



Expanded Environmental Notification Form

Piers Park II Seawall Structural Rehabilitation



Prepared For:
Massachusetts Port Authority
Boston, Massachusetts

Prepared by:
Foth Infrastructure and Environment, LLC
15 Creek Road Marion, MA 02738

April 2025



Massachusetts Port Authority
One Harborside Drive, Suite 200S
East Boston, MA 02128-2090
Telephone (617) 568-5950
www.massport.com

Secretary Rebecca Tepper
Secretary of Energy and Environmental Affairs
Attn: MEPA Office
100 Cambridge Street, Suite 900
Boston, MA 02114

April 15, 2025

Re: Piers Park II Seawall Structural Rehabilitation
Expanded Environmental Notification Form and Proposed Environmental Impact Report
95 Marginal Street, Boston, MA 02128

Dear Secretary Tepper:

The Massachusetts Port Authority (Massport) is pleased to submit the enclosed Expanded Environmental Notification Form (EENF) and Proposed Environmental Impact Report (PEIR) for the Piers Park II Seawall Structural Rehabilitation project. We respectfully request that the Secretary allow a Rollover Environmental Impact Report (REIR) in accordance with 301 CMR 11.06(13).

Massport is proposing the installation of a sloped stone revetment to replace the existing deteriorated seawall located at the southern extent of the newly constructed Piers Park II. The proposed revetment will address long-term safety and maintenance issues, reduce wave energy and reflection, create new intertidal zone in lieu of the vertical wall, and will enhance the overall aesthetic of the park as viewed from both water and land while stabilizing and protecting the upland park area.

Massport has had ongoing coordination with local, state, and federal agencies, and has conducted extensive community outreach, collaborating with stakeholders, community-based organizations, and environmental justice populations. Massport will continue these efforts to ensure comprehensive input and support throughout the project's development. If you have any questions or should require additional information, please contact me at 617-568-3546, or via email at bwashburn@massport.com.

Sincerely,

A handwritten signature in black ink, appearing to read "BWashburn", is written over a light blue horizontal line.

Brad Washburn
Deputy Director of Environmental Planning & Permitting

Cc: Chet Myers, Chris Busch (Massport)

Piers Park II Seawall Structural Rehabilitation

Prepared for
Massachusetts Port Authority
Boston, Massachusetts

Prepared by
Foth Infrastructure & Environment, LLC

April 2025

REUSE OF DOCUMENTS

This document (including any enclosures and attachments) has been prepared for the exclusive use and benefit of the addressee(s) and solely for the purpose for which it is provided. Any use outside of said purpose and/or by anyone other than the addressee(s) is at the unauthorized user's sole risk.

Copyright©, Foth Infrastructure & Environment, LLC 2025
15 Creek Road • Marion, MA 02738 • (508) 748-0937
foth.com

Piers Park II Seawall Structural Rehabilitation

Table of Contents

ENVIRONMENTAL NOTIFICATION FORM

Project Narrative

	Page
1. Introduction	1
1.1 Project Background	1
1.2 Existing Conditions	2
1.2.1 Subsurface Conditions	2
1.3 Purpose and Need	3
1.4 Project Description	3
1.5 Regulatory Context	5
1.5.1 Local Permits	6
1.5.2 State Permits	6
1.5.3 Federal Permits	6
1.6 Community and Agency Outreach	6
2. Alternatives Analysis	7
2.1 Alternative 1 – Revetment Slope Centered at Existing Seawall (Preferred)	7
2.2 Alternative 2 – Revetment Crest at Existing Seawall (Seaward Shift)	7
2.3 Alternative 3 – Revetment Toe at Existing Seawall (Landward Shift)	7
2.4 Alternative 4 – Steel Sheet Pile Bulkhead	8
2.5 Alternative 5 – Repairs to Existing Seawall	8
2.6 Alternative 6 – No Action	8
2.7 Quantitative Comparison of Alternatives Considered	8
3. Wetland and Coastal Resources	9
3.1 Land Subject to Coastal Storm Flowage (310 CMR 10.02)	9
3.2 Land Under Ocean (310 CMR 10.25)	9
3.3 Coastal Beach (310 CMR 10.27)	10
3.4 Anadromous/Catadromous Fish Run (“Fish Run”) (310 CMR 10.35)	11
3.5 Coastal Bank (310 CMR 10.30)	11
3.6 Consistency with CZM Policies	12
4. Climate Change Adaptation and Resiliency	13

Table of Contents (continued)

	Page
4.1 Introduction	13
4.2 Existing Flood Conditions	14
4.2.1 Resilient MA Action Team Climate Resilience Design Standards Tool Outputs	14
4.2.2 Greenhouse Gas Emissions	15
4.3 Climate Change Resiliency.....	15
4.3.1 Sea Level Rise and Coastal Storm Surge	15
4.3.2 Stormwater Management.....	16
5. Environmental Justice and Public Health.....	16
5.1.1 Vulnerable Health Criteria.....	17
5.1.2 Heart Attack (Municipal)	17
5.1.3 Childhood Asthma (Municipal)	17
5.1.4 Childhood Blood Lead Exposure (Census Tract).....	18
5.1.5 Low Birth Weight (Census Tract)	18
5.2 Other Potential Sources of Pollution	19
6. Mitigation Measures	26

Tables

Table 1	Anticipated Permits and Approvals	5
Table 2	Comparison of Coastal Resource Area Impacts	8
Table 3	Projected Tidal Datums	14
Table 4	Projected Wave Action Water Elevation	14
Table 5	Projected Wave Height	15
Table 6	Elevated Blood Lead Level Prevalence per 1,000, 2015 – 2019	18
Table 7	Low Birth Weight Rate per 10,000, 2011 – 2015.....	19
Table 8	Facilities within One Mile of the Project Site.....	19
Table 9	Summary of Proposed Mitigation Measures	15

Table of Contents (continued)

Page

Attachments

Attachment A Project Narrative	
Attachment B USGS Locus Map	
Attachment C Site Photographs	
Attachment D FEMA (FIRMette) Map	
Attachment E MassGIS Layers	
Attachment F Alternatives Analysis Cross Sections	
Attachment G Spill Records & Incident Location Plan	
Attachment H RMAT Tool Output Report	
Attachment I Environmental Justice	
Attachment J List of Municipal and Federal Permits	
Attachment K Circulation	
Attachment L Project Plans Titled "Piers Park II Seawall Structural Rehabilitation," January 31, 2025 (3 Sheets)	

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: Piers Park II Seawall Structural Rehabilitation

Street Address: 95 Marginal Street

Municipality: Boston

Watershed: Boston Harbor

**Universal Transverse Mercator Coordinates:
780759.65 E; 2958436.91 N**

Latitude: 42.365107

Longitude: -71.038870

Estimated commencement date: Q1 2027

Estimated completion date: Q1 2028

Project Type: Coastal Infrastructure

Status of project design: 30% complete

Proponent: The Massachusetts Port Authority (Massport)

Street Address: 1 Harborside Drive, Suite 216S

Municipality: Boston

State: MA

Zip Code: 02128

Name of Contact Person: Fiona Vardy

Firm/Agency: Foth Infrastructure & Environment, LLC

Street Address: 114 Touro Street

Municipality: Newport

State: RI

Zip Code: 02840

Phone: 508-762-0784

Fax:

E-mail: Fiona.Vardy@Foth.com

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 Rollover EIR? (see 301 CMR 11.06(13))

☒ Yes ☐ No

a Special Review Procedure? (see 301 CMR 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)?

[301 CMR 11.03(1)(a)] – alteration of coastal dune, barrier beach or coastal bank;

[310 CMR 11.03(3)(b)1.e.] – New fill or structure or Expansion of existing fill or structure in a velocity zone or regulatory floodway;

[310 CMR 11.03(b)(6)] – Construction, reconstruction or Expansion of an existing solid fill structure of 1,000 or more square feet

Which State Agency Permits will the project require?

MA DEP 401 Water Quality Certification

Coastal Zone Management Federal Consistency Review

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: **N/A**

Summary of Project Size & Environmental Impacts	Existing	Change	Total
LAND			
Total site acreage ¹	Proposed revetment area = 0.25 Ac (10,802 SF) (Piers Park II = 4.7 Ac. (204,732 SF))		
New acres of land altered		0.083 Ac (3,676 SF)	
Acres of impervious area	0.136 Ac (5,921 SF)	-0.136 Ac removed to construct revetment	0
Square feet of new bordering vegetated wetlands alteration		0	
Square feet of new other wetland alteration		Land Under Ocean = 1,709 SF Coastal Beach = 1,966 SF Coastal Bank = 244 LF LSCSF = 5,202 SF	
Acres of new non-water dependent use of tidelands or waterways		0	
STRUCTURES			
Gross square footage	1,924 SF (ex. wall & pile-supported pier to be removed)	-1,924 SF (wall and pier) +10,225 SF (new revetment)	10,225 SF (revetment)
Number of housing units	0	0	0
Maximum height (feet)	+/-11.0 FT NAVD88	0	+/-11.0 FT NAVD88
Vehicle trips per day	0	0	0
Parking spaces	0	0	0
Water Use (Gallons per day)	0	0	0
Water withdrawal (GPD)	0	0	0
Wastewater generation/treatment (GPD)	0	0	0
Length of water mains (miles)	0	0	0
Length of sewer mains (miles)	0	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			

¹ The total area of Piers Park II includes 4.7 acres; the limit of work for the proposed revetment includes an area of 0.25 acres.

GENERAL PROJECT INFORMATION – all proponents must fill out this section

PROJECT DESCRIPTION:

Describe the existing conditions and land uses on the project site:

Piers Park II is a 4.7-acre (204,732 square foot (FT)) public park designed for active recreation located within 95 Marginal Street (Parcel ID 0104446000) in East Boston, Massachusetts. Prior to its redevelopment, Piers Park II site was relatively flat, with an upward slope where the site abuts Piers Park I to the east. The site previously consisted of gravel and exposed soil with weed/grass ground cover and a few clusters of small trees with paved areas along the perimeter of the site and the seawall bordering the Boston Harbor. Piers Park II was developed into a multi-purpose activity space with a children's playground, water play area, walkways, picnic groves and a Sailing Center building that contains administrative offices, utility spaces and bathrooms for the non-profit Piers Park Sailing Center. There is also an open-air pavilion used by the Sailing Center that can be used as an outdoor assembly space.

The limit of work for the proposed stone revetment, further described herein, encompasses approximately 0.25 acres (10,802 SF) at the southern edge of Piers Park II (Project site). The Project site currently contains a deteriorated granite and concrete seawall that extends approximately 250 feet (FT) between East Boston Pier 1 and Pier 3 and is located at the southern extent of the newly constructed Piers Park II. The top of the existing Piers Park II seawall is at elevation (El.) ± 11.0 FT North American Vertical Datum of 1988 (NAVD88). A granite capped concrete separation wall has been constructed at an approximately 20-29-FT offset from the existing seawall as part of the Piers Park II construction, with an elevation of ± 11.0 FT NAVD88. Existing and proposed conditions are shown on the Project Plans included as Attachment L. Attachment C includes existing site conditions photographs.

According to the most recent Federal Emergency Management Agency (FEMA) Flood Insurance Rate Map (FIRM) Map Number 25025C0081K, effective July 3, 2024, the Piers Park II site is mapped as FEMA Zone VE (El. ± 13.0 FT NAVD88) and FEMA Zone AE (El. ± 12.0 FT NAVD88) and El. ± 11.0 FT NAVD88) (see Attachment D). The area for the proposed work at the Project site is mapped as FEMA Zone VE (El. ± 13.0 FT NAVD88) and FEMA Zone AE (El. ± 12 FT NAVD88) (see Attachment L).

Foth surveyed the site's topography on November 19, 2019, and collected the bathymetry data on February 28, 2025. Using a vertical datum offset of 0.0 FT NAVD88 = -5.51 FT MLLW, Mean Low Water (MLW), Mean High Water (MHW), and Annual High Tide Line (AHTL) are represented at elevations of -5.16, 4.33, and 6.62 FT NAVD88, respectively.

The proposed Project is not anticipated to negatively impact biological resources in the vicinity of the Project. By introducing measures to stabilize sediments, improve water quality, and support the resilience of the adjacent Piers Park II, the Project plays a crucial role in protecting the site. According to the Natural Heritage and Endangered Species Program (NHESP) Atlas (15th edition; effective August 1, 2021), the Project limits are not located within designated Priority Habitats of Rare Species or Estimated Habitats of Rare Wildlife and therefore will not require review pursuant to the Massachusetts Endangered Species Act (MESA). There are no certified or potential vernal pools within the vicinity of the Project site.

Describe the proposed project and its programmatic and physical elements:

Massport is proposing to replace the existing deteriorated seawall located at the southern extent of the newly constructed Piers Park II (Project). The Project includes the demolition of the existing seawall and a pile-supported pier, and excavation and/or dredging of the existing fill retained by the wall, plus an amount of material seaward of the existing wall as required to construct the proposed revetment. The proposed Project is shown on the Project Plans in Attachment L. The top of the existing Piers Park II seawall is at ± 11.0 FT NAVD88, and a concrete cut-off wall was constructed at an approximately 20-29 FT offset from the existing seawall as part of the Piers Park II construction, with an elevation of ± 11.0 FT NAVD88. The top of the proposed stone revetment will be built from the seaward side of the existing cut-off wall and the revetment will be constructed at a 1.5H:1V slope down to the maximum toe stone depth of -15 FT NAVD88. The estimated quantity of material to be removed for the construction is 2,500 cubic yards (CY). Please refer

to the Project Narrative (Attachment A) for further details.

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 Proponent evaluated several alternatives before selecting the Preferred Alternative for the Project design. The Preferred Alternative meets the Project goals of addressing the safety concerns of the failing seawall and protecting adjacent Piers Park II and surrounding infrastructure while minimizing impacts to coastal resources. Table 1 below provides a quantitative comparison of potential environmental impacts. The considered alternatives, described in further detail in Section 2.0 of the attached Project Narrative, include the following:

- Alternative 1 – Revetment Slope Centered at Existing Seawall (Preferred);
- Alternative 2 – Revetment Crest at Existing Seawall (Seaward Shift);
- Alternative 3 – Revetment Toe at Existing Seawall (Landward Shift);
- Alternative 4 – Steel Sheet Pile Bulkhead;
- Alternative 5 – Repairs to Existing Seawall;
- Alternative 6 – No Action

Table 1 – Comparison of Coastal Resource Area Impacts

Impact Category	Alternative 1	Alternative 2	Alternative 3	Alternative 4	Alternative 5	Alternative 6
LSCSF	5,202 SF	0 SF	9,600 SF	5,202 SF	0 SF	0 SF
Coastal Bank	244 LF	244 LF	244 LF	244 LF	244 LF	0 LF
Coastal Beach	1,966 SF	1,966 SF	1,966 SF	2,550 SF	0 SF	0 SF
Land Under Ocean	1,709 SF	13,634 SF	1,634 SF	1,050 SF	0 SF	0 SF

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:

The Project is designed to minimize impacts on the site, adjacent Piers Park II, and nearby coastal resources. Measures will be taken to ensure that any impacts beyond the Project footprint are minimized. Best Management Practices (BMPs) will be implemented during dredging and construction to protect marine resources in Boston Harbor. The Project aims to reduce wave energy, especially in increasingly frequent storm events, withstand a significant daily tidal range, storm events, and tidal flooding and protect the surrounding area (specifically Piers Park II). It will enhance shoreline stabilization and protect adjacent infrastructure, including nearby roadways such as Piers Park Lane and East Pier Drive. Additionally, the Project will bolster the resilience of Piers Park II, which features green infrastructure, and support the completion of City's Harborwalk system. No adverse effects are anticipated on adjacent or downcoast areas. For a summary of the mitigation measures to be implemented, please refer to Section 6.0 in the attached Project Narrative.

If the project is proposed to be constructed in phases, please describe each phase:
It is anticipated that the Project will be constructed in one phase and will commence in the first quarter of 2027.

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 ___ 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:

Water body: Boston Harbor

Pollutants: PCBs in fish tissue, Enterococcus, Fecal Coliform, dissolved oxygen, additional unknown sources

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:

The Project will address resiliency in stormwater management through various measures. The stone revetment is designed to be impervious, ensuring that it will not impact the existing stormwater management system on the upland portion of the site within Piers Park II. The Project will incorporate BMPs to manage and reduce sedimentation during construction. The Project will include a plan for regular monitoring and maintenance to ensure ongoing compliance and effectiveness.

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? Yes ___ No ___ ; if yes, please describe the current status of the site (including Release Tracking Number (RTN), cleanup phase, and Response Action Outcome classification): **Please refer to Section 1.2.1 of the attached Project Narrative.**

Is there an Activity and Use Limitation (AUL) on any portion of the project site? Yes ___ No ___ if yes, describe which portion of the site and how the project will be consistent with the AUL: **Please refer to Section 1.2.1 of the attached Project Narrative.**

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:

The Proponent will take an active role in the reprocessing and recycling of construction waste. The contract for disposal will include specific requirements that will ensure that construction procedures allow for the necessary segregation, reprocessing, reuse, and recycling of materials when possible. For those materials that cannot be recycled, solid waste will be transported in covered trucks to an approved solid waste facility, per DEP regulations 310 CMR 16.00.

(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:

All construction equipment will be maintained in compliance with all applicable state and federal emission regulations. Equipment will not be idled without an operator in the cab. No refueling of construction equipment shall be permitted in the immediate vicinity of any coastal resource areas. Equipment will be used in accordance with 310 CMR 7.11 and there shall be no unnecessary operation of motor vehicles while said vehicle is stopped for a foreseeable period of time in excess of five (5) minutes.

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 ___ ; 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 ___ ; 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.
Attachment A Project Narrative
Attachment B USGS Locus Map
Attachment C Site Photographs
Attachment D FEMA (FIRMette) Map
Attachment E MassGIS Layers
Attachment F Alternatives Analysis Cross Sections
Attachment G Spill Records & Incident Location Plan
Attachment H RMAT Tool Output Report
Attachment I Environmental Justice
Attachment J List of Municipal and Federal Permits
Attachment K Circulation List
Attachment L Project Plans Titled "Piers Park II Seawall Structural Rehabilitation", January 31, 2025 (3 Sheets)
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 RMAT 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))
___ Yes **X** No; if yes, specify each threshold:

II. Impacts and Permits

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

	Existing	Change	Total
Footprint of buildings	0.00	0.00	0.00
Internal roadways	0.00	0.00	0.00
Parking and other paved areas	0.00	0.00	0.00
Other altered areas	0.25	0.08	0.08
Undeveloped areas	0.00	0.00	0.00
Total: Project Site Acreage	0.25*	0.08	0.33

*The total area of Piers Park II includes 4.7 acres; the limit of work for the proposed revetment includes an area of 0.25 acres.

- 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? ___ Yes **X** No; if yes, describe:
- 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: **Imagine Boston 2030** Date: **July 2017**

- B. Describe the project's consistency with that plan with regard to:
1) economic development

Part of Imagine Boston 2030's land use plan is to create a waterfront that is climate resilient. The Project will protect waterside infrastructure from potential flooding caused by storm damage and/or sea level rise by protecting the Piers Park II shoreline from failure of the existing seawall and enhancing the resiliency

of the coastline in the Project area. The proposed improvements will also reduce maintenance costs and frequency. Further, the Project will provide protection for adjacent infrastructure, which will help the economy grow and develop.

- 2) adequacy of infrastructure
The Project will improve the deteriorating marine infrastructure (existing seawall) that is currently in place by replacing it with an improved alternative. In addition, the Project will stabilize the shoreline and provide protection to the adjacent roads, buildings, the newly constructed Piers Park II, and other infrastructure in the vicinity of the Project site.
- 3) open space impacts
The recently constructed Piers Park II, which is adjacent to the Project site, provides a recreational waterfront open space that enhances cultural event opportunities. Due to the park's proximity to the coastline, it needs to be adequately protected from flooding, sea level rise, etc. The Project will positively impact the nearby open space in Piers Park II by improving the strength of the adjacent coastline.
- 4) compatibility with adjacent land uses
The Project will protect against erosion and safeguard the adjacent infrastructure, specifically the community park, Piers Park II, which provides open space on Boston's waterfront. By implementing these measures, the Project will contribute to sustainable environmental management and enhance the overall resilience of the site and surrounding area.

- C. Identify the current Regional Policy Plan of the applicable Regional Planning Agency (RPA)
RPA: **Metropolitan Area Planning Council (MAPC)**

Title: **MetroCommon 2050** Date: **September 2021**

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

- 1) economic development
The proposed Project will protect waterside infrastructure from potential storm damage by enhancing the resiliency of the coastline. The Project will enhance the overall aesthetic of Piers Park II as viewed from both the water and land, which will assist in attracting the public to East Boston and their businesses. The proposed improvements will also reduce maintenance costs and frequency. The Project will also create jobs through the construction of the Project.
- 2) adequacy of infrastructure
One of the main goals of MetroCommon 2050 is to create a climate-resilient region that includes designing to withstand serious threats and implement green infrastructure. The Project is designed to create a structure that will help prevent erosion, flooding, and withstand impacts from future sea level rise. Additionally, the Project will improve shoreline stabilization on the site and will improve protection of the adjacent infrastructure, including nearby roads such as Piers Park Lane and East Pier Drive. The Project will also strengthen the resilience of the adjacent Piers Park II, which includes green infrastructure.
- 3) open space impacts
MetroCommon 2050 cites the goal of having a robust network of protected open space. The coastal protection that the Project will provide to adjacent open space in Piers Park II will improve the longevity and durability of the adjacent Piers Park II through coastal protection.

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 **X** 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 **X** 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 **X** 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))? X Yes No; if yes, specify, in quantitative terms:

[301 CMR 11.03(1)(a)] – alteration of coastal dune, barrier beach or coastal bank;

[310 CMR 11.03(3)(b)1.e.] – New fill or structure or Expansion of existing fill or structure in a velocity zone or regulatory floodway;

[310 CMR 11.03(b)(6)] – Construction, reconstruction or Expansion of an existing solid fill structure of 1,000 or more square feet

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

MA DEP 401 Water Quality Certification

MA Office of Coastal Zone Management (CZM) Federal Consistency Review (if required)

Boston Conservation Commission Order of Conditions

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)? X Yes No; if yes, has a Notice of Intent been filed? Yes X 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 X No.

B. Describe any proposed permanent or temporary impacts to wetland resource areas located on the project site: **The Project is a water-dependent project that has been designed, and will be performed, using the best available measures to avoid, minimize, and mitigate adverse impacts to coastal resource areas. Temporary, short-term impacts from construction activities (staging areas, equipment mobilization, etc.) will be mitigated to the extent practicable. Construction-period mitigation requirements will be incorporated into the final design plans and specifications to serve as the basis for construction contract documents. Mitigation measures will be reviewed by the appropriate regulatory agencies as part of the Project permit applications. Please refer to the attached Project Narrative for further discussion of impacts and mitigation measures.**

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:

	Area (square feet) or length (linear feet)	Temporary or Permanent Impact?
<u>Coastal Wetlands</u>		
Land Under the Ocean	1,709 SF	Permanent
Designated Port Areas		
Coastal Beaches	1,966 SF	Permanent
Coastal Dunes		
Barrier Beaches		
Coastal Banks	244 LF	Permanent
Rocky Intertidal Shores		
Salt Marshes		
Land Under Salt Ponds		
Land Containing Shellfish		
Fish Runs	1,709 SF	Permanent

Land Subject to Coastal Storm Flowage	5,202 SF	Permanent
<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 **X** No; if yes, what is the area (in sf)? ____
2. the construction or alteration of a **dam**? ____ Yes **X** No; if yes, describe: _____
3. fill or structure in a **velocity zone** or **regulatory floodway**? **X** Yes ____ No
4. dredging or disposal of dredged material? **X** Yes ____ No; if yes, describe the volume of dredged material and the proposed disposal site: **±2,500 CY**
5. a discharge to an **Outstanding Resource Water (ORW)** or an **Area of Critical Environmental Concern (ACEC)**? ____ Yes **X** No
6. subject to a wetlands restriction order? ____ Yes **X** No; if yes, identify the area (in sf): _____
7. located in buffer zones? **X** Yes ____ No; if yes, how much (in sf) **10,802 SF**

E. Will the project:

1. be subject to a local wetlands ordinance or bylaw? ____ Yes **X** No
2. alter any federally-protected wetlands not regulated under state law? ____ Yes **X** 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? **X** 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: **Please refer to Section 1.5.2 of the attached Project Narrative.**

B. Does the project require a new or modified license or permit under M.G.L.c.91? ____ Yes **X** 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 **0** Change **0** Total **0** If yes, how many square feet of solid fill or pile-supported structures (in sf)? **Please refer to Section 1.5.2 of the attached Project Narrative.**

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 X 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 X 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 X No;
(NOTE: If yes, then the project will be subject to Public Benefit Review and Determination.)

G. Does the project include dredging? X 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) ±2,500 CY

What is the proposed dredge footprint 240 length (ft) 49-50 ft width (ft) ___ depth (ft); **Dredge footprint varies from +11 to -15 FT NAVD88**

Will dredging impact the following resource areas? Intertidal Yes ___ No X ; if yes, ___ sq ft

Outstanding Resource Waters Yes ___ No X ; if yes, ___ sq ft

Other resource area (i.e. shellfish beds, eel grass beds) Yes ___ No X ; if yes

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? **Massport has secured space in the Boston Harbor Confined Aqueous Disposal (CAD) Cell for this project. As such, no other disposal alternatives were considered. Excavation and dredging from the waterside with sediments loaded into dump scows will be the most efficient, environmentally friendly, and economical dredging and disposal alternative for the Project. The CAD Cell is owned and maintained by the US Army Corps of Engineers (USACE). The USACE defers to MassDEP for the disposal of material into the CAD Cell. Therefore, a Sediment Sampling and Analysis Plan (SAP) and ultimate Suitability Determination (SD) issued by the USACE is not required. The SAP, submitted February 6, 2025, has been developed with USACE and MassDEP 401WQC standards for sampling and analysis of dredged material.**

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 X No; if yes, provide results.

Existing chemical results for parameters listed in 314 CMR 9.07(2)(b)6? ___ Yes X 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) X

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? X Yes ____ No; if yes, describe these effects and the projects consistency with the policies of the Office of Coastal Zone Management:

Please see below for responses regarding the Project's consistency with applicable CZM policies. The Proponent has had ongoing discussions with CZM during the design process and will continue to coordinate with them for feedback throughout the review and permitting process.

Coastal Hazard Policy #1 - Preserve, protect, restore, and enhance the beneficial functions of storm damage prevention and flood control provided by natural coastal landforms, such as dunes, beaches, barrier beaches, coastal banks, land subject to coastal storm flowage, salt marshes, and land under the ocean.

The site is surrounded by the waters of Boston Harbor and is within the FEMA Flood Zone AE (El. ± 12.0 FT NAVD88). The Project will enhance the existing shoreline, which contains a granite and concrete seawall. The Project will stabilize the shoreline and prevent storm damage with a new sloped revetment. The proposed Project has been designed to minimize impacts on coastal resource areas while enhancing the site's sustainability.

Coastal Hazard Policy #2 - Ensure that construction in water bodies and contiguous land areas will minimize interference with water circulation and sediment transport. Flood or erosion control projects must demonstrate no significant adverse effects on the project site or adjacent or downcoast areas.

The Project is not anticipated to interfere with water circulation and sediment transport, ensuring the natural processes remain undisturbed. Removal of the pile-supported pier will aid in water circulation. The site changes are expected to significantly improve and enhance the site's overall sustainability and resilience. There are no anticipated adverse effects on adjacent or downcoast areas. Please refer to the Project narrative for a summary of the mitigation measures intended to be implemented during the Project.

Growth Management Principle #1 - Encourage sustainable development that is consistent with state, regional, and local plans and supports the quality and character of the community.

The Project encourages sustainable development consistent with local, state and regional plans as it takes into consideration sea level rise and involves the removal of the existing deteriorating structures and protection of the adjacent Piers Park II, which provides direct waterfront access to the community. This will provide better protection for the site and adjacent infrastructure, along with improving the aesthetic of the shoreline in this area.

Habitat Policy #1 - Protect coastal, estuarine, and marine habitats—including salt marshes, shellfish beds, submerged aquatic vegetation, dunes, beaches, barrier beaches, banks, salt ponds, eelgrass beds, tidal flats, rocky shores, bays, sounds, and other ocean habitats—and coastal freshwater streams, ponds, and wetlands to preserve critical wildlife habitat and other important functions and services including nutrient and sediment attenuation, wave and storm damage protection, and landform movement and processes.

The Project has been designed to minimize impacts to the site and adjacent Piers Park II and will ensure that impacts beyond the project footprint are minimized. BMP's will be implemented during dredging/construction to minimize any potential impacts to the marine resources in the Boston Harbor. Space in the Boston Harbor Confined Aquatic Disposal (CAD) Cell has been secured by Massport for the disposal of dredged material for this Project. The Project will also assist in providing wave and storm damage protection, protecting the resilience of the nearby park and existing infrastructure surrounding the Project site. The development of the proposed revetment will improve the shoreline's ability to retain sediment and will reduce erosion currently occurring in the exposed areas. The Project will stabilize the slope and protect the adjacent upland infrastructure from further negative impacts.

Habitat Policy #2 - Advance the restoration of degraded or former habitats in coastal and marine areas.

The Project will remove an existing dilapidated pier and assist in creating an improved habitat area. The proposed construction of the stone revetment will help stabilize the shoreline, prevent erosion, combat sea level rise, and ultimately help to increase and support habitat in the area.

Ports and Harbors Policy #1 - Ensure that dredging and disposal of dredged material minimize adverse effects on water quality, physical processes, marine productivity, and public health and take full advantage of opportunities for beneficial re-use.

Dredging activities along the existing vertical seawall will use BMPs to minimize impacts on the water quality and habitats in the vicinity of the Project site. Space in the Boston Harbor Confined Aquatic Disposal (CAD) Cell has been secured by Massport for the disposal of dredged material for this Project. It has been determined that excavation and dredging from the waterside with sediments loaded into dump scows will be the most efficient, environmentally friendly, and economical dredging and disposal alternative for this Project.

Ports and Harbors Policy #5 - Encourage, through technical and financial assistance, expansion of water dependent uses in Designated Port Areas and developed harbors, re-development of urban waterfronts, and expansion of physical and visual access.

The Project will contribute to redevelopment of East Boston's waterfront by replacing an old deteriorated vertical structure with a newly constructed, more aesthetically pleasing sloped stone structure. The Project will provide protection to the adjacent Piers Park II, which creates physical and visual access to the waterfront in this area. The proposed new revetment will also be sloped, instead of the current vertical wall, which will expand visual access for the public.

Public Access Policy #1 - Ensure that development (both water-dependent or nonwater-dependent) of coastal sites subject to state waterways regulation will promote general public enjoyment of the water's edge, to an extent commensurate with the Commonwealth's interests in flowed and filled tidelands under the Public Trust Doctrine.

The Project will protect the newly constructed Piers Park II, which is a public access destination. Additionally, once complete, the proposed new construction of a new sloped revetment in replacement of the existing vertical seawall allows waves to lose energy gradually as they hit the rocks, which will ultimately reduce the impact on the land behind the revetment.

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

The Project is located adjacent to the area included in the East Boston Municipal Harbor Plan (MHP). The Project will have positive impacts on the East Boston area that align with the primary objectives of the MHP. Replacing the existing deteriorating seawall with a new stone revetment will aid in preserving and strengthening this Massport Waterfront Parcel and provide meaningful access to the waterfront. The Project will provide shoreline stabilization, which will in turn, enhance the East Boston community by helping protect the adjacent infrastructure, specifically the green space at Piers Park II, from storm surge/sea level rise. Further, this Project will assist in being a positive force for East Boston's economy by creating jobs for the construction phase, reducing maintenance costs of the structure, and improving the aesthetic of the waterfront in this area bringing the public to East Boston and their businesses.

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**? ____ Yes **X** No; if yes, specify which permit:

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	_____	_____	_____
Number of vehicle trips per day	_____	_____	_____
ITE Land Use Code(s):	_____	_____	_____

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.	_____	_____	_____	_____
2.	_____	_____	_____	_____
3.	_____	_____	_____	_____

C. If applicable, describe proposed mitigation measures on state-controlled roadways that the project proponent will implement:

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?

C. Is there a Transportation Management Association (TMA) that provides transportation demand management (TDM) services in the area of the project site? ____ Yes ____ 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 ____ 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)?

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:

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 [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).

The proposed Project has been designed considering a 100-year storm event. The Project will protect waterside infrastructure from potential flooding caused by storm damage and/or sea level rise by enhancing the resiliency of the coastline in the Project area.

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

The proposed Project contributes to regional adaptation strategies presented in Climate Ready Boston (CRB) and CRB East Boston 2017 by protecting coastal resources and the adjacent roadways from storm events and sea level rise.

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

A. If no, explain why.

The Project proposes the construction of a structure designed to prevent erosion, mitigate flooding, and withstand future sea level rise; the implementation of the Project aims to enhance the resilience of Piers Park II and protect adjacent infrastructure, including nearby roadways such as Piers Park Lane and East Pier Drive. Given the specific needs and strategic importance of this location, no alternative sites were considered for the Project.

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 Project will not change floodwater paths or velocities, nor will the Project negatively impact adjacent properties or floodplain functionality.

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.

Within a 1-mile radius, there are 28 census block groups that trigger EJ criteria, including Minority; Minority & Income; Minority, Income, and English Isolation; Minority & English Isolation; and English Isolation.

Within a 5-mile radius, there are 624 census block groups that trigger EJ criteria, including Income; Minority; Minority & Income; Minority, Income, and English Isolation; Minority & English Isolation; and English Isolation.

Please refer to Attachment I for additional information.

- 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, Chinese

5 miles: Amharic, Arabic, Chines, Crioulo, Haitian Creole, Hebrew, Japanese, Portuguese, Spanish, Vietnamese

Please refer to Attachment I for further information and documentation of translated EJ Screening Forms that were distributed to the community.

- 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.

N/A

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).

The Project will benefit the EJ populations within 1 mile of the Project site by providing additional protection of the existing shoreline and adjacent infrastructure. The proposed work is anticipated to increase the resilience and safety of the adjacent Piers Park II for the EJ

populations as well as protect the adjacent communities against severe storms and sea level rise. Additionally, it will support the completion the City's Harborwalk system, offering enhanced opportunities for exercise and recreational activities along the waterfront for nearby neighborhoods and diverse populations, including EJ and non-EJ communities.

- 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 ☒ 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 ☒ 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).

N/A

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.

Please refer to Attachment I.

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.

The Proponent has been actively conducting community outreach for Piers Park II since 2017. From that time onward, there have been multiple meetings with various stakeholders, including, but not limited to, the East Boston Piers Park Advisory Committee (PiersPAC), the Jefferies Point Neighborhood Association, the Waterfront Development Advisory Committee (WDAC), the Logan Impact Advisory Group (IAG), as well as Boston elected officials and other neighborhood groups. These efforts continued until the opening of the park in December 2023. Throughout this period, the water's edge had several design options under consideration for shoreline stabilization; however, all participants have been aware that the water's edge would ultimately be completed and integrated into the Piers Park II project.

3. If the project is exempt from Part II of the protocol, please specify.

N/A

- 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.

Please refer to Attachment I.

- 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.

At any point throughout the MEPA review process, community members are encouraged to contact the Project's public outreach contact, Anthony Guerriero (Massport), via email at aguerriero@massport.com.

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): **The Boston Globe / The Boston Herald / The East Boston Times / El Mundo Boston**

(Date): **April 9, 2025 / April 9, 2025 / April 15, 2025 / April 10, 2025**

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

Signatures:

4/14/25		4/14/25	
Date	Signature of Responsible Officer or Proponent	Date	Signature of person preparing ENF (if different from above) or Proponent
Brad Washburn		Fiona Vardy	
Name (print or type)		Name (print or type)	
Massachusetts Port Authority (Massport)		Foth Infrastructure & Environment, LLC (Foth)	
Firm/Agency		Firm/Agency	
1 Harborside Drive, Suite 216S		114 Touro Street	
Street		Street	
Boston, MA 02128		Newport, RI 02840	
Municipality/State/Zip		Municipality/State/Zip	
(617) 568-3546		(508) 762-0784	
Phone		Phone	

Attachment A
Project Narrative

1. Introduction

The Massachusetts Port Authority (Massport), Foth Infrastructure and Environment, LLC (Foth) is submitting this Expanded Environmental Notification Form (EENF) in accordance with the Massachusetts Environmental Policy Act (MEPA) (M.G.L. c. 30, ss. 61-62L) and its associated regulations (301 CMR 11.00). Massport is proposing the installation of a sloped stone revetment to replace the existing deteriorated seawall located at the southern extent of the newly constructed Piers Park II (Project) in East Boston, Massachusetts. Piers Park II, completed in December 2023, was developed with the mission to create, preserve, and protect publicly accessible green space along Boston Harbor.

The Proponent is submitting this EENF with a request that the Secretary allow a Rollover Environmental Impact Report (REIR) in accordance with 301 CMR 11.06(13). This EENF is accompanied by a Proposed EIR (PEIR) filing following the form and content of 301 CMR 11.07(6). This EENF includes an alternatives analysis, and a detailed description of anticipated wetlands impacts and the Project's compliance with wetlands regulations. All feasible measures have been taken to reduce Project impacts. Furthermore, Massport has engaged with the community and environmental justice (EJ) populations in the vicinity of the Project site to provide meaningful opportunities to provide input and feedback. The completion of the Project is on an expedited schedule to meet the community's needs for more accessible, resilient open space; therefore, an REIR is being requested to accelerate the permitting process to allow construction of the proposed revetment.

1.1 Project Background

The waterfront area was originally developed in the mid-1800s with the construction of backlands, a seawall, and piers on tidelands south of Marginal Street. Initially used as a steamship railroad terminal for trans-Atlantic freight, the area underwent significant redevelopment in the late 1800s and early 1900s, including dredging and pier expansions. During this period, the piers and adjacent backlands housed various structures such as grain galleries, a grain elevator, and transformer buildings, served by several railroads.

In 1970, Massport began redeveloping the piers, demolishing grain structures and removing most railroad tracks. Massport began developing the adjacent Piers Park I in 1992, which opened in 1995 as a 6.5-acre park for passive recreation. Piers Park II, completed in December 2023, features active play areas and a new Sailing Center Building. The park also features several sustainable measures to protect against flooding and reduce the heat island effect in the dense East Boston community, such as elevating the park site and creating landscape berms to provide flood protection, replacing the gravel lot with 4.5 acres of greenspace, and planting 72 new trees. The Piers Park II project did not undergo MEPA review as it did not meet MEPA thresholds.

In 2020 Massport designated the Trustees of Reservations (Trustees) to develop Piers Park III on a 4.1-acre park on the abandoned and highly deteriorated Pier 3 site; however, the Piers Park III project is currently on hold. The proposed sloped stone revetment, originally included as part of the Piers Park III project, is now a standalone project to address long-term safety and maintenance issues, reduce wave energy and reflection, create new intertidal habitat in lieu of the vertical wall, and enhance the overall aesthetic of the park as viewed from both water and land while stabilizing and protecting the upland park area by providing stronger shore protection.

The existing granite seawall along the southern edge of Piers Park II has reached the end of its service life. The proposed revetment will ensure long-term shoreline stabilization and erosion protection, supporting the mission to create and preserve publicly accessible green space along the Harbor and support the completion of a missing link in the City's Harborwalk system. The Project is also crucial for the waterfront's climate resiliency goals in East Boston.

