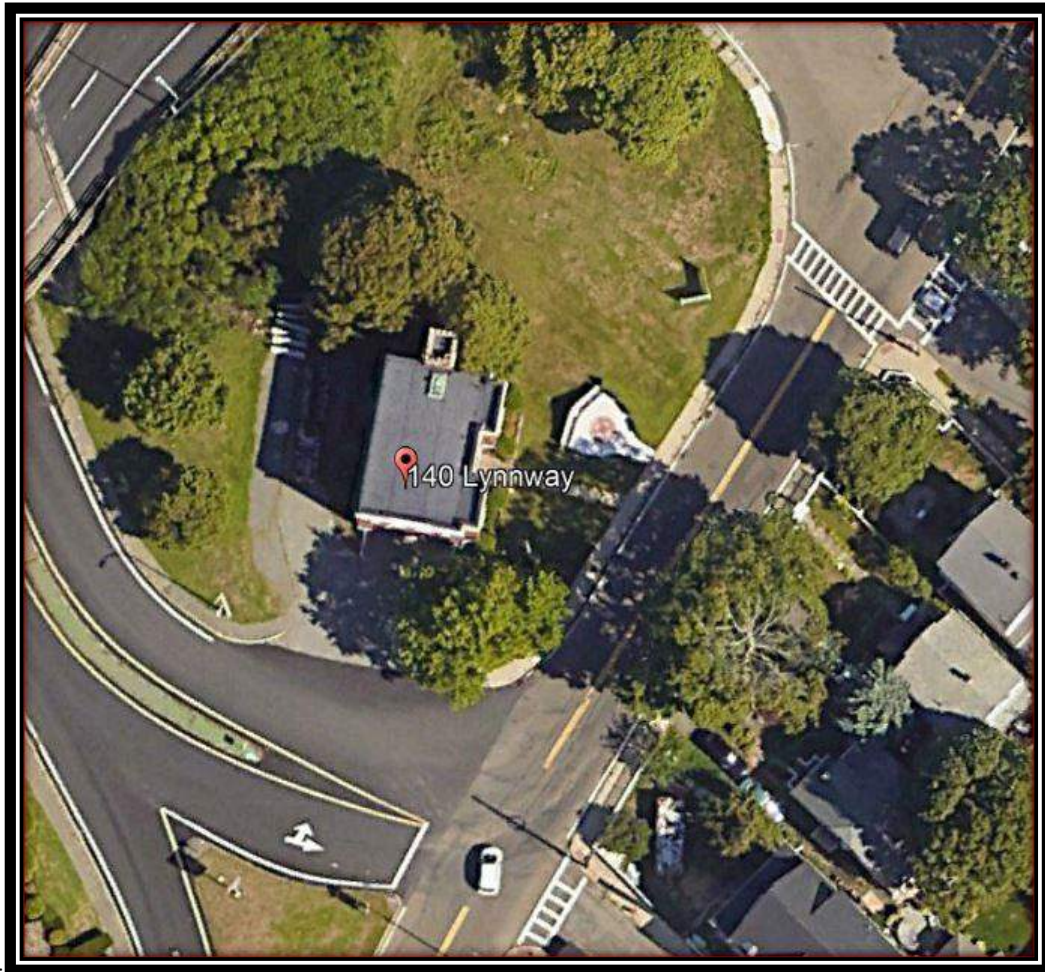


EXPANDED ENVIRONMENTAL NOTIFICATION FORM

**ALDEN FIRE STATION
140 LYNNWAY, REVERE MA**



Prepared for:
**Winter Street Architects
27 Congress Street, Suite 201
Salem, MA 01970**

Prepared by:
**Brennan Consulting
24 Ray Avenue
Burlington, MA 01803
February 28, 2022**

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February 28, 2022

Executive office of Environmental Affairs
MEPA Office
100 Cambridge Street, Suite 900
Boston, MA 02114

Subject: **Alden Fire Station**
140 Lynnway
Revere, Massachusetts

Dear MEPA Coordinator:

On behalf of the City of Revere, Brennan Consulting is submitting the following Expanded Environmental Notification Form (EENF) in accordance with 301 CMR 11.00, Massachusetts Environmental Policy Act (MEPA) Regulations for the proposed construction of a fire station (referred to as The Project) with associated parking and utilities. This EENF is being submitted alongside a Proposed Environmental Impact Report (EIR) as part of a proposed rollover EIR filing. However, we have noted that we are requesting a Single EIR on the Environmental Notification Application if the Secretary does not feel that a rollover EIR is justified for this filing.

Attached you will find a completed copy of the Environmental Notification Application and associated attachments. A new MEPA regulation entitled Climate Roadmap Act, effective December 24, 2021, requires consideration and mitigation of public health impacts in EIRs. The Act expanded public participation in the MEPA review process for Environmental Justice (EJ) populations. The EJ population is defined by criteria based on income, English proficiency, and minority composition. Because the Project is located within an EJ Population this EENF will include additional submittal materials pertinent to EJ Populations. These materials include an EJ section in the EENF application as well as an EJ Screening Form for community outreach, a list of entities that will receive the EJ Screening Form, and an RMA Climate Resilience Design Standards Printout which will be used to identify any potential climate risks that will be mitigated for EJ Populations that immediately surround the project site.

If there are any questions regarding this filing, please do not hesitate to contact me at (781) 273-3434 ext. 100 or cemilius@brennanconsults.com. Thank you for your time and consideration in this matter.

Thank you,



Chris Emilius, P.E.
Principal

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MEPA EENF APPLICATION

Commonwealth of Massachusetts
Executive Office of Energy and Environmental Affairs
Massachusetts Environmental Policy Act (MEPA) Office

Environmental Notification Form

For Office Use Only

EEA#: _____

MEPA Analyst: _____

The information requested on this form must be completed in order to submit a document electronically for review under the Massachusetts Environmental Policy Act, 301 CMR 11.00.

Project Name: Alden Fire Station

Street Address: 140 Lynnway

Municipality: Revere

Watershed: North Coastal

Universal Transverse Mercator Coordinates

Latitude:

Longitude:

Estimated commencement date:

Estimated completion date:

Project Type: Fire Station Redevelopment

Status of project design: 50%complete

Proponent: City of Revere

Street Address: 140 Lynnway

Municipality: Revere

State: MA

Zip Code: 02151

Name of Contact Person: Chris Emilius, P.E.

Firm/Agency: Brennan Consulting, Inc.

Street Address: 23 Ray Ave., Suite 203

Municipality: Burlington

State: MA

Zip Code: 01803

Phone: 781-273-3434 ext. 100

Fax: 781-273-3430

E-mail:

cemilius@brennanconsults.co

Does this project meet or exceed a mandatory EIR threshold (see 301 CMR 11.03)?

☒ Yes ☐ No

If this is an Expanded Environmental Notification Form (ENF) (see 301 CMR 11.05(7)) or a Notice of Project Change (NPC), are you requesting:

a Single EIR? (see 301 CMR 11.06(8))

☒ Yes ☐ No

a Special Review Procedure? (see 301CMR 11.09)

☐ Yes ☒ No

a Waiver of mandatory EIR? (see 301 CMR 11.11)

☐ Yes ☒ No

a Phase I Waiver? (see 301 CMR 11.11)

☐ Yes ☒ No

(Note: Greenhouse Gas Emissions analysis must be included in the Expanded ENF.)

Which MEPA review threshold(s) does the project meet or exceed (see 301 CMR 11.03)?

(1) Land

Which State Agency Permits will the project require?

DCR, MWRA and MassDOT

Identify any financial assistance or land transfer from an Agency of the Commonwealth, including the Agency name and the amount of funding or land area in acres: DCR , 0.11 ac.

Summary of Project Size & Environmental Impacts	Existing	Change	Total
LAND			
Total site acreage	0.35 acre		
New acres of land altered		0.35 acre	
Acres of impervious area	0.20 acres	0.31 acres	0.11 acres
Square feet of new bordering vegetated wetlands alteration		0	
Square feet of new other wetland alteration		0	
Acres of new non-water dependent use of tidelands or waterways		0	
STRUCTURES			
Gross square footage	0	0	0
Number of housing units	0	0	0
Maximum height (feet)	0	0	0
TRANSPORTATION			
Vehicle trips per day	0	20	20
Parking spaces	0	10	10
WASTEWATER			
Water Use (Gallons per day)	0	1,712	1,712
Water withdrawal (GPD)	0		
Wastewater generation/treatment (GPD)	0		
Length of water mains (miles)	0	0	
Length of sewer mains (miles)	0	0	
Has this project been filed with MEPA before? <input type="checkbox"/> Yes (EEA #_____) <input checked="" type="checkbox"/> No			
Has any project on this site been filed with MEPA before? <input type="checkbox"/> Yes (EEA #_____) <input checked="" type="checkbox"/> No			

GENERAL PROJECT INFORMATION – all proponents must fill out this section

PROJECT DESCRIPTION:

Describe the existing conditions and land uses on the project site: **The site is presently vacant. Recently an old fire station was demolished.**

Describe the proposed project and its programmatic and physical elements: **The project is a new 2 story Fire Station which will service the Point of Pines neighborhood in Revere. The project will take approximately 1 year to construct, and we expect construction to start in April of 2022.**

NOTE: The project description should summarize both the project's direct and indirect impacts (including construction period impacts) in terms of their magnitude, geographic extent, duration and frequency, and reversibility, as applicable. It should also discuss the infrastructure requirements of the project and the capacity of the municipal and/or regional infrastructure to sustain these requirements into the future.

Describe the on-site project alternatives (and alternative off-site locations, if applicable), considered by the proponent, including at least one feasible alternative that is allowed under current zoning, and the reasons(s) that they were not selected as the preferred alternative:

The site was donated to the City of Revere on the stipulation that it could only be used as a Fire Station.

NOTE: The purpose of the alternatives analysis is to consider what effect changing the parameters and/or siting of a project, or components thereof, will have on the environment, keeping in mind that the objective of the MEPA review process is to avoid or minimize damage to the environment to the greatest extent feasible. Examples of alternative projects include alternative site locations, alternative site uses, and alternative site configurations.

Summarize the mitigation measures proposed to offset the impacts of the preferred alternative: **A Soil Erosion and Sedimentation Control Plan will be implemented during construction.**

If the project is proposed to be constructed in phases, please describe each phase:

The project will not be phases.

AREAS OF CRITICAL ENVIRONMENTAL CONCERN:

Is the project within or adjacent to an Area of Critical Environmental Concern?

☐ Yes (Specify _____)
☒ No

If yes, does the ACEC have an approved Resource Management Plan? ____ Yes ____ No;

If yes, describe how the project complies with this plan.

Will there be stormwater runoff or discharge to the designated ACEC? ____ Yes X_ No;

If yes, describe and assess the potential impacts of such stormwater runoff/discharge to the designated ACEC.

RARE SPECIES:

Does the project site include Estimated and/or Priority Habitat of State-Listed Rare Species? (see http://www.mass.gov/dfwele/dfw/nhosp/regulatory_review/priority_habitat/priority_habitat_home.htm)

☐ Yes (Specify _____) ☒ No

HISTORICAL /ARCHAEOLOGICAL RESOURCES:

Does the project site include any structure, site or district listed in the State Register of Historic Place or the inventory of Historic and Archaeological Assets of the Commonwealth?

☐ Yes (Specify _____) ☒ No

If yes, does the project involve any demolition or destruction of any listed or inventoried historic or archaeological resources? ☐ Yes (Specify _____) ☐ No

WATER RESOURCES:

Is there an Outstanding Resource Water (ORW) on or within a half-mile radius of the project site? ___Yes ___X___No; if yes, identify the ORW and its location. _____

(NOTE: Outstanding Resource Waters include Class A public water supplies, their tributaries, and bordering wetlands; active and inactive reservoirs approved by MassDEP; certain waters within Areas of Critical Environmental Concern, and certified vernal pools. Outstanding resource waters are listed in the Surface Water Quality Standards, 314 CMR 4.00.)

Are there any impaired water bodies on or within a half-mile radius of the project site? ___X___Yes ___No; if yes, identify the water body and pollutant(s) causing the impairment: _see attached_.

Is the project within a medium or high stress basin, as established by the Massachusetts Water Resources Commission? ___Yes ___X___No

STORMWATER MANAGEMENT:

Generally describe the project's stormwater impacts and measures that the project will take to comply with the standards found in MassDEP's Stormwater Management Regulations:

Stormwater associated with the development will be controlled through a series of deep sump catch basins that discharge to a proposed subsurface infiltration system. This will mitigate post-development peak discharge rates, infiltrate the required recharge volume and water quality volume, and allow the site to meet 80% TSS removal prior to infiltration. Excess runoff in higher storm events will discharge to the existing drainage infrastructure in the Lynnway via an outlet control structure.

MASSACHUSETTS CONTINGENCY PLAN:

Has the project site been, or is it currently being, regulated under M.G.L.c.21E or the Massachusetts Contingency Plan? site (including Release Tracking Number (RTN), cleanup phase, and Response Action Outcome classification): _____No___X_____

Is there an Activity and Use Limitation (AUL) on any portion of the project site? Yes ___ No ___X___; if yes, describe which portion of the site and how the project will be consistent with the AUL: _____.

Are you aware of any Reportable Conditions at the property that have not yet been assigned an RTN? Yes ___ No ___X___; if yes, please describe: _____

SOLID AND HAZARDOUS WASTE:

If the project will generate solid waste during demolition or construction, describe alternatives considered for re-use, recycling, and disposal of, e.g., asphalt, brick, concrete, gypsum, metal, wood: _Project is vacant land___

(NOTE: Asphalt pavement, brick, concrete and metal are banned from disposal at Massachusetts landfills and waste combustion facilities and wood is banned from disposal at Massachusetts landfills. See 310 CMR 19.017 for the complete list of banned materials.)

Will your project disturb asbestos containing materials? Yes ___ No ___X___; if yes, please consult state asbestos requirements at <http://mass.gov/MassDEP/air/asbhom01.htm>

Describe anti-idling and other measures to limit emissions from construction equipment: _____

DESIGNATED WILD AND SCENIC RIVER:

Is this project site located wholly or partially within a defined river corridor of a federally designated Wild and Scenic River or a state designated Scenic River? Yes ___ No ___X___; if yes, specify name of river and designation: _____

If yes, does the project have the potential to impact any of the “outstandingly remarkable” resources of a federally Wild and Scenic River or the stated purpose of a state designated Scenic River? Yes ___ No X ; if yes, specify name of river and designation: _____;
if yes, will the project will result in any impacts to any of the designated “outstandingly remarkable” resources of the Wild and Scenic River or the stated purposes of a Scenic River.
Yes ___ No X ;
if yes, describe the potential impacts to one or more of the “outstandingly remarkable” resources or stated purposes and mitigation measures proposed.

ATTACHMENTS:

1. List of all attachments to this document.
2. U.S.G.S. map (good quality color copy, 8-½ x 11 inches or larger, at a scale of 1:24,000) indicating the project location and boundaries.
- 3.. Plan, at an appropriate scale, of existing conditions on the project site and its immediate environs, showing all known structures, roadways and parking lots, railroad rights-of-way, wetlands and water bodies, wooded areas, farmland, steep slopes, public open spaces, and major utilities.
- 4 Plan, at an appropriate scale, depicting environmental constraints on or adjacent to the project site such as Priority and/or Estimated Habitat of state-listed rare species, Areas of Critical Environmental Concern, Chapter 91 jurisdictional areas, Article 97 lands, wetland resource area delineations, water supply protection areas, and historic resources and/or districts.
5. Plan, at an appropriate scale, of proposed conditions upon completion of project (if construction of the project is proposed to be phased, there should be a site plan showing conditions upon the completion of each phase).
6. List of all agencies and persons to whom the proponent circulated the ENF, in accordance with 301 CMR 11.16(2).
7. List of municipal and federal permits and reviews required by the project, as applicable.
8. Printout of output report from RMA Climate Resilience Design Standards Tool, available [here](#).
9. Printout from the EEA [EJ Maps Viewer](#) showing the project location relative to Environmental Justice (EJ) Populations located in whole or in part within a 1-mile and 5-mile radius of the project site.

