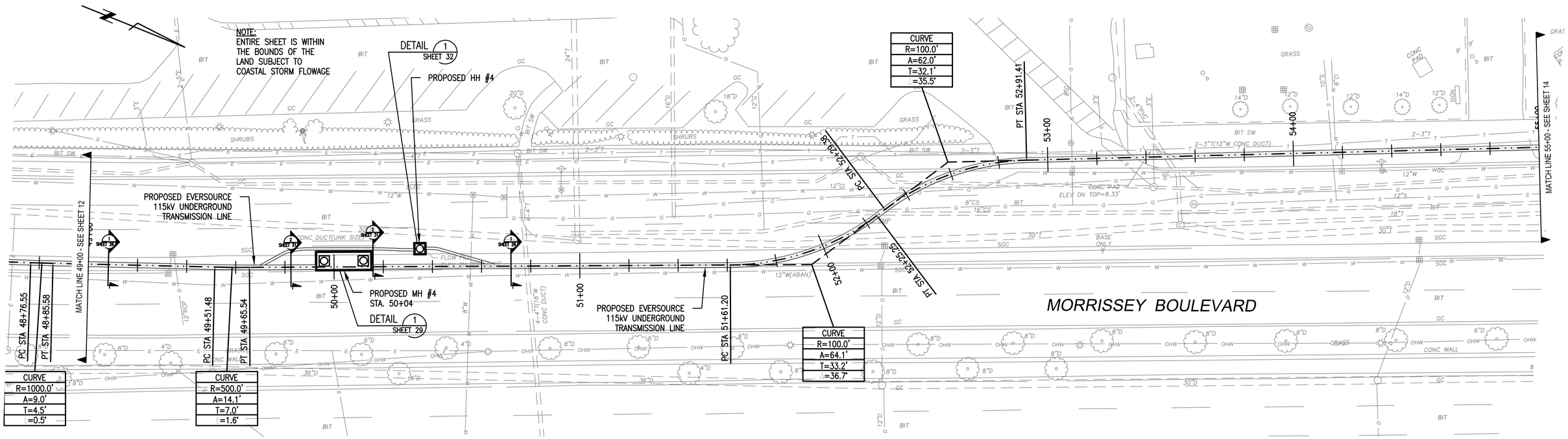
REVISION

EVERSOURCE ENERGY

PLAN AND PROFILE STA 45+00 TO 49+00
ANDREW SQUARE TO DEWAR STREET RELIABILITY PROJECT
115kV UNDERGROUND TRANSMISSION LINE
BOSTON, MASSACHUSETTS

SCALE: UNLESS NOTED	DATE	DRAWN	CH'K D.	APPR.	DRAWING NO.	REV.
H: 1"=20' V: 1"=5'	7/12/18	LAS	TSG		12 OF 35	K





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PRELIMINARY DESIGN
NOT FOR CONSTRUCTION

0 10 20 40 60 FEET
HORIZONTAL SCALE 1"= 20'

0 5 10 15 FEET
VERTICAL SCALE 1"= 5'

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NO.	DESCRIPTION	BY	DATE	APPR.
K	CITY OF BOSTON – NOTICE OF INTENT PACKAGE	LAS	4/27/21	TSG
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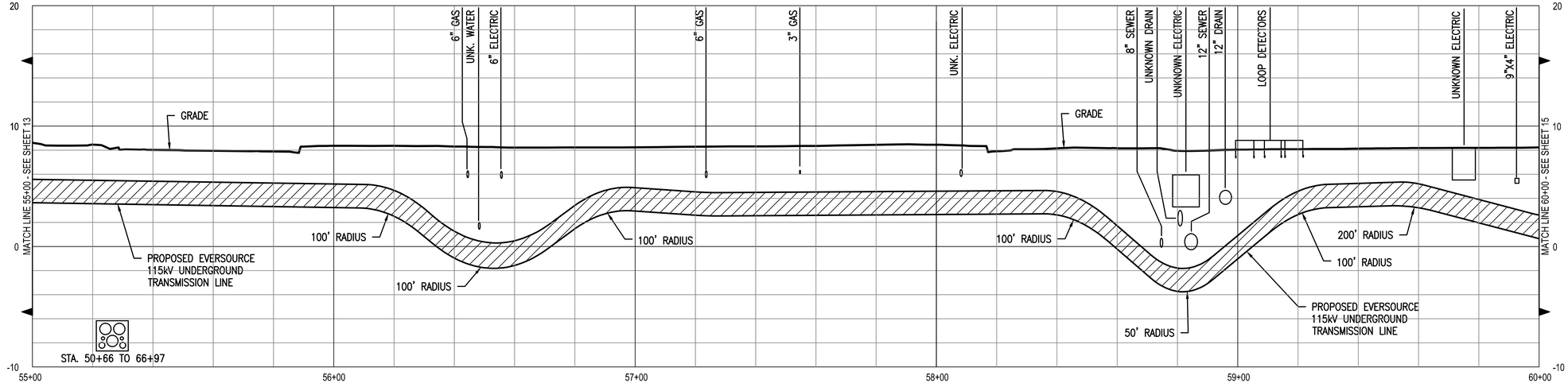
H	ISSUED FOR REVIEW – CULVERT CROSSING UPDATE	LAS	3/3/21	TSG
G	ISSUED FOR REVIEW – PATTEN'S COVE CULVERT CROSSING	LAS	12/30/20	TSG
F	MBTA & MASSDOT I-93 CROSSING	LAS	3/5/20	TSG

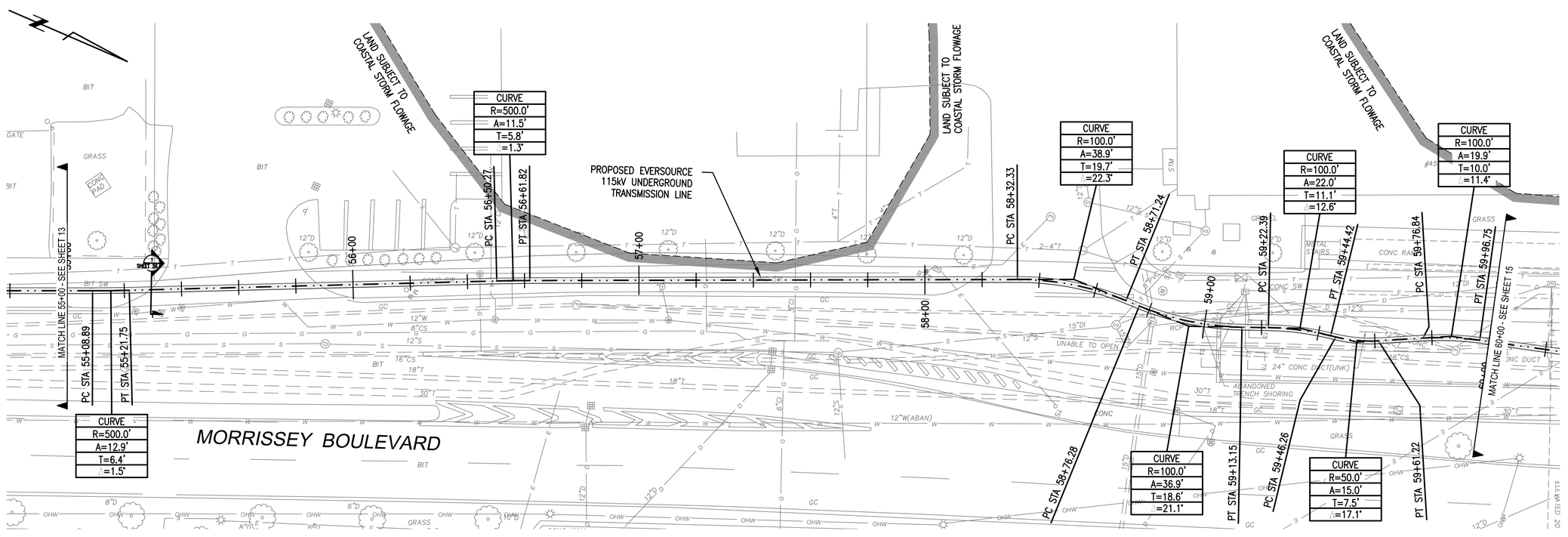
REVISION

EVERSOURCE ENERGY

PLAN AND PROFILE STA 49+00 TO 55+00
ANDREW SQUARE TO DEWAR STREET RELIABILITY PROJECT
115kV UNDERGROUND TRANSMISSION LINE
BOSTON, MASSACHUSETTS

SCALE: UNLESS NOTED	DATE	DRAWN	CH'K D.	APPR.	DRAWING NO.	REV.
H: 1"=20' V: 1"=5'	7/12/18	LAS		TSG	13 OF 35	K





NOTES:

1. THE UTILITIES SHOWN HEREON ARE BASED ON FIELD SURVEYS, AERIAL PHOTOGRAPHY AND RECORD DOCUMENTS. OTHER FACILITIES MAY EXIST NOT DISCOVERED THROUGH THE RECORD CHECK. THE CONTRACTOR SHALL VERIFY THE EXACT LOCATION, BOTH HORIZONTAL AND VERTICAL, OF ALL UTILITIES THROUGH THE APPROPRIATE UTILITY COMPANIES. CALL BEFORE YOU DIG ~ 1-888-344-7233.

2. VERTICAL DATUM IS BASED ON NAVD 1988, HORIZONTAL DATUM IS BASED ON MASSACHUSETTS PLANE COORDINATE GRID VALUES IN US FEET, NAD 1983 (2011). BOSTON CONVERSION FOR ELEVATION IS -6.46 FEET. FEMA FLOOD ELEVATION IS ZONE AE.

PRELIMINARY DESIGN
NOT FOR CONSTRUCTION

0 10 20 40 60 FEET
HORIZONTAL SCALE 1"= 20'

0 5 10 15 FEET
VERTICAL SCALE 1"= 5'

NO.	DESCRIPTION	BY	DATE	APPR.
K	CITY OF BOSTON – NOTICE OF INTENT PACKAGE	LAS	4/27/21	TSG
J	ISSUED FOR REVIEW – 100% DESIGN	LAS	3/19/21	TSG
H	ISSUED FOR REVIEW – CULVERT CROSSING UPDATE	LAS	3/3/21	TSG
G	ISSUED FOR REVIEW – PATTEN'S COVE CULVERT CROSSING	LAS	12/30/20	TSG
F	MBTA & MASSDOT I-93 CROSSING	LAS	3/5/20	TSG

REVISION

THREE BUSINESS DAYS BEFORE YOU DIG CALL
MASSACHUSETTS 811
TOLL FREE
811 or 1-888-344-7233

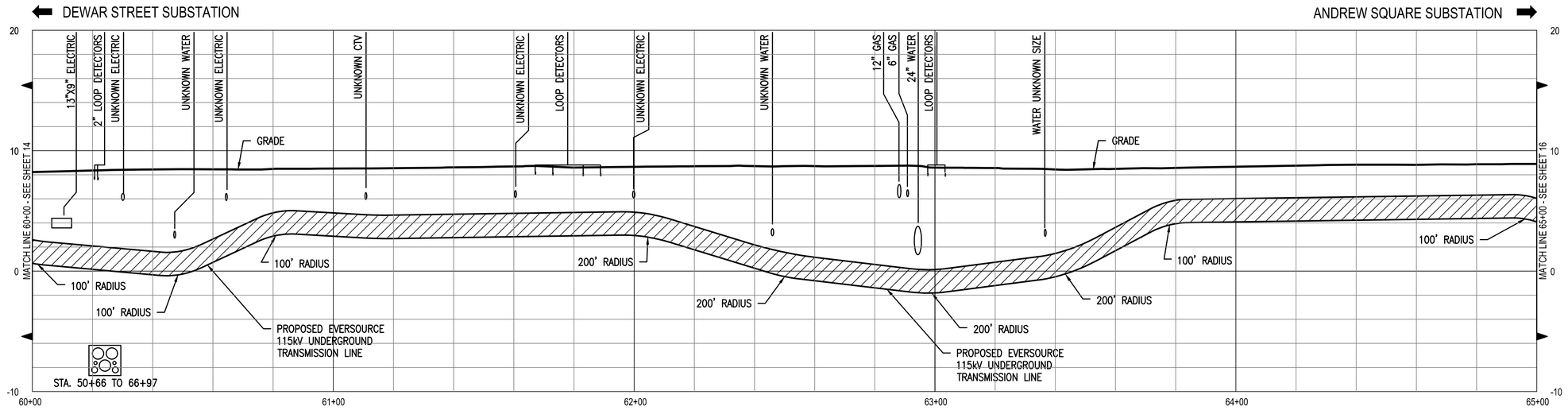
POWER ENGINEERS
www.powereng.com

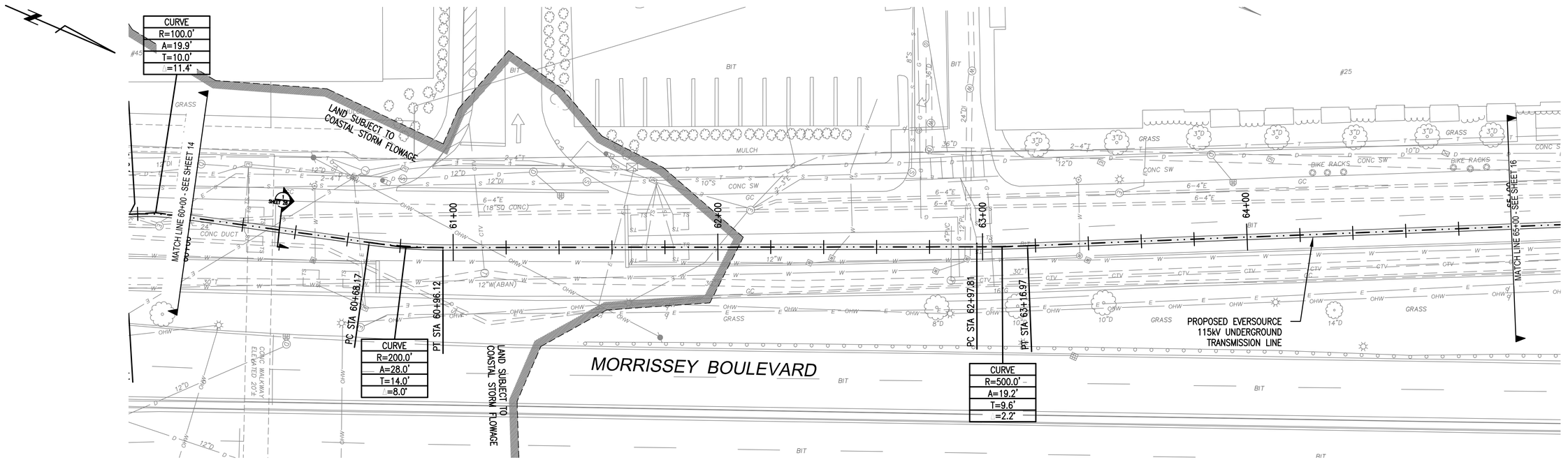
COMMONWEALTH OF MASSACHUSETTS
TODD S. GOYETTE
ELECTRICAL
No. 45181
REGISTERED PROFESSIONAL ENGINEER

EVERSOURCE ENERGY

PLAN AND PROFILE STA 55+00 TO 60+00
ANDREW SQUARE TO DEWAR STREET RELIABILITY PROJECT
115kV UNDERGROUND TRANSMISSION LINE
BOSTON, MASSACHUSETTS

SCALE: UNLESS NOTED	DATE	DRAWN	CH'K'D.	APPR.	DRAWING NO.	REV.
H: 1"=20' V: 1"=5'	7/12/18	LAS	TSG		14 OF 35	K





NOTES:

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PRELIMINARY DESIGN
NOT FOR CONSTRUCTION

0 10 20 40 60 FEET
HORIZONTAL SCALE 1"= 20'

0 5 10 15 FEET
VERTICAL SCALE 1"= 5'

THREE BUSINESS DAYS BEFORE YOU DIG CALL
MASSACHUSETTS 811
TOLL FREE
811 or 1-888-344-7233

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COMMONWEALTH OF MASSACHUSETTS
TODD S. GOYETTE
ELECTRICAL
No. 45181
REGISTERED
PROFESSIONAL ENGINEER

