



NOTICE OF INTENT

LOWER CENTRAL INTERCEPTOR IMPROVEMENTS

Weymouth Department of Public Works
Town of Weymouth, MA

May 2023



ENVIRONMENTAL
 **PARTNERS**

— An Apex Company —

May 11, 2023

Weymouth Conservation Commission
Town Hall
75 Middle Street
Weymouth, MA 02189

**RE: Wetlands Protection Act Notice of Intent
Lower Central Interceptor Improvements - Borings
MassDEP Transmittal No. X289791**

Dear Commissioners:

On behalf of the Weymouth Department of Public Works, Environmental Partners (EP) has prepared this cover letter and attachments for a Notice of Intent (NOI) regarding the proposed Lower Central Interceptor Improvements Project in accordance with the Massachusetts Wetlands Protection Act (M.G.L. Chapter 131 Section 40), the Massachusetts Wetlands Protection Regulations (310 CMR 10.00), and Lynnfield Wetland Protection Bylaw.

Proof of Notice of this NOI filing to MassDEP in the form of mail delivery confirmation will be provided to the Conservation Commission prior to the scheduled public hearing.

The NOI includes the following appendices:

- Appendix A: Massachusetts Department of Environmental Protection (MassDEP) WPA Form 3
- Appendix B: Wetland Resource Area Analysis Report
- Appendix C: Project Maps
- Appendix D: Permitting Design Plans
- Appendix E: Abutter's Information
- Appendix F: Stormwater Report
- Appendix G: Local NOI Form

Project Description

The work consists of eight subsurface borings, all of which are located alongside the alignment of the existing Lower Central Interceptor Sewer between Montcalm Street and Commercial Street, within an existing sewer easement. The borings will be drilled with a track mounted rotary drill to a depth of approximately 15-ft below the existing ground surface. Soil samples will be collected every 5-ft with a split spoon sampler. Subsurface information will be used in the design of the replacement of approximately 1,200 linear feet of the existing 30-inch reinforced concrete interceptor with new 42-inch sewer including crossing of the MBTA railroad.

The existing sewer interceptor alignment, environmental resource areas, and proposed boring locations are included on the locus map within Appendix C and shown on the design plans in Appendix D. Photos of the proposed project area are below:



Looking East from Approximate Location of B-5



Looking South from Approximate Location of B-5

Drilling for the borings is expected to commence in June of 2023.

Impacts to Resource Areas

EP's subconsultant, LEC Environmental Consultants, completed a resource area delineation and investigation in December 2022, which is included in Appendix B. The delineation and investigation found that the proposed drilling locations are located within or adjacent to several wetland resource areas that are protected under the Wetlands Protection Regulations (310 CMR 10.00). These resource areas include: saltmarsh; bank; bordering vegetated wetland; land under water bodies; land subject to flooding; land subject to coastal storm flowage; and riverfront area. The proposed borings fall within the 100-foot buffer zone, bordering vegetated wetland, 200-ft riverfront area, land subject to coastal storm flowage, and land subject to flooding (100-yr flood zone). Descriptions of these areas are provided below and are depicted in Attachment D.

- Sheet C-1: All borings fall within the 200-foot riverfront area. Borings B-1 and B-2 are located on land subject to flooding and land subject to coastal storm flowage. Borings B-4 through B-7 are located within a bordering vegetated wetland, land subject to coastal storm flowage, and land subject to flooding. Boring B-3 is located within the 100-ft buffer zone.
- Sheet C-2: Boring B-8 is located within a bordering vegetated wetland, land subject to flooding, and land subject to coastal storm flowage.

Due to the limited and temporary impact of the borings, erosion controls are not proposed. The borings have a diameter of approximately 6 inches. All temporary staging areas for the drilling equipment shall be outside of the 100-foot wetland buffer, the 200-foot riverfront area and the 100-yr flood zone.

Proposed Environmental Protection Measures

In order to mitigate impacts to bordering vegetated and isolated wetlands buffer zones during construction activities, the following environmental protection measures will be provided.

- The driller will use HDPE protective mats within resource areas to mitigate impacts to the resource areas with the drill rig. The driller will also enter and exit resource areas using the shortest possible access path from the closest upland location. The drill rig will access the borings between the MBTA railroad and Commercial Street from the upland area via Edison Street as shown on the Proposed Access Route Figure in Appendix C. Pictures of the proposed mats are shown below.



HDPE Mat Example 1



HDPE Mat Example 2

Alternatives Analysis

Per 310 CMR 10.58 (4), any project that impacts Riverfront Area must be accompanied by an alternatives analysis providing evidence that there are no practical and substantially equivalent economic alternatives to the proposed project with less adverse environmental and ecological effects. In the following section, the alternatives considered in order to increase water quality within the system are discussed.

Alternative 1 – No Subsurface Investigation

If no subsurface investigation was conducted, the design would not be able to proceed. The sewer replacement project will be permitted at a later date once the design has been complete. Without the replacement of the existing 30-inch diameter Lower Central Interceptor, the Interceptor will be unable to accommodate peak flows that can reach above 14 MGD during significant storm events. As such, sanitary sewer overflows will be more likely to occur during significant storm events if no work is performed.

Alternative 2 – Sewer Replacement

This alternative would include performing 8 borings to gather geotechnical information for the design of a sewer replacement project. The future project will consist of replacing approximately 1,200 linear feet of the existing 30-inch reinforced concrete interceptor with new 42-inch sewer including crossing of the MBTA railroad. A separate notice of intent will be submitted for the sewer construction.

Stormwater Management

This NOI submission includes a Stormwater Report (Appendix F)

Public Notification

Copies of the Certified Abutter's list are included. Notification to Abutters forms will be sent once a meeting date has been finalized.

If you have any questions or need any additional information, please do not hesitate to contact me at 617-657-0281 or by email at rja@envpartners.com

Sincerely,

Environmental Partners Group

A handwritten signature in blue ink that reads "Ryan Allgrove". The signature is written in a cursive style.

Ryan J. Allgrove, P.E.

Project Manager

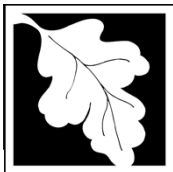
P: 617.657.0281

E: rja@envpartners.com

CC: Kenan Connell, Director of Public Works, Town of Weymouth

APPENDIX A

MassDEP WPA Form 3



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

MassDEP File Number
Document Transaction Number
Weymouth
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):

Montcalm St., Edge St., Trefton Ave., and Commercial St.	Weymouth	02188
	b. City/Town	c. Zip Code
Latitude and Longitude:	42.230308	-70.951266
	d. Latitude	e. Longitude
N/A		
f. Assessors Map/Plat Number	g. Parcel /Lot Number	

2. Applicant:

a. First Name	Weymouth Department of Public Works		b. Last Name
c. Organization	120 Winter Street		
d. Street Address	Weymouth	MA	02188
	e. City/Town	f. State	g. Zip Code
781-337-5100	781-337-6940	j. Email Address	
h. Phone Number	i. Fax Number		

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

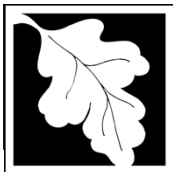
a. First Name	b. Last Name	
c. Organization		
d. Street Address		
e. City/Town	f. State	g. Zip Code
h. Phone Number	i. Fax Number	j. Email address

4. Representative (if any):

Ryan	Allgrove	
a. First Name	b. Last Name	
Environmental Partners Group, LLC		
c. Company		
18 Commerce Way		
d. Street Address		
	MA	01801
e.	f. State	g. Zip Code
617-657-0281	rja@envpartners.com	
h. Phone Number	j. Email address	
	i. Fax Number	

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

\$0	\$0	\$0
a. Total Fee Paid	b. State Fee Paid	c. City/Town Fee Paid



Massachusetts Department of Environmental Protection
Bureau of Resource Protection - Wetlands

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A. General Information (continued)

6. General Project Description:

See attached cover letter.

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. - Construction of an underground utility

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:

Montcalm St., Edge St., Trefton Ave., and
Commercial St.

N/A

c. Book

N/A

b. Certificate # (if registered land)

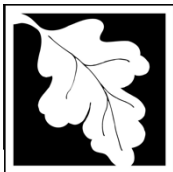
N/A

d. Page Number

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

- 1. Buffer Zone Only – Check if the project is located only in the Buffer Zone of a Bordering Vegetated Wetland, Inland Bank, or Coastal Resource Area.
- 2. Inland Resource Areas (see 310 CMR 10.54-10.58; if not applicable, go to Section B.3, Coastal Resource Areas).

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



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

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

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

Resource Area	Size of Proposed Alteration	Proposed Replacement (if any)
d. <input checked="" type="checkbox"/> Bordering Land Subject to Flooding	<3 1. square feet 0 3. cubic feet of flood storage lost	<3 2. square feet 0 4. cubic feet replaced
e. <input type="checkbox"/> Isolated Land Subject to Flooding	1. square feet 2. cubic feet of flood storage lost	3. cubic feet replaced
f. <input checked="" type="checkbox"/> Riverfront Area	Tide Mill Brook 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: <3 square feet

4. Proposed alteration of the Riverfront Area:

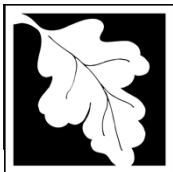
<u><3</u>	<u><3</u>	<u><3</u>
a. total square feet	b. square feet within 100 ft.	c. square feet between 100 ft. and 200 ft.

5. Has an alternatives analysis been done and is it attached to this NOI? Yes No

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

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

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



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

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

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

<u>Resource Area</u>	<u>Size of Proposed Alteration</u>	<u>Proposed Replacement (if any)</u>
a. <input type="checkbox"/> Designated Port Areas	Indicate size under Land Under the Ocean, below	
b. <input type="checkbox"/> Land Under the Ocean	_____	
	1. square feet	

	2. cubic yards dredged	
c. <input type="checkbox"/> Barrier Beach	Indicate size under Coastal Beaches and/or Coastal Dunes below	
d. <input type="checkbox"/> Coastal Beaches	_____	_____
	1. square feet	2. cubic yards beach nourishment
e. <input type="checkbox"/> Coastal Dunes	_____	_____
	1. square feet	2. cubic yards dune nourishment
	<u>Size of Proposed Alteration</u>	<u>Proposed Replacement (if any)</u>
f. <input type="checkbox"/> Coastal Banks	_____	
	1. linear feet	
g. <input type="checkbox"/> Rocky Intertidal Shores	_____	
	1. square feet	
h. <input type="checkbox"/> Salt Marshes	_____	_____
	1. square feet	2. sq ft restoration, rehab., creation
i. <input type="checkbox"/> Land Under Salt Ponds	_____	
	1. square feet	

	2. cubic yards dredged	
j. <input type="checkbox"/> Land Containing Shellfish	_____	
	1. square feet	
k. <input type="checkbox"/> Fish Runs	Indicate size under Coastal Banks, inland Bank, Land Under the Ocean, and/or inland Land Under Waterbodies and Waterways, above	

	1. cubic yards dredged	
l. <input type="checkbox"/> Land Subject to Coastal Storm Flowage	_____	
	1. square feet	

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

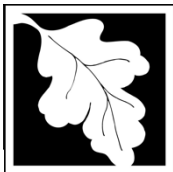
a. square feet of BVW

b. square feet of Salt Marsh

5. Project Involves Stream Crossings

a. number of new stream crossings

b. number of replacement stream crossings



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C. Other Applicable Standards and Requirements

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

Streamlined Massachusetts Endangered Species Act/Wetlands Protection Act Review

- 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**

- 8/1/2021
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*

- Percentage/acreage of property to be altered:
 - (a) within wetland Resource Area _____ percentage/acreage
 - (b) outside Resource Area _____ percentage/acreage

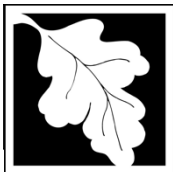
- Assessor's Map or right-of-way plan of site

- 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 <https://www.mass.gov/endangered-species-act-mesa-regulatory-review>).

