



LOWER CENTRAL INTERCEPTOR IMPROVEMENTS

NOTICE OF INTENT WPA FORM 3

MASSDEP TRANSMITTAL NO. X290053

Prepared For:

Town of Weymouth
January 2024



ENVIRONMENTAL
 **PARTNERS**

— An Apex Company —

January 11, 2023

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

**RE: Wetlands Protection Act Notice of Intent
Lower Central Interceptor Improvements
MassDEP Transmittal No. X290053**

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 Weymouth Wetland Protection Ordinance.

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

This NOI is being submitted concurrently to the Massachusetts DEP and the Massachusetts Division of Marine Fisheries (DMF) for review and comment. The content of this NOI application will also be submitted under separate cover to the DEP in support of a BRP WW 10 Major Project Certification for a 401 Water Quality Certification for fill and excavation in wetlands and waterways of Massachusetts. The BRP WW 10 application will be submitted concurrently to the United States Army Corps of Engineers (ACOE) New England District in support of coverage under the ACOE's Massachusetts General Permit for activities within the waters of the United States.

The Town of Weymouth is proposing the replacement of a portion of the existing Lower Central Interceptor (LCI) sewer to address periodic sanitary sewer overflows. The subject segment of the LCI extends north from Commercial Street along Tide Mill Brook and the associated salt marsh and

vegetated wetlands before crossing the MBTA railroad and connecting to the existing sewer at Montcalm Street (total length of approximately 1,150 linear feet). The existing LCI sewer is a 30-inch diameter reinforced concrete gravity sewer constructed in 1949. The proposed LCI replacement is a 42-inch diameter PVC gravity sewer installed in a new alignment that would relocate the sewer from the salt marsh and vegetated wetlands to the buffer zone. A site locus identifying the project area is provided in Appendix C.

This NOI application outlines the following aspects of the project: background; evaluation of alternatives; proposed design; resource area delineation; temporary and permanent resource area impacts; environmental protection; proposed schedule; and regulatory approvals.

Background and Project Description

Most of the Weymouth sewer system was constructed between 1947 and 1980. The system contains approximately 200 miles of sewer lines that are operated and maintained by the Town of Weymouth Sewer Department. The Weymouth sewer system contains approximately 30 pump stations and more than 5,000 manholes. The Town's system is divided into 6 sub-basins that converge flow into 5 main trunk lines (interceptors) that discharge directly into the MWRA system at 11 individual locations. Once entering the MWRA system, flow is directed to the Deer Island Wastewater Treatment Plant through either the Intermediate Pump Station or the Braintree-Weymouth Replacement Pump Station.

In 1998, the Town of Weymouth entered into an Administrative Consent Order (ACO) with the Massachusetts DEP to address overflows and surcharges within the Town's sewer system. The ACO required, among other things, that Weymouth develop a Sanitary Sewer System Assessment Report, a sewer extension and connection plan, and an Infiltration and Inflow (I/I) removal plan. These documents were completed and implemented in 2000. The DPW then initiated a multi-year, sewer Capital Improvement Program (CIP) aimed at preventing inflow and infiltration (I/I) from entering the system, addressing sewer capacity deficiencies, and alleviating the chronic sanitary sewer overflows (SSOs). The CIP was implemented under five individual construction contracts, and the final contract was completed and placed into service in 2006.

The Town's comprehensive approach to improving the wastewater collection system was successful in reducing the occurrence of chronic SSOs and surcharge conditions. However, the Montcalm Siphon and the LCI between Commercial Street and MWRA Discharge at the Newell Park headhouse remained locations of surcharging and nuisance SSO events.

Based on hydraulic evaluations that concluded the nuisance SSOs were related to hydraulic restrictions in the LCI, the Town replaced the LCI from Montcalm Street to the MWRA discharge at the Newell Park headhouse in 2013. The Town is now proposing to replace the last remaining section of 30-inch, reinforced concrete, 1949 sewer. This proposed replacement will connect the 2006 CIP sewer improvements to the 2013 LCI project improvements.

The existing alignment is located within an existing sewer easement that extends primarily through various wetland resource areas including bordering vegetated wetland; salt marsh; inland bank; land underlying water; riverfront area; land subject to coastal storm flowage; and the 100-foot buffer zone of bordering vegetated wetlands. Due to the sensitive resource areas potentially affected by

the replacement of the LCI and the construction challenges presented by the existing alignment, several design alternatives were evaluated prior to selecting the proposed design.



Looking East from the Existing Sewer Alignment STA 3+50



Looking South from the Existing Sewer Alignment STA 3+50

Project Phasing

In order to meet the required funding schedule (ARPA), the project will be implemented in two phases. The first phase will include approximately 800 linear feet of new sewer on the upstream end of the project. The second phase will install the remaining 350 linear feet, including the MBTA railroad crossing. A temporary manhole will be installed (STA 4+87) in the existing sewer to facilitate maintenance of flow in the time period between phases.

Resource Area Delineation

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 project is 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 surveyed locations of the delineation flags and the resource area boundaries related to them are included in the permitting plans provided in Appendix D.

The resource area plans also identify several key regulatory boundaries including the elevations of mean high water (MHW), the 100-year FEMA floodplain, the 200 foot riverfront area, and the 100-foot wetland resource area buffer zone. The Town of Weymouth has its own local vertical datum, which is 5.88 feet above the NGVD29 datum. Elevations identified on the plans are in the Weymouth Datum.

Based on the 1983-2001 epoch tidal data for the National Oceanic and Atmospheric Administration (NOAA) Boston Harbor tidal station (Station ID 8443970), the elevation of mean high water is 5.13 feet NGVD29 or 11.01 feet Weymouth Datum. The elevation of MHW is important in the assessment of potential impacts to wetlands and waterways. The LCI replacement project proposes temporary surface impacts at or below MHW for to facilitate sewer bypass and abandonment of an existing sewer manhole. All excavations are limited to areas upgradient of MHW within the existing sewer easement.

Based on the most recent one-year period (January 9, 2023 – January 9, 2024) of tidal data available and verified by NOAA for the Boston Harbor tide station, the maximum high tide, HTL, was observed on January 23, 2023 at an elevation of 14.88 feet Weymouth Datum. The HTL elevation is important as it establishes the upgradient jurisdictional boundary of the ACOE as it pertains to construction activities within the waters of the United States. As discussed in a subsequent section of this application, a significant portion of the sewer replacement project will require construction and temporary impacts to wetland resource areas at or below the HTL elevation.

Based on the Federal Emergency Management Agency Flood Insurance Rate Map (Community Panel Number 25021CO227F), which is provided as a figure within the LEC report in Appendix B, the subject section of the LCI alignment is located within "Zone AE" that establishes the 100-year flood elevation at 10 feet NAVD88 or 16.95 feet Weymouth Datum. The majority of the existing utility easement is located within the 100-year floodplain. The existing conditions topographic survey was limited to the boundaries of the existing utility easement. Therefore, the location of the 100-year

flood plain is only shown where it was observed within the easement. The 100-year floodplain defines the upper limits of land subject to coastal storm flowage. Due to the presence of the 100-year flood plain outside of the scope (e.g. private property) of the existing conditions topographic survey, the limits of land subject to coastal storm flowage have not been fully delineated. However, as stated above, the majority of the project is located within the 100-yr floodplain and therefore also within land subject to coastal storm flowage. The project does not propose to permanently modify the ground elevations within the 100-year floodplain.

The 200-foot riverfront area is defined as the area of land between the MHW of the Tide Mill Brook (el. 11 Weymouth Datum) and a parallel line located 200 feet away horizontally. The LCI alignment (proposed and existing) is located entirely within the 200-foot riverfront area.

As discussed in the wetland delineation report, the project area is not located within any priority or estimated habitats of any state listed species.

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.

The LCI presents several challenges due to the existing alignment lying within various sensitive wetland resource areas, crossing the Mill Cove Stream, crossing beneath the MBTA commuter rail tracks, crossing and abutting residential properties. The design alternatives evaluated included:

- Maintain existing conditions (“do nothing”);
- Replace the sewer “in-kind” along its existing alignment;
- Replace the sewer in a new alignment within the buffer zone at the base of the upland area to the west of the existing alignment.

Alternative 1 – No Build

The no-build alternative will result in no increase in the Lower Central Interceptor’s current, flowing full capacity of approximately 7 MGD. Critically, 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, nuisance SSO’s will continue to occur during these significant storm events.

The “do nothing” alternative fails to address the periodic SSO issues of the LCI and as a results it was removed from further consideration.

Alternative 2 – Pump Station

A pump station was not considered a feasible alternative due to the on-going operation and maintenance associated with a large sewage pump station. The Town's preference was to maintain a gravity system.

Alternative 3 – Existing Alignment

Replacement of the sewer within the existing sewer alignment was considered as this approach to utility installation typically results in only temporary impacts and minimizes permanent impacts. However, topographic survey of the existing alignment and subsequent plotting of the LCI vertical profile observed the following:

- The existing Interceptor has minimal cover (<1 ft) in several locations including the crossing of Tide Mill Brook.
- When the pipe was installed in 1949, grades were altered to provide adequate cover of the reinforced concrete pipe in several locations.

The required pipe size increase from 30-inch to 42-inch diameter would result in a requirement to "mound" soil over the pipeline to provide minimum allowable cover over the pipe. This would result in the following permanent impacts:

- Filling within the bordering vegetated wetlands and salt marsh;
- Loss of flood storage volume within the 100-yr flood zone;
- Relocation of Tide Mill Brook to accommodate higher permanent grades over the replacement pipe.
- Required 24/7 bypass pumping of the sewer during construction.