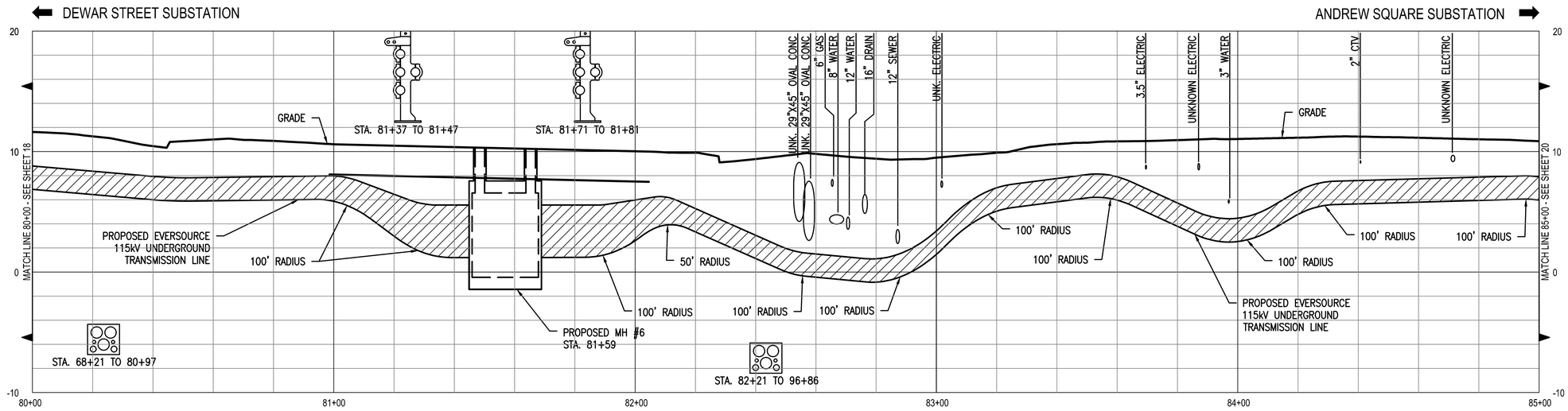
NO.	DESCRIPTION	BY	DATE	APPR.
K	CITY OF BOSTON – NOTICE OF INTENT PACKAGE	LAS	4/27/21	TSG
J	ISSUED FOR REVIEW – 100% DESIGN	LAS	3/19/21	TSG
H	ISSUED FOR REVIEW – CULVERT CROSSING UPDATE	LAS	3/3/21	TSG
G	ISSUED FOR REVIEW – PATTEN'S COVE CULVERT CROSSING	LAS	12/30/20	TSG
F	MBTA & MASSDOT I-93 CROSSING	LAS	3/5/20	TSG

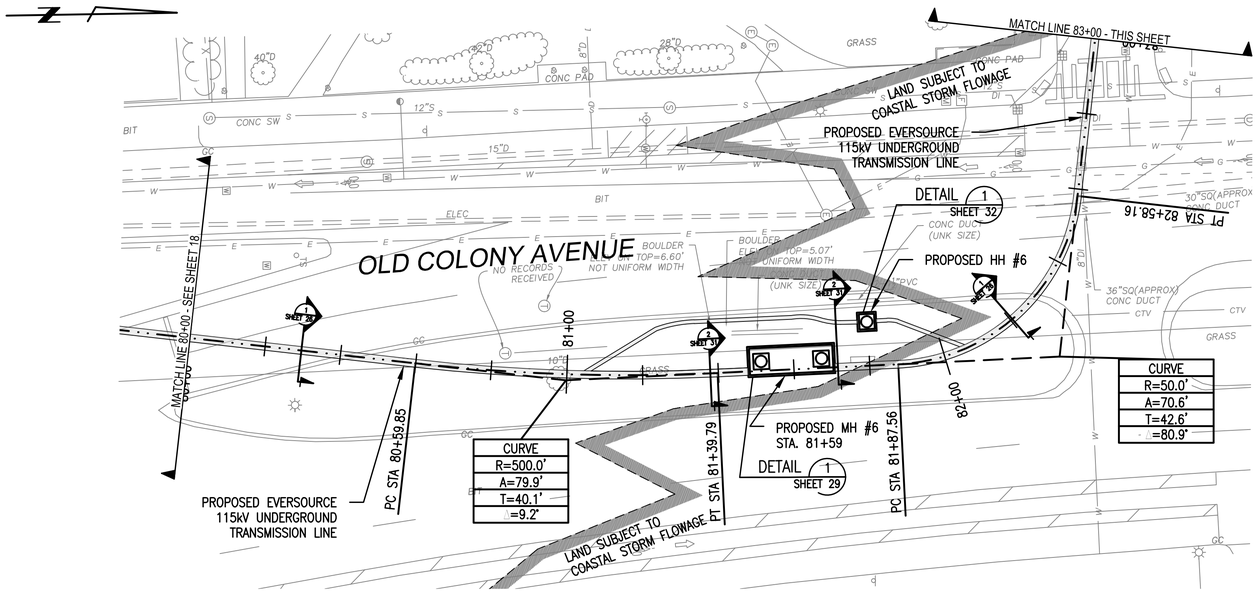
REVISION

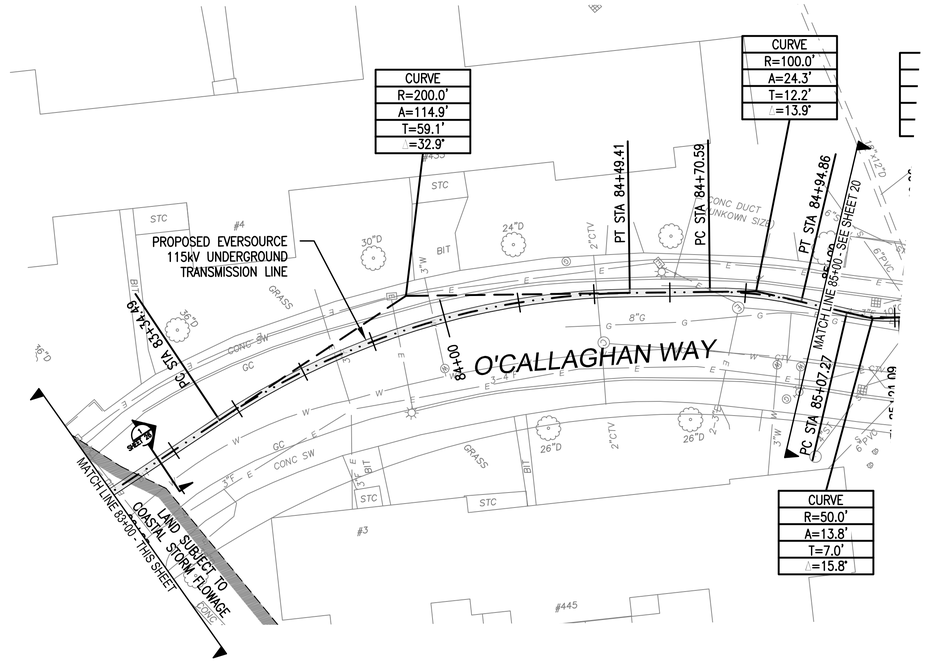
EVERSOURCE ENERGY

PLAN AND PROFILE STA 60+00 TO 65+00
ANDREW SQUARE TO DEWAR STREET RELIABILITY PROJECT
115kV UNDERGROUND TRANSMISSION LINE
BOSTON, MASSACHUSETTS

SCALE: UNLESS NOTED	DATE	DRAWN	CH'K'D.	APPR.	DRAWING NO.	REV.
H: 1"=20' V: 1"=5'	7/12/18	LAS		TSG	15 OF 35	K







NOTES:

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PRELIMINARY DESIGN
NOT FOR CONSTRUCTION

0 10 20 40 60 FEET
HORIZONTAL SCALE 1"= 20'

0 5 10 15 FEET
VERTICAL SCALE 1"= 5'

THREE BUSINESS DAYS BEFORE YOU DIG CALL
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811 or 1-888-344-7233

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COMMONWEALTH OF MASSACHUSETTS
TODD S. GOYETTE
ELECTRICAL
No. 45181
REGISTERED
PROFESSIONAL ENGINEER

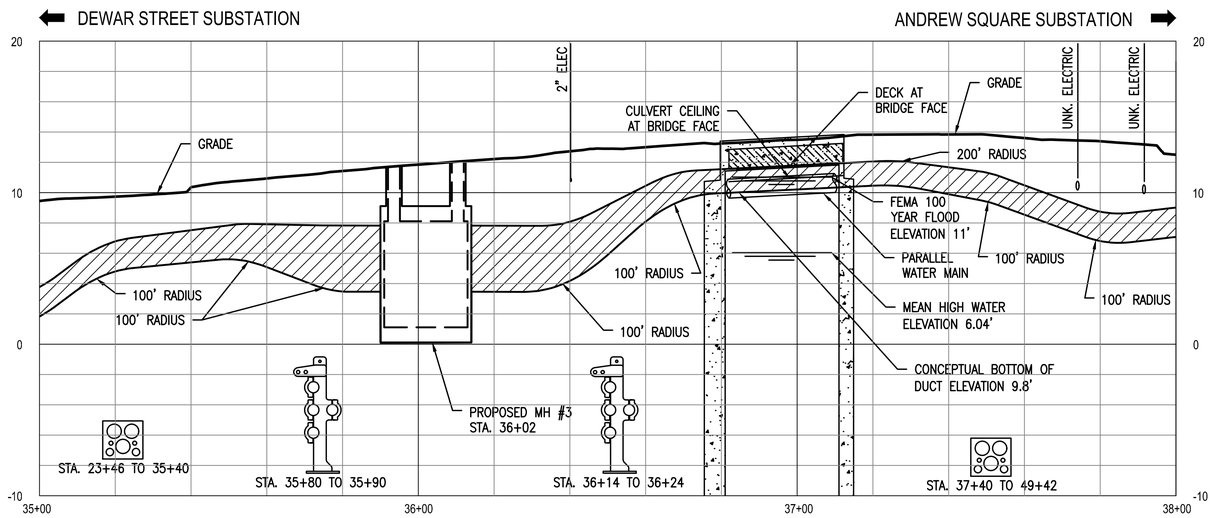
NO.	DESCRIPTION	BY	DATE	APPR.
K	CITY OF BOSTON – NOTICE OF INTENT PACKAGE	LAS	4/27/21	TSG
J	ISSUED FOR REVIEW – 100% DESIGN	LAS	3/19/21	TSG
H	ISSUED FOR REVIEW – CULVERT CROSSING UPDATE	LAS	3/3/21	TSG
G	ISSUED FOR REVIEW – PATTEN'S COVE CULVERT CROSSING	LAS	12/30/20	TSG
F	MBTA & MASSDOT I-93 CROSSING	LAS	3/5/20	TSG

REVISION

EVERSOURCE ENERGY

PLAN AND PROFILE STA 80+00 TO 85+00
ANDREW SQUARE TO DEWAR STREET RELIABILITY PROJECT
115kV UNDERGROUND TRANSMISSION LINE
BOSTON, MASSACHUSETTS

SCALE: UNLESS NOTED	DATE	DRAWN	CH'K D.	APPR.	DRAWING NO.	REV.
H: 1"=20' V: 1"=5'	7/12/18	LAS	TSG		19 OF 35	K

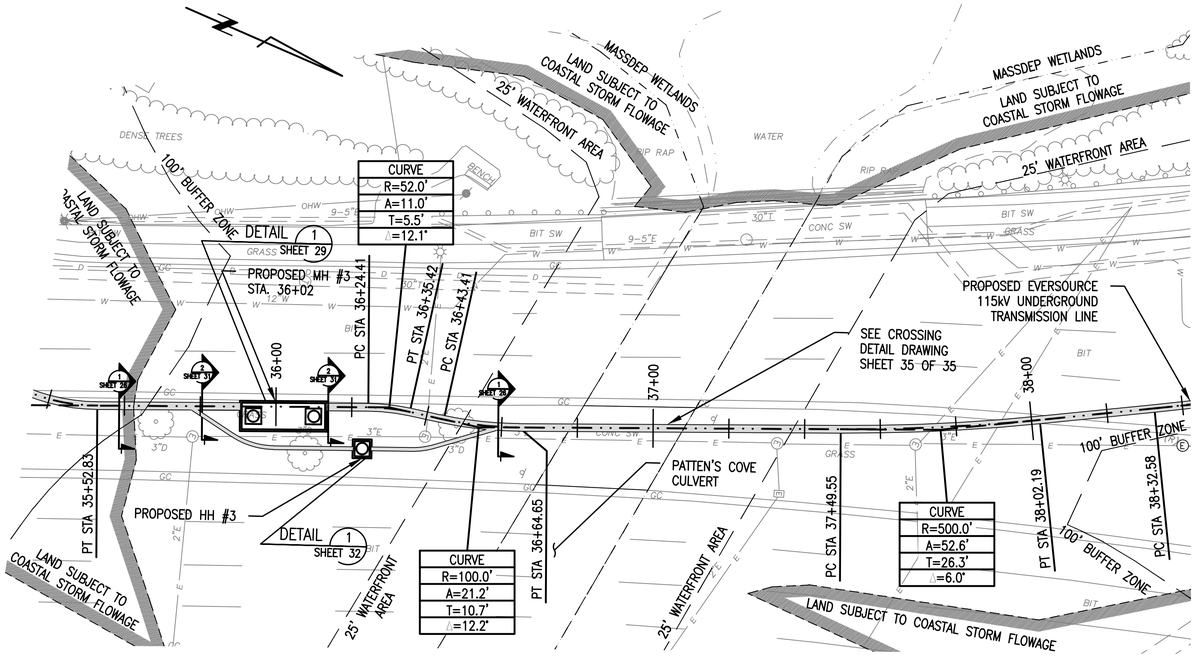


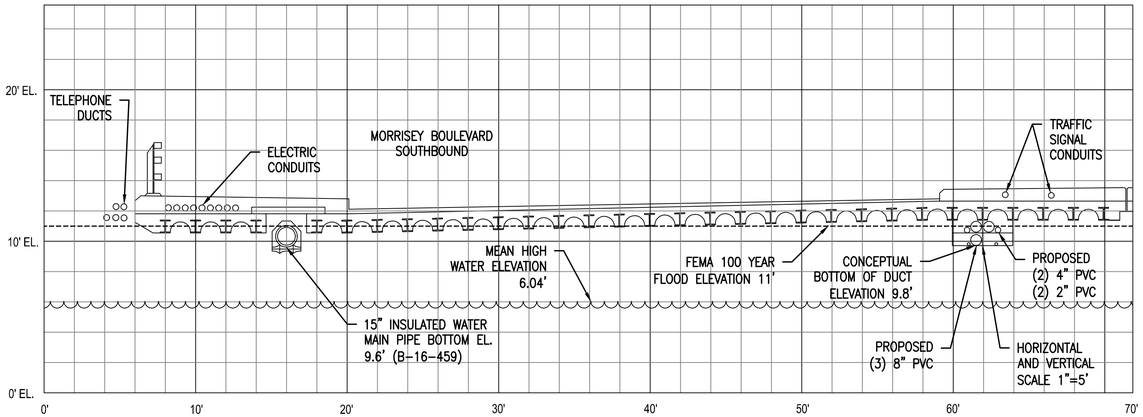
CULVERT SURVEY NOTES:

1. BASED UPON AN ON-THE-GROUND SURVEY PERFORMED BY BSC GROUP, INC. IN FEBRUARY 2021.

2. HORIZONTAL DATUM IS BASED UPON NAD '83 AS DERIVED VIA GPS OBSERVATIONS PERFORMED BY BSC GROUP, INC. IN FEBRUARY 2021.

3. VERTICAL DATUM IS BASED UPON NAVD '88 (12b) AS DERIVED VIA GPS OBSERVATIONS PERFORMED BY BSC GROUP, INC. IN FEBRUARY 2021.