Priority Habitat includes habitat for state-listed plants and strictly upland species not protected by the Wetlands Protection Act.

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



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

(c) MESA filing fee (fee information available at <https://www.mass.gov/how-to/how-to-file-for-a-mesa-project-review>).

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, <https://www.mass.gov/service-details/exemptions-from-review-for-projectsactivities-in-priority-habitat>; 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:

North Shore - Hull to New Hampshire border:

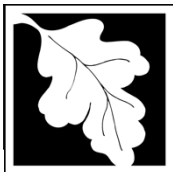
Division of Marine Fisheries -
Southeast Marine Fisheries Station
Attn: Environmental Reviewer
836 South Rodney French Blvd.
New Bedford, MA 02744
Email: dmf.envreview-south@mass.gov

Division of Marine Fisheries -
North Shore Office
Attn: Environmental Reviewer
30 Emerson Avenue
Gloucester, MA 01930
Email: dmf.envreview-north@mass.gov

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.

c. Is this an aquaculture project? d. Yes No

If yes, include a copy of the Division of Marine Fisheries Certification Letter (M.G.L. c. 130, § 57).



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

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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.

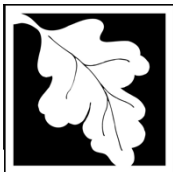
D. Additional Information

- 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

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D. Additional Information (cont'd)

3. Identify the method for BVW and other resource area boundary delineations (MassDEP BVW Field Data Form(s), Determination of Applicability, Order of Resource Area Delineation, etc.), and attach documentation of the methodology.

4. List the titles and dates for all plans and other materials submitted with this NOI.

Lower Central Interceptor Improvements

a. Plan Title

Environmental Partners Group, LLC

Ryan J. Allgrove

b. Prepared By

c. Signed and Stamped by

May 2023

1" = 20'

d. Final Revision Date

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:

2. Municipal Check Number

3. Check date

4. State Check Number

5. Check date

6. Payor name on check: First Name

7. Payor name on check: Last Name



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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

5-11-23

2. Date

3. Signature of Property Owner (if different)

5. Signature of Representative (if any)

4. Date

5/11/23

6. Date

For Conservation Commission:

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

For MassDEP:

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

Other:

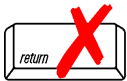
If the applicant has checked the "yes" box in any part of Section C, Item 3, above, refer to that section and the Instructions for additional submittal requirements.

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



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

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



A. Applicant Information

1. Location of Project:

Montcalm St., Edge St., Trefton Ave., and Commercial St.	Weymouth
N/A	N/A
c. Check number	d. Fee amount

2. Applicant Mailing Address:

a. First Name	b. Last Name	
Weymouth Department of Public Works		
c. Organization		
120 Winter Street		
d. Mailing Address		
Weymouth	MA	02188
e. City/Town	f. State	g. Zip Code
781-337-5100	7813353283	KConnell@weymouth.ma.us
h. Phone Number	i. Fax Number	j. Email Address

3. Property Owner (if different):

a. First Name	b. Last Name	
c. Organization		
d. Mailing Address		
e. City/Town	f. State	g. Zip Code
h. Phone Number	i. Fax Number	j. Email Address

B. Fees

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

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

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

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

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

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

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

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



Massachusetts Department of Environmental Protection
 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 _____	1 _____	N/A _____	N/A _____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

Step 5/Total Project Fee: _____

Step 6/Fee Payments:

Total Project Fee: N/A
 a. Total Fee from Step 5

State share of filing Fee: _____
 b. 1/2 Total Fee **less** \$12.50

City/Town share of filing Fee: _____
 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.)

APPENDIX B

Wetland Resource Analysis Report

May 10, 2023

Email (rja@envpartners.com)

Mr. Ryan Allgrove
 Environmental Partners
 1900 Crown Colony Drive, Suite 402
 Quincy, MA 02169

**Re: Wetland Resource Area Analysis Report
 Lower Central Interceptor Improvements Project
 Tide Mill Brook
 Weymouth, Massachusetts**

[LEC File #: EPGI\22-491.01]

Dear Mr. Allgrove:

Pursuant to your request, LEC Environmental Consultants, Inc., (LEC) conducted a site evaluation and Wetland Resource Area boundary determination along a segment of Tide Mill Brook located adjacent to a proposed sewer line slated for replacement. The sewer line and existing conditions are depicted on the *Lower Central Interceptor Improvements Project* plans, prepared by Environmental Partners, dated April 2023.

Our site evaluation was conducted in accordance with the *Massachusetts Wetlands Protection Act* (the *Act*, M.G.L. c. 131, s. 40), its implementing Regulations (the *Act Regulations*, 310 CMR 10.00), the *Weymouth Wetlands Protection Ordinance* (Chapter 7-301 of the Weymouth Code of Ordinances) and Regulations, and the *Federal Clean Water Act* (33 U.S.C. 1344, s.404, the *CWA*) and its *Regulations* (33 CFR and 40 CFR, the *CWA Regulations*). The following report provides a general site description, wetland delineation methodology, and a description of the Wetland Resource Areas and potential regulatory implications.

General Site Description

The project site is located two miles north of Route 3, one mile south of Route 3A, and southeast of Mill Cove within the northwestern portion of Weymouth, Massachusetts. The segment of the sewer line associated with the project extends north from Commercial Street beneath and approximately 200 feet beyond the MBTA Commuter Rail (Greenbush Line) crossing over Tide Mill Brook (Attachment A, Figures 1 and 2). Tide Mill Brook, a perennial stream, extends roughly parallel and adjacent to the sewer line from Commercial Street north for approximately 750 feet at which point the stream turns northeasterly and away from the sewer line. The sewer line is within a fringing Bordered Vegetated Wetland (BVW) system and Salt Marsh associated with Tide Mill Brook.

LEC Environmental Consultants, Inc.				www.lecenvironmental.com
12 Resnik Road Suite 1 Plymouth, MA 02360 508.746.9491	380 Lowell Street Suite 101 Wakefield, MA 01880 781.245.2500	100 Grove Street Suite 302 Worcester, MA 01605 508.753.3077	P. O. Box 590 Rindge, NH 03461 603.899.6726	680 Warren Avenue Suite 3 East Providence, RI 02914 401.685.3109
PLYMOUTH, MA	WAKEFIELD, MA	WORCESTER, MA	RINDGE, NH	EAST PROVIDENCE, RI

The BVW is located between Commercial Street and the terminus of Meeting House Lane where it transitions to Salt Marsh. Salt Marsh system becomes increasingly wide beyond the terminus of Meeting House Lane and up to the steep embankments of the MBTA crossing. The Salt Marsh continues on the north side of the crossing eventually flowing into Weymouth Fore River.

Forested uplands are generally located to the west of the sewer line with scattered single-family dwellings located near Commercial Street and Meeting House Lane. Single family dwellings on Trefton Street are located to the west of the sewer line on the north side of the MBTA crossing along the westerly edge of the Salt Marsh.

Topography in and along the sewer line is generally flat within the BVW and Salt Marsh, with moderate to steep slopes to the west into the forested upland. Steep slopes also extend up and downgradient from the MBTA crossing. A portion of the existing sewer line is contained within an elevated earthen berm measuring approximately 70 feet long by 5 feet wide.

Vegetation observed within the bordering forested uplands include a canopy layer of red oak (*Quercus rubra*), Norway maple (*Acer platanoides*), American beech (*Fagus grandifolia*), and black cherry (*Prunus serotina*). The understory includes a shrub layer containing privet (*Ligustrum sp.*), sweet pepperbush (*Clethra alnifolia*), Russian olive (*Elaeagnus angustifolia*), multiflora rose (*Rosa multiflora*), and Japanese Barberry (*Berberis thunbergii*). The sparse groundcover layer contains patches of garlic-mustard (*Alliaria petiolata*), and wintergreen (*Gaultheria procumbens*). Entanglements of common greenbrier (*Smilax rotundifolia*), common blackberry (*Rubus allegheniensis*), Asiatic bittersweet (*Celastrus orbiculatus*), and poison ivy (*Toxicodendron radicans*) are present throughout the upland portions of the site.

LEC inspected soil conditions within the adjacent upland areas using a hand-held, Dutch-style auger, and observed a variety of upland soils. Within forested scrub-shrub upland, LEC observed a 3-inch thick, fine sandy loam topsoil (A-Horizon) with a soil matrix color of 10YR 2/1, directly underlain by a 12-inch thick, fine sandy loam subsoil (B₁-Horizon), with a soil matrix color of 10YR 3/2, directly underlain by a 10-inch thick, sandy loam subsoil (B₂-Horizon), with a matrix color of 10YR 4/5. No redoximorphic features were observed within the soil profile. These soil profiles are not considered 'hydric' in accordance with the *Field Indicators for Identifying Hydric Soils in New England* (Version 4, May 2020).

Natural Heritage and Endangered Species Program (NHESP) Designation

According to the 15th Edition of the *Massachusetts Natural Heritage Atlas* (effective August 1, 2021) published by the Natural Heritage & Endangered Species Program (NHESP), the Site is not located within *Estimated Habitat of Rare Wildlife* or *Priority Habitat of Rare Species*. No Certified Vernal Pools (CVP) or Potential Vernal Pools (PVP) are mapped on or within the immediate vicinity of the Site (Attachment A, Figure 2).



Floodplain Designation

According to the June 9, 2014, FEMA Flood Insurance Rate Map (FEMA FIRM) for the Town of Weymouth, Norfolk County (*Community Panel 250257 0227*), the majority of the Site is located within a Zone AE (NAVD 88, EL 10.0) – *Special flood hazard areas subject to inundation by the 1% annual chance flood, base flood elevations determined*. The remaining southern portion of the Site is located within a Zone X (unshaded) – *Areas of 2% annual chance flood; areas of 1% annual chance flood with average depths less than 1 foot or within drainage areas less than 1 square mile; and areas protected by levees from 1% annual chance flood* (Appendix A, Figure 3).

Wetland Boundary Determination Methodology

On December 22, 2022, and December 29, 2022, LEC conducted site evaluations to identify and characterize existing protectable Wetland Resource Areas within 100 feet of the project footprint. Based on our observations and review of relevant maps, LEC identified and delineated the Wetland Resource Areas located in proximity to the project footprint, including BVW, Salt Marsh, and Bank-Mean Annual High Water (Bank-MAHW). Land Subject to Coastal Storm Flowage (LSCSF) is present within the project area, but was not delineated in the field since it is based on the FEMA FIRM elevation. Coastal Bank may also be present along the westerly slopes adjacent to the sewer line and the MBTA crossing but was not delineated in the field. Coastal Bank should be delineated in accordance with DEP Program Policy DWW 92-1, *Definition and Delineation Criteria for Coastal Bank* (March 3, 1992).