Additionally, it is not feasible to construct the MBTA crossing in the existing alignment as the new sewer must be installed via trenchless methods (pipe jacking). The sections of the sewer immediately upstream and downstream of the MBTA property must be installed in a new alignment.

Alternative 4 – Parallel Alignment

EP evaluated the constructability and resource area impacts to relocation of the sewer alignment to the wetland buffer zone located to the west of the existing alignment. The proposed alignment has the following advantages:

- Existing grades along the base of the hill provide adequate cover for the proposed sewer. This allows grades to remain unchanged and avoids loss of any flood storage volume and filling of resource areas.
- The proposed alignment is located outside of the salt marsh and vegetated wetlands, therefore reducing construction impacts to those resource areas in comparison with "in-kind" replacement.

- Long term access for maintenance of the sewer along the proposed alignment is less impactful to the resource areas in comparison to the existing alignment. Upon completion of the new sewer, the existing sewer will be abandoned in place and future disturbance to the salt marsh should be minimized to maintenance of the sewer that crosses from Tick-Tock Lane (STA 6+21).
- Requires bypass pumping only during connection of the proposed sewer to the existing sewer at the upstream and downstream project limits.

Selected Alternative

Although the parallel alignment (Alternative 4) requires removal of existing trees in the buffer zone, this alternative was selected as it minimizes impacts to the salt marsh, bordering vegetated wetlands and Tide Mill Brook. Maintaining the existing alignment would result in permanent impacts that are not economically feasible to mitigate.

Trenchless Installation Evaluation

Directional drilling is a trenchless technology that is used to install utility piping underground when traditional open-cut installation is not feasible. Directional drilling is beneficial when crossing rivers or streams, major highway or transportation corridors, and environmentally sensitive areas. The drilling procedure begins by boring a pilot hole and following a designed profile below and beyond the obstacle to be crossed. When the pilot hole has been bored and the bit emerges in the exit pit, the drill bit is removed. A reamer is placed on the end of the pipe string and pulled back to enlarge the borehole. Generally the reamed hole is about 50% larger than the pipe. Finally the pipeline is pulled into place within the enlarged hole.

Directional drilling is most commonly used to install water mains or utility conduits, but can also be used to install gravity sewer pipe. Installing gravity sewer using directional drilling can be difficult because of the need to maintain a constant slope which greatly reduces the margin of error. Gravity sewer lines designed with minimal slope are the most difficult to install using directional drilling due to the accuracy required to set the inverts. Gravity sewer installation using directional drilling becomes a feasible construction method when larger slopes are present and there is some flexibility with invert elevations.

EP evaluated the feasibility of using directional drilling to avoid physical obstacles along the LCI alignment during construction. The existing LCI alignment is located within low-lying marsh lands and stream beds with mostly flat topography and minimal elevation change. Since the natural slope of the land could not be used in design, the LCI slope was designed using the minimum required slope for gravity sewer systems in. This leaves little flexibility between the upstream and downstream inverts of the sewer line during construction. The prospect of using directional drilling to minimize disturbance to the sensitive resource areas along the existing alignment is appealing, however the minimal slope of the sewer pipe and lack of flexibility with invert elevations greatly reduce the feasibility of this method. Additionally, subsurface explorations conducted in 2023 along the proposed parallel alignment show that ledge removal will be required. Directional drilling, although possible, is not economically feasible for this project.

MBTA Crossing

The largest physical obstacle along the pipeline is the MBTA commuter rail that cross the existing alignment. Typical open-cut trenching is not feasible at this crossing since the rail line must remain in service during the LCI construction activities. Pipe jacking is the required construction method for subsurface rail crossings. Pipe jacking is a non-disruptive method of installing utility tunnels and conduits by thrusting pipes through the ground as controlled excavation is undertaken at the face. A 60-inch diameter steel casing will be pipe jacked under the railroad and the 42-inch sewer will then be installed at the design slope within the casing.

Bypass Pumping

In order to replace the existing LCI, by-pass pumping will be required to handle the daily sewer flows during construction of the connections at the upstream and downstream ends of the project. The pumping system will have the capacity to handle a peak flow rate of 14 MGD. Each project Phase will consist of two bypass setups, at the upstream and downstream connections, respectively. The pumps will be sound attenuated diesel driven self-priming type in order to minimize noise. The pumps will be controlled using level transducers which will vary the engine speed of the pumps to match incoming flow. A containment area will be installed around and under each pump to contain any possible fuel spill during refueling.

Construction Access Alternatives

Access to the LCI alignment between Commercial Street and the MBTA railroad is limited on all sides and challenging for the Town whenever maintenance is required. EP considered three access alternatives for the improvements project as described below.

Access Alternative 1 – Existing Sewer Easement via Commercial Street

The existing sewer easement enters the project area from Commercial Street through the common driveway for #570, #576 & #584 Commercial Street. After the common driveway, the easement crosses Tide Mill Brook before reaching the start of proposed sewer replacement. In order to access the project site from Commercial Street, a new access road would need to be constructed across Tide Mill Brook, including construction of a temporary culvert. This alternative would significantly expand the resource area impacts of the project and elevate the risk for water quality degradation in the brook.

Access Alternative 2 – Existing Sewer Easement via Tick-Tock Lane

The existing sewer easement from Tick-Tock Lane crosses the salt marsh at approximately STA 6+21. Use of this easement for construction access would require construction of an access road through approximately 400 linear feet of salt marsh. This alternative would significantly expand the resource area impacts of the project and elevate the risk for water quality degradation in the brook.

Access Alternative 3 – New sewer easement via future Savannah Drive

Savannah Drive is an approved future subdivision located immediately south of the MBTA railroad and west of the proposed sewer alignment. Access from the proposed subdivision property would require construction of an access road down a steep slope from the west through upland and buffer zone areas. This alternative was selected as it results in the least amount of environmental impacts and also provides an area for construction staging that is located outside any of the resource areas.

The access road will be located in the same general location as the future sewer connection for Savannah Drive so that impacted buffer zone and upland areas are minimized.

Impacts to Resource Areas

Temporary Impacts

The temporary impacts from construction activities to the wetland resource areas have been estimated based on the following restrictions:

- The Contractor's limits of work are defined on Sheets C-7 and C-8 of Appendix D;
- The Contractor's horizontal limit of work over the proposed sewer alignment shall be a maximum of 20 feet wide. Excavation shall not extend beyond MHW (el. 11.0 Weymouth Datum);
- The Contractor's utility trench for the installation of the gravity sewer shall be a maximum of 6 feet wide and of a sufficient depth to allow for installation of the sewer pipe and associated bedding and backfill materials;
- The Contractor's excavation area for each sewer manhole shall be a maximum of 100 square feet (10 feet wide by 10 feet long) and of a sufficient depth to allow for installation of the sewer structures and associated bedding and backfill materials;
- The Contractor shall temporarily install construction mats (i.e. swamp mats) in work areas within the easement to minimize impacts to the ground surface outside of the excavations. All equipment and materials shall be kept on top of construction mats within the sewer easement. The horizontal limits of work shall be established by the erosion and sedimentation controls installed along the downgradient and upgradient edges of the construction mats; and
- The Contractor's work area is subject to various environmental protection measures (e.g. erosion and sedimentation control) and restoration of temporary impacts to resource areas, which are discussed further in subsequent sections of this application.

Based on these restrictions, the proposed LCI replacement project is estimated to have the following temporary impacts to areas located along the existing sewer easement:

1. As shown on Sheets C-1 through and C-8 of Appendix D, the proposed construction limits of work encompasses a total of 46,850 square feet (1.07 acres) that includes the temporary staging area at the location of the future Savannah Drive cul-de-sac.
2. 6,570 square feet (14%) of the total construction area is located within the 100-year floodplain, which also defines the land area subject to coastal storm flowage;
3. 14,040 square feet (30%) of the total construction area is located at or below the HTL (el. 14.88 Weymouth Datum);
4. 4,970 square feet (11%) of the total construction area is located within the delineated wetland resource area including: 4,155 square feet of BVW; 815 square feet of salt marsh;
5. 33,850 square feet (72%) of the total construction area is located within the 100-foot wetland resource area buffer zone;

6. 35,370 square feet (75%) of the total construction area is located within the 200-foot riverfront area. 18,000 square feet (51%) of that area is located within the inner 100-foot riverfront area;
7. The structures and pipe segments scheduled for replacement were installed prior to 1968 and therefore are not considered to be permanent impacts to the waters of the United States; and

The design of the LCI replacement sewer took into account construction within the sensitive resource areas along the easement and where possible the alignment was adjusted to reduce the amount of temporary disturbance to the wetland resource areas. These estimates of temporary wetland resource area impacts are considered to be conservative based on the limit of work restrictions outlined above that will also be specified within the construction contract. All efforts will be made to reduce these impacts further through coordination with the Town's Contractor, Engineer and the Conservation Agent prior to and during construction.

The construction contract will also require the Town's Contractor to provide a wetlands professional to supervise all construction activities specified within the wetland resource areas. The wetlands professional will be tasked with overseeing installation of temporary construction mats, temporary removal of wetlands plants and soils, and the inspection of erosion and sedimentation controls, construction dewatering, and site stabilization and restoration activities for work within the wetland resource areas, buffer zones, and riverfront area.