1.2 Existing Conditions

Piers Park II is a 4.7-acre public park designed for active recreation located within 95 Marginal Street (Parcel ID 0104446000) in East Boston, Massachusetts. Prior to its redevelopment, Piers Park II site was relatively flat, with an upward slope where the site abuts Piers Park I to the east. The site previously consisted of gravel and exposed soil with weed/grass ground cover and a few clusters of small trees with paved areas along the perimeter of the site and the seawall bordering the Harbor. Piers Park II was developed into a multi-purpose activity space with a children's playground, water play area, walkways, picnic groves and a Sailing Center building that contains administrative offices, utility spaces and bathrooms for the non-profit Piers Park Sailing Center. There is also an open-air pavilion used by the Sailing Center that can be used as an outdoor assembly space.

The limit of work for the stone revetment encompasses approximately 0.25 acres at the southern edge of the Piers Park II parcel (Project site). The Project site currently contains a deteriorated granite and concrete seawall that extends approximately 250 feet (FT) between East Boston Pier 1 and Pier 3 and is located at the southern extent of the newly constructed Piers Park II. The top elevation of the existing Piers Park II seawall is ± 11.0 FT North American Vertical Datum of 1988 (NAVD88). A granite capped concrete separation wall was constructed at an approximately 20-29-FT offset from the existing seawall as part of the Piers Park II construction, with an elevation of ± 11.0 FT NAVD88. Existing and proposed conditions are shown on the Project Plans included as Attachment L. Attachment C includes existing site conditions photographs.

According to the most recent Federal Emergency Management Agency (FEMA) Flood Insurance Rate Map (FIRM) Map Number 25025C0081K, effective July 3, 2024, the Piers Park II site is mapped as FEMA Zone VE (El. ± 13.0 FT NAVD88) and FEMA Zone AE (El. ± 12.0 FT NAVD88) and El. ± 11.0 FT NAVD88) (see Attachment D). The area for the proposed work at the Project site is mapped as FEMA Zone VE (El. ± 13.0 FT NAVD88) and FEMA Zone AE (El. ± 12 FT NAVD88) (see Attachment L).

Foth surveyed the site's topography on November 19, 2019, and collected the bathymetry data on February 28, 2025. Using a vertical datum offset of 0.0 FT NAVD88 = -5.51 FT MLLW, Mean Low Water (MLW), Mean High Water (MHW), and Annual High Tide Line (AHTL) are represented at elevations of -5.16, 4.33, and 6.62 FT NAVD88, respectively.

The proposed Project is not anticipated to negatively impact biological resources in the vicinity of the Project. By introducing measures to stabilize sediments, improve water quality, and support the resilience of the adjacent Piers Park II, the proposed revetment plays a crucial role in protecting the site. According to the Natural Heritage and Endangered Species Program (NHESP) Atlas (15th edition; effective August 1, 2021), the Project limits are not located within designated Priority Habitats of Rare Species or Estimated Habitats of Rare Wildlife and therefore will not require review pursuant to the Massachusetts Endangered Species Act (MESA). There are no certified or potential vernal pools within the vicinity of the Project site.

1.2.1 Subsurface Conditions

The Project area is underlain by anthropogenic fill related to two closed MCP disposal sites identified by the MassDEP as Release Tracking Numbers (RTNs) 3-4064 and 3-19710.¹ RTN 3-4064 is associated with the easternmost quarter of the site and RTN 3-19710 is associated with the remainder of the site. The RTN 3-4064 portion of the site was remediated and restricted with a Notice of Activity and Use Limitation (AUL). The Release Abatement Measure (RAM) Plan, submitted on September 28, 2022, included soil management and worker health and safety requirements to cover activities which disturb contaminated soil both within and outside of the AUL. In addition, a focused risk assessment was completed in accordance with the MassDEP Construction of Buildings in Contaminated Areas Policy (WSC-00-425, January 2000) concluded no significant risk to park visitors from exposure to anthropogenic fill. Pursuant

¹ Release Abatement Measure Completion Report, Piers Park II. Prepared by Kleinfelder Northeast, Inc. January 23, 2024.

to 310 CMR 40.0446 of the Massachusetts Contingency Plan (MCP), the Proponent submitted a RAM Completion Report on January 23, 2024. The report concluded that all activities and objectives outlined in the RAM Plan dated September 28, 2022, were completed, and no further assessment or response actions were necessary. The RAM Completion Report may be obtained from the MassDEP Northeast Regional Office.

The limit of proposed work is approximately 135 FT west of the limits of the AUL associated with RTN-3-4046. RTN 3-19710 is in close proximity to the proposed site, however the proposed area of excavation is about five (5) FT south of the southern boundary of the RTN area. The area of contaminated sediment within the area of RTN 3-19710 was considered as part of the alternatives analysis described in Section 2.0.

1.3 Purpose and Need

The purpose of the proposed stone revetment is to replace the existing seawall located at the southern extent of the newly constructed Piers Park II. The existing seawall is in very poor condition. There are gaps between the stones that allow water to pass through the wall during daily tide cycles. The movement of water through the wall causes the loss of fine sediment from behind the wall that results in the development of large sinkholes behind the wall. Massport must periodically repair the sinkholes behind the wall, which is a long-term safety and maintenance issue. The concrete cap is stained with rust from corrosion of steel barriers and chain link fencing that are mounted on top of the wall. There are also several wide displacement cracks in the concrete cap where there had been some historical movement of the wall. The proposed revetment will address these long-term safety and maintenance issues, reduce wave energy and reflection, create new intertidal zone in lieu of the vertical wall, and will enhance the overall aesthetic of the park as viewed from both water and land while stabilizing and protecting the upland park area.

1.4 Project Description

Construction of the proposed revetment will require demolition of the existing seawall and pile supported pier, and excavation and/or dredging of the existing fill retained by the wall, plus an amount of material seaward of the existing wall as required to construct the stone revetment. The top of the revetment will retreat landward by approximately 20-29 FT relative to the face of the existing seawall. The Project includes installing bollards and chains at the top of the proposed revetment, as well as a fence to secure the Piers Park III site from public access. Additionally, it will support the completion the City's Harborwalk system between Piers Park II and the proposed revetment. Figure 1 shows an aerial view of the Project location, and Figures 2 and 3 show the location of the proposed revetment using 3D renderings.

The proposed Project is shown on the Project Plans in Attachment L. The existing Piers Park II seawall has a top elevation of ± 11.0 FT NAVD88. A concrete cut-off wall was constructed at a 20-29 FT offset from the existing seawall as part of the Piers Park II construction, with an elevation of ± 11.0 FT NAVD88. The top of the proposed stone revetment will be built from the seaward side of the cut-off wall and the proposed revetment will be constructed at a 1.5H:1V slope down to the maximum toe stone depth of -15 FT NAVD88. The estimated quantity of material to be removed for the construction is 2,500 cubic yards (CY).

Massport has secured space in the Boston Harbor Confined Aquatic Disposal (CAD) Cell for the disposal of material for the Project. The CAD Cell is owned and maintained by the U.S. Army Corps of Engineers (USACE). The USACE defers to the Massachusetts Department of Environmental Protection (MassDEP) for the approval of placing material into the cell. Therefore, a Sediment Sampling and Analysis Plan (SAP) and

ultimate Suitability Determination (SD) issued by the USACE are not required. The Proponent developed a SAP, submitted on February 6, 2025, in accordance with USACE and MassDEP 401 Water Quality Certification (WQC) standards for sampling and analysis of dredged material. All approvals of the SAP and soil suitability will come from the MassDEP 401 Water Quality Certification Unit.



Figure 1: Aerial View of the Project Location

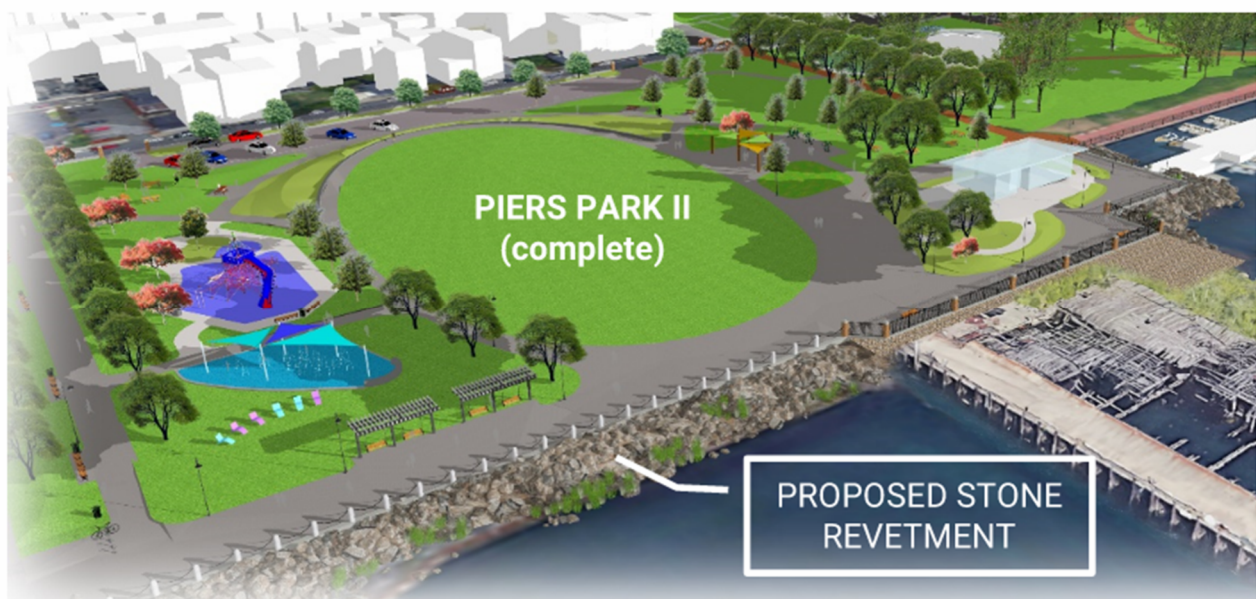


Figure 2: 3D Rendering of Proposed Revetment as Related to Piers Park II, Aerial View



Figure 3: 3D Rendering of Proposed Revetment, View from Boston Harbor

1.5 Regulatory Context

The Project is subject to MEPA review because it requires Agency Action and exceeds the ENF thresholds of 11.03 (3)(b)1a alteration of a coastal dune, barrier beach or coastal bank; 11.03(3)(b)1e new fill or structure or expansion of existing fill or structure, except a pile-supported structure, in a velocity zone or regulatory floodway; and 310 CMR 11.03(b)(6) construction, reconstruction or expansion of an existing solid fill structure of 1,000 or more square feet (SF). The Project requires the preparation of an EIR pursuant to 301 CMR 11.06(7)(b) because it is located within 1-mile of an EJ population. The Project will obtain an Order of Conditions (OOC) from the City of Boston Conservation Commission as the Project is located within wetland resource areas and buffer zones. The Project will obtain a 401 Water Quality Certification from MassDEP and will require Coastal Zone Management (CZM) Federal Consistency Review. The proposed work will be covered under the U.S. Army Corps of Engineers (USACE) General Permit, which will require the filing of a Pre-Construction Notification (PCN) with the USACE. Table 1 summarizes the anticipated permits, reviews, and approvals required for the Project.

**Table 1
Anticipated Permits and Approvals**

Agency	Permit/License/Approval
Local	
City of Boston Conservation Commission	Order of Conditions
State	
Executive Office of Energy and Environmental Affairs	Massachusetts Environmental Policy Act Compliance
Massachusetts Department of Environmental Protection	401 Water Quality Certification
Federal	
United States Army Corps of Engineers	Pre-Construction Notification
Massachusetts Coastal Zone Management	Federal Consistency Review

1.5.1 Local Permits

Under Massport's Enabling Act (Ch. 465 of the Acts of 1956 as amended), Massport is charged with the development, operation, and maintenance of its properties (see Section 3(g) of the Enabling Act). As a general rule, Massachusetts case law provides that an authority or agency of the Commonwealth is not subject to municipal bylaws, ordinances or regulations, so long as the authority or agency is performing an "essential governmental function" and there is no specific statutory provision to the contrary (see also Section 2 of the Enabling Act). Accordingly, as the proposed Project is the performance of an essential government function by Massport and the Enabling Act does not specifically require Massport to be subject to local wetland ordinances, the Project filing by Massport is not subject to the City of Boston's local Wetland Ordinance and related regulations. In accordance with the WPA Regulations, a Notice of Intent (NOI) will be filed with the Boston Conservation Commission for the proposed activities occurring within the coastal areas subject to protection under the Massachusetts Wetlands Protection Act (M.G.L. c. 131, § 40).

1.5.2 State Permits

The Project will also obtain a 401 Water Quality Certification from MassDEP for Discharge of Dredged or Fill Material, Dredging, and Dredged Material Disposal in Waters of the United States within the Commonwealth pursuant to 314 CMR 9.00.

The Project site is located within Chapter 91 jurisdiction and is considered to be located on Commonwealth tidelands because it is owned by Massport, a quasi-public authority. As the Commonwealth's authority established to protect and promote the Port of Boston, Massport has a special role under Chapter 91 in implementing the public trust. Accordingly, MassDEP and Massport executed a Memorandum of Understanding (MOU) covering the East Boston Piers on February 15, 2002. Although the MOU exempts the Project from Chapter 91 licensing, the Project, however, will meet the purpose and intent of the Chapter 91 Waterways regulations. The Project is water-dependent pursuant to 310 CMR 9.12(2)(a)(4) of the Waterways regulations due to the Project's purpose to support and protect the adjacent Piers Park II, which promotes use and enjoyment of the water by the general public and requires direct access to the water.

1.5.3 Federal Permits

The Project includes activities in waters of the U.S. (WOTUS) and is therefore within the jurisdiction of the U.S. Army Corps of Engineers (USACE). The Project will obtain an MA General Permit from the USACE.

1.6 Community and Agency Outreach

The Proponent has been actively conducting community outreach for Piers Park II since 2017. From that time onward, there have been multiple meetings with various stakeholders, including, but not limited to, the East Boston Piers Park Advisory Committee (PiersPAC), the Jefferies Point Neighborhood Association, the Waterfront Development Advisory Committee (WDAC), the Logan Impact Advisory Group (IAG), as well as Boston elected officials and other neighborhood groups. These efforts continued until the opening of the park in December 2023. Throughout this period, the water's edge had several design options under consideration for shoreline stabilization; however, all participants have been aware that the water's edge would ultimately be completed and integrated into the Piers Park II project.

An interagency meeting with the Massachusetts Environmental Policy Act (MEPA) Office, Massachusetts Department of Environmental Protection (MassDEP), U.S. Army Corps of Engineers (USACE), Massachusetts Office of Coastal Zone Management (CZM), Boston Conservation Commission (BCC), and Division of Marine Fisheries (DMF) was held on January 27, 2025. Additionally, the Project team held a pre-application meeting with the MassDEP 401 Water Quality Certification (WQC) Program on January 31, 2025. The Proponent will continue to coordinate with the community and relevant agencies to secure the necessary approvals throughout the permitting process.

2. Alternatives Analysis

The Proponent evaluated several alternatives before selecting the Preferred Alternative for the Project design. The Preferred Alternative meets the Project goals of addressing the safety concerns of the failing seawall and protecting adjacent Piers Park II and surrounding infrastructure while minimizing impacts to coastal resources. Table 2 provides a quantitative comparison of potential environmental impacts. Attachment F includes the alternatives analysis cross sections. The considered alternatives include:

- Alternative 1 – Revetment Slope Centered at Existing Seawall (Preferred);
- Alternative 2 – Revetment Crest at Existing Seawall (Seaward Shift);
- Alternative 3 – Revetment Toe at Existing Seawall (Landward Shift);
- Alternative 4 – Steel Sheet Pile Bulkhead;
- Alternative 5 – Repairs to Existing Seawall;
- Alternative 6 – No Action

2.1 Alternative 1 – Revetment Slope Centered at Existing Seawall (Preferred)

The Project is intended to provide protection and stabilization for the Piers Park II site. Alternative 1 considered a revetment with a 1.5H:1V slope where the middle of the slope is centered approximately at the location of the existing seawall. Based on the existing bathymetry; in order to meet the existing mudline, the toe of the revetment will extend approximately 25 FT beyond the location of the existing seawall and onto land under ocean. The crest of the revetment will be at the same ± 11.0 FT NAVD88 elevation of the existing seawall and extend approximately 20 FT inland into Land Subject to Coastal Storm Flowage (LSCSF). Excavation for the installation of the revetment minimizes excavation required in the area of contaminated material identified in the RTN area. This selected alternative minimizes the impacts to Resource Areas, with 1,709 SF impact to Land Under Ocean, 244 linear feet (LF) to Coastal Bank, 1,966 SF to Coastal Beach, and 5,202 SF to LSCSF. Additionally, it does not require removal of the existing walls foundation piles in their entirety and limits the excavation required within the area of contaminated sediment. This alternative was chosen as the solution to addressing the repair of the existing seawall.

2.2 Alternative 2 – Revetment Crest at Existing Seawall (Seaward Shift)

Alternative 2 considered a revetment with a 1.5H:1V slope where the crest begins at the same elevation (± 11.0 FT NAVD88) and approximate location of the existing seawall. Based on the existing bathymetry; in order to meet the existing mudline, the toe of the revetment would have to extend approximately 65 FT seaward and into Land Under Ocean resulting in a net increase of approximately 7,000 SF of additional impacts when compared to Alternative 1. Placement of a revetment to this depth would require significant shoring and dewatering to provide for controlled placement of armor stone. Ending the revetment prior to meeting the existing mudline would place the structure at risk of horizontal displacement.

2.3 Alternative 3 – Revetment Toe at Existing Seawall (Landward Shift)

Alternative 3 considered a revetment where the toe is placed at the location of the existing seawall. The revetment would utilize a 1.5H:1V slope upwards and inland to a crest elevation of ± 11.0 FT NAVD88 to match the existing seawall. In this configuration the revetment crest would be located approximately 40 FT inland of the existing seawall impacting the land subject to coastal storm flowage. While Alternative 3 would reduce impacts to LUO, it results in approximately 6,500 CY of additional excavation to be performed (260% increase from the Preferred Alternative), introducing increased exposure to the soil within the contaminated area of the RTN. In addition, Alternative 3 would result in the elimination of the proposed Harborwalk connecting to the existing Harborwalk in Piers Park I. To construct the required Harborwalk, extensive regrading and reconstruction of the newly completed Piers Park II would be required, which would cause extensive disruption to use of the existing park.

2.4 Alternative 4 – Steel Sheet Pile Bulkhead

Alternative 4 considered “oversheeting” the existing seawall with a steel sheet pile bulkhead and concrete cap with a top elevation at the same elevation of ± 11.0 FT NAVD88. Based upon review of available record plan and permit information, the existing seawall is pile supported with batter piles sloped seaward which extend beyond the seaward face of the seawall. The batter piles may significantly impact the ability for the sheet piles to reach the required top elevation. Given the elevation of the timber piles, complete removal may require significant excavation of intertidal material. Moreover, the exposed face of the bulkhead will exceed that of typical cantilevered designs (10 FT-15 FT) and require the use of an anchor system inland. Excavation and construction operations to install the anchor system will expose soils within the nearby RTN area.

2.5 Alternative 5 – Repairs to Existing Seawall

The existing seawall has reached the end of its service life. Evidence suggests that the seawall may have been undermined in the past, and the foundation of the existing wall may be close to the current grade. Any repairs would have a limited service life due to this shallow footing condition, and toe sheets would encounter the same subsurface obstructions as in Alternative 4.

Maintenance would involve cutting the fence and steel barrier posts flush with the concrete cap, repairing large cracks in the concrete cap, and cleaning the concrete cap to remove rust stains. Additionally, minor repairs would be made to the granite stones to replace missing stones or fill large gaps. The backfill would be excavated and replaced, and a filter fabric would be installed along the wall's back face to minimize future loss of fine sediment. All maintenance efforts for this alternative would be led by the Proponent.

This alternative would result in significantly more long-term maintenance and is not as cost-effective as the Preferred Alternative's sloped stone revetment.

2.6 Alternative 6 – No Action

The No Action Alternative would leave the existing granite block seawall in its current condition. During an inspection performed by Foth on November 3, 2021, evidence of previous repair was observed at the toe of the seawall to address scour. If scour continues and the toe of the revetment is exposed the structure is at risk of failure. The risk of failure is particularly a concern if the seawall support piles are timber and the exposure to oxygen expedites their deterioration. The risk of failure mandates that action needs to be taken to provide the structural resiliency or lifespan required to service the upland use of the waterfront. Given this risk, it is crucial to take action to ensure the structural resilience and longevity needed to support Piers Park II's upland use. Promptly addressing these issues will help maintain the seawall's integrity and protect adjacent infrastructure and coastal resources.

2.7 Quantitative Comparison of Alternatives Considered

Table 2 below provides a quantitative impact analysis comparing the alternatives described above to the Project.

Table 2 Comparison of Coastal Resource Area Impacts

Impact Category	Alternative 1	Alternative 2	Alternative 3	Alternative 4	Alternative 5	Alternative 6
LSCSF	5,202 SF	0 SF	9,600 SF	5,202 SF	0 SF	0 SF
Coastal Bank	244 LF	244 LF	244 LF	244 LF	244 LF	0 LF
Coastal Beach	1,966 SF	1,966 SF	1,966 SF	2,550 SF	0 SF	0 SF
Land Under Ocean	1,709 SF	13,634 SF	1,634 SF	1,050 SF	0 SF	0 SF

3. Wetland and Coastal Resources

As shown on the plans included in Attachment L, the Project site is located in the vicinity of Land Subject to Coastal Storm Flowage (LSCSF), Land Under Ocean (LUO), Coastal Beach, a Fish Run and the 100-ft Buffer Zone, as defined in accordance with the 310 CMR 10.00 Wetlands Protection Act (WPA) Regulations. Coastal resource areas were identified using a combination of Massachusetts GIS with field confirmation. Tidal datums were used to identify the limits of Coastal Beach and several of the resource areas.

3.1 Land Subject to Coastal Storm Flowage (310 CMR 10.02)

The WPA defines Lands Subject to Coastal Storm Flowage (LSCSF) as "land subject to any inundation caused by coastal storms up to and including that caused by the 100-year storm, surge of record or storm of record, whichever is greater." The areas mapped by the Federal Emergency Management Agency (FEMA) on community Flood Insurance Rate Maps (FIRM) as the 100-year flood plain within the coastal zone are included within LSCSF. LSCSF may be significant to the interests of storm damage prevention, flood control, pollution prevention and wildlife habitat. LSCSF in this area contains other jurisdictional resource areas which are important for storm damage prevention and flood control.

There are currently no performance standards for work in LSCSF in the WPA. The proposed work has been designed as to not negatively impact surrounding parcels during extreme tide cycles and to withstand environmental forces during 100-year storm events. The proposed activity in the LSCSF will not adversely impact its ability to remove suspended solids and other contaminants from runoff before they enter other wetland resource areas or bodies of water. Instead, the Project will support and enhance these functions, ensuring the site's pollution prevention capabilities are maintained and even improved. Additionally, the proposed work will not redirect natural flow or floodwaters.

3.2 Land Under Ocean (310 CMR 10.25)

The WPA defines Land Under Ocean (LUO) as land extending from the MLW line seaward to the boundary of the municipality's jurisdiction and includes land under estuaries. The proposed Project meets the performance standards for LUO as follows:

- a. *water circulation*: The proposed work will not impact water circulation in the vicinity of the resource area. The Project design ensures that there are no obstructions or alterations to the flow patterns that could disrupt the existing water dynamics.
- b. *distribution of sediment grain size*: The proposed work will not impact the distribution of sediment grain size of the resource area. The Project will avoid activities that could cause sediment displacement or changes in sediment composition, thereby preserving the natural sediment structure.
- c. *water quality*: The proposed work will not impact the water quality of the resource area. The Project includes measures to prevent pollution, such as controlling runoff and avoiding the release of contaminants, ensuring that the water remains clean and safe for all aquatic organisms.
- d. *finfish habitat*: The proposed work will not impact finfish habitat. The Project has been designed to avoid any disturbances to these critical areas, ensuring that finfish populations are not adversely affected and can continue to thrive in their natural environment.
- e. *important food for wildlife*: The proposed work will not impact important food for wildlife. The Project will ensure that these food sources are not disrupted, supporting the continued health and biodiversity of the wildlife that relies on them.

3.3 Coastal Beach (310 CMR 10.27)

Coastal Beach is defined by the WPA as unconsolidated sediment subject to wave, tidal and coastal storm action that forms the gently sloping shore of a body of salt water. Coastal Beaches extend from the MLW line landward to the dune line, coastal bank line or the seaward edge of existing man-made structures, when these structures replace one of the above lines, whichever is closest to the ocean. Coastal Beaches may play an important role in storm damage prevention, flood control and the protection of marine fisheries similar to Land Under Ocean (LUO). Coastal Beaches may reduce wave energy, and natural beaches provide sediment to LUO, which serves as a buffer to storm waves.

Coastal Beach performance standards listed in 310 CMR 10.27 (3) through (7) are addressed below. The proposed Project meets the performance standards for Coastal Beaches as follows:

(3) Any project on a coastal beach, except any project permitted under 310 CMR 10.30(3)(a), shall not have an adverse effect by increasing erosion, decreasing the volume or changing the form of any such coastal beach or an adjacent or downdrift coastal beach.

The proposed Project will not adversely affect coastal beach by increasing erosion, decreasing the volume or changing the form of any coastal beach or downdrift coastal beach.

(4) Any groin, jetty, solid pier, or other such solid fill structure which will interfere with littoral drift, in addition to complying with 310 CMR 10.27(3), shall be constructed as follows:

(a) It shall be the minimum length and height demonstrated to be necessary to maintain beach form and volume. In evaluating necessity, coastal engineering, physical oceanographic and/or coastal geologic information shall be considered.

(b) Immediately after construction any groin shall be filled to entrapment capacity in height and length with sediment of grain size compatible with that of the adjacent beach.

(c) Jetties trapping littoral drift material shall contain a sand by-pass system to transfer sediments to the downdrift side of the inlet or shall be periodically redredged to provide beach nourishment to ensure that downdrift or adjacent beaches are not starved of sediments.

The Project does not involve the construction of a new jetty.

(5) Notwithstanding 310 CMR 10.27(3), beach nourishment with clean sediment of a grain size compatible with that on the existing beach may be permitted.

No beach nourishment is proposed as part of the Project.

(6) In addition to complying with the requirements of 310 CMR 10.27(3) and (4), a project on a tidal flat shall, if water-dependent, be designed and constructed, using best available measures, so as to minimize adverse effects, and if non-water-dependent, have no adverse effects, on marine fisheries and wildlife habitat caused by:

(a) alterations in water circulation;

(b) alterations in the distribution of sediment grain size; and

(c) changes in water quality, including, but not limited to, other than natural fluctuations in the levels of dissolved oxygen, temperature or turbidity, or the addition of pollutants.

The Project will not permanently impact tidal flats, water circulation, distribution of sediment grain size, or water quality.

(7) Notwithstanding the provisions of 310 CMR 10.27(3) through (6), no project may be permitted which will have any adverse effect on specified habitat sites or rare vertebrate or invertebrate species, as identified by procedures established under 310 CMR 10.37.

No specified habitats of rare vertebrate or invertebrate species have been identified within the proposed limits of work.

3.4 Anadromous/Catadromous Fish Run ("Fish Run") (310 CMR 10.35)

According to 310 CMR 10.35 of the WPA, Anadromous/Catadromous Fish Run means the area within estuaries, ponds, streams, creeks, rivers, lakes or coastal waters, which is a spawning or feeding ground or passageway for anadromous or catadromous fish and which is identified by the Division of Marine Fisheries or has been mapped on the Coastal Atlas of the Coastal Zone Management Program. Such fish runs shall include those areas which have historically served as fish runs and are either being restored or are planned to be restored at the time the NOI is filed. For the purposes of 310 CMR 10.21 through 10.37, such fish runs shall extend inland no further than the inland boundary of the coastal zone.

WHEN SUCH LAND OR BANK IS DETERMINED TO BE SIGNIFICANT TO THE PROTECTION OF MARINE FISHERIES, 310 CMR 10.35(3) THROUGH (5) SHALL APPLY:

3. *Any project on such land or bank shall not have an adverse effect on the anadromous or catadromous fish run by:*
 - a. *impeding or obstructing the migration of the fish, unless DMF has determined that such impeding or obstructing is acceptable, pursuant to its authority under M.G.L. c. 130, § 19;*
 - b. *changing the volume or rate of flow of water within the fish run; or*
 - c. *impairing the capacity of spawning or nursery habitats necessary to sustain the various life stages of the fish.*
4. *Unless otherwise allowed by DMF pursuant to M.G.L. c. 130, § 19, dredging, disposal of Dredged Material or filling in a fish run shall be prohibited between March 15th and June 15th in any year.*
5. *Notwithstanding the provisions of 310 CMR 10.35(3), no project may be permitted which will have any adverse effect on specified habitat sites of rare vertebrate or invertebrate species, as identified by procedures established under 310 CMR 10.37.*

The proposed revetment structure is specifically engineered to reduce impacts on coastal resources. The area surrounding the Project site consists of a previously altered shoreline; the proposed Project will decrease storm damage and will reduce additional erosion along the existing altered shoreline. The Project area does not contain any known habitats of rare vertebrate or invertebrate species, and the Project site is not mapped as Priority Habitat and Estimated Habitat according to the Massachusetts Natural Heritage Atlas (15th Edition). The proposed Project will consider any suggested Best Management Practices (BMPs) to minimize impacts and adhere to applicable Time of Year (TOY) restrictions. These BMPs may include the use of silt curtains during demolition, dredging, and construction activities.

3.5 Coastal Bank (310 CMR 10.30)

The WPA defines Coastal Bank as the seaward face or side of any elevated landform, other than a coastal dune, which lies at the landward edge of a coastal beach, land subject to tidal action, or other wetland. The existing granite seawall can be described as Coastal Bank because it is situated at the landward edge of a coastal area subject to tidal action. Therefore, it is anticipated that the development of the Project would result in approximately 244 LF of impacts to Coastal Bank. This length of Coastal Bank will be restored in the form of the new revetement.

3.6 Consistency with CZM Policies

The Proponent has had ongoing discussions with CZM during the design process and will continue to coordinate with them for feedback throughout the review and permitting process. Please see below for how the Project is anticipated to comply with applicable CZM Policies.

Coastal Hazard Policy #1 – Preserve, protect, restore, and enhance the beneficial functions of storm damage prevention and flood control provided by natural coastal landforms, such as dunes, beaches, barrier beaches, coastal banks, and land subject to coastal storm flowage, salt marshes, and land under the ocean.

The site is surrounded by the waters of Boston Harbor. According to the most recent FEMA FIRM Map Number 25025C0081K, the Piers Park II site is mapped as FEMA Zone VE (El. ±13.0 FT NAVD88) and FEMA Zone AE (El. ±12.0 FT NAVD88) and El. ±11.0 FT NAVD88). The area for the proposed work at the Project site is mapped as FEMA Zone VE (El. ±13.0 FT NAVD88) and FEMA Zone AE (El. ±12 FT NAVD88). The proposed Project will stabilize the existing shoreline, which currently contains an existing deteriorated granite and concrete seawall. The proposed Project has been designed to minimize impacts on coastal resource areas while enhancing the site's sustainability.

Coastal Hazard Policy #2 - Ensure that construction in water bodies and contiguous land areas will minimize interference with water circulation and sediment transport. Flood or erosion control projects must demonstrate no significant adverse effects on the project site or adjacent or downcoast areas.

The Project is not anticipated to interfere with water circulation and sediment transport, ensuring the natural processes remain undisturbed. Removal of the pile-supported pier will aid in water circulation. The site changes are expected to significantly improve and enhance the site's overall sustainability and resilience. There are no anticipated adverse effects on adjacent or downcoast areas. Please refer to the Project narrative for a summary of the mitigation measures intended to be implemented during the Project.

Growth Management Principle #1 - Encourage sustainable development that is consistent with state, regional, and local plans and supports the quality and character of the community.

The Project encourages sustainable development consistent with local, state and regional plans as it takes into consideration sea level rise and involves the removal of the existing deteriorating structures and protection of the adjacent Piers Park II, which provides direct waterfront access to the community. This will provide better protection for the site and adjacent infrastructure, along with improving the aesthetic of the shoreline in this area.

Habitat Policy #1 - Protect coastal, estuarine, and marine habitats—including salt marshes, shellfish beds, submerged aquatic vegetation, dunes, beaches, barrier beaches, banks, salt ponds, eelgrass beds, tidal flats, rocky shores, bays, sounds, and other ocean habitats—and coastal freshwater streams, ponds, and wetlands to preserve critical wildlife habitat and other important functions and services including nutrient and sediment attenuation, wave and storm damage protection, and landform movement and processes.

The Project has been designed to minimize impacts to the site and adjacent Piers Park II and will ensure that impacts beyond the Project footprint are minimized. BMP's will be implemented during dredging/construction to minimize any potential impacts to the marine resources in the Boston Harbor. Space in the Boston Harbor Confined Aquatic Disposal (CAD) Cell has been secured by Massport for the disposal of dredged material for this Project. The Project will also assist in providing wave and storm damage protection, protecting the resilience of the nearby park and existing infrastructure surrounding the Project site. The development of the proposed revetment will improve the shoreline's ability to retain sediment and will reduce erosion currently occurring in the exposed areas. The Project will stabilize the slope and protect the adjacent upland infrastructure from further negative impacts.

Habitat Policy #2 - Advance the restoration of degraded or former habitats in coastal and marine areas.

The Project will remove an existing dilapidated pier and assist in creating an improved habitat area. The proposed construction of the stone revetment will help stabilize the shoreline, prevent erosion, and ultimately help to increase and support habitat in the area.

Ports and Harbors Policy #1 - Ensure that dredging and disposal of dredged material minimize adverse effects on water quality, physical processes, marine productivity, and public health and take full advantage of opportunities for beneficial re-use.

Dredging activities along the existing vertical seawall will use BMPs to minimize impacts on the water quality and habitats in the vicinity of the Project site. Space in the Boston Harbor Confined Aquatic Disposal (CAD) Cell has been secured by Massport for the disposal of dredged material for this Project. It has been determined that excavation and dredging from the waterside with sediments loaded into dump scows will be the most efficient, environmentally friendly, and economical dredging and disposal alternative for this Project.

Ports and Harbors Policy #5 - Encourage, through technical and financial assistance, expansion of water dependent uses in Designated Port Areas and developed harbors, re-development of urban waterfronts, and expansion of physical and visual access.

The Project will contribute to redevelopment of East Boston's waterfront by replacing an old deteriorated vertical structure with a newly constructed, more aesthetically pleasing sloped stone structure. The Project will provide protection to the adjacent Piers Park II, which creates physical and visual access to the waterfront in this area. The proposed new revetment will also be sloped, instead of the current vertical wall, which will expand visual access for the public.

Public Access Policy #1 - Ensure that development (both water-dependent or nonwater-dependent) of coastal sites subject to state waterways regulation will promote general public enjoyment of the water's edge, to an extent commensurate with the Commonwealth's interests in flowed and filled tidelands under the Public Trust Doctrine.

The Project will protect the newly constructed Piers Park II, which is a public destination. Additionally, once complete, the proposed construction of a new sloped revetment in replacement of the existing vertical seawall allows waves to lose energy gradually as they hit the rocks, which will ultimately reduce the impact on the land behind the revetment.

4. Climate Change Adaptation and Resiliency

4.1 Introduction

The Project is intended to address resiliency planning and design for the East Boston waterfront, while protecting a public waterfront park. The Proponent will replace a failing marine structure with a flood-tolerant stone riprap shoreline. The Project aims to reduce wave energy, especially in increasingly frequent storm events, withstand a significant daily tidal range, storm events, and tidal flooding and protect the surrounding area (specifically Piers Park II) during significant flood events. Piers Park II, completed in 2023, was also elevated to protect the East Boston community from coastal flood events and contribute to the City's comprehensive flood protection strategy for the East Boston waterfront. The proposed revetment design will also provide more suitable protection from prevailing wave action. Once completed, the Project will require minimal maintenance/funds allocated to maintenance.

4.2 Existing Flood Conditions

The Project site currently includes an existing granite and concrete seawall that extends approximately 250 FT between East Boston Piers 1 and 3, just south of Piers Park II. The tide for Boston Harbor has a diurnal range (difference in height between MHHW (El. 4.77 FT NAVD88) and MLLW (El. -5.51 FT NAVD88) of approximately 10.3 FT according to the NOAA long-term tide gauge for Boston Harbor, Station 8443970. The FEMA FIRM for Suffolk County, Map Number 25025C0081K (see Attachment D) indicates the Project site is located within FEMA's Special Flood Hazard Area (SFHA), defined as the area subject to the 1% annual storm event. This SFHA for the site is within an AE Zone, which is the base floodplain where base flood elevations are provided, and a VE Zone, which are coastal areas subject to additional hazards due to high storm wave velocities as well as the 1% storm event. The Base Flood Elevations (BFE) for Zone AE and VE are El. ± 12.0 and ± 13.0 FT NAVD88, respectively. FEMA flood zones are predicted based on historic events and do not consider future conditions. As the Project is located along Boston Harbor, the Project site receives wave impact beyond normal tide and weather action due to wake from commercial shipping and commuter, recreational, and other watercraft.

4.2.1 Resilient MA Action Team Climate Resilience Design Standards Tool Outputs

The Resilient Massachusetts Action Team (RMAT) Tool was used to evaluate the Project's risk to climate change exposure and obtain guidance for best practices and resilience design standards to support the Project. The report generated by this tool is summarized below and more details are included in Attachment H. Per the RMAT Tool outputs, the Project site should also prepare for 8.4 inches of precipitation in the 25-year (4%) return period and high heat risk in 2070.

- **Target Planning Horizon** – 2070
- **Intermediate Planning Horizon** – 2050
- **Return Period** – 50-year (2%)

Table 3
Projected Tidal Datums

Climate Horizon	Tidal Benchmarks (FT, NAVD88)				
	MHHW	MHW	MTL	MLW	MLLW
2050	7.8	7.4	2.5	-2.4	-2.7
2070	9.7	9.3	43	-0.7	-1.0

Table 4
Projected Wave Action Water Elevation

Climate Horizon	Wave Action Elevation (FT, NAVD88)		
	Maximum	Minimum	Weighted Average
2050	14.3	12.8	13.6
2070	16.1	14.6	15.4

Table 5
Projected Wave Height

Climate Horizon	Wave Height (FT)		
	Maximum	Minimum	Weighted Average
2050	4.0	1.5	3.1
2070	4.0	1.5	3.2

4.2.2 Greenhouse Gas Emissions

During construction, greenhouse gas (GHG) emissions will be limited to the mobilization, hauling, excavation/dredging, and other mechanical activities by the General Contractor's equipment. These mechanical activities will result in GHG emissions due to the burning of fossil fuels but will be mitigated through encouraging the construction workforce to use public transportation and other non-vehicular modes of transportation to the work site. Greenhouse gas emissions that will be present as a result of this Project will cease after construction operations are complete.

4.3 Climate Change Resiliency

4.3.1 Sea Level Rise and Coastal Storm Surge

Massport has been working with the City on a more comprehensive strategy to prevent flooding of the East Boston community through linking existing elevated areas of Piers Park I and II, and the adjacent Portside at East Pier residential development. Sea level rise and coastal storm surge will be addressed within the Project design with respect to the revetment's slope and elevation. The Proponent proposes a sloped stone revetment with a crest elevation at ± 11.0 FT NAVD88 that matches the surrounding Piers Park I parcel to the east and Piers Park Lane to the west.