LAND SECTION – all proponents must fill out this section

I. Thresholds / Permits

- A. Does the project meet or exceed any review thresholds related to **land** (see 301 CMR 11.03(1) X Yes No; if yes, specify each threshold: **A portion of the project land is owned by DCR, and all DCR land is considered park land.**

II. Impacts and Permits

- A. Describe, in acres, the current and proposed character of the project site, as follows:

	<u>Existing</u>	<u>Change</u>	<u>Total</u>
Footprint of buildings	<u>0</u>	<u>0.19</u>	<u>0.19</u>
Internal roadways	<u>0</u>	<u>0</u>	<u>0</u>
Parking and other paved areas	<u>0.01</u>	<u>0.11</u>	<u>0.12</u>
Other altered areas	<u>0.18</u>	<u>-0.18</u>	<u>0</u>
Undeveloped areas	<u>0.16</u>	<u>-0.12</u>	<u>0.04</u>
Total: Project Site Acreage	<u>0.35</u>	<u>0</u>	<u>0.35</u>

- B. Has any part of the project site been in active agricultural use in the last five years?
 Yes X No; if yes, how many acres of land in agricultural use (with prime state or locally important agricultural soils) will be converted to nonagricultural use?
- C. Is any part of the project site currently or proposed to be in active forestry use?
 Yes X No; if yes, please describe current and proposed forestry activities and indicate whether any part of the site is the subject of a forest management plan approved by the Department of Conservation and Recreation:
- D. Does any part of the project involve conversion of land held for natural resources purposes in accordance with Article 97 of the Amendments to the Constitution of the Commonwealth to any purpose not in accordance with Article 97? X Yes No; if yes, describe: **The land is owned DCR, however it was an abandoned fire station and now a new fire station is proposed.**
- E. Is any part of the project site currently subject to a conservation restriction, preservation restriction, agricultural preservation restriction or watershed preservation restriction? Yes X No; if yes, does the project involve the release or modification of such restriction? Yes No; if yes, describe:
- F. Does the project require approval of a new urban redevelopment project or a fundamental change in an existing urban redevelopment project under M.G.L.c.121A? Yes X No; if yes, describe:
- G. Does the project require approval of a new urban renewal plan or a major modification of an existing urban renewal plan under M.G.L.c.121B? Yes No X ; if yes, describe:

III. Consistency

- A. Identify the current municipal comprehensive land use plan
Title: None Date
- B. Describe the project's consistency with that plan with regard to:
- 1) economic development
 - 2) adequacy of infrastructure
 - 3) open space impacts
 - 4) compatibility with adjacent land uses
- C. Identify the current Regional Policy Plan of the applicable Regional Planning Agency (RPA)
RPA:

Title:_____None_____ Date_____

D. Describe the project's consistency with that plan with regard to:

- 1) economic development _____
- 2) adequacy of infrastructure _____
- 3) open space impacts _____

RARE SPECIES SECTION

I. Thresholds / Permits

- A. Will the project meet or exceed any review thresholds related to **rare species or habitat** (see 301 CMR 11.03(2))? ☐ Yes ☒ No; if yes, specify, in quantitative terms:

(NOTE: If you are uncertain, it is recommended that you consult with the Natural Heritage and Endangered Species Program (NHESP) prior to submitting the ENF.)

- B. Does the project require any state permits related to **rare species or habitat**? ☐ Yes ☒ No
- C. Does the project site fall within mapped rare species habitat (Priority or Estimated Habitat?) in the current Massachusetts Natural Heritage Atlas (attach relevant page)? ☐ Yes ☒ No.
- D. If you answered "No" to all questions A, B and C, proceed to the **Wetlands, Waterways, and Tidelands Section**. If you answered "Yes" to either question A or question B, fill out the remainder of the Rare Species section below.

II. Impacts and Permits

- A. Does the project site fall within Priority or Estimated Habitat in the current Massachusetts Natural Heritage Atlas (attach relevant page)? ☐ Yes ☐ No. If yes,
1. Have you consulted with the Division of Fisheries and Wildlife Natural Heritage and Endangered Species Program (NHESP)? ☐ Yes ☐ No; if yes, have you received a determination as to whether the project will result in the "take" of a rare species? ☐ Yes ☐ No; if yes, attach the letter of determination to this submission.
 2. Will the project "take" an endangered, threatened, and/or species of special concern in accordance with M.G.L. c.131A (see also 321 CMR 10.04)? ☐ Yes ☐ No; if yes, provide a summary of proposed measures to minimize and mitigate rare species impacts
 3. Which rare species are known to occur within the Priority or Estimated Habitat?
 4. Has the site been surveyed for rare species in accordance with the Massachusetts Endangered Species Act? ☐ Yes ☐ No
 4. If your project is within Estimated Habitat, have you filed a Notice of Intent or received an Order of Conditions for this project? ☐ Yes ☐ No; if yes, did you send a copy of the Notice of Intent to the Natural Heritage and Endangered Species Program, in accordance with the Wetlands Protection Act regulations? ☐ Yes ☐ No
- B. Will the project "take" an endangered, threatened, and/or species of special concern in accordance with M.G.L. c.131A (see also 321 CMR 10.04)? ☐ Yes ☐ No; if yes, provide a summary of proposed measures to minimize and mitigate impacts to significant habitat:

WETLANDS, WATERWAYS, AND TIDELANDS SECTION

I. Thresholds / Permits

A. Will the project meet or exceed any review thresholds related to **wetlands, waterways, and tidelands** (see 301 CMR 11.03(3))? ____ Yes X No; if yes, specify, in quantitative terms: 11.03(3)(b)(1)(a)

B. Does the project require any state permits (or a local Order of Conditions) related to **wetlands, waterways, or tidelands**? ____ Yes X No; if yes, specify which permit:

C. If you answered "No" to both questions A and B, proceed to the **Water Supply Section**. If you answered "Yes" to either question A or question B, fill out the remainder of the Wetlands, Waterways, and Tidelands Section below.

II. Wetlands Impacts and Permits

A. Does the project require a new or amended Order of Conditions under the Wetlands Protection Act (M.G.L. c.131A)? ____ Yes ____ No; if yes, has a Notice of Intent been filed? ____ Yes ____ No; if yes, list the date and MassDEP file number: ____; if yes, has a local Order of Conditions been issued? ____ Yes ____ No; Was the Order of Conditions appealed? ____ Yes ____ No. Will the project require a Variance from the Wetlands regulations? ____ Yes ____ No.

B. Describe any proposed permanent or temporary impacts to wetland resource areas located on the project site:

C. Estimate the extent and type of impact that the project will have on wetland resources, and indicate whether the impacts are temporary or permanent:

<u>Coastal Wetlands</u>	<u>Area (square feet) or Length (linear feet)</u>	<u>Temporary or Permanent Impact?</u>
Land Under the Ocean	_____	_____
Designated Port Areas	_____	_____
Coastal Beaches	_____	_____
Coastal Dunes	_____	_____
Barrier Beaches	_____	_____
Coastal Banks	_____	_____
Rocky Intertidal Shores	_____	_____
Salt Marshes	_____	_____
Land Under Salt Ponds	_____	_____
Land Containing Shellfish	_____	_____
Fish Runs	_____	_____
Land Subject to Coastal Storm Flowage	_____	_____
<u>Inland Wetlands</u>		
Bank (If)	_____	_____
Bordering Vegetated Wetlands	_____	_____
Isolated Vegetated Wetlands	_____	_____
Land under Water	_____	_____
Isolated Land Subject to Flooding	_____	_____
Bordering Land Subject to Flooding	_____	_____
Riverfront Area	_____	_____

D. Is any part of the project:

1. proposed as a **limited project**? ____ Yes ____ No; if yes, what is the area (in sf)? ____
2. the construction or alteration of a **dam**? ____ Yes ____ No; if yes, describe:

3. fill or structure in a **velocity zone** or **regulatory floodway**? ____ Yes ____ No
4. dredging or disposal of dredged material? ____ Yes ____ No; if yes, describe the volume of dredged material and the proposed disposal site:
5. a discharge to an **Outstanding Resource Water (ORW)** or an **Area of Critical Environmental Concern (ACEC)**? ____ Yes ____ No
6. subject to a wetlands restriction order? ____ Yes ____ No; if yes, identify the area (in sf):
7. located in buffer zones? ____ Yes ____ No; if yes, how much (in sf) _____

E. Will the project:

1. be subject to a local wetlands ordinance or bylaw? ____ Yes ____ No
2. alter any federally-protected wetlands not regulated under state law? ____ Yes ____ No; if yes, what is the area (sf)?

III. Waterways and Tidelands Impacts and Permits

A. Does the project site contain waterways or tidelands (including filled former tidelands) that are subject to the Waterways Act, M.G.L.c.91? ____ Yes ____ No; if yes, is there a current Chapter 91 License or Permit affecting the project site? ____ Yes ____ No; if yes, list the date and license or permit number and provide a copy of the historic map used to determine extent of filled tidelands:

B. Does the project require a new or modified license or permit under M.G.L.c.91? ____ Yes ____ No; if yes, how many acres of the project site subject to M.G.L.c.91 will be for non-water-dependent use? Current ____ Change ____ Total ____
If yes, how many square feet of solid fill or pile-supported structures (in sf)?

C. For non-water-dependent use projects, indicate the following:

Area of filled tidelands on the site: _____

Area of filled tidelands covered by buildings: _____

For portions of site on filled tidelands, list ground floor uses and area of each use:

Does the project include new non-water-dependent uses located over flowed tidelands?

Yes ____ No ____

Height of building on filled tidelands _____

Also show the following on a site plan: Mean High Water, Mean Low Water, Water-dependent Use Zone, location of uses within buildings on tidelands, and interior and exterior areas and facilities dedicated for public use, and historic high and historic low water marks.

D. Is the project located on landlocked tidelands? ____ Yes ____ No; if yes, describe the project's impact on the public's right to access, use and enjoy jurisdictional tidelands and describe measures the project will implement to avoid, minimize or mitigate any adverse impact:

E. Is the project located in an area where low groundwater levels have been identified by a municipality or by a state or federal agency as a threat to building foundations? ____ Yes ____ No; if yes, describe the project's impact on groundwater levels and describe measures the project will implement to avoid, minimize or mitigate any adverse impact:

F. Is the project non-water-dependent **and** located on landlocked tidelands **or** waterways or tidelands subject to the Waterways Act **and** subject to a mandatory EIR? ____ Yes ____ No;

(NOTE: If yes, then the project will be subject to Public Benefit Review and Determination.)

G. Does the project include dredging? ____ Yes ____ No; if yes, answer the following questions:

What type of dredging? Improvement ___ Maintenance ___ Both ___

What is the proposed dredge volume, in cubic yards (cys) _____

What is the proposed dredge footprint ___length (ft) ___width (ft)___depth (ft);

Will dredging impact the following resource areas?

Intertidal Yes___ No___; if yes, ___ sq ft

Outstanding Resource Waters Yes___ No___; if yes, ___ sq ft

Other resource area (i.e. shellfish beds, eel grass beds) Yes___ No___; if yes ___ sq ft

If yes to any of the above, have you evaluated appropriate and practicable steps to: 1) avoidance; 2) if avoidance is not possible, minimization; 3) if either avoidance or minimize is not possible, mitigation?

If no to any of the above, what information or documentation was used to support this determination?

Provide a comprehensive analysis of practicable alternatives for improvement dredging in accordance with 314 CMR 9.07(1)(b). Physical and chemical data of the sediment shall be included in the comprehensive analysis.

Sediment Characterization

Existing gradation analysis results? ___Yes ___No: if yes, provide results.

Existing chemical results for parameters listed in 314 CMR 9.07(2)(b)6? ___Yes ___No; if yes, provide results.

Do you have sufficient information to evaluate feasibility of the following management options for dredged sediment? If yes, check the appropriate option.

Beach Nourishment ___

Unconfined Ocean Disposal ___

Confined Disposal:

Confined Aquatic Disposal (CAD) ___

Confined Disposal Facility (CDF) ___

Landfill Reuse in accordance with COMM-97-001 ___

Shoreline Placement ___

Upland Material Reuse___

In-State landfill disposal___

Out-of-state landfill disposal _____

(NOTE: This information is required for a 401 Water Quality Certification.)

IV. Consistency:

A. Does the project have effects on the coastal resources or uses, and/or is the project located within the Coastal Zone? ___ Yes ___ No; if yes, describe these effects and the projects consistency with the policies of the Office of Coastal Zone Management:

B. Is the project located within an area subject to a Municipal Harbor Plan? ___ Yes ___ No; if yes, identify the Municipal Harbor Plan and describe the project's consistency with that plan:

WATER SUPPLY SECTION

I. Thresholds / Permits

A. Will the project meet or exceed any review thresholds related to **water supply** (see 301 CMR 11.03(4))? ___ Yes X No; if yes, specify, in quantitative terms:

B. Does the project require any state permits related to **water supply**? ___ Yes X No; if yes, specify which permit:

C. If you answered "No" to both questions A and B, proceed to the **Wastewater Section**. If you answered "Yes" to either question A or question B, fill out the remainder of the Water Supply Section below.

II. Impacts and Permits

A. Describe, in gallons per day (gpd), the volume and source of water use for existing and proposed activities at the project site:

	<u>Existing</u>	<u>Change</u>	<u>Total</u>
Municipal or regional water supply	_____	_____	_____
Withdrawal from groundwater	_____	_____	_____
Withdrawal from surface water	_____	_____	_____
Interbasin transfer	_____	_____	_____

(NOTE: Interbasin Transfer approval will be required if the basin and community where the proposed water supply source is located is different from the basin and community where the wastewater from the source will be discharged.)

B. If the source is a municipal or regional supply, has the municipality or region indicated that there is adequate capacity in the system to accommodate the project? ___ Yes ___ No

C. If the project involves a new or expanded withdrawal from a groundwater or surface water source, has a pumping test been conducted? ___ Yes ___ No; if yes, attach a map of the drilling sites and a summary of the alternatives considered and the results. _____

D. What is the currently permitted withdrawal at the proposed water supply source (in gallons per day)? _____ Will the project require an increase in that withdrawal? ___ Yes ___ No; if yes, then how much of an increase (gpd)? _____

E. Does the project site currently contain a water supply well, a drinking water treatment facility, water main, or other water supply facility, or will the project involve construction of a new facility? ___ Yes ___ No. If yes, describe existing and proposed water supply facilities at the project site:

	<u>Permitted Flow</u>	<u>Existing Avg Daily Flow</u>	<u>Project Flow</u>	<u>Total</u>
Capacity of water supply well(s) (gpd)	_____	_____	_____	_____
Capacity of water treatment plant (gpd)	_____	_____	_____	_____

F. If the project involves a new interbasin transfer of water, which basins are involved, what is the direction of the transfer, and is the interbasin transfer existing or proposed?

G. Does the project involve:

1. new water service by the Massachusetts Water Resources Authority or other agency of the Commonwealth to a municipality or water district? ___ Yes ___ No
2. a Watershed Protection Act variance? ___ Yes ___ No; if yes, how many acres of alteration?
3. a non-bridged stream crossing 1,000 or less feet upstream of a public surface drinking

water supply for purpose of forest harvesting activities? ____ Yes ____ No

III. Consistency

Describe the project's consistency with water conservation plans or other plans to enhance water resources, quality, facilities and services:

WASTEWATER SECTION

I. Thresholds / Permits

A. Will the project meet or exceed any review thresholds related to **wastewater** (see 301 CMR 11.03(5))? ___ Yes X No; if yes, specify, in quantitative terms:

B. Does the project require any state permits related to **wastewater**? ___ Yes X No; if yes, specify which permit:

C. If you answered "No" to both questions A and B, proceed to the **Transportation -- Traffic Generation Section**. If you answered "Yes" to either question A or question B, fill out the remainder of the Wastewater Section below.

II. Impacts and Permits

A. Describe the volume (in gallons per day) and type of disposal of wastewater generation for existing and proposed activities at the project site (calculate according to 310 CMR 15.00 for septic systems or 314 CMR 7.00 for sewer systems):

	<u>Existing</u>	<u>Change</u>	<u>Total</u>
Discharge of sanitary wastewater	_____	_____	_____
Discharge of industrial wastewater	_____	_____	_____
TOTAL	_____	_____	_____
	<u>Existing</u>	<u>Change</u>	<u>Total</u>
Discharge to groundwater	_____	_____	_____
Discharge to outstanding resource water	_____	_____	_____
Discharge to surface water	_____	_____	_____
Discharge to municipal or regional wastewater facility	_____	_____	_____
TOTAL	_____	_____	_____

B. Is the existing collection system at or near its capacity? ___ Yes ___ No; if yes, then describe the measures to be undertaken to accommodate the project's wastewater flows:

C. Is the existing wastewater disposal facility at or near its permitted capacity? ___ Yes ___ No; if yes, then describe the measures to be undertaken to accommodate the project's wastewater flows:

D. Does the project site currently contain a wastewater treatment facility, sewer main, or other wastewater disposal facility, or will the project involve construction of a new facility? ___ Yes ___ No; if yes, describe as follows:

	<u>Permitted</u>	<u>Existing Avg Daily Flow</u>	<u>Project Flow</u>	<u>Total</u>
Wastewater treatment plant capacity (in gallons per day)	_____	_____	_____	_____

E. If the project requires an interbasin transfer of wastewater, which basins are involved, what is the direction of the transfer, and is the interbasin transfer existing or new?

(NOTE: Interbasin Transfer approval may be needed if the basin and community where wastewater will be discharged is different from the basin and community where the source of water supply is located.)

F. Does the project involve new sewer service by the Massachusetts Water Resources Authority (MWRA) or other Agency of the Commonwealth to a municipality or sewer district? ____ Yes ____ No

G. Is there an existing facility, or is a new facility proposed at the project site for the storage, treatment, processing, combustion or disposal of sewage sludge, sludge ash, grit, screenings, wastewater reuse (gray water) or other sewage residual materials? ____ Yes ____ No; if yes, what is the capacity (tons per day):

	<u>Existing</u>	<u>Change</u>	<u>Total</u>
Storage	_____	_____	_____
Treatment	_____	_____	_____
Processing	_____	_____	_____
Combustion	_____	_____	_____
Disposal	_____	_____	_____

H. Describe the water conservation measures to be undertaken by the project, and other wastewater mitigation, such as infiltration and inflow removal.

III. Consistency

- A. Describe measures that the proponent will take to comply with applicable state, regional, and local plans and policies related to wastewater management:

- B. If the project requires a sewer extension permit, is that extension included in a comprehensive wastewater management plan? ____ Yes ____ No; if yes, indicate the EEA number for the plan and whether the project site is within a sewer service area recommended or approved in that plan:

TRANSPORTATION SECTION (TRAFFIC GENERATION)

I. Thresholds / Permit

A. Will the project meet or exceed any review thresholds related to **traffic generation** (see 301 CMR 11.03(6))? ____ Yes X No; if yes, specify, in quantitative terms:

B. Does the project require any state permits related to **state-controlled roadways**? X Yes ____ No; if yes, specify which permit: An Access Permit is required by MassDOT and DCR.