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.

As outlined in the preceding section and tables, the proposed LCI Replacement Sewer project is located either within the wetland resource area or the adjacent buffer zone and riverfront area. Construction in these types of areas requires a higher level of care to minimize negative impacts to the resource areas. The following measures are proposed for implementation during construction of the LCI Replacement Sewer:

1. The Contractor will be required to place down a bed of straw or salt marsh hay to serve as a marker barrier between existing ground surface and any temporary fill materials (e.g. construction mats, crushed stone, rip rap, etc.) within the limits of work of the sewer alignment;
2. The Contractor will be required to temporarily install construction mats (i.e. swamp mats) on top of existing ground surfaces within the salt marsh and bordering vegetated wetlands to minimize direct contact with the underlying soils and vegetation. The mats will have to be lifted and lowered into place and dragging of mats will be prohibited. Therefore, direct soil disturbance within the resource areas will be limited to those areas where the manhole structures or sewer pipe are scheduled for installation;
3. The Contractor will be required to install erosion and sedimentation controls consisting of wire backed silt fence and coir logs along the upgradient side, downgradient side, and ends of the construction work area. The erosion control lines will establish the horizontal limits of

work between the upland and the resource areas and no work shall be allowed outside of the erosion control lines. All erosion controls shall be removed upon successful completion of the work and stabilization of upland areas. The perimeters of the temporary staging and any construction access points shall also be bounded by erosion and sedimentation controls;

4. In the event that temporary fill is needed to support the construction mats due to variations in the slope of the bank, washed cobbles (3" to 6") shall be temporarily installed on top of the straw marker barrier and brought to an elevation that allows the mats to be leveled as necessary;
5. Disturbed areas shall be stabilized daily to prevent erosion into the wetland resource areas or surface water bodies;
6. Temporary fill and construction mats shall be removed as soon as possible following completion of sewer replacement activities. Disturbed areas shall be restored to pre-construction elevations and conditions;
7. To the extent practicable, trees shall only be cut at ground level and not uprooted unless otherwise authorized;
8. The Contractor shall use only low ground pressure equipment (less than 3 psi) within the wetland resource area sections of the project when construction mats are not suitable;
9. The Contractor shall submit a Construction Period Stormwater Pollution Prevention Plan and Construction Dewatering and Discharge Plan for review and approval by the Conservation Commission prior to the start of construction;
10. Maintenance, storage, and repair of construction equipment shall not be permitted within the limits of the wetland resource areas;
11. Sewer bypass pumps and construction dewatering pumps shall be installed within secondary containment basins at all times. Pumping systems shall be operated and maintained by licensed operators when in use;
12. Discharges from construction dewatering equipment shall be in accordance with all local, state, and federal regulations including, but not limited to conditions outlined in the Order of Conditions, 401 Water Quality Certification, and ACOE Massachusetts General Permit, and NPDES Construction General Permit;
13. Contractor shall comply with any time of year restrictions recommended by the Massachusetts Division of Marine Fisheries;
14. Equipment refueling shall not be permitted within 100-feet of the wetland resource areas or surface water bodies with the exception of pumping systems. Refueling operations shall be supervised at all times;
15. The Contractor shall maintain oil and hazardous material spill prevention and response equipment on-site at all times;

16. The Contractor shall temporarily remove any salt marsh vegetation subject to disturbance within the limits of work including the top 1 foot of underlying soils and set it aside on top of geotextile fabric so that it may be reinstalled in the same location as part of restoration activities for that area.
17. Restoration of wetland resource areas and other disturbed areas shall seek to minimize the spread of invasive species into the restoration areas;
18. The Contractor shall provide a wetlands professional to oversee all construction activities scheduled for within the wetland resource areas of the project.
19. Prior to construction, the Town's Contractor will be required to submit several construction period submittals for review and approval prior to the start of construction activities. These will include:
 - a. Site- Specific Stormwater Pollution Prevention Plan (SWPPP);
 - b. Sewer By-Pass Pumping Plan;
 - c. Construction Dewatering and Discharge Plan;
 - d. Proof of filing NPDES Construction General Permit Notice of Intent;
 - e. Construction submittals for all environmental protection materials and equipment;
 - f. Qualifications of proposed Wetlands Professional; and
 - g. Wetland Resource Area Stabilization and Restoration Plan.

Stormwater Management

This NOI submission includes a Stormwater Report (Appendix F)

Proposed Project Schedule

The LCI Sewer Replacement Project's proposed completion schedule is as follows:

- Filing of Local, State and Federal Permit applications – Winter 2024
- Completion of design and preparation of bid documents – Spring 2024
- Public Bidding of Construction Contract – Summer 2024
- Begin Construction of LCI Sewer Replacement – Fall 2024
- Complete Construction of LCI Sewer Replacement – Spring 2025
- Inspection and Maintenance of restored wetland resource areas – 2025 - 2027

Regulatory Approvals

This NOI is being submitted concurrently to the Massachusetts DEP and the Massachusetts Division of Marine Fisheries (DMF) for review and comment. The content of this NOI application will also be submitted under separate cover to the DEP in support of a BRP WW 10 Major Project Certification for a 401 Water Quality Certification for fill and excavation in wetlands and waterways of Massachusetts. The BRP WW 10 application will in turn be submitted concurrently to the United States Army Corps of Engineers (ACOE) New England District in support of coverage under the Massachusetts General Permit for activities within the waters of the United States.

The Massachusetts Historical Commission (MHC) and Wampanoag Tribe of Gay Head will be notified of the project in accordance with General Condition 7 of the Massachusetts General Permit.

On December 29, 2023, the Massachusetts Environmental Protection Act (MEPA) Office formally responded to the Town of Weymouth's October 13, 2023 Request for Advisory Opinion in reference to the LCI Sewer Replacement Project. The MEPA Office determined that the project was not subject to further MEPA review as the Project does not meet or exceed MEPA review thresholds at 301 CMR 11.03.

In accordance with the Massachusetts Wetlands Regulations and Town of Weymouth Wetlands Protection Ordinance, the property owners located within 100 feet of the existing sewer easement as have been notified of the submittal of this Notice of Intent. A copy of the public notice and certified abutters list are included in Appendix E. The property owners of Delivery confirmation cards shall be provided to the Commission on the date of the public hearing. A notice of the public hearing shall be published in a local newspaper prior to the date of the public hearing. Proof of publication for the Notice of Intent public hearing and BRP WW 10 application will be provided after publication in the Patriot Ledger.

Summary

The Town of Weymouth Department of Public Works is proposing to address the hydraulic conditions that contribute to Sanitary Sewer Overflows along the Lower Central Interceptor sewer. The project is in keeping with the DPW's commitment to improving the Town's sewer system by addressing SSO conditions and removal of I/I.

The project proposes to replace approximately 1,150 linear feet of 30" reinforced concrete gravity sewer with a 42" PVC gravity sewer in a new alignment that will relocate the sewer from the salt marsh and bordering vegetated wetlands, into the buffer zone on the western side of the Tide Nill Brook resource area. In addition to the construction of the replacement sewer, the project will include environmental protection measures, sewer by-pass pumping, construction dewatering and discharge, stabilization and restoration of disturbed wetland resource areas, salvage and restoration of salt marsh vegetation and wetland soils, and restoration of private and public property and appurtenances.

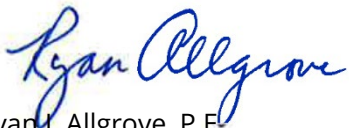
The project's limits of work are almost entirely located either within the wetland resource area, its associated 100-foot buffer zone, or the 200-foot riverfront area. The construction related impacts to

wetlands resource areas, buffer zones, and riverfront area are temporary in nature and the project intends to restore all disturbed areas to pre-construction elevations and conditions, with the exception of tree clearing along the new alignment. The project will require additional regulatory approval including a 401 Water Quality Certification, coverage under the ACOE's Massachusetts General Permit, coverage under the NPDES Construction General Permit, and approvals from Division of Marine Fisheries and various historical agencies.

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.

Principal

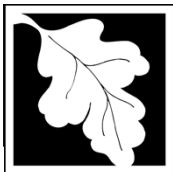
P: 617.657.0281

E: rja@envpartners.com

CC: Kenan Connell, Director of Public Works, Town of Weymouth
Department of Environmental Protection – Southeast Regional Office
Division of Marine Fisheries – North Shore Office

APPENDIX A

DEP TRANSMITTAL FORM AND WPA FORM 3 – NOTICE OF INTENT



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

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
 f. Assessors Map/Plat Number g. Parcel /Lot Number

2. Applicant:

a. First Name b. Last Name
Town of Weymouth Department of Public Works
 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
 h. Phone Number i. Fax Number j. Email Address

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

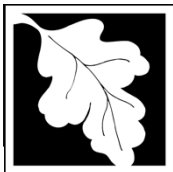
Ken Ryder
 a. First Name b. Last Name
Ryder Development Corp.
 c. Organization
847 Washington St
 d. Street Address
Weymouth MA 02189
 e. City/Town f. State g. Zip Code
(781) 335-9562
 h. Phone Number i. Fax Number j. Email address

4. Representative (if any):

Ryan Allgrove
 a. First Name b. Last Name
Environmental Partners Group, LLC
 c. Company
1900 Crown Colony Drive, Suite 402
 d. Street Address
Quincy MA 02169
 e. f. State g. Zip Code
617-657-0281 617-657-0201 rja@envpartners.com
 h. Phone Number i. Fax Number j. Email address

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

N/A - Exempt
 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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Provided by MassDEP:

MassDEP File Number

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Weymouth
City/Town

A. General Information (continued)

6. General Project Description:

This project includes the installation of approximately 1,300 linear feet of 42-inch sewer to replace an existing 1,150 linear feet of sewer in an effort to eliminate sanitary sewer overflows into environmentally sensitive areas. The project will include pipe jacking under an existing MBTA railroad. See cover letter for additional information.