Piers Park II was designed to a minimum Design Flood Elevation (DFE) of ± 14.0 FT NAVD88 to protect the East Boston neighborhood. Marginal Street, immediately to the north of Piers Park II, varies in elevation in the area from approximately 8.5 FT to 10.0 FT NAVD88. The ± 14.0 FT NAVD88 DFE is equivalent to a 2070 storm surge event with a 1.0% probability of exceedance (100-year recurrence interval) with approximately 1.1 FT of freeboard per the Massachusetts Coastal Flood Risk Model (MC-FRM). This same elevation is also equal to a 2070 storm surge event with a 0.2% probability of occurrence (500-year recurrence interval) with no freeboard.

The highest protected elevation of the adjacent Piers Park I is approximately 13.8 FT NAVD88. The ± 14.0 FT NAVD88 DFE for Piers Park II is slightly higher than the existing protected elevation of Piers Park I. During design of Piers Park II, consideration was given to designing Piers Park II to a higher DFE, but it was decided that raising Piers Park II significantly higher than Piers Park I would provide no additional flood protection to East Boston because flood water would just go around the Piers Park II berm and through Piers Park I.

Piers Park II is designed to allow encroachment of storm surge into lower sections of the park, with the ground elevations gently sloping up to a flood-protection berm located closer to Marginal Street. The first floor of the Sailing Center Building, which is close to the water within the flood zone, has an elevation of ± 14.0 FT NAVD88. The lower 3.0 FT of the building walls are solid concrete built to Elevation ± 17.0 FT NAVD88. The six doors in the building are provided with deployable drop-in flood barriers to protect the structure to Massport's Design Flood Elevation of ± 17.0 FT NAVD88 for new structures.

An estimated future 2070 Highest Astronomical Tide (HAT) of 10.8 FT NAVD88 was approximated by adding the present-day Mean Higher High Water (MHHW) elevation of 6.5 FT NAVD88 as measured at the NOAA Boston Harbor Tide Gauge (Station 8443970) to the 2070 Sea Level Rise estimate of 4.3 FT. The proposed top of revetment of elevation ± 11.0 FT NAVD88 is above the 2070 HAT estimate of 10.8 FT NAVD88, which would prevent nuisance flooding of the Harborwalk from the majority of tidal events out to the 2070 timeframe.

The effects of coastal storm surge on the construction and longevity of the proposed sloped stone revetment have been considered. The design of the seawall replacement will heavily consider the lateral loads and impacts of storm surge events and will be designed to withstand those events without significant damage. The existing granite seawall at the Project site will be replaced with a stone revetment. The proposed revetment will be gradually sloped to avoid any issues with wave reflection and will also help absorb and dissipate wave energy through the voids within the riprap. The revetment will not negatively impact the existing storm surge protection along the Piers Park II shoreline. The revetment will also create a low-maintenance long-term solution to a dilapidated existing granite seawall that is currently susceptible to wave impacts.

4.3.2 Stormwater Management

The Project will address resiliency in stormwater management through various measures. The stone revetment is designed to be impervious, ensuring that it will not impact the existing stormwater management system on the upland portion of the site within Piers Park II. The Project will incorporate BMPs to manage and reduce sedimentation during construction. The Project will include a plan for regular monitoring and maintenance to ensure ongoing compliance and effectiveness.

5. Environmental Justice and Public Health

The Project will provide both short- and long-term environmental and public health benefits by protecting existing resource areas and adjacent infrastructure. This protection is particularly important during severe weather events and in response to projected sea level rise. The Project will implement measures to prevent erosion, maintaining the integrity of the coastal resource areas. Overall, the Project aims to create a healthier, more sustainable environment that protects vital coastal resources and infrastructure.

Section 60 of Chapter 8 of the Acts of 2021: An Act Creating a Next-Generation Roadmap for Massachusetts Climate Policy (the "Climate Roadmap Act") (Adding new Section 62J to M.G.L. c. 30), directs the Secretary of the EEA to provide opportunities for meaningful public involvement by EJ populations during the MEPA review process. Section 60 also specifies certain requirements for ENFs filed with the MEPA office. For new projects filed after January 1, 2022, all ENFs must provide a narrative identifying EJ population within 1- mile of the Project site and describe whether the project is reasonably likely to negatively affect such EJ populations.

EJ populations within the vicinity of the Project site have been identified using the Massachusetts GIS EJ Mapping tool and are shown in Attachment I. The Project will not negatively affect EJ populations within the designated geographic area and there are no existing unfair or inequitable environmental burdens or related health consequences associated with this Project. The Project has complied with Section II of the Protocol and 301 CMR 11.05(4)(b) by providing advance notification of the EENF filing no earlier than 45 days, and no later than 90 days prior to filing the EENF. Advanced notification of the Project filing was provided on November 11, 2024, along with publication in the Boston Herald, the Boston Globe, the East Boston Times and El Mundo Boston.

The Proponent will distribute the EENF and EIR with offers to provide translations upon request and will continue coordination with community-based organizations (CBOs), municipal agencies, and members of the EJ populations residing near the Project. The public will also have the opportunity to participate in public

hearings and provide comments on the NOI submission as the Project advances to the Boston Conservation Commission and other regulatory agencies during the permitting process. Additionally, Massport will provide staff contact information to enable direct communication, ensuring prompt resolution and mitigation of any issues that may arise.

The proposed Project aims to enhance the coastal resiliency, stability, and longevity of the shoreline. It poses no threat to public health and will ensure the future safety of the infrastructure in the surrounding area. The Proponent has assessed existing unfair or inequitable environmental burdens and related public health consequences impacting EJ populations. While the construction of the proposed revetment will result in short-term impacts, these are greatly outweighed by the long-term benefits for the surrounding EJ population. By introducing measures to stabilize sediments, improve water quality, and support the resilience of the adjacent Piers Park II, the proposed revetment plays a crucial role in protecting the site. It will ensure long-term shoreline stabilization and erosion protection, supporting the mission to create and preserve publicly accessible green space along the Harbor. Additionally, it will support the completion the City's Harborwalk system, offering enhanced opportunities for exercise and recreational activities along the waterfront for nearby neighborhoods and diverse populations, including EJ and non-EJ communities.

5.1.1 Vulnerable Health Criteria

The Proponent has utilized additional data layers through Massachusetts Department of Public Health (MassDPH) EJ Tool to determine other potential sources of pollution within the 1-mile radius of the Project site. The MassDPH EJ Tool exhibits four vulnerable health criteria. The four vulnerable health criteria per municipality include Heart Attack per 10,000, Pediatric Asthma Emergency Department (ED) Visits Rate per 10,000, Elevated Blood Lead Prevalence per 1,000, and Low Birth Weight (LBW) per 10,000. Elevated Blood Lead Prevalence per 1,000 and LBW per 10,000 are based on 2010 census tract data. EJ communities that exist within these vulnerable health areas could potentially bear an unfair or inequitable environmental burden and related public health consequences. The EJ criterion is met if they are equal to or greater than 110% of the state prevalence.

5.1.2 Heart Attack (Municipal)

According to the MassDPH, heart attack hospitalization is a criterion used to identify vulnerable health EJ Populations because exposure to air pollution can increase the risk for heart attack and other forms of heart disease, and it is indicative of a serious chronic illness that can lead to disability, decreased quality of life, and premature death. People living in EJ areas with higher than average heart attack hospitalization rates may be more vulnerable to adverse environmental exposure. The associated Massachusetts statewide age-adjusted rate was 25.4 per 10,000 from 2017-2021 and 110% of the statewide rate was 28.0 per 10,000. The City of Boston, within a 1-mile radius of the Project site, does not meet the vulnerable health criteria, has a rate that is statistically significantly lower than the statewide rates at 21.8 Heart Attacks per 10,000 with 698.2 case counts from 2017 – 2021.

5.1.3 Childhood Asthma (Municipal)

According to MassDPH, childhood asthma is a criterion used to identify vulnerable health EJ Populations because people of color and low-income individuals are at greater risk for asthma exacerbations due to increased exposure to asthma triggers, and uncontrolled asthma can impact an individual's overall health and wellbeing. Asthma has been directly linked to air pollution, exposure to environmental contaminants, and poor housing conditions. The associated Massachusetts statewide rate was 59.7 Pediatric Asthma ED Visits per 10,000 from 2017 – 2021 and 110% of the statewide rate was 65.7 Pediatric Asthma ED Visits per 10,000. The City of Boston meets this vulnerable health criteria, with a rate statistically significantly higher at 121.4 Pediatric Asthma ED Visits per 10,000 with 731.4 case counts from 2017 – 2021.

5.1.4 Childhood Blood Lead Exposure (Census Tract)

According to MassDPH, childhood lead exposure is used to identify vulnerable health EJ Populations because lead exposure disproportionately impacts lower income communities and communities of color, and childhood exposure to relatively low levels can cause severe and irreversible health effects, including damage to a child's mental and physical development. Within 1-mile of the Project site, eight census tracts are triggered for having Elevated Blood Lead Presence with a total of 24.4 cases from 2015-2019. The Massachusetts statewide rate was 16.2 per 1,000. Census Tracts with higher-than-average elevated blood lead prevalence rates are included in Table 6 below.

Table 6
Elevated Blood Lead Level Prevalence per 1,000, 2015 – 2019

2010 Census Tract	Community Case Count	Statewide Rate Per 1,000	110% of the Statewide Rate	Community Rate Per 1,000
25025051200	1.6	16.2	17.8	21.8
25025050700	2.4	16.2	17.8	16.9
25025050600	2.2	16.2	17.8	31
25025050500	1.2	16.2	17.8	20.4
25025050400	1.4	16.2	17.8	25.7
25025050200	7.6	16.2	17.8	41.2
25025050101	3	16.2	17.8	18.9
25025050901	5	16.2	17.8	33
Total	24.4			

5.1.5 Low Birth Weight (Census Tract)

According to MassDPH, Low Birth Weight (LBW) is a criterion used to identify vulnerable health EJ Populations because exposure to environmental contaminants can increase the risk of delivering a LBW baby and LBW is a significant predictor of maternal and infant health. Women of color and women of low income have a higher risk of delivering a LBW baby. LBW can increase the risk of infant mortality and morbidity, health problems throughout childhood, developing cognitive disorders, developmental delay, and chronic diseases as an adult such as cardiovascular diseases and type 2 diabetes. Within 1-mile of the Project site, seven census tracts were triggered for being LBW vulnerable with a total of 12.6 cases from 2011-2015. The Massachusetts statewide rate was 216.8 per 1,000. Census Tracts with higher-than-average LBW rates are included in Table 7, Low Birth Weight Rate Per 10,000, 2011 - 2015.

Table 7
Low Birth Weight Rate per 10,000, 2011 – 2015

2010 Census Tract	Community Case Count	Statewide Rate Per 10,000	110% of the Statewide Rate	Community Rate Per 10,000
25025051200	1	216.8	238.5	250
25025050700	1.6	216.8	238.5	218.6
25025050101	2	216.8	238.5	280.1
25025050901	2.6	216.8	238.5	380.1
25025030300	1.4	216.8	238.5	343.1
25025060600	1	216.8	238.5	277.8
25025070101	1.8	216.8	238.5	293.2
25025020303	1.2	216.8	238.5	329.7
Total	12.6			

5.2 Other Potential Sources of Pollution

The Proponent consulted the MassDPH EJ Mapping tool to survey other potential sources of pollution within 1- mile of the Project site, summarized in Table 8 below.

Table 8
Facilities within One Mile of the Project Site

DPH EJ Screening Tool	Address / Location	Site Description
MassDEP Major Air and Waste Facilities	467-580 Chelsea St, East Boston	Sunoco Partners Marketing & Terminals LP
MassDEP Tier Classified 21E Sites	162R Chelsea Street, Boston	No Location Aid
	Border Street, Boston	Parking Lot Behind 276 Border Street
	69-71 Maverick Square, Boston	Commercial/Residential Property
	55 India Street, Boston	55 India Street
	312 Border Street, Boston	Mario Umana Academy
	276 Border Street, Boston	Wigglesworth Machinery Company

	161 Prescott Street, Boston	Logan Airport – Former Building 6
Tier II Facilities	30 Rowes Wharf, Boston	Jones Lang LaSalle Rowes Wharf
	1 Harborside Drive, East Boston	Logan International Airport
	8 13 th Street, Charlestown	Charlestown Marina
	94 Service Road, East Boston	Delta Air Lines, Inc. – BOS
	50 Tomahawk Drive, East Boston	Enterprise Rent-A-Car Company of Boston, LLC
	395 Maverick Street, Boston	AT&T – USID41848
	150 Tomahawk Drive, East Boston	Avis Budget Group, Inc. – CONRAC QTA #1 – Boston-Logan International Airport
	196 Prescott Street, East Boston	Bosfuel Corporation/Swissport
	152 Harborside Drive, East Boston	Boston ALSF
	256 Marginal Street, East Boston	Boston Harbor Shipyard & Marina
	160 Tomahawk Drive, Boston	Boston Logan Int'l Airport – DTAG – RAG – Dollar 26510-02
	156 Tomahawk Drive, Boston	Boston Logan Int'l Airport – RAC – 1700-11
	87 Commercial Wharf, Boston	Boston Yacht Haven
	256 Marginal Street, Boston	Harbor Fuels
	11 Fan Pier Blvd, Boston	Vertex Pharmaceuticals, Inc. Bldg 2
	200 High Street, Boston	Verizon Wireless Central Artery (129230)
	10 Airport Service Road, East Boston	United Airlines – Logan International Airport
	427 Commercial Street, Boston	US Coast Guard Base Boston
	40 Saratoga Street, East Boston	Verizon E Boston Co (MA577207)
	255 State Street, Boston	Verizon RSM (VZ- MA611263)

	300 First Avenue, Charlestown	Spaulding Rehabilitation Hospital
	240 Prescott Street, East Boston	Signature Flight Support BOS
MassDEP Sites with Activities and Use Limitations (AUL)	Logan Airport, Boston	American Airlines
	207A Porter Street, Boston	Hertz Rent A Car
	60 South Harborside Drive Logan, Boston	Butler Aviation Southeast
	Marginal Street, Boston	Pier 4 Development Project
	161 Prescott Street, Boston	Robie Properties/ADJ to Logan Airport
	328 North Street, Boston	Sumner Tunnel Ventilation Bldg
	Logan Airport, Boston	Butler Hanger FMR
	Logan Airport, Boston	Panam (FMR) Vandusen Tank Farm
	560-580 Commercial Street, Boston	Cross with Charter Street
	174 North Street, Boston	No Location Aid
	189 Paris Street, Boston	Salesian School
	153 Liverpool Street, Boston	Eastern Auto Center
	Prescott Street, Boston	Former Robie Air Park
	25 and 65 Lewis Street, Boston	Clippership Wharf
	104-106 Trenton Street, Boston	No Location Aid
	99 to 111 Sumner Street, Boston	Former Hodge Boiler Works
	256 Marginal Street, Boston	Water Line Repairs/Sewer Line Repairs
	Porter Street at Harborside Drive, Boston	Logan Airport, Southwest Service Area
	Marginal Street, Boston	Jeffries Point Lots 4438 to 4441
	80 Liverpool Street, Boston	Former American Architectural Iron Co
	153 Liverpool Street, Boston	Near the Northwest Corner of the Lot

	207 Porter and 167 Cottage Street, Boston	Porter and Cottage Street
	Logan International Airport, Boston	Former American Airlines – North Cargo
	Terminal B, Gate 7, Boston	Logan International Airport
	Logan Airport, Boston	Proposed UAL GSE Facility
	80 Liverpool Street, Boston	American Architectural Iron Co
MassDEP Groundwater Discharge Permits	None	N/A
MassDEP Public Water Suppliers	None	N/A
Wastewater Treatment Plants	Central Wharf, Boston	New England Aquarium Corp
	343 Commercial Street, Boston	Union Wharf Condominium Trust
	Fire Training Facility	Massport – Logan Airport
Under Ground Storage Tanks	Prescott Street, Boston	Prescott Street Pumping Station
	Harborside Drive, Boston	South Cargo Building 58
	85 Terminal Road, Boston	Hilton Boston Logan Airport
	52 Meridian Street, Boston	Shell Service Station 137748
	Snow Melter 2A Logan BM0190, Boston	North Cargo Apron
	Snow Melter 2A Logan BM0191, Boston	North Cargo Apron
	132 Harborside Drive, Boston	Cargo Building 58
	171 Service Road – Central HTG Plant, Boston	Massport Authority Logan
	Logan South Cargo Apron, Boston	South Cargo Ramp
	256 Marginal Street, Boston	Boston Harbor Shipyard and Marina
	American Airlines Hanger Bldg 16, Boston	American Airlines Inc.
	Harborside Drive, Boston	South Cargo Building 57

	Eighth Street, Boston	Flagship Wharf Reality Trust
	54 Northern Avenue, Boston	Fallon Properties LLC
	69 Logan-South Harborside, Boston	South Cargo Building 62
	Logan International Airport, Boston	West (South) Outfall
	110 Service Road, Boston	Logan Airport Cargo
	6 Harborside Drive, Boston	Ventilation Building #7
EPA Facilities	None	N/A
Road Infrastructure	SR-1A	Northbound & Southbound
	I-90	Eastbound & Westbound
	I-93	Northbound & Southbound
	SR-3	Northbound & Southbound
	US-1	Northbound & Southbound
	SR-3A	Northbound & Southbound
MBTA Bus and Rapid Transit	Stop ID's: 5733, 5735, 5740, 55867, 5742, 226, 236	MBTA Bus Shelters
	Bennington St @ Brooks St	MBTA Bus Stops
	Meridian St @ Lexington St	
	Bennington St @ Putnam St	
	Lexington St @ Marion St	
	Bennington St @ Prescott St	
	Lexington St @ Brooks St	
	Meridian St @ Eutaw St	
	Sumner St @ Webster St	
	Sumner St @ Orleans St	
	Maverick St @ Cottage St	
	Atlantic Ave @ State St	
	Atlantic Ave @ Milk St	

	Jeffries St @ Maverick St	
	Sumner St @ Lamson St	
	Commercial St @ Battery St	
	Opp 345 Maverick St	
	Commercial St. @ Hanover St.	
	Sumner St @ Cottage St	
	Maverick St @ Lawson St	
	Atlantic Ave @ Commercial Wharf	
	Terminal B Stop 1 - Arrivals Level	
	Atlantic Ave @ Commercial Wharf	
	Commercial St @ Fleet St	
	Atlantic Ave @ Seaport Blvd.	
	Atlantic Ave @ Rowes Wharf	
	Terminal A	
	Jeffries St @ Webster St	
	Meridian St @ Havre St	
	Courthouse - Inbound	
	Northern Ave @ Federal Courthouse	
	Maverick St @ Frankfort St	
	Maverick Station	
	Terminal E - Arrivals Level	
	Bennington St @ Marion St	
	Border St opp Liberty Plaza Shopping Center	
	Meridian St @ Saratoga St	
	Meridian St @ Havre St	

	Meridian St @ Liverpool St	
	Airport Station Busway	
	Bennington St @ Porter St	
	Airport Terminals A, B2, E	
	Courthouse	MBTA Rapid Transit Stops
	Aquarium	
	Maverick	
	Central Wharf near Milk St, Boston	
	Pier 4, Boston	Ferry Stops
	Fan Pier Marina near Institute of Contemporary Art, Boston	
	65 Lewis St, Boston	
	Harborside Dr, East Boston	
	Long Wharf near Christopher Columbus Park, Boston	
	Long Wharf near Old Atlantic Ave, Boston	
	60 Rowes Wharf, Boston	
Other Transportation Infrastructure	Anthony's Pier 4	Water Taxis Stops
	Barking Crab Restaurant	
	Burroughs Wharf	
	Shipyards Quarters Marina	
	Boston Boat Yard & Marina	
	Logan Airport/Hyatt Harborside	
	Fan Pier U.S. Courthouse	
	Long Wharf/Marriott	
	Lewis Wharf	
	Rowe's Wharf	

Regional Transit Agencies (RTA)	Terminals A, B, E, Airport Station-MBTA Blue Line, Water Shuttle, Logan Airport Rental Car Center/Economy Parking	Massport RTA's
Energy Generation and Supply	None	N/A

6. Mitigation Measures

Table 9 presents mitigation measures to address both permanent and construction-related, temporary impacts. The conceptual measures identified in Table 9 serves as a framework for Project mitigation. For the cost of mitigation, the mitigation measures described below are included in the overall Project costs.

More specific, detailed mitigation measures would be developed as the Project design advances and would be reviewed by the appropriate regulatory agencies as part of Project permit applications. Temporary, short-term impacts from construction activities would be mitigated to the extent practicable. Construction-period mitigation requirements would be incorporated into the final design plans and specifications that would serve as the basis for construction contract documents and specifications.

Table 9 Summary of Proposed Mitigation Measures

Impact Category	Responsible Party	Estimated Cost	Timing	State Agency Action
Overall Project Benefits				
The Project will enhance the coastal resiliency of the shoreline by preventing erosion and providing more suitable protection from storm surge, flooding, and sea level rise.	Proponent	Included in Project Costs	Design / Construction	None
The Project aims to create a healthier, more sustainable coastal environment that protects vital coastal resources and infrastructure.	Proponent	Included in Project Costs	Design / Construction	None
The proposed stone revetment will protect the adjacent newly constructed Piers Park II, which provides flood mitigation for East Boston and green space for the community to enjoy on the waterfront.	Proponent	Included in Project Costs	Design / Construction	None
Overall, the Project aims to transform the area into a thriving coastal environment that benefits both the natural ecosystem and the community.	Proponent	Included in Project Costs	Design / Construction	None
Environmental Justice				
Project information will be posted in community spaces with the description and location of the Project. Also included in the public postings will be contact information where more in-depth Project details can be obtained. The public will also have the opportunity to participate in public hearings and provide comments on the NOI submission as the Project advances to the Boston Conservation Commission and other regulatory agencies during the permitting process.	Proponent	Included in Project Costs	Prior to / During Construction	None
The Project will continue community outreach to inform the public about the progress of the Project and continually accept comments. This outreach will be in the form of requested materials, public postings, and upon request.	Proponent	Included in Project Costs	Prior to / During Construction	None
The Proponent will distribute the EENF and EIR and offer translations upon request and will continue coordination with CBOs, municipal agencies, and members of the EJ populations residing near the Project.	Proponent	Included in Project Costs	Prior to Construction	None
Stormwater Management				
The stone revetment is designed to be impervious, ensuring that it will not impact the existing stormwater management system on the upland portion of the site within Piers Park II.	Proponent	Included in Project Costs	Design / Construction	None
The Project will incorporate BMPs, such as a silt curtain and erosion control measures to manage and reduce sedimentation during construction.	Proponent	Included in Project Costs	Design / Construction	None
The Project will include a plan for regular monitoring and maintenance to ensure ongoing compliance and effectiveness.	Proponent	Included in Project Costs	Design / Construction	None

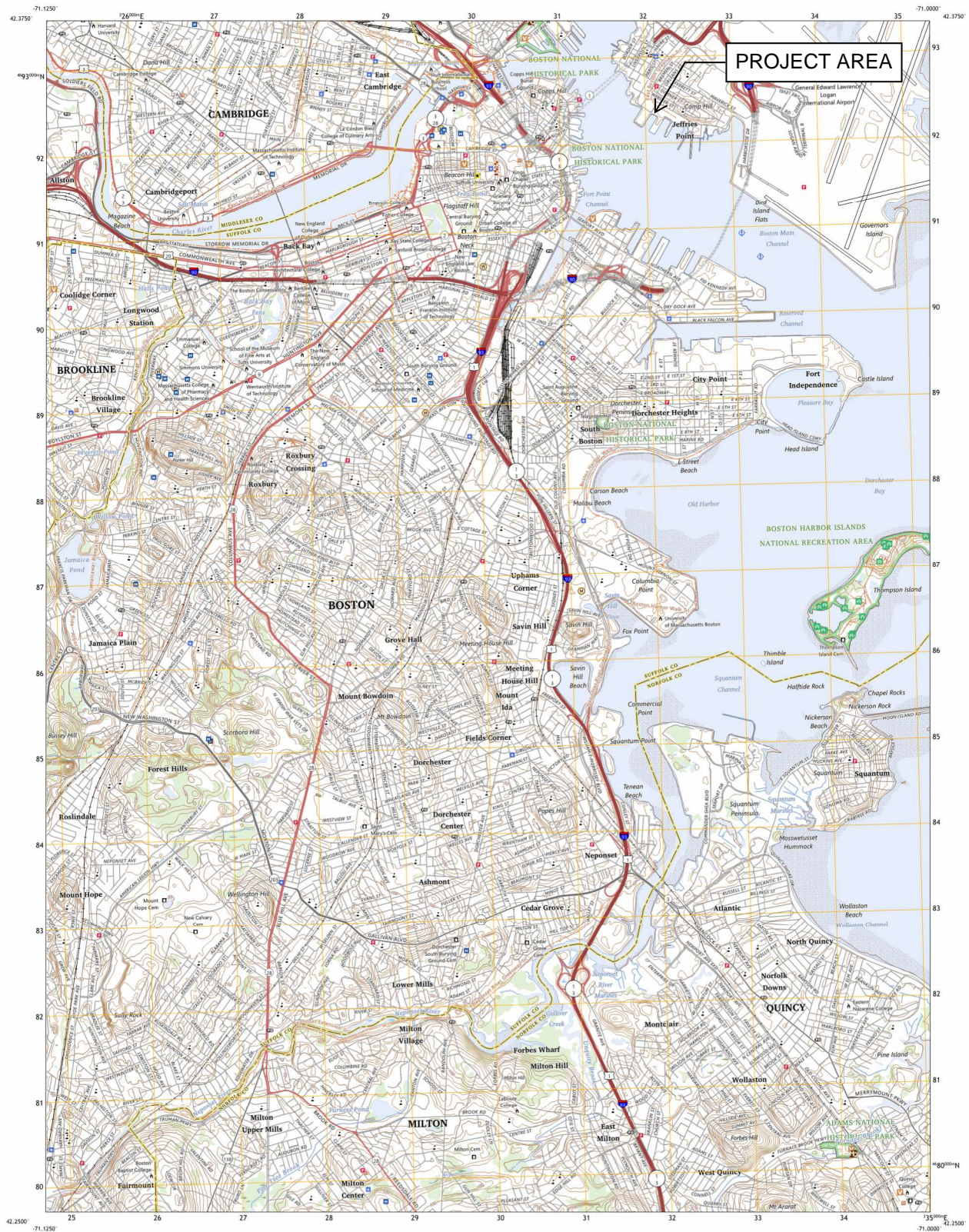
Table 9 Summary of Proposed Mitigation Measures (continued)

Impact Category	Responsible Party	Estimated Cost	Timing	State Agency Action
Traffic & Transportation				
Work period time restrictions will be implemented to conform with the City bylaws as well as reduce construction equipment traveling during peak hours. Traffic control devices will be used when deliveries are anticipated.	Proponent	Included in Project Costs	During Construction	None
Air Quality/Greenhouse Gas Emissions				
"No Idling" signs will be posted on site. This will reduce emissions, reduce noise, and increase site safety.	Proponent	Included in Project Costs	During Construction	None
All construction equipment will be maintained in compliance with all applicable state and federal emission regulations. Equipment will not be idled without an operator in the cab. No refueling of construction equipment shall be permitted in the immediate vicinity of any coastal resource areas. Equipment will be used in accordance with 310 CMR 7.11 and there shall be no unnecessary operation of motor vehicles while said vehicle is stopped for a foreseeable period of time in excess of five (5) minutes.	Proponent	Included in Project Costs	During Construction	None
Climate Change Adaptation and Resiliency				
Replacing a failing marine structure with a newly constructed stone revetment will create a more resilient shoreline and assist in combating storm surge and sea level rise, protecting local adjacent areas (specifically Piers Park II) that are subject to flooding.	Proponent	Included in Project Costs	Upon Completion / Life Span of Structure	None
Best practices and resilience design standards obtained from the RMA Tool were incorporated into the design of flood resilience measures to account for future sea level rise for the Project.	Proponent	Included in Project Costs	Design / Prior to Construction	None
Construction Period				
"No Idling" signs will be posted on site. This will reduce emissions, reduce noise, and increase site safety.	General Contractor	Included in Project Costs	During Construction	None
The contractor will manage the disposal of excess materials according to local, state, and federal guidelines. Procedures will allow for necessary segregation, reprocessing, reuse, and recycling of materials. Waste materials discovered during construction (e.g., metal, asphalt, brick, and concrete) shall be disposed, recycled, and/or otherwise handled in accordance with the Solid Waste Regulations including 310 CMR 19.017.	General Contractor	Included in Project Costs	During Construction	None

Table 9 Summary of Proposed Mitigation Measures (continued)

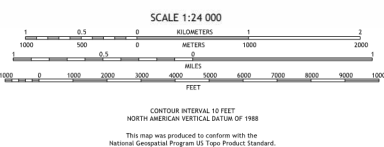
Impact Category	Responsible Party	Estimated Cost	Timing	State Agency Action
Construction Period (continued)				
Work period time restrictions will be implemented to conform with the City bylaws as well as reduce construction equipment traveling during peak hours. Traffic control devices will be used when deliveries are anticipated.	General Contractor	Included in Project Costs	During Construction	None
Construction methods that ensure public safety and protect the surrounding area will be employed. The construction area will be sectioned off to avoid unauthorized access to the work zone.	General Contractor	Included in Project Costs	During Construction	None
Construction equipment will only be operated within the City's allowable hours.	General Contractor	Included in Project Costs	During Construction	None
An LSP will be employed or engaged to manage, supervise, or perform the necessary response actions at the site. Oversight will be conducted under the provisions of Chapter 21E (and, potentially, M.G.L. c. 21C) and all other applicable federal (including the Environmental Protection Agencies Toxic Substance Control Act - TSCA), state, and local laws, regulations, and bylaws.	General Contractor	Included in Project Costs	During Construction	None
A spill contingency plan addressing prevention and management of potential releases of oil and/or hazardous materials will be presented to workers at the site and enforced. The plan should include but not be limited to refueling machinery, storage of fuels, and potential on-site activity releases.	General Contractor	Included in Project Costs	During Construction	None
No refueling of construction equipment shall be permitted in the immediate vicinity of any coastal resource areas. The equipment used will be in accordance with 310 CMR 7.11.	General Contractor	Included in Project Costs	During Construction	None
Wetlands and Wetland Buffer Zones				
Project components are located within resource areas. The Proponent will file a Notice of Intent for the entire Project. Work on this Project will be done in accordance with the Order of Conditions.	Proponent	Included in Project Costs	Design / Prior to Construction	None
Historic/Cultural and Archaeological Resources				
The Proponent will coordinate with the Massachusetts Historical Commission in order to ensure impacts to historical and cultural resources are avoided.	Proponent	Included in Project Costs	Design / Prior to Construction	None

Attachment B
USGS Locus Map



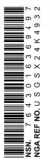
Produced by the United States Geological Survey
North American Datum of 1983 (NAD83)
World Geodetic System of 1984 (WGS84) Projection and
1 000-meter grid/Universal Transverse Mercator, Zone 19T
This map is not a legal document. Boundaries may be
generalized for this map scale. Private lands within government
reservations may not be shown. Obtain permission before
entering private lands.

Imagery.....NAP, October 2018 - October 2018
Roads.....U.S. Census Bureau, 2018
Names.....U.S. Census Bureau, 2018
Hydrography.....National Hydrography Dataset, 2005
Contours.....National Elevation Dataset, 2022
Boundaries.....Multiple sources; see metadata file 2020 - 2022
Wetlands.....FWS National Wetlands Inventory 1992 - 2011



1	2	3
4	5	6
7	8	9

ADJACENT QUADRANGLES



Attachment C
Site Photographs



View of Existing Seawall from West looking East



View of Existing Seawall from East looking West



View of Gravel Area over Existing Seawall, Facing Northwest

Attachment D
FEMA (FIRMette) Map

National Flood Hazard Layer FIRMMette



71°2'35"W 42°22'7"N



0 250 500 1,000 1,500 2,000 Feet

1:6,000

71°1'57"W 42°21'40"N

Basemap Imagery Source: USGS National Map 2023

Legend

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

SPECIAL FLOOD HAZARD AREAS		Without Base Flood Elevation (BFE) Zone A, V, A99
		With BFE or Depth Zone AE, AO, AH, VE, AR
		Regulatory Floodway
OTHER AREAS OF FLOOD HAZARD		0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile Zone X
		Future Conditions 1% Annual Chance Flood Hazard Zone X
		Area with Reduced Flood Risk due to Levee. See Notes. Zone X
		Area with Flood Risk due to Levee Zone D
OTHER AREAS		NO SCREEN Area of Minimal Flood Hazard Zone X
		Effective LOMRs
GENERAL STRUCTURES		Area of Undetermined Flood Hazard Zone D
		Channel, Culvert, or Storm Sewer
OTHER FEATURES		Levee, Dike, or Floodwall
		Cross Sections with 1% Annual Chance Water Surface Elevation
MAP PANELS		Coastal Transect
		Base Flood Elevation Line (BFE)
		Limit of Study
		Jurisdiction Boundary
		Coastal Transect Baseline
		Profile Baseline
		Hydrographic Feature
		Digital Data Available
		No Digital Data Available
		Unmapped



The pin displayed on the map is an approximate point selected by the user and does not represent an authoritative property location.

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

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 3/6/2025 at 3:51 PM and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

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

Attachment E
MassGIS Layers

MassGIS Layers



MassHistoric Commission Inventory (Points)

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

MassHistoric Commission Inventory (Areas)

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

Openspace Article 97



AULs



Diadromous Fish Migratory Habitat

- No
- Yes

Areas of Critical Environmental Concern ACECs



NHESP Priority Habitats of Rare Species

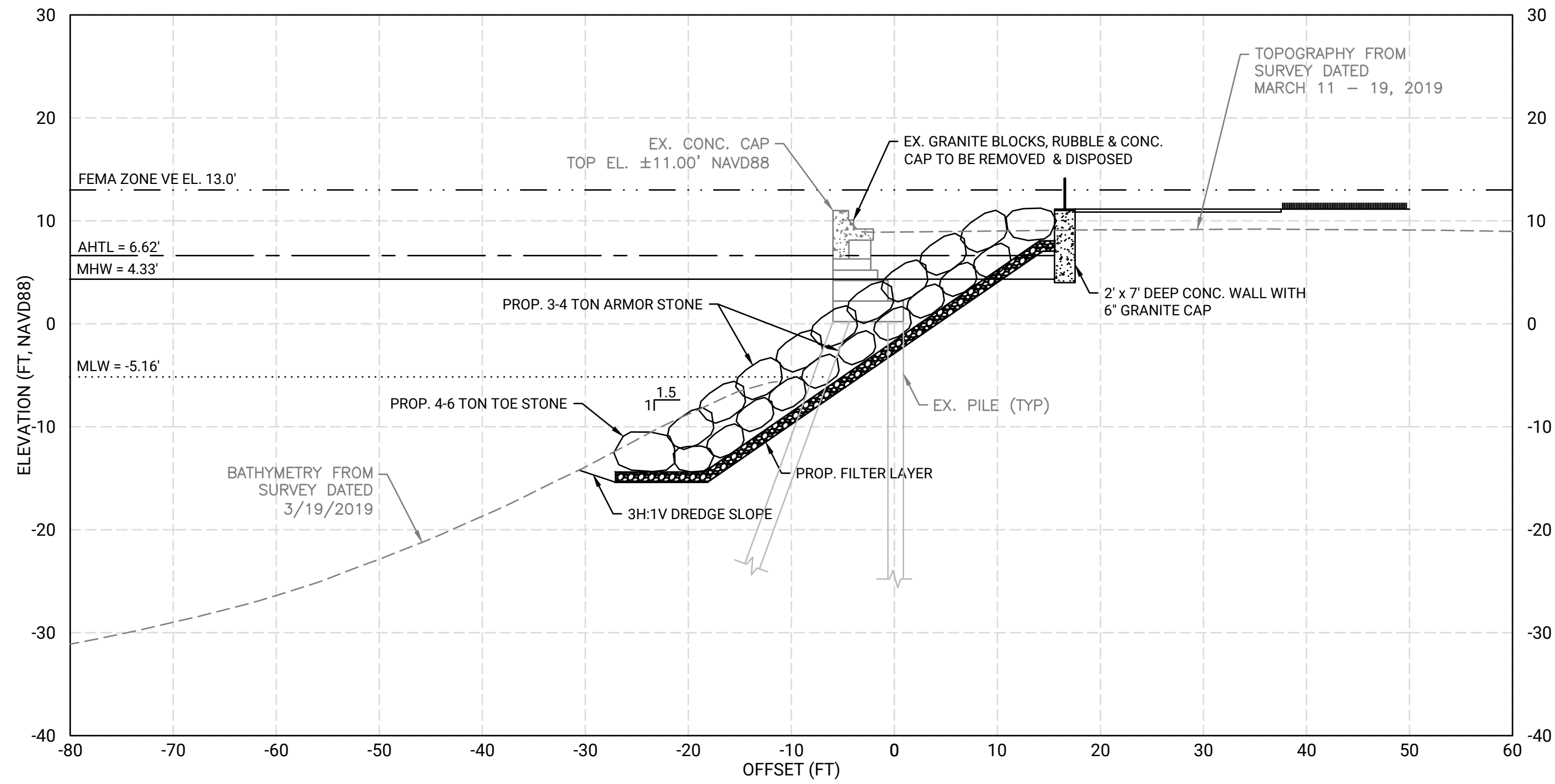


NHESP Estimated Habitats of Rare Wildlife

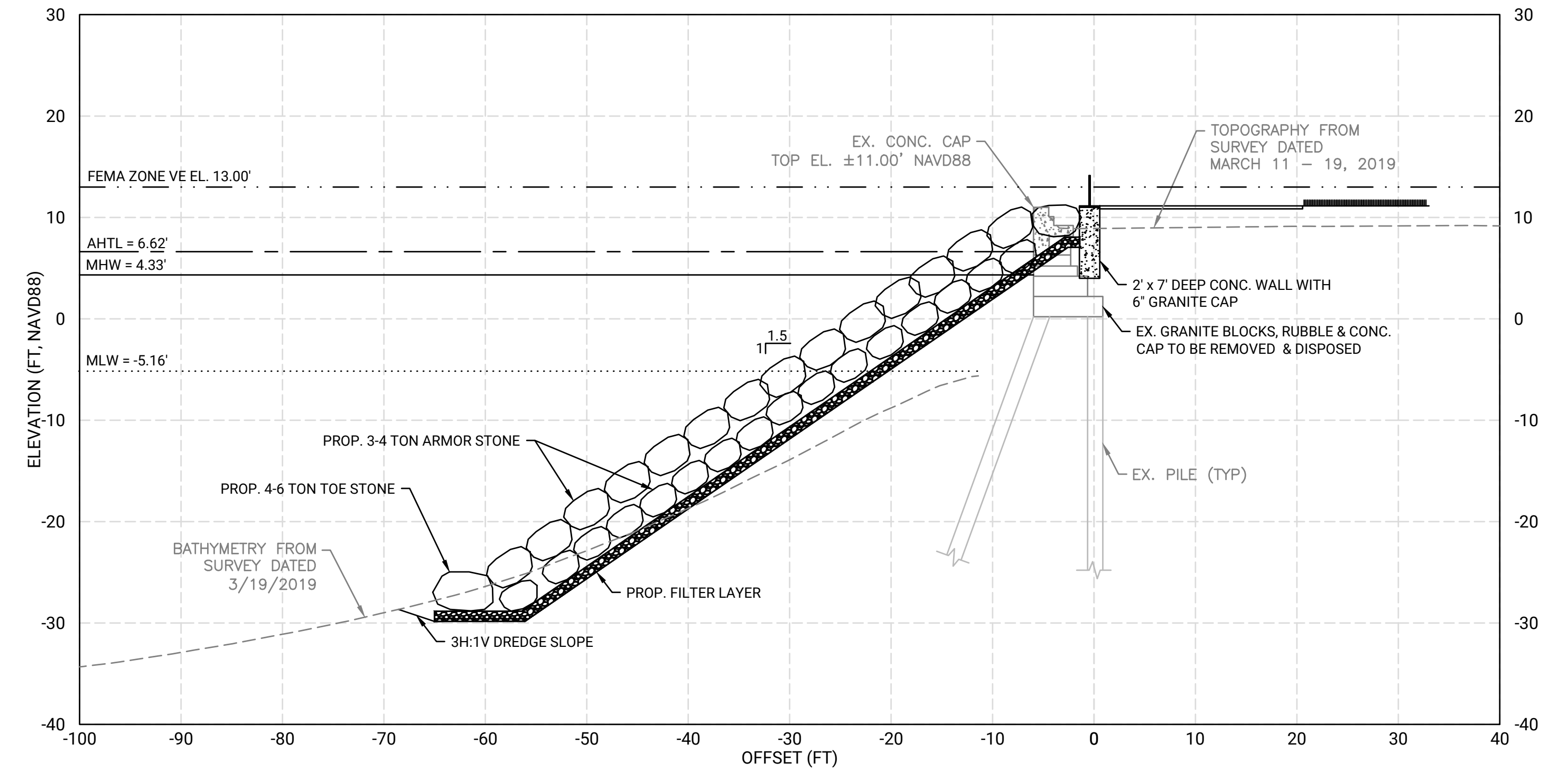
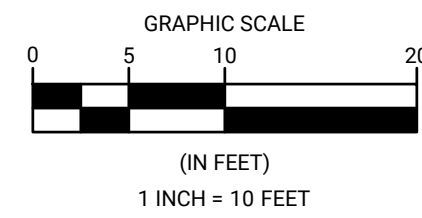