The extent of BVW was determined through observations of existing plant communities and hydrologic indicators in accordance the Massachusetts Department of Environmental Protection (MassDEP) handbook, *Delineating Bordering Vegetated Wetlands under the Massachusetts Wetlands Protection Act* (September 2022), the *Field Indicators for Identifying Hydric Soils in New England* (Version 4, June 2020), and the criteria set forth in 310 CMR 10.55.

The boundaries of BVW were demarcated in the field with blaze orange surveyor's flagging tape embossed with the words "LEC Resource Area Boundary" in bold, black print. The BVW flags are numbered 1 to 25 and 2-1 to 2-17.

Salt Marsh was identified and demarcated in accordance with criteria set forth at 310 CMR 10.32(2). The boundaries of Salt Marsh (SM) were demarcated in the field with blaze blue surveyor's flagging tape and numbered SM1-SM8.

Bank-MAHW was identified and demarcated along Tide Mill Brook in accordance with criteria set forth at 310 CMR 10.58(2)(a)(2). The Bank-MAHW boundaries were demarcated with blaze blue surveyor's flagging tape and numbered 1-1 to 1-34 (west side) and 2-1 to 2-38 (Attachment B). In the tidal section of the river, Bank-MAHW is the Mean High Water (MHW) elevation as discussed below.

A brief description of the Wetland Resource Areas is provided below.

Bordering Vegetated Wetland (BVW)

According to the *Act Regulations* [310 CMR 10.55(2)], Bordering Vegetated Wetlands are defined as: *freshwater wetlands which border on creeks, rivers, streams, ponds, and lakes...Bordering Vegetated Wetlands are areas where the soils are saturated and/or inundated such that they support a predominance of wetland indicator plants...The boundary of Bordering Vegetated Wetlands is the line within which 50% or more of the vegetational community consists of wetland indicator plants and saturated or inundated conditions exist.*



Photo 1. An easterly view of BVW along Tide Mill Brook.

BVW located onsite is associated with Tide Mill Brook. The moderately dense forested scrub-shrub BVW extends on both sides of the stream heading north from Commercial Street toward the Salt Marsh. The freshwater plant community transitions to *Phragmites* in the central portion of the project area near the landward extent of tidal influence and the Salt Marsh.

Vegetation within the forested scrub-shrub BVW includes a canopy dominated by red maple (*Acer rubrum*), tupelo (*Nyssa sylvatica*), willow (*Salix* sp.), and individual

mature silver maple trees (*Acer saccharinum*). The understory contains saplings from the canopy layer, silky dogwood (*Cornus amomum*), highbush blueberry (*Vaccinium corymbosum*), arrowwood (*Viburnum dentatum*), common reed (*Phragmites australis*), Japanese knotweed (*Fallopia japonica*), multiflora rose, and entanglements of Asiatic bittersweet, common briar, and poison ivy. The groundcover includes garlic mustard (*Alliaria petioloata*), sensitive fern (*Onoclea sensibilis*), cinnamon fern (*Osmundastrum cinnamomeum*), sedges (*Carex* sp.), and rushes (*Juncus* sp.).

LEC inspected soil conditions using a hand-held, Dutch-style auger within the BVWs and generally observed a 20-inch thick, fine sandy loam topsoil (A-Horizon) with a soil matrix color of 10YR 2/1. High-chroma redoximorphic features with a color of 7.5YR 3/4 were observed starting at 5 inches below the mineral soil surface. This soil profile is considered a hydric soil in accordance with *Field Indicators for Identifying Hydric Soils in New England* (Version 4, May 2020), as it meets the indicator *F6: Redox Dark Surface*.

Salt Marsh

Salt Marsh is defined at 310 CMR 10.32 to mean *a coastal wetland that extends landward up to the highest high tide line, that is, the highest spring tide of the year, and is characterized by plants that are well adapted to or prefer living in, saline soils. Dominant plants within salt marshes are salt meadow*

cord grass (Spartina patens) and/or salt marsh cord grass (Spartina alterniflora). A salt marsh may contain tidal creeks, ditches and pools.

The northernmost portion of the Site, which includes both the south and north side of the MBTA crossing, contains extensive Salt Marsh. Vegetation observed within the low marsh was dominated by Salt Marsh cordgrass (*Spartina alterniflora*), while the high marsh is dominated by salt meadow cordgrass (*Spartina patens*), spike grass (*Distichlis spicata*), and sea-blite (*Suaeda maritima*). Other species observed within the high marsh include high-tide bush (*Iva frutescens*), groundsel tree (*Baccharis*



Photo 2. A southerly view Salt Marsh.

halimifolia), sea-side goldenrod (*Solidago sempervirens*), and *Phragmites*. The Salt Marsh includes a portion of the large colony of *Phragmites* that occupies the transitional area between freshwater conditions and tidally influenced saltwater conditions.

Bank-Mean Annual High Water

According to the *Act Regulations*, Bank is the *first observable break in slope or the mean annual flood level, whichever is lower. The lower boundary of a Bank is the mean annual low flow level* [310 CMR 10.54 (2) (c)].

According to the *Act Regulations* [310 CMR 10.58(2)(a)(2)], Mean Annual High Water (MAHW) is defined as *the line that is apparent from visible markings or changes in the character of soils or vegetation due to the prolonged presence of water and that distinguishes between predominantly aquatic and predominantly terrestrial land. Field indicators of bankfull conditions shall be used to determine the mean annual high-water line. Bankfull field indicators include but are not limited to: changes in slope, changes in vegetation, stain lines, top of pointbars, changes in bank materials, or bank undercuts.*

According to the *Act Regulations* [310 CMR 10.58(2)(a)(2)(c)], *In tidal rivers, the mean annual high-water line is coincident with the mean high water line determined under 310 CMR 10.23.*

According to the *Act Regulations*, Mean High Water Line means the *line where the arithmetic mean of the high water heights observed over a specific 19-year metonic cycle (the National Tidal Datum Epoch) meets the shore and shall be determined using hydrographic survey data of the National Ocean Survey of the U.S. Department of Commerce.*

Tide Mill Brook originates in the southern vicinity of the site and flows through a culvert beneath Commercial Street extending north for approximately 1,000 feet before entering a culvert beneath the



Photo 3. A northerly view of Tide Mill Brook.

MBTA crossing and continuing north within the Salt Marsh system.

Bank/MAHW was delineated in the field from Commercial Street to the approximate location at which stream characteristics exhibited tidal influence. From this point, the MAHW line is coincident with the MHW elevation (determined by Environmental Partners to be 11.0).

Stream characteristics vary as Tide Mill Brook extends north through the site.

Within the southern vicinity of the site, extending approximately 300 feet from

Commercial Street, the perennial stream initially meanders through a moderately well-defined stream channel measuring approximately 3-15 feet wide, with Bank heights between 1-2 feet and water depths between 1-1.5 feet. The stream substrate along this vicinity is uniform and consists of a sandy substrate with leaf detritus, as well as rocks and pebbles with small to medium sized boulders interspersed. The Banks are vegetated with the forested scrub-shrub wetland vegetation described above. As Tide Mill Brook extends further north, the stream channel becomes increasingly well defined, conveying flow within Bank contained within dense stands of *Phragmites*. Stream widths range between 3-7 feet, with Bank heights ranging between 2-4 feet high and water depths of 1-3-feet. The stream substrate along this vicinity is uniform and consists of a mucky substrate with leaf detritus, exposed soil, and small boulders embedded along the banks.

Riverfront Area

According to the *Act Regulations* [310 CMR 10.58 2(a)], Riverfront Area is defined as *the area of land between a river's mean annual high-water line and a parallel line measured horizontally 200 feet away.*

Riverfront Area extends 200 feet horizontally from the Bank-MAHW line associated with Tide Mill Brook. Riverfront Area contains BVW, Salt Marsh, and upland areas along the river.

Land Subject to Coastal Storm Flowage

Land Subject to Coastal Storm Flowage (LSCSF) is defined at 310 CMR 10.04 as *land subject to any inundations 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.*

No field delineation was conducted for this resource area. The boundary for LSCSF is taken directly from the FEMA FIRM map by scaling or digitizing the exact line as shown and plotted on the site plan. The FEMA FIRM indicates that the survey area is located within Zone AE (elevation 10.0 NAVD88). As a result, the majority of the site is located within LSCSF (Attachment A, Figure 3).



Summary

LEC delineated the boundaries of BVW, Salt Marsh, and Bank-MAHW in the vicinity of the sewer replacement project referenced as the Lower Central Interceptor Replacement Project in Weymouth. The project area also contains the 100-foot Buffer Zone to BVW and Salt Marsh, Riverfront Area, LSCSF, and potentially Coastal Bank. These Wetland Resource Areas are protected under the *Massachusetts Wetlands Protection Act* (the *Act*, M.G.L. c. 131, s. 40), its implementing Regulations (the *Act Regulations*, 310 CMR 10.00), the *Weymouth Wetlands Protection Ordinance* (Chapter 7-301 of the Weymouth Code of Ordinances) and Regulations, and the *Federal Clean Water Act* (33 U.S.C. 1344, s.404, the *CWA*) and its *Regulations* (33 CFR and 40 CFR, the *CWA Regulations*).

Sincerely,

LEC Environmental Consultants, Inc.

Nathan Goshgarian
Wetland Scientist

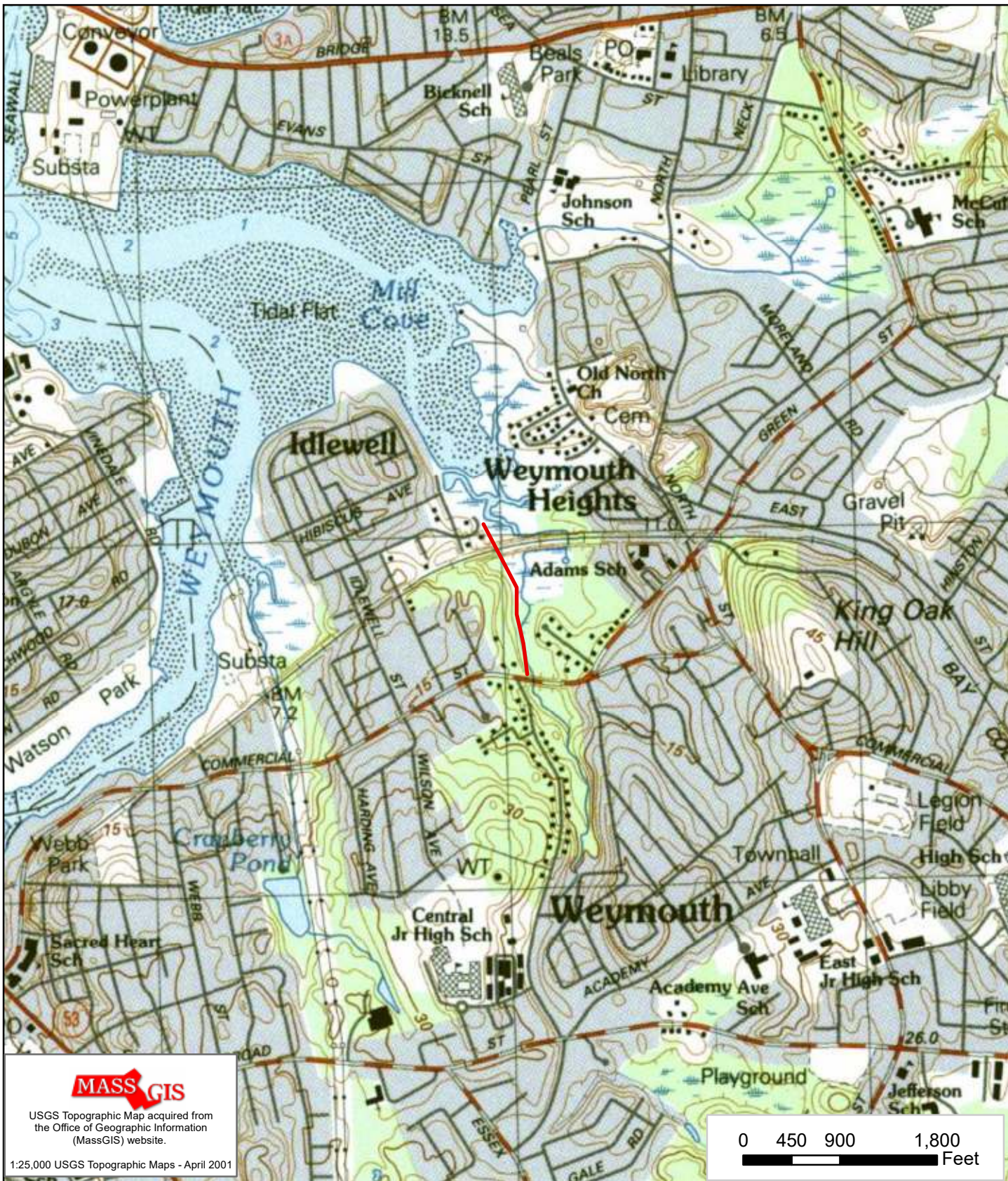
Mark Manganello
Assistant Director of Ecological Services