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

b. Certificate # (if registered land)

N/A

N/A

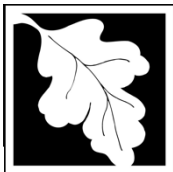
c. Book

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.



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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 checked="" type="checkbox"/> Bank	45 1. linear feet	45 2. linear feet
b. <input checked="" type="checkbox"/> Bordering Vegetated Wetland	33,850 1. square feet	33,850 2. square feet
c. <input checked="" type="checkbox"/> Land Under Waterbodies and Waterways	475 1. square feet 0 3. cubic yards dredged	475 2. square feet

Resource Area	Size of Proposed Alteration	Proposed Replacement (if any)
d. <input checked="" type="checkbox"/> Bordering Land Subject to Flooding	6,570 1. square feet 0 3. cubic feet of flood storage lost	6,570 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: 35,370
square feet

4. Proposed alteration of the Riverfront Area:

<u>35,370</u>	<u>18,000</u>	<u>17,370</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 checked="" type="checkbox"/> Salt Marshes	815	815
	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

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**

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*

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

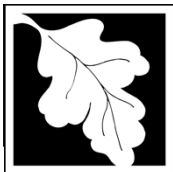
2. Assessor's Map or right-of-way plan of site

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 <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 - Bourne to Rhode Island border, and
the Cape & Islands:

North Shore - Plymouth 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

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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.

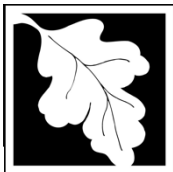
D. Additional Information

- 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.



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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

January 2024

c. Signed and Stamped by

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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Provided by MassDEP:

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F. Signatures and Submittal Requirements

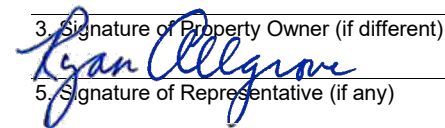
I hereby certify under the penalties of perjury that the foregoing Notice of Intent and accompanying plans, documents, and supporting data are true and complete to the best of my knowledge. I understand that the Conservation Commission will place notification of this Notice in a local newspaper at the 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

1/10/24

2. Date

3. Signature of Property Owner (if different)

5. Signature of Representative (if any)

4. Date

1/10/24

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:

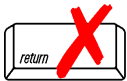
If the applicant has checked the "yes" box in any part of Section C, Item 3, above, refer to that section and the Instructions for additional submittal requirements.

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.



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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
 b. City/Town
 N/A N/A
 d. Fee amount

2. Applicant Mailing Address:

a. First Name Weymouth Department of Public Works b. Last Name
 c. Organization 120 Winter Street
 d. Mailing Address
Weymouth MA 02188
 e. City/Town f. State g. Zip Code
781-337-5100 781-335-3283 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).



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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
Sewer	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

LEC ENVIRONMENTAL CONSULTANTS INC. WETLAND MEMORANDUM



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 Bordering Vegetated Wetland (BVW) system and Salt Marsh associated with Tide Mill Brook.

Table with 5 columns: Location, Address, City, State, ZIP, Phone, Website. Rows include Plymouth, MA; Wakefield, MA; Worcester, MA; Rindge, NH; and 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 petiolata*), 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 (*Distichilis 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

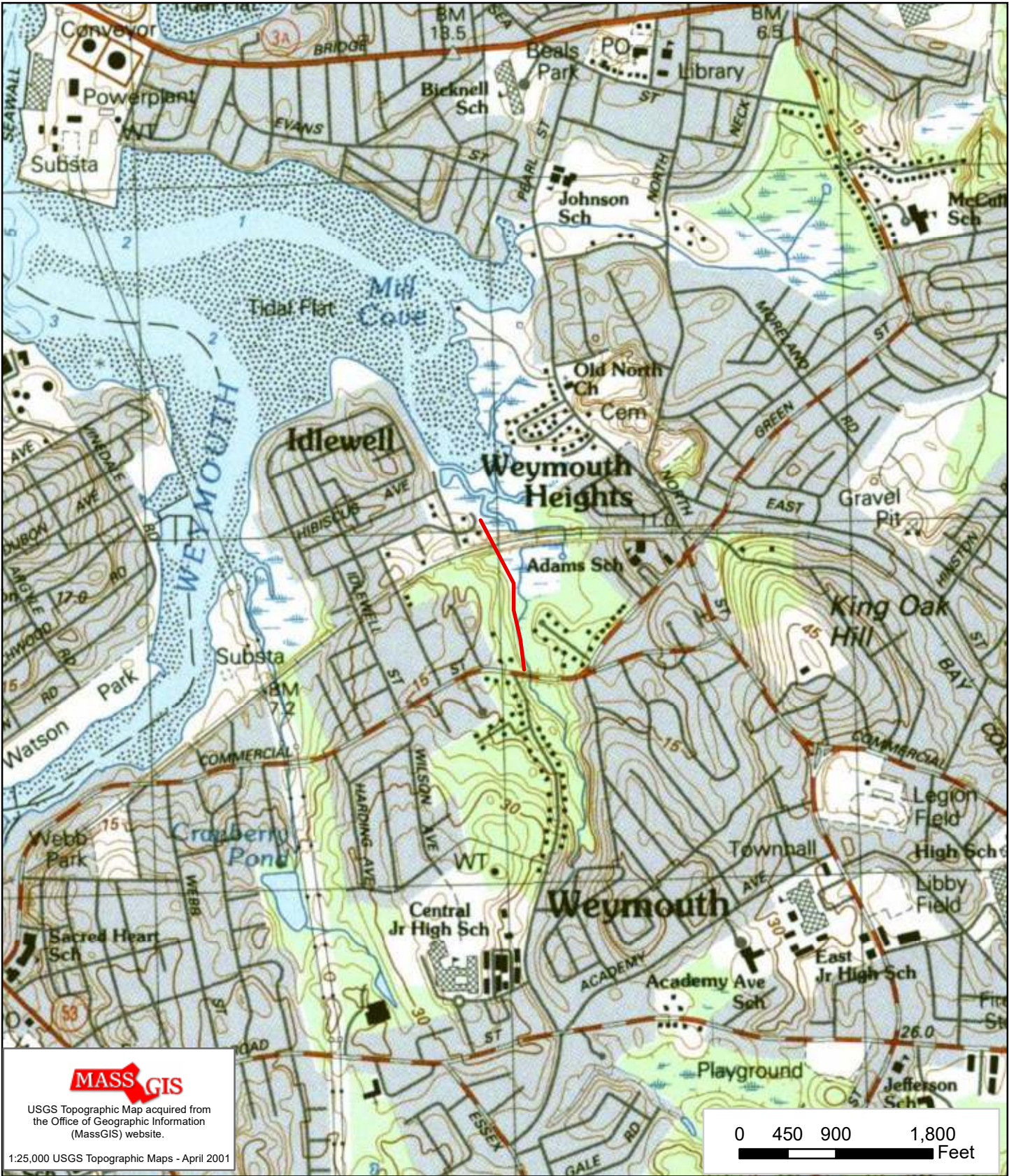
Mark Manganello
Assistant Director of Ecological Services

Attachment A

Figure 1: USGS Topographic Map

Figure 2: Aerial Orthophoto Map

Figures 3: FEMA Flood Insurance Rate Map



LEC Environmental Consultants, Inc.