C. If you answered "No" to both questions A and B, proceed to the **Roadways and Other Transportation Facilities Section**. If you answered "Yes" to either question A or question B, fill out the remainder of the Traffic Generation Section below.

II. Traffic Impacts and Permits

A. Describe existing and proposed vehicular traffic generated by activities at the project site:

	<u>Existing</u>	<u>Change</u>	<u>Total</u>
Number of parking spaces	<u>0</u>	<u>10</u>	<u>10</u>
Number of vehicle trips per day	<u>0</u>	<u>20</u>	<u>20</u>
ITE Land Use Code(s):	<u>575</u>		

B. What is the estimated average daily traffic on roadways serving the site?

	<u>Roadway</u>	<u>Existing</u>	<u>Change</u>	<u>Total</u>
1.	<u>Lynnway</u>	<u>10,442</u>	<u>20</u>	<u>10,462</u>
2.				
3.				

C. If applicable, describe proposed mitigation measures on state-controlled roadways that the project proponent will implement: **None**

D. How will the project implement and/or promote the use of transit, pedestrian and bicycle facilities and services to provide access to and from the project site? **Bicycle racks will be installed.**

C. Is there a Transportation Management Association (TMA) that provides transportation demand management (TDM) services in the area of the project site? ____ Yes X No; if yes, describe if and how will the project will participate in the TMA:

D. Will the project use (or occur in the immediate vicinity of) water, rail, or air transportation facilities? ____ Yes X No; if yes, generally describe:

E. If the project will penetrate approach airspace of a nearby airport, has the proponent filed a Massachusetts Aeronautics Commission Airspace Review Form (780 CMR 111.7) and a Notice of Proposed Construction or Alteration with the Federal Aviation Administration (FAA) (CFR Title 14 Part 77.13, forms 7460-1 and 7460-2)? **No.**

III. Consistency

Describe measures that the proponent will take to comply with municipal, regional, state, and federal plans and policies related to traffic, transit, pedestrian and bicycle transportation facilities and services: **Bicycle racks will be installed. This project is not anticipated for the public's use.**

TRANSPORTATION SECTION (ROADWAYS AND OTHER TRANSPORTATION FACILITIES)

I. Thresholds

A. Will the project meet or exceed any review thresholds related to **roadways or other transportation facilities** (see 301 CMR 11.03(6))? ____ Yes X No; if yes, specify, in quantitative terms:

B. Does the project require any state permits related to **roadways or other transportation facilities**? ____ Yes X No; if yes, specify which permit:

C. If you answered "No" to both questions A and B, proceed to the **Energy Section**. If you answered "Yes" to either question A or question B, fill out the remainder of the Roadways Section below.

II. Transportation Facility Impacts

A. Describe existing and proposed transportation facilities in the immediate vicinity of the project site:

B. Will the project involve any

1. Alteration of bank or terrain (in linear feet)? _____
2. Cutting of living public shade trees (number)? _____
3. Elimination of stone wall (in linear feet)? _____

III. Consistency -- Describe the project's consistency with other federal, state, regional, and local plans and policies related to traffic, transit, pedestrian and bicycle transportation facilities and services, including consistency with the applicable regional transportation plan and the Transportation Improvements Plan (TIP), the State Bicycle Plan, and the State Pedestrian Plan:

ENERGY SECTION

I. Thresholds / Permits

A. Will the project meet or exceed any review thresholds related to **energy** (see 301 CMR 11.03(7))?
___ Yes X No; if yes, specify, in quantitative terms:

B. Does the project require any state permits related to **energy**? ___ Yes X No; if yes, specify which permit:

C. If you answered "No" to both questions A and B, proceed to the **Air Quality Section**. If you answered "Yes" to either question A or question B, fill out the remainder of the Energy Section below.

II. Impacts and Permits

A. Describe existing and proposed energy generation and transmission facilities at the project site:

	<u>Existing</u>	<u>Change</u>	<u>Total</u>
Capacity of electric generating facility (megawatts)	_____	_____	_____
Length of fuel line (in miles)	_____	_____	_____
Length of transmission lines (in miles)	_____	_____	_____
Capacity of transmission lines (in kilovolts)	_____	_____	_____

B. If the project involves construction or expansion of an electric generating facility, what are:

1. the facility's current and proposed fuel source(s)?
2. the facility's current and proposed cooling source(s)?

C. If the project involves construction of an electrical transmission line, will it be located on a new, unused, or abandoned right of way? ___ Yes ___ No; if yes, please describe:

D. Describe the project's other impacts on energy facilities and services:

III. Consistency

Describe the project's consistency with state, municipal, regional, and federal plans and policies for enhancing energy facilities and services:

AIR QUALITY SECTION

I. Thresholds

A. Will the project meet or exceed any review thresholds related to **air quality** (see 301 CMR 11.03(8))? ____ Yes X No; if yes, specify, in quantitative terms:

B. Does the project require any state permits related to **air quality**? ____ Yes X No; if yes, specify which permit:

C. If you answered "No" to both questions A and B, proceed to the **Solid and Hazardous Waste Section**. If you answered "Yes" to either question A or question B, fill out the remainder of the Air Quality Section below.

II. Impacts and Permits

A. Does the project involve construction or modification of a major stationary source (see 310 CMR 7.00, Appendix A)? ____ Yes ____ No; if yes, describe existing and proposed emissions (in tons per day) of:

	<u>Existing</u>	<u>Change</u>	<u>Total</u>
Particulate matter	_____	_____	_____
Carbon monoxide	_____	_____	_____
Sulfur dioxide	_____	_____	_____
Volatile organic compounds	_____	_____	_____
Oxides of nitrogen	_____	_____	_____
Lead	_____	_____	_____
Any hazardous air pollutant	_____	_____	_____
Carbon dioxide	_____	_____	_____

B. Describe the project's other impacts on air resources and air quality, including noise impacts:

III. Consistency

A. Describe the project's consistency with the State Implementation Plan:

B. Describe measures that the proponent will take to comply with other federal, state, regional, and local plans and policies related to air resources and air quality:

SOLID AND HAZARDOUS WASTE SECTION

I. Thresholds / Permits

A. Will the project meet or exceed any review thresholds related to **solid or hazardous waste** (see 301 CMR 11.03(9))? ____ Yes X No; if yes, specify, in quantitative terms:

B. Does the project require any state permits related to **solid and hazardous waste**? ____ Yes X No; if yes, specify which permit:

C. If you answered "No" to both questions A and B, proceed to the **Historical and Archaeological Resources Section**. If you answered "Yes" to either question A or question B, fill out the remainder of the Solid and Hazardous Waste Section below.

II. Impacts and Permits

A. Is there any current or proposed facility at the project site for the storage, treatment, processing, combustion or disposal of solid waste? ____ Yes ____ No; if yes, what is the volume (in tons per day) of the capacity:

	<u>Existing</u>	<u>Change</u>	<u>Total</u>
Storage	_____	_____	_____
Treatment, processing	_____	_____	_____
Combustion	_____	_____	_____
Disposal	_____	_____	_____

B. Is there any current or proposed facility at the project site for the storage, recycling, treatment or disposal of hazardous waste? ____ Yes ____ No; if yes, what is the volume (in tons or gallons per day) of the capacity:

	<u>Existing</u>	<u>Change</u>	<u>Total</u>
Storage	_____	_____	_____
Recycling	_____	_____	_____
Treatment	_____	_____	_____
Disposal	_____	_____	_____

C. If the project will generate solid waste (for example, during demolition or construction), describe alternatives considered for re-use, recycling, and disposal:

D. If the project involves demolition, do any buildings to be demolished contain asbestos?
____ Yes ____ No

E. Describe the project's other solid and hazardous waste impacts (including indirect impacts):

III. Consistency

Describe measures that the proponent will take to comply with the State Solid Waste Master Plan:

HISTORICAL AND ARCHAEOLOGICAL RESOURCES SECTION

I. Thresholds / Impacts

A. Have you consulted with the Massachusetts Historical Commission? ____ Yes X No; if yes, attach correspondence. For project sites involving lands under water, have you consulted with the Massachusetts Board of Underwater Archaeological Resources? ____ Yes X No; if yes, attach correspondence

B. Is any part of the project site a historic structure, or a structure within a historic district, in either case listed in the State Register of Historic Places or the Inventory of Historic and Archaeological Assets of the Commonwealth? ____ Yes X No; if yes, does the project involve the demolition of all or any exterior part of such historic structure? ____ Yes X No; if yes, please describe:

C. Is any part of the project site an archaeological site listed in the State Register of Historic Places or the Inventory of Historic and Archaeological Assets of the Commonwealth? ____ Yes X No; if yes, does the project involve the destruction of all or any part of such archaeological site? ____ Yes X No; if yes, please describe:

D. If you answered "No" to all parts of both questions A, B and C, proceed to the **Attachments and Certifications** Sections. If you answered "Yes" to any part of either question A or question B, fill out the remainder of the Historical and Archaeological Resources Section below.

II. Impacts

Describe and assess the project's impacts, direct and indirect, on listed or inventoried historical and archaeological resources:

III. Consistency

Describe measures that the proponent will take to comply with federal, state, regional, and local plans and policies related to preserving historical and archaeological resources:

CLIMATE CHANGE ADAPTATION AND RESILIENCY SECTION

This section of the Environmental Notification Form (ENF) solicits information and disclosures related to climate change adaptation and resiliency, in accordance with the MEPA Interim Protocol on Climate Change Adaptation and Resiliency (the “MEPA Interim Protocol”), effective October 1, 2021. The Interim Protocol builds on the analysis and recommendations of the 2018 Massachusetts Integrated State Hazard Mitigation and Climate Adaptation Plan (SHMCAP), and incorporates the efforts of the Resilient Massachusetts Action Team (RMAT), the inter-agency steering committee responsible for implementation, monitoring, and maintenance of the SHMCAP, including the “Climate Resilience Design Standards and Guidelines” project. The RMAT team recently released the RMAT Climate Resilience Design Standards Tool, which is available [here](#).

The MEPA Interim Protocol is intended to gather project-level data in a standardized manner that will both inform the MEPA review process and assist the RMAT team in evaluating the accuracy and effectiveness of the RMAT Climate Resilience Design Standards Tool. Once this testing process is completed, the MEPA Office anticipates developing a formal Climate Change Adaptation and Resiliency Policy through a public stakeholder process. Questions about the RMAT Climate Resilience Design Standards Tool can be directed to rmat@mass.gov.

All Proponents must complete the following section, referencing as appropriate the results of the output report generated by the RMAT Climate Resilience Design Standards Tool and attached to the ENF. In completing this section, Proponents are encouraged, but not required at this time, to utilize the recommended design standards and associated Tier 1/2/3 methodologies outlined in the RMAT Climate Resilience Design Standards Tool to analyze the project design. However, Proponents are requested to respond to a respond to a [user feedback survey](#) on the RMAT website or to provide feedback to rmat@mass.gov, which will be used by the RMAT team to further refine the tool. Proponents are also encouraged to consult general guidance and best practices as described in the [RMAT Climate Resilience Design Guidelines](#).

Climate Change Adaptation and Resiliency Strategies

- I. Has the project taken measures to adapt to climate change for all of the climate parameters analyzed in the RMAT Climate Resilience Design Standards Tool (sea level rise/storm surge, extreme precipitation (urban or riverine flooding), extreme heat)? ☒ Yes ☐ No

Note: Climate adaptation and resiliency strategies include actions that seek to reduce vulnerability to anticipated climate risks and improve resiliency for future climate conditions. Examples of climate adaptation and resiliency strategies include flood barriers, increased stormwater infiltration, living shorelines, elevated infrastructure, increased tree canopy, etc. Projects should address any planning priorities identified by the affected municipality through the Municipal Vulnerability Preparedness (MVP) program or other planning efforts, and should consider a flexible adaptive pathways approach, an adaptation best practice that encourages design strategies that adapt over time to respond to changing climate conditions. General guidance and best practices for designing for climate risk are described in the [RMAT Climate Resilience Design Guidelines](#).

A. If no, explain why.

B. If yes, describe the measures the project will take, including identifying the planning horizon and climate data used in designing project components. If applicable, specify the return period and design storm used (e.g., 100-year, 24-hour storm).

Building finish floor elevation has been raised so that it is 1.5' above the 100 year floodplain elevation in order to mitigate potential impacts caused by rising sea level and flooding due to extreme precipitation.

C. Is the project contributing to regional adaptation strategies? ☐ Yes ☒ No; If yes, describe.

II. Has the Proponent considered alternative locations for the project in light of climate change risks?
☐ Yes ☒ No

A. If no, explain why.

The property was donated to the City for the expressed and only purpose of being a Fire Station.

B. If yes, describe alternatives considered.

III. Is the project located in Land Subject to Coastal Storm Flowage (LSCSF) or Bordering Land Subject to Flooding (BLSF) as defined in the Wetlands Protection Act? ☒ Yes ☐ No

If yes, describe how/whether proposed changes to the site's topography (including the addition of fill) will result in changes to floodwater flow paths and/or velocities that could impact adjacent properties or the functioning of the floodplain. General guidance on providing this analysis can be found in the CZM/MassDEP Coastal Wetlands Manual, available [here](#).

The Revere Conservation Commission made a determination that the work involved within the BSLF will not remove, fill, dredge or alter the BLSF (see attached WPA Form 2 – Determination of Applicability dated November 6, 2019). The proposed changes to the site's topography will not affect the function of the floodplain or present-day floodwater flow paths in any way.

ENVIRONMENTAL JUSTICE SECTION

I. Identifying Characteristics of EJ Populations

- A. If an Environmental Justice (EJ) population has been identified as located in whole or in part within 5 miles of the project site, describe the characteristics of each EJ populations as identified in the EJ Maps Viewer (i.e., the census block group identification number and EJ characteristics of "Minority," "Minority and Income," etc.). Provide a breakdown of those EJ populations within 1 mile of the project site, and those within 5 miles of the site.

1 mile: Minority, income, and Minority and Income.

5 miles: Minority, Income, Minority and Income, Minority and English Isolation, Income and English Isolation, and Minority income and English Isolation

- B. Identify all languages identified in the "Languages Spoken in Massachusetts" tab of the EJ Maps Viewer as spoken by 5 percent or more of the EJ population who also identify as not speaking English "very well." The languages should be identified for each census tract located in whole or in part within 1 mile and 5 miles of the project site, regardless of whether such census tract contains any designated EJ populations.

1 mile: Spanish or Spanish Creole, Portuguese or Portuguese Creole, MonKhmer/Cambodian

5 miles: Spanish or Spanish Creole, Portuguese or Portuguese Creole, French Creole, Russian, Arabic, MonKhmer/Cambodian, Chinese, Korean, other Indic language

- C. If the list of languages identified under Section I.B. has been modified with approval of the EEA EJ Director, provide a list of approved languages that the project will use to provide public involvement opportunities during the course of MEPA review. If the list has been expanded by the Proponent (without input from the EEA EJ Director), provide a list of the additional languages that will be used to provide public involvement opportunities during the course of MEPA review as required by Part II of the MEPA Public Involvement Protocol for Environmental Justice Populations ("MEPA EJ Public Involvement Protocol"). If the project is exempt from Part II of the protocol, please specify.

II. Potential Effects on EJ Populations

- A. If an EJ population has been identified using the EJ Maps Viewer within 1 mile of the project site, describe the likely effects of the project (both adverse and beneficial) on the identified EJ population(s).

Adverse: there will be a slight increase in traffic (20 trips per day).

Beneficial: quicker response time to fire and emergency situations in the neighborhood. There will also be a community center in the fire station.

- B. If an EJ population has been identified using the EJ Maps Viewer within 5 miles of the project site, will the project: (i) meet or exceed MEPA review thresholds under 301 CMR 11.03(8)(a)-(b) ___ Yes ___X___ No; or (ii) generate 150 or more new average daily trips (adt) of diesel vehicle traffic, excluding public transit trips, over a duration of 1 year or more. ___ Yes ___X___ No
- C. If you answered "Yes" to either question in Section II.B., describe the likely effects of the project (both adverse and beneficial) on the identified EJ population(s).

III. Public Involvement Activities

A. Provide a description of activities conducted prior to filing to promote public involvement by EJ populations, in accordance with Part II of the MEPA EJ Public Involvement Protocol. In particular:

1. If advance notification was provided under Part II.A., attach a copy of the Environmental Justice Screening Form and provide list of CBOs/tribes contacted (with dates). Copies of email correspondence can be attached in lieu of a separate list.
2. State how CBOs and tribes were informed of ways to request a community meeting, and if any meeting was requested. If public meetings were held, describe any issues of concern that were raised at such meetings, and any steps taken (including modifications to the project design) to address such concerns.
3. If the project is exempt from Part II of the protocol, please specify.

The ENF filing for this project will take place during the transition period from January 1st to February 28th, 2022. As such the project is not required to comply with the 45-day advanced notification requirement in Part II prior to filing. See attachment 15 for a copy of the Environmental Justice Screening Form.

B. Provide below (or attach) a distribution list (if different from the list in Section III.A. above) of CBOs and tribes, or other individuals or entities the Proponent intends to maintain for the notice of the MEPA Site Visit and circulation of other materials and notices during the course of MEPA review.

See attachment 14 for a copy of the Environmental Justice List.

C. Describe (or submit as a separate document) the Proponent's plan to maintain the same level of community engagement throughout the MEPA review process, as conducted prior to filing.

Given the positive community impact of the fire station, further community meetings are not anticipated. However, questions regarding the project (including requests for translation and/or interpretation) may be made via Jackie McLaughlin in the Office of the Mayor.