Property Tax Parcels

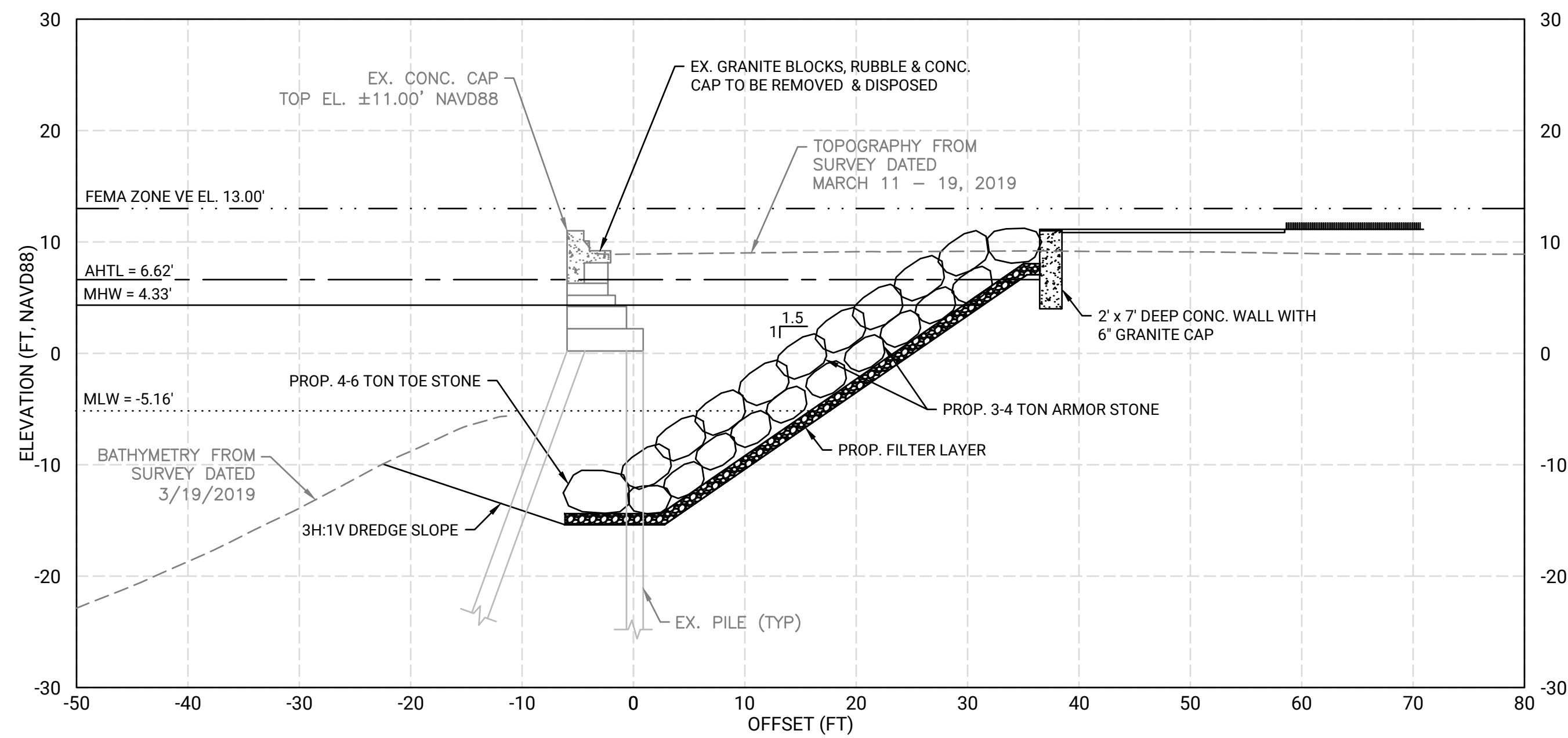
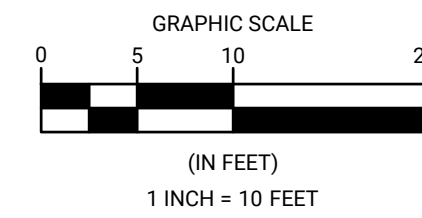
Attachment F
Alternatives Analysis Cross Sections



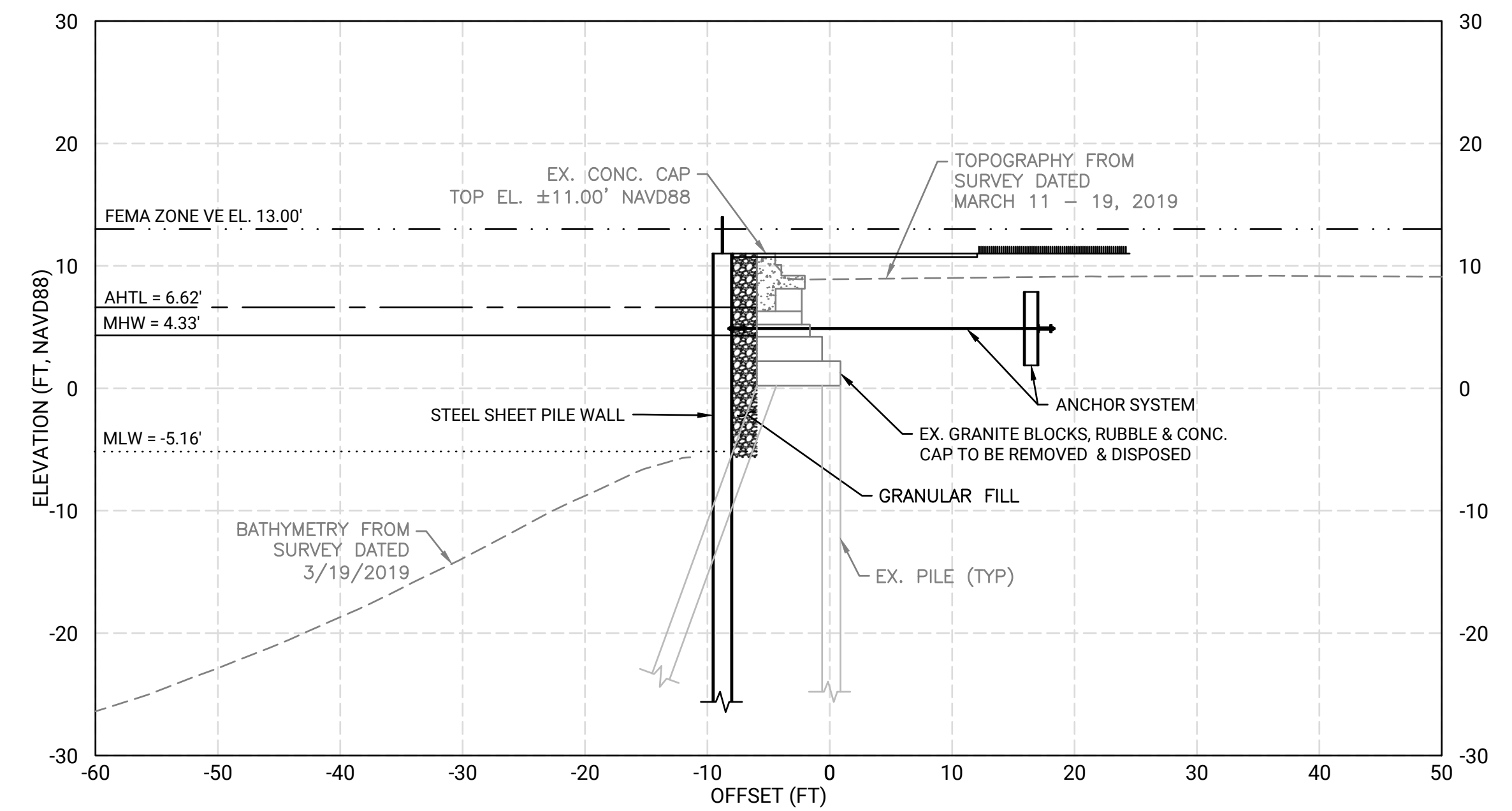
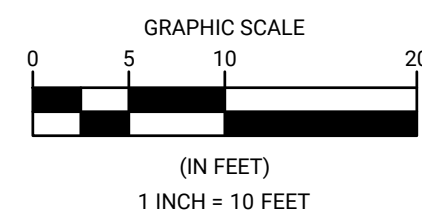
SECTION C: MIDDLE OF REVETMENT SLOPE AT EXISTING SEAWALL LOCATION - CHOSEN ALTERNATIVE



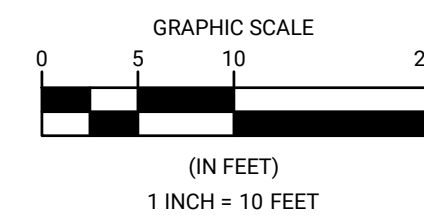
SECTION C: REVETMENT CREST AT EXISTING SEAWALL LOCATION - SEAWARD SHIFT



SECTION C: REVETMENT TOE AT EXISTING SEAWALL LOCATION - LANDWARD SHIFT



SECTION C: ANCHORED STEEL SHEET PILE WALL BULKHEAD



Attachment G
Spill Records & Incident Location Plan

Spill and Discharge Location Map

National Response Center (NRC) & MA DEP Reportable Spills & Releases
In Vicinity of Piers Park II, 95 Marginal St, East Boston, MA 02128

Legend

 MA DEP Spill Location

 NRC Spill Location

Project Site



NATIONAL RESPONSE CENTER (NRC) USCG SPILL HISTORY IN THE VICINITY OF PIERS PARK II, BOSTON HARBOR, 95 MARGINAL ST, EAST BOSTON, MA											
INCIDENT MAP ID #	SEQNOS	DESCRIPTION OF INCIDENT	TYPE OF INCIDENT	INCIDENT CAUSE	INCIDENT DATE & TIME	INCIDENT DTG	INCIDENT LOCATION	LOCATION ADDRESS	LOCATION NEAREST CITY	LOCATION STATE	LOCATION COUNTY
1	1415807	CALLER REPORTED THAT A CRANE WAS BEING USED TO SWING AROUND A BARGE, WHEN AN EQUIPMENT FAILURE CAUSED THE BARGE TO FALL OUT OF THE CRANE AND THE BARGE LANDED ON THE DOCK AND ONTO ANOTHER VESSEL. A COUPLE GALLONS OF UNKNOWN OIL DISCHARGED FROM THE IMPACTED PLEASURE CRAFT ONTO THE DOCK AND INTO BOSTON HARBOR. NO INJURIES HAVE BEEN REPORTED	VESSEL	EQUIPMENT FAILURE	11/7/2024	OCCURRED	B DOCK	256 MARGINAL ST	EAST BOSTON	MA	SUFFOLK
2	1338792	THE CALLER STATED THAT HYDRAULIC OIL RELEASED FROM A PIECE OF EQUIPMENT. THE CAUSE OF THE RELEASE IS UNKNOWN AND THE AMOUNT OF MATERIAL THAT RELEASED IS ALSO UNKNOWN. THE MATERIAL RELEASED ONTO THE ROADWAY AS A RESULT.	MOBILE	UNKNOWN	6/14/2022	OCCURRED		418 SUMNER STREET	BOSTON	MA	SUFFOLK
3	1339616	CALLER REPORTED THE RELEASE OF UNKNOWN TYPE AND QUANTITY OF OIL FROM A TOW VESSEL OPERATING IN THE AREA, AND INTO THE BOSTON INNER HARBOR. THE RELEASE WAS CAUSED BY A HEAVY RAIN EVENT WHERE THE OIL CAME FROM THE DECK OF THE VESSEL, AND FLOWED TO THE WATERWAY. THE RELEASE CREATED A LIGHT SILVERY SHEEN BUT NATURALLY DISSIPATED IN THE WATERWAY.	VESSEL	NATURAL PHENOMENON	6/23/2022	DISCOVERED	TOW VESSEL OPERATING AT THE WATERWAY AREA	BOSTON INNER HARBOR	BOSTON	MA	SUFFOLK
4	1340271	CALLER REPORTS THE DISCOVERY OF A SHEEN FROM AN UNKNOWN SOURCE ON BOSTON HARBOR AT THE INCIDENT LOCATION.	UNKNOWN SHEEN	UNKNOWN	6/30/2022	DISCOVERED	UNKNOWN SHEEN INCIDENT - HARBOR FUELS - BOSTON HARBOR	256 MARGINAL STREET	BOSTON	MA	SUFFOLK
5	1355909	THE CALLER STATED THAT A VESSEL SANK DUE TO LOCAL WEATHER CONDITIONS, WHICH CAUSED A RELEASE OF AN UNKNOWN AMOUNT OF AN UNKNOWN OIL INTO THE BOSTON HARBOR.	VESSEL	VESSEL SINKING	12/25/2022	OCCURRED		1 HARBORSIDE DR	BOSTON	MA	SUFFOLK
6	1307395	CALLER IS REPORTING THE DISCOVERY OF A MYSTERY SHEEN FROM AN UNKNOWN SOURCE IN BOSTON HARBOR. CALLER STATES THE SHEEN WAS ACCOMPANIED BY A STRONG DIESEL ODOR. ADDITIONALLY, IT WAS NOTED THAT A SIMILAR INSTANCE HAS OCCURRED RECENTLY.	UNKNOWN SHEEN	UNKNOWN	6/10/2021	OCCURRED	UNKNOWN SHEEN INCIDENT - PIER 1 EAST	256 MARGINAL STREET	EAST BOSTON	MA	SUFFOLK
7	1307550	CALLER REPORTED AN UNKNOWN SHEEN FROM AN UNKNOWN SOURCE.	UNKNOWN SHEEN	UNKNOWN	6/11/2021	DISCOVERED	UNKNOWN SHEEN INCIDENT	256 MARGINAL STREET	BOSTON	MA	SUFFOLK
8	1383090	CALLER STATED A VESSEL SANK AT THE MARINA DUE TO UNKNOWN CAUSES. THERE IS A RELEASE OF UNKNOWN OIL IN THE BOSTON HARBOR. NO INJURIES WERE REPORTED.	VESSEL	VESSEL SINKING	10/31/2023	OCCURRED	EAST BOSTON SHIPYARD MARINA	256 MARGINAL ST	EAST BOSTON	MA	SUFFOLK
9	1338751	CALLER IS REPORTING A SHEEN ON THE WATER ALONG THE DOCKS. THE SOURCE IS UNKNOWN.	UNKNOWN SHEEN	UNKNOWN	6/14/2022	DISCOVERED	UNKNOWN SHEEN INCIDENT	256 MARGINAL ST	EAST BOSTON	MA	SUFFOLK
10	1356221	CALLER STATED HIS VESSEL SANK AT THE DOCK IN A SLIP DUE TO A STORM. THERE WAS A RELEASE OF DIESEL FUEL INTO THE BOSTON HARBOR.	VESSEL	NATURAL PHENOMENON	12/26/2022	DISCOVERED	E. BOSTON SHIPYARD MARINA	256 MARGINAL STREET	E. BOSTON	MA	SUFFOLK
11	1302746	THE CALLER STATES THEY DISCOVERED A MYSTERY SHEEN FROM AN UNKNOWN SOURCE ON THE BOSTON HARBOR.	UNKNOWN SHEEN	UNKNOWN	4/15/2021	DISCOVERED	UNKNOWN SHEEN INCIDENT	256 MARGINAL ST	EAST BOSTON	MA	SUFFOLK

NATIONAL RESPONSE CENTER (NRC) USCG SPILL HISTORY IN THE VICINITY OF PIERS PARK II, BOSTON HARBOR, 95 MARGINAL ST, EAST BOSTON, MA											
INCIDENT MAP ID #	SEQNOS	DESCRIPTION OF INCIDENT	TYPE OF INCIDENT	INCIDENT CAUSE	INCIDENT DATE & TIME	INCIDENT DTG	INCIDENT LOCATION	LOCATION ADDRESS	LOCATION NEAREST CITY	LOCATION STATE	LOCATION COUNTY
12	1314853	CALLER IS REPORTING THE RELEASE OF 18 PARTS PER MILLION OF HYDROGEN CYANIDE FROM SEVERAL BATTERIES IN THE BASEMENT AT THE ADDRESS LOCATION. THE RELEASED MATERIAL WENT INTO THE AIR AND ATMOSPHERE. THE CAUSE OF THE RELEASE IS DUE TO EXTREME HEAT.	FIXED	OTHER	8/26/2021	DISCOVERED		239 SUMNER STREET	EAST BOSTON	MA	SUFFOLK
13	1318066	CALLER IS REPORTING A VESSEL THAT IS SINKING AT THE ADDRESS LOCATION. THE VESSEL IS RELEASING AN UNKNOWN AMOUNT OF DIESEL FUEL INTO THE BOSTON HARBOR.	VESSEL	VESSEL SINKING	9/28/2021	DISCOVERED		256 MARGINAL STREET	BOSTON	MA	SUFFOLK
14	1320297	THE CALLER DISCOVERED AN UNKNOWN SHEEN FROM AN UNKNOWN SOURCE IN THE BOSTON HARBOR.	UNKNOWN SHEEN	UNKNOWN	10/24/2021	DISCOVERED	UNKNOWN SHEEN INCIDENT - BOSTON HARBOR	565 SUMNER STREET	BOSTON	MA	SUFFOLK
15	1325095	CALLER IS REPORTING THE RELEASE OF AN UNKNOWN AMOUNT OF DIESEL FUEL FROM A VESSEL. THE RELEASED MATERIAL WENT INTO THE BOSTON HARBOR. THE CAUSE OF THE RELEASE IS DUE TO OPERATOR ERROR.	VESSEL	OPERATOR ERROR	12/22/2021	OCCURRED		256 MARGINAL ST	EAST BOSTON	MA	SUFFOLK
16	1320391	CALLER IS REPORTING AN UNKNOWN SHEEN FROM AN UNKNOWN SOURCE IN JEFFRIES COVE.	UNKNOWN SHEEN	UNKNOWN	10/25/2021	DISCOVERED	INTERSECTION OF TAMAHAWK DR & MARGINAL ST	AT JEFFRIES POINT YACHT	E. BOSTON	MA	SUFFOLK
17	1283713	CALLER IS REPORTING AN UNKNOWN SHEEN FROM AN UNKNOWN SOURCE IN THE BOSTON HARBOR AT THE INCIDENT LOCATION.	UNKNOWN SHEEN	UNKNOWN	8/5/2020	DISCOVERED	UNKNOWN SHEEN INCIDENT	256 MARGINAL ST	EAST BOSTON	MA	SUFFOLK
18	1285364	CALLER IS REPORTING A WHITE AND SILVERY SUBSTANCE IN THE BOSTON HARBOR FROM AN UNKNOWN SOURCE AT THE INCIDENT LOCATION.	UNKNOWN SHEEN	UNKNOWN	8/24/2020	DISCOVERED	BOSTON HARBOR SHIPYARD & MARINA	264 MARGINAL ST	BOSTON	MA	SUFFOLK
19	1285528	CALLER IS REPORTING AN UNKNOWN SHEEN FROM AN UNKNOWN SOURCE IN THE BOSTON HARBOR DUE TO UNKNOWN CAUSES.	UNKNOWN SHEEN	UNKNOWN	8/25/2020	DISCOVERED	SHIP YARD AND MARINA	256 MARGINAL STREET E	BOSTON	MA	SUFFOLK
20	1286155	CALLER IS REPORTING THE RELEASE OF 30 GALLONS OF GASOLINE FROM A VESSEL DUE TO UNKNOWN REASON. THE VESSEL CURRENTLY HAS 30 GALLONS STILL ON BOARD AND THE RELEASE IS ONGOING. VESSELS ON EITHER SIDE OF THE LEAKING VESSEL HAVE BEEN EVACUATED.	VESSEL	UNKNOWN	8/31/2020	DISCOVERED		256 MARGINAL ST	EAST BOSTON	MA	SUFFOLK
21	1286156	CALLER IS REPORTING THAT A 35" PLEASURE CRAFT TIED TO A DOCK IS LEAKING FUEL INTO BOSTON HARBOR, DUE TO UNKNOWN CAUSES AT THIS TIME.	VESSEL	UNKNOWN	8/31/2020	OCCURRED	PIER 8	256 MARGINAL STREET	E. BOSTON	MA	SUFFOLK
22	1286416	CALLER IS REPORTING AN UNKNOWN SHEEN FROM AN UNKNOWN SOURCE ON BOSTON HARBOR.	UNKNOWN SHEEN	UNKNOWN	9/3/2020	DISCOVERED	UNKNOWN SHEEN INCIDENT	256 MARGINAL ST	EAST BOSTON	MA	SUFFOLK
23	1251246	CALLER REPORTED DIESEL DISCHARGED INTO THE BOSTON HARBOR AT A MARINE FUELING FACILITY DUE TO A BROKEN VALVE.	FIXED	EQUIPMENT FAILURE	7/7/2019	OCCURRED		256 MARGINAL ST	EAST BOSTON	MA	SUFFOLK
24	1264758	CALLER IS REPORTING THAT A VESSEL (WATER TAXI) WAS OVERFILLED RESULTING IN THE DISCHARGE OF DIESEL FUEL INTO BOSTON HARBOR.	VESSEL	OPERATOR ERROR	11/24/2019	OCCURRED	BOSTON HARBOR	256 MARGINAL ST	EAST BOSTON	MA	SUFFOLK

NATIONAL RESPONSE CENTER (NRC) USCG SPILL HISTORY IN THE VICINITY OF PIERS PARK II, BOSTON HARBOR, 95 MARGINAL ST, EAST BOSTON, MA											
INCIDENT MAP ID #	SEQNOS	DESCRIPTION OF INCIDENT	TYPE OF INCIDENT	INCIDENT CAUSE	INCIDENT DATE & TIME	INCIDENT DTG	INCIDENT LOCATION	LOCATION ADDRESS	LOCATION NEAREST CITY	LOCATION STATE	LOCATION COUNTY
25	1219832	THE REPORTING SOURCE STATED THAT OIL HAS BEEN LEAKING FROM A SMALL DECK BARGE SINCE THURSDAY (26JUL18) AND PRODUCING A SHEEN ON THE WATER. THE RP ALSO STATED THAT THERE HAS BEEN A LOBSTER KILL AS A RESULT OF THE POLLUTION. THE VESSEL HAS THREE (03) 300 GALLON PLASTIC CONTAINERS ONBOARD THAT CONTAIN OIL, THAT HAS POSSIBLY OVERFILLED DURING RAIN EVENTS.	VESSEL	UNKNOWN	7/29/2018	OCCURRED	PIER 5, NEXT TO THE OCEAN KING TUG BOAT	256 MARGINAL ST	EAST BOSTON	MA	SUFFOLK
26	1222957	THE CALLER STATES THAT WHILE ON A CHARTER TRIP, THE SAIL BOAT CAPSIZED DUE TO CENTERBOARD ON THE VESSEL NOT FULLY DEPLOYING. WHEN THE VESSEL WAS TOWED IN, A SHEEN WAS NOTICED COMING FROM THE OUTBOARD ENGINE.	VESSEL	EQUIPMENT FAILURE	8/26/2018	OCCURRED	BOSTON HARBOR SHIPYARD AND MARINA	256 MARGINAL ST	EAST BOSTON	MA	SUFFOLK
27	1224372	CALLER STATES THEY RECEIVED A REPORT OF A DISCHARGE OF AN UNKNOWN OIL AT A MARINA ON BOSTON HARBOR. THE INCIDENT LOCATION HAS SHEEN AND OIL PRODUCT IN VARIOUS STAGES OF BREAKING DOWN. THE SOURCE AND CAUSE ARE UNKNOWN.	UNKNOWN SHEEN	UNKNOWN	9/12/2018	OCCURRED	BOSTON SHIPYARD MARINA - F DOCK	256 MARGINAL STREET	EAST BOSTON	MA	SUFFOLK
28	1227734	CALLER STATED THAT THEY RECEIVED AN ANONYMOUS REPORT OF AN UNKNOWN SHEEN FROM AN UNKNOWN SOURCE BEING OBSERVED IN THE BOSTON HARBOR.	UNKNOWN SHEEN	UNKNOWN	10/17/2018	DISCOVERED	PIER 5	256 MARGINAL DRIVE	BOSTON	MA	SUFFOLK
29	1230907	CALLER REPORTS THAT A TUG OVERFLOWED THEIR TANK WHILE FUELING. THE MATERIAL DISCHARGED INTO BOSTON HARBOR.	VESSEL	OPERATOR ERROR	11/20/2018	OCCURRED		256 MARGINAL ST	E BOSTON	MA	SUFFOLK
30	1163793	A MYSTERY SHEEN WAS OBSERVED AT THE EAST BOSTON HARBOR, FROM AN UNKNOWN SOURCE.	UNKNOWN SHEEN	UNKNOWN	11/10/2016	DISCOVERED	EAST BOSTON SHIPYARD MARINA	256 MARGINAL	EAST BOSTON	MA	SUFFOLK
31	1126703	CALLER STATED THERE IS AN UNKNOWN SHEEN FROM AN UNKNOWN SOURCE IN THE VICINITY OF THE BOSTON HARBOR SHIP YARD.	UNKNOWN SHEEN	UNKNOWN	8/26/2015	DISCOVERED	UNKNOWN SHEEN INCIDENT	256 MARGINAL STREET	BOSTON	MA	SUFFOLK
32	1135058	THE CALLER IS REPORTING AN UNKNOWN SHEEN IN JEFFERIES COVE, SOURCE IS UNKNOWN. THIS IS A THIRD PARTY REPORT.	UNKNOWN SHEEN	UNKNOWN	12/5/2015	DISCOVERED	UNKNOWN SHEEN INCIDENT	JEFFERIES COVE- NEAR LOGAN AIRPORT	EAST BOSTON	MA	SUFFOLK
33	1080451	CALLER STATED THAT WHILE AN INDIVIDUAL WAS FUELING THERE VESSEL THEY ACCIDENTALLY OVERFILLED THE VESSEL CAUSING A DISCHARGE OF DIESEL FUEL THAT WENT INTO THE BOSTON HARBOR.	VESSEL	OPERATOR ERROR	4/22/2014	DISCOVERED		256 MARGINAL STREET	E. BOSTON	MA	SUFFOLK
34	1087921	THE CALLER IS REPORTING A DISCHARGE OF MINERAL OIL (UNKNOWN IF CONTAINS PCBS) ONTO ASPHALT/CONCRETE AND INTO A CATCH BASIN. THE CALLER STATED THAT WHILE CONTRACTORS WERE DEMOLISHING A BUILDING A TRANSFORMER WAS PICKED UP WITH THE EXCAVATOR AND DAMAGED. THE SPILL IS BELIEVED TO HAVE OCCURRED ON YESTERDAY'S DATE 02JUL14.	FIXED	OTHER	7/3/2014	DISCOVERED		6 TOMAHAWK DR.	EAST BOSTON	MA	SUFFOLK
35	1091713	THE CALLER IS REPORTING 43 GALLONS OF GASOLINE WAS DISCHARGED INTO THE WATER FROM A PLEASURE CRAFT. THIS INCIDENT OCCURRED DURING A FUELING PROCESS.	VESSEL	OPERATOR ERROR	8/8/2014	OCCURRED		256 MARGINAL STREET	EAST BOSTON	MA	SUFFOLK
36	1094664	CALLER STATED THAT THE SUSPECTED RESPONSIBLE PARTY IS COMPACTING THE TRASH ON THE TRASH TRUCK AND THERE IS AN OILY SUBSTANCE "OOZING" INTO THE STORM DRAIN THAT LEADS TO THE BOSTON HARBOR.	MOBILE	OTHER	9/8/2014	DISCOVERED		256 MARGINAL ST	EAST BOSTON	MA	SUFFOLK

NATIONAL RESPONSE CENTER (NRC) USCG SPILL HISTORY IN THE VICINITY OF PIERS PARK II, BOSTON HARBOR, 95 MARGINAL ST, EAST BOSTON, MA											
INCIDENT MAP ID #	SEQNOS	DESCRIPTION OF INCIDENT	TYPE OF INCIDENT	INCIDENT CAUSE	INCIDENT DATE & TIME	INCIDENT DTG	INCIDENT LOCATION	LOCATION ADDRESS	LOCATION NEAREST CITY	LOCATION STATE	LOCATION COUNTY
37	974689	CALLER IS REPORTING A FUEL LEAK FROM THE FUEL PUMPS ON THE DOCK DUE TO UNKNOWN CAUSES.	FIXED	UNKNOWN	4/20/2011	DISCOVERED		256 MARGINAL ST.	EAST BOSTON	MA	SUFFOLK
38	985839	CALLER STATED THAT THERE WAS A RELEASE OF COOKING GREASE INTO A STORM DRAIN FROM A 55 GALLON DRUM THAT WAS ON THE PROPERTY, THE CAUSE IS UNKNOWN.	STORAGE TANK	UNKNOWN	8/13/2011	OCCURRED	NONE	226 SUMNER STREET	EAST BOSTON	MA	SUFFOLK
39	933604	CALLER STATED PATRIOT 117 (BARGE) WAS CONDUCTING A DREDGING OPERATION WHEN THE HYDRAULIC DOORS STARTED LEAKING FLUID FROM ONE CYLINDER INTO THE WATER.	VESSEL	EQUIPMENT FAILURE	3/11/2010	OCCURRED		256 MARGINAL STREET	EAST BOSTON	MA	SUFFOLK
40	959068	THE CALLER IS REPORTING AN UNKNOWN SHEEN FROM AN UNKNOWN SOURCE AT THEIR OUTFALL IN BOSTON HARBOR. IT IS CONTAINED BY THEIR POLLUTION CONTROL SYSTEM.	UNKNOWN SHEEN	UNKNOWN	11/5/2010	DISCOVERED	UNKNOWN SHEEN INCIDENT	1 HARBORSIDE DR	EAST BOSTON	MA	SUFFOLK
41	834087	CALLER STATED THERE WAS A RELEASE OF MATERIALS FROM THE OILY WATER SEPARATOR ON THE FIRE BOAT DUE TO A MALFUNCTION.	VESSEL	EQUIPMENT FAILURE	5/2/2007	OCCURRED	JEFFREY'S COVE / BOSTON HARBOR		EAST BOSTON	MA	SUFFOLK
42	747203	WHILE PREPARING TO DOCK, A MOORING WENCH HAD A HYDRAULIC PIPE BURST AND RELEASE MATERIALS ONTO THE DECK OF THE VESSEL. AT THIS MATERIALS HAVE REACHED THE WATER.	VESSEL	UNKNOWN	1/14/2005	OCCURRED	BOSTON HARBOR, NEAR EASTERN MINERALS TERMINAL, ADDRESS GIVEN BELOW	37 MARGINAL STREET	BOSTON	MA	SUFFOLK
43	564947	CRANE ON A BARGE TIPPED OVER DUE TO UNKNOWN CAUSES	VESSEL	UNKNOWN	5/4/2001	OCCURRED	JEFFRIES POINT MARINA		EAST BOSTON	MA	SUFFOLK
44	575198	THE CALLER IS REPORTING AN UNKNOWN SHEEN.	UNKNOWN SHEEN	UNKNOWN	8/2/2001	DISCOVERED	END OF MARGINAL STREET INSIDE BOSTON BOAT YARD MARINA	NEAR TRAVEL LIFT	EAST BOSTON	MA	MIDDLESEX

MASSACHUSETTS DEP REPORTED SPILL HISTORY IN THE VICINITY OF PIERS PARK II, BOSTON HARBOR, 95 MARGINAL ST, EAST BOSTON, MA									
INCIDENT MAP ID #	RTN	City/Town	Release Address	Site Name Location Aid	Reporting Category	Notification Date	Compliance Status	RAO Class	Chemical Type
A	3-0037909	BOSTON	256 MARGINAL STREET	BOSTON HARBOR	TWO HR	12/29/2022	PSNC	PN	Oil
B	3-0037246	BOSTON	256 MARGINAL STREET	BOSTON HARBOR	TWO HR	12/22/2021	PSNC	PN	Oil
C	3-0037093	BOSTON	256 MARGINAL STREET	BOSTON HARBOR	TWO HR	09/28/2021	PSNC	PN	Oil
D	3-0036426	BOSTON	256 MARGINAL STREET	BOSTON HARBOR AT HARBOR FUELS	TWO HR	08/09/2020	PSNC	PN	Oil
E	3-0035985	BOSTON	256 MARGINAL STREET	BOSTON HARBOR SHIPYARD MARINA FUEL DOCK	TWO HR	11/16/2019	PSNC	PN	Oil
F	3-0035965	BOSTON	256 MARGINAL STREET	FUELING DOCK AREA TO BOSTON HARBOR	TWO HR	11/24/2019	PSNC	PN	Oil
G	3-0035713	BOSTON	256 MARGINAL STREET	FUELING DOCK	TWO HR	07/07/2019	PSNC	PN	Oil
H	3-0035301	BOSTON	256 MARGINAL STREET	BOSTON HARBOR SHIPYARD & MARINA	TWO HR	11/20/2018	PSNC	PN	Oil
I	3-0035241	BOSTON	256 MARGINAL STREET	TUGBOAT - OCEAN KING	TWO HR	10/17/2018	PSNC	PN	Oil
J	3-0033926	BOSTON	256 MARGINAL STREET	EAST BOSTON SHIPYARD MARINA	TWO HR	11/10/2016	PSNC	PN	Oil
K	3-0033445	BOSTON	MARGINAL STREET	EAST PIER BUILDINGS 5 & 6	120 DY	02/25/2016	PSNC	PN	Hazardous Material
L	3-0032354	BOSTON	233 MARGINAL STREET	FUEL DOCK AREA	TWO HR	08/08/2014	PSNC	PN	Oil
M	3-0027043	BOSTON	233 MARGINAL ST	BOSTON HBR SHIPYARD	TWO HR	08/16/2007	RAO	A1	Oil
N	3-0026551	BOSTON	256 MARGINAL ST	WATER LINE REPAIRS/SEWER LINE REPAIRS	120 DY	01/26/2007	RAO	A3	Oil And Hazardous Material
O	3-0023557	BOSTON	MARGINAL ST	PIER 5-MASSPORT PROPERTY	120 DY	01/26/2004	RAO	B1	Oil
P	3-0022871	BOSTON	256 MARGINAL ST	NO LOCATION AID	TWO HR	05/20/2003	RAO	A1	Oil
Q	3-0021173	BOSTON	MARGINAL ST	EAST BOSTON PIER 1	120 DY	10/05/2001	RAO	C2	Oil And Hazardous Material
R	3-0019710	BOSTON	95 MARGINAL ST	PIER 3	120 DY	07/03/2000	RAO	B1	Oil And Hazardous Material
S	3-0017472	BOSTON	MARGINAL ST	JEFFRIES POINT LOTS 4438 TO 4441	120 DY	10/22/1998	RAO	C1	Oil And Hazardous Material
T	3-0010633	BOSTON	256 MARGINAL ST	BOSTON MARINE WORKS	TWO HR	03/01/1994	RAO	A1	Oil
U	3-0004064	BOSTON	MARGINAL ST	PIER 4 DEVELOPMENT PROJECT	TRANS	10/15/1992	RAO	A3	Oil
V	3-0001116	BOSTON	256 MARGINAL ST	MASSPORT	TRANS	01/15/1987	RAO	A2	Oil
W	3-0036542	BOSTON	187 SUMNER STREET	187 SUMNER STREET	120 DY	10/22/2020	PSNC	PN	Oil And Hazardous Material
X	3-0035025	BOSTON	99 TO 111 SUMNER ST	FORMER HODGE BOILER WORKS	120 DY	06/19/2018	PSNC	PN	Hazardous Material
Y	3-0028460	BOSTON	209 SUMNER ST	NO LOCATION AID	72 HR	04/23/2009	RAO	A2	Oil
Z	3-0023231	BOSTON	INTERSEC OF LEWIS AND SUMNER	MBTA MAVERICK STATION	120 DY	10/01/2003	RAO	A2	Oil And Hazardous Material
AA	3-0023155	BOSTON	113 AND 123-127 SUMNER ST	NO LOCATION AID	120 DY	09/02/2003	RAO	A2	Hazardous Material
BB	3-0019192	BOSTON	241 SUMNER ST	FIRE STATION ENGINE 9	120 DY	01/28/2000	RAO	A2	Oil
CC	3-0012597	BOSTON	123-127 SUMNER ST	CLIPPERSHIP WHARF DEVELOPMENT SITE	120 DY	06/19/1995	RAO	A2	Hazardous Material
EE	3-0028985	BOSTON	JEFFRIES ST	NO LOCATION AID	120 DY	01/04/2010	URAM		Oil And Hazardous Material

Attachment H
RMAT Tool Output Report

Climate Resilience Design Standards Tool Project Report

Piers Park II Seawall Structural Rehabilitation

Date Created: 3/14/2025 3:33:43 PM

Created By: jessicaheath

Date Report Generated: 3/14/2025 8:17:42 PM

Tool Version: Version 1.4

Project Contact Information: Fiona Vardy (fiona.vardy@foth.com)

Project Summary

[Link to Project](#)

Estimated Capital Cost: \$5000000.00

End of Useful Life Year: 2077

Project within mapped Environmental Justice neighborhood: Yes

Ecosystem Service

Scores

Benefits

Project Score

Low

Exposure

Scores

Sea Level Rise/Storm

High

Surge

Exposure

Extreme Precipitation -

High

Stormwater Flooding

Exposure

Extreme Precipitation -

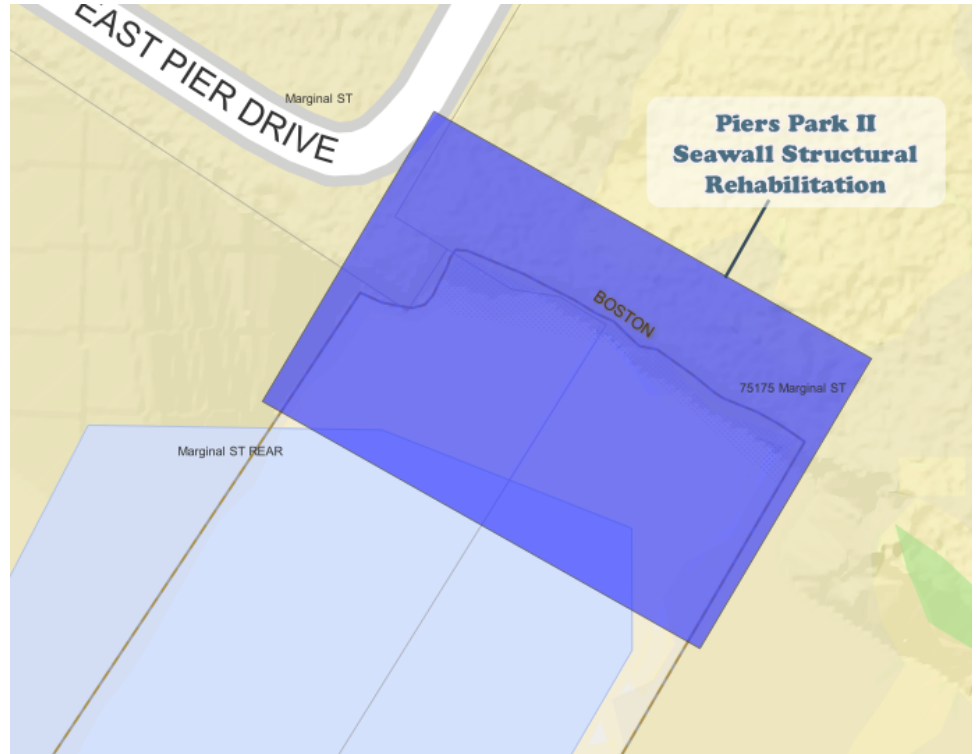
Not Exposed

Riverine Flooding

Extreme Heat

High

Exposure



Asset Preliminary Climate Risk Rating

Number of Assets: 1

Summary

Asset Risk

Sea Level Rise/Storm Surge

Extreme Precipitation - Stormwater Flooding

Extreme Precipitation - Riverine Flooding

Extreme Heat

Stone Revetment

High Risk

High Risk

Low Risk

High Risk

Climate Resilience Design Standards Summary

	Target Planning Horizon	Intermediate Planning Horizon	Percentile	Return Period	Tier
Sea Level Rise/Storm Surge					
Stone Revetment	2070	2050		50-yr (2%)	
Extreme Precipitation					
Stone Revetment	2070			25-yr (4%)	Tier 2
Extreme Heat					
Stone Revetment	2070		50th		Tier 2

Scoring Rationale - Project Exposure Score

The purpose of the Exposure Score output is to provide a preliminary assessment of whether the overall project site and subsequent assets are exposed to impacts of natural hazard events and/or future impacts of climate change. For each climate parameter, the Tool will calculate one of the following exposure ratings: Not Exposed, Low Exposure, Moderate Exposure, or High Exposure. The rationale behind the exposure rating is provided below.