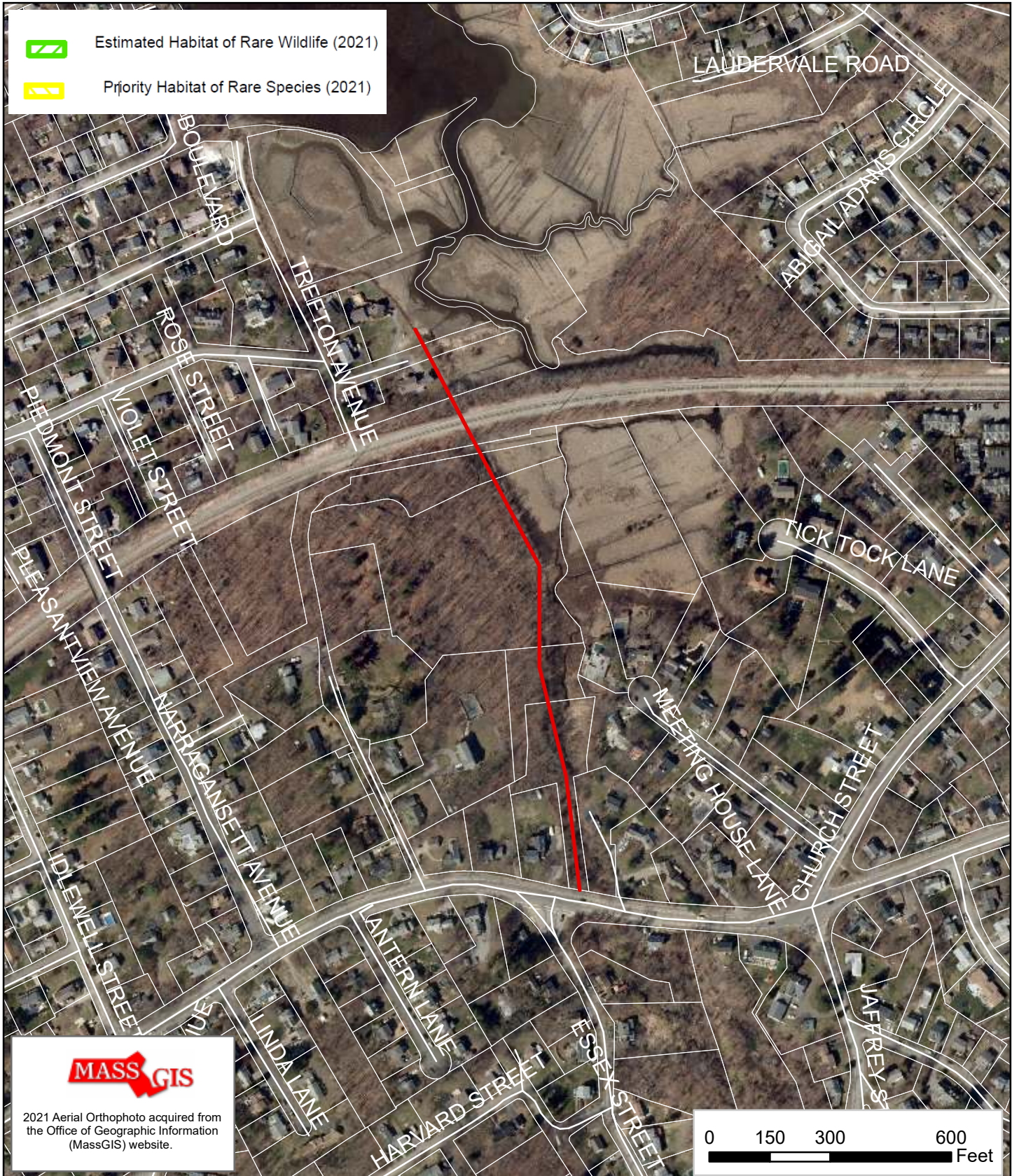
Plymouth, MA
 508.746.9491
 www.lecenvironmental.com

Figure 1: USGS Topographic Map

Approximate Project Location
 Weymouth, Massachusetts



May 10, 2023



MASS GIS

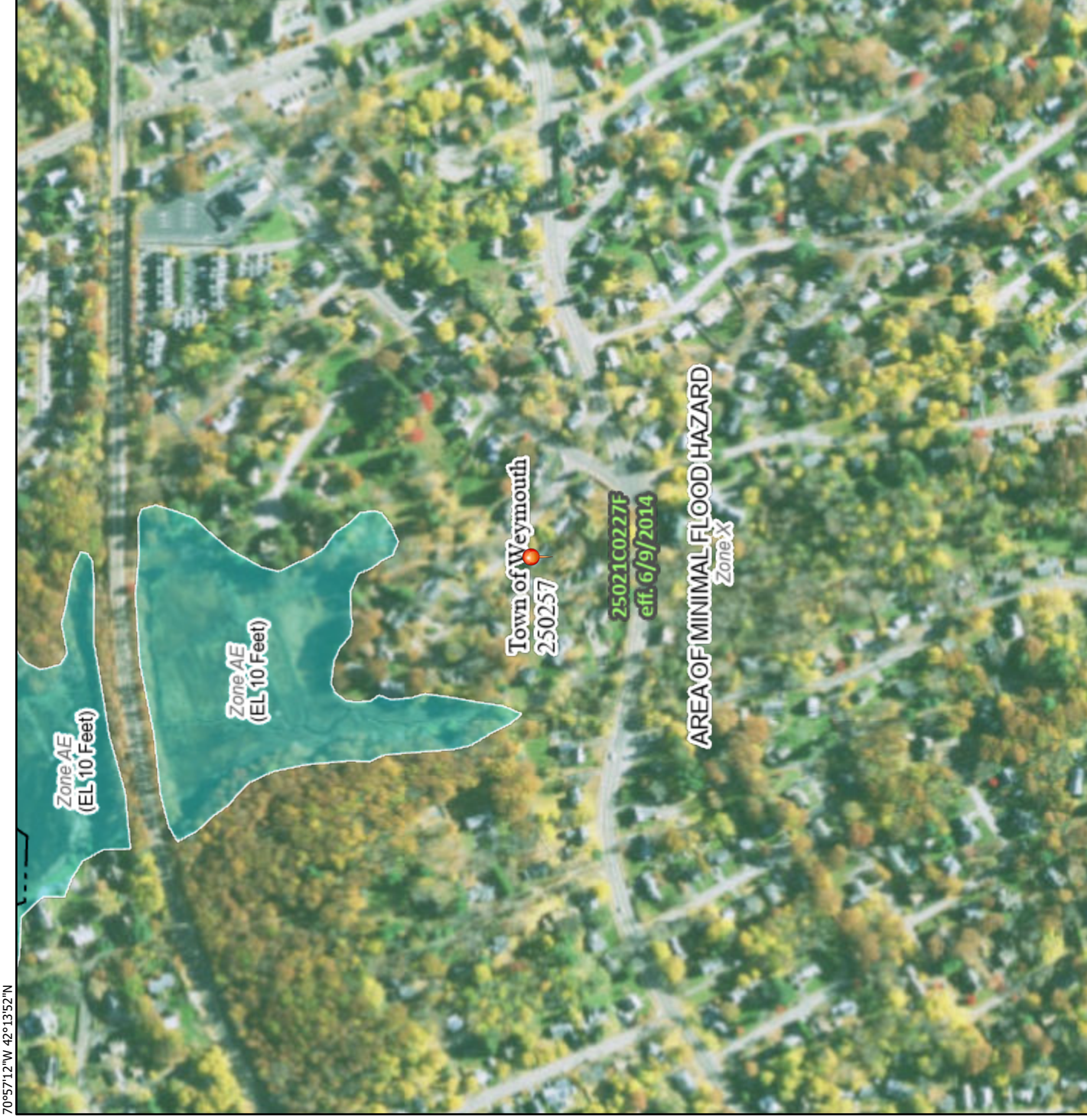
2021 Aerial Orthophoto acquired from the Office of Geographic Information (MassGIS) website.

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
 Basemap: USGS National Map; Orthoimagery: Data refreshed October, 2020

70°56'35"W 42°13'26"N

Legend

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

SPECIAL FLOOD HAZARD AREAS

- Without Base Flood Elevation (BFE)
Zone A, V, A99
- With BFE or Depth *Zone AE, AO, AH, VE, AR*
- 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 *Zone X*
- Future Conditions 1% Annual Chance Flood Hazard *Zone X*
- Area with Reduced Flood Risk due to Levee. See Notes. *Zone X*
- Area with Flood Risk due to Levee *Zone D*

OTHER AREAS

- Area of Minimal Flood Hazard *Zone X*
- Effective LOMRMs
- Area of Undetermined Flood Hazard *Zone D*

GENERAL STRUCTURES

- Channel, Culvert, or Storm Sewer
- Levee, Dike, or Floodwall

OTHER FEATURES

- Cross Sections with 1% Annual Chance Water Surface Elevation
- Coastal Transect
- Base Flood Elevation Line (BFE)
- Limit of Study
- Jurisdiction Boundary
- Coastal Transect Baseline
- Profile Baseline
- Hydrographic Feature

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.