CERTIFICATIONS:

1. The Public Notice of Environmental Review has been/will be published in the following newspapers in accordance with 301 CMR 11.15(1):

(Name) Revere Journal (Date) March 2, 2022

2. This form has been circulated to Agencies and Persons in accordance with 301 CMR 11.16(2).

Signatures:

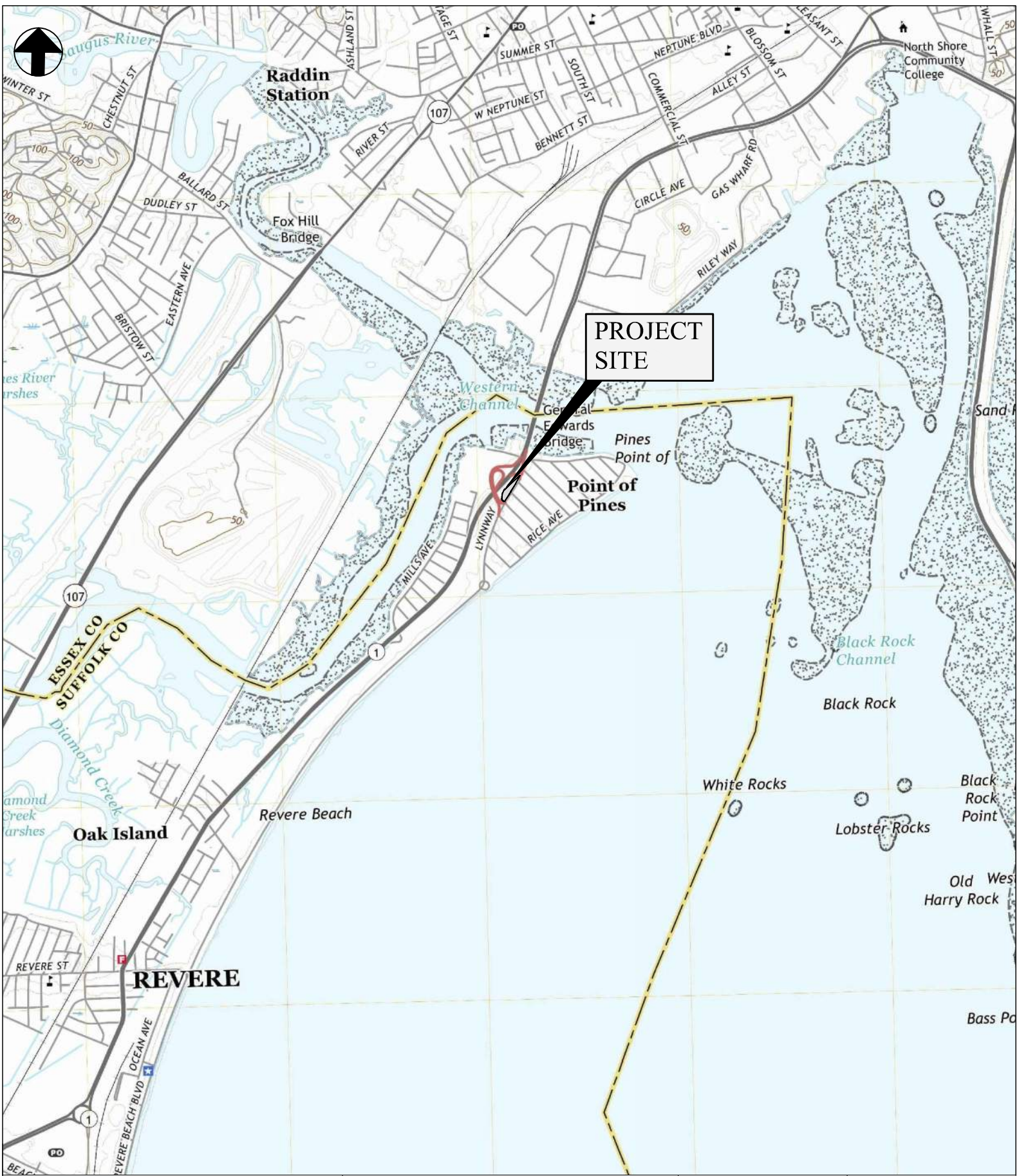
01/19/2022 [Signature] 2/28/22 [Signature]
Date Signature of Responsible Officer Date Signature of person preparing
or Proponent ENF (if different from above)

<u>Paul Cheever</u> Name (print or type)	<u>Chris Emilius</u> Name (print or type)
<u>City of Revere</u> Firm/Agency	<u>Brennan Consulting, Inc.</u> Firm/Agency
<u>400 Broadway Rear</u> Street	<u>24 Ray Avenue</u> Street
<u>Revere, MA</u> Municipality/State/Zip	<u>Burlington, MA, 01803</u> Municipality/State/Zip
<u>781-286-8362 x64041</u> Phone	<u>781-273-3434 x100</u> Phone

ATTACHMENTS

ATTACHMENT 1

USGS MAP



Project Civil Engineer

Brennan Consulting
ENGINEERING • TRANSPORTATION • SURVEYING
BRENNAN CONSULTING, INC.
24 Ray Avenue, Suite 203
Burlington, MA 01803
781.273.3434
www.brennanconsults.com

Project Location

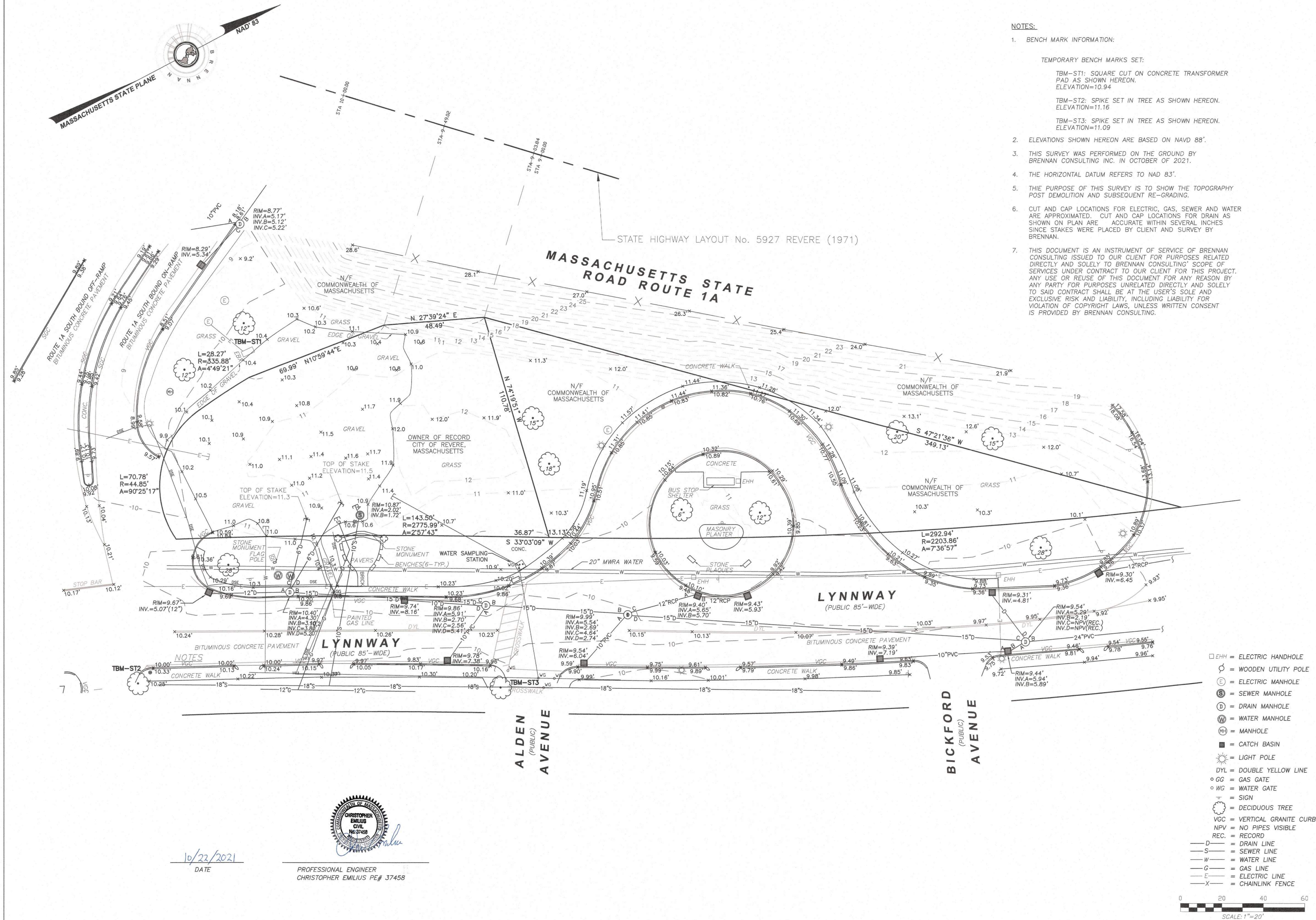
ALDEN FIRE STATION
140 Lynnway
Revere, MA

SCALE: 1"=2000'

DRAWN BY: WCG
CHECKED BY: CE
ISSUED: 03.31.21
REVISED:

**LOCUS
MAP**

**ATTACHMENT 2
SITE PLAN AS-BUILT
(EXISTING CONDITIONS)**



**SITE PLAN AS-BUILT
ALDEN A. MILLS FIRE STATION
LOCATED IN
REVERE, MASSACHUSETTS
(SUFFOLK COUNTY)**

**PREPARED FOR
WINTER STREET ARCHITECTS**

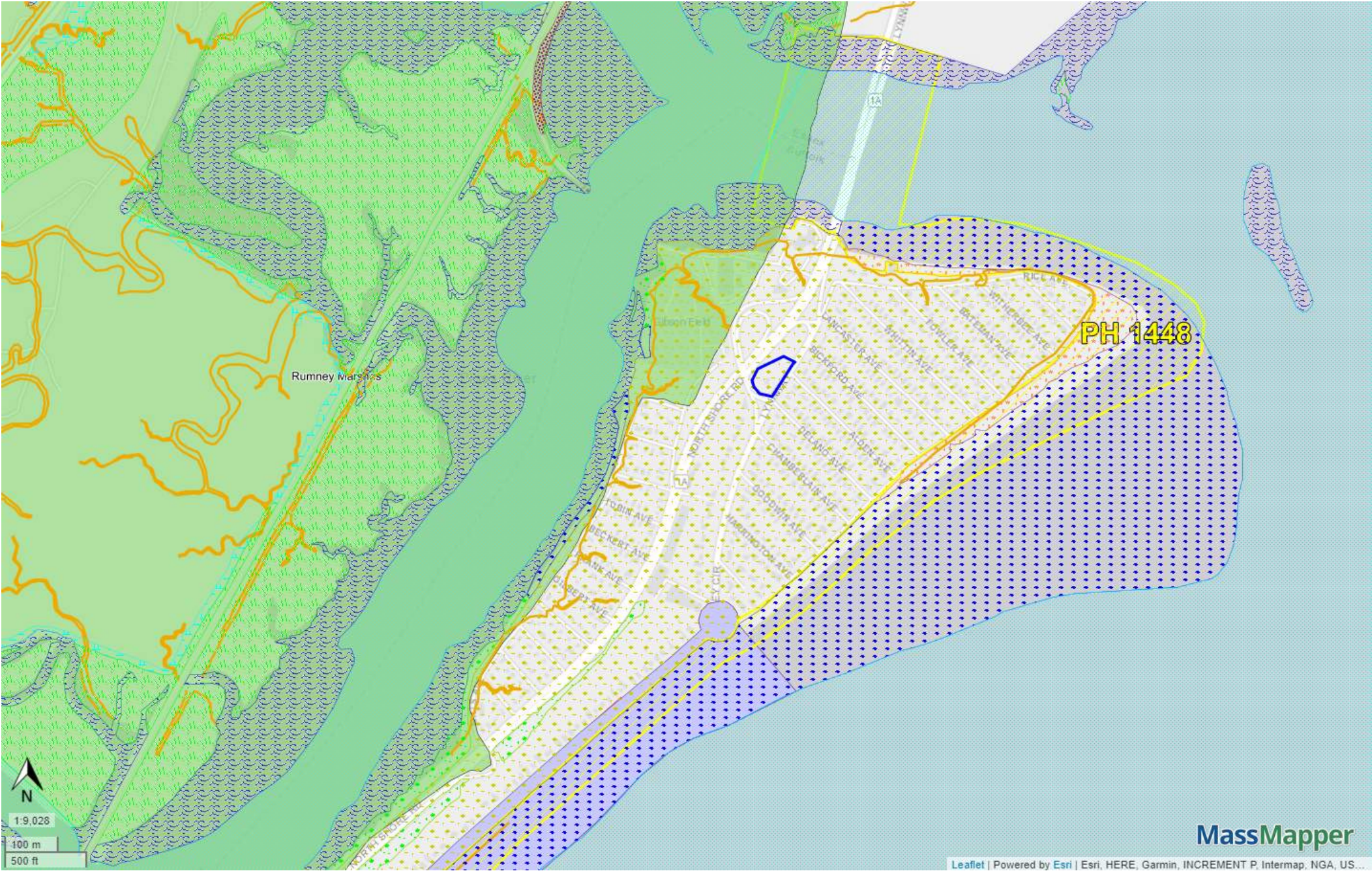
[illegible]

SHEET 1 OF 1

ATTACHMENT 3

ENVIRONMENTAL CONSTRAINTS MAPS

140 Lynnway Revere - Environmental Constraints



DEP Wetlands Detailed With Outlines

- Barrier Beach System
- Barrier Beach-Deep Marsh
- Barrier Beach-Wooded Swamp Mixed Trees
- Barrier Beach-Coastal Beach
- Barrier Beach-Coastal Dune
- Barrier Beach-Marsh
- Barrier Beach-Salt Marsh
- Barrier Beach-Shrub Swamp
- Barrier Beach-Wooded Swamp Coniferous
- Barrier Beach-Wooded Swamp Deciduous
- Bog
- Coastal Bank Bluff or Sea Cliff
- Coastal Beach
- Coastal Dune
- Cranberry Bog
- Deep Marsh
- Barrier Beach-Open Water
- Open Water
- Rocky Intertidal Shore
- Salt Marsh
- Shallow Marsh Meadow or Fen
- Shrub Swamp
- Tidal Flat
- Wooded Swamp Coniferous
- Wooded Swamp Deciduous
- Wooded Swamp Mixed Trees

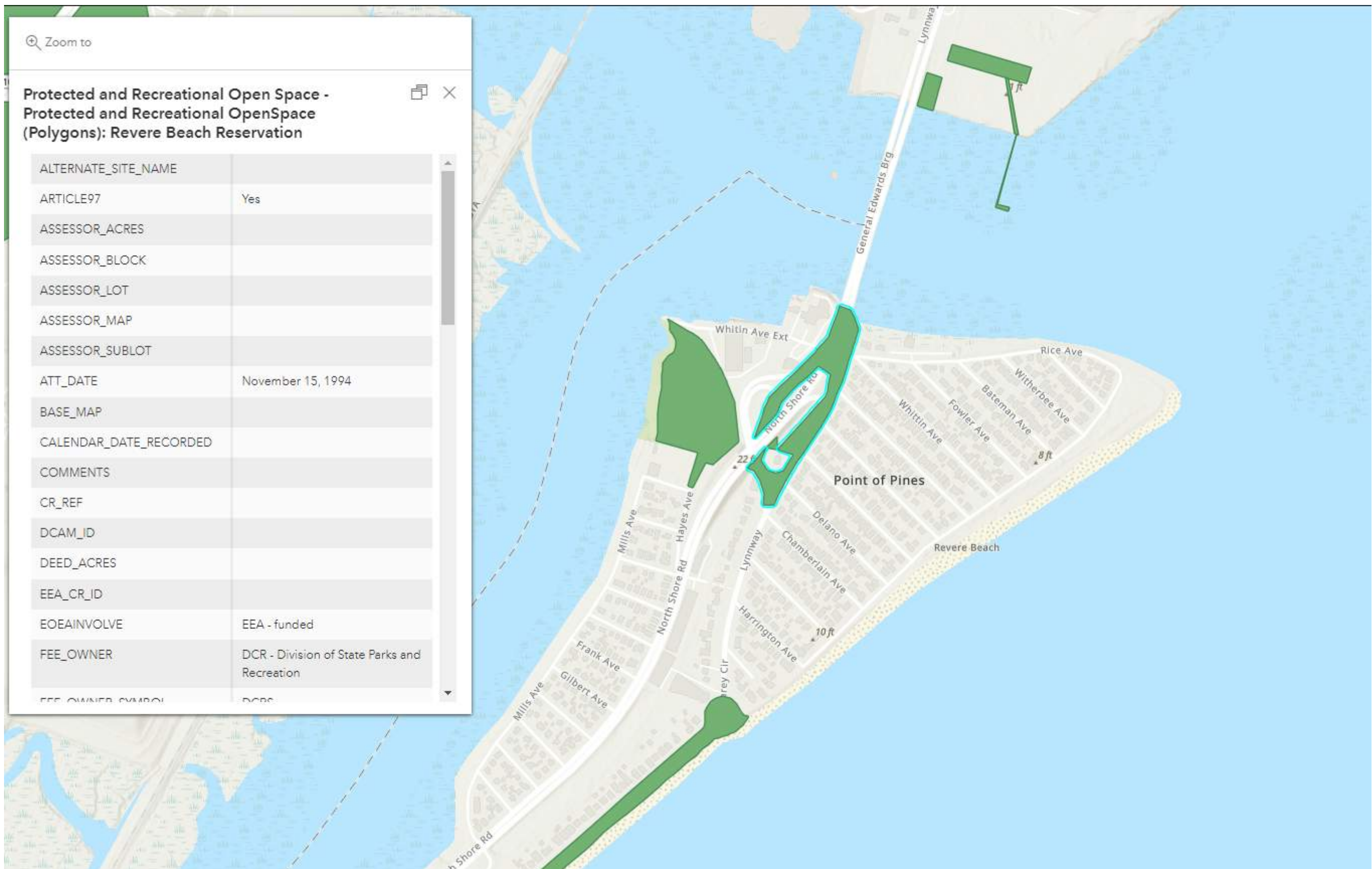
Tidelands Jurisdiction Chapter 91 Jurisdiction