Sea Level Rise/Storm Surge

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

- Located within the predicted mean high water shoreline by 2030
- Exposed to the 1% annual coastal flood event as early as 2030
- Historic coastal flooding at project site

Extreme Precipitation - Stormwater Flooding

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

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

- 30+ days increase in days over 90 deg. F within project's useful life
- Less than 10% of the existing project site has canopy cover
- Located within 100 ft of existing water body
- No increase to the impervious area of the project site
- No tree removal

Scoring Rationale - Asset Preliminary Climate Risk Rating

A Preliminary Climate Risk Rating is determined for each infrastructure and building asset by considering the overall project Exposure Score and responses to Step 4 questions provided by the user in the Tool. Natural Resource assets do not receive a risk rating. The following factors are what influenced the risk ratings for each asset.

Asset - Stone Revetment

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
- Loss/inoperability of the asset would have impacts limited to the location of infrastructure only
- Inoperability of the asset would not be expected to result in injuries
- Cost to replace is less than \$10 million
- Impact on natural resources will require remediation/rehabilitation with the inoperability of the asset

Project Climate Resilience Design Standards Output

Climate Resilience Design Standards and Guidance are recommended for each asset and climate parameter. The Design Standards for each climate parameter include the following: recommended planning horizon (target and/or intermediate), recommended return period (Sea Level Rise/Storm Surge and Precipitation) or percentile (Heat), and a list of applicable design criteria that are likely to be affected by climate change. Some design criteria have numerical values associated with the recommended return period and planning horizon, while others have tiered methodologies with step-by-step instructions on how to estimate design values given the other recommended design standards.

Asset: Stone Revetment

Infrastructure

Sea Level Rise/Storm Surge

High Risk

Target Planning Horizon: 2070

Intermediate Planning Horizon: 2050

Return Period: 50-yr (2%)

LIMITATIONS: The recommended Climate Resilience Design Standards for the Sea Level Rise / Storm Surge Design Criteria are based on the user drawn polygon and relationships as defined in the Supporting Documents. The projected values provided through the Tool are based on the Massachusetts Coast Flood Risk Model (MC-FRM) outputs as of 9/13/2021, which included GIS-based data for three planning horizons (2030, 2050, 2070) and six return periods (0.1%, 0.2%, 0.5%, 1%, 2%, 5%). These values are projections based on assumptions as defined in the model and the LiDAR used at the time. For additional information on the MC-FRM, review the additional resources provided on the Start Here page.

The projected values, Standards, and Guidance provided within this Tool may be used to inform plans and designs, but they do not provide guarantees for future conditions or resilience. The projected values are not to be considered final or appropriate for construction documents without supporting engineering analyses. The guidance provided within this Tool is intended to be general and users are encouraged to do their own due diligence.

Applicable Design Criteria

Projected Tidal Datums: APPLICABLE

Planning Horizon	MHHW	MHW	MTL	MLW	MLLW
	(ft - NAVD88)				
2050	7.8	7.4	2.5	-2.4	-2.7
2070	9.7	9.3	4.3	-0.7	-1.0

Projected Water Surface Elevation: APPLICABLE

Asset Name	Recommended Planning Horizon	Recommended Return Period	Max	Min	Area Weighted Average
			(ft - NAVD88)		
Stone Revetment	2050	2% (50-Year)	11.7	11.7	11.7
	2070		13.5	13.5	13.5

Projected Wave Action Water Elevation: APPLICABLE

Asset Name	Recommended Planning Horizon	Recommended Return Period	Max	Min	Area Weighted Average
			(ft - NAVD88)		
Stone Revetment	2050	2% (50-Year)	14.3	12.8	13.6
	2070		16.1	14.6	15.4

Projected Wave Heights: APPLICABLE

Asset Name	Recommended Planning Horizon	Recommended Return Period	Max	Min	Area Weighted Average
			(Feet)		
Stone Revetment	2050	2% (50-Year)	4.0	1.5	3.1
	2070		4.0	1.5	3.2

Projected Duration of Flooding: APPLICABLE

[Methodology to Estimate Projected Values](#)

Projected Design Flood Velocity: APPLICABLE

[Methodology to Estimate Projected Values](#)

Projected Scour & Erosion: APPLICABLE

[Methodology to Estimate Projected Values](#)

Target Planning Horizon: 2070

Return Period: 25-yr (4%)

LIMITATIONS: The recommended Standards for Total Precipitation Depth & Peak Intensity are determined by the user drawn polygon and relationships as defined in the Supporting Documents. The projected Total Precipitation Depth values provided through the Tool are based on the climate projections developed by Cornell University as part of EEA's Massachusetts Climate and Hydrologic Risk Project, GIS-based data as of 10/15/21. For additional information on the methodology of these precipitation outputs, see Supporting Documents.

While Total Precipitation Depth & Peak Intensity for 24-hour Design Storms are useful to inform planning and design, it is recommended to also consider additional longer- and shorter-duration precipitation events and intensities in accordance with best practices. Longer-duration, lower-intensity storms allow time for infiltration and reduce the load on infrastructure over the duration of the storm. Shorter-duration, higher-intensity storms often have higher runoff volumes because the water does not have enough time to infiltrate infrastructure systems (e.g., catch basins) and may overflow or back up during such storms, resulting in flooding. In the Northeast, short-duration high intensity rain events are becoming more frequent, and there is often little early warning for these events, making it difficult to plan operationally. While the Tool does not provide recommended design standards for these scenarios, users should still consider both short- and long-duration precipitation events and how they may impact the asset.

The projected values, standards, and guidance provided within this Tool may be used to inform plans and designs, but they do not provide guarantees for future conditions or resilience. The projected values are not to be considered final or appropriate for construction documents without supporting engineering analyses. The guidance provided within this Tool is intended to be general and users are encouraged to do their own due diligence.

Applicable Design Criteria

Tiered Methodology: Tier 2

Projected Total Precipitation Depth & Peak Intensity for 24-hr Design Storms: APPLICABLE

Asset Name	Recommended Planning Horizon	Recommended Return Period (Design Storm)	Projected 24-hr Total Precipitation Depth (inches)	Step-by-Step Methodology for Peak Intensity
Stone Revetment	2070	25-Year (4%)	8.4	Downloadable Methodology PDF

Projected Riverine Peak Discharge & Peak Flood Elevation: NOT APPLICABLE

Target Planning Horizon: 2070

Percentile: 50th Percentile

LIMITATIONS: The recommended standards are determined by the user-drawn polygon and relationships as defined in the supporting Section Documents. The guidance provided within this Tool may be used to inform plans and designs, but does not provide guarantees for resilience. The guidance provided within this Tool is intended to be general and users are encouraged to do their own due diligence. One avenue to seek more information would be to access the comprehensive temperature and precipitation projections including additional return periods, time horizons, and seasons at the [Climate Projections Dashboard](#).

Applicable Design Criteria

Projected Annual/Summer/Winter Average Temperatures: APPLICABLE

Asset Name	Recommended Planning Horizon	Recommended Percentile	Projected Annual Average Temperature [°F]	Projected Summer Average Temperature [°F]	Projected Winter Average Temperature [°F]
Stone Revetment	2070	50th	58.50	77.70	38.71

LIMITATIONS: The recommended Standards for Projected Average Annual/Summer/Winter Temperature are determined by the user-drawn polygon and relationships as defined in the supporting Section Documents. The guidance provided within this Tool may be used to inform plans and designs, but is not comprehensive and does not provide guarantees for resilience. The guidance provided within this Tool is intended to be general and users are encouraged to do their own due diligence. One avenue to seek more information would be to access the comprehensive temperature and precipitation projections including additional return periods, time horizons, and seasons at the [Climate Projections Dashboard](#).

Projected Growing Degree Days: NOT APPLICABLE

Projected Days Per Year With Max Temp > 95°F, >90°F, <32°F: APPLICABLE

Asset Name	Recommended Planning Horizon	Recommended Percentile	Projected Days with Max Temp >95°F (days)	Projected Days with Max Temp >90°F (days)	Projected Days with Max Temp <32°F (days)
Stone Revetment	2070	50th	18	47	63

LIMITATIONS: The recommended Standards for Projected Days per Year with Max Temp >95°F, >90°F, <32°F are determined by the user-drawn polygon and relationships as defined in the supporting Section Documents. The guidance provided within this Tool may be used to inform plans and designs, but is not comprehensive and does not provide guarantees for resilience. The guidance provided within this Tool is intended to be general and users are encouraged to do their own due diligence. One avenue to seek more information would be to access the comprehensive temperature and precipitation projections including additional return periods, time horizons, and seasons at the [Climate Projections Dashboard](#).

Projected Number of Heat Waves Per Year & Average Heat Wave Duration: APPLICABLE

Asset Name	Recommended Planning Horizon	Recommended Percentile	Projected Number of Heat Waves Per Year (events)	Projected Average Heat Wave Duration (days)
Stone Revetment	2070	50th	0	4

LIMITATIONS: The recommended Standards for Projected Number of Heat Waves Per Year and Average Heat Wave Duration are determined by the user-drawn polygon and relationships as defined in the supporting Section Documents. The guidance provided within this Tool may be used to inform plans and designs, but is not comprehensive and does not provide guarantees for resilience. The guidance provided within this Tool is intended to be general and users are encouraged to do their own due diligence. One avenue to seek more information would be to access the comprehensive temperature and precipitation projections including additional return periods, time horizons, and seasons at the [Climate Projections Dashboard](#).

Projected Cooling Degree Days & Heating Degree Days (base = 65°F): NOT APPLICABLE

Projected Heat Index: APPLICABLE

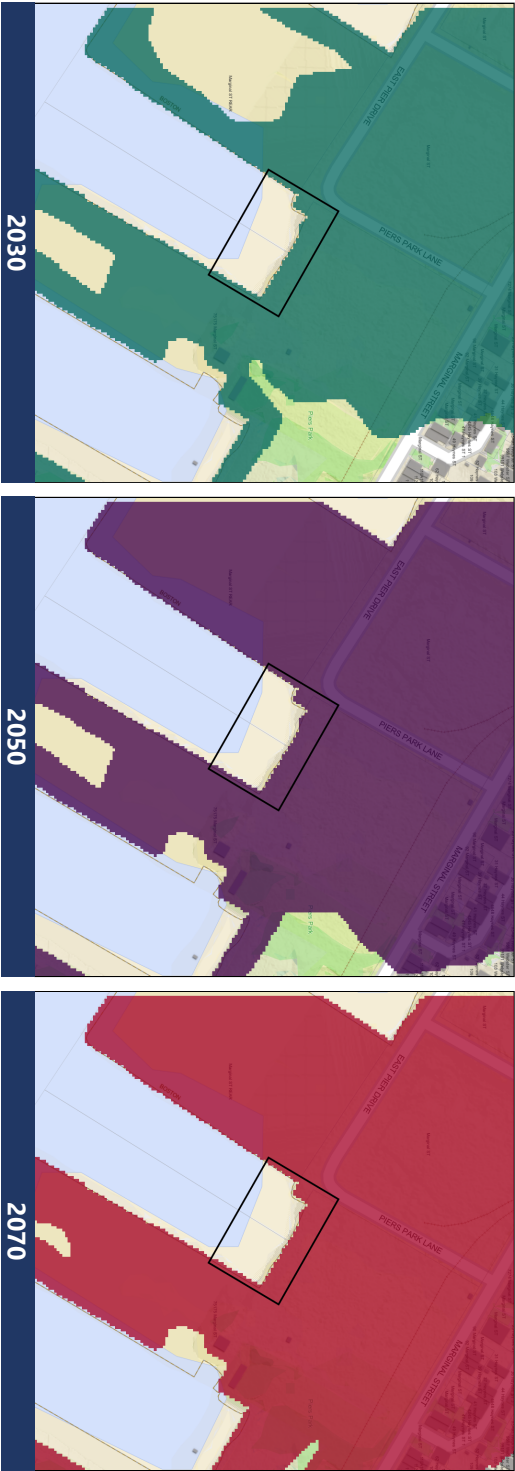
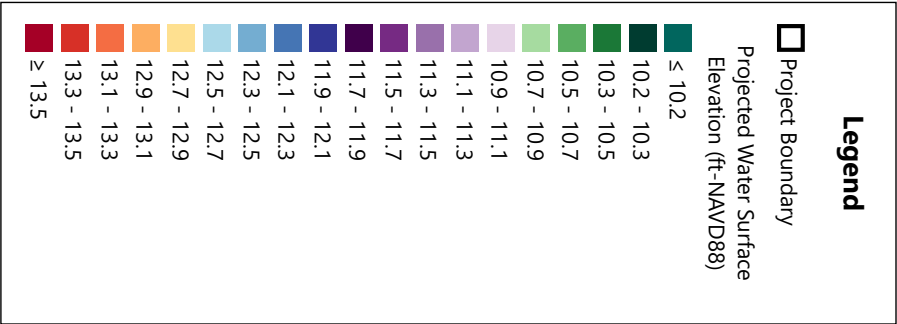
[Methodology to Estimate Projected Values](#) : Tier 2

Sea Level Rise/Storm Surge Project Maps

The following three maps illustrate the Projected Water Surface Elevation for the 2030, 2050, and 2070 planning horizons corresponding to the lowest return period (largest design storm) recommended across the assets identified for this project in the Tool. For projects that only have Natural Resource assets, the maps will show the Projected Water Surface Elevations corresponding to the 5% (20-year) return period. Refer to the Climate Resilience Design Standards Output - Sea Level Rise/Storm Surge Section for additional values associated with other assets. The maps include the project area as drawn by the user with a 0.1 mile minimum buffer, but do not reflect the location of specific assets on the site.

LIMITATIONS: The recommended Climate Resilience Design Standards for the Sea Level Rise / Storm Surge Design Criteria are based on the user drawn polygon and relationships as defined in the Supporting Documents. The projected values and maps provided through the Tool are based on the Massachusetts Coast Flood Risk Model (MC-FRM) outputs as of 9/13/2021, which included GIS-based data for three planning horizons (2030, 2050, 2070) and six return periods (0.1%, 0.2%, 0.5%, 1%, 2%, 5%). These values are projections based on assumptions as defined in the model and the LiDAR used at the time. For additional information on the MC-FRM, review the additional resources provided on the Start Here page.

The projected values, maps, Standards, and Guidance provided within this Tool may be used to inform plans and designs, but they do not provide guarantees for future conditions or resilience. The projected values are not to be considered final or appropriate for construction documents without supporting engineering analyses. The guidance provided within this Tool is intended to be general and users are encouraged to do their own due diligence.



Climate Resilience Design Standards Tool:
Sea Level Rise/Storm Surge Design Criteria
Projected Water Surface Elevation Map: 2% (50-yr)

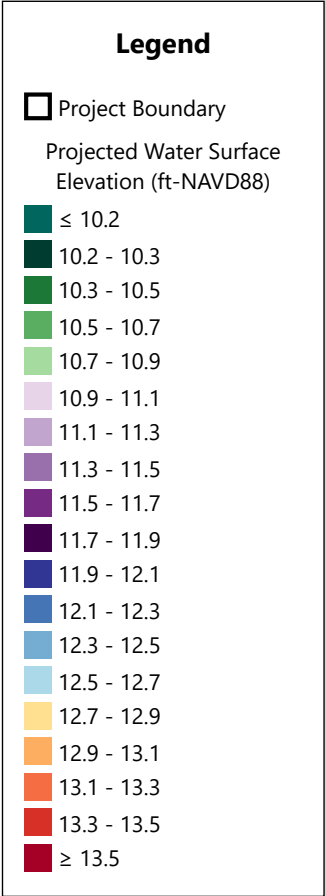
Project Name: Piers Park II Seawall Structural Rehabilitation
Location (Town): Boston



Created by: jessicaheath
Date Created: 3/14/2025
Tool Version: 1.4



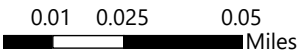
Asset Name	Planning Horizon	Return Period	Area Weighted Average (ft-NAVD88)		
			Max	Min	
Stone Revetment	2030	2% (50-yr)	10.2	10.2	10.2
	2050	2% (50-yr)	11.7	11.7	11.7
	2070	2% (50-yr)	13.5	13.5	13.5





**Climate Resilience Design Standards Tool:
Sea Level Rise/Storm Surge Design Criteria
Projected Water Surface Elevation Map: 2050, 2% (50-yr)**

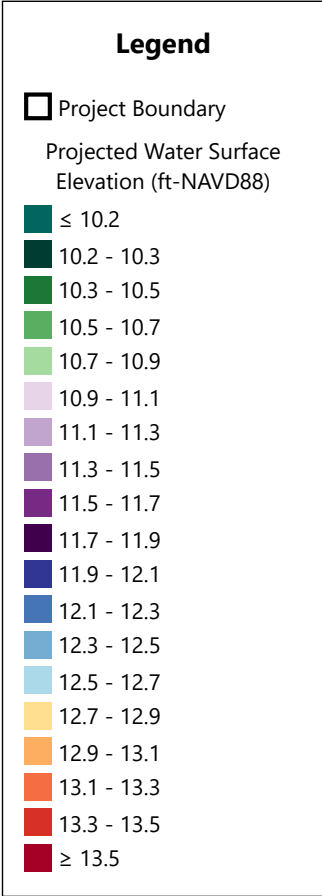
Project Name: Piers Park II Seawall Structural
Rehabilitation
Location (Town): Boston



Created by: jessicaheath
Date Created: 3/14/2025
Tool Version: 1.4



Asset Name	Planning Horizon	Return Period	Max	Min	Area Weighted Average
			(ft-NAVD88)		
Stone Revetment	2050	2% (50-yr)	11.7	11.7	11.7

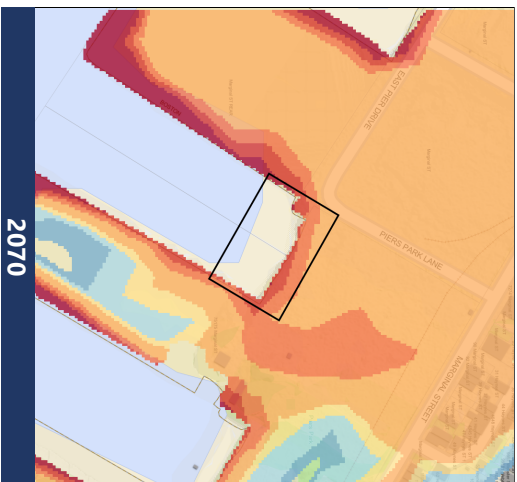
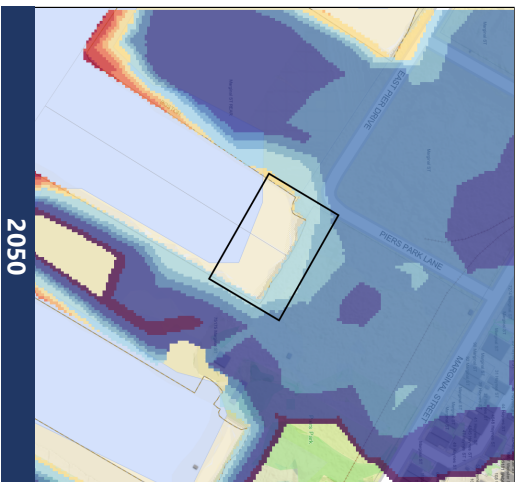
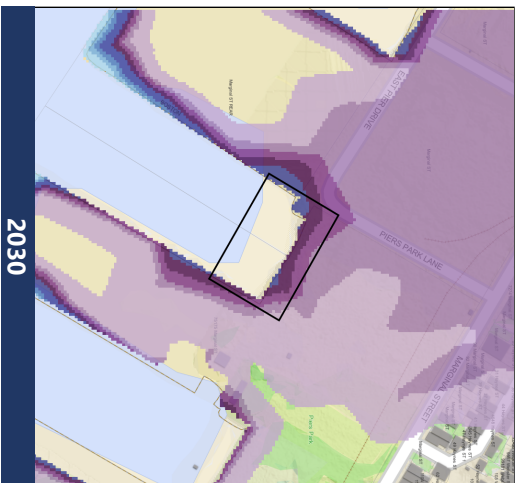
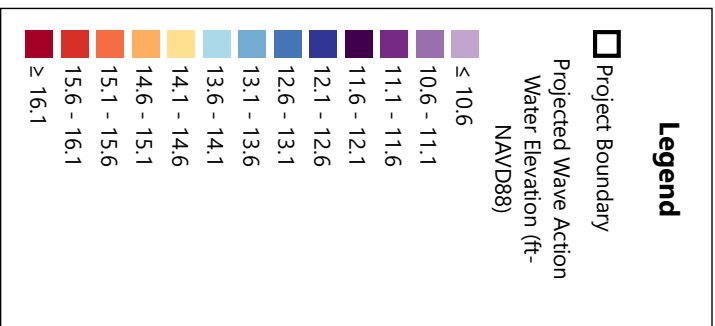


Sea Level Rise/Storm Surge Project Maps

The following three maps illustrate the Projected Wave Action Water Elevation for the 2030, 2050, and 2070 planning horizons corresponding to the lowest return period (largest design storm) recommended across the assets identified for this project in the Tool. For projects that only have Natural Resource assets, the maps will show the Projected Wave Action Water Elevations corresponding to the 5% (20-year) return period. Refer to the Climate Resilience Design Standards Output - Sea Level Rise/Storm Surge Section for additional values associated with other assets. The maps include the project area as drawn by the user with a 0.1 mile minimum buffer, but do not reflect the location of specific assets on the site.

LIMITATIONS: The recommended Climate Resilience Design Standards for the Sea Level Rise / Storm Surge Design Criteria are based on the user drawn polygon and relationships as defined in the Supporting Documents. The projected values and maps provided through the Tool are based on the Massachusetts Coast Flood Risk Model (MC-FRM) outputs as of 9/13/2021, which included GIS-based data for three planning horizons (2030, 2050, 2070) and six return periods (0.1%, 0.2%, 0.5%, 1%, 2%, 5%). These values are projections based on assumptions as defined in the model and the LiDAR used at the time. For additional information on the MC-FRM, review the additional resources provided on the Start Here page.

The projected values, maps, Standards, and Guidance provided within this Tool may be used to inform plans and designs, but they do not provide guarantees for future conditions or resilience. The projected values are not to be considered final or appropriate for construction documents without supporting engineering analyses. The guidance provided within this Tool is intended to be general and users are encouraged to do their own due diligence.



**Climate Resilience Design Standards Tool:
Sea Level Rise/Storm Surge Design Criteria
Projected Wave Action Water Elevation Map: 2% (50-yr)**

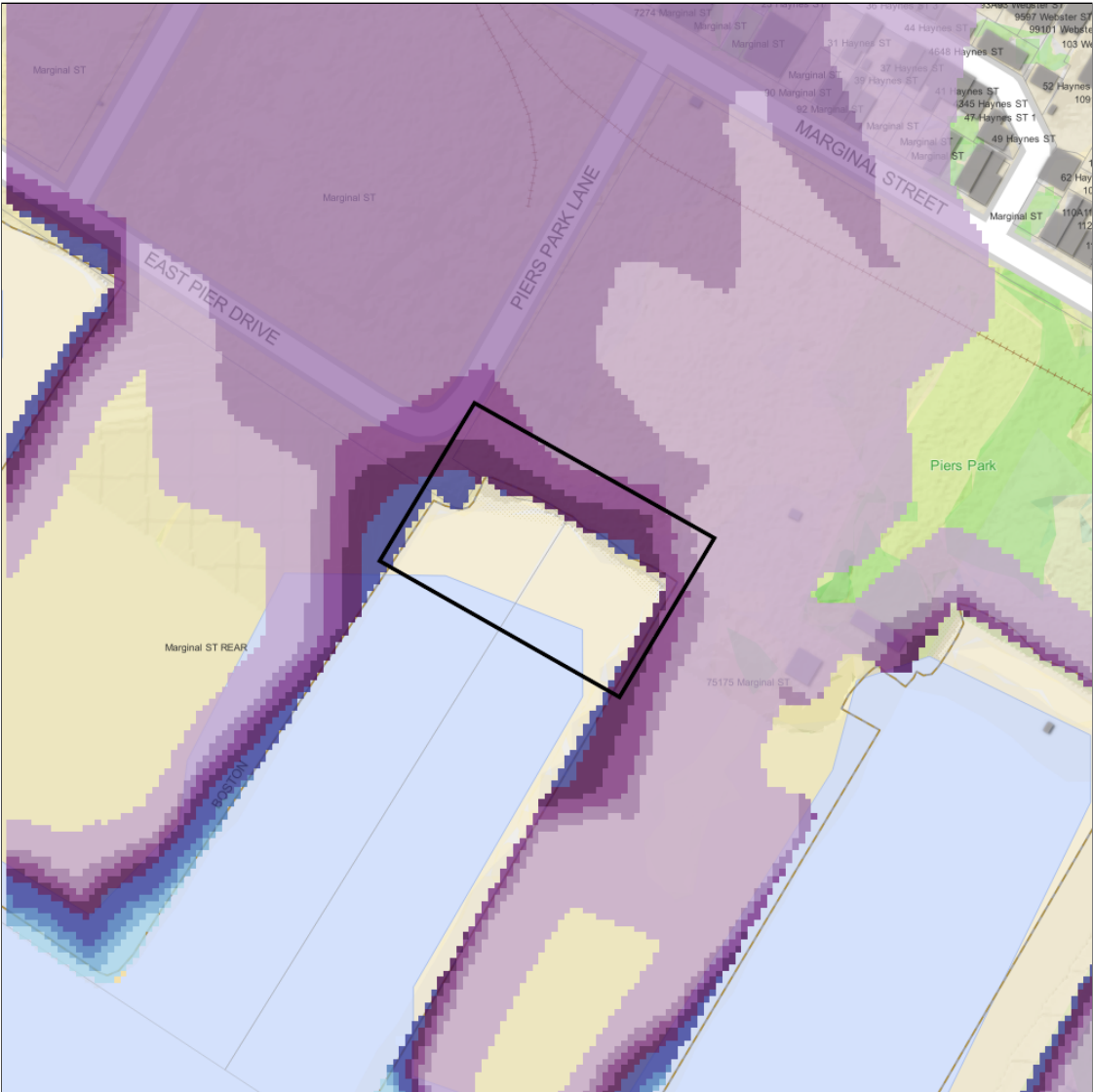
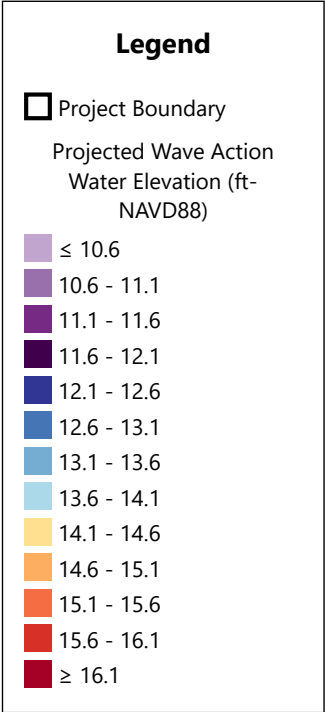
Project Name: Piers Park II Seawall Structural Rehabilitation
Location (Town): Boston



Created by: jessicah Heath
Date Created: 3/14/2025
Tool Version: 1.4

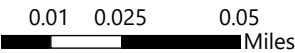


Asset Name	Planning Horizon	Return Period	Max	Min	Area Weighted Average (ft-NAV/88)
Stone Revetment	2030	2% (50-yr)	12.1	10.6	11.5
	2050	2% (50-yr)	14.3	12.8	13.6
	2070	2% (50-yr)	16.1	14.6	15.4



Climate Resilience Design Standards Tool:
Sea Level Rise/Storm Surge Design Criteria
Projected Wave Action Water Elevation Map: 2030, 2% (50-yr)

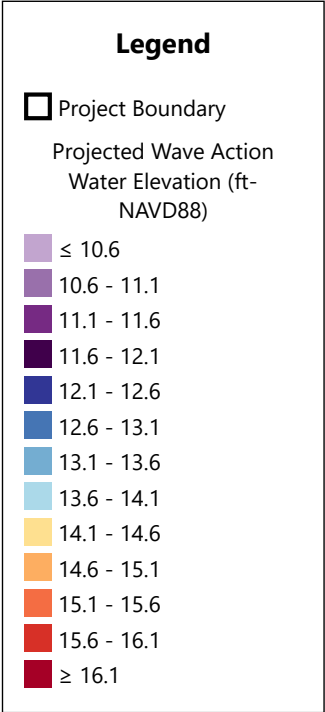
Project Name: Piers Park II Seawall Structural Rehabilitation
Location (Town): Boston

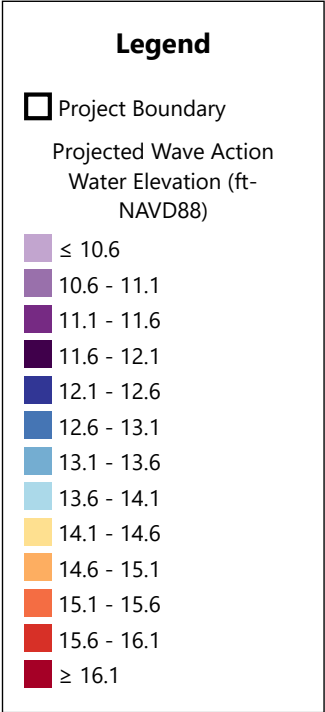


Created by: jessicaheath
Date Created: 3/14/2025
Tool Version: 1.4



Asset Name	Planning Horizon	Return Period	Max	Min	Area Weighted Average
			(ft-NAVD88)		
Stone Revetment	2030	2% (50-yr)	12.1	10.6	11.5





Project Inputs

Core Project Information

Name:	Piers Park II Seawall Structural Rehabilitation
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)?	2077
Location of Project:	Boston
Estimated Capital Cost:	\$5,000,000
Who is the Submitting Entity?	Private Other Foth Infrastructure & Environment, LLC Fiona Vardy (fiona.vardy@foth.com)
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?	Yes
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?	Yes
Brief Project Description:	The Massachusetts Port Authority (Massport) is proposing to remove the existing concrete and granite seawall and replace it with a stone revetment. The proposed work includes demolition of existing seawall and pile supported pier, and excavation and/or dredging of the existing fill retained by the wall, plus an amount of material seaward of the existing wall as required to construct the stone revetment. The top of the proposed stone revetment will be built from the seaward side of the new wall, and the revetment will be constructed at a 1.5H:1V slope down to the maximum toe stone depth of -15 FT NAVD88. The top of the revetment will retreat landward by approximately 20-29 FT of the existing seawall. The estimated quantity of material to be removed for construction is 2,500 cubic yards (CY). The proposed revetment will enhance the overall aesthetic of Piers Park II as viewed from both the water and land and creates new intertidal zone in lieu of solid vertical wall.

Project Ecosystem Service Benefits

Factors Influencing Output

- ✓ Project provides flood protection through nature-based solutions
- ✓ Project reduces storm damage

Factors to Improve Output

- ✓ Incorporate nature-based solutions that improve water quality

Is the primary purpose of this project ecological restoration?

No

Project Benefits

Provides flood protection through nature-based solutions	Yes
Reduces storm damage	Yes
Recharges groundwater	No
Protects public water supply	No
Filters stormwater using green infrastructure	No
Improves water quality	Maybe
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 Hazard Exposure

Is the primary purpose of this project ecological restoration?	No
Does the project site have a history of coastal flooding?	Yes

Does the project site have a history of flooding during extreme precipitation events (unrelated to water/sewer damages)?	Unsure
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?	No
Are existing trees being removed as part of the proposed project?	No

Project Assets

Asset: Stone Revetment

Asset Type: Dams and Flood Control Structures

Asset Sub-Type: Other Flood Barrier

Construction Type: Major Repair/Retrofit

Construction Year: 2027

Useful Life: 50

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

Infrastructure 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 infrastructure.

Impacts limited to location of infrastructure only

Identify the population directly served that would be affected by the permanent loss or significant inoperability of the infrastructure.

Less than 5,000 people

Identify if the infrastructure provides services to populations that reside within Environmental Justice neighborhoods or climate vulnerable populations.

The infrastructure does not provide services to populations that reside within Environmental Justice neighborhoods or climate vulnerable populations.

Will the infrastructure reduce the risk of flooding?

Yes

If the infrastructure 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 infrastructure would not be expected to result in injuries

If there are hazardous materials in your infrastructure, what are the extents of impacts related to spills/releases of these materials?

There are no hazardous materials in the infrastructure

If the infrastructure 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 the infrastructure was damaged beyond repair, how much would it approximately cost to replace?

Less than \$10 million

Does the infrastructure function as an evacuation route during emergencies? This question only applies to roadway projects.

No

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

Impact on natural resources will require remediation/rehabilitation

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

Loss of infrastructure is not expected to reduce the ability to maintain government services

What are the impacts to loss of confidence in government resulting from loss of infrastructure functionality (i.e. the infrastructure asset is not able to serve or operate its intended users or function)?