TYPICAL DECK SECTION
HORIZONTAL SCALE 1"=5'
VERTICAL SCALE 1"=5'

THREE BUSINESS DAYS BEFORE YOU DIG CALL
MASSACHUSETTS 811
TOLL FREE
811 or 1-888-344-7233

NOTES:

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POWER ENGINEERS
www.powereng.com

PRELIMINARY DESIGN
NOT FOR CONSTRUCTION

TODD S. GOYETTE ELECTRICAL No. 45181 REGISTERED PROFESSIONAL ENGINEER
COMMONWEALTH OF MASSACHUSETTS

0 10 20 40 60 FEET
HORIZONTAL SCALE 1"= 20'

0 5 10 15 FEET
VERTICAL SCALE 1"= 5'

NO.	DESCRIPTION	BY	DATE	APPR.
	REVISION			
K	CITY OF BOSTON - NOTICE OF INTENT	LAS	4/27/21	TSG
J	ISSUED FOR REVIEW - 100% DESIGN	LAS	3/12/21	TSG
H	ISSUED FOR REVIEW - CULVERT CROSSING UPDATE	LAS	3/5/21	TSG
G	ISSUED FOR REVIEW - PATTEN'S COVE CULVERT CROSSING	LAS	12/30/20	TSG
F	MBTA & MASSDOT I-93 CROSSING	LAS	3/5/20	TSG

EVERSOURCE ENERGY

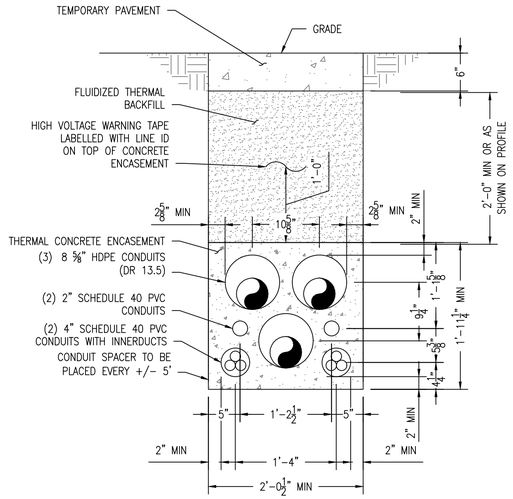
PATTEN'S COVE CULVERT CROSSING

ANDREW SQUARE TO DEWAR STREET RELIABILITY PROJECT

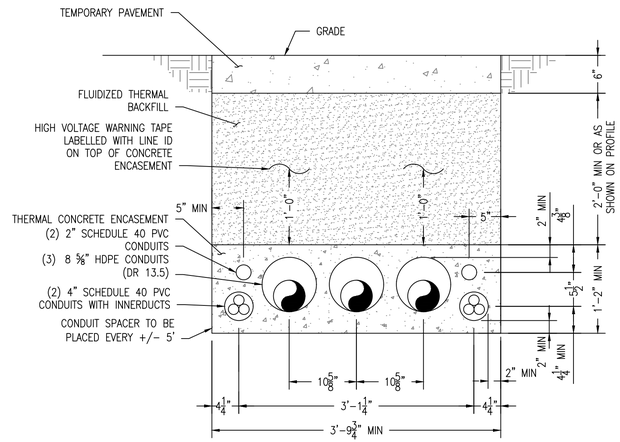
115kV UNDERGROUND TRANSMISSION LINE

BOSTON, MASSACHUSETTS

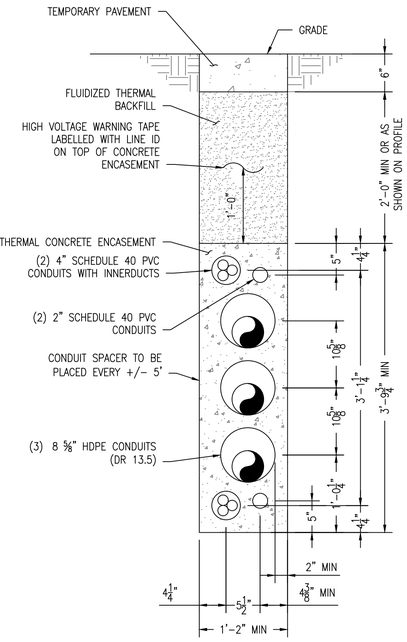
SCALE: UNLESS NOTED	DATE	DRAWN	CH'K D.	APPR.	DRAWING NO.	REV.
H: 1"=20' V: 1"=5'	7/12/18	LAS	TSG		35 OF 35	K



TYP TRENCH CONFIGURATION
DETAIL 1
SCALE N.T.S. SHEET 26



TYP FLAT TRENCH CONFIGURATION
DETAIL 2
SCALE N.T.S. SHEET 26



TYP VERTICAL TRENCH CONFIGURATION
DETAIL 3
SCALE N.T.S. SHEET 26

NOTES:

1. STAGGER BELL ENDS.
2. MATCH EXISTING SURROUNDING GRASS, GRAVEL, OR LANDSCAPING THICKNESS (4" MIN.)
3. ANCHOR SPACERS WITH #14 STEEL TIE WIRE AND #4 REINFORCING BARS.
4. CEMENT ALL JOINTS IN ACCORDANCE WITH CONDUIT MANUFACTURER'S SPECIFICATIONS.
5. AVOID STANDING ON CONDUIT.
6. BELL ENDS SHALL BE ORIENTED SUCH THAT THE CABLE PULL DIRECTION WILL ENTER BELL END OF ALL CONDUITS FIRST.
7. ALL DUCT SPACERS ARE UNDERGROUND DEVICES "WUNPEECE" SPACERS, OR APPROVED EQUIVALENT.
8. THESE DETAILS ARE FOR DEMONSTRATION PURPOSES ONLY. THE CONTRACTOR SHALL COMPLETE STREET RESTORATION IN COMPLIANCE WITH THE APPROPRIATE SPECIFICATION AS REFERENCED IN THE STREET OPENING PERMIT OR CADOT STANDARD DRAWINGS AND SPECIFICATIONS.
9. THE 6" CUT BACK OF PAVEMENT SHALL BE MADE AT TIME OF REPAIRING AND NOT WHEN TRENCH IS EXCAVATED.
10. BELL ENDS SHALL BE INSTALLED ALL IN THE SAME DIRECTION BETWEEN MANHOLES.
11. DUCT BANK ASSEMBLY SHALL BE SECURED TO PREVENT FLOATING DURING CONCRETE PLACEMENT.
12. DUCT BANK CONTRACTOR TO PREPARE BOTTOM OF TRENCH IN ACCORDANCE WITH PROJECT SPECIFICATIONS. COMPACTION SHALL BE TO AT LEAST 90 PERCENT OF THE MAXIMUM DRY DENSITY AT OPTIMUM MOISTURE CONTENT AS DETERMINED BY ASTM D1557 OR TO MEET LOCAL CODES.

POWER ENGINEERS
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PRELIMINARY DESIGN
NOT FOR CONSTRUCTION

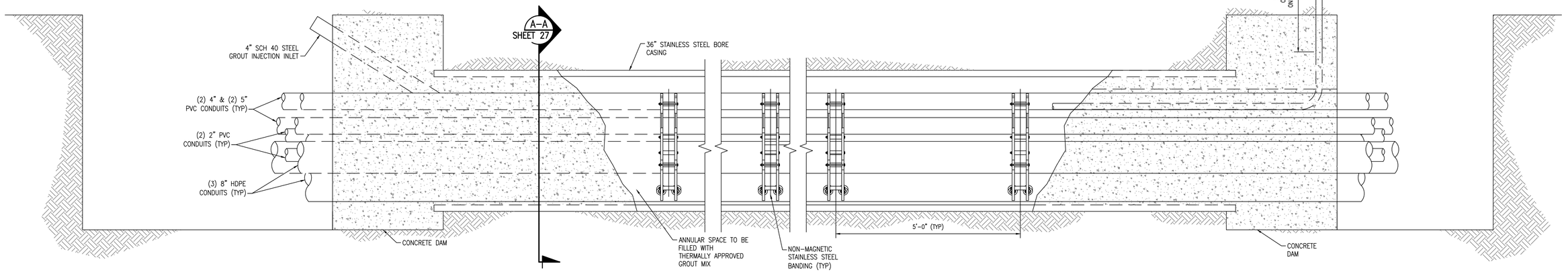
COMMONWEALTH OF MASSACHUSETTS
TODD S. GOYETTE
ELECTRICAL
No. 45181
REGISTERED
PROFESSIONAL ENGINEER

NO.	DESCRIPTION	BY	DATE	APPR.
	REVISION			
K	CITY OF BOSTON – NOTICE OF INTENT PACKAGE	LAS	4/27/21	TSG
J	ISSUED FOR REVIEW – 100% DESIGN	LAS	3/19/21	TSG
H	ISSUED FOR REVIEW – CULVERT CROSSING UPDATE	LAS	3/3/21	TSG
G	ISSUED FOR REVIEW – PATTEN'S COVE CULVERT CROSSING	LAS	12/30/20	TSG
F	MBTA & MASSDOT I-93 CROSSING	LAS	3/5/20	TSG

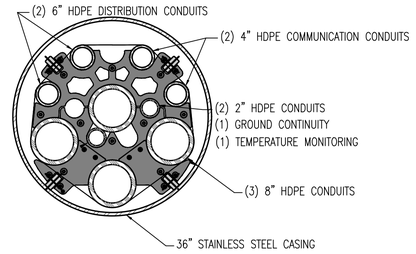
EVERSOURCE ENERGY

DUCT BANK AND TRENCH DETAILS
ANDREW SQUARE TO DEWAR STREET RELIABILITY PROJECT
115kV UNDERGROUND TRANSMISSION LINE
BOSTON, MASSACHUSETTS

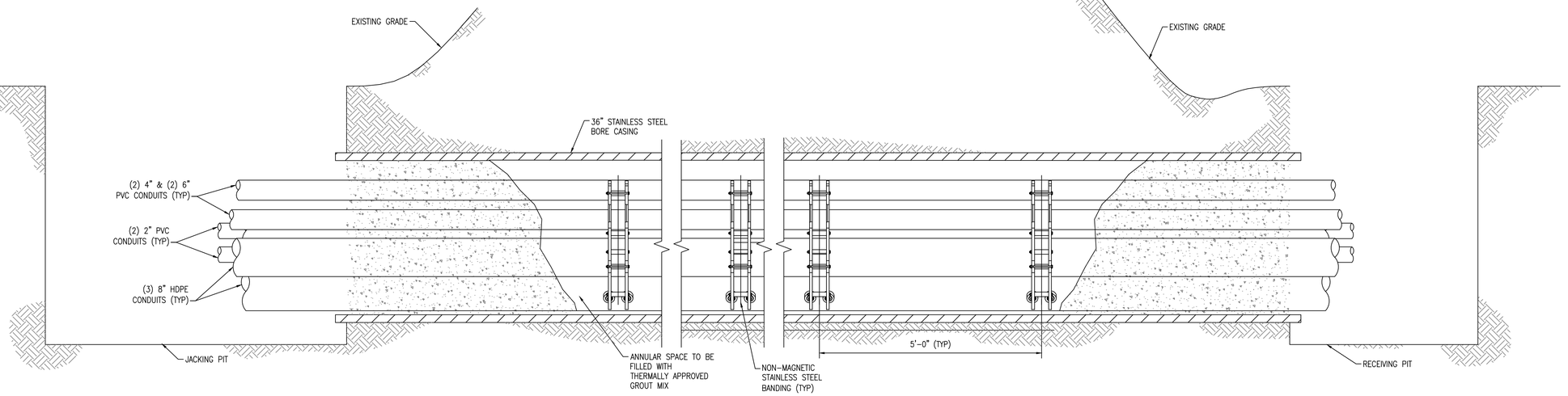
SCALE:	DATE	DRAWN	CH'K D.	APPR.	DRAWING NO.	REV.
N.T.S.	7/12/18	REO	TSG		26 OF 35	K



TYP PIPE JACKING DETAIL
DETAIL 1
SCALE: N.T.S. SHEET 27



TYPICAL CASING SECTION
SECTION A–A
SCALE: N.T.S. SHEET 27



TYP PIPE JACKING DETAIL
DETAIL 2
SCALE: N.T.S. SHEET 27

NOTE:
DETAILED DESIGN OF CROSSING TO BE PROVIDED

NO.	DESCRIPTION	BY	DATE	APPR.
K	CITY OF BOSTON – NOTICE OF INTENT PACKAGE	LAS	4/27/21	TSG
J	ISSUED FOR REVIEW – 100% DESIGN	LAS	3/19/21	TSG
H	ISSUED FOR REVIEW – CULVERT CROSSING UPDATE	LAS	3/3/21	TSG
G	ISSUED FOR REVIEW – PATTEN'S COVE CULVERT CROSSING	LAS	12/30/20	TSG
F	MBTA & MASSDOT I–93 CROSSING	LAS	3/5/20	TSG

REVISION

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PRELIMINARY DESIGN
NOT FOR CONSTRUCTION

COMMONWEALTH OF MASSACHUSETTS
TODD S. GOYETTE
ELECTRICAL
No. 45181
REGISTERED PROFESSIONAL ENGINEER

EVERSOURCE ENERGY

DUCT BANK AND TRENCH DETAILS
ANDREW SQUARE TO DEWAR STREET RELIABILITY PROJECT
115kV UNDERGROUND TRANSMISSION LINE
BOSTON, MASSACHUSETTS

SCALE:	DATE	DRAWN	CH'KD.	APPR.	DRAWING NO.	REV.
N.T.S.	7/12/18	REO	TSG		27 OF 35	K

Tighe&Bond

APPENDIX D

BABEL NOTICE

English:

IMPORTANT! This document or application contains **important information** about your rights, responsibilities and/or benefits. It is crucial that you understand the information in this document and/or application, and we will provide the information in your preferred language at no cost to you. If you need them, please contact us at cc@boston.gov or 617-635-3850.

Spanish:

¡IMPORTANTE! Este documento o solicitud contiene **información importante** sobre sus derechos, responsabilidades y/o beneficios. Es fundamental que usted entienda la información contenida en este documento y/o solicitud, y le proporcionaremos la información en su idioma preferido sin costo alguno para usted. Si los necesita, póngase en contacto con nosotros en el correo electrónico cc@boston.gov o llamando al 617-635-3850.

Haitian Creole:

AVI ENPÒTAN! Dokiman oubyen aplikasyon sa genyen **enfòmasyon ki enpòtan** konsènan dwa, responsablite, ak/oswa benefis ou yo. Li enpòtan ke ou konprann enfòmasyon ki nan dokiman ak/oubyen aplikasyon sa, e n ap bay enfòmasyon an nan lang ou prefere a, san ou pa peye anyen. Si w bezwen yo, tanpri kontakte nou nan cc@boston.gov oswa 617-635-3850.

Traditional Chinese:

非常重要！這份文件或是申請表格包含關於您的權利，責任，和／或福利的重要信息。請您務必完全理解這份文件或申請表格的全部信息，這對我們來說十分重要。我們會免費給您提供翻譯服務。如果您有需要請聯系我們的郵箱 cc@boston.gov 電話# 617-635-3850..

Vietnamese:

QUAN TRỌNG! Tài liệu hoặc đơn yêu cầu này chứa **thông tin quan trọng** về các quyền, trách nhiệm và/hoặc lợi ích của bạn. Việc bạn hiểu rõ thông tin trong tài liệu và/hoặc đơn yêu cầu này rất quan trọng, và chúng tôi sẽ cung cấp thông tin bằng ngôn ngữ bạn muốn mà không tính phí. Nếu quý vị cần những dịch vụ này, vui lòng liên lạc với chúng tôi theo địa chỉ cc@boston.gov hoặc số điện thoại 617-635-3850.

Simplified Chinese:

非常重要！这份文件或是申请表格包含关于您的权利，责任，和／或福利的重要信息。请您务必完全理解这份文件或申请表格的全部信息，这对我们来说十分重要。我们会免费给您提供翻译服务。如果您有需要请联系我们的邮箱 cc@boston.gov 电话# 617-635-3850.

CITY of BOSTON

Cape Verdean Creole:

INPURTANTI! Es dukumentu ó aplikason ten **informason inpurtanti** sobri bu direitus, rasponsabilidadis i/ó benefísius. Ê krusial ki bu intendi informason na es dukumentu i/ó aplikason ó nu ta da informason na língua di bu preferênsia sen ninhun kustu pa bó. Si bu prisiza del, kontata-nu na cc@boston.gov ó 617-635-3850.

Arabic:

مهم! يحتوي هذا المستند أو التطبيق على معلومات مهمة حول حقوقك ومسؤولياتك أو فوائدك. من الأهمية أن تفهم المعلومات الواردة في هذا المستند أو التطبيق. سوف نقدم المعلومات بلغتك المفضلة دون أي تكلفة عليك. إذا كنت في حاجة إليها، يرجى الاتصال بنا على cc@boston.gov أو 617-635-3850.

Russian:

ВАЖНО! В этом документе или заявлении содержится **важная информация** о ваших правах, обязанностях и/или льготах. Для нас очень важно, чтобы вы понимали приведенную в этом документе и/или заявлении информацию, и мы готовы бесплатно предоставить вам информацию на предпочитаемом вами языке. Если Вам они нужны, просьба связаться с нами по адресу электронной почты cc@boston.gov, либо по телефону 617-635-3850.

Portuguese:

IMPORTANTE! Este documento ou aplicativo contém **Informações importantes** sobre os seus direitos, responsabilidades e/ou benefícios. É importante que você compreenda as informações contidas neste documento e/ou aplicativo, e nós iremos fornecer as informações em seu idioma de preferência sem nenhum custo para você. Se precisar deles, fale conosco: cc@boston.gov ou 617-635-3850.

French:

IMPORTANT ! Ce document ou cette demande contient des **informations importantes** concernant vos droits, responsabilités et/ou avantages. Il est essentiel que vous compreniez les informations contenues dans ce document et/ou cette demande, que nous pouvons vous communiquer gratuitement dans la langue de votre choix. Si vous en avez besoin, veuillez nous contacter à cc@boston.gov ou au 617-635-3850.

NOTIFICATION TO ABUTTERS
BOSTON CONSERVATION COMMISSION

In accordance with the Massachusetts Wetlands Protection Act, Massachusetts General Laws Chapter 131, Section 40, and the Boston Wetlands Ordinance, you are hereby notified as an abutter to a project filed with the Boston Conservation Commission.

A. **NSTAR Electric Company d/b/a Eversource Energy** has filed a Notice of Intent with the Boston Conservation Commission seeking permission to alter an Area Subject to Protection under the Wetlands Protection Act (General Laws Chapter 131, section 40) and Boston Wetlands Ordinance.

B. The address of the lot where the activity is proposed is **within the public roadway right-of-way located on O'Callaghan Way, Columbia Road, William T. Morrissey Boulevard, Old Colony Terrace, Playstead Road, and Springdale Street in Boston, Massachusetts.**

C. The project involves **installing an underground electric transmission line.**

D. Copies of the Notice of Intent may be obtained by contacting the Boston Conservation Commission at **CC@boston.gov**.

E. Copies of the Notice of Intent may be obtained from **Tracy Adamski, Tighe & Bond** between the hours of **8:00am – 5:00pm, Monday through Friday.**

F. In accordance with the Commonwealth of Massachusetts Executive Order Suspending Certain Provisions of the Open Meeting Law, the public hearing will take place **virtually** at https://zoom.us/j/6864582044. If you are unable to access the internet, you can call 1-929-205-6099, enter Meeting ID 686 458 2044 # and use # as your participant ID.