- Areas of Critical Environmental Concern ACECs Transparent Green
- NHESP Priority Habitats of Rare Species

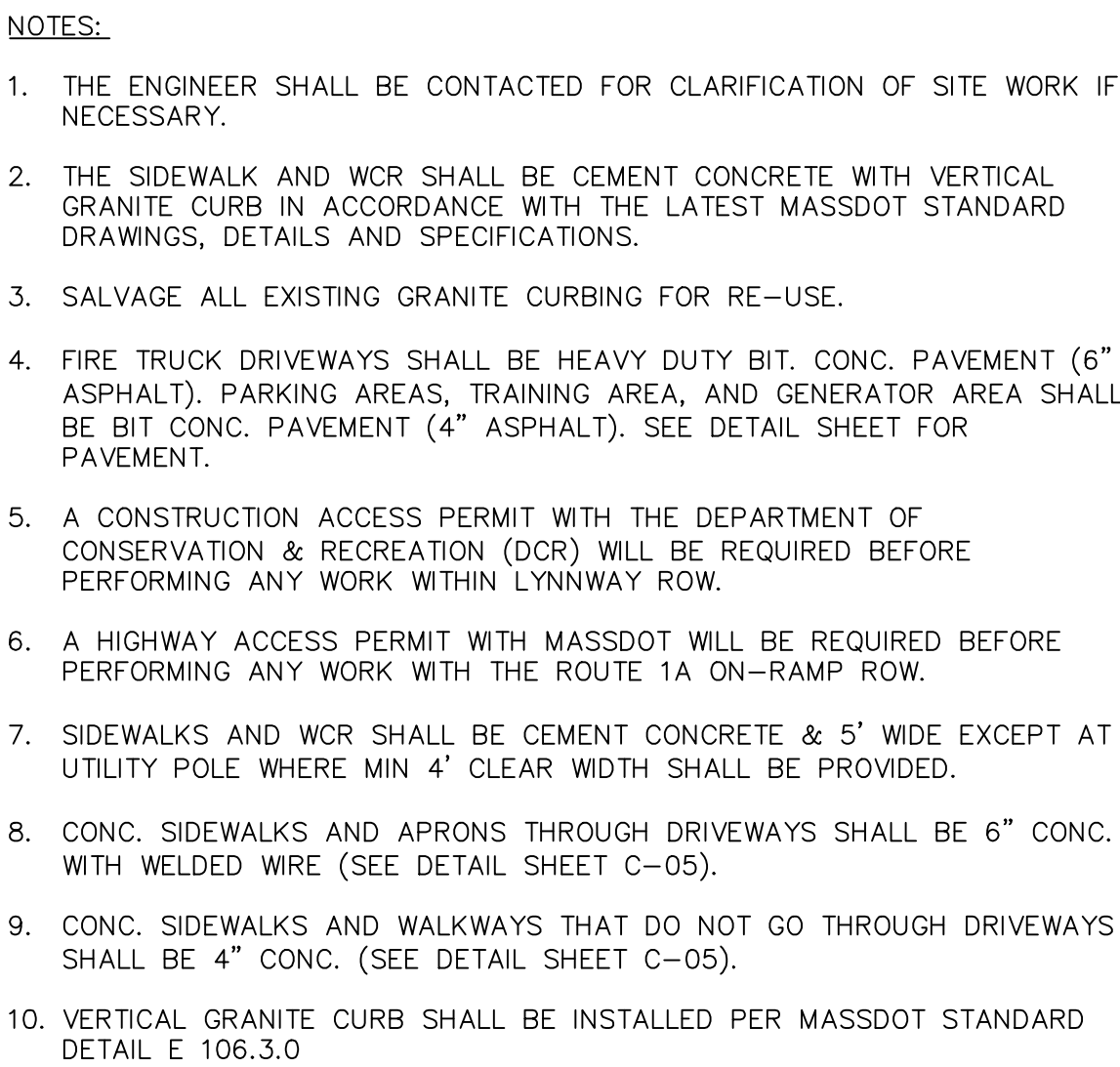
MassHistoric Commission Inventory (Areas)

- National Register of Historic Places
- Preservation Restriction
- Massachusetts Historic Landmark
- Local Historic District
- NRHP and LHD
- Inventoried Property

ATTACHMENT 4
ARTICLE 97 LAND MAP



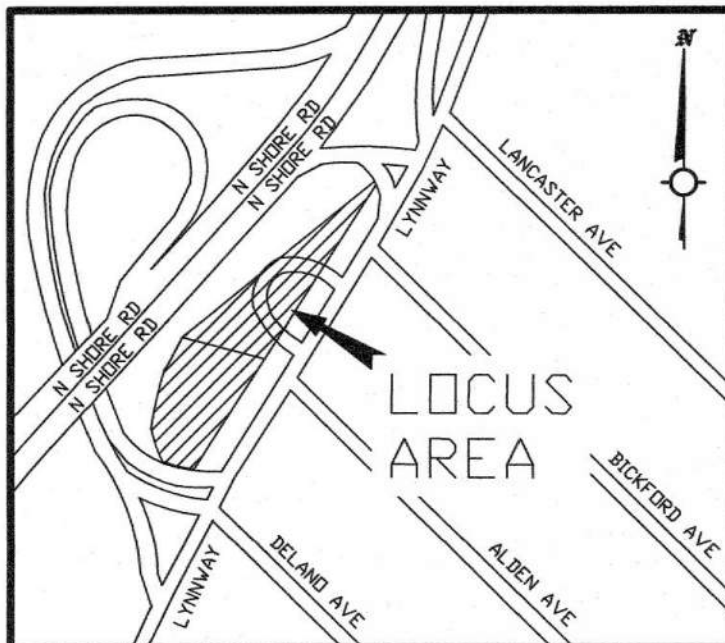
ATTACHMENT 5 PROPOSED SITE PLAN



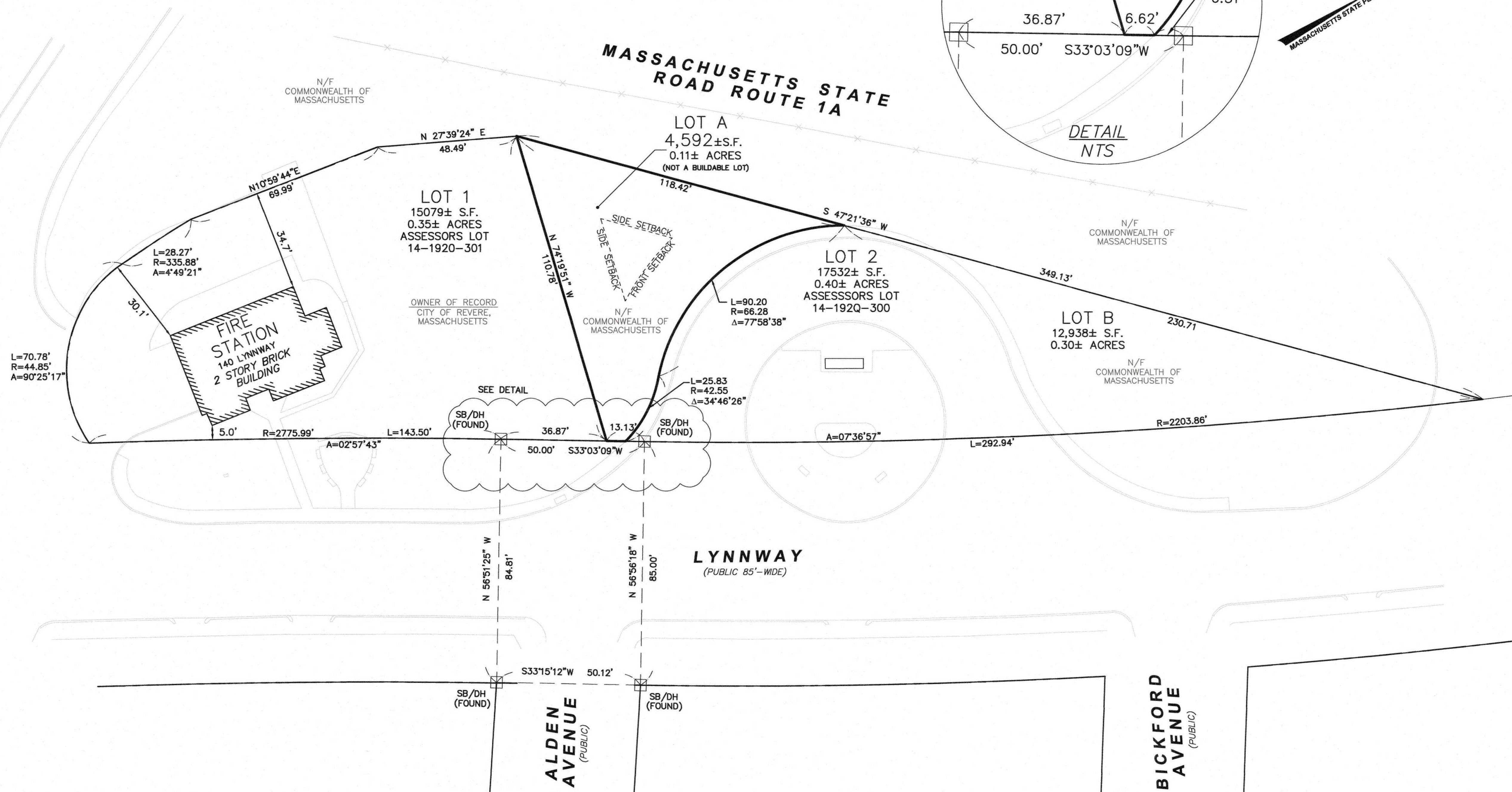
C-03

ATTACHMENT 6

ANR PLAN



LOCUS MAP:
NOT TO SCALE



APPROVAL UNDER THE SUBDIVISION
CONTROL LAW NOT REQUIRED
CITY OF REVERE PLANNING BOARD

DATE: _____

NO DETERMINATION OF COMPLIANCE
WITH ZONING REQUIREMENTS HAS
BEEN MADE OR INTENDED.

CURRENT ZONING INFORMATION:			
ZONING DISTRICT: RA			
ZONING ORDINANCE OF THE CITY OF REVERE			
MINIMUM LOT AREA	6,000 SQ FT		
SETBACKS	SIDE YARD 20'	FRONT YARD 20'	REAR YARD 30'
FRONTAGE	60'		
USABLE OPEN SPACE (% OF TOTAL AREA)	35%		
MAXIMUM BUILDING COVERAGE	30%		
MAX HGT. (FT.)	30'		
MAX STORIES	2 1/2		

NOTES

- THIS SURVEY WAS PERFORMED ON THE GROUND BY BRENNAN CONSULTING INC. IN AUGUST OF 2019.
- THE HORIZONTAL DATUM REFERS TO NAD 83'.
- THE PURPOSE OF THIS PLAN IS TO DIVIDE CITY OF REVERE ASSESSORS LOT 14-192Q-300 INTO TWO LOTS A AND B, LOT A BEING A NON BUILDABLE LOT TO BE COMBINED WITH CITY OF REVERE ASSESSORS LOT 14-192Q-301 AS SHOWN HEREON.
- THIS DOCUMENT IS AN INSTRUMENT OF SERVICE OF BRENNAN CONSULTING ISSUED TO OUR CLIENT FOR PURPOSES RELATED DIRECTLY AND SOLELY TO BRENNAN CONSULTING'S SCOPE OF SERVICES UNDER CONTRACT TO OUR CLIENT FOR THIS PROJECT. ANY USE OR REUSE OF THIS DOCUMENT FOR ANY REASON BY ANY PARTY FOR PURPOSES UNRELATED DIRECTLY AND SOLELY TO SAID CONTRACT SHALL BE AT THE USER'S SOLE AND EXCLUSIVE RISK AND LIABILITY, INCLUDING LIABILITY FOR VIOLATION OF COPYRIGHT LAWS, UNLESS WRITTEN CONSENT IS PROVIDED BY BRENNAN CONSULTING.

WE HEREBY CERTIFY THAT THIS PLAN WAS
PREPARED IN ACCORDANCE WITH THE RULES
AND REGULATIONS OF THE REGISTERS OF DEEDS.



PROFESSIONAL LAND SURVEYOR FOR BRENNAN CONSULTING

REVISIONS

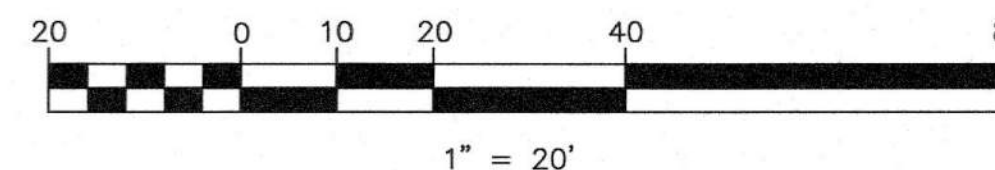
NO.	DATE	DESCRIPTION	BY	CHK'D

PLANS OF RECORD

-23333 V.T.
-MDC PLAN 174
-5227-1
-5927-2
-7604 PAGE 475

LOCUS DEED

BOOK 7604, PAGE 475



APPROVAL NOT REQUIRED (ANR) PLAN
LOCATED IN
REVERE, MASSACHUSETTS
(SUFFOLK COUNTY)

PREPARED FOR
WINTER STREET ARCHITECTS
SCALE: 1"= 20' DATE: JUNE 8, 2021

Brennan Consulting
ENGINEERING • TRANSPORTATION • SURVEYING
24 RAY AVENUE, BURLINGTON, MA
PHONE: (781) 273-3434 FAX: (781) 273-3430

JUNE 8, 2021

PROJECT No. 19954B

ATTACHMENT 7 EENF CIRCULATION LIST

EENF and EIR Distribution List

1. Massachusetts Environmental Policy Act (MEPA) Office

MEPA@mass.gov
MEPA Office
100 Cambridge Street, Suite 900
Boston, MA 02144

2. MassDEP – Boston Office

helena.boccadoro@mass.gov
Commissioner's Office
One Winter Street
Boston, MA 02108

3. MassDEP – Northeast Regional Office

john.d.viola@mass.gov
Attn: MEPA Coordinator
205B Lowell Street
Wilmington, MA 01887

4. MassDOT – Public/Private Development Unit

MassDOTPPDU@dot.state.ma.us
Public/Private Development Unit
10 Park Plaza, Suite #4150
Boston, MA 02116

5. MassDOT – District 4 Office

timothy.paris@dot.state.ma.us
Attn: MEPA Coordinator
519 Appleton Street
Arlington, MA 02476

6. Metropolitan Area Planning Council

mpillsbury@mapc.org
afelix@mapc.org
60 Temple Place, 6th Floor
Boston, MA 02111

7. Massachusetts Coastal Zone Management

robert.boeri@mass.gov
patrice.bordonaro@mass.gov
Coastal Zone Management
Attn: Project Review Coordinator
251 Causeway Street, Suite 800
Boston, MA 02114

- 8. Division of Marine Fisheries**
DMF.EnvReview-North@mass.gov
DMF – North Shore
Attn: Environmental Reviewer
30 Emerson Avenue
Gloucester, MA 01930
- 9. Department of Conservation & Recreation**
andy.backman@mass.gov
Attn: MEPA Coordinator
251 Causeway Street, Suite 600
Boston, MA 02114
- 10. EEA Environmental Justice Director - Rishi Reddi**
MEPA-EJ@mass.gov
MEPA Office
Attn: EEA EJ Director
100 Cambridge Street, Suite 900
Boston, MA 02144
- 11. Department of Public Health**
dphtoxicology@massmail.state.ma.us
Director of Environmental Health
250 Washington Street
Boston, MA 02115
- 12. Massachusetts Water Resource Authority**
katherine.ronan@mwra.com
Attn: MEPA Coordinator
100 First Avenue
Charlestown Navy Yard
Boston, MA 02129
- 13. City of Revere:**
 - a. City Council**
Gerry Visconti
gvisconti@revere.org
 - b. Department of Planning and Community Development**
Tech Leng
tleng@revere.org
 - c. Conservation Commission**
concom@revere.org
 - d. Board of Health**
Dr. Nathalee Kong
nkong@revere.org
 - e. Public Library**
rev@noblenet.org

**ATTACHMENT 8
MUNICIPAL AND FEDERAL PERMITS
AND REVIEWS LIST**

MUNICIPAL AND FEDERAL PERMITS AND REVIEWS LIST

1. Massachusetts Department of Transportation (MassDOT)

- State Highway Access Permit (Category III Vehicular)
- State Highway Access Permit (Non-Vehicular)

2. Department of Conservation and Recreation (DCR)

- Construction and Access Permit

3. Massachusetts Water Resource Authority (MWRA)

- MWRA 8m Permit

ATTACHMENT 9
RMAT CLIMATE RESILIENCE DESIGN
STANDARDS TOOL PRINTOUT

RMAT Climate Resilience Design Standards Tool Project Report

140 Lynnway - Revere MA - Revised

Date Created: 2/24/2022 3:41:24 PM

Created By: cemilius

[Download](#)