Attachment A

Figure 1: USGS Topographic Map

Figure 2: Aerial Orthophoto Map

Figures 3: FEMA Flood Insurance Rate Map



LEC Environmental Consultants, Inc.

Plymouth, MA
 508.746.9491
 www.lecenvironmental.com

Figure 1: USGS Topographic Map

Approximate Project Location
 Weymouth, Massachusetts



May 10, 2023

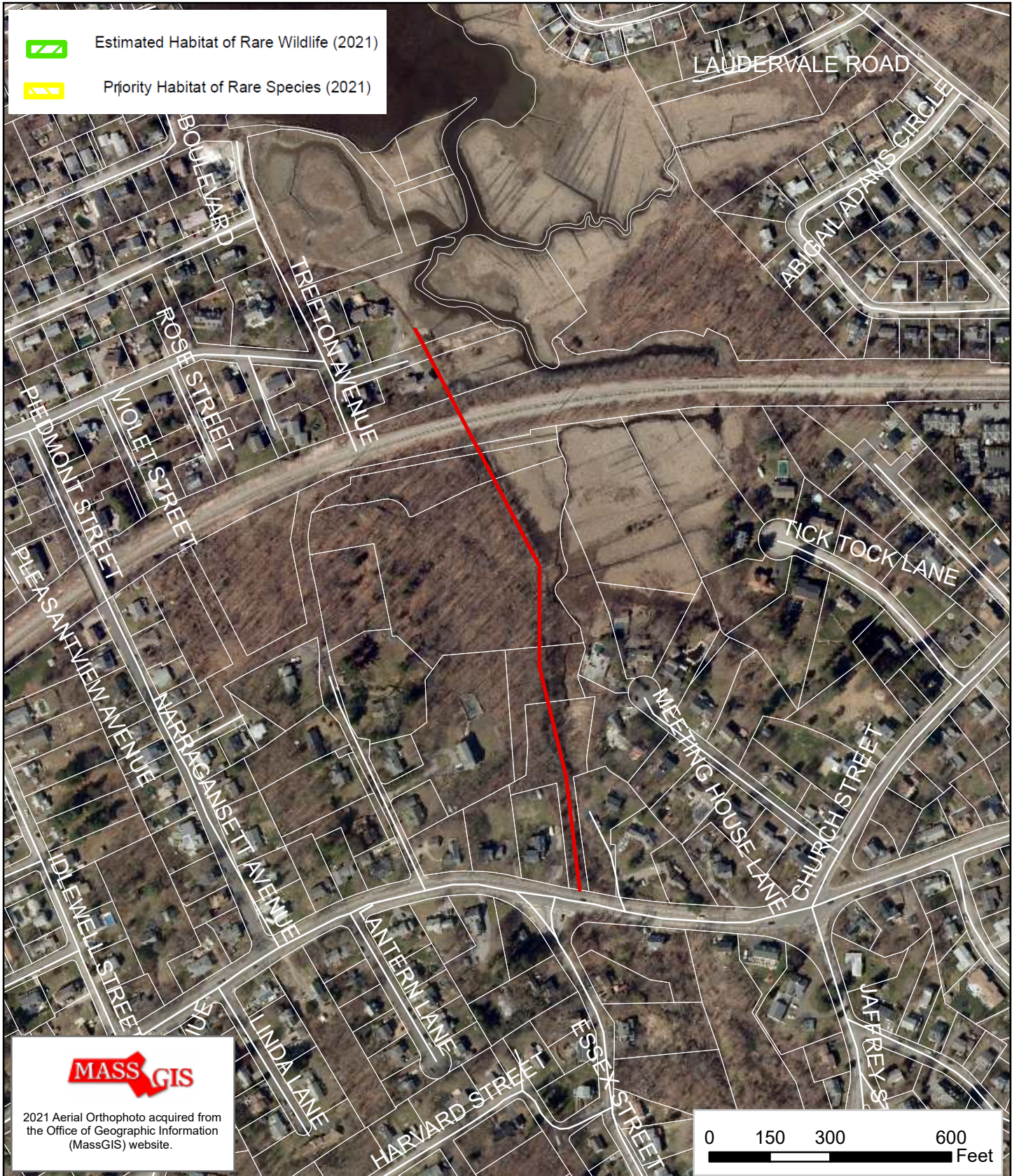
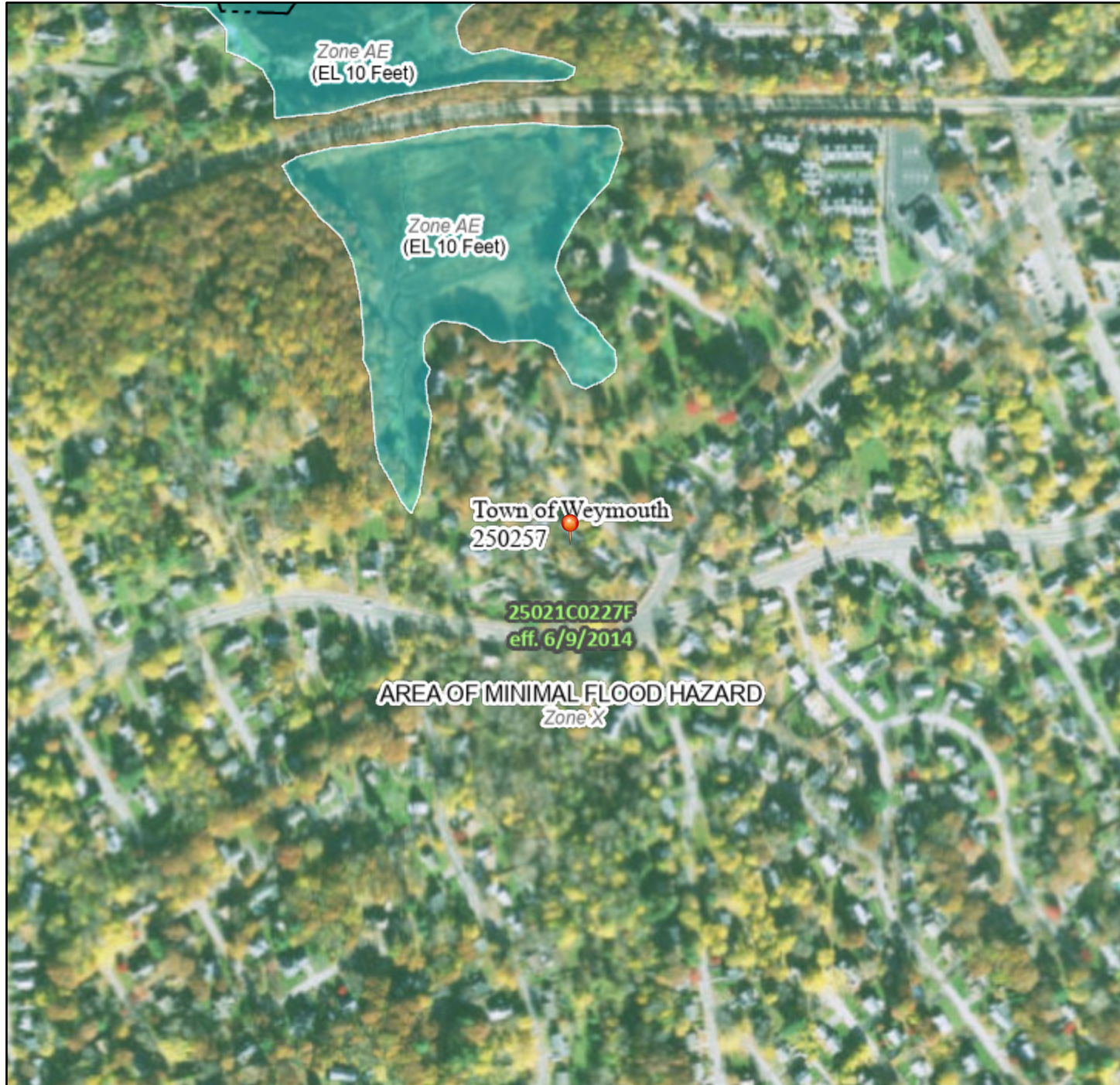


Figure 2: Aerial/NHESP Map
 Approximate Project Location
 Weymouth, Massachusetts

Figure 3: National Flood Hazard Layer FIRMette



70°57'12"W 42°13'52"N



0 250 500 1,000 1,500 2,000 Feet 1:6,000 70°56'35"W 42°13'26"N
 Basemap: USGS National Map: Orthoimagery: Data refreshed October, 2020

Legend

SEE FIS REPORT FOR DETAILED LEGEND AND INDEX MAP FOR FIRM PANEL LAYOUT

SPECIAL FLOOD HAZARD AREAS		Without Base Flood Elevation (BFE) <i>Zone A, V, A99</i>
		With BFE or Depth <i>Zone AE, AO, AH, VE, AR</i>
		Regulatory Floodway
OTHER AREAS OF FLOOD HAZARD		0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile <i>Zone X</i>
		Future Conditions 1% Annual Chance Flood Hazard <i>Zone X</i>
		Area with Reduced Flood Risk due to Levee. See Notes. <i>Zone X</i>
		Area with Flood Risk due to Levee <i>Zone D</i>
OTHER AREAS		NO SCREEN Area of Minimal Flood Hazard <i>Zone X</i>
		Effective LOMRs
GENERAL STRUCTURES		Area of Undetermined Flood Hazard <i>Zone D</i>
		Channel, Culvert, or Storm Sewer
		Levee, Dike, or Floodwall
OTHER FEATURES		20.2 Cross Sections with 1% Annual Chance 17.5 Water Surface Elevation
		Coastal Transect
		Base Flood Elevation Line (BFE)
		Limit of Study
		Jurisdiction Boundary
		Coastal Transect Baseline
MAP PANELS		Digital Data Available
		No Digital Data Available
		Unmapped
		The pin displayed on the map is an approximate point selected by the user and does not represent an authoritative property location.