G. Information regarding the date and time of the public hearing may be obtained from the **Boston Conservation Commission** by emailing **CC@boston.gov** or calling **(617) 635-3850** between the hours of **9 AM to 5 PM, Monday through Friday.**

NOTE: Notice of the public hearing, including its date, time, and place, will be published at least five (5) days in advance in the **Boston Herald.**
NOTE: Notice of the public hearing, including its date, tine, and place, will be posted on www.boston.gov/public-notices and in Boston City Hall not less than forty-eight (48) hours in advance.

NOTE: If you would like to provide comments, you may attend the public hearing or send written comments to CC@boston.gov or Boston City Hall, Environment Department, Room 709, 1 City Hall Square, Boston, MA 02201

NOTE: You also may contact the Boston Conservation Commission or the Department of Environmental Protection Northeast Regional Office for more information about this application or the Wetlands Protection Act. To contact DEP, call: the Northeast Region: (978) 694-3200.

NOTIFICACIÓN PARA PROPIETARIOS Y/O VECINOS COLINDANTES
COMISIÓN DE CONSERVACIÓN DE BOSTON

De conformidad con la Ley de protección de los humedales de Massachusetts, el Capítulo 131, Sección 40 de las Leyes Generales de Massachusetts y la Ordenanza sobre los humedales de Boston, por la presente queda usted notificado como propietario o vecino colindante de un proyecto presentado ante la Comisión de Conservación de Boston.

A. **NSTAR Electric Company, bajo el nombre comercial Eversource Energy,** ha presentado una solicitud a la Comisión de Conservación de Boston pidiendo permiso para modificar una zona sujeta a protección en virtud de la Ley de protección de los humedales (Leyes generales, capítulo 131, sección 40) y la Ordenanza sobre los humedales de Boston.

B. La dirección del lote donde se propone la actividad se encuentra en **la servidumbre de paso pública de la calzada delimitada por O'Callaghan Way, Columbia Road, William T. Morrissey Boulevard, Old Colony Terrace, Playstead Road y Springdale Street en Boston, Massachusetts.**

C. El proyecto consiste en **la instalación de una línea de transmisión eléctrica subtrránea.**

D. Se pueden obtener copias del Aviso de Intención comunicándose con la Comisión de Conservación de Boston en CC@boston.gov.

E. Las copias de la notificación de intención pueden solicitarse a **Tracy Adamski, de Tighe & Bond, llamando al (413) 572-3256 de lunes a viernes** entre las **8 a. m. y las 5 p. m.**

F. De acuerdo con el Decreto Ejecutivo de le Mancomunidad de Massachusetts que suspende ciertas disposiciones de la Ley de reuniones abiertas, la audiencia pública se llevará a cabo virtualmente en https://zoom.us/j/6864582044. Si no puede acceder a Internet, puede llamar al 1-929-205- 6099, ingresar ID de reunión 686 458 2044 # y usar # como su ID de participante.

G. La información relativa a la fecha y hora de la audiencia pública puede solicitarse a la **Comisión de Conservación de Boston** por correo electrónico a **CC@boston.gov** o llamando al **(617) 635-4416** entre las **9 a. m. y las 5 p. m., de lunes a viernes.**

NOTA: La notificación de la audiencia pública, incluida su fecha, hora y lugar, se publicará en el **Boston Herald** con al menos cinco (5) días de antelación.

NOTA: La notificación de la audiencia pública, incluida su fecha, hora y lugar, se publicará en www.boston.gov/public-notices y en el Ayuntamiento de Boston con no menos de cuarenta y ocho (48) horas de antelación.
NOTA: Si desea formular comentarios, puede asistir a la audiencia pública o enviarlos por escrito a CC@boston.gov o al Ayuntamiento de Boston, Departamento de Medio Ambiente, Sala 709, 1 City Hall Square, Boston, MA 02201.

NOTA: También puede comunicarse con la Comisión de Conservación de Boston o con la Oficina Regional del Noreste del Departamento de Protección Ambiental para obtener más información sobre esta solicitud o la Ley de Protección de Humedales. Para comunicarse con el DEP, llame a la Región Noreste: (978) 694-3200.

Certification of Translation

COUNTY OF SUFFOLK
COMMONWEALTH OF MASSACHUSETTS

May 6, 2021

This is to certify that the **yellow-highlighted text within the translation** is, to the best of my knowledge and belief, a true and accurate translation from English into Spanish of the attached document:

Spanish Abutter Notification Form 2020.pdf

Linguistic Systems, Inc. adheres to an ISO-certified quality management system that ensures best practices are always followed in the selection of linguists skilled in both the languages and subject matters necessary for every translation.

Jessica Riley
Project Manager
Linguistic Systems

NOTIFICACIÓN PARA PROPIETARIOS Y/O VECINOS COLINDANTES
COMISIÓN DE CONSERVACIÓN DE BOSTON

De conformidad con la Ley de protección de los humedales de Massachusetts, el Capítulo 131, Sección 40 de las Leyes Generales de Massachusetts y la Ordenanza sobre los humedales de Boston, por la presente queda usted notificado como propietario o vecino colindante de un proyecto presentado ante la Comisión de Conservación de Boston.

A. **NSTAR Electric Company, bajo el nombre comercial Eversource Energy,** ha presentado una solicitud a la Comisión de Conservación de Boston pidiendo permiso para modificar una zona sujeta a protección en virtud de la Ley de protección de los humedales (Leyes generales, capítulo 131, sección 40) y la Ordenanza sobre los humedales de Boston.

B. La dirección del lote donde se propone la actividad se encuentra en **la servidumbre de paso pública de la calzada delimitada por O'Callaghan Way, Columbia Road, William T. Morrissey Boulevard, Old Colony Terrace, Playstead Road y Springdale Street en Boston, Massachusetts.**

C. El proyecto consiste en **la instalación de una línea de transmisión eléctrica subterránea.**

D. Se pueden obtener copias del Aviso de Intención comunicándose con la Comisión de Conservación de Boston en CC@boston.gov.

E. Las copias de la notificación de intención pueden solicitarse a **Tracy Adamski, de Tighe & Bond, llamando al (413) 572-3256 de lunes a viernes** entre las **8 a. m. y las 5 p. m.**

F. De acuerdo con el Decreto Ejecutivo de le Mancomunidad de Massachusetts que suspende ciertas disposiciones de la Ley de reuniones abiertas, la audiencia pública se llevará a cabo virtualmente en https://zoom.us/j/6864582044. Si no puede acceder a Internet, puede llamar al 1-929-205- 6099, ingresar ID de reunión 686 458 2044 # y usar # como su ID de participante.

G. La información relativa a la fecha y hora de la audiencia pública puede solicitarse a la **Comisión de Conservación de Boston** por correo electrónico a **CC@boston.gov** o llamando al **(617) 635-4416** entre las **9 a. m. y las 5 p. m., de lunes a viernes.**

NOTA: La notificación de la audiencia pública, incluida su fecha, hora y lugar, se publicará en el **Boston Herald** con al menos cinco (5) días de antelación.

NOTA: La notificación de la audiencia pública, incluida su fecha, hora y lugar, se publicará en www.boston.gov/public-notices y en el Ayuntamiento de Boston con no menos de cuarenta y ocho (48) horas de antelación.

NOTA: Si desea formular comentarios, puede asistir a la audiencia pública o enviarlos por escrito a CC@boston.gov o al Ayuntamiento de Boston, Departamento de Medio Ambiente, Sala 709, 1 City Hall Square, Boston, MA 02201.

NOTA: También puede comunicarse con la Comisión de Conservación de Boston o con la Oficina Regional del Noreste del Departamento de Protección Ambiental para obtener más información sobre esta solicitud o la Ley de Protección de Humedales. Para comunicarse con el DEP, llame a la Región Noreste: (978) 694-3200.

NOTIFICACIÓN PARA PROPIETARIOS Y/O VECINOS COLINDANTES
COMISIÓN DE CONSERVACIÓN DE BOSTON

De conformidad con la Ley de protección de los humedales de Massachusetts, el Capítulo 131, Sección 40 de las Leyes Generales de Massachusetts y la Ordenanza sobre los humedales de Boston, por la presente queda usted notificado como propietario o vecino colindante de un proyecto presentado ante la Comisión de Conservación de Boston.

A. **NAME OF APPLICANT** ha presentado una solicitud a la Comisión de Conservación de Boston pidiendo permiso para modificar una zona sujeta a protección en virtud de la Ley de protección de los humedales (Leyes generales, capítulo 131, sección 40) y la Ordenanza sobre los humedales de Boston.

B. La dirección del lote donde se propone la actividad es **ADDRESS OF PROJECT LOCATION**.

C. El proyecto consiste en **PROJECT DESCRIPTION**.

D. Se pueden obtener copias del Aviso de Intención comunicándose con la Comisión de Conservación de Boston en CC@boston.gov.

E. Las copias de la notificación de intención pueden obtenerse en **APPLICANT OR REPRESENTATIVE & CONTACT INFORMATION** entre las **HOURS**, **DAYS**.

F. De acuerdo con el Decreto Ejecutivo de le Mancomunidad de Massachusetts que suspende ciertas disposiciones de la Ley de reuniones abiertas, la audiencia pública se llevará a cabo virtualmente en https://zoom.us/j/6864582044. Si no puede acceder a Internet, puede llamar al 1-929-205-6099, ingresar ID de reunión 686 458 2044 # y usar # como su ID de participante.

G. La información relativa a la fecha y hora de la audiencia pública puede solicitarse a la **Comisión de Conservación de Boston** por correo electrónico a **CC@boston.gov** o llamando al **(617) 635-4416** entre las **9 AM y las 5 PM, de lunes a viernes.**

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NOTA: La notificación de la audiencia pública, incluida su fecha, hora y lugar, se publicará en www.boston.gov/public-notices y en el Ayuntamiento de Boston con no menos de cuarenta y ocho (48) horas de antelación. Si desea formular comentarios, puede asistir a la audiencia pública o enviarlos por escrito a CC@boston.gov o al Ayuntamiento de Boston, Departamento de Medio Ambiente, Sala 709, 1 City Hall Square, Boston, MA 02201.

NOTA: También puede comunicarse con la Comisión de Conservación de Boston o con la Oficina Regional del Noreste del Departamento de Protección Ambiental para obtener más información sobre esta solicitud o la Ley de Protección de Humedales. Para comunicarse con el DEP, llame a la Región Noreste: (978) 694-3200.

NOTA: si tiene previsto asistir a la audiencia pública y necesita servicios de interpretación, sírvase informar al personal en CC@boston.gov antes de las 12 PM del día anterior a la audiencia.

AFFIDAVIT OF SERVICE
FOR ABUTTER NOTIFICATION

Under the Massachusetts Wetlands Protection Act
and Boston Wetlands Ordinance

I, Tracy J. Adamski, hereby certify under pains and penalties of perjury that that at least one week prior to the public hearing, I gave notice 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 was filed under the Massachusetts Wetlands Protection Act and/or the Boston Wetlands Ordinance by Tighe & Bond on behalf of NSTAR Electric Company d/b/a Eversource Energy for the Andrew Square to Dewar Street Rehabilitation Project located at multiple streets within South Boston and Dorchester, primarily down Morrissey Boulevard.

The Abutter Notification For, the list of abutters to whom it was given, and their addresses are attached to this Affidavit of Service.

Name

5/4/2021
Date

300 ft Abutters within Jurisdictional Areas
Andrew Square to Dewar Street Reliability Project NOI

PARCEL	WPD	PID	GIS_ID	ST_NUM	ST_NAME	ST_NAME_SU	UNIT_NUM	ZIPCODE	OWNER	MAIL_ADDRE	MAIL_ADD_1	MAIL_CS	MAIL_ZIPCO
2236	13-10-075	1302236000	1302236000	23	PLAYSTEAD	RD		02125	PAVIDIS MARTHA J		23 PLAYSTEAD RD	DORCHESTER MA	02125
2258	13-10-060	1302258000	1302258000	23 21	DENNY	ST		02125	HILL JEFFERY S	C/O JEFFERY S HILL	23 DENNY ST	DORCHESTER MA	02125
3400	13-03-030	1303400000	1303400000	200	WM T MORRISSEY	BL		02125	COMMONWEALTH OF MASS		200 WM T MORRISSEY BLVD	DORCHESTER MA	02125
2263	13-10-060	1302263000	1302263000	20	PLAYSTEAD	RD		02125	BARBUTO PETER F ETAL		20 PLAYSTEAD RD	DORCHESTER MA	02125
2268	13-10-075	1302268000	1302268000	24	DENNY	ST		02125	BAYSIDE CONDO TR		24 DENNY ST	DORCHESTER MA	02125
2238	13-10-075	1302238000	1302238000		SPRINGDALE	ST		02125	CITY OF BOSTON		SPRINGDALE	DORCHESTER MA	02125
2237	13-10-075	1302237000	1302237000		SPRINGDALE	ST		02125	CITY OF BOSTON BY FCL		SPRINGDALE ST	DORCHESTER MA	02125
2261	13-10-060	1302261000	1302261000	28 30	PLAYSTEAD	RD		02125	GARSIDE CHRISTOPHER J		28 PLAYSTEAD RD	DORCHESTER MA	02125
2257	13-10-060	1302257000	1302257000	19 17	DENNY	ST		02125	MARTINI VALBONA	C/O VALBONA MARTINI	19 DENNY ST	DORCHESTER MA	02125
2229	13-10-075	1302229000	1302229000	141	SAVIN HILL	AV		02125	SAVIN HILL CONDOMINIUM TR		141 SAVIN HILL AV	DORCHESTER MA	02125
2262	13-10-060	1302262000	1302262000	24 26	PLAYSTEAD	RD		02125	STASA GJERGJI		26 PLAYSTEAD RD	DORCHESTER MA	02125
2368	13-03-085	1302368000	1302368000	291	SAVIN HILL	AV		02125	LAFFERTY JOSEPH R	C/O CHRISTINA LAFFERTY	291 SAVIN HILL AV	DORCHESTER MA	02125
2367	13-03-085	1302367000	1302367000	289	SAVIN HILL	AV		02125	BLAKE BRIAN	C/O BRIAN BLAKE	289 SAVIN HILL AV	DORCHESTER MA	02125
2363-2	13-10-080	1302363002	1302363002	285	WM T MORRISSEY	BL		02125	BROTCHIE WILLIAM K	C/O WILLIAM BROTCHIE	285 MORRISSEY BL	DORCHESTER MA	02125
3450	13-03-030	1303450000	1303450000		MT VERNON	ST		02125	COMMWLTH OF MASS		MOUNT VERNON	DORCHESTER MA	02125
2345	13-10-080	1302345000	1302345000	7	EVANDALE	TE		02125	WAROT CELINA	C/O CELINA WAROT	7 EVANDALE TE	DORCHESTER MA	02125
2341	13-10-080	1302341000	1302341000	8	EVANDALE	TE		02125	KNASAS ALFRED B ETAL		8 EVANDALE TERRACE	DORCHESTER MA	02125
3404	13-03-030	1303404000	1303404000	40	WM T MORRISSEY	BL		02125	S-BNK DORCHESTER OPERATIONS	C/O BEACON CAPITAL PARTNERS	200 STATE ST 5TH FLOOR	BOSTON MA	02109
2333-1	13-10-080	1302333001	1302333001		SAVIN HILL	LA		02125	REARDON ALICE M	C/O DONNA R HUDSON	2570 N W 112TH AV	CORAL SPRINGS FL	33065
3405	13-03-030	1303405000	1303405000	2	WM T MORRISSEY	BL		02125	S-BNK DORCHESTER OPERATIONS	C/O BEACON CAPITAL PARTNERS	200 STATE ST 5TH FLOOR	BOSTON MA	02109
2365	13-03-085	1302365000	1302365000	10	OLD COLONY	TE		02125	LYDON MARK		10 OLD COLONY TE	DORCHESTER MA	02125
2260	13-10-060	1302260000	1302260000	44	SPRINGDALE	ST		02125	SMEGLIN ANDREA J	C/O ANDREA J SMEGLIN	44 SPRINGDALE ST	DORCHESTER MA	02125
2363-1	13-10-080	1302363001	1302363001		OLD COLONY	TE		02125	WALPOLE ROBERT HENRY	C/O ROBERT HENRY WALPOLE	277 SAVIN HILL AVE	DORCHESTER MA	02125
2357	13-10-080	1302357000	1302357000		WEDMORE	ST		02125	BRETT JAMES T	C/O JAMES T BRETT	7 WEDMORE ST	DORCHESTER MA	02125
2364-19	13-03-085	1302364019	1302364019	35 -45	WM T MORRISSEY	BL		02124	MORRISSEY HOLDINGS LLC	C/O SYNERGY INVESTMENTS	100 FRANKLIN ST 2ND FLOO	BOSTON MA	02110
2364-17	13-03-085	1302364017	1302364017		WM T MORRISSEY	BL		02124	COMMONWEALTH OF MASS MDC		WM T MORRISSEY BL	DORCHESTER MA	02124
2364-21	13-03-085	1302364021	1302364021	55	WM T MORRISSEY	BL		02124	MORRISSEY HOLDINGS LLC	C/O SYNERGY INVESTMENTS	100 FRANKLIN ST 2ND FLOOR	BOSTON MA	02110
2372	13-03-085	1302372000	1302372000	299	SAVIN HILL	AV		02125	TWO 99 SAVIN HILL AV CONDO	C/O MARY JANE HILLERY	2309 SHOREWOOD HILLS AV	HENDERSON NV	89052
2364-14	13-03-085	1302364014	1302364014		WM T MORRISSEY	BL		02124	MORRISSEY HOLDINGS LLC	C/O SYNERGY INVESTMENTS	100 FRANKLIN ST 2ND FLOOR	BOSTON MA	02110
2354	13-10-080	1302354000	1302354000		WEDMORE	ST		02125	BRETT JAMES T	C/O JAMES T BRETT	7 WEDMORE ST	DORCHESTER MA	02125
2370	13-03-085	1302370000	1302370000	293	SAVIN HILL	AV		02125	RUBY DANIEL	C/O DANIEL RUBY	293 SAVIN HILL AVE	DORCHESTER MA	02125
2360	13-10-080	1302360000	1302360000	273 275	SAVIN HILL	AV		02125	CROKE ROGER L		273 SAVIN HILL AVE	DORCHESTER MA	02125
2363	13-10-080	1302363000	1302363000	277 279	SAVIN HILL	AV		02125	WALPOLE ROBERT HENRY	C/O ROBERT HENRY WALPOLE	277 SAVIN HILL AVE	DORCHESTER MA	02125
2853	07-07-020	702853000	702853000	10 22	KEMP	ST		02127	BOSTON HOUSING AUTHORITY		10 KEMP	SOUTH BOSTON MA	02127
2845	07-07-110	702845000	702845000	27 3	MCDONOUGH	WY		02127	BOSTON HOUSING AUTHORITY		27 MCDONOUGH WAY	SOUTH BOSTON MA	02127
2220	13-10-075	1302220000	1302220000		SAVIN HILL	AV		02125	COMMWLTH OF MASS		SAVIN HILL AVE	DORCHESTER MA	02125
2264	13-10-060	1302264000	1302264000	18 16	PLAYSTEAD	RD		02125	FINNIGAN KATHERINE A TS	C/O JULIE A SIMMONS	27 BOUTWELL ST	DORCHESTER MA	02122
2267	13-10-075	1302267000	1302267000	28	DENNY	ST		02125	FLANIGAN DARCIE	C/O DARCIE FLANIGAN	28 DENNY ST	DORCHESTER MA	02125
2847	07-07-040	702847000	702847000	391 439	OLD COLONY	AV		02127	BOSTON HOUSING AUTHORITY		391 OLD COLONY AVE	SOUTH BOSTON MA	02127
2333-2	13-10-080	1302333002	1302333002	5	SAVIN HILL	LA		02125	REARDON ALICE M	C/O DONNA R HUDSON	2570 N W 112TH AV	CORAL SPRINGS FL	33065
3403	13-03-030	1303403000	1303403000	50	WM T MORRISSEY	BL		02125	S-BNK DORCHESTER OPERATIONS	C/O BEACON CAPITAL PARTNERS	200 STATE ST 5TH FLOOR	BOSTON MA	02109
2256	13-10-060	1302256000	1302256000	15 13	DENNY	ST		02125	PELLEGRINO FRANCIS R	C/O FRANCIS R PELLEGINO	15 DENNY ST	DORCHESTER MA	02125
2364-45	13-03-085	1302364045	1302364045	75 77	WM T MORRISSEY	BL		02127	HERB CHAMBERS MORRISSEY BLVD	C/O POB CC 75 MORRISSEY LLC	8 STONY BROOK PL	ARMONK NY	10504
2364-2	13-03-030	1302364002	1302364002		MT VERNON	ST		02125	COMMWLTH OF MASS		MOUNT VERNON	DORCHESTER MA	02125
2364-60	13-10-080	1302364060	1302364060		WM T MORRISSEY	BL		02127	COMMONWEALTH OF MASS		WM T MORRISSEY BLVD	DORCHESTER MA	02125
3401	13-03-030	1303401000	1303401000	160 150	WM T MORRISSEY	BL		02125	BOSTON COLLEGE HIGH		160 WM T MORRISSEY BLVD	DORCHESTER MA	02125
541	07-03-060	700541000	700541000		COLUMBIA	CI		02127	CITY OF BOSTON	C/O PARKS & RECREATION	1010 MASSACHUSETTS AV 3RD FL	BOSTON MA	02118
2364-55	13-03-085	1302364055	1302364055		WM T MORRISSEY	BL		02127	COMMWLTH OF MASS		WM T MORRISSEY BLVD	DORCHESTER MA	02125
2364-50	13-03-085	1302364050	1302364050	135	WM T MORRISSEY	BL		02127	BOSTON GLOBE PROPERTIES LLC	C/O KAREN BRAY	135 MORRISSEY BLVD	BOSTON MA	02125
541-1	07-03-060	700541001	700541001		COLUMBIA	CI		02127	COMMWLTH OF MASS		COLUMBIA CIR	SOUTH BOSTON MA	02127
2259	13-10-060	1302259000	1302259000	25	DENNY	ST		02125	OSULLIVAN ROBERT F JR		25 DENNY ST	DORCHESTER MA	02125