No Impact

Report Comments

N/A

Attachment I
Environmental Justice

Project-Specific EJ Distribution List

Populate this Project-Specific Distribution List with the appropriate contacts from all 4 tabs in the EJ Reference List workbook

Project Name: Piers Park II

Project Address: 95 Marginal Street, East Boston, MA 02128

MA Municipalities in Project's DGA: East Boston

Date Generated: 2/6/2025

Filing Type:

☒ ENF/EENF

☐ DEIR/FEIR

☒ SEIR

☐ Other

First Name	Last Name	Title	Phone	Email	Affiliation	Contact Type (autopopulates)
Claire	B.W. Muller	Movement Building Director	(508) 308-9261	claire@uumassaction.org	Unitarian Universalist Mass Action Network	Statewide CBO
Julia	Blatt	Executive Director	(617) 714-4272	juliablatt@massriversalliance.org	Mass Rivers Alliance	Statewide CBO
Jodi	Valenta	Massachusetts State Director	(617) 367-6200	Jodi.Valenta@tpl.org	The Trust for Public Land	Statewide CBO
Kerry	Bowie	Board President	Not Provided	kerry@msaadapartners.com	Browning the GreenSpace	Statewide CBO
Sylvia	Broude	Executive Director	(617) 292-4821	sylvia@communityactionworks.org	Community Action Works	Statewide CBOLocal CBO
Heather	Clish	Director of Conservation & Recreation Policy	(617) 523-0655	hclish@outdoors.org	Appalachian Mountain Club	Statewide CBO
Brittney	Jenkins	Vice President	Not Provided	Bjenkins@clf.org	Conservation Law Foundation	Statewide CBO
Alex	St. Pierre	Director of Communities & Toxics	Not Provided	aestpierre@clf.org	Conservation Law Foundation	Statewide CBO
Paulina	Muratore	Director of Transportation Justice and Infrastructure	Not Provided	pmuratore@clf.org	Conservation Law Foundation	Statewide CBO
Breanne	Frank	Associate Attorney	Not Provided	bfrank@clf.org	Conservation Law Foundation	Statewide CBO
Amy	Boyd Rabin	Vice President of Policy	(617) 221-8258	aboydrabin@environmentalleague.org	Environmental League of Massachusetts	Statewide CBO
Zahra	Saifee	Policy & Advocacy Coordinator	(435) 632-9482	zsaifee@environmentalleague.org	Environmental League of Massachusetts	Statewide CBO
Ben	Hellerstein	MA State Director	(617) 747-4368	ben@environmentmassachusetts.org	Environment Massachusetts	Statewide CBO
Robb	Johnson	Executive Director	(978) 443-2233	robb@massland.org	Mass Land Trust Coalition	Statewide CBO
Cindy	Luppi	New England Director	(617) 338-8131 x208	cluppi@cleanwater.org	Clean Water Action	Statewide CBO
Dálida	Rocha	Executive Director	Not Provided	dalida@n2nma.org	Neighbor to Neighbor Mass.	Statewide CBOLocal CBO
Lena Miles	Entin Gresham	Director of Individual Giving Campaign Director	Not Provided	Lena@N2NMa.org Miles@N2NMa.org	Neighbor to Neighbor Mass.	Statewide CBOLocal CBO
Rob	Moir	Executive Director	Not Provided	rob@oceanriver.org	Ocean River Institute	Statewide CBO
Vickash	Mohanka	Director, MA Chapter	Not Provided	vick.mohanka@sierraclub.org	Sierra Club MA	Statewide CBO
Heidi	Ricci	Director of Policy	Not Provided	hricci@massaudubon.org	Mass Audubon	Statewide CBO
Alma	Gordon	President	Not Provided	tribalcouncil@chappaquiddick.org	Chappaquiddick Tribe of the Wampanoag Nation	Indigenous Org
Cheryll	Toney Holley	Chair	(774) 317-9138	crwritings@aol.com	Nipmuc Nation (Hassanamisco Nipmucs)	Indigenous Org
John	Peters, Jr.	Executive Director	(617) 573-1292	john.peters@mass.gov	Massachusetts Commission on Indian Affairs (MCIA)	Indigenous Org
Melissa	Ferretti	Chair	(508) 304-5023	melissa@herringpondtribe.org	Herring Pond Wampanoag Tribe	Indigenous Org
Patricia	D. Rocker	Council Chair	Not Provided	rockerpatriciad@verizon.net	Chappaquiddick Tribe of the Wampanoag Nation, Whale Clan	Indigenous Org
Raquel	Halsey	Executive Director	(617) 232-0343	rhalsey@naicob.org	North American Indian Center of Boston	Indigenous Org
Cora	Pierce	Not Provided	Not Provided	Coradot@yahoo.com	Pocasset Wampanoag Tribe	Indigenous Org
Elizabeth	Solomon	Not Provided	Not Provided	Solomon.Elizabeth@gmail.com	Massachusetts Tribe at Ponkapoag	Indigenous Org
Bettina	Washington	Tribal Historic Preservation Officer	(508) 560-9014	thpo@wampanoagtribe-nsn.gov	Wampanoag Tribe of Gay Head (Aquinnah)	Federal Tribe
Brian	Weeden	Chair	(774) 413-0520	Brian.Weeden@mwtribe-nsn.gov	Mashpee Wampanoag Tribe	Federal Tribe
David	Weeden	THPO/Director	(774) 327.0068	David.Weeden@mwtribe-nsn.gov	Mashpee Wampanoag Tribe	Federal Tribe
Nakia	Hendricks Jr.	Office Manager	Not Provided	106Review@mwtribe-nsn.gov	Mashpee Wampanoag Tribe	Federal Tribe
Patrick	Herron	Executive Director	Not Provided	Patrick.Herron@mysticriver.org	Mystic River Watershed Association	Local CBO
Karl	Alexander	Greenways Program Manager	Not Provided	karl.alexander@mysticriver.org	Mystic River Watershed Association	Local CBO
Marissa	Zampino	Community Organizer	Not Provided	marissa.zampino@mysticriver.org	Mystic River Watershed Association	Local CBO
Laura	Jasinski	Executive Director	Not Provided	ljaskinski@thecharles.org	Charles River Conservancy	Local CBO

Heather	Miller	Not Provided	(617) 540-5650 x1073	hmillier@crwa.org	Charles River Watershed Assoc.	Local CBO
Deb	Fastino	Executive Director	(617) 316-0456	dfastino@aol.com	Coalition for Social Justice	Local CBO
Chris	Marchi	Vice President	Not Provided	cbmarchi@gmail.com	Air, Inc.	Local CBO
Joy	Gary	Executive Director	(617) 825-3846	joy@bostonfarms.org	Boston Farms Community Land Trust	Local CBO
Kelly	Sherman	Manager of Waterfront Design	Not Provided	KSherman@BostonHarborNow	Boston Harbor Now	Local CBO
Lydia	Lowe	Executive Director	(617) 259-1503	lydia@chinatownclt.org	Chinatown Community Land Tru	Local CBO
Karen	Chen	Executive Director	(617) 357-4499	karen@cpaboston.org	Chinese Progressive Association	Local CBO
Lee	Matsueda	Executive Director	(617) 723-2639	lee@massclu.org	Mass Community Labor United	Local CBO
Noemi	Mimi Ramos	Executive Director	Not Provided	mimi.neunited4justice@gmail.com	New England United for Justice	Local CBO

Environmental Justice Screening Form

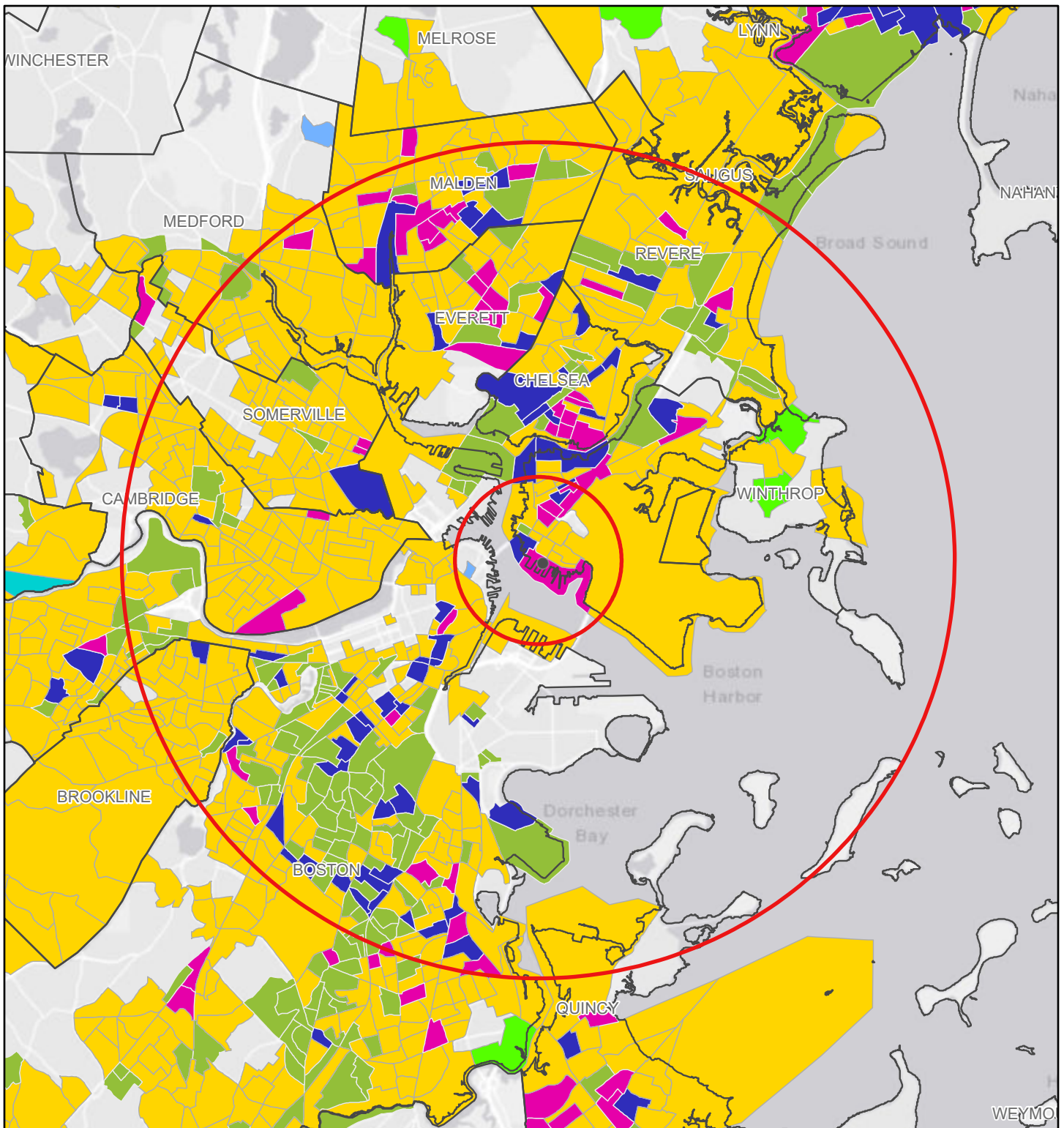
Project Name	Piers Park II Seawall Structural Rehabilitation	
Anticipated Date of MEPA Filing	March 31, 2025	
Proponent Name	Massachusetts Port Authority (Massport)	
Contact Information (e.g., consultant)	Brad Washburn, Massport bwashburn@massport.com 617-568-3546	Fiona Vardy, Foth Fiona.vardy@foth.com 508-762-0784
Public website for project or other physical location where project materials can be obtained (if available)	Not Applicable	
Municipality and Zip Code for Project (if known)	Boston, MA 02128	
Project Type* (list all that apply)	Coastal Infrastructure; Resiliency	
Is the project site within a mapped 100-year FEMA flood plain? Y/N/unknown	Y	
Estimated GHG emissions of conditioned spaces (click here for GHG Estimation tool)	Not applicable	

Project Description

1. Provide a brief project description, including overall size of the project site and square footage of proposed buildings and structures if known. <p>The purpose of the proposed stone revetment is to replace the existing seawall located at the southern extent of the newly constructed Piers Park II located at 95 Marginal Street in Boston, MA. The revetment project will require demolition of the existing seawall and pile supported pier, and excavation and/or dredging of the existing fill retained by the wall, plus an amount of material seaward of the existing wall as required to construct the stone revetment.</p>		
2. List anticipated MEPA review thresholds (301 CMR 11.03) (if known) <p>301 CMR 11.03(3)(b)1.a. – Provided that a permit is required: Alteration of coastal dune, barrier beach, or coastal bank 301 CMR 11.03(3)(b)6 – Construction, reconstruction or Expansion of an existing solid fill structure of 1,000 or more square feet (sf) 301 CMR 11.06(7)(b) – The Secretary shall require an EIR for any project that is located within a Designated Geographic Area (DGA) around an Environmental Justice Population</p>		
3. List all anticipated state, local and federal permits needed for the project (if known) Table 1 – Summary of Regulatory Permits and Authorizations		
Regulatory Agency	Statute / Authority	Permit / Authorization
<i>Local</i>		
Boston Conservation Commission	M.G.L. c. 131 §40	Order of Conditions (OOC)
<i>State</i>		
Massachusetts Environmental Policy Act (MEPA) Office	M.G.L. c. §§61-621	Certificate of the Secretary of Energy and Environmental Affairs
Massachusetts Department of	M.G.L. c. §§26-53 / Clean Water	Section 401 Water Quality

Environmental Protection (MassDEP)	Act 33 U.S.C. §1251 et. seq.	Certification	
<i>Federal</i>			
U.S. Army Corps of Engineers (USACE)	Clean Water Act 33 U.S.C. 1344 §404	Pre-Construction Notification	
Coastal Zone Management (CZM)	M.G.L. c 21A §§2-4A et. seq.	Federal Consistency Review (if required)	
<p>4. Identify EJ populations and characteristics (Minority, Income, English Isolation) within 5 miles of project site (can attach map identifying 5-mile radius from EJ Maps Viewer in lieu of narrative)</p> <p>Please see the attached map and list of EJ populations within 1 and 5 miles of the site.</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</p> <p>Vulnerable health EJ criteria located within a 1-mile radius of the project site include: Low Birth Weight, Pediatric Asthma, and Elevated Blood Lead Prevalence</p>			
<p>6. Identify potential short-term and long-term environmental and public health impacts that may affect EJ Populations and any anticipated mitigation</p> <p>The project will provide both short- and long-term environmental and public health benefits by protecting existing resource areas and adjacent infrastructure. This protection is particularly important during severe weather events and in response to projected sea level rise. The project will implement measures to prevent erosion, maintaining the integrity of the coastal resource areas and reducing the risk of flooding and other related issues.</p>			
<p>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</p> <p>The project will offer significant benefits by protecting existing coastal resources and adjacent infrastructure. Immediate measures will prevent erosion of the existing resource areas and safeguard the adjacent roadway. Designed to withstand 100-year storm events, the project will provide long-term protection against severe storms.</p>			
<p>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.</p> <p>Interested parties who would like to request a meeting, language interpretation, or specific accommodations are welcome to contact the project’s public outreach contact, Brad Washburn (Massport), via email at bwashburn@massport.com</p>			

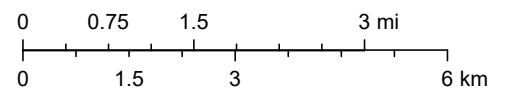
2020 Environmental Justice Neighborhoods



3/11/2025, 3:52:55 PM

1:144,448

- Override 1
- MA 2020 Environmental Justice Block Groups
- Minority: the block group minority population is $\geq 40\%$, or the block group minority population is $\geq 25\%$ and the median household income of the municipality the block group
- Income: at least 25% of households have a median household income 65% or less than the state median household income
- Language isolation: 25% or more of households do not include anyone older than 14 who speaks English very well
- Minority and Income
- Income and English isolation
- Minority, Income and English isolation



City of Boston, MassGIS, Esri, HERE, Garmin, USGS, EPA, NPS

5 Mile Radius		
Block Group 4	Census Tract 2081.02	Minority
Block Group 1	Census Tract 2081.02	Minority
Block Group 2	Census Tract 3424.02	Minority
Block Group 1	Census Tract 3503	Minority
Block Group 1	Census Tract 3510.01	Minority
Block Group 3	Census Tract 3510.01	Minority
Block Group 2	Census Tract 3512.03	Minority
Block Group 3	Census Tract 3513	Minority
Block Group 3	Census Tract 3512.04	Minority
Block Group 1	Census Tract 3594	Minority
Block Group 2	Census Tract 3503	Minority
Block Group 3	Census Tract 3503	Minority
Block Group 2	Census Tract 3508	Minority
Block Group 1	Census Tract 3513	Minority
Block Group 2	Census Tract 3513	Minority
Block Group 3	Census Tract 3514.03	Minority
Block Group 2	Census Tract 3514.04	Minority and income
Block Group 2	Census Tract 3594	Minority
Block Group 3	Census Tract 3594	Minority
Block Group 4	Census Tract 3594	Minority
Block Group 5	Census Tract 3594	Minority
Block Group 2	Census Tract 3510.01	Minority
Block Group 1	Census Tract 3511.01	Minority
Block Group 3	Census Tract 3511.01	Minority
Block Group 1	Census Tract 3511.02	Minority
Block Group 1	Census Tract 3512.03	Minority
Block Group 4	Census Tract 3512.03	Minority
Block Group 1	Census Tract 3515	Minority
Block Group 2	Census Tract 3515	Minority
Block Group 3	Census Tract 3515	Minority
Block Group 2	Census Tract 3538	Minority and income
Block Group 1	Census Tract 3512.04	Minority
Block Group 2	Census Tract 3512.04	Minority
Block Group 1	Census Tract 3514.03	Minority and English isolation
Block Group 2	Census Tract 3514.03	Minority
Block Group 4	Census Tract 3514.03	Minority
Block Group 5	Census Tract 3514.03	Minority and English isolation
Block Group 2	Census Tract 3521.01	Minority
Block Group 2	Census Tract 3530	Minority
Block Group 2	Census Tract 3531.02	Minority
Block Group 1	Census Tract 3521.02	Minority
Block Group 1	Census Tract 3523	Minority
Block Group 1	Census Tract 3514.04	Minority
Block Group 3	Census Tract 3514.04	Minority
Block Group 4	Census Tract 3514.04	Minority
Block Group 4	Census Tract 3515	Minority, income and English isolation
Block Group 1	Census Tract 3521.01	Minority
Block Group 3	Census Tract 3521.01	Minority
Block Group 2	Census Tract 3523	Minority
Block Group 1	Census Tract 3522	Minority
Block Group 1	Census Tract 3525	Minority
Block Group 2	Census Tract 3525	Minority
Block Group 2	Census Tract 3526	Minority
Block Group 2	Census Tract 3521.02	Minority
Block Group 3	Census Tract 3523	Minority
Block Group 1	Census Tract 3524	Minority
Block Group 1	Census Tract 3526	Minority
Block Group 2	Census Tract 3527	Minority and English isolation
Block Group 1	Census Tract 3529	Minority
Block Group 1	Census Tract 3527	Minority
Block Group 2	Census Tract 3529	Minority
Block Group 1	Census Tract 3528	Minority
Block Group 1	Census Tract 3545	Minority
Block Group 1	Census Tract 3532	Minority
Block Group 3	Census Tract 3532	Minority
Block Group 1	Census Tract 3530	Minority
Block Group 1	Census Tract 3531.01	Minority
Block Group 2	Census Tract 3531.01	Minority
Block Group 1	Census Tract 3531.02	Minority
Block Group 3	Census Tract 3533	Minority
Block Group 2	Census Tract 3536	Minority and income
Block Group 2	Census Tract 3533	Minority
Block Group 1	Census Tract 3539	Minority
Block Group 3	Census Tract 3531.02	Minority and English isolation
Block Group 2	Census Tract 3532	Minority
Block Group 4	Census Tract 3532	Minority
Block Group 1	Census Tract 3533	Minority
Block Group 2	Census Tract 3546.02	Minority
Block Group 1	Census Tract 3547	Minority
Block Group 2	Census Tract 3547	Minority

1 Mile Radius		
Block Group 1	Census Tract 9813	Minority
Block Group 3	Census Tract 501.01	Minority
Block Group 2	Census Tract 408.01	Minority and income
Block Group 3	Census Tract 502	Minority, income and English isolation
Block Group 1	Census Tract 503	Minority
Block Group 2	Census Tract 503	Minority and income
Block Group 1	Census Tract 504	Minority
Block Group 1	Census Tract 606.04	Minority
Block Group 1	Census Tract 505	Minority
Block Group 1	Census Tract 506	Minority and English isolation
Block Group 2	Census Tract 506	Minority
Block Group 1	Census Tract 507	Minority and English isolation
Block Group 2	Census Tract 507	Minority, income and English isolation
Block Group 3	Census Tract 507	Minority and English isolation
Block Group 1	Census Tract 509.01	Minority and English isolation
Block Group 2	Census Tract 509.01	Minority
Block Group 2	Census Tract 701.04	Minority
Block Group 1	Census Tract 303.02	Minority
Block Group 3	Census Tract 304	English isolation
Block Group 2	Census Tract 501.01	Minority, income and English isolation
Block Group 1	Census Tract 502	Minority
Block Group 2	Census Tract 502	Minority
Block Group 4	Census Tract 502	Minority and English isolation
Block Group 3	Census Tract 503	Minority, income and English isolation
Block Group 2	Census Tract 504	Minority
Block Group 1	Census Tract 512	Minority and English isolation
Block Group 2	Census Tract 512	Minority
Block Group 3	Census Tract 512	Minority

Block Group 1	Census Tract 3536	Minority
Block Group 3	Census Tract 3536	Minority
Block Group 2	Census Tract 3537	Minority
Block Group 3	Census Tract 3537	Minority
Block Group 4	Census Tract 3537	Minority, income and English isolation
Block Group 1	Census Tract 3548	Minority
Block Group 5	Census Tract 3537	Minority and income
Block Group 1	Census Tract 3538	Minority
Block Group 3	Census Tract 3538	Minority
Block Group 4	Census Tract 3538	Minority
Block Group 2	Census Tract 3539	Minority
Block Group 3	Census Tract 3539	Minority
Block Group 1	Census Tract 3540	Minority
Block Group 2	Census Tract 3540	Minority
Block Group 3	Census Tract 3540	Minority
Block Group 1	Census Tract 3541	Minority
Block Group 2	Census Tract 3541	Minority
Block Group 2	Census Tract 3544	Minority
Block Group 2	Census Tract 3545	Minority
Block Group 1	Census Tract 3546.02	Minority
Block Group 3	Census Tract 3546.02	Minority
Block Group 2	Census Tract 3548	Minority
Block Group 3	Census Tract 3550	Minority
Block Group 1	Census Tract 3416	Minority
Block Group 5	Census Tract 3416	Minority
Block Group 2	Census Tract 3417	Minority
Block Group 4	Census Tract 3417	Minority and income
Block Group 5	Census Tract 3417	Minority
Block Group 2	Census Tract 3395	Minority and income
Block Group 1	Census Tract 3396	Minority
Block Group 2	Census Tract 3396	Minority
Block Group 4	Census Tract 3415	Minority
Block Group 3	Census Tract 3416	Minority
Block Group 4	Census Tract 3416	Minority
Block Group 6	Census Tract 3416	Minority
Block Group 3	Census Tract 3396	Minority
Block Group 6	Census Tract 3396	Minority
Block Group 3	Census Tract 3397	Minority
Block Group 3	Census Tract 3398.02	Minority
Block Group 2	Census Tract 3398.04	Minority
Block Group 1	Census Tract 3399	Minority
Block Group 2	Census Tract 3399	Minority
Block Group 1	Census Tract 3397	Minority
Block Group 2	Census Tract 3397	Minority
Block Group 3	Census Tract 3417	Minority
Block Group 2	Census Tract 3416	Minority
Block Group 1	Census Tract 3417	Minority
Block Group 1	Census Tract 3418	Minority and English isolation
Block Group 1	Census Tract 3400	Minority
Block Group 2	Census Tract 3418	Minority and income
Block Group 3	Census Tract 3418	Minority
Block Group 4	Census Tract 3418	Minority, income and English isolation
Block Group 5	Census Tract 3418	Minority, income and English isolation
Block Group 6	Census Tract 3418	Minority, income and English isolation
Block Group 2	Census Tract 3398.02	Minority
Block Group 3	Census Tract 3422.02	Minority
Block Group 1	Census Tract 3423.01	Minority
Block Group 2	Census Tract 3423.01	Minority
Block Group 2	Census Tract 3423.02	Minority
Block Group 1	Census Tract 3424.01	Minority
Block Group 3	Census Tract 3424.01	Minority
Block Group 4	Census Tract 3399	Minority
Block Group 1	Census Tract 3391.01	Minority
Block Group 5	Census Tract 3396	Minority
Block Group 1	Census Tract 3421.01	Minority and income
Block Group 3	Census Tract 3421.01	Minority, income and English isolation
Block Group 2	Census Tract 3421.02	Minority
Block Group 3	Census Tract 3422.01	Minority and English isolation
Block Group 4	Census Tract 3422.01	Minority
Block Group 4	Census Tract 3397	Minority
Block Group 1	Census Tract 3501.06	Minority
Block Group 1	Census Tract 3501.07	Minority
Block Group 1	Census Tract 3501.08	Minority and income
Block Group 2	Census Tract 3501.08	Minority
Block Group 1	Census Tract 3398.02	Minority
Block Group 4	Census Tract 3398.02	Minority
Block Group 1	Census Tract 3398.04	Minority
Block Group 1	Census Tract 3501.09	Minority
Block Group 1	Census Tract 3502.01	Minority
Block Group 2	Census Tract 3502.01	Minority
Block Group 3	Census Tract 3502.01	Minority

Block Group 1	Census Tract 3502.02	Minority
Block Group 1	Census Tract 3398.03	Minority
Block Group 2	Census Tract 3398.03	Minority
Block Group 3	Census Tract 3398.04	Minority
Block Group 3	Census Tract 3399	Minority
Block Group 2	Census Tract 3422.02	Minority
Block Group 3	Census Tract 3423.02	Minority
Block Group 2	Census Tract 3425.01	Minority and income
Block Group 2	Census Tract 3424.01	Minority, income and English isolation
Block Group 5	Census Tract 3399	Minority and English isolation
Block Group 2	Census Tract 3400	Minority
Block Group 3	Census Tract 3400	Minority
Block Group 2	Census Tract 3419.01	Minority
Block Group 1	Census Tract 3419.03	Minority
Block Group 2	Census Tract 3419.03	Minority
Block Group 1	Census Tract 3419.04	Minority
Block Group 3	Census Tract 3401	Minority
Block Group 1	Census Tract 3411.01	Minority
Block Group 2	Census Tract 3502.02	Minority
Block Group 3	Census Tract 3502.02	Minority
Block Group 1	Census Tract 3506	Minority
Block Group 3	Census Tract 3391.01	Minority and income
Block Group 1	Census Tract 3411.02	Minority and English isolation
Block Group 2	Census Tract 3411.02	Minority
Block Group 1	Census Tract 3424.02	Minority
Block Group 3	Census Tract 3424.02	Minority and English isolation
Block Group 1	Census Tract 3425.01	Minority and English isolation
Block Group 1	Census Tract 3425.02	Minority and English isolation
Block Group 1	Census Tract 3412	Minority
Block Group 2	Census Tract 3412	Minority and English isolation
Block Group 3	Census Tract 3412	Minority
Block Group 1	Census Tract 3413.01	Minority, income and English isolation
Block Group 2	Census Tract 3413.01	Minority and English isolation
Block Group 2	Census Tract 3419.04	Minority and income
Block Group 2	Census Tract 3421.01	Minority
Block Group 4	Census Tract 3421.01	Minority and English isolation
Block Group 1	Census Tract 3421.02	Minority
Block Group 3	Census Tract 3413.01	Minority and income
Block Group 4	Census Tract 3413.01	Minority and English isolation
Block Group 1	Census Tract 3413.02	Minority
Block Group 1	Census Tract 3415	Minority
Block Group 1	Census Tract 3419.01	Minority
Block Group 3	Census Tract 3419.03	Minority
Block Group 1	Census Tract 3423.02	Minority
Block Group 3	Census Tract 3419.04	Minority and income
Block Group 3	Census Tract 3415	Minority
Block Group 4	Census Tract 3412	Minority
Block Group 5	Census Tract 3412	Minority
Block Group 1	Census Tract 3414	Minority and English isolation
Block Group 2	Census Tract 3414	Minority and English isolation
Block Group 2	Census Tract 3425.02	Minority
Block Group 1	Census Tract 3426	Minority
Block Group 2	Census Tract 3426	Minority, income and English isolation
Block Group 3	Census Tract 3426	Minority
Block Group 1	Census Tract 3501.05	Minority
Block Group 1	Census Tract 3395	Minority
Block Group 3	Census Tract 3414	Minority
Block Group 4	Census Tract 3414	Minority
Block Group 2	Census Tract 3415	Minority and English isolation
Block Group 5	Census Tract 3414	Minority
Block Group 5	Census Tract 3415	Minority and English isolation
Block Group 3	Census Tract 3421.02	Minority
Block Group 4	Census Tract 3421.02	Minority
Block Group 1	Census Tract 3422.01	Minority and income
Block Group 2	Census Tract 3422.01	Minority and English isolation
Block Group 1	Census Tract 3422.02	Minority and income
Block Group 2	Census Tract 7.03	Minority and income
Block Group 2	Census Tract 1.01	Minority
Block Group 2	Census Tract 4001	Minority
Block Group 1	Census Tract 4002.02	Minority, income and English isolation
Block Group 1	Census Tract 4003	Minority
Block Group 3	Census Tract 4005	Minority
Block Group 1	Census Tract 4001	Minority
Block Group 3	Census Tract 4001	Minority
Block Group 2	Census Tract 4007	Minority
Block Group 4	Census Tract 4001	Minority
Block Group 5	Census Tract 4001	Minority
Block Group 1	Census Tract 4002.01	Minority
Block Group 2	Census Tract 4002.02	Minority
Block Group 3	Census Tract 4007	Minority
Block Group 2	Census Tract 4008	Minority

Block Group 3	Census Tract 4008	Minority
Block Group 1	Census Tract 4009	Minority
Block Group 2	Census Tract 4003	Minority
Block Group 3	Census Tract 4009	Minority
Block Group 1	Census Tract 4010	Minority
Block Group 3	Census Tract 4003	Minority
Block Group 1	Census Tract 4004.01	Minority
Block Group 2	Census Tract 4004.01	Minority
Block Group 1	Census Tract 4008	Minority
Block Group 2	Census Tract 4005	Minority
Block Group 4	Census Tract 4005	Minority
Block Group 1	Census Tract 4007	Minority
Block Group 4	Census Tract 4008	Minority
Block Group 2	Census Tract 4009	Minority and income
Block Group 2	Census Tract 4010	Minority
Block Group 3	Census Tract 4010	Minority
Block Group 1	Census Tract 4173	Minority
Block Group 1	Census Tract 9813	Minority
Block Group 1	Census Tract 1006.03	Minority
Block Group 2	Census Tract 1006.03	Minority
Block Group 3	Census Tract 1605.01	Minority
Block Group 4	Census Tract 1605.01	Minority, income and English isolation
Block Group 5	Census Tract 1605.01	Minority and income
Block Group 1	Census Tract 1605.02	Minority, income and English isolation
Block Group 3	Census Tract 1605.02	Minority
Block Group 4	Census Tract 1605.02	Minority, income and English isolation
Block Group 1	Census Tract 1203.01	Minority
Block Group 1	Census Tract 1204	Minority
Block Group 4	Census Tract 1204	Minority
Block Group 5	Census Tract 1605.02	Minority
Block Group 3	Census Tract 1606.01	Minority
Block Group 4	Census Tract 1606.01	Minority
Block Group 5	Census Tract 1204	Minority
Block Group 1	Census Tract 1205	Minority
Block Group 2	Census Tract 1205	Minority and English isolation
Block Group 2	Census Tract 1207	Minority
Block Group 2	Census Tract 1606.02	Minority
Block Group 2	Census Tract 1603	Minority and income
Block Group 1	Census Tract 1604	Minority, income and English isolation
Block Group 2	Census Tract 1604	Minority, income and English isolation
Block Group 1	Census Tract 1606.01	Minority and income
Block Group 2	Census Tract 1606.01	Minority
Block Group 2	Census Tract 1704	Minority and income
Block Group 3	Census Tract 1704	Minority and income
Block Group 4	Census Tract 1704	Minority and English isolation
Block Group 1	Census Tract 1606.02	Minority
Block Group 4	Census Tract 1606.02	Minority, income and English isolation
Block Group 5	Census Tract 1606.02	Minority
Block Group 1	Census Tract 1701.01	Minority
Block Group 2	Census Tract 1701.01	Minority
Block Group 3	Census Tract 1701.01	Minority
Block Group 1	Census Tract 1701.02	Minority and English isolation
Block Group 2	Census Tract 1701.02	Minority
Block Group 3	Census Tract 1701.02	Minority
Block Group 4	Census Tract 1701.02	Minority and income
Block Group 1	Census Tract 1702	Minority and income
Block Group 2	Census Tract 1702	Minority, income and English isolation
Block Group 4	Census Tract 1702	Minority and income
Block Group 1	Census Tract 1706.01	Minority
Block Group 3	Census Tract 1706.01	Minority
Block Group 4	Census Tract 1706.01	Minority and income
Block Group 3	Census Tract 1707.02	Minority and income
Block Group 1	Census Tract 1703.01	Minority
Block Group 2	Census Tract 1703.01	Minority
Block Group 3	Census Tract 1703.01	Minority
Block Group 4	Census Tract 1703.01	Minority
Block Group 1	Census Tract 1703.02	Minority
Block Group 3	Census Tract 1703.02	Minority
Block Group 5	Census Tract 1704	Minority
Block Group 2	Census Tract 1705.02	Minority and income
Block Group 1	Census Tract 1705.03	Minority
Block Group 1	Census Tract 1705.04	Minority
Block Group 2	Census Tract 1705.04	Minority
Block Group 2	Census Tract 1706.01	Minority
Block Group 2	Census Tract 1203.01	Minority
Block Group 3	Census Tract 1203.01	Minority
Block Group 4	Census Tract 1203.01	Minority
Block Group 3	Census Tract 1205	Minority
Block Group 1	Census Tract 1206	Minority
Block Group 1	Census Tract 1601.02	Minority and English isolation
Block Group 2	Census Tract 1601.02	Minority and English isolation

Block Group 3	Census Tract 1601.02	Minority
Block Group 2	Census Tract 1707.01	Minority
Block Group 1	Census Tract 1707.02	Minority, income and English isolation
Block Group 2	Census Tract 1707.02	Minority and income
Block Group 4	Census Tract 1707.02	Minority and English isolation
Block Group 3	Census Tract 1606.02	Minority
Block Group 3	Census Tract 1702	Minority and income
Block Group 1	Census Tract 1704	Minority
Block Group 2	Census Tract 1206	Minority
Block Group 3	Census Tract 1206	Minority
Block Group 1	Census Tract 1207	Minority
Block Group 4	Census Tract 1601.02	Minority, income and English isolation
Block Group 1	Census Tract 1601.03	Minority and English isolation
Block Group 2	Census Tract 1601.03	Minority and English isolation
Block Group 3	Census Tract 1601.03	Minority
Block Group 4	Census Tract 1601.03	Minority and English isolation
Block Group 1	Census Tract 1602	Minority and English isolation
Block Group 2	Census Tract 1602	Minority, income and English isolation
Block Group 3	Census Tract 1602	Minority and English isolation
Block Group 1	Census Tract 1708	Minority
Block Group 4	Census Tract 1801.01	Minority
Block Group 1	Census Tract 1802	Minority
Block Group 2	Census Tract 1802	Income
Block Group 4	Census Tract 1602	Minority and income
Block Group 1	Census Tract 1603	Minority
Block Group 3	Census Tract 1604	Minority
Block Group 4	Census Tract 1604	Minority and income
Block Group 1	Census Tract 1605.01	Minority
Block Group 2	Census Tract 1605.01	Minority and income
Block Group 3	Census Tract 1802	Income
Block Group 1	Census Tract 1805	Minority
Block Group 3	Census Tract 1805	Minority
Block Group 1	Census Tract 9803	Minority
Block Group 1	Census Tract 8.06	Minority and income
Block Group 1	Census Tract 101.03	Minority, income and English isolation
Block Group 3	Census Tract 101.03	Minority
Block Group 2	Census Tract 101.04	Minority
Block Group 1	Census Tract 102.04	Minority and income
Block Group 2	Census Tract 102.04	Minority
Block Group 3	Census Tract 102.04	Minority and income
Block Group 1	Census Tract 102.05	Minority
Block Group 2	Census Tract 102.05	Minority
Block Group 3	Census Tract 102.05	Minority and income
Block Group 1	Census Tract 911	Minority
Block Group 2	Census Tract 812	Minority and income
Block Group 5	Census Tract 817	Minority and income
Block Group 2	Census Tract 919	Minority and income
Block Group 1	Census Tract 712.01	Minority
Block Group 4	Census Tract 102.05	Minority, income and English isolation
Block Group 1	Census Tract 102.06	Minority
Block Group 2	Census Tract 102.06	Minority and income
Block Group 1	Census Tract 103	Minority and income
Block Group 2	Census Tract 103	Minority
Block Group 1	Census Tract 501.01	Minority
Block Group 3	Census Tract 501.01	Minority
Block Group 2	Census Tract 408.01	Minority and income
Block Group 3	Census Tract 502	Minority, income and English isolation
Block Group 1	Census Tract 503	Minority
Block Group 2	Census Tract 503	Minority and income
Block Group 1	Census Tract 504	Minority
Block Group 1	Census Tract 817	Minority and income
Block Group 2	Census Tract 817	Minority and income
Block Group 4	Census Tract 817	Minority and income
Block Group 1	Census Tract 818	Minority and income
Block Group 2	Census Tract 818	Minority
Block Group 2	Census Tract 806.01	Minority and income
Block Group 1	Census Tract 606.04	Minority
Block Group 3	Census Tract 610	Minority and income
Block Group 2	Census Tract 611.01	Minority, income and English isolation
Block Group 1	Census Tract 611.01	Minority and income
Block Group 1	Census Tract 104.03	Minority and income
Block Group 2	Census Tract 104.03	Minority and income
Block Group 3	Census Tract 104.03	Minority
Block Group 1	Census Tract 104.04	Minority
Block Group 4	Census Tract 104.04	Minority and income
Block Group 1	Census Tract 104.05	Minority
Block Group 1	Census Tract 505	Minority
Block Group 1	Census Tract 506	Minority and English isolation
Block Group 2	Census Tract 506	Minority
Block Group 1	Census Tract 507	Minority and English isolation
Block Group 2	Census Tract 507	Minority, income and English isolation

Block Group 3	Census Tract 509.01	Minority, income and English isolation
Block Group 3	Census Tract 818	Minority and income
Block Group 2	Census Tract 819	Minority and income
Block Group 3	Census Tract 819	Minority
Block Group 4	Census Tract 819	Minority, income and English isolation
Block Group 3	Census Tract 820	Minority and income
Block Group 1	Census Tract 821	Minority, income and English isolation
Block Group 4	Census Tract 910.01	Minority
Block Group 1	Census Tract 701.04	Minority
Block Group 2	Census Tract 104.05	Minority and income
Block Group 3	Census Tract 104.05	Minority, income and English isolation
Block Group 1	Census Tract 104.08	Minority
Block Group 1	Census Tract 105	Minority and income
Block Group 2	Census Tract 105	Minority, income and English isolation
Block Group 3	Census Tract 105	Minority
Block Group 1	Census Tract 510	Minority
Block Group 3	Census Tract 507	Minority and English isolation
Block Group 1	Census Tract 509.01	Minority and English isolation
Block Group 2	Census Tract 509.01	Minority
Block Group 2	Census Tract 821	Minority
Block Group 3	Census Tract 821	Minority and income
Block Group 1	Census Tract 901	Minority and income
Block Group 2	Census Tract 901	Minority and income
Block Group 3	Census Tract 901	Minority
Block Group 2	Census Tract 701.04	Minority
Block Group 3	Census Tract 701.04	Minority and English isolation
Block Group 1	Census Tract 701.02	Minority, income and English isolation
Block Group 3	Census Tract 711.01	Minority and English isolation
Block Group 3	Census Tract 703.02	Minority
Block Group 1	Census Tract 106	Minority
Block Group 2	Census Tract 106	Minority
Block Group 3	Census Tract 106	Minority
Block Group 1	Census Tract 107.01	Minority
Block Group 1	Census Tract 108.01	Minority
Block Group 1	Census Tract 202	Minority
Block Group 2	Census Tract 202	Minority
Block Group 2	Census Tract 510	Minority and income
Block Group 3	Census Tract 510	Minority
Block Group 1	Census Tract 511.01	Minority and English isolation
Block Group 3	Census Tract 511.01	Minority
Block Group 4	Census Tract 901	Minority and income
Block Group 1	Census Tract 902	Minority, income and English isolation
Block Group 2	Census Tract 902	Minority, income and English isolation
Block Group 3	Census Tract 902	Minority and income
Block Group 2	Census Tract 815	Minority
Block Group 3	Census Tract 817	Minority and income
Block Group 1	Census Tract 820	Minority
Block Group 2	Census Tract 820	Minority and income
Block Group 4	Census Tract 904	Minority
Block Group 1	Census Tract 203.01	Minority
Block Group 1	Census Tract 203.04	Minority
Block Group 2	Census Tract 203.05	Minority
Block Group 4	Census Tract 511.01	Minority
Block Group 2	Census Tract 606.04	Minority
Block Group 1	Census Tract 607	Minority and income
Block Group 2	Census Tract 607	Minority, income and English isolation
Block Group 2	Census Tract 610	Minority and income
Block Group 1	Census Tract 903	Minority, income and English isolation
Block Group 2	Census Tract 903	Minority, income and English isolation
Block Group 3	Census Tract 903	Minority and income
Block Group 1	Census Tract 904	Minority
Block Group 2	Census Tract 904	Minority
Block Group 1	Census Tract 303.02	Minority
Block Group 1	Census Tract 402	Minority and income
Block Group 2	Census Tract 402	Minority
Block Group 1	Census Tract 403	Minority
Block Group 1	Census Tract 612.03	Minority
Block Group 2	Census Tract 701.02	Minority
Block Group 3	Census Tract 701.02	Minority
Block Group 1	Census Tract 701.03	Minority
Block Group 1	Census Tract 702.01	Minority, income and English isolation
Block Group 3	Census Tract 904	Minority and income
Block Group 2	Census Tract 906	Minority, income and English isolation
Block Group 2	Census Tract 907	Minority
Block Group 2	Census Tract 909.01	Minority and income
Block Group 3	Census Tract 911	Minority and income
Block Group 4	Census Tract 911	Minority
Block Group 5	Census Tract 911	Minority
Block Group 1	Census Tract 912	Minority
Block Group 2	Census Tract 912	Minority
Block Group 3	Census Tract 912	Minority