This map complies with FEMA's standards for the use of digital flood maps if it is not void as described below. The basemap shown complies with FEMA's basemap accuracy standards

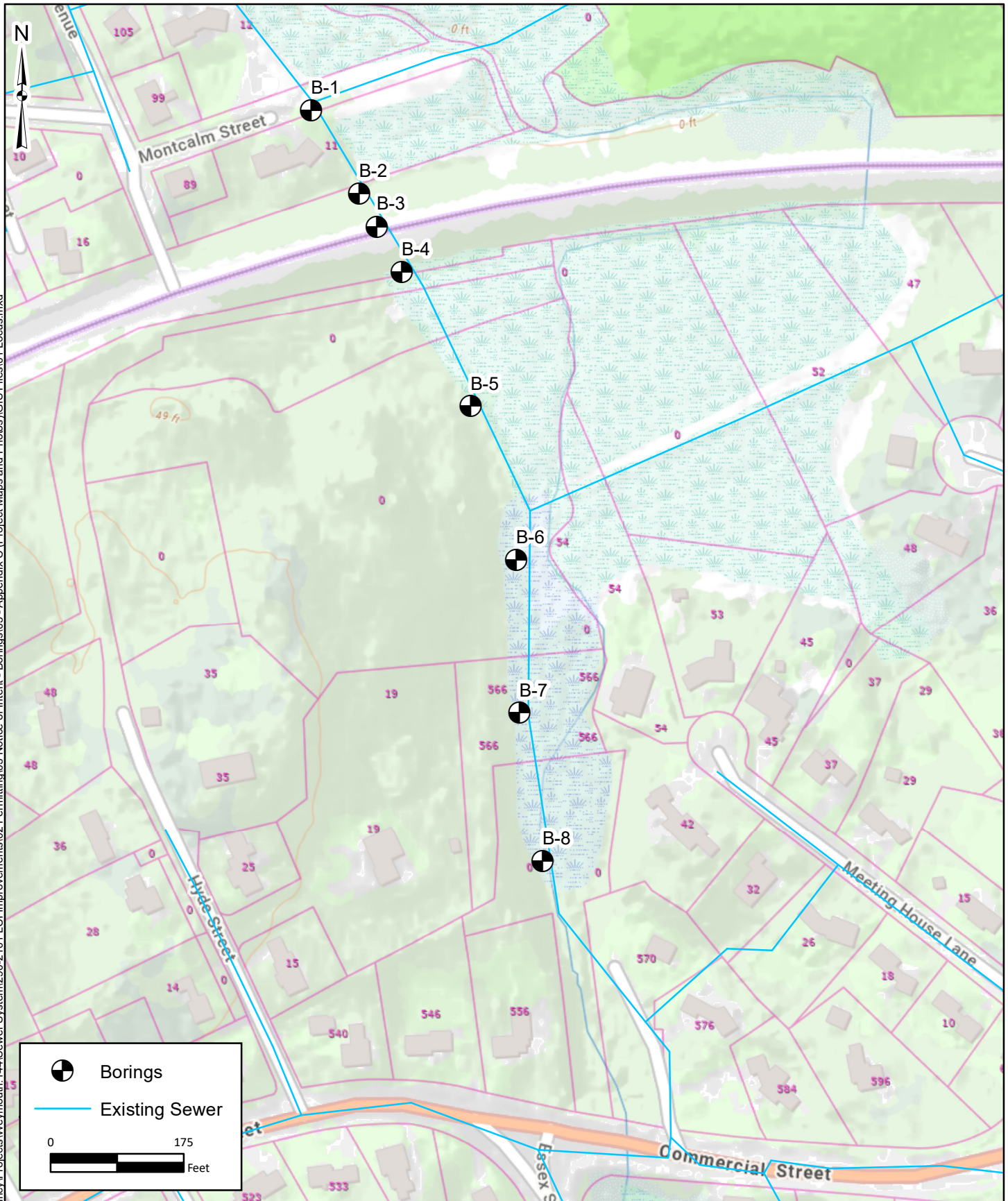
The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on **5/10/2023 at 2:35 PM** and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.




This map image is void if the one or more of the following map elements do not appear: basemap imagery, flood zone labels, legend, scale bar, map creation date, community identifiers, FIRM panel number, and FIRM effective date. Map images for unmapped and unmodernized areas cannot be used for regulatory purposes.

APPENDIX C

Project Maps

\\apexcos.local\Offices\Quincy\Projects\Weymouth_144\Sewer System\290-2101.LCI Improvements\02 Permitting\03 Notices of Intent - Borings\05 - Appendix C (Project Maps and Photos)\GIS Files\01 Locus.mxd



 Borings
 Existing Sewer
 0 175
 Feet

ENVIRONMENTAL PARTNERS
 An Apex Company

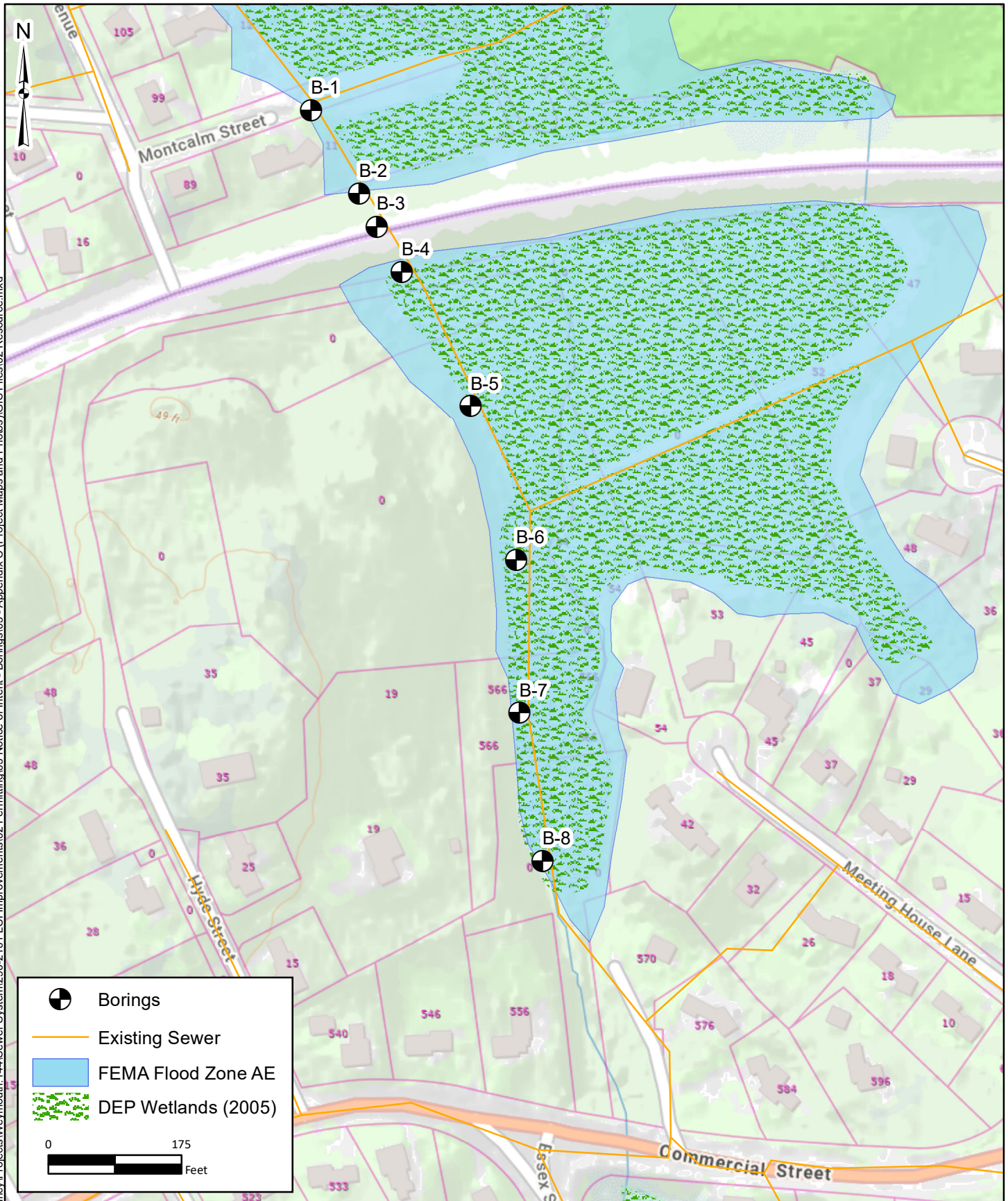






1 in = 175 feet
 May 2023
 Job #: 290-2101

**LCI IMPROVEMENTS
 WEYMOUTH, MA
 PROJECT LOCUS**

Notice of Intent
**FIGURE
 1**

\\apexcos.local\Offices\Quincy\Projects\Weymouth_144\Sewer System\290-2101\LCI Improvements\02 Permitting\03 Notices of Intent - Borings\05 - Appendix C (Project Maps and Photos)\GIS Files\02 Resource.mxd



 Borings
 Existing Sewer
 FEMA Flood Zone AE
 DEP Wetlands (2005)