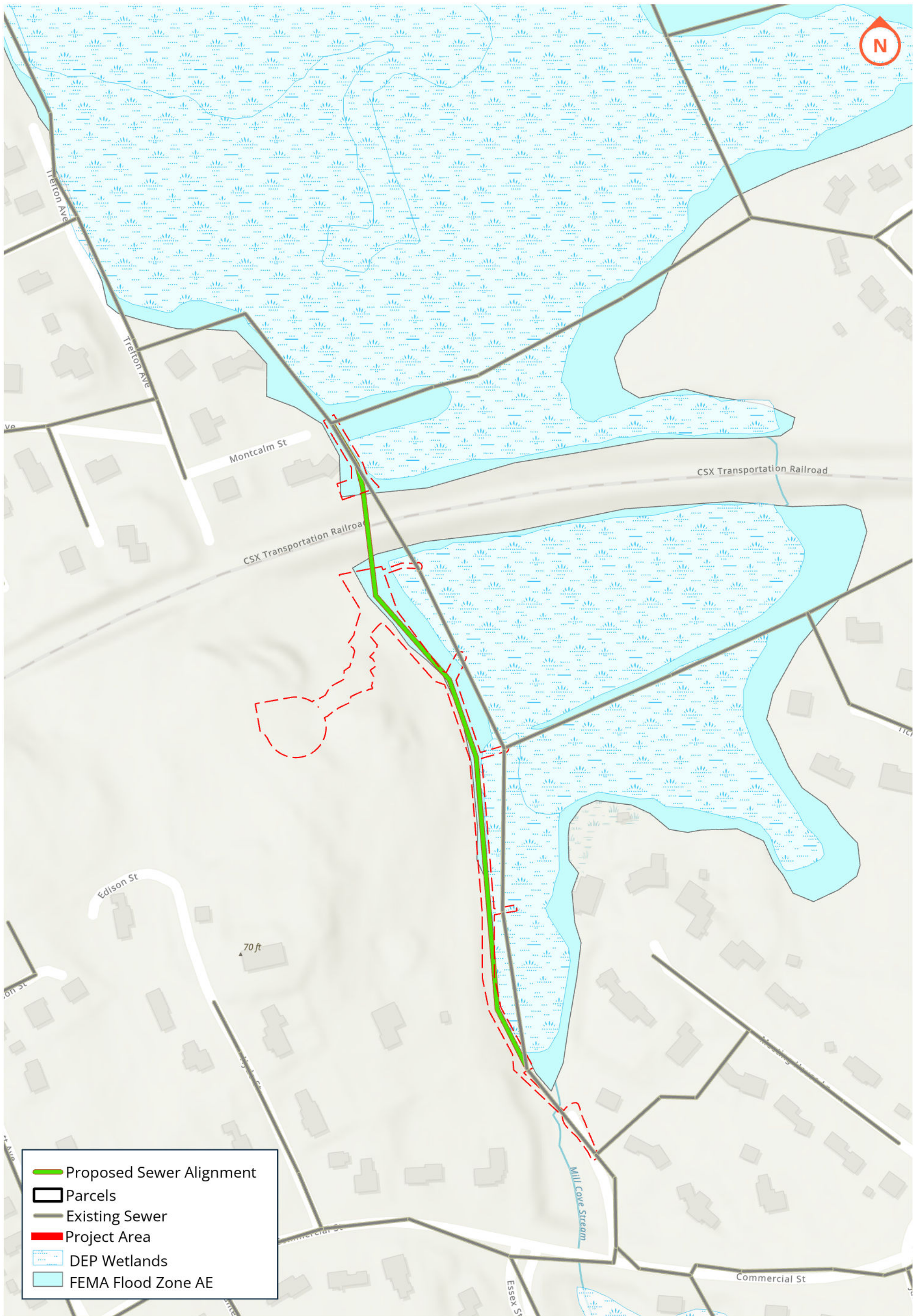
APPENDIX C

GIS MAPPING: LOCUS MAP; FEMA FLOOD ZONES; SOIL MAP AND LEGEND



- Proposed Sewer Alignment
- Parcels
- Existing Sewer
- - - Project Area





- Proposed Sewer Alignment
- Parcels
- Existing Sewer
- Project Area
- DEP Wetlands
- FEMA Flood Zone AE

Figure #2

LCI Improvements Project

Resource Areas

Weymouth, MA

January 2023



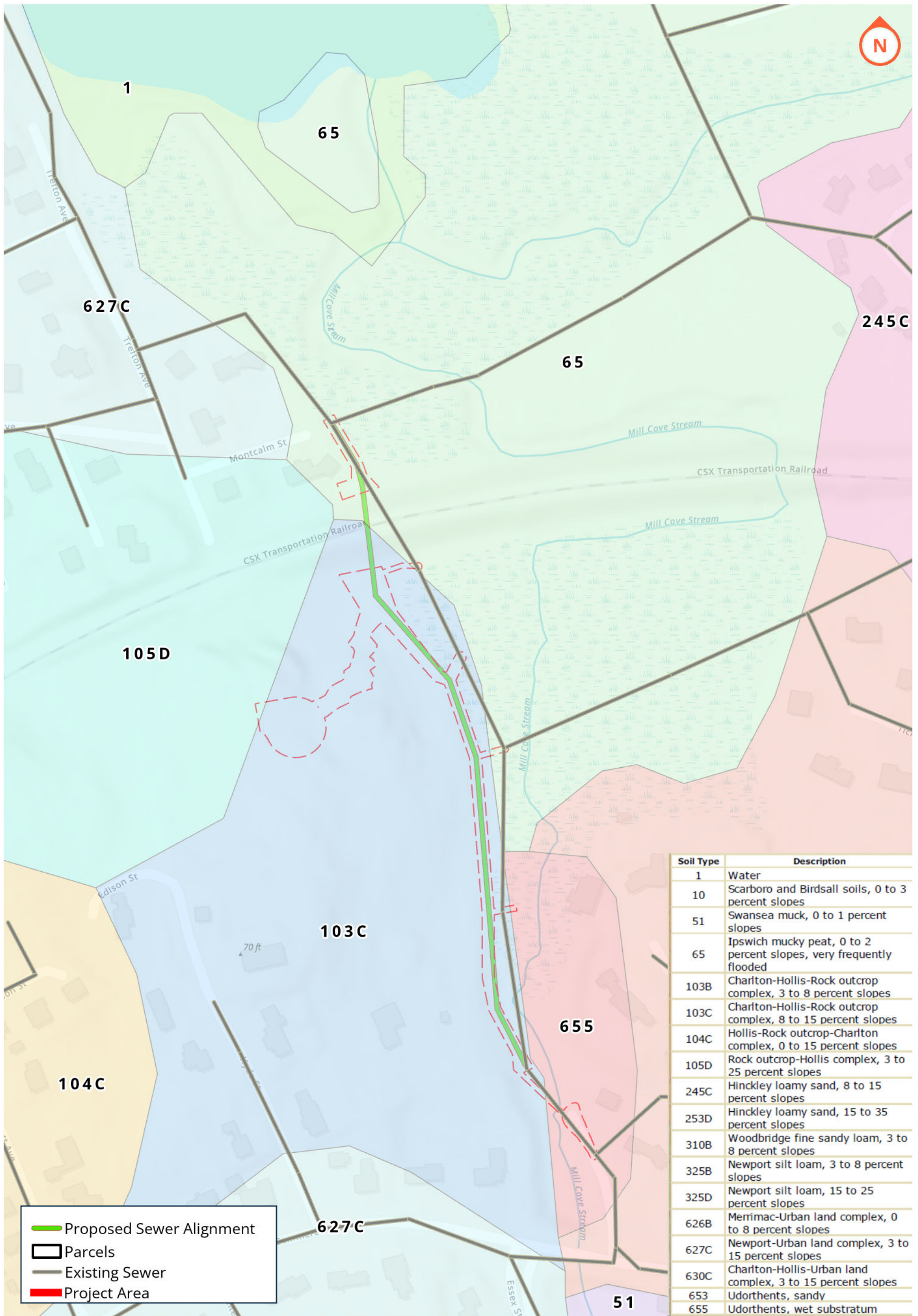
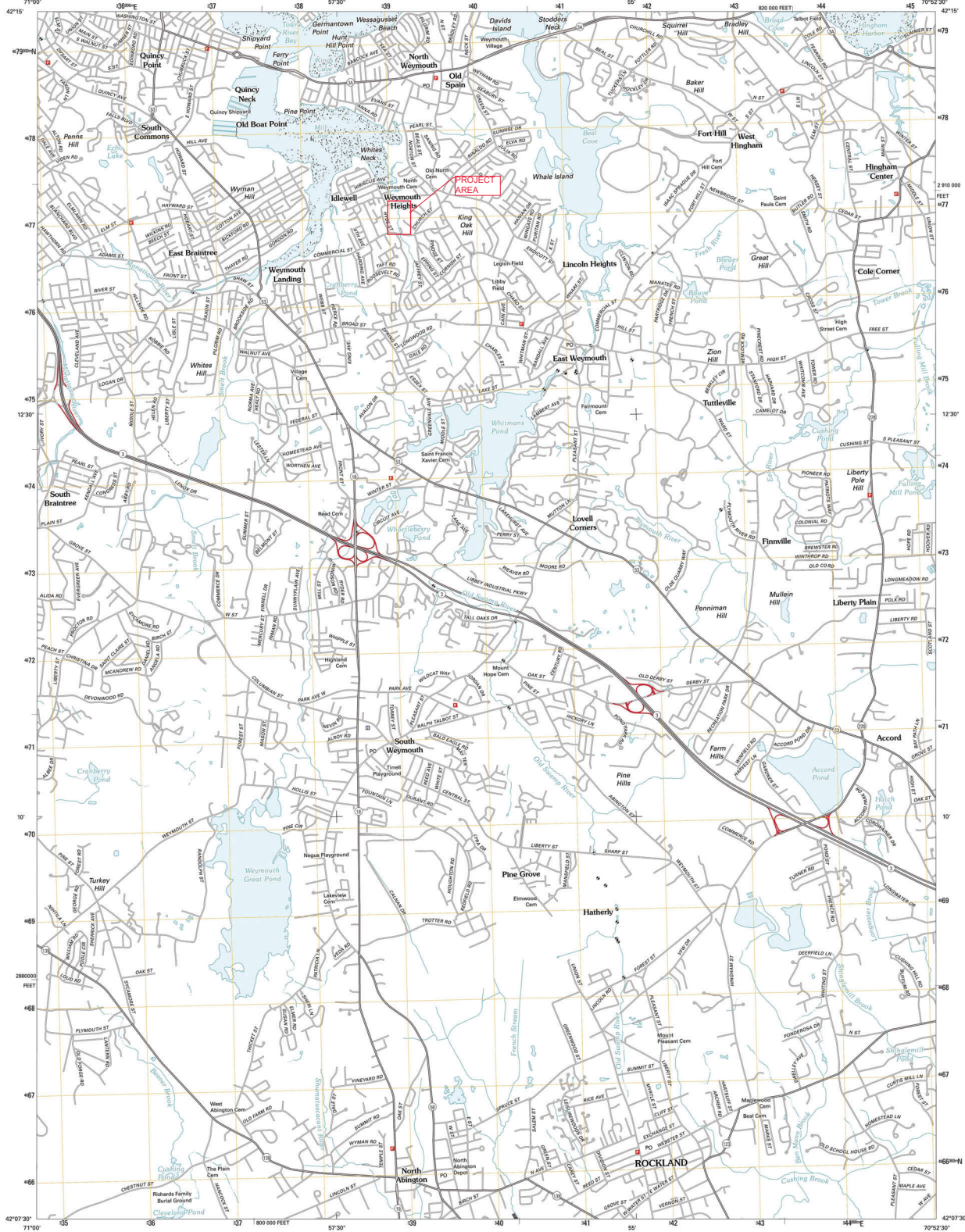