Project Summary

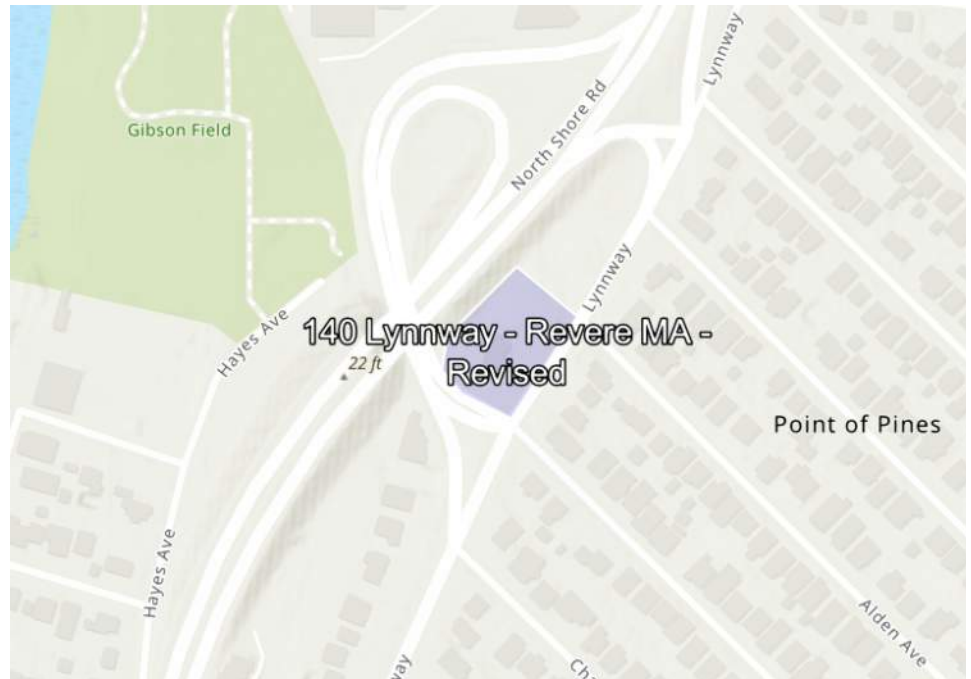
[Link to Project](#)

Estimated Construction Cost: \$10400000.00

End of Life Year: 2052

Project within mapped Environmental Justice population: Yes

Ecosystem Benefits	Scores
Project Score	Low
Exposure	Scores
Sea Level Rise/Storm Surge	Moderate Exposure
Extreme Precipitation - Urban Flooding	High Exposure
Extreme Precipitation - Riverine Flooding	Not Exposed
Extreme Heat	High Exposure



Asset Summary

Number of Assets: 1

Asset Risk	Sea Level Rise/Storm Surge	Extreme Precipitation - Urban Flooding	Extreme Precipitation - Riverine Flooding	Extreme Heat
Alden Fire Department	Moderate Risk	High Risk	Low Risk	High Risk

Project Outputs

	Target Planning Horizon	Intermediate Planning Horizon	Percentile	Return Period	Tier
Sea Level Rise/Storm Surge					
Alden Fire Department	2050			50-yr (2%)	Tier 2
Extreme Precipitation					
Alden Fire Department	2050			10-yr (10%)	Tier 2
Extreme Heat					
Alden Fire Department	2050		50th		Tier 2

Scoring Rationale - Exposure

Sea Level Rise/Storm Surge

This project received a "Moderate Exposure" because of the following:

- Exposed to the 1% annual coastal flood event as early as 2030
- Located within the 0.1% annual coastal flood event within the project's useful life
- Not located within the predicted mean high water shoreline by 2030

Extreme Precipitation - Urban Flooding

This project received a "High Exposure" because of the following:

- Increased impervious area
- Maximum annual daily rainfall exceeds 10 inches within the overall project's useful life
- No historic flooding at project site

- Existing impervious area of the project site is between 10% and 50%

Extreme Precipitation - Riverine Flooding

This project received a "Not Exposed" because of the following:

- No historic riverine flooding at project site
- The project is not within a mapped FEMA floodplain [outside of the Massachusetts Coast Flood Risk Model (MC-FRM)]
- Project is more than 500ft from a waterbody
- Project is not likely susceptible to riverine erosion

Extreme Heat

This project received a "High Exposure" because of the following:

- Increased impervious area
- Existing trees are being removed as part of the proposed project
- Less than 10% of the existing project site has canopy cover
- 10 to 30 day increase in days over 90 deg. F within project's useful life
- Located within 100 ft of existing water body

Scoring Rationale - Asset Risk Scoring

Asset - Alden Fire Department

Primary asset criticality factors influencing risk ratings for this asset:

- Asset can be inaccessible/inoperable more than a week after natural hazard event without consequences
- Less than 10,000 people would be directly affected by the loss/inoperability of the asset
- The building is located in an environmental justice community, and/or does provide services to vulnerable populations
- Inoperability of the asset would be expected to result in minor impacts to people's health, including minor injuries or minor impacts to chronic illnesses
- Cost to replace is less than \$10 million
- Impact on natural resources can be mitigated naturally with the inoperability of the asset

Project Design Standards Output

Asset: Alden Fire Department

Building/Facility

Sea Level Rise/Storm Surge

Moderate Risk

Target Planning Horizon: 2050

Intermediate Planning Horizon: Not Applicable

Return Period: 50-yr (2%)

Applicable Design Criteria

Tiered Methodology: Tier 2 ([Link](#))

Tidal Benchmarks: No

Stillwater Elevation: Yes

Design Flood Elevation (DFE): Yes

Wave Heights: Yes

Duration of Flooding: Yes

Design Flood Velocity: Yes

Wave Forces: Yes

Scour or Erosion: No

Extreme Precipitation

High Risk

Target Planning Horizon: 2050

Return Period: 10-yr (10%)

Applicable Design Criteria

Tiered Methodology: Tier 2 ([Link](#))

Total Precipitation Depth for 24-hour Design Storms: Yes

Peak Intensity for 24-hour Design Storms: Yes

Riverine Peak Discharge: No

Riverine Peak Flood Elevation: No
Duration of Flooding for Design Storm: Yes
Flood Pathways: No

Extreme Heat

High Risk

Target Planning Horizon: 2050
Percentile: 50th Percentile

Applicable Design Criteria

Tiered Methodology: Tier 2 ([Link](#))

Annual/Summer/Winter Average Temperature: Yes

Heat Index: Yes

Days Per Year With Max Temperature > 95°F: Yes

Days Per Year With Max Temperature > 90°F: Yes

Days Per Year With Max Temperature < 32°F: Yes

Number of Heat Waves Per Year: Yes

Average Heat Wave Duration (Days): Yes

Cooling Degree Days (Base = 65°F): Yes

Heating Degree Days (Base = 65°F): Yes

Growing Degree Days: No

Project Inputs

Core Project Information

Name:	140 Lynnway - Revere MA - Revised
Given the expected useful life of the project, through what year do you estimate the project to last (i.e. before a major reconstruction/renovation)?	2052
Location of Project:	Revere
Estimated Capital Cost:	\$10,400,000
Who is the Submitting Entity?	City/Town Revere Cam Gosine (cgosine@brennanconsults.com)
Is this project identified as a priority project in the Municipal Vulnerability Preparedness (MVP) plan or the local or regional Hazard Mitigation Plan (HMP)?	No
Is this project being submitted as part of a state grant application?	No
Which grant program?	
What stage are you in your project lifecycle?	Permitting
Is climate resiliency a core objective of this project?	No
Is this project being submitted as part of the state capital planning process?	No
Is this project being submitted as part of a regulatory review process or permitting?	No
Brief Project Description:	Redeveloped fire station.
Project Submission Comments:	

Project Ecosystem Benefits

Factors Influencing Output

- ✓ Project reduces storm damage
- ✓ Project recharges groundwater
- ✓ Project filters stormwater using green infrastructure
- ✓ Project improves water quality

Factors to Improve Output

- ✓ Incorporate nature-based solutions that may provide flood protection
- ✓ Protect public water supply by reducing the risk of contamination, pollution, and/or runoff of surface and groundwater sources used for human consumption
- ✓ Incorporate strategies that reduce carbon emissions
- ✓ Incorporate nature-based solutions that sequester carbon
- ✓ Increase biodiversity, protect critical habitat for species, manage invasive populations, and/or provide connectivity to other habitats
- ✓ Preserve, enhance, and/or restore coastal shellfish habitats
- ✓ Incorporate vegetation that provides pollinator habitat
- ✓ Identify opportunities to remediate existing sources of pollution
- ✓ Provide opportunities for passive and/or active recreation through open space
- ✓ Increase plants, trees, and/or other vegetation to provide oxygen production
- ✓ Mitigate atmospheric greenhouse gas concentrations and other toxic air pollutants through nature-based solutions
- ✓ Identify opportunities to prevent pollutants from impacting ecosystems
- ✓ Incorporate education and/or protect cultural resources as part of your project

Is the primary purpose of this project ecological restoration?

No

Project Benefits

Provides flood protection through nature-based solutions

No

Reduces storm damage	Yes
Recharges groundwater	Yes
Protects public water supply	No
Filters stormwater using green infrastructure	Yes
Improves water quality	Yes
Promotes decarbonization	No
Enables carbon sequestration	No
Provides oxygen production	No
Improves air quality	No
Prevents pollution	No
Remediates existing sources of pollution	No
Protects fisheries, wildlife, and plant habitat	No
Protects land containing shellfish	No
Provides pollinator habitat	No
Provides recreation	No
Provides cultural resources/education	No

Project Climate Exposure

Is the primary purpose of this project ecological restoration?	No
Does the project site have a history of coastal flooding?	No
Does the project site have a history of flooding during extreme precipitation events (unrelated to water/sewer damages)?	No
Does the project site have a history of riverine flooding?	No
Does the project result in a net increase in impervious area of the site?	Yes
Are existing trees being removed as part of the proposed project?	Yes

Project Assets

Asset: Alden Fire Department
Asset Type: Typically Occupied
Asset Sub-Type: Emergency operations/response building (fire, police, etc.)
Construction Type: New Construction
Construction Year: 2022
Useful Life: 30

Identify the length of time the asset can be inaccessible/inoperable without significant consequences.

Building may be inaccessible/inoperable more than a week after natural hazard event without consequences

Identify the geographic area directly affected by permanent loss or significant inoperability of the building/facility.

Impacts would be limited to local area and/or municipality

Identify the population directly served that would be affected by the permanent loss of use or inoperability of the building/facility.

Less than 10,000 people

Identify if the building/facility is located within an environmental justice community or provides services to vulnerable populations.

The building is located in an environmental justice community, and/or provides some services to vulnerable populations (services are not available elsewhere to same population)

If the building/facility became inoperable for longer than acceptable in Question 1, how, if at all, would it be expected to impact people's health and safety?

Inoperability of the building/facility would be expected to result in minor impacts to people's health, including minor injuries or minor impacts to chronic illnesses

If there are hazardous materials in your building/facility, what are the extent of impacts related to spills/releases of these materials?

There are no hazardous materials in the building/facility

If the building/facility became inoperable for longer than acceptable in Question 1, what are the impacts on other facilities, assets, and/or infrastructure?

Minor – Inoperability will not likely affect other facilities, assets, or buildings

If this building/facility was damaged beyond repair, how much would it approximately cost to replace?

Less than \$10 million

Is this a recreational facility which can be vacated during a natural hazard event?

No

If the building/facility became inoperable for longer than acceptable in Question 1, what are the public and/or social services impacts?

Some alternative programs and/or services are available to support the community

If the building/facility became inoperable for longer than acceptable in Question 1, what are the environmental impacts related to natural resources?

Impact on natural resources can be mitigated naturally

If the building/facility became inoperable for longer than acceptable in Question 1, what are the impacts to government services (i.e. the building is not able to serve or operate its intended users or function)?

Loss of building may reduce the ability to maintain some government services, while a majority of services will still exist.

If the building/facility became inoperable for longer than acceptable in Question 1, what are the impacts to loss of confidence in government (i.e. the building is not able to serve or operate its intended users or function)?

Reduced morale and public support

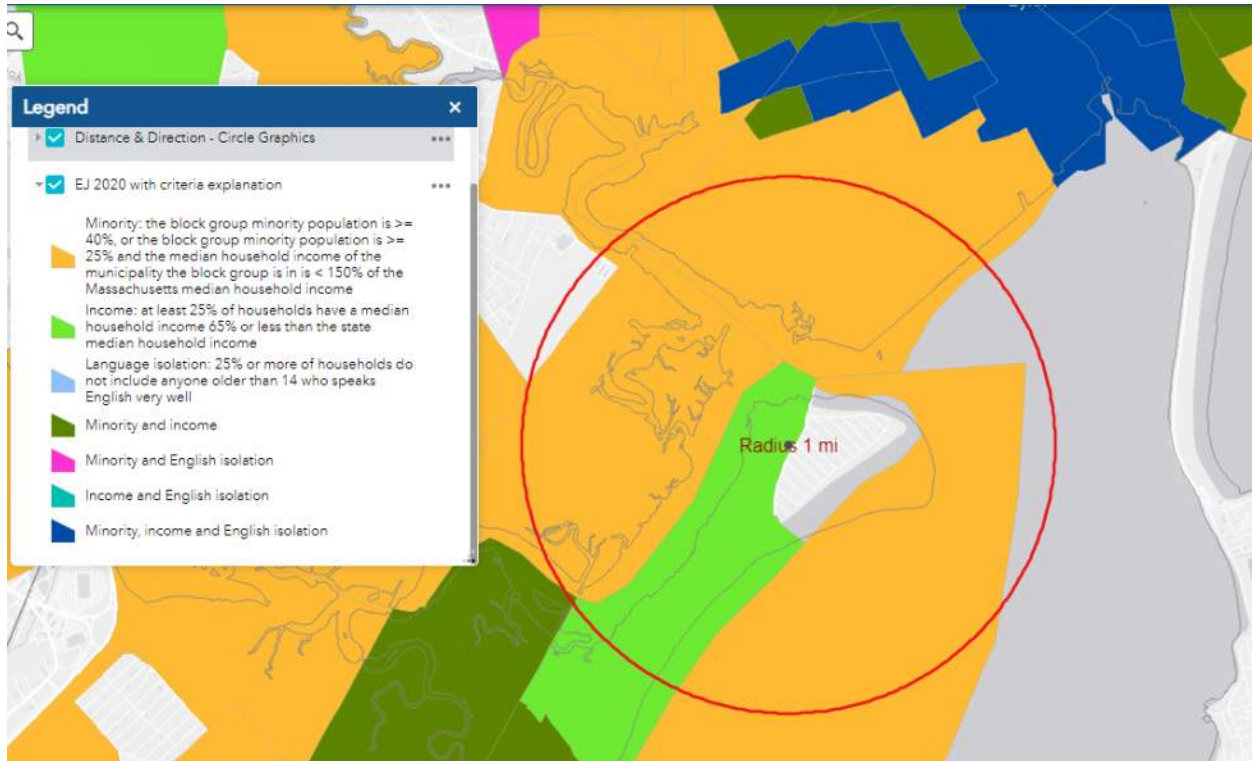
Report Comments

N/A

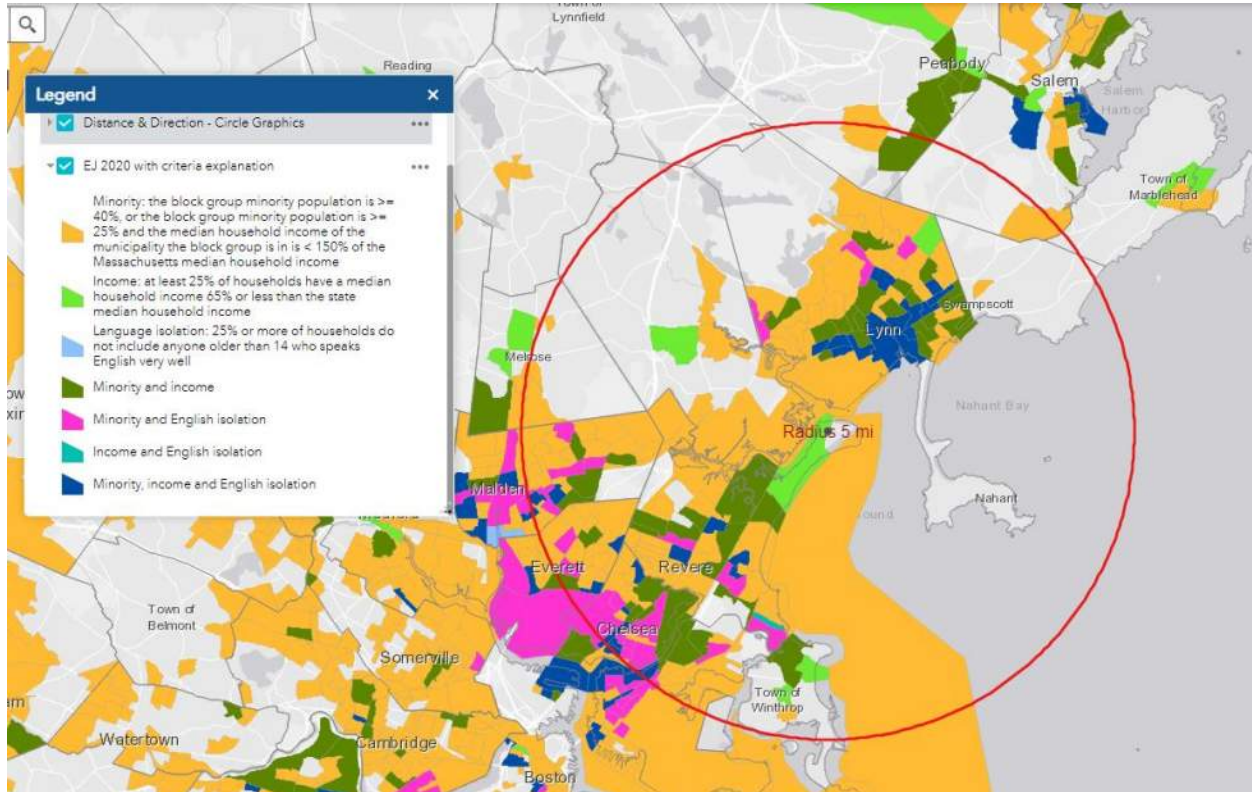
**ATTACHMENT 10
ENVIRONMENTAL JUSTICE
POPULATION MAPS**

Brennan Consulting

ENGINEERING • TRANSPORTATION • SURVEYING



ENVIRONMENTAL JUSTICE POPULATION MAP – 1 MILE



ENVIRONMENTAL JUSTICE POPULATION MAP – 5 MILES

ATTACHMENT 11
GREENHOUSE GAS EMISSIONS
ANALYSIS

Emissions Footprint Estimation Tool

The objective of this tool is to provide an estimate of project emissions without having to do energy modeling.