Block Group 2	Census Tract 702.01	Minority
Block Group 1	Census Tract 702.02	Minority, income and English isolation
Block Group 2	Census Tract 702.02	Minority, income and English isolation
Block Group 2	Census Tract 703.01	Minority
Block Group 1	Census Tract 703.02	Minority
Block Group 2	Census Tract 704.02	Minority, income and English isolation
Block Group 2	Census Tract 913	Minority and income
Block Group 1	Census Tract 915	Minority
Block Group 2	Census Tract 915	Minority and English isolation
Block Group 3	Census Tract 915	Minority and income
Block Group 1	Census Tract 913	Minority and income
Block Group 2	Census Tract 914	Minority and income
Block Group 1	Census Tract 914	Minority and income
Block Group 4	Census Tract 920	Minority and income
Block Group 1	Census Tract 921.01	Minority and English isolation
Block Group 2	Census Tract 705.01	Minority
Block Group 1	Census Tract 705.02	Minority
Block Group 1	Census Tract 708.01	Minority
Block Group 1	Census Tract 708.02	Minority
Block Group 2	Census Tract 708.02	Minority
Block Group 1	Census Tract 709.01	Minority, income and English isolation
Block Group 2	Census Tract 709.02	Minority
Block Group 1	Census Tract 916	Minority
Block Group 2	Census Tract 916	Minority
Block Group 3	Census Tract 916	Minority, income and English isolation
Block Group 1	Census Tract 917	Minority
Block Group 2	Census Tract 917	Minority and income
Block Group 1	Census Tract 1.01	Minority
Block Group 2	Census Tract 8.05	Minority and income
Block Group 1	Census Tract 711.01	Minority
Block Group 4	Census Tract 711.01	Minority
Block Group 2	Census Tract 712.01	Minority and income
Block Group 3	Census Tract 712.01	Minority
Block Group 4	Census Tract 712.01	Minority, income and English isolation
Block Group 3	Census Tract 917	Minority, income and English isolation
Block Group 1	Census Tract 918	Minority
Block Group 2	Census Tract 918	Minority and income
Block Group 3	Census Tract 918	Minority
Block Group 1	Census Tract 919	Minority and income
Block Group 1	Census Tract 704.02	Minority
Block Group 2	Census Tract 705.02	Minority, income and English isolation
Block Group 1	Census Tract 707	Minority and income
Block Group 2	Census Tract 707	Minority
Block Group 2	Census Tract 711.01	Minority
Block Group 1	Census Tract 709.02	Minority
Block Group 2	Census Tract 101.03	Minority
Block Group 1	Census Tract 801	Minority and income
Block Group 2	Census Tract 801	Minority and income
Block Group 1	Census Tract 803	Minority and income
Block Group 2	Census Tract 803	Minority and income
Block Group 3	Census Tract 919	Minority and income
Block Group 4	Census Tract 919	Minority and English isolation
Block Group 1	Census Tract 920	Minority, income and English isolation
Block Group 2	Census Tract 920	Minority
Block Group 3	Census Tract 920	Minority
Block Group 4	Census Tract 921.01	Minority, income and English isolation
Block Group 5	Census Tract 921.01	Minority
Block Group 3	Census Tract 921.01	Minority
Block Group 2	Census Tract 203.04	Minority
Block Group 3	Census Tract 304	English isolation
Block Group 1	Census Tract 804.01	Minority and income
Block Group 2	Census Tract 804.01	Minority, income and English isolation
Block Group 1	Census Tract 806.01	Minority and income
Block Group 1	Census Tract 809	Minority
Block Group 2	Census Tract 921.01	Minority and English isolation
Block Group 1	Census Tract 922	Minority
Block Group 2	Census Tract 922	Minority
Block Group 4	Census Tract 922	Minority and income
Block Group 1	Census Tract 906	Minority, income and English isolation
Block Group 1	Census Tract 907	Minority
Block Group 3	Census Tract 907	Minority
Block Group 4	Census Tract 907	Minority
Block Group 1	Census Tract 7.03	Minority and income
Block Group 2	Census Tract 8.04	Minority
Block Group 1	Census Tract 8.05	Minority
Block Group 3	Census Tract 8.05	Minority and income
Block Group 2	Census Tract 810.01	Minority and income
Block Group 4	Census Tract 810.01	Minority, income and English isolation
Block Group 5	Census Tract 810.01	Minority
Block Group 1	Census Tract 811.01	Minority
Block Group 1	Census Tract 805	Minority

Block Group 2	Census Tract 805	Minority, income and English isolation
Block Group 3	Census Tract 806.01	Minority, income and English isolation
Block Group 1	Census Tract 808.01	Minority and income
Block Group 2	Census Tract 8.06	Minority and income
Block Group 1	Census Tract 8.07	Minority
Block Group 1	Census Tract 101.04	Minority
Block Group 2	Census Tract 811.01	Minority
Block Group 1	Census Tract 811.02	Minority and income
Block Group 2	Census Tract 811.02	Minority and English isolation
Block Group 1	Census Tract 812	Minority
Block Group 3	Census Tract 101.04	Minority and income
Block Group 2	Census Tract 104.04	Minority and income
Block Group 3	Census Tract 104.04	Minority and income
Block Group 1	Census Tract 203.05	Minority
Block Group 1	Census Tract 404.01	Minority
Block Group 3	Census Tract 812	Minority and income
Block Group 1	Census Tract 813.01	Minority, income and English isolation
Block Group 2	Census Tract 813.01	Minority, income and English isolation
Block Group 1	Census Tract 813.02	Minority and income
Block Group 2	Census Tract 813.02	Minority
Block Group 2	Census Tract 511.01	Minority, income and English isolation
Block Group 1	Census Tract 909.01	Minority, income and English isolation
Block Group 2	Census Tract 910.01	Minority
Block Group 2	Census Tract 911	Minority
Block Group 1	Census Tract 910.01	Minority and English isolation
Block Group 1	Census Tract 406	Minority
Block Group 2	Census Tract 501.01	Minority, income and English isolation
Block Group 1	Census Tract 502	Minority
Block Group 2	Census Tract 502	Minority
Block Group 4	Census Tract 502	Minority and English isolation
Block Group 3	Census Tract 503	Minority, income and English isolation
Block Group 2	Census Tract 504	Minority
Block Group 1	Census Tract 408.01	Minority and income
Block Group 1	Census Tract 814	Minority and income
Block Group 2	Census Tract 814	Minority
Block Group 3	Census Tract 814	Minority and income
Block Group 4	Census Tract 814	Minority and income
Block Group 2	Census Tract 808.01	Minority and income
Block Group 1	Census Tract 512	Minority and English isolation
Block Group 2	Census Tract 512	Minority
Block Group 3	Census Tract 512	Minority
Block Group 1	Census Tract 819	Minority and income
Block Group 2	Census Tract 809	Minority
Block Group 3	Census Tract 809	Minority
Block Group 1	Census Tract 810.01	Minority
Block Group 3	Census Tract 810.01	Minority, income and English isolation
Block Group 1	Census Tract 815	Minority and income
Block Group 1	Census Tract 7.04	Minority
Block Group 2	Census Tract 7.04	Minority
Block Group 3	Census Tract 7.04	Minority
Block Group 4	Census Tract 7.04	Minority and income
Block Group 1	Census Tract 8.04	Minority and income
Block Group 4	Census Tract 1708	Minority
Block Group 3	Census Tract 1801.01	Income
Block Group 5	Census Tract 1707.02	Minority
Block Group 2	Census Tract 1708	Minority and income
Block Group 3	Census Tract 1708	Minority and income
Block Group 1	Census Tract 1707.01	Minority and income

Formulario de evaluación de justicia ambiental

Nombre del proyecto	Rehabilitación Estructural del Malecón de Piers Park II	
Fecha prevista de presentación ante MEPA	31 de marzo de 2025	
Nombre del proponente	Massachusetts Port Authority (Massport)	
Información de contacto (p. ej., consultor)	Brad Washburn, Massport bwashburn@massport.com 617-568-3546	Fiona Vardy, Foth Fiona.vardy@foth.com 508-762-0784
Sitio web público para el proyecto u otra ubicación física donde se pueden obtener materiales del proyecto (si está disponible)	No aplica	
Municipio y código postal del proyecto (si se conoce)	Boston, MA 02128	
Tipo de proyecto* (indique todos los que correspondan)	Infraestructura costera; Resiliencia	
¿Se encuentra el sitio del proyecto dentro de un terreno inundable dentro de 100 años mapeado por la FEMA? S/N/Se desconoce	Sí	
Emisiones estimadas de GEI de los espacios acondicionados (haga clic aquí para acceder a la herramienta de estimación de GEI)	No aplica	

Descripción del proyecto

<p>1. Proporcione una breve descripción del proyecto, incluido el tamaño total del sitio del proyecto y los pies cuadrados de los edificios y estructuras propuestos, si se conocen.</p> <p>El objetivo del muro de contención de piedra que se propone es reemplazar el malecón existente que se encuentra en la parte sur del recientemente construido Piers Park II ubicado en 95 Marginal Street, Boston, MA. El proyecto del muro de contención implicará la demolición del actual malecón y muelle sostenido por pilares, así como también la excavación y/o el dragado del relleno existente retenido por el malecón, además de una cantidad de material que se encuentra del lado del mar del malecón actual, según los requerimientos para construir el muro de contención de piedra.</p>
<p>2. Indique los niveles de revisión anticipada de MEPA (301 CMR 11.03) (si se conocen).</p> <p>301 CMR 11.03(3)(b)1.a. – Si se requiere un permiso: alteración de la duna costera, playa-barrera o franja costera</p> <p>301 CMR 11.03(3)(b)6 – Construcción, reconstrucción o ampliación de una estructura de relleno sólido de 1,000 pies cuadrados (sf, por sus siglas en inglés) o más.</p> <p>301 CMR 11.06(7)(b) – La Secretaría exigirá un EIR para cualquier proyecto que se encuentre dentro de un Área Geográfica Designada (DGA, por sus siglas en inglés) cercana a una Población de Justicia Ambiental</p>

3. Enumere todos los permisos estatales, locales y federales previstos necesarios para el proyecto (si se conocen).

Tabla 1 – Resumen de los Permisos y Autorizaciones Reglamentarias

Agencia Regulatoria	Ley / Autoridad	Permiso / Autorización
<i>Local</i>		
Comisión de Conservación de Boston	M.G.L. c. 131 §40	Orden de Condiciones (OOC, por sus siglas en inglés)
<i>Estatal</i>		
Oficina de la Ley de Política Ambiental de Massachusetts (MEPA, por sus siglas en inglés)	M.G.L. c. §§61-621	Certificado de la Secretaría de Energía y Asuntos Ambientales
Departamento de Protección Ambiental de Massachusetts (MassDEP, por sus siglas en inglés)	M.G.L. c. §§26-53 / Ley de Aguas Limpias 33 U.S.C. §1251 y subsiguientes	Certificación de la Calidad del Agua - Sección 401
<i>Federal</i>		
Cuerpo de Ingenieros del Ejército de los Estados Unidos (USACE, por sus siglas en inglés)	Ley de Aguas Limpias 33 U.S.C. 1344 §404	Notificación Previa a la Construcción
Gestión de Zonas Costeras (CZM, por sus siglas en inglés)	M.G.L. c 21A §§2-4A y subsiguientes	Revisión de Consistencia Federal (si se requiere)

4. Identifique las poblaciones y características de justicia ambiental (EJ) (minoría, ingresos, aislamiento inglés) dentro de las 5 millas del sitio del proyecto (puede adjuntar un mapa que identifique un radio de 5 millas desde la opción [Visor de mapas de EJ](#) en lugar de texto)

Consulte el mapa adjunto y el listado de Poblaciones de EJ que se encuentran en un radio de entre 1 y 5 millas del lugar.

5. Identifique cualquier municipio o sección censal que cumpla con la definición de “criterios de población de EJ con salud vulnerable” en la [Herramienta de EJ del Departamento de Salud Pública \(DPH\)](#) ubicado en su totalidad o en parte dentro de un radio de 1 milla del sitio del proyecto.

Los criterios de EJ con vulnerabilidad sanitaria que se encuentran dentro de un radio de 1 milla del lugar del proyecto incluyen: bajo peso al nacer, asma infantil y elevada prevalencia de plomo en sangre.

6. Identifique los potenciales impactos a corto y largo plazo sobre el ambiente y la salud pública que pueden afectar a las poblaciones de EJ y cualquier mitigación prevista.

El proyecto ofrecerá beneficios, tanto a corto como a largo plazo, para el medio ambiente y para la salud pública al proteger las áreas de recursos existentes y la infraestructura cercana. Esa protección es particularmente importante durante eventos de clima severo y en respuesta a los aumentos proyectados en el nivel del mar. El proyecto implementará medidas para prevenir la erosión, mantener la integridad de las áreas de recursos costeros y reducir el riesgo de inundación y otros problemas relacionados.

7. Identifique los beneficios del proyecto, incluidos los “beneficios ambientales”, tal como se definen en 301 CMR 11.02, que pueden mejorar las condiciones ambientales o la salud pública de la población de EJ.

El proyecto ofrecerá beneficios importantes al proteger los recursos costeros existentes y la infraestructura cercana. Las medidas inmediatas evitarán la erosión de las áreas de recursos existentes y resguardará las calzadas cercanas. Diseñado para soportar eventos de tormentas que ocurren cada 100 años, el proyecto ofrecerá protección a largo plazo contra tormentas intensas.

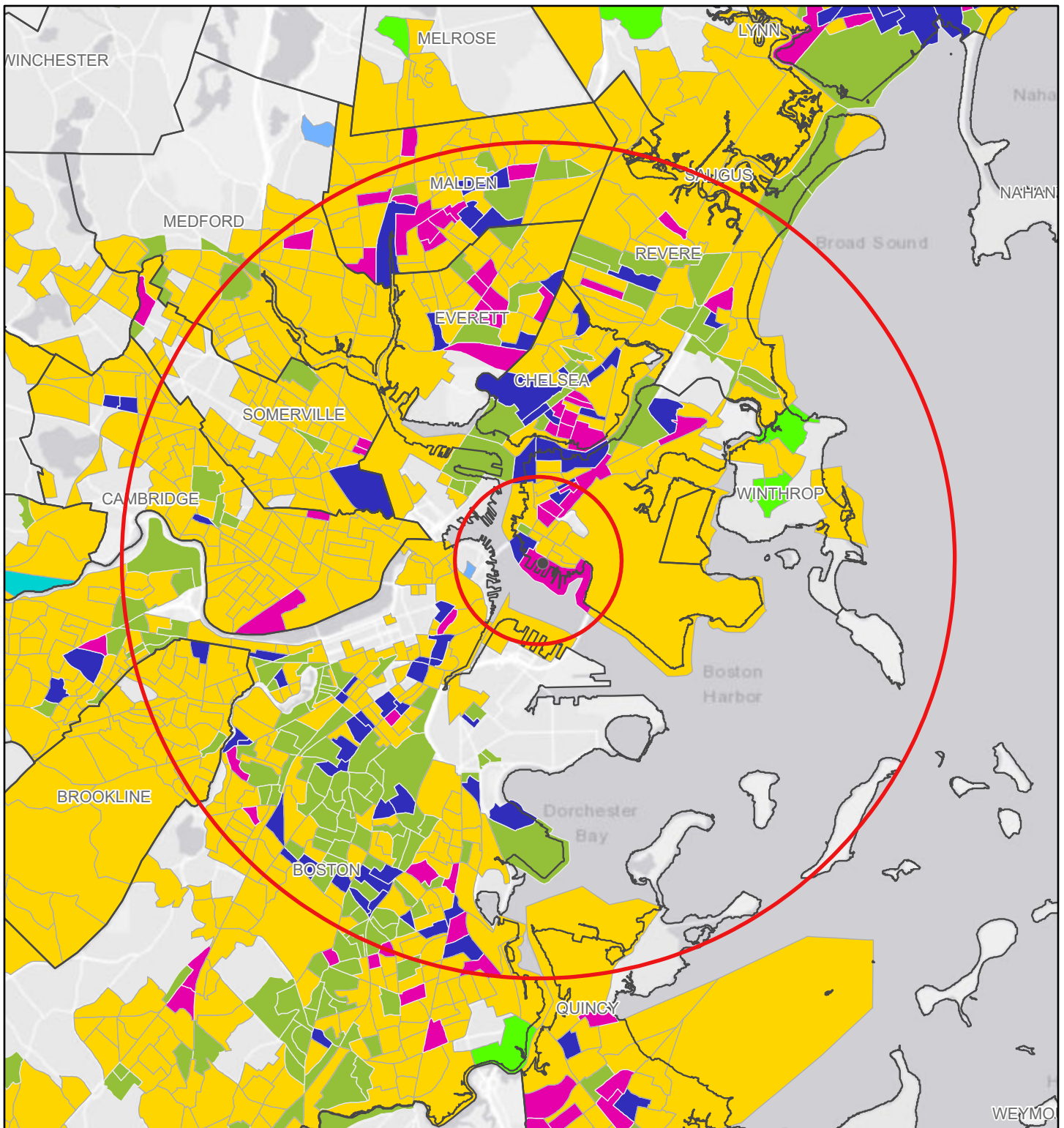
8. Describa cómo la comunidad puede solicitar una reunión para analizar el proyecto y cómo la comunidad puede solicitar servicios de interpretación de lenguaje oral en la reunión.
Especifique cómo solicitar otras adaptaciones, incluidas reuniones fuera del horario laboral y en lugares cercanos al transporte público.

Las partes interesadas que quieran solicitar una reunión, interpretación de idiomas o adaptaciones específicas pueden dirigirse al representante del proyecto para la comunicación con el público, Brad Washburn (Massport), por correo electrónico: bwashburn@massport.com

**Tipos de proyectos de MEPA [Nota: esta lista se puede omitir al distribuir este formulario].*

Artículo 97	Marihuana
Agricultura	Marina industrial
Aeropuerto	Plan maestro: desarrollo
Acuicultura/Mariscos	Plan maestro: plan de renovación urbana
Relleno de costas/playas	Otro (especifique)
Infraestructura costera	Recreación
Comercial: oficina/laboratorio/I+D	Regulaciones
Comercial: hotel	Remediación
Comercial: depósito	Residencial
Comercial: minorista	Resiliencia
Eliminación de represas	Residuos sólidos
Reparación/reemplazo de represas	Transporte: carreteras/tránsito
Dragado	Transporte: senderos
Restauración ecológica	Aguas residuales: tratamiento/transporte
Generación de energía	Aguas residuales: Plan integral de manejo de aguas residuales (CWMP)
Almacenamiento de energía	Suministro de agua: nueva fuente
Transporte de energía	Abastecimiento de agua: tratamiento/transporte
Industrial	
Institucional: educativo	

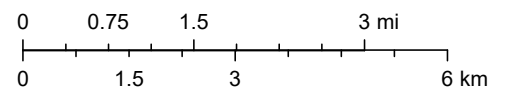
2020 Environmental Justice Neighborhoods



3/11/2025, 3:52:55 PM

1:144,448

- Override 1
- MA 2020 Environmental Justice Block Groups
- Minority: the block group minority population is $\geq 40\%$, or the block group minority population is $\geq 25\%$ and the median household income of the municipality the block group
- Income: at least 25% of households have a median household income 65% or less than the state median household income
- Language isolation: 25% or more of households do not include anyone older than 14 who speaks English very well
- Minority and Income
- Income and English isolation
- Minority, Income and English isolation



City of Boston, MassGIS, Esri, HERE, Garmin, USGS, EPA, NPS

5 Mile Radius		
Block Group 4	Census Tract 2081.02	Minority
Block Group 1	Census Tract 2081.02	Minority
Block Group 2	Census Tract 3424.02	Minority
Block Group 1	Census Tract 3503	Minority
Block Group 1	Census Tract 3510.01	Minority
Block Group 3	Census Tract 3510.01	Minority
Block Group 2	Census Tract 3512.03	Minority
Block Group 3	Census Tract 3513	Minority
Block Group 3	Census Tract 3512.04	Minority
Block Group 1	Census Tract 3594	Minority
Block Group 2	Census Tract 3503	Minority
Block Group 3	Census Tract 3503	Minority
Block Group 2	Census Tract 3508	Minority
Block Group 1	Census Tract 3513	Minority
Block Group 2	Census Tract 3513	Minority
Block Group 3	Census Tract 3514.03	Minority
Block Group 2	Census Tract 3514.04	Minority and income
Block Group 2	Census Tract 3594	Minority
Block Group 3	Census Tract 3594	Minority
Block Group 4	Census Tract 3594	Minority
Block Group 5	Census Tract 3594	Minority
Block Group 2	Census Tract 3510.01	Minority
Block Group 1	Census Tract 3511.01	Minority
Block Group 3	Census Tract 3511.01	Minority
Block Group 1	Census Tract 3511.02	Minority
Block Group 1	Census Tract 3512.03	Minority
Block Group 4	Census Tract 3512.03	Minority
Block Group 1	Census Tract 3515	Minority
Block Group 2	Census Tract 3515	Minority
Block Group 3	Census Tract 3515	Minority
Block Group 2	Census Tract 3538	Minority and income
Block Group 1	Census Tract 3512.04	Minority
Block Group 2	Census Tract 3512.04	Minority
Block Group 1	Census Tract 3514.03	Minority and English isolation
Block Group 2	Census Tract 3514.03	Minority
Block Group 4	Census Tract 3514.03	Minority
Block Group 5	Census Tract 3514.03	Minority and English isolation
Block Group 2	Census Tract 3521.01	Minority
Block Group 2	Census Tract 3530	Minority
Block Group 2	Census Tract 3531.02	Minority
Block Group 1	Census Tract 3521.02	Minority
Block Group 1	Census Tract 3523	Minority
Block Group 1	Census Tract 3514.04	Minority
Block Group 3	Census Tract 3514.04	Minority
Block Group 4	Census Tract 3514.04	Minority
Block Group 4	Census Tract 3515	Minority, income and English isolation
Block Group 1	Census Tract 3521.01	Minority
Block Group 3	Census Tract 3521.01	Minority
Block Group 2	Census Tract 3523	Minority
Block Group 1	Census Tract 3522	Minority
Block Group 1	Census Tract 3525	Minority
Block Group 2	Census Tract 3525	Minority
Block Group 2	Census Tract 3526	Minority
Block Group 2	Census Tract 3521.02	Minority
Block Group 3	Census Tract 3523	Minority
Block Group 1	Census Tract 3524	Minority
Block Group 1	Census Tract 3526	Minority
Block Group 2	Census Tract 3527	Minority and English isolation
Block Group 1	Census Tract 3529	Minority
Block Group 1	Census Tract 3527	Minority
Block Group 2	Census Tract 3529	Minority
Block Group 1	Census Tract 3528	Minority
Block Group 1	Census Tract 3545	Minority
Block Group 1	Census Tract 3532	Minority
Block Group 3	Census Tract 3532	Minority
Block Group 1	Census Tract 3530	Minority
Block Group 1	Census Tract 3531.01	Minority
Block Group 2	Census Tract 3531.01	Minority
Block Group 1	Census Tract 3531.02	Minority
Block Group 3	Census Tract 3533	Minority
Block Group 2	Census Tract 3536	Minority and income
Block Group 2	Census Tract 3533	Minority
Block Group 1	Census Tract 3539	Minority
Block Group 3	Census Tract 3531.02	Minority and English isolation
Block Group 2	Census Tract 3532	Minority
Block Group 4	Census Tract 3532	Minority
Block Group 1	Census Tract 3533	Minority
Block Group 2	Census Tract 3546.02	Minority
Block Group 1	Census Tract 3547	Minority
Block Group 2	Census Tract 3547	Minority

1 Mile Radius		
Block Group 1	Census Tract 9813	Minority
Block Group 3	Census Tract 501.01	Minority
Block Group 2	Census Tract 408.01	Minority and income
Block Group 3	Census Tract 502	Minority, income and English isolation
Block Group 1	Census Tract 503	Minority
Block Group 2	Census Tract 503	Minority and income
Block Group 1	Census Tract 504	Minority
Block Group 1	Census Tract 606.04	Minority
Block Group 1	Census Tract 505	Minority
Block Group 1	Census Tract 506	Minority and English isolation
Block Group 2	Census Tract 506	Minority
Block Group 1	Census Tract 507	Minority and English isolation
Block Group 2	Census Tract 507	Minority, income and English isolation
Block Group 3	Census Tract 507	Minority and English isolation
Block Group 1	Census Tract 509.01	Minority and English isolation
Block Group 2	Census Tract 509.01	Minority
Block Group 2	Census Tract 701.04	Minority
Block Group 1	Census Tract 303.02	Minority
Block Group 3	Census Tract 304	English isolation
Block Group 2	Census Tract 501.01	Minority, income and English isolation
Block Group 1	Census Tract 502	Minority
Block Group 2	Census Tract 502	Minority
Block Group 4	Census Tract 502	Minority and English isolation
Block Group 3	Census Tract 503	Minority, income and English isolation
Block Group 2	Census Tract 504	Minority
Block Group 1	Census Tract 512	Minority and English isolation
Block Group 2	Census Tract 512	Minority
Block Group 3	Census Tract 512	Minority

Block Group 1	Census Tract 3536	Minority
Block Group 3	Census Tract 3536	Minority
Block Group 2	Census Tract 3537	Minority
Block Group 3	Census Tract 3537	Minority
Block Group 4	Census Tract 3537	Minority, income and English isolation
Block Group 1	Census Tract 3548	Minority
Block Group 5	Census Tract 3537	Minority and income
Block Group 1	Census Tract 3538	Minority
Block Group 3	Census Tract 3538	Minority
Block Group 4	Census Tract 3538	Minority
Block Group 2	Census Tract 3539	Minority
Block Group 3	Census Tract 3539	Minority
Block Group 1	Census Tract 3540	Minority
Block Group 2	Census Tract 3540	Minority
Block Group 3	Census Tract 3540	Minority
Block Group 1	Census Tract 3541	Minority
Block Group 2	Census Tract 3541	Minority
Block Group 2	Census Tract 3544	Minority
Block Group 2	Census Tract 3545	Minority
Block Group 1	Census Tract 3546.02	Minority
Block Group 3	Census Tract 3546.02	Minority
Block Group 2	Census Tract 3548	Minority
Block Group 3	Census Tract 3550	Minority
Block Group 1	Census Tract 3416	Minority
Block Group 5	Census Tract 3416	Minority
Block Group 2	Census Tract 3417	Minority
Block Group 4	Census Tract 3417	Minority and income
Block Group 5	Census Tract 3417	Minority
Block Group 2	Census Tract 3395	Minority and income
Block Group 1	Census Tract 3396	Minority
Block Group 2	Census Tract 3396	Minority
Block Group 4	Census Tract 3415	Minority
Block Group 3	Census Tract 3416	Minority
Block Group 4	Census Tract 3416	Minority
Block Group 6	Census Tract 3416	Minority
Block Group 3	Census Tract 3396	Minority
Block Group 6	Census Tract 3396	Minority
Block Group 3	Census Tract 3397	Minority
Block Group 3	Census Tract 3398.02	Minority
Block Group 2	Census Tract 3398.04	Minority
Block Group 1	Census Tract 3399	Minority
Block Group 2	Census Tract 3399	Minority
Block Group 1	Census Tract 3397	Minority
Block Group 2	Census Tract 3397	Minority
Block Group 3	Census Tract 3417	Minority
Block Group 2	Census Tract 3416	Minority
Block Group 1	Census Tract 3417	Minority
Block Group 1	Census Tract 3418	Minority and English isolation
Block Group 1	Census Tract 3400	Minority
Block Group 2	Census Tract 3418	Minority and income
Block Group 3	Census Tract 3418	Minority
Block Group 4	Census Tract 3418	Minority, income and English isolation
Block Group 5	Census Tract 3418	Minority, income and English isolation
Block Group 6	Census Tract 3418	Minority, income and English isolation
Block Group 2	Census Tract 3398.02	Minority
Block Group 3	Census Tract 3422.02	Minority
Block Group 1	Census Tract 3423.01	Minority
Block Group 2	Census Tract 3423.01	Minority
Block Group 2	Census Tract 3423.02	Minority
Block Group 1	Census Tract 3424.01	Minority
Block Group 3	Census Tract 3424.01	Minority
Block Group 4	Census Tract 3399	Minority
Block Group 1	Census Tract 3391.01	Minority
Block Group 5	Census Tract 3396	Minority
Block Group 1	Census Tract 3421.01	Minority and income
Block Group 3	Census Tract 3421.01	Minority, income and English isolation
Block Group 2	Census Tract 3421.02	Minority
Block Group 3	Census Tract 3422.01	Minority and English isolation
Block Group 4	Census Tract 3422.01	Minority
Block Group 4	Census Tract 3397	Minority
Block Group 1	Census Tract 3501.06	Minority
Block Group 1	Census Tract 3501.07	Minority
Block Group 1	Census Tract 3501.08	Minority and income
Block Group 2	Census Tract 3501.08	Minority
Block Group 1	Census Tract 3398.02	Minority
Block Group 4	Census Tract 3398.02	Minority
Block Group 1	Census Tract 3398.04	Minority
Block Group 1	Census Tract 3501.09	Minority
Block Group 1	Census Tract 3502.01	Minority
Block Group 2	Census Tract 3502.01	Minority
Block Group 3	Census Tract 3502.01	Minority

Block Group 1	Census Tract 3502.02	Minority
Block Group 1	Census Tract 3398.03	Minority
Block Group 2	Census Tract 3398.03	Minority
Block Group 3	Census Tract 3398.04	Minority
Block Group 3	Census Tract 3399	Minority
Block Group 2	Census Tract 3422.02	Minority
Block Group 3	Census Tract 3423.02	Minority
Block Group 2	Census Tract 3425.01	Minority and income
Block Group 2	Census Tract 3424.01	Minority, income and English isolation
Block Group 5	Census Tract 3399	Minority and English isolation
Block Group 2	Census Tract 3400	Minority
Block Group 3	Census Tract 3400	Minority
Block Group 2	Census Tract 3419.01	Minority
Block Group 1	Census Tract 3419.03	Minority
Block Group 2	Census Tract 3419.03	Minority
Block Group 1	Census Tract 3419.04	Minority
Block Group 3	Census Tract 3401	Minority
Block Group 1	Census Tract 3411.01	Minority
Block Group 2	Census Tract 3502.02	Minority
Block Group 3	Census Tract 3502.02	Minority
Block Group 1	Census Tract 3506	Minority
Block Group 3	Census Tract 3391.01	Minority and income
Block Group 1	Census Tract 3411.02	Minority and English isolation
Block Group 2	Census Tract 3411.02	Minority
Block Group 1	Census Tract 3424.02	Minority
Block Group 3	Census Tract 3424.02	Minority and English isolation
Block Group 1	Census Tract 3425.01	Minority and English isolation
Block Group 1	Census Tract 3425.02	Minority and English isolation
Block Group 1	Census Tract 3412	Minority
Block Group 2	Census Tract 3412	Minority and English isolation
Block Group 3	Census Tract 3412	Minority
Block Group 1	Census Tract 3413.01	Minority, income and English isolation
Block Group 2	Census Tract 3413.01	Minority and English isolation
Block Group 2	Census Tract 3419.04	Minority and income
Block Group 2	Census Tract 3421.01	Minority
Block Group 4	Census Tract 3421.01	Minority and English isolation
Block Group 1	Census Tract 3421.02	Minority
Block Group 3	Census Tract 3413.01	Minority and income
Block Group 4	Census Tract 3413.01	Minority and English isolation
Block Group 1	Census Tract 3413.02	Minority
Block Group 1	Census Tract 3415	Minority
Block Group 1	Census Tract 3419.01	Minority
Block Group 3	Census Tract 3419.03	Minority
Block Group 1	Census Tract 3423.02	Minority
Block Group 3	Census Tract 3419.04	Minority and income
Block Group 3	Census Tract 3415	Minority
Block Group 4	Census Tract 3412	Minority
Block Group 5	Census Tract 3412	Minority
Block Group 1	Census Tract 3414	Minority and English isolation
Block Group 2	Census Tract 3414	Minority and English isolation
Block Group 2	Census Tract 3425.02	Minority
Block Group 1	Census Tract 3426	Minority
Block Group 2	Census Tract 3426	Minority, income and English isolation
Block Group 3	Census Tract 3426	Minority
Block Group 1	Census Tract 3501.05	Minority
Block Group 1	Census Tract 3395	Minority
Block Group 3	Census Tract 3414	Minority
Block Group 4	Census Tract 3414	Minority
Block Group 2	Census Tract 3415	Minority and English isolation
Block Group 5	Census Tract 3414	Minority
Block Group 5	Census Tract 3415	Minority and English isolation
Block Group 3	Census Tract 3421.02	Minority
Block Group 4	Census Tract 3421.02	Minority
Block Group 1	Census Tract 3422.01	Minority and income
Block Group 2	Census Tract 3422.01	Minority and English isolation
Block Group 1	Census Tract 3422.02	Minority and income
Block Group 2	Census Tract 7.03	Minority and income
Block Group 2	Census Tract 1.01	Minority
Block Group 2	Census Tract 4001	Minority
Block Group 1	Census Tract 4002.02	Minority, income and English isolation
Block Group 1	Census Tract 4003	Minority
Block Group 3	Census Tract 4005	Minority
Block Group 1	Census Tract 4001	Minority
Block Group 3	Census Tract 4001	Minority
Block Group 2	Census Tract 4007	Minority
Block Group 4	Census Tract 4001	Minority
Block Group 5	Census Tract 4001	Minority
Block Group 1	Census Tract 4002.01	Minority
Block Group 2	Census Tract 4002.02	Minority
Block Group 3	Census Tract 4007	Minority
Block Group 2	Census Tract 4008	Minority

Block Group 3	Census Tract 4008	Minority
Block Group 1	Census Tract 4009	Minority
Block Group 2	Census Tract 4003	Minority
Block Group 3	Census Tract 4009	Minority
Block Group 1	Census Tract 4010	Minority
Block Group 3	Census Tract 4003	Minority
Block Group 1	Census Tract 4004.01	Minority
Block Group 2	Census Tract 4004.01	Minority
Block Group 1	Census Tract 4008	Minority
Block Group 2	Census Tract 4005	Minority
Block Group 4	Census Tract 4005	Minority
Block Group 1	Census Tract 4007	Minority
Block Group 4	Census Tract 4008	Minority
Block Group 2	Census Tract 4009	Minority and income
Block Group 2	Census Tract 4010	Minority
Block Group 3	Census Tract 4010	Minority
Block Group 1	Census Tract 4173	Minority
Block Group 1	Census Tract 9813	Minority
Block Group 1	Census Tract 1006.03	Minority
Block Group 2	Census Tract 1006.03	Minority
Block Group 3	Census Tract 1605.01	Minority
Block Group 4	Census Tract 1605.01	Minority, income and English isolation
Block Group 5	Census Tract 1605.01	Minority and income
Block Group 1	Census Tract 1605.02	Minority, income and English isolation
Block Group 3	Census Tract 1605.02	Minority
Block Group 4	Census Tract 1605.02	Minority, income and English isolation
Block Group 1	Census Tract 1203.01	Minority
Block Group 1	Census Tract 1204	Minority
Block Group 4	Census Tract 1204	Minority
Block Group 5	Census Tract 1605.02	Minority
Block Group 3	Census Tract 1606.01	Minority
Block Group 4	Census Tract 1606.01	Minority
Block Group 5	Census Tract 1204	Minority
Block Group 1	Census Tract 1205	Minority
Block Group 2	Census Tract 1205	Minority and English isolation
Block Group 2	Census Tract 1207	Minority
Block Group 2	Census Tract 1606.02	Minority
Block Group 2	Census Tract 1603	Minority and income
Block Group 1	Census Tract 1604	Minority, income and English isolation
Block Group 2	Census Tract 1604	Minority, income and English isolation
Block Group 1	Census Tract 1606.01	Minority and income
Block Group 2	Census Tract 1606.01	Minority
Block Group 2	Census Tract 1704	Minority and income
Block Group 3	Census Tract 1704	Minority and income
Block Group 4	Census Tract 1704	Minority and English isolation
Block Group 1	Census Tract 1606.02	Minority
Block Group 4	Census Tract 1606.02	Minority, income and English isolation
Block Group 5	Census Tract 1606.02	Minority
Block Group 1	Census Tract 1701.01	Minority
Block Group 2	Census Tract 1701.01	Minority
Block Group 3	Census Tract 1701.01	Minority
Block Group 1	Census Tract 1701.02	Minority and English isolation
Block Group 2	Census Tract 1701.02	Minority
Block Group 3	Census Tract 1701.02	Minority
Block Group 4	Census Tract 1701.02	Minority and income
Block Group 1	Census Tract 1702	Minority and income
Block Group 2	Census Tract 1702	Minority, income and English isolation
Block Group 4	Census Tract 1702	Minority and income
Block Group 1	Census Tract 1706.01	Minority
Block Group 3	Census Tract 1706.01	Minority
Block Group 4	Census Tract 1706.01	Minority and income
Block Group 3	Census Tract 1707.02	Minority and income
Block Group 1	Census Tract 1703.01	Minority
Block Group 2	Census Tract 1703.01	Minority
Block Group 3	Census Tract 1703.01	Minority
Block Group 4	Census Tract 1703.01	Minority
Block Group 1	Census Tract 1703.02	Minority
Block Group 3	Census Tract 1703.02	Minority
Block Group 5	Census Tract 1704	Minority
Block Group 2	Census Tract 1705.02	Minority and income
Block Group 1	Census Tract 1705.03	Minority
Block Group 1	Census Tract 1705.04	Minority
Block Group 2	Census Tract 1705.04	Minority
Block Group 2	Census Tract 1706.01	Minority
Block Group 2	Census Tract 1203.01	Minority
Block Group 3	Census Tract 1203.01	Minority
Block Group 4	Census Tract 1203.01	Minority
Block Group 3	Census Tract 1205	Minority
Block Group 1	Census Tract 1206	Minority
Block Group 1	Census Tract 1601.02	Minority and English isolation
Block Group 2	Census Tract 1601.02	Minority and English isolation

Block Group 3	Census Tract 1601.02	Minority
Block Group 2	Census Tract 1707.01	Minority
Block Group 1	Census Tract 1707.02	Minority, income and English isolation
Block Group 2	Census Tract 1707.02	Minority and income
Block Group 4	Census Tract 1707.02	Minority and English isolation
Block Group 3	Census Tract 1606.02	Minority
Block Group 3	Census Tract 1702	Minority and income
Block Group 1	Census Tract 1704	Minority
Block Group 2	Census Tract 1206	Minority
Block Group 3	Census Tract 1206	Minority
Block Group 1	Census Tract 1207	Minority
Block Group 4	Census Tract 1601.02	Minority, income and English isolation
Block Group 1	Census Tract 1601.03	Minority and English isolation
Block Group 2	Census Tract 1601.03	Minority and English isolation
Block Group 3	Census Tract 1601.03	Minority
Block Group 4	Census Tract 1601.03	Minority and English isolation
Block Group 1	Census Tract 1602	Minority and English isolation
Block Group 2	Census Tract 1602	Minority, income and English isolation
Block Group 3	Census Tract 1602	Minority and English isolation
Block Group 1	Census Tract 1708	Minority
Block Group 4	Census Tract 1801.01	Minority
Block Group 1	Census Tract 1802	Minority
Block Group 2	Census Tract 1802	Income
Block Group 4	Census Tract 1602	Minority and income
Block Group 1	Census Tract 1603	Minority
Block Group 3	Census Tract 1604	Minority
Block Group 4	Census Tract 1604	Minority and income
Block Group 1	Census Tract 1605.01	Minority
Block Group 2	Census Tract 1605.01	Minority and income
Block Group 3	Census Tract 1802	Income
Block Group 1	Census Tract 1805	Minority
Block Group 3	Census Tract 1805	Minority
Block Group 1	Census Tract 9803	Minority
Block Group 1	Census Tract 8.06	Minority and income
Block Group 1	Census Tract 101.03	Minority, income and English isolation
Block Group 3	Census Tract 101.03	Minority
Block Group 2	Census Tract 101.04	Minority
Block Group 1	Census Tract 102.04	Minority and income
Block Group 2	Census Tract 102.04	Minority
Block Group 3	Census Tract 102.04	Minority and income
Block Group 1	Census Tract 102.05	Minority
Block Group 2	Census Tract 102.05	Minority
Block Group 3	Census Tract 102.05	Minority and income
Block Group 1	Census Tract 911	Minority
Block Group 2	Census Tract 812	Minority and income
Block Group 5	Census Tract 817	Minority and income
Block Group 2	Census Tract 919	Minority and income
Block Group 1	Census Tract 712.01	Minority
Block Group 4	Census Tract 102.05	Minority, income and English isolation
Block Group 1	Census Tract 102.06	Minority
Block Group 2	Census Tract 102.06	Minority and income
Block Group 1	Census Tract 103	Minority and income
Block Group 2	Census Tract 103	Minority
Block Group 1	Census Tract 501.01	Minority
Block Group 3	Census Tract 501.01	Minority
Block Group 2	Census Tract 408.01	Minority and income
Block Group 3	Census Tract 502	Minority, income and English isolation
Block Group 1	Census Tract 503	Minority
Block Group 2	Census Tract 503	Minority and income
Block Group 1	Census Tract 504	Minority
Block Group 1	Census Tract 817	Minority and income
Block Group 2	Census Tract 817	Minority and income
Block Group 4	Census Tract 817	Minority and income
Block Group 1	Census Tract 818	Minority and income
Block Group 2	Census Tract 818	Minority
Block Group 2	Census Tract 806.01	Minority and income
Block Group 1	Census Tract 606.04	Minority
Block Group 3	Census Tract 610	Minority and income
Block Group 2	Census Tract 611.01	Minority, income and English isolation
Block Group 1	Census Tract 611.01	Minority and income
Block Group 1	Census Tract 104.03	Minority and income
Block Group 2	Census Tract 104.03	Minority and income
Block Group 3	Census Tract 104.03	Minority
Block Group 1	Census Tract 104.04	Minority
Block Group 4	Census Tract 104.04	Minority and income
Block Group 1	Census Tract 104.05	Minority
Block Group 1	Census Tract 505	Minority
Block Group 1	Census Tract 506	Minority and English isolation
Block Group 2	Census Tract 506	Minority
Block Group 1	Census Tract 507	Minority and English isolation
Block Group 2	Census Tract 507	Minority, income and English isolation