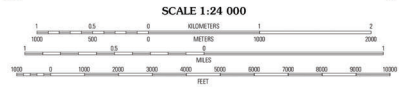
Figure #3
 LCI Improvements Project
 Soils Map
 Weymouth, MA
 January 2023



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
(modified scale)

UTM GRID AND 2011 MAGNETIC NORTH
DECLINATION AT CENTER OF SHEET

UTM Zone	18T
UTM Easting	297 000
UTM Northing	4 712 000
UTM Datum	WGS 84
UTM Spheroid	WGS 84
UTM Projection	UTM



QUADRANGLE LOCATION

Boston	Hill	Norfolk
Dorchester	Weymouth	Essex
Mattapan	Weymouth	Essex
Rockland	Weymouth	Hanson

ROAD CLASSIFICATION

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

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 on the USGS website.

WEYMOUTH, MA
2012

ADJOINING 7.5 QUADRANGLES

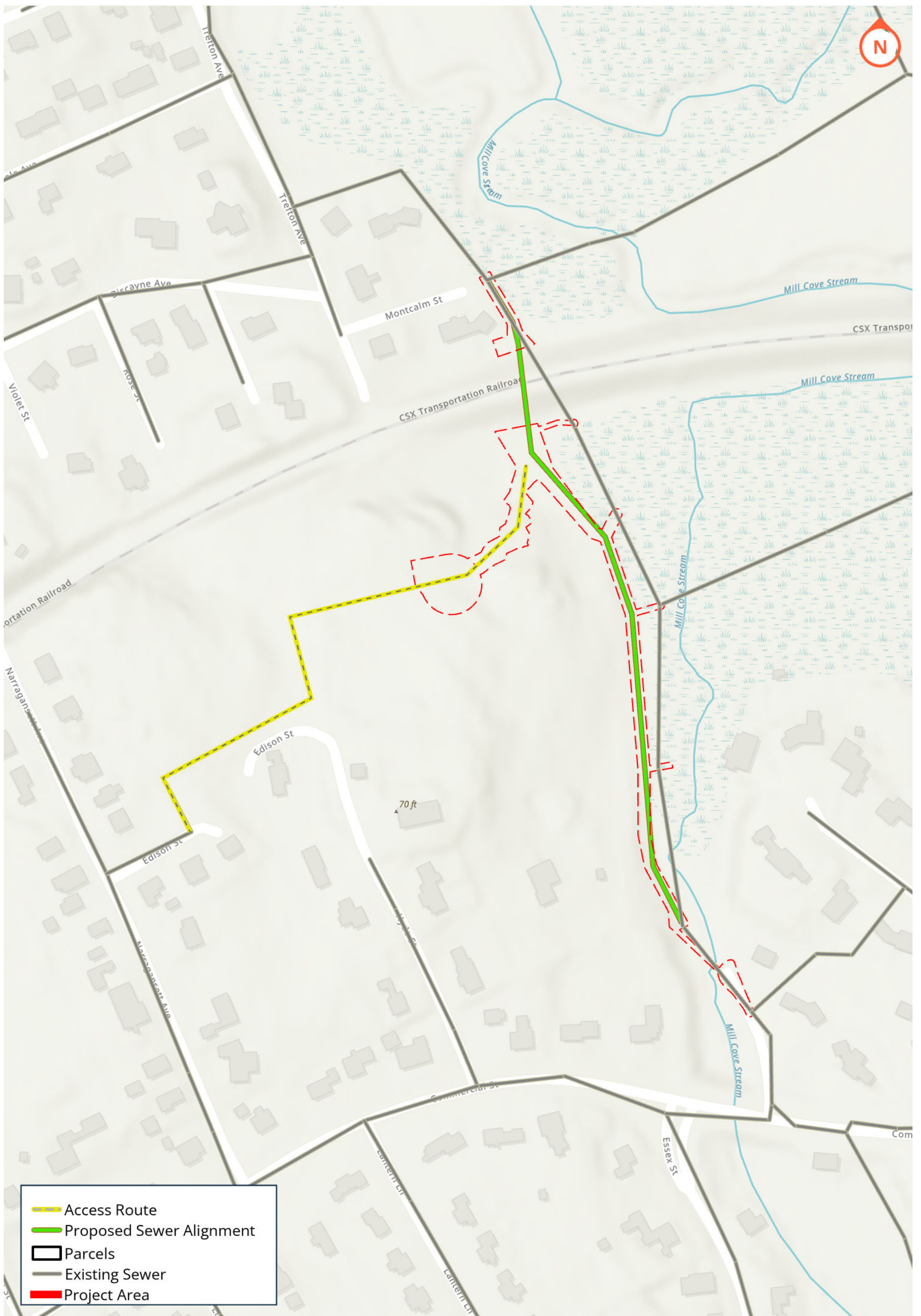


Figure #5

LCI Improvements Project
Proposed Access Route

Weymouth, MA
January 2023



— An Apex Company —

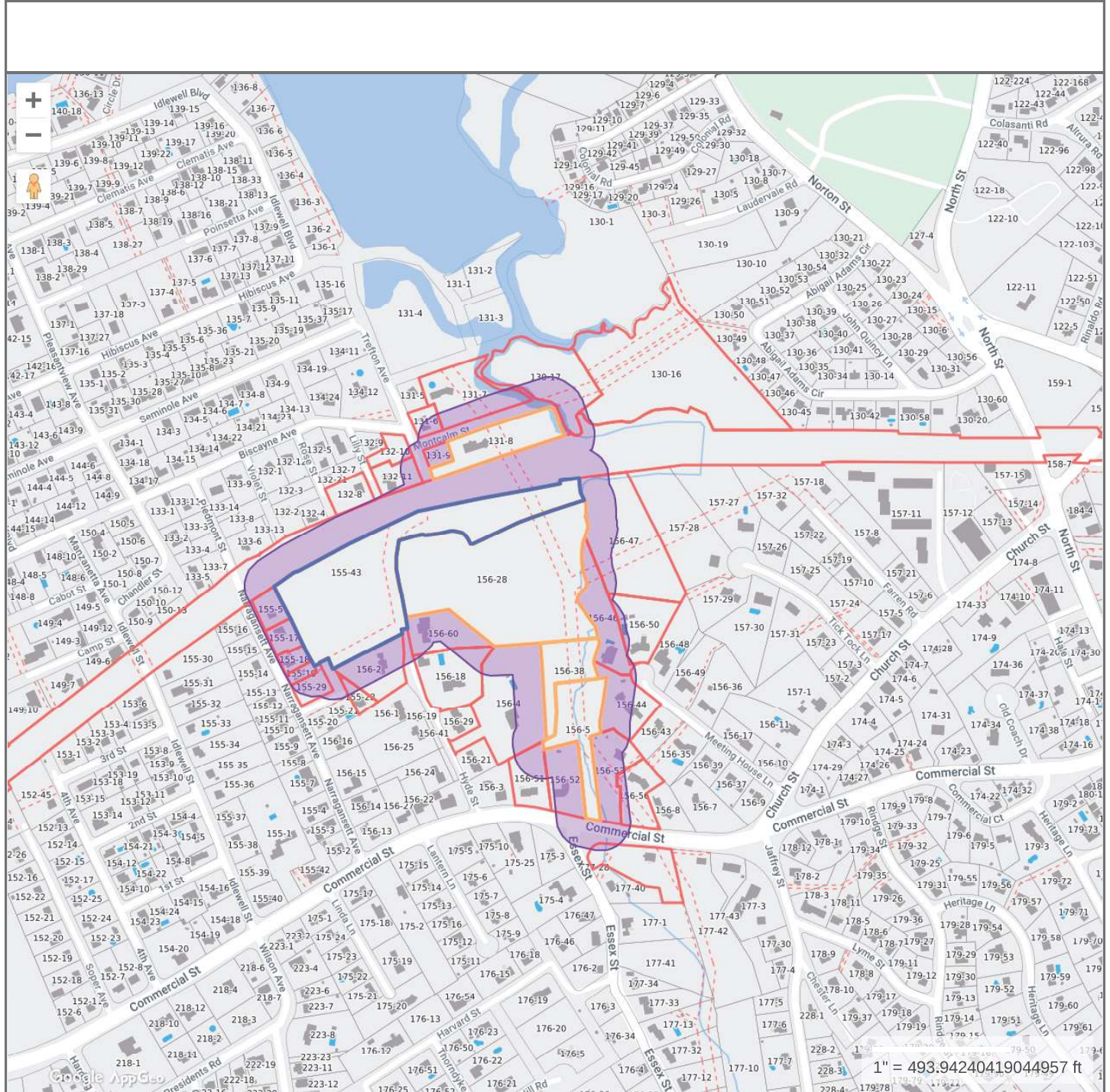


APPENDIX D

PLAN SET – LOWER CENTRAL INTERCEPTOR IMPROVEMENTS
(EXTERNAL)

APPENDIX E

NOTIFICATION TO ABUTTERS FORM AND CERTIFIED ABUTTERS LIST



**MAP FOR REFERENCE ONLY
NOT A LEGAL DOCUMENT**

Weymouth, MA makes no claims and no warranties, expressed or implied, concerning the validity or accuracy of the GIS data presented on this map.