- To use the tool:
- populate the area of each proposed building (column C), in square feet.
 - use the pull down menu to select building use (column D)

For mixed use buildings, use multiple rows. For example, if a building is proposed to be 10,000-sf ground floor retail and 40,000-sf residential use two rows, one for the retail and one for the residential.

If more then twenty rows are needed, use multiples of this spreadsheet and sum the totals.

Emissions estimates are based on pre-solved prototypes and utility emission rates. See the "calculations" sheet for more details.

	Building Area (sf)	Building Use (choose one for each row)	Estimated Emissions	
			(lbs CO2/sf-yr)	(tons per year)
1	8,190	Lab/office	32.7	134
2			-	-
3			-	-
4			-	-
5			-	-
5			-	-
6			-	-
7			-	-
8			-	-
9			-	-
10			-	-
11			-	-
12			-	-
13			-	-
14			-	-

ATTACHMENT 12

MASSDEP IMPAIRED WATER BODIES

Category 4a waters listed alphabetically by major watershed

"TMDL is completed"

Water Body	Segment ID	Description	Size	Units	Pollutants Addressed By TMDL	EPA TMDL No.
Essex Bay	MA93-16	The waters landward of Ipswich Bay contained within an imaginary line drawn from the northwestern tip of Gloucester near Coffins Beach to the southern tip of Castle Neck, Ipswich to the eastern most point of Dilly Island, Essex (mouth of Castle Neck River) and then from Cross Island, Essex to Conomo Point, Essex (mouth of Essex River) excluding Walker, Lanes, and Farm creeks.	0.97	Square Miles	Fecal Coliform	50121
Essex River	MA93-11	Source east of Southern Avenue, Essex to mouth at Essex Bay, Essex.	0.51	Square Miles	Fecal Coliform	50121
Frost Fish Brook	MA93-36	From Cabot Road, Danvers to mouth at confluence with Porter River, Route 62, Danvers.	1.00	Miles	Escherichia Coli (E. Coli)	50120
					Fecal Coliform	50120
Hawkes Brook	MA93-32	Headwaters near the Lynn/Lynnfield border to the inlet of Hawkes Pond, Lynnfield.	2.60	Miles	Escherichia Coli (E. Coli)	50120
					Fecal Coliform	50120
Hawkes Brook	MA93-33	From outlet of Hawkes Pond, Saugus to mouth at confluence with Saugus River, Saugus.	1.10	Miles	(Debris*)	
					(Trash*)	
					Escherichia Coli (E. Coli)	50120
					Fecal Coliform	50120
Lynn Harbor	MA93-52	The "inner" portion of Lynn Harbor; the waters landward of an imaginary line drawn from Black Rock Point, Nahant to the eastern edge of Point of Pines, Revere excluding the Saugus River (formerly a portion of MA93-23).	1.62	Square Miles	Enterococcus	50122
					Fecal Coliform	50122
Lynn Harbor	MA93-53	The "outer" portion of Lynn Harbor; the waters landward of an imaginary line drawn from Baileys Hill, Nahant to the eastern point of Winthrop Highlands, Winthrop to the seaward edge of the "inner" portion of Lynn Harbor (at an imaginary line drawn from Black Rock Point, Nahant to the eastern edge of Point of Pines, Revere) (formerly a portion of MA93-23).	6.57	Square Miles	Fecal Coliform	50122
Manchester Harbor	MA93-19	The waters landward of an imaginary line drawn between Gales Point, Manchester and Chubb Point, Manchester excluding Cat Brook.	0.33	Square Miles	Enterococcus	50122
					Fecal Coliform	50122
Marblehead Harbor	MA93-22	The waters landward of an imaginary line drawn northwesterly from the northern tip of Marblehead Neck, Marblehead to Fort Sewall, Marblehead.	0.57	Square Miles	Fecal Coliform	50121
Mill River	MA93-28	Headwaters, outlet Mill Pond, Gloucester to mouth at confluence with Annisquam River, Gloucester.	0.10	Square Miles	Fecal Coliform	50121
Nahant Bay	MA93-24	The waters landward of an imaginary line drawn between Galloupes Point, Swampscott and East Point, Nahant.	5.12	Square Miles	Enterococcus	50121
					Fecal Coliform	50121
Pines River	MA93-15	Headwaters east of Route 1, Revere/Saugus to mouth at confluence with the Saugus River and Lynn Harbor, Saugus/Revere (through Seaplane Basin formerly MA93067).	0.58	Square Miles	Fecal Coliform	50122
Porter River	MA93-04	Headwaters, confluence with Frost Fish Brook, Route 62, Danvers to mouth at confluence with Danvers River, Danvers (includes Porters Pond formerly MA93058).	0.13	Square Miles	Enterococcus	50121
					Fecal Coliform	50121



Category 5 waters listed alphabetically by major watershed
The 303(d) List – "Waters requiring a TMDL"

Water Body	Segment ID	Description	Size	Units	Impairment	EPA TMDL No.
Proctor Brook	MA93-39	Headwaters, outlet small pond in wetland north of Downing Road, Peabody to Grove/Goodhue Street bridge, Salem (formerly part of MA93-06) (interrupted urban).	2.90	Miles	(Debris*)	
					(Trash*)	
					Benthic Macroinvertebrates	
					Escherichia Coli (E. Coli)	50120
					Fecal Coliform	50120
					Nitrogen, Total	
					Phosphorus, Total	
					Sedimentation/Siltation	
Proctor Brook	MA93-40	From Grove/Goodhue Street bridge, Salem to mouth at Route 114 culvert, Salem (formerly part of MA93-06).	0.01	Square Miles	(Debris*)	
					(Trash*)	
					Fecal Coliform	50123
					Flocculant Masses	
					Odor	
					Oil And Grease	
					Scum/Foam	
Salem Harbor	MA93-54	Waters landward of an imaginary line from Naugus Head, Marblehead to the northwest point of Bakers Island, Salem to Hospital Point, Beverly to Juniper Point, Salem (excluding Forest River) (formerly segment MA93-21 Salem Harbor and a portion of segment MA93-25 Salem Sound [waterbody code 93907]).	4.91	Square Miles	Enterococcus	50122
					Estuarine Bioassessments	
					Fecal Coliform	50122
Saugus River	MA93-34	Headwaters, outlet Lake Quannapowitt, Wakefield (thru Reedy Meadow) to Lynn Water & Sewer Commission diversion canal, Wakefield/Lynnfield (canal diverts to Hawks Pond) (formerly part of segment MA93-13).	3.10	Miles	(Fish Passage Barrier*)	
					(Physical substrate habitat alterations*)	
					Algae	
					Escherichia Coli (E. Coli)	50120
					Fecal Coliform	50120
					Nitrogen, Total	
					Phosphorus, Total	
					Turbidity	
Saugus River	MA93-43	From Saugus Iron Works, Bridge Street, Saugus to Lincoln Avenue/Boston Street, Saugus/Lynn (formerly a portion of MA93-14).	0.04	Square Miles	(Flow Regime Modification*)	
					Fecal Coliform	50122
					Oil and Grease	
					Temperature	



Category 5 waters listed alphabetically by major watershed

The 303(d) List – "Waters requiring a TMDL"

Water Body	Segment ID	Description	Size	Units	Impairment	EPA TMDL No.
Saugus River	MA93-44	From Lincoln Avenue/Boston Street, Saugus/Lynn to mouth (east of Route 1A) at Lynn Harbor, Lynn/Revere (formerly a portion of MA93-14).	0.36	Square Miles	(Flow Regime Modification*)	
					Enterococcus	50122
					Fecal Coliform	50122
					Oil and Grease	
					Temperature	
Strangman Pond	MA93076	Gloucester.	3.00	Acres	Algae	
					Aquatic Plants (Macrophytes)	
					Turbidity	
Unnamed Tributary	MA93-51	Unnamed tributary locally known as "Town Line Brook", from Route 99, Malden to mouth at confluence with Pines River, Revere.	0.02	Square Miles	(Alteration in stream-side or littoral vegetative covers*)	
					(Debris*)	
					(Flow Regime Modification*)	
					(Physical substrate habitat alterations*)	
					(Trash*)	
					Fecal Coliform	50123
					Odor	
Unnamed Tributary	MA93-58	Unnamed tributary to Beverly Cove, perennial portion, Route 22, Beverly to saltwater wetlands south of Route 127, Beverly.	2.10	Miles	Escherichia Coli (E. Coli)	
Unnamed Tributary	MA93-59	Unnamed tributary to Chubb Creek, headwaters west of Hale Street, Beverly to mouth at confluence with Chubb Creek east of Route 127, Beverly.	0.80	Miles	Escherichia Coli (E. Coli)	
Upper Banjo Pond	MA93080	Gloucester.	11.00	Acres	Aquatic Plants (Macrophytes)	
					Turbidity	
West Pond	MA93089	Gloucester.	7.00	Acres	Algae	
					Chlorophyll-a	
					Phosphorus, Total	
					Transparency / Clarity	
Parker						
Baldpate Pond	MA91001	Boxford.	60.00	Acres	(Non-Native Aquatic Plants*)	
					Dissolved Oxygen	
					Mercury in Fish Tissue	
Eagle Hill River	MA91-06	Headwaters north of Town Hill, east of Town Farm Road, Ipswich to the mouth at Plum Island Sound, Ipswich.	0.35	Square Miles	Fecal Coliform	
Egypt River	MA91-14	East of Jewett Hill (Latitude 42:42:23.40, Longitude 70:51:47.58 DMS), Ipswich to mouth at confluence with Rowley River, Rowley/Ipswich.	0.03	Square Miles	Fecal Coliform	



**ATTACHMENT 13
EXECUTED DETERMINATION OF
APPLICABILITY**



Massachusetts Department of Environmental Protection
Bureau of Resource Protection - Wetlands

WPA Form 2 – Determination of Applicability

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

A. General Information

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



From:

City of Revere
Conservation Commission

To: Applicant

Christopher P. Bright, Chief of Revere Fire Dept
Name

400 Broadway
Mailing Address

Revere	Ma	02151
City/Town	State	Zip Code

Property Owner (if different from applicant):

City of Revere
Name _____

281 Broadway
Mailing Address

Revere	Ma	02151
City/Town	State	Zip Code

1. Title and Date (or Revised Date if applicable) of Final Plans and Other Documents:

Alden Mills Fire Station
Title

9/19/2019
Date

Title

Date _____

Title

Date _____

2. Date Request Filed:

B. Determination

Pursuant to the authority of M.G.L. c. 131, § 40, the Conservation Commission considered your Request for Determination of Applicability, with its supporting documentation, and made the following Determination.

Project Description (if applicable):

Construction of New Fire Station located at the old Point of Pines Fire Station

Project Location:

140 Lynnway
Street Address

Assessors Map/Plat Number

Revere
City/Town

14-192Q-301
Parcel/Lot Number



Massachusetts Department of Environmental Protection
Bureau of Resource Protection - Wetlands

WPA Form 2 – Determination of Applicability

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

B. Determination (cont.)

The following Determination(s) is/are applicable to the proposed site and/or project relative to the Wetlands Protection Act and regulations:

Positive Determination

Note: No work within the jurisdiction of the Wetlands Protection Act may proceed until a final Order of Conditions (issued following submittal of a Notice of Intent or Abbreviated Notice of Intent) or Order of Resource Area Delineation (issued following submittal of Simplified Review ANRAD) has been received from the issuing authority (i.e., Conservation Commission or the Department of Environmental Protection).

☐ 1. The area described on the referenced plan(s) is an area subject to protection under the Act. Removing, filling, dredging, or altering of the area requires the filing of a Notice of Intent.

☐ 2a. The boundary delineations of the following resource areas described on the referenced plan(s) are confirmed as accurate. Therefore, the resource area boundaries confirmed in this Determination are binding as to all decisions rendered pursuant to the Wetlands Protection Act and its regulations regarding such boundaries for as long as this Determination is valid.

☐ 2b. The boundaries of resource areas listed below are not confirmed by this Determination, regardless of whether such boundaries are contained on the plans attached to this Determination or to the Request for Determination.

☐ 3. The work described on referenced plan(s) and document(s) is within an area subject to protection under the Act and will remove, fill, dredge, or alter that area. Therefore, said work requires the filing of a Notice of Intent.

☐ 4. The work described on referenced plan(s) and document(s) is within the Buffer Zone and will alter an Area subject to protection under the Act. Therefore, said work requires the filing of a Notice of Intent or ANRAD Simplified Review (if work is limited to the Buffer Zone).

☐ 5. The area and/or work described on referenced plan(s) and document(s) is subject to review and approval by:

Name of Municipality

Pursuant to the following municipal wetland ordinance or bylaw:

Name

Ordinance or Bylaw Citation



Massachusetts Department of Environmental Protection
Bureau of Resource Protection - Wetlands

WPA Form 2 – Determination of Applicability

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

B. Determination (cont.)

- ☐ 6. The following area and/or work, if any, is subject to a municipal ordinance or bylaw but not subject to the Massachusetts Wetlands Protection Act:
-
-

- ☐ 7. If a Notice of Intent is filed for the work in the Riverfront Area described on referenced plan(s) and document(s), which includes all or part of the work described in the Request, the applicant must consider the following alternatives. (Refer to the wetland regulations at 10.58(4)c. for more information about the scope of alternatives requirements):

- ☐ Alternatives limited to the lot on which the project is located.
- ☐ Alternatives limited to the lot on which the project is located, the subdivided lots, and any adjacent lots formerly or presently owned by the same owner.
- ☐ Alternatives limited to the original parcel on which the project is located, the subdivided parcels, any adjacent parcels, and any other land which can reasonably be obtained within the municipality.
- ☐ Alternatives extend to any sites which can reasonably be obtained within the appropriate region of the state.

Negative Determination

Note: No further action under the Wetlands Protection Act is required by the applicant. However, if the Department is requested to issue a Superseding Determination of Applicability, work may not proceed on this project unless the Department fails to act on such request within 35 days of the date the request is post-marked for certified mail or hand delivered to the Department. Work may then proceed at the owner's risk only upon notice to the Department and to the Conservation Commission. Requirements for requests for Superseding Determinations are listed at the end of this document.

- ☐ 1. The area described in the Request is not an area subject to protection under the Act or the Buffer Zone.
- ☒ 2. The work described in the Request is within an area subject to protection under the Act, but will not remove, fill, dredge, or alter that area. Therefore, said work does not require the filing of a Notice of Intent.
- ☐ 3. The work described in the Request is within the Buffer Zone, as defined in the regulations, but will not alter an Area subject to protection under the Act. Therefore, said work does not require the filing of a Notice of Intent, subject to the following conditions (if any).
-
-

- ☐ 4. The work described in the Request is not within an Area subject to protection under the Act (including the Buffer Zone). Therefore, said work does not require the filing of a Notice of Intent, unless and until said work alters an Area subject to protection under the Act.



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WPA Form 2 – Determination of Applicability

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

B. Determination (cont.)

- ☐ 5. The area described in the Request is subject to protection under the Act. Since the work described therein meets the requirements for the following exemption, as specified in the Act and the regulations, no Notice of Intent is required:

Exempt Activity (site applicable statutory/regulatory provisions)

- ☐ 6. The area and/or work described in the Request is not subject to review and approval by:

Name of Municipality

Pursuant to a municipal wetlands ordinance or bylaw.

Name

Ordinance or Bylaw Citation

C. Authorization

This Determination is issued to the applicant and delivered as follows:

☒ by hand delivery on

☐ by certified mail, return receipt requested on

November 6, 2019

Date

Date

This Determination is valid for **three years** from the date of issuance (except Determinations for Vegetation Management Plans which are valid for the duration of the Plan). This Determination does not relieve the applicant from complying with all other applicable federal, state, or local statutes, ordinances, bylaws, or regulations.

This Determination must be signed by a majority of the Conservation Commission. A copy must be sent to the appropriate DEP Regional Office (see <http://www.mass.gov/eea/agencies/massdep/about/contacts/>) and the property owner (if different from the applicant).