300 ft Abutters within Jurisdictional Areas – Condominium Owners
Andrew Square to Dewar Street Reliability Project NOI

FULL_ADDRESS	STREET_NUMBER	UNIT	FULL_STREET_NAME	STREET_ID	STREET_PREFIX	STREET_BODY	STREET_SUFFIX_ABBR	STREET_FULL_SUFFIX	STREET_NUMBER_SORT	MAILING_NEIGHBORHOOD	ZIP_CODE	PARCEL
141 Savin Hill Ave #A-11	141	A-11	Savin Hill Ave	3763		Savin Hill	Ave	Avenue	141	Dorchester	2125	1302229000
141 Savin Hill Ave #A-12	141	A-12	Savin Hill Ave	3763		Savin Hill	Ave	Avenue	141	Dorchester	2125	1302229000
141 Savin Hill Ave #B-11	141	B-11	Savin Hill Ave	3763		Savin Hill	Ave	Avenue	141	Dorchester	2125	1302229000
141 Savin Hill Ave #B-12	141	B-12	Savin Hill Ave	3763		Savin Hill	Ave	Avenue	141	Dorchester	2125	1302229000
141 Savin Hill Ave #C-11	141	C-11	Savin Hill Ave	3763		Savin Hill	Ave	Avenue	141	Dorchester	2125	1302229000
141 Savin Hill Ave #C-12	141	C-12	Savin Hill Ave	3763		Savin Hill	Ave	Avenue	141	Dorchester	2125	1302229000
141 Savin Hill Ave #C-13	141	C-13	Savin Hill Ave	3763		Savin Hill	Ave	Avenue	141	Dorchester	2125	1302229000
141 Savin Hill Ave #A-21	141	A-21	Savin Hill Ave	3763		Savin Hill	Ave	Avenue	141	Dorchester	2125	1302229000
141 Savin Hill Ave #A-22	141	A-22	Savin Hill Ave	3763		Savin Hill	Ave	Avenue	141	Dorchester	2125	1302229000
141 Savin Hill Ave #B-21	141	B-21	Savin Hill Ave	3763		Savin Hill	Ave	Avenue	141	Dorchester	2125	1302229000
141 Savin Hill Ave #B-22	141	B-22	Savin Hill Ave	3763		Savin Hill	Ave	Avenue	141	Dorchester	2125	1302229000
141 Savin Hill Ave #B-23	141	B-23	Savin Hill Ave	3763		Savin Hill	Ave	Avenue	141	Dorchester	2125	1302229000
141 Savin Hill Ave #C-21	141	C-21	Savin Hill Ave	3763		Savin Hill	Ave	Avenue	141	Dorchester	2125	1302229000
141 Savin Hill Ave #C-22	141	C-22	Savin Hill Ave	3763		Savin Hill	Ave	Avenue	141	Dorchester	2125	1302229000
141 Savin Hill Ave #C-23	141	C-23	Savin Hill Ave	3763		Savin Hill	Ave	Avenue	141	Dorchester	2125	1302229000
141 Savin Hill Ave #A-31	141	A-31	Savin Hill Ave	3763		Savin Hill	Ave	Avenue	141	Dorchester	2125	1302229000
141 Savin Hill Ave #A-32	141	A-32	Savin Hill Ave	3763		Savin Hill	Ave	Avenue	141	Dorchester	2125	1302229000
141 Savin Hill Ave #B-31	141	B-31	Savin Hill Ave	3763		Savin Hill	Ave	Avenue	141	Dorchester	2125	1302229000
141 Savin Hill Ave #B-32	141	B-32	Savin Hill Ave	3763		Savin Hill	Ave	Avenue	141	Dorchester	2125	1302229000
141 Savin Hill Ave #B-33	141	B-33	Savin Hill Ave	3763		Savin Hill	Ave	Avenue	141	Dorchester	2125	1302229000
141 Savin Hill Ave #C-31	141	C-31	Savin Hill Ave	3763		Savin Hill	Ave	Avenue	141	Dorchester	2125	1302229000
141 Savin Hill Ave #C-32	141	C-32	Savin Hill Ave	3763		Savin Hill	Ave	Avenue	141	Dorchester	2125	1302229000
141 Savin Hill Ave #C-33	141	C-33	Savin Hill Ave	3763		Savin Hill	Ave	Avenue	141	Dorchester	2125	1302229000

Tighe&Bond

APPENDIX E

EVERSOURCE

247 Station Drive
Westwood, MA 02090

January 22, 2021

Commissioner Ryan Woods
Boston Parks and Recreation Department
1010 Massachusetts Avenue, 3rd Floor
Boston, MA 02118

Re: Easement and Article 97 Mitigation Commitment Letter for Transmission Line Construction on Springdale Street, Boston, MA

Dear Commissioner Woods,

This letter serves as an agreement between the Boston Parks and Recreation Department ("BPRD") and Eversource Energy ("Eversource") regarding Eversource's request to purchase an easement on the BPRD owned portion of Springdale Street and the need to satisfy the "no net loss" provision of Article 97 of the Articles of Amendment to the Constitution of the Commonwealth of Massachusetts ("Article 97"), as it relates to the upcoming transmission line construction between its Andrew Square and Dewar Street Substations ("Project").

Eversource agrees to the following:

- to include in the Project budget the amount of $112,400.00, as fixed and non-negotiable, to serve as mitigation to satisfy the "no net loss" provision of the Commonwealth of Massachusetts Executive Office of Environmental Affairs, Article 97 Land Disposition Policy.

BPRD agrees to the following:

- BPRD will sell a permanent easement on Springdale Street to Eversource for $32,700. The location of the Springdale Street easement is pictured on the Easement Plan [Exhibit A, attached].
- BPRD will draw down on that fixed mitigation amount to offset the costs associated with its proposed McConnell Park improvements.
- BPRD will work collaboratively with Eversource to assist and expedite the construction of the Project

Please acknowledge that you accept this agreement by signing in the space provided at the bottom of this letter. To finalize this agreement, please return a scan of the signed original version to me at shawn.southworth@eversource.com. Please contact me with any questions.

Sincerely,

Shawn Southworth
Manager, Right of Way

_____, on Apr. 27 2021
Commissioner, Ryan Woods
Boston Parks and Recreation Department

UNITED STATES BANKRUPTCY COURT
DISTRICT OF MASSACHUSETTS
EASTERN DIVISION

In re:	)	
	)	**Chapter 7**
MARTHA J. PAVIDIS,	)	**Case No. 18-10923-MSH**
	)	
Debtor.	)	

ORDER APPROVING MOTION BY CHAPTER 7 TRUSTEE FOR ENTRY OF ORDER AUTHORIZING THE SALE OF EASEMENT ON REAL PROPERTY BY PRIVATE SALE, FREE AND CLEAR OF LIENS, CLAIMS, INTERESTS, AND ENCUMBRANCES
(23 Playstead Road, Dorchester, MA)

This matter has come before the Court on the *Motion by Chapter 7 Trustee for Entry of Order Authorizing the Sale of Easement on Real Property by Private Sale, Free and Clear of Liens, Claims, Interests and Encumbrances (23 Playstead Road, Dorchester, MA)* (ECF No. 50] (the "Sale Motion"), filed by Harold B. Murphy, Chapter 7 trustee (the "Trustee") of the above-captioned debtor (the "Debtor"), seeking entry of an order (the "Order") pursuant to 11 U.S.C. § 101 *et seq*. (the "Bankruptcy Code"), Fed. R. Bankr. P. 6004 and MLBR 6004-1, authorizing the Trustee to sell, convey and grant an easement (the "Easement") by private sale ("Private Sale") on the real property located at 23 Playstead Road, Dorchester, Massachusetts, to NStar Electric Company d/b/a Eversource Energy, a Massachusetts corporation and electric company, or its nominee (the "Purchaser") for the sum of $77,224.95 (the "Purchase Price"), free and clear of all liens, claims, interests and encumbrances, with such liens, claims, interests and encumbrances to attach to the net proceeds of the sale. No objections or counteroffers were filed by the established deadline of June 5, 2020 at 4:30 p.m. It appears that due and sufficient notice of the Sale Motion and the relief granted by this order has been provided. This Court is satisfied that the relief requested in the Sale Motion is in the best interests of the Debtor's bankruptcy estate (the "Estate") and its creditors. After due deliberation and good cause appearing therefor:

IT IS HEREBY FOUND AND DETERMINED THAT:

A. The trustee's affidavit (ECF No. 58) provides a sufficient evidentiary basis to find that the Purchaser is a purchaser in good faith and entitled to the protections of 11 U.S.C. § 363(m).

B. The Private Sale is in the best interests of the Estate and its creditors.

NOW, THEREFORE, IT IS HEREBY ORDERED THAT,

1. The Sale Motion is granted.

2. The Trustee is authorized to sell, grant and convey the Easement by the Private Sale to the Purchaser.

3. The Easement shall be delivered to the Purchaser in "as is" "where is" "how is" condition except as expressly set forth in the Sale Agreement.

4. The sale of the Easement shall be free and clear of all existing liens, claims, encumbrances, and interests, with such liens, claims, encumbrances and interests to attach to the net proceeds of the sale of the Easement to the same extent, validity, priority and enforceability as existed prior to the Private Sale.

5. The Trustee is hereby authorized, pursuant to the Bankruptcy Code, to:

   a. Execute any and all deeds, conveyances, assignments, agreements, easements, subordination of mortgage, instruments, amendments, schedules and other documents necessary to assume and effectuate the sale of the Property; and

   b. Pay all necessary costs and expenses arising in connection with the Private Sale, including payment of all ordinary closing costs and expense

Melvin S. Hoffman
United States Bankruptcy Judge

Dated: June 18, 2020

GRANT OF EASEMENT

Harold B. Murphy, Chapter 7 Trustee of Martha J. Pavidis a/k/a Martha J. Kitterick, (hereinafter called the "Grantor"), for Seventy-Seven Thousand Two Hundred Twenty-Four Dollars and 95/100 cents ($77,224.95) consideration paid, the receipt of which is hereby acknowledged, grants to **NSTAR ELECTRIC COMPANY d/b/a EVERSOURCE ENERGY**, a Massachusetts corporation and electric company, having its principal place of business at 247 Station Drive, Westwood, Massachusetts 02090 (hereinafter called the "Grantee"), its successors and assigns, with **quitclaim covenants**, perpetual, non-exclusive commercial easements in gross: (1) to install, construct, reconstruct, replace, repair, maintain, use, operate, inspect and patrol one or more underground lines for the transmission of high and low voltage electric current, including ground wires and lines for communication, signal and control purposes, exclusively under (except for necessary manhole access covers built to ground surface to access the lines installed within underground concrete vaults) a strip of land no more than seventeen and one half (17 ½) feet in width hereinafter described (the "Easement Area"), which lines may consist of (a) conduits, pipes or ducts and manholes, with wires, cable and ground wires installed within the same, or of wires, cables and ground wires buried in the ground, or of combinations of all or any of the same, together with (b) underground supporting structures, hardware, fittings, equipment and appurtenances and (c) ways of access as may be reasonably necessary for the convenient construction, operation, maintenance, inspection and patrolling of said lines (the "Facilities"); (2) to construct underground and at the ground surface, with respect to the manholes only, such Facilities, or any of them, at any time hereafter and at the same or different times and to renew, add to, replace, remove and otherwise change the Facilities underground and at the ground surface, with respect to the manholes only and each and every part thereof and the location thereof within said Easement Area; (3) to clear and keep clear by physical or other means said Easement Area or any part thereof of trees, underbrush, buildings or other structures; and (4) to enter upon and to pass along said Easement Area on foot and by vehicle, for all of the above purposes from time to time, and to change the ground surface elevation within the Easement Area, as reasonably required provided the same does not negatively affect any groundwater or run-off onto the Premises, as hereinafter defined.