Print map scale is approximate. Critical layout or measurement activities should not be done using this resource.

1/5/2024

PARCEL #	LOCATION	OWNER NAME/ADDRESS	CERTIFIED	
			YES	NO
MAP: 13 BLOCK: 130 LOT: 16 EXT: 0	0 ABIGAIL ADAMS CIR OFF	TOWN OF WEYMOUTH 75 MIDDLE ST E WEYMOUTH, MA 02189	<input checked="" type="checkbox"/>	<input type="checkbox"/>
MAP: 13 BLOCK: 130 LOT: 17 EXT: 0	0 MONTCALM ST	MASSACHUSETTS ELECTRIC CO PROPERTY TAX DEPT WALTHAM, MA 02451-2286	<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"/>
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: 131 LOT: 9 EXT: 0	89 TREFTON AVE	SCOLARO REVOCABLE TRUST 89 TREFTON AVE 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 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: 132 LOT: 8 EXT: 0	15 LILLY ST	VALOVICIN DARRYL & LAURA A 15 LILLY ST WEYMOUTH, MA 02188	<input checked="" type="checkbox"/>	<input type="checkbox"/>
MAP: 13 BLOCK: 155 LOT: 17 EXT: 0	65 NARRAGANSET AVE	RYDER DEVELOPMENT CORP 668 BROAD ST UNIT D WEYMOUTH, MA 02189	<input checked="" type="checkbox"/>	<input type="checkbox"/>
MAP: 13 BLOCK: 155 LOT: 18 EXT: 0	59 NARRAGANSET AVE	COLLINS R E & F R LIFE ESTATE 59 NARRAGANSET AVE WEYMOUTH, MA 02188	<input checked="" type="checkbox"/>	<input type="checkbox"/>

1/5/2024

PARCEL #	LOCATION	OWNER NAME/ADDRESS	CERTIFIED	
			YES	NO
MAP: 13 BLOCK: 155 LOT: 19 EXT: 0	55 NARRAGANSET AVE	BERNS M CHRISTINE 55 NARRAGANSET AVE WEYMOUTH, MA 02188	<input checked="" type="checkbox"/>	<input type="checkbox"/>
MAP: 13 BLOCK: 155 LOT: 22 EXT: 0	11 EDISON ST	SANTOS JOSEPH B 11 EDISON ST WEYMOUTH, MA 02188	<input checked="" type="checkbox"/>	<input type="checkbox"/>
MAP: 13 BLOCK: 155 LOT: 29 EXT: 0	49 NARRAGANSET AVE	POTTER WILLIAM A JR & 49 NARRAGANSETT AVE WEYMOUTH, MA 02188	<input checked="" type="checkbox"/>	<input type="checkbox"/>
MAP: 13 BLOCK: 155 LOT: 5 EXT: 0	75 NARRAGANSET AVE	CHABOT CAROLYN & CARPENTER 75 NARRAGANSET AVE WEYMOUTH, MA 02188	<input checked="" type="checkbox"/>	<input type="checkbox"/>
MAP: 13 BLOCK: 156 LOT: 18 EXT: 0	35 HYDE ST	COCONUT TRUST 35 HYDE ST WEYMOUTH, MA 021899	<input checked="" type="checkbox"/>	<input type="checkbox"/>
MAP: 13 BLOCK: 156 LOT: 2 EXT: 0	48 HYDE ST	RYDER PROPERTIES COMPANY LLC 668 BROAD ST UNIT 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: 44 EXT: 0	42 MEETING HOUSE LN	CAMPBELL PAUL G & TRACY A TRS 231 QUINCY AVE BRAINTREE, MA 02184	<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 54 MEETING HOUSE LN E WEYMOUTH, MA 02189	<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"/>

1/5/2024

PARCEL #	LOCATION	OWNER NAME/ADDRESS	CERTIFIED	
			YES	NO
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: 51 EXT: 0	546 COMMERCIAL ST	LLOYD THOMAS M & CATHLEEN A 546 COMMERCIAL ST WEYMOUTH, MA 02188	<input checked="" type="checkbox"/>	<input type="checkbox"/>
MAP: 13 BLOCK: 156 LOT: 52 EXT: 0	556 COMMERCIAL ST	REMSEN NOMINEE REALTY TRUST 556 COMMERCIAL ST WEYMOUTH, MA 02188	<input checked="" type="checkbox"/>	<input type="checkbox"/>
MAP: 13 BLOCK: 156 LOT: 53 EXT: 0	570 COMMERCIAL ST	SINOPOLI STEPHEN D & 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 576 COMMERCIAL ST WEYMOUTH, MA 02189	<input checked="" type="checkbox"/>	<input type="checkbox"/>
MAP: 13 BLOCK: 156 LOT: 60 EXT: 0	55 HYDE ST	GEOLDASIS MARGARET 55 HYDE ST WEYMOUTH, MA 02188	<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: 16 BLOCK: 158 LOT: 1 EXT: 0	0 COMMERCIAL ST	MBTA - MASSACHUSETTS BAY 10 PARK PLAZA RM 5750 BOSTON, MA 02116	<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: 155 LOT: 43 EXT: 0	0 BELLGRADE ST	RYDER DEVELOPMENT CORP 668 BROAD ST #D WEYMOUTH, MA 02189	<input checked="" type="checkbox"/>	<input type="checkbox"/>

1/5/2024

PARCEL #	LOCATION	OWNER NAME/ADDRESS	CERTIFIED	
			YES	NO
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: 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: 5 EXT: 0	0 COMMERCIAL ST	OFFCAPE PPT, LLC 556 COMMERCIAL ST 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 2024.

Prepared by:

Reviewed by:

|

TOWN OF WEYMOUTH

NOTIFICATION TO ABUTTERS UNDER THE MASSACHUSETTS WETLANDS PROTECTION ACT AND LOCAL WETLANDS PROTECTION ORDINANCE, CHAPTER 7, SECTION 301

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

- A. The name of the applicant is Town of Weymouth, Department of Public Works
- B. The applicant has filed: Notice of Intent, *or* OOC Amendment Request, *or* Request for Determination with the Conservation Commission for the municipality of Weymouth seeking permission to remove, fill, dredge or alter an Area Subject to Protection under the Wetlands Protection Act (General Laws Chapter 131, Section 40).
- C. The address of the lot where the activity is proposed and a brief description including square footage and/or dimensions of proposed project:

Proposed work is the replacement of 1,200 linear feet of 30-inch sewer with new 42-inch sewer.

Affected properties are 11 Montcalm St., 0 Edge St., 0 Trefton Ave., 566R Commercial St., and 0 Commercial St.

- D. Copies of the Notice of Intent or OOC Amendment Request or Request for Determination may be examined at The Weymouth Conservation Commission Office, Weymouth Town Hall, between the hours of 8:30 and 4:30, Monday through Friday (it is recommended to call for an appointment first at 781 340 5007). Copies may also be viewed on the Town of Weymouth Website, on the conservation page under the current and past cases tab at: <https://www.weymouth.ma.us/conservation-commission/pages/current-and-past-cases-partial-list>

- E. Copies of the Notice of Intent or OOC Amendment Request or Request for Determination may be obtained from (check one):

the Applicant **or** the Applicant's Representative

by calling this telephone number 617-657-0291 contact person Sabrina Castaneda

between the hours of: 8:30AM and 4:30PM on the following days of the week: M-F

- F. Information regarding the date, time, and place of the public hearing may be obtained from:

Weymouth Conservation Commission

By calling this telephone number: 781-340-5007

Between the hours of: 8:30 – 4:30 Mon. though Friday

- G. Check One: This is the Applicant
This is the Applicant's Representative
Other (specify) Town of Weymouth Conservation Commission

NOTE: Notice of the public hearing/meeting, including its date, time and place will be published at least five days in advance in the Patriot Ledger, and will also be posted on the Town website at www.weymouth.ma.us not less than forty-eight hours in advance. You may also contact the Weymouth Conservation Commission or the Department of Environment Protection Regional office for more information about this application or the Wetland Protection Act. To contact DEP, call 508-946-2700.

APPENDIX F

STORMWATER REPORT AND CHECKLIST FORM

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: January 10, 2024

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 1,150 linear feet of the existing 30-inch reinforced concrete interceptor with new 42-inch sewer including crossing of the MBTA railroad. A 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 sewer 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 sewer 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.

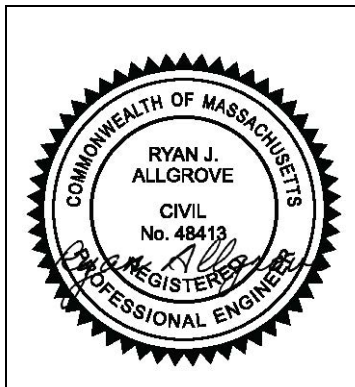
Note: Because stormwater requirements vary from project to project, it is possible that a complete Stormwater Report may not include information on some of the subjects specified in the Checklist. If it is determined that a specific item does not apply to the project under review, please note that the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

1/10/24

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 NOI 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

1/10/24

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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