Signatures:

Joseph A. Valle
De Santis McPate
Robert M. Cassin

Ann M. Rapone
Heather Lagere
Michael

November 6, 2019

Date



Massachusetts Department of Environmental Protection
Bureau of Resource Protection - Wetlands

WPA Form 2 – Determination of Applicability

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

D. Appeals

The applicant, owner, any person aggrieved by this Determination, any owner of land abutting the land upon which the proposed work is to be done, or any ten residents of the city or town in which such land is located, are hereby notified of their right to request the appropriate Department of Environmental Protection Regional Office (see <http://www.mass.gov/eea/agencies/massdep/about/contacts/>) to issue a Superseding Determination of Applicability. The request must be made by certified mail or hand delivery to the Department, with the appropriate filing fee and Fee Transmittal Form (see Request for Departmental Action Fee Transmittal Form) as provided in 310 CMR 10.03(7) within ten business days from the date of issuance of this Determination. A copy of the request shall at the same time be sent by certified mail or hand delivery to the Conservation Commission and to the applicant if he/she is not the appellant. The request shall state clearly and concisely the objections to the Determination which is being appealed. To the extent that the Determination is based on a municipal ordinance or bylaw and not on the Massachusetts Wetlands Protection Act or regulations, the Department of Environmental Protection has no appellate jurisdiction.



Massachusetts Department of Environmental Protection
Bureau of Resource Protection - Wetlands

DEP File Number: _____

**Request for Departmental Action Fee
Transmittal Form**

Provided by DEP _____

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

A. Request Information

1. Location of Project

140 Lynnway

a. Street Address

Revere

b. City/Town, Zip

c. Check number

d. Fee amount

2. Person or party making request (if appropriate, name the citizen group's representative):

Name

Mailing Address

City/Town

State

Zip Code

Phone Number

Fax Number (if applicable)

3. Applicant (as shown on Determination of Applicability (Form 2), Order of Resource Area Delineation (Form 4B), Order of Conditions (Form 5), Restoration Order of Conditions (Form 5A), or Notice of Non-Significance (Form 6)):

Name

Mailing Address

City/Town

State

Zip Code

Phone Number

Fax Number (if applicable)

4. DEP File Number:

B. Instructions

1. When the Departmental action request is for (check one):

- ☐ Superseding Order of Conditions – Fee: \$120.00 (single family house projects) or \$245 (all other projects)
- ☐ Superseding Determination of Applicability – Fee: \$120
- ☐ Superseding Order of Resource Area Delineation – Fee: \$120

Send this form and check or money order, payable to the *Commonwealth of Massachusetts*, to:

Department of Environmental Protection
Box 4062
Boston, MA 02211

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





Massachusetts Department of Environmental Protection
Bureau of Resource Protection - Wetlands

DEP File Number: _____

**Request for Departmental Action Fee
Transmittal Form**

Provided by DEP

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

B. Instructions (cont.)

2. On a separate sheet attached to this form, state clearly and concisely the objections to the Determination or Order which is being appealed. To the extent that the Determination or Order is based on a municipal bylaw, and not on the Massachusetts Wetlands Protection Act or regulations, the Department has no appellate jurisdiction.
3. Send a **copy** of this form and a **copy** of the check or money order with the Request for a Superseding Determination or Order by certified mail or hand delivery to the appropriate DEP Regional Office (see <http://www.mass.gov/eea/agencies/massdep/about/contacts/>).
4. A copy of the request shall at the same time be sent by certified mail or hand delivery to the Conservation Commission and to the applicant, if he/she is not the appellant.

ATTACHMENT 14

ENVIRONMENTAL JUSTICE LIST

Environmental Justice List

Statewide Environmental Justice Community Based Organizations

1. Environment Massachusetts

Ben Hellerstein

MA State Director

ben@environmentmassachusetts.org

2. Clean Water Action

Cindy Luppi

New England Director

cluppi@cleanwater.org

3. Sierra Club MA

Deb Pasternak

Director, MA Chapter

deb.pasternak@sierraclub.org

4. Neighbor to Neighbor

Elvis Mendez

Organizing Director

elvis@n2nma.org

5. Appalachian Mountain Club

Heather Clish

Director of Conservation & Recreation Policy

hclish@outdoors.org

6. Mass Audubon

Heidi Ricci

Director of Policy

hricci@massaudubon.org

7. Mass Rivers Alliance

Julia Blatt

Executive Director

juliablatt@massriversalliance.org

8. The Trust for Public Land

Kelly Boling

MA & RI State Director

kelly.boling@tpl.org

9. Browning the GreenSpace

Kerry Bowie

Board President

kerry@msaadapartners.com

10. Environmental League of MA

Nancy Goodman

Vice President for Policy

ngoodman@environmentalleague.org

11. E4TheFuture

Pat Stanton

Project Manager

pstanton@e4thefuture.org

12. Ocean River Institute

Rob Moir

Executive Director

rob@oceanriver.org

13. Mass Land Trust Coalition

Robb Johnson

Executive Director

robb@massland.org

14. Mass Climate Action Network (MCAN)

Sarah Dooling

Executive Director

sarah@massclimateaction.net

15. Conservation Law Foundation

Staci Rubin

Senior Attorney

srubin@clf.org

16. Community Action Works

Sylvia Broude

Executive Director

sylvia@communityactionworks.org

17. Unitarian Universalist Mass Action Network

Tali Smooker

Organizing Director

tsmookler@uumassaction.org

18. Healthcare without Harm

Winston Vaughan

Director of Climate Solutions

wvaughan@hcwh.org

Indigenous Organizations

1. Chappaquiddick Tribe of the Wampanoag Nation

Alma Gordon

President

tribalcouncil@chappaquiddick-wampanoag.org

2. Wampanoag Tribe of Gay Head (Aquinnah)

Bettina Washington

Tribal Historic Preservation Officer

thpo@wampanoagtribe-nsn.gov

3. Nipmuc Nation (Hassanamisco Nipmucs)

Cheryll Toney Holley

Chair

crwritings@aol.com

4. Massachusetts Commission on Indian Affairs (MCIA)

John Peters, Jr.

Executive Director

john.peters@mass.gov

5. Chaubunagungamaug Nipmuck Indian Council

Kenneth White

Council Chairman

acw1213@verizon.net

6. Herring Pond Wampanoag Tribe

Melissa Ferretti

Chair

melissa@herringpondtribe.org

7. Chappaquiddick Tribe of the Wampanoag Nation, Whale Clan

Patricia D. Rocker

Council Chair

rockerpatriciad@verizon.net

8. North American Indian Center of Boston

Raquel Halsey

Executive Director

rhalsey@naicob.org

Federal Tribes

1. Wampanoag Tribe of Gay Head (Aquinnah) (Duplicate)

Bettina Washington

Tribal Historic Preservation Officer

thpo@wampanoagtribe-nsn.gov

2. Stockbridge-Munsee Tribe

Bonney Hartley

Historic Preservation Manager

bonney.hartley@mohican-nsn.gov

3. Mashpee Wampanoag Tribe

Brian Weeden

Chair

Brian.Weeden@mwtribe-nsn.gov

Lynn

1. Lynn Food and Fitness Alliance

Norris Guscott

nguscott@lynnma.gov

**ATTACHMENT 15
ENVIRONMENTAL JUSTICE
SCREENING FORM**

ADDENDUM: Environmental Justice Screening Form

Project Name	Alden Fire Station
Anticipated Date of MEPA Filing	February 28, 2022
Proponent Name	City of Revere
Contact Information (e.g., consultant)	Chris Emilius, Brennan Consulting
Public website for project or other physical location where project materials can be obtained (if available)	https://www.revere.org/
Municipality and Zip Code for Project (if known)	Revere, 02151
Project Type* (list all that apply)	Fire Station Redevelopment
Is the project site within a mapped 100-year FEMA flood plain? Y/N/yet unknown	Yes
Estimated GHG emissions of conditioned spaces if known (click here for GHG Estimation tool)	<50 lbs CO2/sf-yr <200 tons/yr

Project Description

<p>1. Provide a brief project description, including overall size of the project site and square footage of proposed buildings and structures if known. This project proposes to construct an 8,190 sf modern Fire Station in the same 15,078 sf plot as the previous Alden Fire Station, which was demolished in 2021.</p>
<p>2. List anticipated MEPA review thresholds (301 CMR 11.03) (if known) 301 CMR 11.03(1)(b)(3) - Conversion of land held for natural resources purposes in accordance with Article 97 of the Amendments to the Constitution of the Commonwealth to any purpose not in accordance with Article 97</p>
<p>3. List all anticipated state, local and federal permits needed for the project (if known) MassDOT Access and Utility Permits, Department of Conservation and Recreation (DCR) Access Permit, Massachusetts Water Resource Authority (MWRA) 8m Permit, Revere Building Permit</p>
<p>4. Identify EJ populations and characteristics (Minority, Income, English Isolation) within 5 miles of project site (can attach map from EJ Maps Viewer in lieu of narrative) Minority, Income, Minority and Income, Minority and English Isolation, Income and English Isolation, and Minority income and English Isolation</p>
<p>5. Identify any municipality or census tract meeting the definition of “vulnerable health EJ criteria” in the DPH EJ Tool located in whole or in part within a 1 mile radius of the project site Revere, Lynn, Saugus</p>

6. Identify potential short-term and long-term environmental and public health impacts that may affect EJ Populations and any anticipated mitigation Short term: Noise pollution due to construction vehicles and equipment Long term: Slight increase in traffic near site (about 20 additional vehicle trips per day)
7. Identify project benefits, including “Environmental Benefits” as defined in 301 CMR 11.02, that may improve environmental conditions or public health of the EJ population Quicker response times for fires and emergency situations within the Point of Pines neighborhood. There will also be a community center within the fire department.
8. Describe how the community can request a meeting to discuss the project, and how the community can request oral language interpretation services at the meeting . Specify how to request other accommodations, including meetings after business hours and at locations near public transportation. See response below.

**MEPA Project Types [Note: this list can be omitted when circulating this form.]*

Article 97	Other (Specify)
Agriculture	Marijuana
Airport	Marine Industrial
Aquaculture/Shellfish	Master Plan – Development
Beach Nourishment	Master Plan – Urban Renewal Plan
Coastal Infrastructure	Other (Specify)
Commercial - Office/Lab/R&D	Recreation
Commercial - Hotel	Regulations
Commercial - Warehouse	Remediation
Commercial- Retail	Residential
Dam Removal	Solid Waste
Dam Repair/Replacement	Transportation – Roadways/transit
Dredging	Transportation - Trails
Ecological Restoration	Urban Renewal Plan
Energy Generation	Wastewater – Treatment/conveyance
Energy Storage	Wastewater - CWMP
Energy Transmission	Water Supply - New Source
Industrial	Water Supply – Treatment/conveyance
Institutional - Educational	
Institutional - Medical	

8. Given the positive community impact of the fire station, further community meetings are not anticipated. However, questions regarding the project (including requests for translation and/or interpretation) may be made via Jackie McLaughlin in the Office of the Mayor.

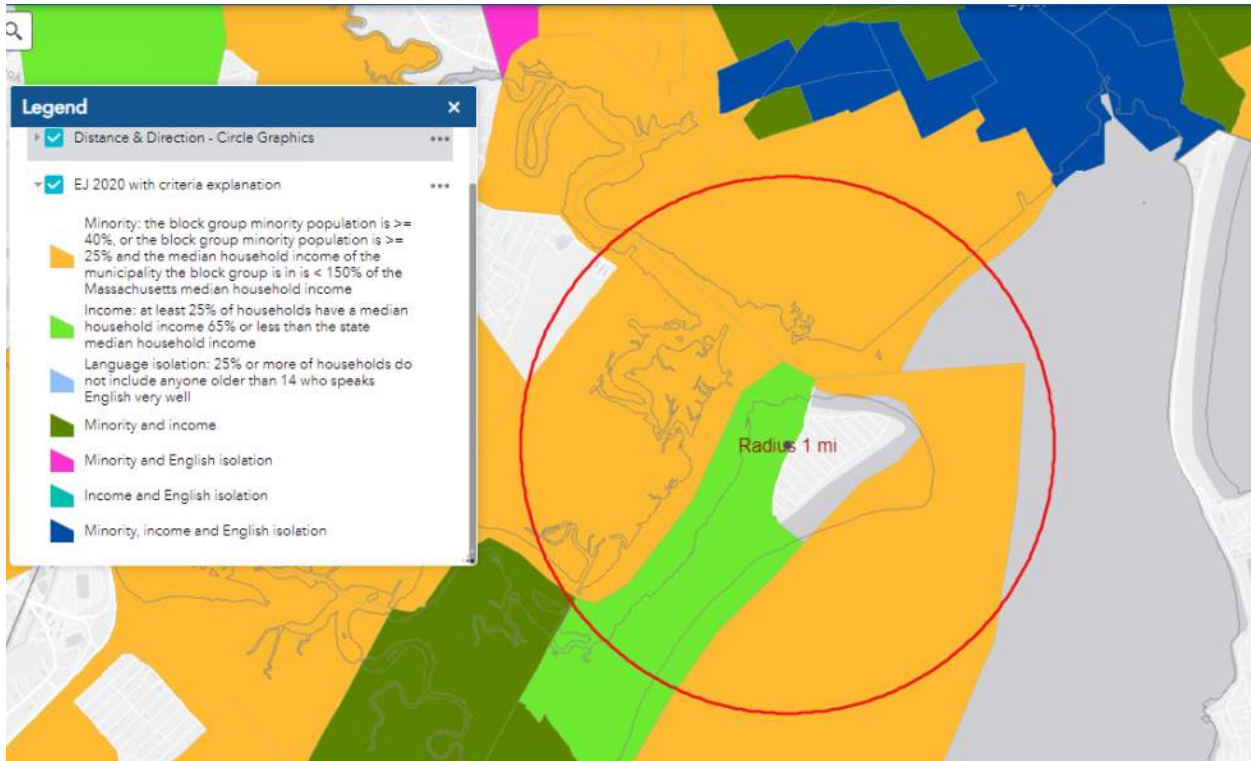
Jackie McLaughlin: 781-286-8111 Ext: 20113

Addendum: ENF Revisions

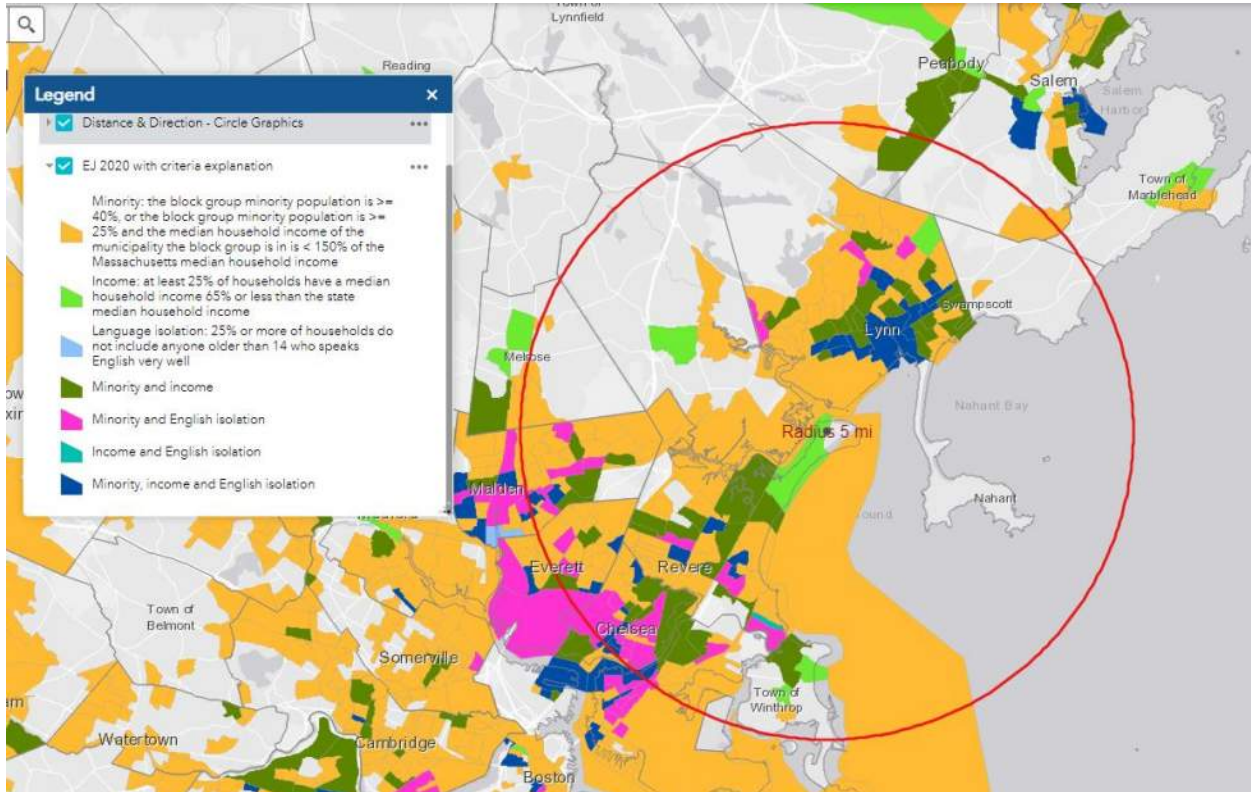
ATTACHMENTS:

. . .

8. Printout from the [EJ Maps Viewer](#) showing the project location relative to Environmental Justice (EJ) Populations located in whole or in part within a 1-mile and 5-mile radius of the project site.



ENVIRONMENTAL JUSTICE POPULATION MAP – 1 MILE



ENVIRONMENTAL JUSTICE POPULATION MAP – 5 MILES\