Said Easement Area is a portion of the premises conveyed to Martha J. Pavidis a/k/a Martha J. Kitterick, surviving joint tenant ("Ms. Pavidis") by Joseph F. Gorman and Louise Gorman, husband and wife, both of Dorchester on October 20, 1994 and recorded in the Suffolk Registry of Deeds Book 19386, Page 323 (the "Premises"); and is more specifically depicted as EASEMENT C and TEMPORARY EASEMENT 3 on a plan, to be recorded herewith, titled "SPRINGDALE STREET EASEMENT PLAN, SHEET 01 OF 01, DORCHESTER, MA", dated March 11, 2020, prepared for the Grantee by BSC Group.

The Grantor, for the Grantor and the Grantor's successors in title to the premises, covenants and agrees with the Grantee, its successors and assigns, that neither the Grantor nor any of said successors in title will (i) use or alter the Easement Area or change the present grade or ground level of the surface thereof by excavation, filling or otherwise in any manner that may endanger or interfere with the operation or maintenance of the Grantee's Facilities or disturb any of said

Facilities; or (ii) do any other act which may be inconsistent with or unreasonably interfere with the rights and easements herein granted. This grant of easement is subject to easements, covenants, and restrictions of record.

Grantee and its successors and assigns, agree to hold Grantor and its successors and assigns harmless from and against any and all liability for injury or damage to persons or property resulting from the construction, repair, maintenance and use of the easement created by this conveyance, except that Grantor is responsible for its own gross negligence or willful misconduct.

Grantee, its successors and or assigns agree that they: (i) shall return the Premises to its pre-entry condition promptly upon the completion of any of the aforementioned construction, repair, maintenance and use of the Easement Area; (ii) shall at no time unreasonably interfere with the access or use of the Premises by the guests or invitees of Ms. Pavidis or the Grantor; and (iii) shall not do any other act which may be inconsistent with or unreasonably interfere with the rights of the Grantor, its successors and assigns, as fee owner of the Premises or the rights of Ms. Pavidis, her successors and assigns.

It is understood and agreed that said Facilities, whether or not attached to the realty, shall remain the property of the Grantee and that the Grantee shall pay all taxes assessed thereon.

In Witness Whereof, said Grantor has caused this instrument to be signed and delivered this 17th day of June, 2020.

Harold B. Murphy, Chapter 7
Trustee of Martha J. Pavidis

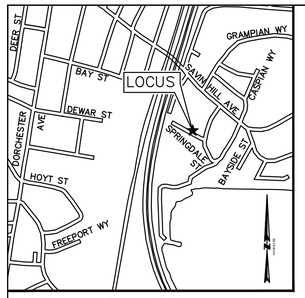
COMMONWEALTH OF MASSACHUSETTS
COUNTY OF SUFFOLK

On this 17 day of June, 2020, before me, the undersigned notary public, personally appeared Harold B. Murphy, as Chapter 7 Trustee of Martha J. Pavidis, proved to me through satisfactory evidence of identification, which was personal knowledge, to be the person whose name is signed on the preceding document, and acknowledged to me that he signed it voluntarily for its stated purpose.

Andrea N. Mazzarella
Notary Public Andrea N. Mazzarella
My Commission Expires: 10/30/2026

Andrea N. Mazzarella
Notary Public
Commonwealth of Massachusetts
My Commission Expires October 30, 2026

FOR REGISTRY USE ONLY



Locus Map
(NOT TO SCALE)

NAD83(12B)

HUBBARDSTON ROAD
(PUBLIC - VARIABLE WIDTH)
F.K.A. DONKIN TERRACE

PLAYSTEAD ROAD
(PUBLIC - 40' WIDE)
F.K.A. EVERETT ROAD

24 HUBBARDSTON ROAD
N/F
RONALD M. DENNIS, TRUSTEE OF THE GIOVANNINA C. DENNIS IRREVOCABLE TRUST
BOOK 56415, PAGE 339
PID 1302221000

31 SPRINGDALE STREET
N/F
CITY OF BOSTON
BOOK 8640, PAGE 99
PID 1302237000

141 SAVIN HILL AVENUE
N/F
SAVIN HILL CONDOMINIUM TRUST
BOOK 11313, PAGE 22
PID 1302229000

23 PLAYSTEAD ROAD
N/F
MARTHA J. PAVIDIS AND MICHAEL J. KITTERICK JR.
BOOK 19386, PAGE 323
PID 1302236000

17-19 PLAYSTEAD ROAD
N/F
THOMAS G. MAGLOCZKI
BOOK 61727, PAGE 345
PID 1302235000

28-30 PLAYSTEAD ROAD
N/F
CHRISTOPHER J. AND LINDA E. GARSIDE
BOOK 22565, PAGE 119
PID 1302261000

GENERAL CASIMIR PULASKI SKYWAY
N/F
COMMONWEALTH OF MASSACHUSETTS
D.P.W.
1956 SHLO 4405
PID 1302220000

SPRINGDALE STREET
N/F
CITY OF BOSTON
PID 1302238000
MCCONNELL PARK
A.K.A. SAVIN HILL PLAYGROUND
BOOK 2645, PAGE 30
L-4609

SPRINGDALE STREET
(PRIVATE - 35' WIDE)

SPRINGDALE STREET
(PRIVATE - 35' WIDE)
28"X42"BRICK(ABANDONED)

TEMPORARY EASEMENT 1
671 SQ.FT.±

TEMPORARY EASEMENT 2
1,997 SQ.FT.±

TEMPORARY EASEMENT 3
309 SQ.FT.±

EASEMENT A
1,121 SQ.FT.±

EASEMENT B
3,504 SQ.FT.±

EASEMENT C
2,044 SQ.FT.±

EASEMENT D
6,543 SQ.FT.±

WOOD HOUSE

R=4502.94'
L=10.35'

L=35.44'
R=4502.94'

L=38.13'
R=4502.94'

L=18.14'
R=4502.94'

L=518.47'
R=4502.94'

S60°20'14"E 67.74'
S60°20'14"E 66.42'
S60°20'14"E 199.21'
S60°20'14"E 200.23'
S60°20'14"E 30.87'
S60°20'14"E 30.93'
S60°20'14"E 77.95'

N22°01'25"E 10.09'
S29°39'46"W 17.50'
N60°20'14"W 200.23'
N16°24'22"E 10.27'
S29°39'46"W 17.50'
N60°20'14"W 77.81'
N60°20'14"W 334.81'

61.70'
R=4502.94' N60°20'14"W
L=18.14'

S16°06'26"W 10.29'

R=312.40'
L=40.09'

R=294.90'
L=37.71'

L=35.47'
R=277.40'

S37°40'05"W 17.50'
S37°40'05"W 17.50'

1956 SHLO 4405

60"SLEEVE

3"PVC
12"CI
24"S
24"PVC
15"RCP
12"PVC
8"CI
18"PVC
24"DI

GENERAL NOTES

1. THIS PLAN IS BASED UPON AN ON-THE-GROUND SURVEY PERFORMED BY BSC GROUP, INC. IN NOVEMBER 2019.
2. HORIZONTAL DATUM IS BASED UPON NAD '83 AS DERIVED VIA GPS OBSERVATIONS PERFORMED BY BSC GROUP, INC. IN NOVEMBER 2019.
3. NO CITY OF BOSTON LAYOUT PLAN WAS FOUND FOR SPRINGDALE STREET. STATUS AS PRIVATE WAY IS BASED ON CITY OF BOSTON STREET BOOK AND 35 FOOT WIDTH IS BASED ON A COMBINATION OF CITY OF BOSTON SURVEY FIELD NOTES AND CITY LAYOUT PLANS OF ADJACENT ROADWAYS.

I CERTIFY TO THE BEST OF MY PROFESSIONAL KNOWLEDGE, INFORMATION AND BELIEF THAT:

1. THIS PLAN HAS BEEN PREPARED IN CONFORMITY WITH THE RULES AND REGULATIONS OF THE REGISTERS OF DEEDS OF THE COMMONWEALTH OF MASSACHUSETTS.
2. THIS PLAN SHOWS THE PROPERTY LINES THAT ARE THE LINES OF EXISTING OWNERSHIPS, AND THE LINES OF STREETS AND WAYS SHOWN ARE THOSE OF PUBLIC OR PRIVATE STREETS OR WAYS ALREADY ESTABLISHED, AND THAT NO NEW LINES FOR DIVISION OF EXISTING OWNERSHIP OR FOR WAYS ARE SHOWN.

COMMONWEALTH OF MASSACHUSETTS
SEAN EWALD
No. 47143
PROFESSIONAL LAND SURVEYOR

PROFESSIONAL LAND SURVEYOR
FOR BSC GROUP, INC.

03/11/2020
DATE

PLAN REFERENCES

1. PLAN ENTITLED "APPROXIMATE PLAN OF SUBDIVISION OF THE COFFIN ESTATE, SAVIN HILL" BY HENRY W. WILSON, DATED MARCH 17, 1897 AND RECORDED IN BOOK 2430, PAGE 315.
3. PLAN ENTITLED "SAVIN HILL AVE AND SPRINGDALE STREET" BY CITY OF BOSTON, DATED JUNE 7, 1907, AND FILED AS PLAN L-4038 AND LO-4038.
4. PLAN ENTITLED "DENNY ST." BY CITY OF BOSTON, DATED JUNE 19, 1900, AND FILED AS PLAN L-3312.
5. PLAN ENTITLED "EVERETT ROAD" BY CITY OF BOSTON, DATED SEPTEMBER 20, 1912, AND FILED AS PLAN L-4465 AND LO-4465
6. PLAN ENTITLED "PLAYSTEAD RD." BY CITY OF BOSTON, DATED SEPTEMBER 27, 1912, AND FILED AS PLAN L-4846.
6. PLAN ENTITLED "SAVIN HILL PLAYGROUND" BY CITY OF BOSTON, DATED JANUARY 19, 1914, AND FILED AS PLAN L-4609.
7. 1955 STATE HIGHWAY LAYOUT #4309.
8. 1956 STATE HIGHWAY LAYOUT #4405.
9. PLAN ENTITLED "HUBBARDSTON RD." BY CITY OF BOSTON, DATED MARCH 16, 1956, AND FILED AS PLAN L-8743.
10. PLAN ENTITLED "SAVIN HILL AVENUE" BY CITY OF BOSTON, DATED MARCH 19, 1982 AND RECORDED IN BOOK 10217 AT END.
11. CITY OF BOSTON FIELD NOTES IN BOOK 174, PAGE 66.
12. CITY OF BOSTON FIELD NOTES IN BOOK BBS117, PAGE 148.
13. CITY OF BOSTON FIELD NOTES IN BOOK BBS174, PAGE 24.

LEGEND

(S)	SEWER MANHOLE
(D)	DRAIN MANHOLE
(W)	WATER MANHOLE
(E)	ELECTRIC MANHOLE
	CATCH BASIN
	HYDRANT
	WATER GATE
	LIGHT POLE
	ELECTRIC HANDHOLE
F.K.A.	FORMERLY KNOWN AS
N/F	NOW OR FORMERLY
(R)	RECORD INFORMATION
S	SEWER LINE
D	DRAIN LINE
W	WATER LINE
E	UNDERGROUND ELECTRIC CONDUIT

MAP SCALE

20 0 10 20 40

(IN FEET)
1 inch = 20 ft.

BSC GROUP
803 Summer Street
Boston, Massachusetts
02127
617 896 4300

EVERSOURCE ENERGY

TITLE: SPRINGDALE STREET			
SHEET: 01 OF 01 EASEMENT PLAN DORCHESTER, MA			
BY: ADS	CHKD: SME	APP:	APP:
DATE: MAR 11, 2020	DATE: MAR 11, 2020	DATE:	DATE:
H-SCALE: 1" = 20'	SIZE: ARCH D	SURVEY JOB #:	S21624
V-SCALE: N.T.S.	V.S.:	R.E.DWG.:	
R.E. PROJ. NUMBER:		NUSCO:	

SUBORDINATION OF MORTGAGE

Harold B. Murphy, Chapter 7 Trustee of Martha Jane Pavidis, Chapter 7, Case No. 18-10923, with an address at Murphy & King PC, One Beacon Street, 21st Floor, Boston, Massachusetts (the "**Trustee**"), holder of a certain Mortgage given by Martha Jane Pavidis (the "**Mortgagor**") and recorded in the Suffolk County Registry of Deeds on March 19, 2019 in Book 60862, Page 180 (the "**Mortgage**"), hereby subordinates the Mortgage to that certain Grant of Easement between Trustee, on behalf of Mortgagor and NSTAR ELECTRIC COMPANY d/b/a EVERSOURCE ENERGY dated on or about even date herewith, and recorded with said Deeds in Book _____, Page _____ (the "**Easement**"), as though the Easement was recorded prior to the Mortgage.

[REMAINDER OF PAGE INTENTIONALLY BLANK; SIGNATURE PAGE FOLLOWS]

IN WITNESS WHEREOF, Trustee has caused this Subordination to be duly executed and delivered this 17th day of June, 2020.

TRUSTEE:

Harold B. Murphy, Chapter 7 Trustee of
Martha Jane Pavidis

COMMONWEALTH OF MASSACHUSETTS)
) SS.
COUNTY OF Suffolk)

On this 17th day of June, 2020, before me, the undersigned Notary Public, personally appeared the above named Harold B. Murphy, as Chapter 7 Trustee of Martha Jane Pavidis, and proved to me through satisfactory evidence of identification, which was Personal Knowledge to be the person whose name is signed on the preceding or attached document and acknowledged to me that he signed it voluntarily of its stated purpose.

Notary Public Andrea N. Mazzarella

My Commission Expires: 10/30/2026

Andrea N. Mazzarella
Notary Public
Commonwealth of Massachusetts
My Commission Expires October 30, 2026

141 SAVIN HILL AVENUE, DORCHESTER, MA 02125

GRANT OF EASEMENT

The Trustees of the SAVIN HILL CONDOMINIUM TRUST, pursuant to the Declaration of said Trust, dated December 18, 1984, (hereinafter called the "Grantor"), for Eighty-seven thousand nine hundred ninety-two dollars an 00/100 cents ($87,992.00) consideration paid, the receipt of which is hereby acknowledged, grants to **NSTAR ELECTRIC COMPANY d/b/a EVERSOURCE ENERGY**, a Massachusetts corporation and electric company, having its principal place of business at 247 Station Drive, Westwood, Massachusetts 02090 (hereinafter called the "Grantee"), its successors and assigns, with **quitclaim covenants**, perpetual, non-exclusive commercial easements in gross (1) to install, construct, reconstruct, replace, repair, maintain, use, operate, inspect and patrol one or more underground lines for the transmission of high and low voltage electric current, including ground wires and lines for communication, signal and control purposes, under (except for necessary manhole access covers built to ground surface to access the lines installed within underground concrete vaults) a strip of land no less than seventeen and one half (17 ½) feet in width hereinafter described (the "Easement Area"), which lines may consist of (a) conduits, pipes or ducts and manholes, with wires, cable and ground wires installed within the same, or of wires, cables and ground wires buried in the ground, or of combinations of all or any of the same, together with (b) underground supporting structures, hardware, fittings, equipment and appurtenances and (c) ways of access as may be reasonably necessary for the convenient construction, operation, maintenance, inspection and patrolling of said lines (the "Facilities"); (2) to construct underground and at the ground surface such Facilities, or any of them, at any time hereafter and at the same or different times and to renew, add to, replace, remove and otherwise change the Facilities underground and at the ground surface and each and every part thereof and the location thereof within said Easement Area; (3) to clear and keep clear by physical or other means said Easement Area or any part thereof of trees, underbrush, buildings or other structures; and (4) to enter upon and to pass along said Easement Area on foot and by vehicle, for all of the above purposes from time to time, and to change the ground surface elevation within the Easement Area, as reasonably required.

Said Easement Area is a portion of the premises conveyed to Grantor in The Savin Hill Condominium Master Deed recorded with the Suffolk Registry of Deeds, Book 11313, Page 022 by Robert Epstein, David Epstein and John R. Svenson, Trustees of The Motley School Realty Trust under Declaration of Trust dated October 7, 1983 and recorded with the Suffolk Registry of Deeds, Book 10584, Page 061; and is more specifically depicted as EASEMENT B and TEMPORARY EASEMENT 2 on a plan, to be recorded herewith, titled "SPRINGDALE STREET EASEMENT PLAN, SHEET 01 OF 01, DORCHESTER, MA", dated March 11, 2020, prepared for the Grantee by BSC Group.

The Grantor, for the Grantor and the Grantor's successors in title to the premises, covenants and agrees with the Grantee, its successors and assigns, that neither the Grantor nor any of said successors in title will (i) use or alter the Easement Area or change the present grade or ground level of the surface thereof by excavation, filling or otherwise in any manner that may endanger or interfere with the operation or maintenance of the Grantee's Facilities or disturb any of said

Facilities; or (ii) do any other act which may be inconsistent with or unreasonably interfere with the rights and easements herein granted. This grant of easement is subject to easements, covenants, and restrictions of record.

Grantee and its successors and assigns, agree to hold Grantor and its successors and assigns harmless from and against any and all liability for injury or damage to persons or property resulting from the construction, repair, maintenance and use of the easement created by this conveyance, except that Grantor is responsible for its own negligence or willful misconduct.