0 175
 Feet

ENVIRONMENTAL PARTNERS
 An Apex Company

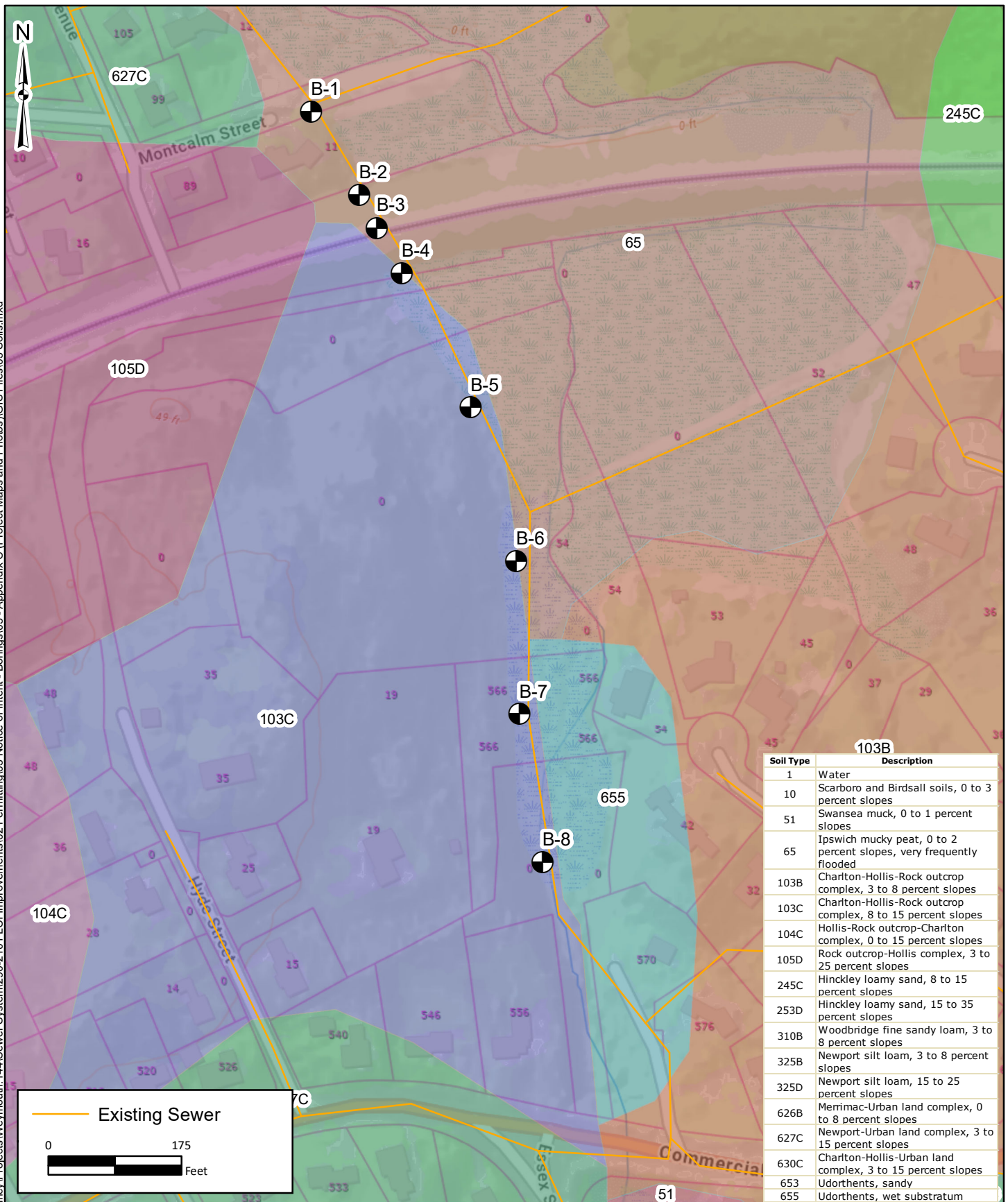


1 in = 175 feet
 May 2023
 Job #: 290-2101

**LCI IMPROVEMENTS
 WEYMOUTH, MA
 RESOURCE AREAS**

Notice of Intent
**FIGURE
 2**

\\apexcos.local\Offices\Quincy\Projects\Weymouth_144\Sewer System\290-2101\LCI Improvements\02 Permitting\03 Notices of Intent - Borings\05 - Appendix C (Project Maps and Photos)\GIS Files\03 Soils.mxd



Soil Type	Description
1	Water
10	Scarboro and Birdsall soils, 0 to 3 percent slopes
51	Swansea muck, 0 to 1 percent slopes
65	Ipswich mucky peat, 0 to 2 percent slopes, very frequently flooded
103B	Charlton-Hollis-Rock outcrop complex, 3 to 8 percent slopes
103C	Charlton-Hollis-Rock outcrop complex, 8 to 15 percent slopes
104C	Hollis-Rock outcrop-Charlton complex, 0 to 15 percent slopes
105D	Rock outcrop-Hollis complex, 3 to 25 percent slopes
245C	Hinckley loamy sand, 8 to 15 percent slopes
253D	Hinckley loamy sand, 15 to 35 percent slopes
310B	Woodbridge fine sandy loam, 3 to 8 percent slopes
325B	Newport silt loam, 3 to 8 percent slopes
325D	Newport silt loam, 15 to 25 percent slopes
626B	Merrimac-Urban land complex, 0 to 8 percent slopes
627C	Newport-Urban land complex, 3 to 15 percent slopes
630C	Charlton-Hollis-Urban land complex, 3 to 15 percent slopes
653	Udorthents, sandy
655	Udorthents, wet substratum

Existing Sewer

0 175 Feet



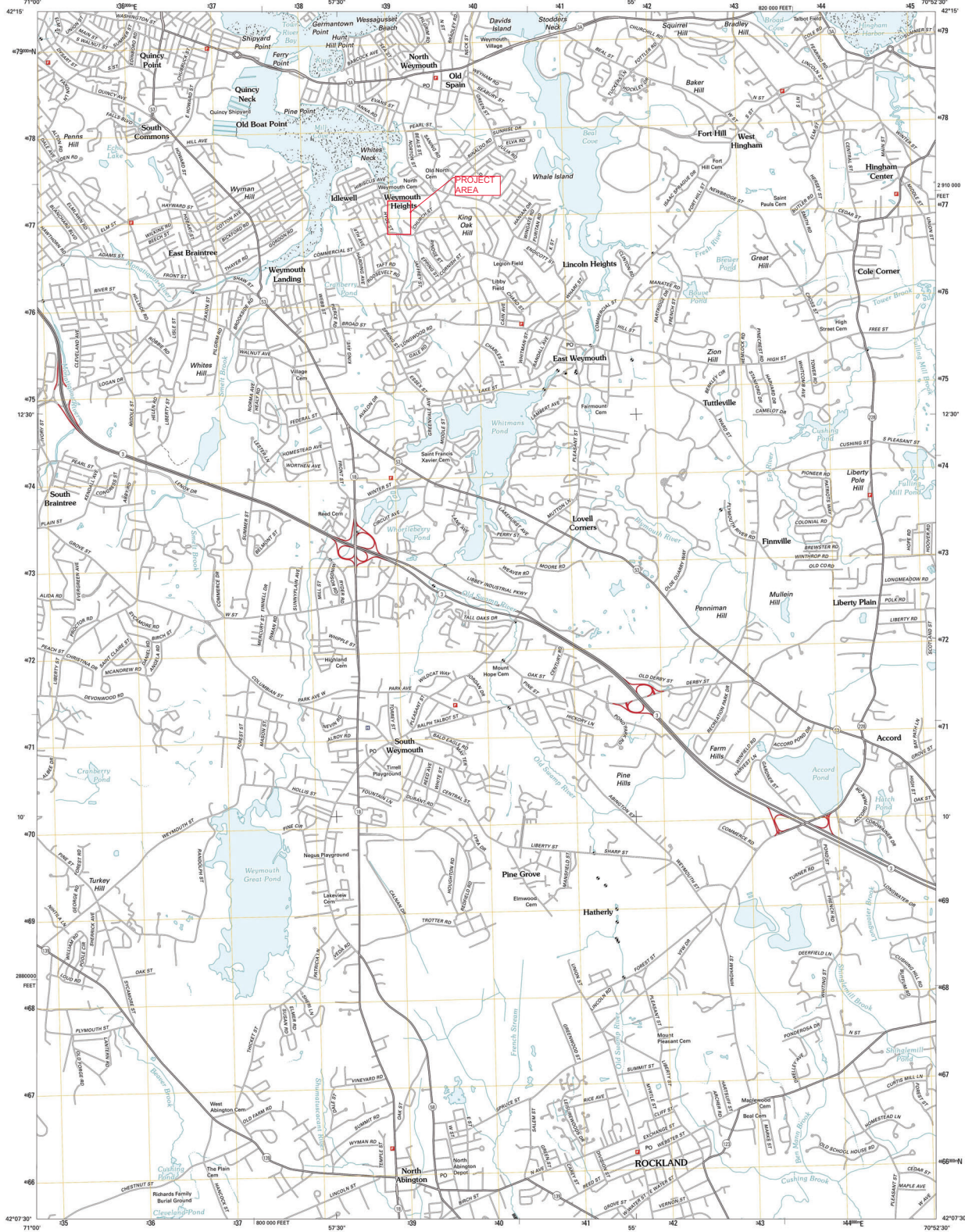
1 in = 175 feet
 May 2023
 Job #: 290-2101

**LCI IMPROVEMENTS
 WEYMOUTH, MA**

SOILS MAP

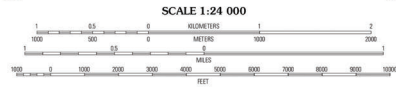
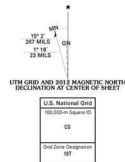
Notice of Intent

**FIGURE
 3**



Produced by the United States Geological Survey
North American Datum of 1983 (NAD83)
World Geodetic System of 1984 (WGS84), Projection and
1,000-meter grid, Universal Transverse Mercator, Zone 18T,
10,000-foot scale, Massachusetts Coordinate System of 1983
(unadjusted scale)

Source: NAD83 August 2010
Roads: ©2006-2011 TomTom
Names: ©2011
Hydrography: National Hydrography Dataset, 2010
Contours: National Elevation Dataset, 2012
Boundaries: Census, BWC, IBC, USGS, 1972-2010



CONTOUR INTERVAL 10 FEET
NORTH AMERICAN VERTICAL DATUM OF 1988

This map was produced to conform with the
National Geospatial Program US Topo Product Standard, 2011.
A metadata file associated with the product is available 0.6.2



QUADRANGLE LOCATION

Boston	Hill	Norfolk
Dorchester	Weymouth	Cohasset
Rockland	Wilmington	Hanson

ROAD CLASSIFICATION

Interstate Route	State Route
US Route	Local Road
Ramp	4WD
Interstate Route	US Route
State Route	

WEYMOUTH, MA
2012

ADJOINING 7.5 QUADRANGLES



Legend

- Existing Sewer
- Proposed Sewer
- - - Access Route
- MBTA Parcel
- Other Parcel
- Building



APPENDIX D

Permitting Design Plans (Bound Separately)

APPENDIX E

Abutter's Information

Town of Weymouth



ABUTTERS LIST ORDER FORM for CONSERVATION COMMISSION

Date: 4/28/2023

1) Subject Identification (Address and Parcel #) 11 Montcalm St., ID 13_131_8_0; 0 Edge St., ID 13_155_28_0
0 Trefton Avenue, ID 13_156_28_0; 556R Commercial St., ID 13_156_38_0; 0 Commercial St., ID 13_156_5_0

- Conservation Commission (all filings)
 Planning Board - Subdivision (Definitive or Preliminary)

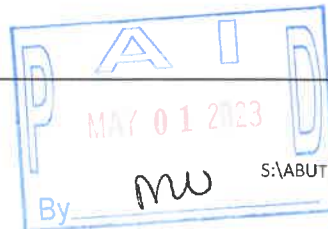
2) Type of filing (check one) Board of Appeals (all applications)
 Licensing Will establishment sell or serve alcohol?
 Town Council

3) Contact Person Sabrina Castaneda, Environmental Partners

4) Telephone Number 617.657.0291

NOTE:

- Abutters List fee is \$15.00; checks are payable to Town of Weymouth . Lists are requested in the Collector's Office , 1st Floor*
- You will be notified when list is ready (usually within a week)
- Completed requests must be picked up in the Conservation Office, 3rd Floor*
*75 Middle Street (Mon-Fri 8:30-4:30)