It is understood and agreed that said Facilities, whether or not attached to the realty, shall remain the property of the Grantee and that the Grantee shall pay all taxes assessed thereon.

In Witness Whereof, said Grantor has caused this instrument to be signed and delivered in its name by its duly authorized trustees this 8 day of July, 2020.

SAVIN HILL
CONDOMINIUM TRUST

Irene Fazio, Trustee

Beth Thibodeau, Trustee

Alena Sullivan, Trustee

COMMONWEALTH OF MASSACHUSETTS
COUNTY OF SUFFOLK

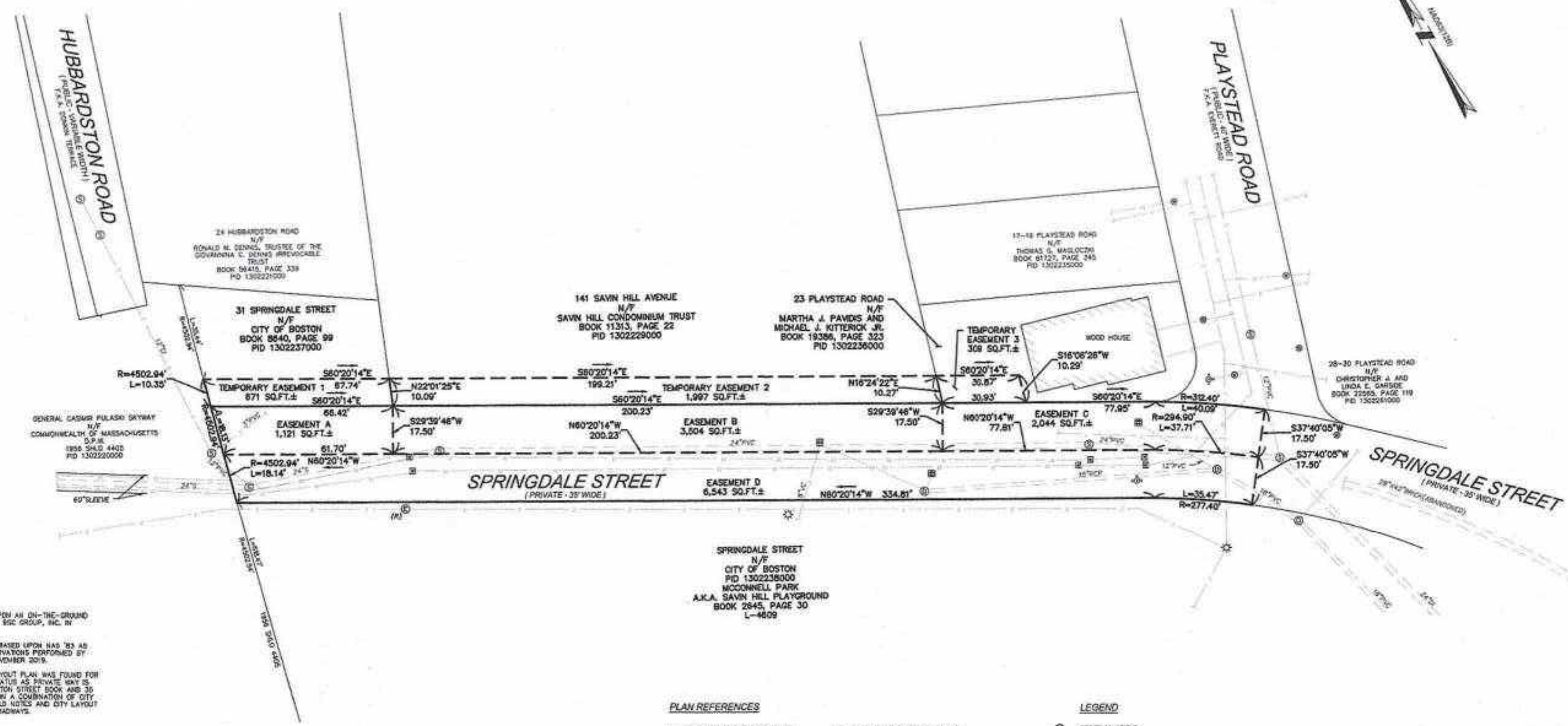
On this 8TH day of July, 2020, before me, the undersigned notary public, personally appeared IRENE FAZIO, ALENA SULLIVAN, and BETH THIBODEAU, proved to me through satisfactory evidence of identification, which was MASSACHUSETTS DRIVERS LICENSE, to be the person whose name is signed on the preceding document, and acknowledged to me that s/he signed it voluntarily for its stated purpose, as a trustee of the Savin Hill Condominium Trust.

Christine R. Covell
Notary Public
My Commission Expires: November 9, 2023

CHRISTINE R. COVELL
Notary Public
COMMONWEALTH OF MASSACHUSETTS
My Commission Expires
November 9, 2023

Locus Map
(NOT TO SCALE)

FOR REGISTRY USE ONLY



GENERAL NOTES

1. THIS PLAN IS BASED UPON AN ON-THE-GROUND SURVEY PERFORMED BY BSC GROUP, INC. IN NOVEMBER 2019.

2. HORIZONTAL DATUM IS BASED UPON NAD '83 AS DERIVED VIA GPS OBSERVATIONS PERFORMED BY BSC GROUP, INC. IN NOVEMBER 2019.

3. NO CITY OF BOSTON LAYOUT PLAN WAS FOUND FOR SPRINGDALE STREET. STATUS AS PRIVATE WAY IS BASED ON CITY OF BOSTON STREET BOOK AND 35 FOOT WIDTH IS BASED ON A COMBINATION OF CITY OF BOSTON SURVEY FIELD NOTES AND CITY LAYOUT PLANS OF ADJACENT ROADWAYS.

I CERTIFY TO THE BEST OF MY PROFESSIONAL KNOWLEDGE, INFORMATION AND BELIEF THAT:

1. THIS PLAN HAS BEEN PREPARED IN CONFORMITY WITH THE RULES AND REGULATIONS OF THE REGISTERS OF DEEDS OF THE COMMONWEALTH OF MASSACHUSETTS.

2. THIS PLAN SHOWS THE PROPERTY LINES THAT ARE THE LINES OF EXISTING OWNERSHIPS, AND THE LINES OF STREETS AND WAYS SHOWN ARE THOSE OF PUBLIC OR PRIVATE STREETS OR WAYS ALREADY ESTABLISHED, AND THAT NO NEW LINES FOR DIVISION OF EXISTING OWNERSHIP OR FOR WAYS ARE SHOWN.

PROFESSIONAL LAND SURVEYOR
FOR BSC GROUP, INC.

DATE 03/06/2020

PLAN REFERENCES

1. PLAN ENTITLED "APPROXIMATE PLAN OF SUBDIVISION OF THE COFFIN ESTATE, SAVIN HILL" BY HENRY W. WILSON, DATED MARCH 17, 1897 AND RECORDED IN BOOK 2430, PAGE 315.

3. PLAN ENTITLED "SAVIN HILL AVE AND SPRINGDALE STREET" BY CITY OF BOSTON, DATED JUNE 7, 1907, AND FILED AS PLAN L-4038 AND LO-4038.

4. PLAN ENTITLED "DENNY ST." BY CITY OF BOSTON, DATED JUNE 18, 1900, AND FILED AS PLAN L-3312.

5. PLAN ENTITLED "EVERETT ROAD" BY CITY OF BOSTON, DATED SEPTEMBER 20, 1912, AND FILED AS PLAN L-4465 AND LO-4465.

6. PLAN ENTITLED "PLAYSTEAD RD." BY CITY OF BOSTON, DATED SEPTEMBER 27, 1912, AND FILED AS PLAN L-4846.

8. PLAN ENTITLED "SAVIN HILL PLAYGROUND" BY CITY OF BOSTON, DATED JANUARY 19, 1914, AND FILED AS PLAN L-4609.

7. 1955 STATE HIGHWAY LAYOUT #4309.

8. 1956 STATE HIGHWAY LAYOUT #4405.

9. PLAN ENTITLED "HUBBARDSTON RD." BY CITY OF BOSTON, DATED MARCH 15, 1956, AND FILED AS PLAN L-8743.

10. PLAN ENTITLED "SAVIN HILL AVENUE" BY CITY OF BOSTON, DATED MARCH 19, 1982 AND RECORDED IN BOOK 10217 AT END.

11. CITY OF BOSTON FIELD NOTES IN BOOK 174, PAGE 66.

12. CITY OF BOSTON FIELD NOTES IN BOOK BBS117, PAGE 148.

13. CITY OF BOSTON FIELD NOTES IN BOOK BBS174, PAGE 24.

LEGEND

- SEWER MANHOLE
- DRAIN MANHOLE
- WATER MANHOLE
- ELECTRIC MANHOLE
- CATCH BASIN
- HYDRANT
- WATER GATE
- LIGHT POLE
- ELECTRIC HANDHOLE
- F.K.A. FORMERLY KNOWN AS
- N/F NOW OR FORMERLY
- (R) RECORD INFORMATION
- SEWER LINE
- DRAIN LINE
- WATER LINE
- UNDERGROUND ELECTRIC CONDUIT

MAP SCALE
(IN FEET)
1 inch = 20 ft.

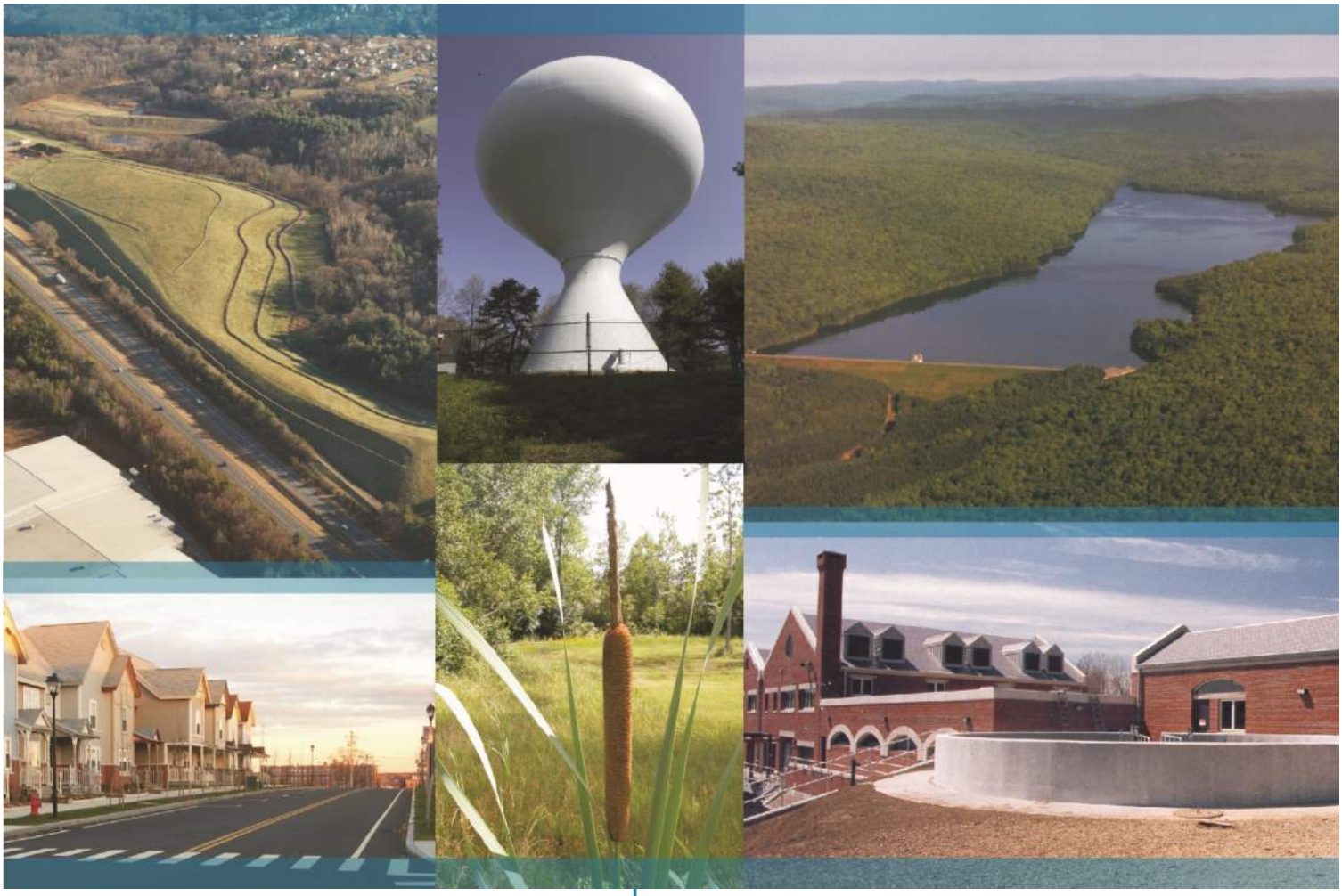
BSC GROUP
803 Summer Street
Boston, Massachusetts
02127
617 896 4300

EVERSOURCE ENERGY

TITLE: SPRINGDALE STREET			
SHEET: 01 OF 01	EASEMENT PLAN DORCHESTER, MA		
BY: ADS	CHKD: SWE	APP:	APP:
DATE: MAR 11, 2020	DATE: MAR 11, 2020	DATE:	DATE:
H-SCALE: 1" = 20'	SIZE: ARCH D	SURVEY JOB #:	321624
V-SCALE: N.T.S.	V.S.:	R.E.DWG.:	
R.E. PROJ. NUMBER:		MUSCO:	

Tighe&Bond

APPENDIX F



Andrew Square to Dewar Street
Reliability Project
Boston, Massachusetts

Stormwater Report

Prepared For:

NSTAR Electric Company d/b/a
Eversource Energy
Westwood, Massachusetts

May 2021

Stormwater Report

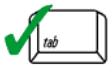
TABLE OF CONTENTS

Massachusetts Department of Environmental Protection
Bureau of Resource Protection - Wetlands Program

Checklist for Stormwater Report

A. Introduction

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



A Stormwater Report must be submitted with the Notice of Intent permit application to document compliance with the Stormwater Management Standards. The following checklist is NOT a substitute for the Stormwater Report (which should provide more substantive and detailed information) but is offered here as a tool to help the applicant organize their Stormwater Management documentation for their Report and for the reviewer to assess this information in a consistent format. As noted in the Checklist, the Stormwater Report must contain the engineering computations and supporting information set forth in Volume 3 of the Massachusetts Stormwater Handbook. The Stormwater Report must be prepared and certified by a Registered Professional Engineer (RPE) licensed in the Commonwealth.

The Stormwater Report must include:

- The Stormwater Checklist completed and stamped by a Registered Professional Engineer (see page 2) that certifies that the Stormwater Report contains all required submittals.[1] This Checklist is to be used as the cover for the completed Stormwater Report.
- Applicant/Project Name
- Project Address
- Name of Firm and Registered Professional Engineer that prepared the Report
- Long-Term Pollution Prevention Plan required by Standards 4-6
- Construction Period Pollution Prevention and Erosion and Sedimentation Control Plan required by Standard 8[2]
- Operation and Maintenance Plan required by Standard 9

In addition to all plans and supporting information, the Stormwater Report must include a brief narrative describing stormwater management practices, including environmentally sensitive site design and LID techniques, along with a diagram depicting runoff through the proposed BMP treatment train. Plans are required to show existing and proposed conditions, identify all wetland resource areas, NRCS soil types, critical areas, Land Uses with Higher Potential Pollutant Loads (LUHPPL), and any areas on the site where infiltration rate is greater than 2.4 inches per hour. The Plans shall identify the drainage areas for both existing and proposed conditions at a scale that enables verification of supporting calculations.

As noted in the Checklist, the Stormwater Management Report shall document compliance with each of the Stormwater Management Standards as provided in the Massachusetts Stormwater Handbook. The soils evaluation and calculations shall be done using the methodologies set forth in Volume 3 of the Massachusetts Stormwater Handbook.

To ensure that the Stormwater Report is complete, applicants are required to fill in the Stormwater Report Checklist by checking the box to indicate that the specified information has been included in the Stormwater Report. If any of the information specified in the checklist has not been submitted, the applicant must provide an explanation. The completed Stormwater Report Checklist and Certification must be submitted with the Stormwater Report.

---

[1] The Stormwater Report may also include the Illicit Discharge Compliance Statement required by Standard 10. If not included in the Stormwater Report, the Illicit Discharge Compliance Statement must be submitted prior to the discharge of stormwater runoff to the post-construction best management practices.

[2] For some complex projects, it may not be possible to include the Construction Period Erosion and Sedimentation Control Plan in the Stormwater Report. In that event, the issuing authority has the discretion to issue an Order of Conditions that approves the project and includes a condition requiring the proponent to submit the Construction Period Erosion and Sedimentation Control Plan before commencing any land disturbance activity on the site.

Massachusetts Department of Environmental Protection
Bureau of Resource Protection - Wetlands Program

Checklist for Stormwater Report

B. Stormwater Checklist and Certification

The following checklist is intended to serve as a guide for applicants as to the elements that ordinarily need to be addressed in a complete Stormwater Report. The checklist is also intended to provide conservation commissions and other reviewing authorities with a summary of the components necessary for a comprehensive Stormwater Report that addresses the ten Stormwater Standards.