REV. 01/2018

5/9/2023

PARCEL #	LOCATION	OWNER NAME/ADDRESS	CERTIFIED	
			YES	NO
MAP: 13 BLOCK: 130 LOT: 16 EXT: 0	0 ABIGAIL ADAMS CIR OFF	TOWN OF WEYMOUTH CONSERVATION 75 MIDDLE ST E WEYMOUTH, MA, 02189	<input checked="" type="checkbox"/>	<input type="checkbox"/>
MAP: 13 BLOCK: 156 LOT: 5 EXT: 0	0 COMMERCIAL ST	OFFCAPE PPT, LLC 556 COMMERCIAL ST WEYMOUTH, MA, 02188	<input checked="" type="checkbox"/>	<input type="checkbox"/>
MAP: 16 BLOCK: 158 LOT: 1 EXT: 0	0 COMMERCIAL ST	MBTA - MASSACHUSETTS BAY TRANSORTATION AUTHORITY 10 PARK PLAZA RM 5750 BOSTON, MA, 02116	<input checked="" type="checkbox"/>	<input type="checkbox"/>
MAP: 13 BLOCK: 156 LOT: 51 EXT: 0	546 COMMERCIAL ST	LLOYD THOMAS M & CATHLEEN A TBE 546 COMMERCIAL ST WEYMOUTH, MA, 02188	<input checked="" type="checkbox"/>	<input type="checkbox"/>
MAP: 13 BLOCK: 156 LOT: 52 EXT: 0	556 COMMERCIAL ST	REMSSEN ANNIS T 556 COMMERCIAL ST WEYMOUTH, MA, 02188	<input checked="" type="checkbox"/>	<input type="checkbox"/>
MAP: 13 BLOCK: 156 LOT: 38 EXT: 0	566--REAR COMMERCIAL ST	OFFCAPE PPT, LLC 556 COMMERCIAL ST WEYMOUTH, MA, 02188	<input checked="" type="checkbox"/>	<input type="checkbox"/>
MAP: 13 BLOCK: 156 LOT: 53 EXT: 0	570 COMMERCIAL ST	SINOPLI STEPHEN D & CLEARY KATHLEEN M 570 COMMERCIAL ST E WEYMOUTH, MA, 02189	<input checked="" type="checkbox"/>	<input type="checkbox"/>
MAP: 13 BLOCK: 156 LOT: 56 EXT: 0	576 COMMERCIAL ST	DESMOND DANIEL W JR & HEATHER TBE 576 COMMERCIAL ST WEYMOUTH, MA, 02189	<input checked="" type="checkbox"/>	<input type="checkbox"/>
MAP: 13 BLOCK: 177 LOT: 28 EXT: 0	579 COMMERCIAL ST	SULLIVAN KEVIN J & GRACE A TBE 579 COMMERCIAL ST E WEYMOUTH, MA, 02189	<input checked="" type="checkbox"/>	<input type="checkbox"/>
MAP: 13 BLOCK: 155 LOT: 28 EXT: 0	0 EDGE ST	RYDER DEVELOPMENT CORP 668 BROAD ST #D WEYMOUTH, MA, 02189	<input checked="" type="checkbox"/>	<input type="checkbox"/>

5/9/2023

PARCEL #	LOCATION	OWNER NAME/ADDRESS	CERTIFIED	
			YES	NO
MAP: 13 BLOCK: 155 LOT: 26 EXT: 0	0 EDISON ST	RYDER DEVELOPMENT CORP 668 BROAD ST #D WEYMOUTH, MA, 02189	<input checked="" type="checkbox"/>	<input type="checkbox"/>
MAP: 13 BLOCK: 156 LOT: 4 EXT: 0	19 HYDE ST	WELCH PATRICK J & ANNE L 19 HYDE ST WEYMOUTH, MA, 02188	<input checked="" type="checkbox"/>	<input type="checkbox"/>
MAP: 13 BLOCK: 156 LOT: 18 EXT: 0	35 HYDE ST	RYDER DEVELOPMENT CORP 741 BROAD ST WEYMOUTH, MA, 02189	<input checked="" type="checkbox"/>	<input type="checkbox"/>
MAP: 13 BLOCK: 156 LOT: 59 EXT: 0	55 HYDE ST	GEOLDASIS MARGARET 55 HYDE ST WEYMOUTH, MA, 02188	<input checked="" type="checkbox"/>	<input type="checkbox"/>
MAP: 13 BLOCK: 132 LOT: 10 EXT: 0	0 LILLY ST	MASSACHUSETTS ELECTRIC CO PROPERTY TAX DEPT 40 SYLVAN RD WALTHAM, MA, 02451-2286	<input checked="" type="checkbox"/>	<input type="checkbox"/>
MAP: 13 BLOCK: 132 LOT: 11 EXT: 0	16 LILLY ST	GRAY KYLE & DORI TBE 16 LILLY ST WEYMOUTH, MA, 02188	<input checked="" type="checkbox"/>	<input type="checkbox"/>
MAP: 13 BLOCK: 156 LOT: 47 EXT: 0	0-REAR MEETING HOUSE LN	DIFAZIO KENNETH J & MAUREEN E 53 MEETINGHOUSE LN E WEYMOUTH, MA, 02189	<input checked="" type="checkbox"/>	<input type="checkbox"/>
MAP: 13 BLOCK: 156 LOT: 44 EXT: 0	42 MEETING HOUSE LN	CAMPBELL PAUL G & TRACY A TRS CAMPBELL FAMILY TRUST 231 QUINCY AVE BRAINTREE, MA, 02184	<input checked="" type="checkbox"/>	<input type="checkbox"/>
MAP: 13 BLOCK: 156 LOT: 50 EXT: 0	53 MEETING HOUSE LN	DIFAZIO KENNETH J & MAUREEN E 53 MEETINGHOUSE LN E WEYMOUTH, MA, 02189	<input checked="" type="checkbox"/>	<input type="checkbox"/>
MAP: 13 BLOCK: 156 LOT: 46 EXT: 0	54 MEETING HOUSE LN	GEDZIUN DENNIS G & JANET M TRS GEDZIUN REALTY TRUST 54 MEETING HOUSE LN E WEYMOUTH, MA, 02189	<input checked="" type="checkbox"/>	<input type="checkbox"/>

5/9/2023

PARCEL #	LOCATION	OWNER NAME/ADDRESS	CERTIFIED	
			YES	NO
MAP: 13 BLOCK: 130 LOT: 17 EXT: 0	0 MONTCALM ST	MASSACHUSETTS ELECTRIC CO PROPERTY TAX DEPT 40 SYLVAN RD WALTHAM, MA, 02451-2286	<input checked="" type="checkbox"/>	<input type="checkbox"/>
MAP: 13 BLOCK: 131 LOT: 8 EXT: 0	11 MONTCALM ST	CROSBY RICHARD P & REGINA M 11 MONTCALM ST WEYMOUTH, MA, 02188	<input checked="" type="checkbox"/>	<input type="checkbox"/>
MAP: 13 BLOCK: 131 LOT: 7 EXT: 0	12 MONTCALM ST	GATELY ROBERT V 12 MONTCALM ST WEYMOUTH, MA, 02188	<input checked="" type="checkbox"/>	<input type="checkbox"/>
MAP: 13 BLOCK: 156 LOT: 28 EXT: 0	0 TREFTON AVE	RYDER DEVELOPMENT CORP 668 BROAD ST UNIT D WEYMOUTH, MA, 02189	<input checked="" type="checkbox"/>	<input type="checkbox"/>
MAP: 13 BLOCK: 131 LOT: 9 EXT: 0	89 TREFTON AVE	SCOLARO REVOCABLE TRUST SCOLARO JOSEPH J & MARYANN 89 TREFTON AVE WEYMOUTH, MA, 02188	<input checked="" type="checkbox"/>	<input type="checkbox"/>
MAP: 13 BLOCK: 131 LOT: 6 EXT: 0	99 TREFTON AVE	WISNES JOHN B & CATHIE TBE 99 TREFTON AVE WEYMOUTH, MA, 02188	<input checked="" type="checkbox"/>	<input type="checkbox"/>

This list of abutters is a certified copy of the Town of Weymouth's tax records for fiscal year 2023.
The record of ownership is accurate through November 2022.

Prepared by:  5/9/23

Reviewed by:

CAMPBELL PAUL G & TRACY A TRS
 CAMPBELL FAMILY TRUST
 231 QUINCY AVE
 BRAINTREE, MA 02184

CROSBY RICHARD P & REGINA M
 11 MONTCALM ST
 WEYMOUTH, MA 02188

DESMOND DANIEL W JR & HEATHER
 TBE
 576 COMMERCIAL ST
 WEYMOUTH, MA 02189

DIFAZIO KENNETH J & MAUREEN E
 53 MEETINGHOUSE LN
 E WEYMOUTH, MA 02189

DIFAZIO KENNETH J & MAUREEN E
 53 MEETINGHOUSE LN
 E WEYMOUTH, MA 02189

GATELY ROBERT V
 12 MONTCALM ST
 WEYMOUTH, MA 02188

GEDZIUN DENNIS G & JANET M TRS
 GEDZIUN REALTY TRUST
 54 MEETING HOUSE LN
 E WEYMOUTH, MA 02189

GEOLDASIS MARGARET
 55 HYDE ST
 WEYMOUTH, MA 02188

GRAY KYLE & DORI TBE
 16 LILLY ST
 WEYMOUTH, MA 02188

LLOYD THOMAS M & CATHLEEN A
 TBE
 546 COMMERCIAL ST
 WEYMOUTH, MA 02188

MASSACHUSETTS ELECTRIC CO
 PROPERTY TAX DEPT
 40 SYLVAN RD
 WALTHAM, MA 02451-2286

MASSACHUSETTS ELECTRIC CO
 PROPERTY TAX DEPT
 40 SYLVAN RD
 WALTHAM, MA 02451-2286

MBTA - MASSACHUSETTS BAY
 TRANSPORTATION AUTHORITY
 10 PARK PLAZA RM 570
 BOSTON, MA 02116

OFFCAPE PPT, LLC
 556 COMMERCIAL ST
 WEYMOUTH, MA 02188

OFFCAPE PPT, LLC
 556 COMMERCIAL ST
 WEYMOUTH, MA 02188

REMSEN ANNIS T
 556 COMMERCIAL ST
 WEYMOUTH, MA 02188

RYDER DEVELOPMENT CORP
 741 BROAD ST
 WEYMOUTH, MA 02189

RYDER DEVELOPMENT CORP
 668 BROAD ST UNIT D
 WEYMOUTH, MA 02189

RYDER DEVELOPMENT CORP
 668 BROAD ST #D
 WEYMOUTH, MA 02189

RYDER DEVELOPMENT CORP
 668 BROAD ST #D
 WEYMOUTH, MA 02189

SCOLARO REVOCABLE TRUST
 SCOLARO JOSEPH J & MARYANN
 89 TREFTON AVE
 WEYMOUTH, MA 02188

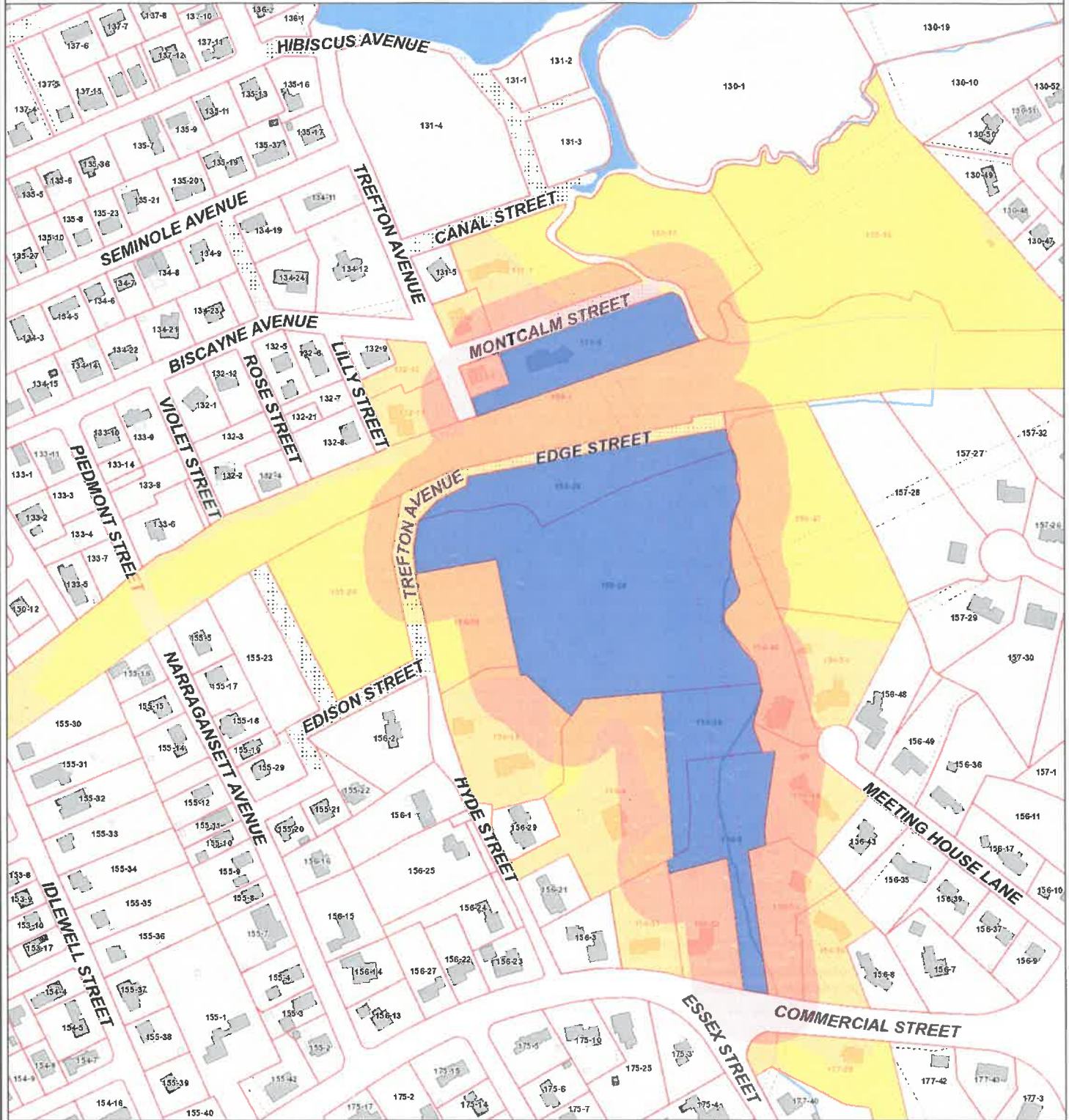
SINOPOLI STEPHEN D &
 CLEARY KATHLEEN M
 570 COMMERCIAL ST
 E WEYMOUTH, MA 02189

SULLIVAN KEVIN J & GRACE A TBE
 579 COMMERCIAL ST
 E WEYMOUTH, MA 02189

TOWN OF WEYMOUTH
 CONSERVATION
 75 MIDDLE ST
 E WEYMOUTH, MA 02189

WELCH PATRICK J & ANNE L
 19 HYDE ST
 WEYMOUTH, MA 02188

WISNES JOHN B & CATHIE TBE
 99 TREFTON AVE
 WEYMOUTH, MA 02188



Easemen

- Assessors Parcels

Buildings

- BUILDING
- DECK
- OTHER
- SHED

Base Map

Roads - Layout

- PUB/PRIV TRAVELWAYS
- PAPER

Hydrography

- Streams
- Ponds / Major Streams

Towns

- Built-Up Areas

1" = 279 ft



DISCLAIMER: ALL DATA IS PROVIDED "AS IS" WITH ALL FEATURES, IF ANY. THE TOWN OF WEYMOUTH EXPRESSLY DISCLAIMS ALL WARRANTIES OF ANY TYPE, EXPRESSED OR IMPLIED, INCLUDING BUT NOT LIMITED TO ANY WARRANTY AS TO THE ACCURACY OF THE DATA, MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.



11 Montcalm Street
Parcel ID: 13_131_8_0

MBTA

0 Edge Street
Parcel ID: 13_155_28_0

0 Trefton Avenue
Parcel ID: 13_156_28_0




566R Commercial Street
Parcel ID: 13_156_38_0

0 Commercial Street
Parcel ID: 13_156_5_0

Hyer St

Commercial St

Legend

-  Subject Parcels
-  Other Parcel
-  Building



APPENDIX F

Stormwater Report

STORMWATER REPORT

To Town of Weymouth Conservation Commission
From Ryan J. Allgrove, P.E., EPG
CC Kenan Connell, Director, Weymouth Department of Public Works
Date: May 10, 2023

Subject Lower Central Interceptor Improvements Project Stormwater Report
Town of Weymouth, MA
WPA Form 3 – Notice of Intent

Environmental Partners Group, LLC (Environmental Partners) has prepared this stormwater report on behalf of the Town of Weymouth for the Wetlands Protection Act Notice of Intent for the Lower Central Interceptor Improvements project. This report has been prepared in accordance with the requirements of 310 CMR 10.00 and 310 CMR 21.00, and the guidelines of the Massachusetts Stormwater Handbook.

Project Description

The aim of this project is to mitigate and eliminate root causes of sanitary sewer overflows (SSOs) in the Montcalm Street area through Improvements to the Lower Central Interceptor Sewer (LCIS). The work includes replacing approximately 1,200 linear feet of the existing 30-inch reinforced concrete interceptor with new 42-inch sewer including crossing of the MBTA railroad. In order to properly design for this work, a geotechnical evaluation must be performed. An additional permit will be filed for construction of the proposed sewer.

Checklist for Stormwater Report

The MassDEP Checklist for Stormwater Report has been included. The Checklist has been stamped and signed by a certified Professional Engineer in the State of Massachusetts.

Stormwater Standard 1: No Untreated Discharges or Erosion to Wetlands

No New Untreated Discharges

No new untreated discharges are proposed.

Erosion to Wetlands from Discharges

There will be no increase in peak runoff. Therefore, no velocity calculations at the discharges have been completed.

Stormwater Standard 2: Peak Rate Attenuation

Stormwater Model

No stormwater models were developed for this analysis. The post peak rate runoff will not increase from pre-existing conditions.

Stormwater Standard 3: Stormwater Recharge

Standard 3 does not apply. The installation of the water main will not result in an increase in impervious area.

Stormwater Standard 4: Water Quality

Standard 4 does not apply. The proposed installation of the water main will not result in a change to stormwater quality.

Stormwater Standard 5: Land Uses with Higher Potential Pollutant Loads

Standard 5 is not applicable.

Stormwater Standard 6: Critical Areas

Standard 6 is not applicable. See GIS figures and the plan set in the NOI.

Stormwater Standard 7: Limited Project

The project is a limited project and is subject to the Stormwater Management Standards only to the Maximum Extent Practical. There will be no change to the existing impervious area.

Stormwater Standard 8: Construction Period Controls

Please refer to the cover letter and the plan set in the NOI for environmental sediment and erosion controls.

Stormwater Standard 9: Operation and Maintenance Plan

The Town of Weymouth will continue to provide operation and maintenance of the surrounding stormwater systems before, during, and after construction of this project. No O&M Plan has been included as part of this report.

Stormwater Standard 10: Illicit Discharges to Drainage System

The Town is covered under the NPDES General Permit for Stormwater Discharges from Municipal Separate Storm Sewer Systems (the MS4 Permit). A copy of the illicit discharge detection and elimination program requirements of the MS4 Permit can be provided upon request.



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 8²
- 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.



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.

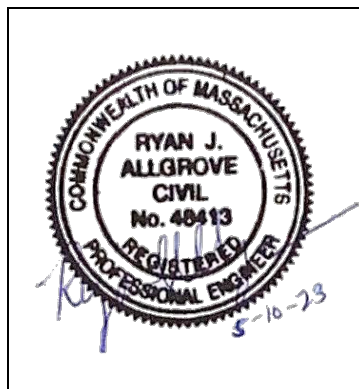
Note: Because stormwater requirements vary from project to project, it is possible that a complete Stormwater Report may not include information on some of the subjects specified in the Checklist. If it is determined that a specific item does not apply to the project under review, please note that the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



Ryan Allgrove

5/10/23

Signature and Date

Checklist

Project Type: Is the application for new development, redevelopment, or a mix of new and redevelopment?

- 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 **No calculation included. See Stormwater Report.**

- 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 **No calculation included. See Stormwater Report.**

- 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 Field¹
- 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.

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



Checklist for Stormwater Report

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 **No calculation included. See Stormwater Report.**

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)

No calculation included. See Stormwater Report.

- 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 No calculation included. See Stormwater Report.

- 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

See Stormwater Report and NOI Erosion and Sedimentation Controls

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 **See Stormwater Report.**

- 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 **Not applicable. See Stormwater Report.**

- 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.

APPENDIX G

Local Notice of Intent Form

**NOTICE OF INTENT
UNDER THE TOWN OF WEYMOUTH
WETLANDS PROTECTION ORDINANCE, CHAPTER 7, SECTION 301**

1. Project Location Montcalm St., Edge St., Trefton Ave., and Commercial St.
2. Town of Weymouth Atlas Reference (Parcel #) Multiple: 13_131_8_0; 13_155_28_0;
13_156_28_0; 13_156_38_0; 13_156_5_0
3. Project Description Subsurface Investigation
4. County, Norfolk: Book N/A Page N/A
5. *Applicant Weymouth Department of Public Works *Telephone# 781-337-5100
6. *Applicant Address 120 Winter Street, Weymouth, MA 02188
7. Property Owner Town of Weymouth
8. Representative Environmental Partners Group Telephone# 617-657-0281
9. Representative's Address 18 Commerce Way, MA, 01801
10. Billing Party for Legal Notice (All info is required):
Name: Environmental Partners Group, LLC
Address: 18 Commerce Way, MA 01801
Home Phone: 617-657-0281 Cell: _____
Email address rja@envpartners.com
11. Has the Conservation Commission received the **original** material **plus six (6) copies** of the Notice of Intent form, 8.5"x11", U.S.G.S. locus and 8.5"x11" sheet clearly showing the proposed site and work in addition to labeled resource areas? YES _____ X _____ NO _____
12. Are the following additional interests relevant to the proposed project? If so, Notice of Intent must include a discussion of these interests. Aesthetics _____ Wildlife _____ Recreation _____
Erosion Control X
13. Have you filed your Local Wetland Fees? State Fees? YES _____ NO _____ N/A _____
14. Have you filed the Abutters' Notification and Affidavit of Service? YES _____ NO _____ X _____

I, THE UNDERSIGNED, HEREBY APPLY FOR A PERMIT PURSUANT TO THE CODE OF ORDINANCES, TOWN OF WEYMOUTH, CHAPTER 7, SECTION 301


Signature

5-11-23
Date

*THE WEYMOUTH CONSERVATION OFFICE WILL SUBMIT THE NECESSARY LEGAL AD, AND THE APPLICANT WILL BE BILLED DIRECTLY BY THE PATRIOT LEDGER. FOR BILLING PURPOSES, THE PATRIOT LEDGER REQUIRES THAT THE TELEPHONE NUMBER SUBMITTED MUST BE THE DIRECT CONTACT NUMBER THAT MATCHES THE NAME AND ADDRESS OF THE APPLICANT, OTHERWISE THE LEGAL AD WILL NOT BE PUBLISHED AND THE HEARING WILL BE DELAYED.



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