Note: Because stormwater requirements vary from project to project, it is possible that a complete Stormwater Report may not include information on some of the subjects specified in the Checklist. If it is determined that a specific item does not apply to the project under review, please note that the item is not applicable (N.A.) and provide the reasons for that determination.

A complete checklist must include the Certification set forth below signed by the Registered Professional Engineer who prepared the Stormwater Report.

Registered Professional Engineer's Certification

I have reviewed the Stormwater Report, including the soil evaluation, computations, Long-term Pollution Prevention Plan, the Construction Period Erosion and Sedimentation Control Plan (if included), the Long-term Post-Construction Operation and Maintenance Plan, the Illicit Discharge Compliance Statement (if included) and the plans showing the stormwater management system, and have determined that they have been prepared in accordance with the requirements of the Stormwater Management Standards as further elaborated by the Massachusetts Stormwater Handbook. I have also determined that the information presented in the Stormwater Checklist is accurate and that the information presented in the Stormwater Report accurately reflects conditions at the site as of the date of this permit application.

Registered Professional Engineer Block and Signature

5.7.21

Signature and Date

Checklist

Project Type: Is the application for new development, redevelopment, or a mix of new and redevelopment? ☒ **N/A –no new point source discharges**

☐ New development

☒ Redevelopment

☐ Mix of New Development and Redevelopment

Checklist for Stormwater Report

Checklist (continued)

LID Measures: Stormwater Standards require LID measures to be considered. Document what environmentally sensitive design and LID Techniques were considered during the planning and design of the project:

- ☐ No disturbance to any Wetland Resource Areas
- ☐ Site Design Practices (e.g. clustered development, reduced frontage setbacks)
- ☐ Reduced Impervious Area (Redevelopment Only)
- ☐ Minimizing disturbance to existing trees and shrubs
- ☐ LID Site Design Credit Requested:
  - ☐ Credit 1
  - ☐ Credit 2
  - ☐ Credit 3
- ☐ Use of "country drainage" versus curb and gutter conveyance and pipe
- ☐ Bioretention Cells (includes Rain Gardens)
- ☐ Constructed Stormwater Wetlands (includes Gravel Wetlands designs)
- ☐ Treebox Filter
- ☐ Water Quality Swale
- ☐ Grass Channel
- ☐ Green Roof
- ☐ Other (describe): _____

Standard 1: No New Untreated Discharges

- ☒ No new untreated discharges
- ☐ Outlets have been designed so there is no erosion or scour to wetlands and waters of the Commonwealth
- ☐ Supporting calculations specified in Volume 3 of the Massachusetts Stormwater Handbook included.

Checklist for Stormwater Report

Checklist (continued)

Standard 2: Peak Rate Attenuation

☒ **N/A –No new point source discharges or increases in impervious area**

☐ Standard 2 waiver requested because the project is located in land subject to coastal storm flowage and stormwater discharge is to a wetland subject to coastal flooding.

☐ Evaluation provided to determine whether off-site flooding increases during the 100-year 24-hour storm.

☐ Calculations provided to show that post-development peak discharge rates do not exceed pre-development rates for the 2-year and 10-year 24-hour storms. If evaluation shows that off-site flooding increases during the 100-year 24-hour storm, calculations are also provided to show that post-development peak discharge rates do not exceed pre-development rates for the 100-year 24-hour storm.

Standard 3: Recharge

☒ **N/A –No new point source discharges or increases in impervious area**

☐ Soil Analysis provided.

☐ Required Recharge Volume calculation provided.

☐ Required Recharge volume reduced through use of the LID site Design Credits.

☐ Sizing the infiltration, BMPs is based on the following method: Check the method used.

☐ Static ☐ Simple Dynamic ☐ Dynamic Field[1]

☐ Runoff from all impervious areas at the site discharging to the infiltration BMP.

☐ Runoff from all impervious areas at the site is *not* discharging to the infiltration BMP and calculations are provided showing that the drainage area contributing runoff to the infiltration BMPs is sufficient to generate the required recharge volume.

☐ Recharge BMPs have been sized to infiltrate the Required Recharge Volume.

☐ Recharge BMPs have been sized to infiltrate the Required Recharge Volume *only* to the maximum extent practicable for the following reason:

- ☐ Site is comprised solely of C and D soils and/or bedrock at the land surface
- ☐ M.G.L. c. 21E sites pursuant to 310 CMR 40.0000
- ☐ Solid Waste Landfill pursuant to 310 CMR 19.000
- ☐ Project is otherwise subject to Stormwater Management Standards only to the maximum extent practicable.

☐ Calculations showing that the infiltration BMPs will drain in 72 hours are provided.

☐ Property includes a M.G.L. c. 21E site or a solid waste landfill and a mounding analysis is included.

Checklist for Stormwater Report

[1] 80% TSS removal is required prior to discharge to infiltration BMP if Dynamic Field method is used.

Checklist (continued)

Standard 3: Recharge (continued)

☐ The infiltration BMP is used to attenuate peak flows during storms greater than or equal to the 10-year 24-hour storm and separation to seasonal high groundwater is less than 4 feet and a mounding analysis is provided.

☐ Documentation is provided showing that infiltration BMPs do not adversely impact nearby wetland resource areas.

Standard 4: Water Quality
☒ **N/A –No new point source discharges or increases in impervious area**

The Long-Term Pollution Prevention Plan typically includes the following:

- Good housekeeping practices;
- Provisions for storing materials and waste products inside or under cover;
- Vehicle washing controls;
- Requirements for routine inspections and maintenance of stormwater BMPs;
- Spill prevention and response plans;
- Provisions for maintenance of lawns, gardens, and other landscaped areas;
- Requirements for storage and use of fertilizers, herbicides, and pesticides;
- Pet waste management provisions;
- Provisions for operation and management of septic systems;
- Provisions for solid waste management;
- Snow disposal and plowing plans relative to Wetland Resource Areas;
- Winter Road Salt and/or Sand Use and Storage restrictions;
- Street sweeping schedules;
- Provisions for prevention of illicit discharges to the stormwater management system;
- Documentation that Stormwater BMPs are designed to provide for shutdown and containment in the event of a spill or discharges to or near critical areas or from LUHPPL;
- Training for staff or personnel involved with implementing Long-Term Pollution Prevention Plan;
- List of Emergency contacts for implementing Long-Term Pollution Prevention Plan.

☐ A Long-Term Pollution Prevention Plan is attached to Stormwater Report and is included as an attachment to the Wetlands Notice of Intent.

☐ Treatment BMPs subject to the 44% TSS removal pretreatment requirement and the one inch rule for calculating the water quality volume are included, and discharge:

- ☐ is within the Zone II or Interim Wellhead Protection Area
- ☐ is near or to other critical areas
- ☐ is within soils with a rapid infiltration rate (greater than 2.4 inches per hour)
- ☐ involves runoff from land uses with higher potential pollutant loads.

☐ The Required Water Quality Volume is reduced through use of the LID site Design Credits.

☐ Calculations documenting that the treatment train meets the 80% TSS removal requirement and, if applicable, the 44% TSS removal pretreatment requirement, are provided.

Checklist for Stormwater Report

Checklist (continued)

Standard 4: Water Quality (continued)

☐ The BMP is sized (and calculations provided) based on:

- ☐ The ½" or 1" Water Quality Volume or
- ☐ The equivalent flow rate associated with the Water Quality Volume and documentation is provided showing that the BMP treats the required water quality volume.

☐ The applicant proposes to use proprietary BMPs, and documentation supporting use of proprietary BMP and proposed TSS removal rate is provided. This documentation may be in the form of the propriety BMP checklist found in Volume 2, Chapter 4 of the Massachusetts Stormwater Handbook and submitting copies of the TARP Report, STEP Report, and/or other third party studies verifying performance of the proprietary BMPs.

☐ A TMDL exists that indicates a need to reduce pollutants other than TSS and documentation showing that the BMPs selected are consistent with the TMDL is provided.

Standard 5: Land Uses With Higher Potential Pollutant Loads (LUHPPLs)

☒ **N/A – No new point source discharges or increases in impervious area or changes in land use.**

☐ The NPDES Multi-Sector General Permit covers the land use and the Stormwater Pollution Prevention Plan (SWPPP) has been included with the Stormwater Report.

☐ The NPDES Multi-Sector General Permit covers the land use and the SWPPP will be submitted ***prior to*** the discharge of stormwater to the post-construction stormwater BMPs.

☐ The NPDES Multi-Sector General Permit does ***not*** cover the land use.

☐ LUHPPLs are located at the site and industry specific source control and pollution prevention measures have been proposed to reduce or eliminate the exposure of LUHPPLs to rain, snow, snow melt and runoff, and been included in the long term Pollution Prevention Plan.

☐ All exposure has been eliminated.

☐ All exposure has ***not*** been eliminated and all BMPs selected are on MassDEP LUHPPL list.

☐ The LUHPPL has the potential to generate runoff with moderate to higher concentrations of oil and grease (e.g. all parking lots with >1000 vehicle trips per day) and the treatment train includes an oil grit separator, a filtering bioretention area, a sand filter or equivalent.

Standard 6: Critical Areas

☒ **N/A –No new point source discharges**

☐ The discharge is near or to a critical area and the treatment train includes only BMPs that MassDEP has approved for stormwater discharges to or near that particular class of critical area.

☐ Critical areas and BMPs are identified in the Stormwater Report.

Checklist for Stormwater Report

Checklist (continued)

Standard 7: Redevelopments and Other Projects Subject to the Standards only to the maximum extent practicable

☒ The project is subject to the Stormwater Management Standards only to the maximum Extent Practicable as a:

- ☐ Limited Project
- ☐ Small Residential Projects: 5-9 single family houses or 5-9 units in a multi-family development provided there is no discharge that may potentially affect a critical area.
- ☐ Small Residential Projects: 2-4 single family houses or 2-4 units in a multi-family development with a discharge to a critical area
- ☐ Marina and/or boatyard provided the hull painting, service and maintenance areas are protected from exposure to rain, snow, snow melt and runoff
- ☐ Bike Path and/or Foot Path
- ☒ Redevelopment Project
- ☐ Redevelopment portion of mix of new and redevelopment.

☒ Certain standards are not fully met (Standard No. 1, 8, 9, and 10 must always be fully met) and an explanation of why these standards are not met is contained in the Stormwater Report.

☐ The project involves redevelopment and a description of all measures that have been taken to improve existing conditions is provided in the Stormwater Report. The redevelopment checklist found in Volume 2 Chapter 3 of the Massachusetts Stormwater Handbook may be used to document that the proposed stormwater management system (a) complies with Standards 2, 3 and the pretreatment and structural BMP requirements of Standards 4-6 to the maximum extent practicable and (b) improves existing conditions.

Standard 8: Construction Period Pollution Prevention and Erosion and Sedimentation Control

A Construction Period Pollution Prevention and Erosion and Sedimentation Control Plan must include the following information:

- Narrative;
- Construction Period Operation and Maintenance Plan;
- Names of Persons or Entity Responsible for Plan Compliance;
- Construction Period Pollution Prevention Measures;
- Erosion and Sedimentation Control Plan Drawings;
- Detail drawings and specifications for erosion control BMPs, including sizing calculations;
- Vegetation Planning;
- Site Development Plan;
- Construction Sequencing Plan;
- Sequencing of Erosion and Sedimentation Controls;
- Operation and Maintenance of Erosion and Sedimentation Controls;
- Inspection Schedule;
- Maintenance Schedule;
- Inspection and Maintenance Log Form.

☒ A Construction Period Pollution Prevention and Erosion and Sedimentation Control Plan containing the information set forth above has been included in the Stormwater Report.

Checklist for Stormwater Report

Checklist (continued)

Standard 8: Construction Period Pollution Prevention and Erosion and Sedimentation Control (continued)

☐ The project is highly complex and information is included in the Stormwater Report that explains why it is not possible to submit the Construction Period Pollution Prevention and Erosion and Sedimentation Control Plan with the application. A Construction Period Pollution Prevention and Erosion and Sedimentation Control has ***not*** been included in the Stormwater Report but will be submitted ***before*** land disturbance begins.

☐ The project is ***not*** covered by a NPDES Construction General Permit.

☐ The project is covered by a NPDES Construction General Permit and a copy of the SWPPP is in the Stormwater Report.

☒ The project is covered by a NPDES Construction General Permit but no SWPPP been submitted. The SWPPP will be submitted BEFORE land disturbance begins.

Standard 9: Operation and Maintenance Plan

☒ **N/A –No new point source discharges**

☐ The Post Construction Operation and Maintenance Plan is included in the Stormwater Report and includes the following information:

- ☐ Name of the stormwater management system owners;
- ☐ Party responsible for operation and maintenance;
- ☐ Schedule for implementation of routine and non-routine maintenance tasks;
- ☐ Plan showing the location of all stormwater BMPs maintenance access areas;
- ☐ Description and delineation of public safety features;
- ☐ Estimated operation and maintenance budget; and
- ☐ Operation and Maintenance Log Form.

☐ The responsible party is ***not*** the owner of the parcel where the BMP is located and the Stormwater Report includes the following submissions:

- ☐ A copy of the legal instrument (deed, homeowner's association, utility trust or other legal entity) that establishes the terms of and legal responsibility for the operation and maintenance of the project site stormwater BMPs;
- ☐ A plan and easement deed that allows site access for the legal entity to operate and maintain BMP functions.

Standard 10: Prohibition of Illicit Discharges

☒ **N/A –No new point source discharges**

☐ The Long-Term Pollution Prevention Plan includes measures to prevent illicit discharges;

☐ An Illicit Discharge Compliance Statement is attached;

☐ NO Illicit Discharge Compliance Statement is attached but will be submitted ***prior to*** the discharge of any stormwater to post-construction BMPs.

Section 1
Registered Professional Engineer's Certification

The certification of the registered professional engineer that prepared the stormwater report is included on the stormwater checklist form.

Section 2
Project Type

The proposed project consists of the installation of an approximately two-mile underground electric transmission line between two existing Eversource substations (Andrew Square and Dewar Street) along with modifications to those substations to accommodate the new line. The project will serve the public interest by increasing the reliability of the local electric transmission system supplying customers in the Dorchester, South Boston and Roxbury neighborhoods of the City of Boston.

The proposed project includes:

- Installation of equipment at the existing Andrew Square and Dewar Street Substations to accommodate the proposed transmission line.
- Installation of 8 manholes along the proposed transmission line.
- Installation of an approximately 2.0-mile-long transmission line via open-cut trenching within roads and trenchless crossing under the MBTA tracks and Interstate 93.

The existing storm drainage system within public roadways will be maintained, with no new collection systems or point source discharges. Pre-existing conditions will be restored to same as or better than previous conditions.

Section 3
LID Measures

Not Applicable. No new development is proposed and no stormwater management options with less impact are available.

Section 4
Stormwater Management Standards

Standard 1: No New Untreated Discharges

There are no new stormwater outfalls proposed as a part of this project. No new impervious area will result from the proposed activities.

Standard 2: Peak Rate Attenuation

The project will not result in any changes in impervious area.

Standard 3: Recharge

The project, which is an electric system reliability project within existing disturbed areas, will not result in a change in impervious area, therefore there is no recharge volume required for the site.

Standard 4: Water Quality

This is a redevelopment project and there will be no change in impervious area or increase in pollutant loads discharging to resource areas via stormwater runoff.

Standard 5: Land Uses With Higher Potential Pollutant

This proposed project is not itself, nor is it situated within areas that qualify for consideration as a Land Use With Higher Potential Pollutant Loads.

Standard 6: Critical Areas

This is a redevelopment project and there will be no change in impervious area or increase in pollutant loads discharging to a Critical Area via stormwater runoff.

Standard 7: Redevelopments and Other Projects Subject to the Standards Only to the Maximum Extent Practicable

This project is an electric system reliability project within existing disturbed areas. This Stormwater Report steps through each of the stormwater standards and explains how the proposed project applies to each standard or meets each standard to the maximum extent practicable.

Standard 8: Construction Period Pollution Prevention and Erosion and Sedimentation Control

Construction Period Pollution Prevention and Erosion and Sedimentation Control measures are discussed in the Notice of Intent project narrative and are presented on the project drawings. The project will result in overall disturbance greater than 1 acre, and will require registration under the EPA Construction General Permit and preparation of a Stormwater Pollution Prevention Plan. Appropriate erosion and sediment controls will be implemented during construction, including:

- Designation of a site manager by the contractor, who will serve as the responsible party for installing, monitoring, inspecting, and correcting problems with erosion and sediment controls.
- Installation of erosion and sediment controls prior to initiation of construction, including silt sacks in catchbasins near work areas.
- Regular sweeping of paved surfaces during construction.
- Weekly inspections of erosion and sediment controls and inspections within 24 hours of storms of 0.5 inches or more. Problems will be corrected before the next rain event.

Standard 9: Operation and Maintenance Plan

Not applicable. The proposed redevelopment project does not include any post-construction structural BMPs that would require future maintenance.

Standard 10: Prohibition of Illicit Discharges

No new stormwater discharges and no illicit discharges will result from the proposed project.

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