Block Group 3	Census Tract 509.01	Minority, income and English isolation
Block Group 3	Census Tract 818	Minority and income
Block Group 2	Census Tract 819	Minority and income
Block Group 3	Census Tract 819	Minority
Block Group 4	Census Tract 819	Minority, income and English isolation
Block Group 3	Census Tract 820	Minority and income
Block Group 1	Census Tract 821	Minority, income and English isolation
Block Group 4	Census Tract 910.01	Minority
Block Group 1	Census Tract 701.04	Minority
Block Group 2	Census Tract 104.05	Minority and income
Block Group 3	Census Tract 104.05	Minority, income and English isolation
Block Group 1	Census Tract 104.08	Minority
Block Group 1	Census Tract 105	Minority and income
Block Group 2	Census Tract 105	Minority, income and English isolation
Block Group 3	Census Tract 105	Minority
Block Group 1	Census Tract 510	Minority
Block Group 3	Census Tract 507	Minority and English isolation
Block Group 1	Census Tract 509.01	Minority and English isolation
Block Group 2	Census Tract 509.01	Minority
Block Group 2	Census Tract 821	Minority
Block Group 3	Census Tract 821	Minority and income
Block Group 1	Census Tract 901	Minority and income
Block Group 2	Census Tract 901	Minority and income
Block Group 3	Census Tract 901	Minority
Block Group 2	Census Tract 701.04	Minority
Block Group 3	Census Tract 701.04	Minority and English isolation
Block Group 1	Census Tract 701.02	Minority, income and English isolation
Block Group 3	Census Tract 711.01	Minority and English isolation
Block Group 3	Census Tract 703.02	Minority
Block Group 1	Census Tract 106	Minority
Block Group 2	Census Tract 106	Minority
Block Group 3	Census Tract 106	Minority
Block Group 1	Census Tract 107.01	Minority
Block Group 1	Census Tract 108.01	Minority
Block Group 1	Census Tract 202	Minority
Block Group 2	Census Tract 202	Minority
Block Group 2	Census Tract 510	Minority and income
Block Group 3	Census Tract 510	Minority
Block Group 1	Census Tract 511.01	Minority and English isolation
Block Group 3	Census Tract 511.01	Minority
Block Group 4	Census Tract 901	Minority and income
Block Group 1	Census Tract 902	Minority, income and English isolation
Block Group 2	Census Tract 902	Minority, income and English isolation
Block Group 3	Census Tract 902	Minority and income
Block Group 2	Census Tract 815	Minority
Block Group 3	Census Tract 817	Minority and income
Block Group 1	Census Tract 820	Minority
Block Group 2	Census Tract 820	Minority and income
Block Group 4	Census Tract 904	Minority
Block Group 1	Census Tract 203.01	Minority
Block Group 1	Census Tract 203.04	Minority
Block Group 2	Census Tract 203.05	Minority
Block Group 4	Census Tract 511.01	Minority
Block Group 2	Census Tract 606.04	Minority
Block Group 1	Census Tract 607	Minority and income
Block Group 2	Census Tract 607	Minority, income and English isolation
Block Group 2	Census Tract 610	Minority and income
Block Group 1	Census Tract 903	Minority, income and English isolation
Block Group 2	Census Tract 903	Minority, income and English isolation
Block Group 3	Census Tract 903	Minority and income
Block Group 1	Census Tract 904	Minority
Block Group 2	Census Tract 904	Minority
Block Group 1	Census Tract 303.02	Minority
Block Group 1	Census Tract 402	Minority and income
Block Group 2	Census Tract 402	Minority
Block Group 1	Census Tract 403	Minority
Block Group 1	Census Tract 612.03	Minority
Block Group 2	Census Tract 701.02	Minority
Block Group 3	Census Tract 701.02	Minority
Block Group 1	Census Tract 701.03	Minority
Block Group 1	Census Tract 702.01	Minority, income and English isolation
Block Group 3	Census Tract 904	Minority and income
Block Group 2	Census Tract 906	Minority, income and English isolation
Block Group 2	Census Tract 907	Minority
Block Group 2	Census Tract 909.01	Minority and income
Block Group 3	Census Tract 911	Minority and income
Block Group 4	Census Tract 911	Minority
Block Group 5	Census Tract 911	Minority
Block Group 1	Census Tract 912	Minority
Block Group 2	Census Tract 912	Minority
Block Group 3	Census Tract 912	Minority

Block Group 2	Census Tract 702.01	Minority
Block Group 1	Census Tract 702.02	Minority, income and English isolation
Block Group 2	Census Tract 702.02	Minority, income and English isolation
Block Group 2	Census Tract 703.01	Minority
Block Group 1	Census Tract 703.02	Minority
Block Group 2	Census Tract 704.02	Minority, income and English isolation
Block Group 2	Census Tract 913	Minority and income
Block Group 1	Census Tract 915	Minority
Block Group 2	Census Tract 915	Minority and English isolation
Block Group 3	Census Tract 915	Minority and income
Block Group 1	Census Tract 913	Minority and income
Block Group 2	Census Tract 914	Minority and income
Block Group 1	Census Tract 914	Minority and income
Block Group 4	Census Tract 920	Minority and income
Block Group 1	Census Tract 921.01	Minority and English isolation
Block Group 2	Census Tract 705.01	Minority
Block Group 1	Census Tract 705.02	Minority
Block Group 1	Census Tract 708.01	Minority
Block Group 1	Census Tract 708.02	Minority
Block Group 2	Census Tract 708.02	Minority
Block Group 1	Census Tract 709.01	Minority, income and English isolation
Block Group 2	Census Tract 709.02	Minority
Block Group 1	Census Tract 916	Minority
Block Group 2	Census Tract 916	Minority
Block Group 3	Census Tract 916	Minority, income and English isolation
Block Group 1	Census Tract 917	Minority
Block Group 2	Census Tract 917	Minority and income
Block Group 1	Census Tract 1.01	Minority
Block Group 2	Census Tract 8.05	Minority and income
Block Group 1	Census Tract 711.01	Minority
Block Group 4	Census Tract 711.01	Minority
Block Group 2	Census Tract 712.01	Minority and income
Block Group 3	Census Tract 712.01	Minority
Block Group 4	Census Tract 712.01	Minority, income and English isolation
Block Group 3	Census Tract 917	Minority, income and English isolation
Block Group 1	Census Tract 918	Minority
Block Group 2	Census Tract 918	Minority and income
Block Group 3	Census Tract 918	Minority
Block Group 1	Census Tract 919	Minority and income
Block Group 1	Census Tract 704.02	Minority
Block Group 2	Census Tract 705.02	Minority, income and English isolation
Block Group 1	Census Tract 707	Minority and income
Block Group 2	Census Tract 707	Minority
Block Group 2	Census Tract 711.01	Minority
Block Group 1	Census Tract 709.02	Minority
Block Group 2	Census Tract 101.03	Minority
Block Group 1	Census Tract 801	Minority and income
Block Group 2	Census Tract 801	Minority and income
Block Group 1	Census Tract 803	Minority and income
Block Group 2	Census Tract 803	Minority and income
Block Group 3	Census Tract 919	Minority and income
Block Group 4	Census Tract 919	Minority and English isolation
Block Group 1	Census Tract 920	Minority, income and English isolation
Block Group 2	Census Tract 920	Minority
Block Group 3	Census Tract 920	Minority
Block Group 4	Census Tract 921.01	Minority, income and English isolation
Block Group 5	Census Tract 921.01	Minority
Block Group 3	Census Tract 921.01	Minority
Block Group 2	Census Tract 203.04	Minority
Block Group 3	Census Tract 304	English isolation
Block Group 1	Census Tract 804.01	Minority and income
Block Group 2	Census Tract 804.01	Minority, income and English isolation
Block Group 1	Census Tract 806.01	Minority and income
Block Group 1	Census Tract 809	Minority
Block Group 2	Census Tract 921.01	Minority and English isolation
Block Group 1	Census Tract 922	Minority
Block Group 2	Census Tract 922	Minority
Block Group 4	Census Tract 922	Minority and income
Block Group 1	Census Tract 906	Minority, income and English isolation
Block Group 1	Census Tract 907	Minority
Block Group 3	Census Tract 907	Minority
Block Group 4	Census Tract 907	Minority
Block Group 1	Census Tract 7.03	Minority and income
Block Group 2	Census Tract 8.04	Minority
Block Group 1	Census Tract 8.05	Minority
Block Group 3	Census Tract 8.05	Minority and income
Block Group 2	Census Tract 810.01	Minority and income
Block Group 4	Census Tract 810.01	Minority, income and English isolation
Block Group 5	Census Tract 810.01	Minority
Block Group 1	Census Tract 811.01	Minority
Block Group 1	Census Tract 805	Minority

Block Group 2	Census Tract 805	Minority, income and English isolation
Block Group 3	Census Tract 806.01	Minority, income and English isolation
Block Group 1	Census Tract 808.01	Minority and income
Block Group 2	Census Tract 8.06	Minority and income
Block Group 1	Census Tract 8.07	Minority
Block Group 1	Census Tract 101.04	Minority
Block Group 2	Census Tract 811.01	Minority
Block Group 1	Census Tract 811.02	Minority and income
Block Group 2	Census Tract 811.02	Minority and English isolation
Block Group 1	Census Tract 812	Minority
Block Group 3	Census Tract 101.04	Minority and income
Block Group 2	Census Tract 104.04	Minority and income
Block Group 3	Census Tract 104.04	Minority and income
Block Group 1	Census Tract 203.05	Minority
Block Group 1	Census Tract 404.01	Minority
Block Group 3	Census Tract 812	Minority and income
Block Group 1	Census Tract 813.01	Minority, income and English isolation
Block Group 2	Census Tract 813.01	Minority, income and English isolation
Block Group 1	Census Tract 813.02	Minority and income
Block Group 2	Census Tract 813.02	Minority
Block Group 2	Census Tract 511.01	Minority, income and English isolation
Block Group 1	Census Tract 909.01	Minority, income and English isolation
Block Group 2	Census Tract 910.01	Minority
Block Group 2	Census Tract 911	Minority
Block Group 1	Census Tract 910.01	Minority and English isolation
Block Group 1	Census Tract 406	Minority
Block Group 2	Census Tract 501.01	Minority, income and English isolation
Block Group 1	Census Tract 502	Minority
Block Group 2	Census Tract 502	Minority
Block Group 4	Census Tract 502	Minority and English isolation
Block Group 3	Census Tract 503	Minority, income and English isolation
Block Group 2	Census Tract 504	Minority
Block Group 1	Census Tract 408.01	Minority and income
Block Group 1	Census Tract 814	Minority and income
Block Group 2	Census Tract 814	Minority
Block Group 3	Census Tract 814	Minority and income
Block Group 4	Census Tract 814	Minority and income
Block Group 2	Census Tract 808.01	Minority and income
Block Group 1	Census Tract 512	Minority and English isolation
Block Group 2	Census Tract 512	Minority
Block Group 3	Census Tract 512	Minority
Block Group 1	Census Tract 819	Minority and income
Block Group 2	Census Tract 809	Minority
Block Group 3	Census Tract 809	Minority
Block Group 1	Census Tract 810.01	Minority
Block Group 3	Census Tract 810.01	Minority, income and English isolation
Block Group 1	Census Tract 815	Minority and income
Block Group 1	Census Tract 7.04	Minority
Block Group 2	Census Tract 7.04	Minority
Block Group 3	Census Tract 7.04	Minority
Block Group 4	Census Tract 7.04	Minority and income
Block Group 1	Census Tract 8.04	Minority and income
Block Group 4	Census Tract 1708	Minority
Block Group 3	Census Tract 1801.01	Income
Block Group 5	Census Tract 1707.02	Minority
Block Group 2	Census Tract 1708	Minority and income
Block Group 3	Census Tract 1708	Minority and income
Block Group 1	Census Tract 1707.01	Minority and income

环境正义筛查表

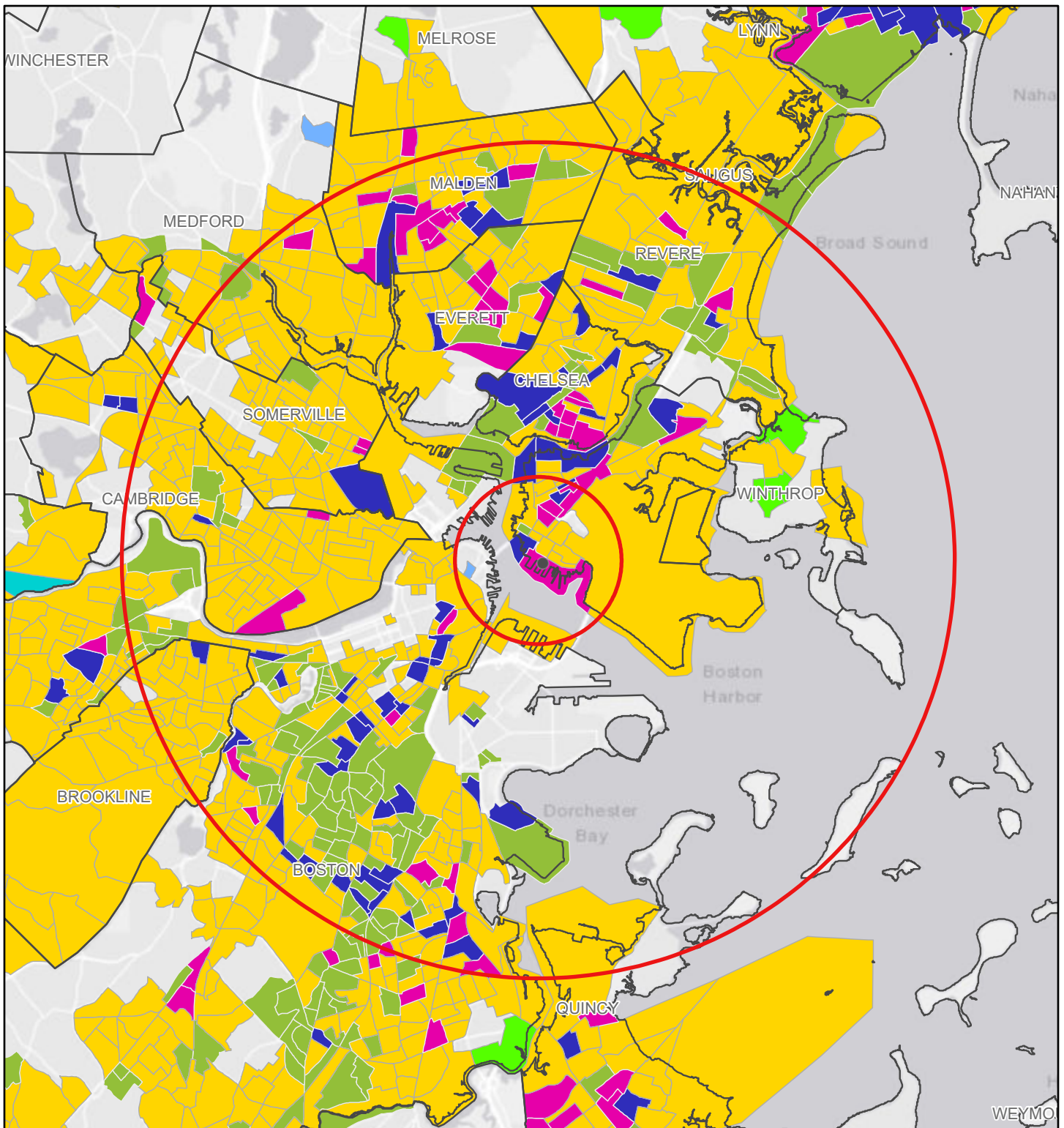
项目名称	Piers Park II 海堤结构修复	
预计在 MEPA 备案日期	2025 年 3 月 31 日	
支持者姓名	马萨诸塞州港务局（简称“Massport”）	
联系人信息（例如顾问）	Brad Washburn, Massport bwashburn@massport.com 617-568-3546	Fiona Vardy, Foth Fiona.vardy@foth.com 508-762-0784
有关项目的公共网站或可以获得项目相关资料的其他实际地点（如有）	无	
项目所在的市镇和邮政编码（如知道）	Boston, MA 02128	
项目类型*（请列出所有适用的项目）	沿海基础设施；复原力	
项目地点是否在百年 FEMA 洪灾平原区地图范围内？是/否/未知	是	
空调空间的温室气体排放量估算（ 点击此处获取温室气体估算工具 ）	不适用	

有关项目的描述

<p>1. 提供简短的项目描述，包括项目场地的总体规模以及拟建建筑物和结构的平方英尺（如知道）。</p> <p>拟建的石质护岸旨在取代位于马萨诸塞州波士顿 Marginal 街 95 号新建的 Piers Park II 南端的现有海堤。护岸项目将需要拆除现有海堤和桩支撑码头，挖掘和/或疏浚墙体保留的现有填土以及现有墙体下靠海一侧的部分材料，这是建造石质护岸所需要完成的工作。</p>											
<p>2. 列出预期的 MEPA 审查阈值（根据 301 CMR 11.03 规定）（如知道）</p> <p>301 CMR 11.03(3)(b)1.a. – 前提是需要许可证：改造沿海沙丘、屏障海滩或沿海堤坝 301 CMR 11.03(3)(b)6 – 建造、重建或扩建现有 1,000 平方英尺或以上的固体填充结构 301 CMR 11.06(7)(b) – 部长须要求位于环境正义人口周围指定地理区域（DGA）内的任何项目提交环境影响报告（EIR）</p>											
<p>3. 列出项目所在州、地方和联邦预期需要的许可证（如知道）</p> <p style="text-align: center;">表 1 – 监管许可和授权摘要</p> <table border="1" style="width: 100%; border-collapse: collapse; margin-top: 10px;"> <thead> <tr> <th style="width: 33%;">监管机构</th><th style="width: 33%;">法令/主管当局</th><th style="width: 33%;">许可/授权</th></tr> </thead> <tbody> <tr> <td colspan="3"><i>地方政府</i></td></tr> <tr> <td>波士顿保护委员会</td><td>《马萨诸塞州普通法》第 c 篇第 131 节第 40 款</td><td>条件命令（OOC）</td></tr> </tbody> </table>			监管机构	法令/主管当局	许可/授权	<i>地方政府</i>			波士顿保护委员会	《马萨诸塞州普通法》第 c 篇第 131 节第 40 款	条件命令（OOC）
监管机构	法令/主管当局	许可/授权									
<i>地方政府</i>											
波士顿保护委员会	《马萨诸塞州普通法》第 c 篇第 131 节第 40 款	条件命令（OOC）									

州政府		
《马萨诸塞州环境政策法案》 (MEPA) 办公室	《马萨诸塞州普通法》第 c 篇第 61-621 款	能源与环境事务部长认证
马萨诸塞州环境保护部 (MassDEP)	《马萨诸塞州普通法》第 c 篇第 26-53 款/《美国法典》第 33 篇 《清洁水法案》第 1251 款及后 续条款	第 401 条水质认证
联邦政府		
美国陆军工程兵团 (USACE)	《美国法典》第 33 篇《清洁水法 案》第 1344 节第 404 款	施工前通知
沿海区管理部 (CZM)	《马萨诸塞州普通法》第 c 篇第 21A 节第 2-4A 款及后续条款	联邦一致性审查 (如要求)
<p>4. 请指认项目现场 5 英里内的环境正义人口和特征 (少数民族、收入、英语隔离) (可附上环境正义地图查看工具 5 英里半径的地图, 并指认来代替需要的叙述)</p> <p>请参阅随附地图和该场地 1 英里至 5 英里范围内的环境正义人口列表。</p>		
<p>5. 在公共卫生部 (DPH) 环境正文工具中确定全部或部分位于项目场地 1 英里半径内的任何符合“弱势健康环境正文标准”定义的城市或人口普查区</p> <p>项目场地 1 英里范围内的弱势健康环境正义标准包括: 低出生体重、儿童哮喘和高血铅患病率</p>		
<p>6. 请确定可能影响环境正义人口的潜在短期和长期环境和公共卫生影响以及任何预期的缓解措施</p> <p>该项目将通过保护现有资源区和邻近基础设施, 带来短期和长期的环境和公共卫生效益。这种保护在恶劣天气事件期间以及应对预计的海平面上升时尤为重要。该项目将采取措施防止侵蚀, 维护沿海资源区的完整性, 并降低洪水和其他相关问题的风险。</p>		
<p>7. 请确定项目益处, 包括 301 CMR 11.02 中定义的“环境效益”, 这可能会改善环境正义人口的环境条件或公共健康</p> <p>该项目将通过保护现有的沿海资源和邻近基础设施带来重大益处。立即采取的措施将防止现有资源区受到侵蚀, 并保护邻近的道路。该项目的设计可抵御百年一遇的风暴事件, 将提供长期保护, 抵御猛烈的风暴。</p>		
<p>8. 描述社区如何要求召开会议讨论项目, 以及社区如何在会议上要求口语翻译服务。请指定如何要求获得其他通融条件, 包括在工作时间后和在公共交通附近的地点开会。</p> <p>有意申请召开会议、获得语言翻译或特定通融措施的相关人士, 欢迎通过电子邮件 bwashburn@massport.com 联系该项目公共宣传联系人 Brad Washburn (Massport)。</p>		

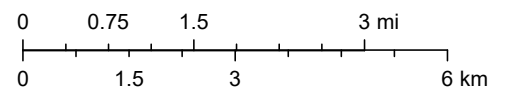
2020 Environmental Justice Neighborhoods



3/11/2025, 3:52:55 PM

1:144,448

- Override 1
- MA 2020 Environmental Justice Block Groups
- Minority: the block group minority population is $\geq 40\%$, or the block group minority population is $\geq 25\%$ and the median household income of the municipality the block group
- Income: at least 25% of households have a median household income 65% or less than the state median household income
- Language isolation: 25% or more of households do not include anyone older than 14 who speaks English very well
- Minority and Income
- Income and English isolation
- Minority, Income and English isolation



City of Boston, MassGIS, Esri, HERE, Garmin, USGS, EPA, NPS

5 Mile Radius		
Block Group 4	Census Tract 2081.02	Minority
Block Group 1	Census Tract 2081.02	Minority
Block Group 2	Census Tract 3424.02	Minority
Block Group 1	Census Tract 3503	Minority
Block Group 1	Census Tract 3510.01	Minority
Block Group 3	Census Tract 3510.01	Minority
Block Group 2	Census Tract 3512.03	Minority
Block Group 3	Census Tract 3513	Minority
Block Group 3	Census Tract 3512.04	Minority
Block Group 1	Census Tract 3594	Minority
Block Group 2	Census Tract 3503	Minority
Block Group 3	Census Tract 3503	Minority
Block Group 2	Census Tract 3508	Minority
Block Group 1	Census Tract 3513	Minority
Block Group 2	Census Tract 3513	Minority
Block Group 3	Census Tract 3514.03	Minority
Block Group 2	Census Tract 3514.04	Minority and income
Block Group 2	Census Tract 3594	Minority
Block Group 3	Census Tract 3594	Minority
Block Group 4	Census Tract 3594	Minority
Block Group 5	Census Tract 3594	Minority
Block Group 2	Census Tract 3510.01	Minority
Block Group 1	Census Tract 3511.01	Minority
Block Group 3	Census Tract 3511.01	Minority
Block Group 1	Census Tract 3511.02	Minority
Block Group 1	Census Tract 3512.03	Minority
Block Group 4	Census Tract 3512.03	Minority
Block Group 1	Census Tract 3515	Minority
Block Group 2	Census Tract 3515	Minority
Block Group 3	Census Tract 3515	Minority
Block Group 2	Census Tract 3538	Minority and income
Block Group 1	Census Tract 3512.04	Minority
Block Group 2	Census Tract 3512.04	Minority
Block Group 1	Census Tract 3514.03	Minority and English isolation
Block Group 2	Census Tract 3514.03	Minority
Block Group 4	Census Tract 3514.03	Minority
Block Group 5	Census Tract 3514.03	Minority and English isolation
Block Group 2	Census Tract 3521.01	Minority
Block Group 2	Census Tract 3530	Minority
Block Group 2	Census Tract 3531.02	Minority
Block Group 1	Census Tract 3521.02	Minority
Block Group 1	Census Tract 3523	Minority
Block Group 1	Census Tract 3514.04	Minority
Block Group 3	Census Tract 3514.04	Minority
Block Group 4	Census Tract 3514.04	Minority
Block Group 4	Census Tract 3515	Minority, income and English isolation
Block Group 1	Census Tract 3521.01	Minority
Block Group 3	Census Tract 3521.01	Minority
Block Group 2	Census Tract 3523	Minority
Block Group 1	Census Tract 3522	Minority
Block Group 1	Census Tract 3525	Minority
Block Group 2	Census Tract 3525	Minority
Block Group 2	Census Tract 3526	Minority
Block Group 2	Census Tract 3521.02	Minority
Block Group 3	Census Tract 3523	Minority
Block Group 1	Census Tract 3524	Minority
Block Group 1	Census Tract 3526	Minority
Block Group 2	Census Tract 3527	Minority and English isolation
Block Group 1	Census Tract 3529	Minority
Block Group 1	Census Tract 3527	Minority
Block Group 2	Census Tract 3529	Minority
Block Group 1	Census Tract 3528	Minority
Block Group 1	Census Tract 3545	Minority
Block Group 1	Census Tract 3532	Minority
Block Group 3	Census Tract 3532	Minority
Block Group 1	Census Tract 3530	Minority
Block Group 1	Census Tract 3531.01	Minority
Block Group 2	Census Tract 3531.01	Minority
Block Group 1	Census Tract 3531.02	Minority
Block Group 3	Census Tract 3533	Minority
Block Group 2	Census Tract 3536	Minority and income
Block Group 2	Census Tract 3533	Minority
Block Group 1	Census Tract 3539	Minority
Block Group 3	Census Tract 3531.02	Minority and English isolation
Block Group 2	Census Tract 3532	Minority
Block Group 4	Census Tract 3532	Minority
Block Group 1	Census Tract 3533	Minority
Block Group 2	Census Tract 3546.02	Minority
Block Group 1	Census Tract 3547	Minority
Block Group 2	Census Tract 3547	Minority

1 Mile Radius		
Block Group 1	Census Tract 9813	Minority
Block Group 3	Census Tract 501.01	Minority
Block Group 2	Census Tract 408.01	Minority and income
Block Group 3	Census Tract 502	Minority, income and English isolation
Block Group 1	Census Tract 503	Minority
Block Group 2	Census Tract 503	Minority and income
Block Group 1	Census Tract 504	Minority
Block Group 1	Census Tract 606.04	Minority
Block Group 1	Census Tract 505	Minority
Block Group 1	Census Tract 506	Minority and English isolation
Block Group 2	Census Tract 506	Minority
Block Group 1	Census Tract 507	Minority and English isolation
Block Group 2	Census Tract 507	Minority, income and English isolation
Block Group 3	Census Tract 507	Minority and English isolation
Block Group 1	Census Tract 509.01	Minority and English isolation
Block Group 2	Census Tract 509.01	Minority
Block Group 2	Census Tract 701.04	Minority
Block Group 1	Census Tract 303.02	Minority
Block Group 3	Census Tract 304	English isolation
Block Group 2	Census Tract 501.01	Minority, income and English isolation
Block Group 1	Census Tract 502	Minority
Block Group 2	Census Tract 502	Minority
Block Group 4	Census Tract 502	Minority and English isolation
Block Group 3	Census Tract 503	Minority, income and English isolation
Block Group 2	Census Tract 504	Minority
Block Group 1	Census Tract 512	Minority and English isolation
Block Group 2	Census Tract 512	Minority
Block Group 3	Census Tract 512	Minority

Block Group 1	Census Tract 3536	Minority
Block Group 3	Census Tract 3536	Minority
Block Group 2	Census Tract 3537	Minority
Block Group 3	Census Tract 3537	Minority
Block Group 4	Census Tract 3537	Minority, income and English isolation
Block Group 1	Census Tract 3548	Minority
Block Group 5	Census Tract 3537	Minority and income
Block Group 1	Census Tract 3538	Minority
Block Group 3	Census Tract 3538	Minority
Block Group 4	Census Tract 3538	Minority
Block Group 2	Census Tract 3539	Minority
Block Group 3	Census Tract 3539	Minority
Block Group 1	Census Tract 3540	Minority
Block Group 2	Census Tract 3540	Minority
Block Group 3	Census Tract 3540	Minority
Block Group 1	Census Tract 3541	Minority
Block Group 2	Census Tract 3541	Minority
Block Group 2	Census Tract 3544	Minority
Block Group 2	Census Tract 3545	Minority
Block Group 1	Census Tract 3546.02	Minority
Block Group 3	Census Tract 3546.02	Minority
Block Group 2	Census Tract 3548	Minority
Block Group 3	Census Tract 3550	Minority
Block Group 1	Census Tract 3416	Minority
Block Group 5	Census Tract 3416	Minority
Block Group 2	Census Tract 3417	Minority
Block Group 4	Census Tract 3417	Minority and income
Block Group 5	Census Tract 3417	Minority
Block Group 2	Census Tract 3395	Minority and income
Block Group 1	Census Tract 3396	Minority
Block Group 2	Census Tract 3396	Minority
Block Group 4	Census Tract 3415	Minority
Block Group 3	Census Tract 3416	Minority
Block Group 4	Census Tract 3416	Minority
Block Group 6	Census Tract 3416	Minority
Block Group 3	Census Tract 3396	Minority
Block Group 6	Census Tract 3396	Minority
Block Group 3	Census Tract 3397	Minority
Block Group 3	Census Tract 3398.02	Minority
Block Group 2	Census Tract 3398.04	Minority
Block Group 1	Census Tract 3399	Minority
Block Group 2	Census Tract 3399	Minority
Block Group 1	Census Tract 3397	Minority
Block Group 2	Census Tract 3397	Minority
Block Group 3	Census Tract 3417	Minority
Block Group 2	Census Tract 3416	Minority
Block Group 1	Census Tract 3417	Minority
Block Group 1	Census Tract 3418	Minority and English isolation
Block Group 1	Census Tract 3400	Minority
Block Group 2	Census Tract 3418	Minority and income
Block Group 3	Census Tract 3418	Minority
Block Group 4	Census Tract 3418	Minority, income and English isolation
Block Group 5	Census Tract 3418	Minority, income and English isolation
Block Group 6	Census Tract 3418	Minority, income and English isolation
Block Group 2	Census Tract 3398.02	Minority
Block Group 3	Census Tract 3422.02	Minority
Block Group 1	Census Tract 3423.01	Minority
Block Group 2	Census Tract 3423.01	Minority
Block Group 2	Census Tract 3423.02	Minority
Block Group 1	Census Tract 3424.01	Minority
Block Group 3	Census Tract 3424.01	Minority
Block Group 4	Census Tract 3399	Minority
Block Group 1	Census Tract 3391.01	Minority
Block Group 5	Census Tract 3396	Minority
Block Group 1	Census Tract 3421.01	Minority and income
Block Group 3	Census Tract 3421.01	Minority, income and English isolation
Block Group 2	Census Tract 3421.02	Minority
Block Group 3	Census Tract 3422.01	Minority and English isolation
Block Group 4	Census Tract 3422.01	Minority
Block Group 4	Census Tract 3397	Minority
Block Group 1	Census Tract 3501.06	Minority
Block Group 1	Census Tract 3501.07	Minority
Block Group 1	Census Tract 3501.08	Minority and income
Block Group 2	Census Tract 3501.08	Minority
Block Group 1	Census Tract 3398.02	Minority
Block Group 4	Census Tract 3398.02	Minority
Block Group 1	Census Tract 3398.04	Minority
Block Group 1	Census Tract 3501.09	Minority
Block Group 1	Census Tract 3502.01	Minority
Block Group 2	Census Tract 3502.01	Minority
Block Group 3	Census Tract 3502.01	Minority

Block Group 1	Census Tract 3502.02	Minority
Block Group 1	Census Tract 3398.03	Minority
Block Group 2	Census Tract 3398.03	Minority
Block Group 3	Census Tract 3398.04	Minority
Block Group 3	Census Tract 3399	Minority
Block Group 2	Census Tract 3422.02	Minority
Block Group 3	Census Tract 3423.02	Minority
Block Group 2	Census Tract 3425.01	Minority and income
Block Group 2	Census Tract 3424.01	Minority, income and English isolation
Block Group 5	Census Tract 3399	Minority and English isolation
Block Group 2	Census Tract 3400	Minority
Block Group 3	Census Tract 3400	Minority
Block Group 2	Census Tract 3419.01	Minority
Block Group 1	Census Tract 3419.03	Minority
Block Group 2	Census Tract 3419.03	Minority
Block Group 1	Census Tract 3419.04	Minority
Block Group 3	Census Tract 3401	Minority
Block Group 1	Census Tract 3411.01	Minority
Block Group 2	Census Tract 3502.02	Minority
Block Group 3	Census Tract 3502.02	Minority
Block Group 1	Census Tract 3506	Minority
Block Group 3	Census Tract 3391.01	Minority and income
Block Group 1	Census Tract 3411.02	Minority and English isolation
Block Group 2	Census Tract 3411.02	Minority
Block Group 1	Census Tract 3424.02	Minority
Block Group 3	Census Tract 3424.02	Minority and English isolation
Block Group 1	Census Tract 3425.01	Minority and English isolation
Block Group 1	Census Tract 3425.02	Minority and English isolation
Block Group 1	Census Tract 3412	Minority
Block Group 2	Census Tract 3412	Minority and English isolation
Block Group 3	Census Tract 3412	Minority
Block Group 1	Census Tract 3413.01	Minority, income and English isolation
Block Group 2	Census Tract 3413.01	Minority and English isolation
Block Group 2	Census Tract 3419.04	Minority and income
Block Group 2	Census Tract 3421.01	Minority
Block Group 4	Census Tract 3421.01	Minority and English isolation
Block Group 1	Census Tract 3421.02	Minority
Block Group 3	Census Tract 3413.01	Minority and income
Block Group 4	Census Tract 3413.01	Minority and English isolation
Block Group 1	Census Tract 3413.02	Minority
Block Group 1	Census Tract 3415	Minority
Block Group 1	Census Tract 3419.01	Minority
Block Group 3	Census Tract 3419.03	Minority
Block Group 1	Census Tract 3423.02	Minority
Block Group 3	Census Tract 3419.04	Minority and income
Block Group 3	Census Tract 3415	Minority
Block Group 4	Census Tract 3412	Minority
Block Group 5	Census Tract 3412	Minority
Block Group 1	Census Tract 3414	Minority and English isolation
Block Group 2	Census Tract 3414	Minority and English isolation
Block Group 2	Census Tract 3425.02	Minority
Block Group 1	Census Tract 3426	Minority
Block Group 2	Census Tract 3426	Minority, income and English isolation
Block Group 3	Census Tract 3426	Minority
Block Group 1	Census Tract 3501.05	Minority
Block Group 1	Census Tract 3395	Minority
Block Group 3	Census Tract 3414	Minority
Block Group 4	Census Tract 3414	Minority
Block Group 2	Census Tract 3415	Minority and English isolation
Block Group 5	Census Tract 3414	Minority
Block Group 5	Census Tract 3415	Minority and English isolation
Block Group 3	Census Tract 3421.02	Minority
Block Group 4	Census Tract 3421.02	Minority
Block Group 1	Census Tract 3422.01	Minority and income
Block Group 2	Census Tract 3422.01	Minority and English isolation
Block Group 1	Census Tract 3422.02	Minority and income
Block Group 2	Census Tract 7.03	Minority and income
Block Group 2	Census Tract 1.01	Minority
Block Group 2	Census Tract 4001	Minority
Block Group 1	Census Tract 4002.02	Minority, income and English isolation
Block Group 1	Census Tract 4003	Minority
Block Group 3	Census Tract 4005	Minority
Block Group 1	Census Tract 4001	Minority
Block Group 3	Census Tract 4001	Minority
Block Group 2	Census Tract 4007	Minority
Block Group 4	Census Tract 4001	Minority
Block Group 5	Census Tract 4001	Minority
Block Group 1	Census Tract 4002.01	Minority
Block Group 2	Census Tract 4002.02	Minority
Block Group 3	Census Tract 4007	Minority
Block Group 2	Census Tract 4008	Minority

Block Group 3	Census Tract 4008	Minority
Block Group 1	Census Tract 4009	Minority
Block Group 2	Census Tract 4003	Minority
Block Group 3	Census Tract 4009	Minority
Block Group 1	Census Tract 4010	Minority
Block Group 3	Census Tract 4003	Minority
Block Group 1	Census Tract 4004.01	Minority
Block Group 2	Census Tract 4004.01	Minority
Block Group 1	Census Tract 4008	Minority
Block Group 2	Census Tract 4005	Minority
Block Group 4	Census Tract 4005	Minority
Block Group 1	Census Tract 4007	Minority
Block Group 4	Census Tract 4008	Minority
Block Group 2	Census Tract 4009	Minority and income
Block Group 2	Census Tract 4010	Minority
Block Group 3	Census Tract 4010	Minority
Block Group 1	Census Tract 4173	Minority
Block Group 1	Census Tract 9813	Minority
Block Group 1	Census Tract 1006.03	Minority
Block Group 2	Census Tract 1006.03	Minority
Block Group 3	Census Tract 1605.01	Minority
Block Group 4	Census Tract 1605.01	Minority, income and English isolation
Block Group 5	Census Tract 1605.01	Minority and income
Block Group 1	Census Tract 1605.02	Minority, income and English isolation
Block Group 3	Census Tract 1605.02	Minority
Block Group 4	Census Tract 1605.02	Minority, income and English isolation
Block Group 1	Census Tract 1203.01	Minority
Block Group 1	Census Tract 1204	Minority
Block Group 4	Census Tract 1204	Minority
Block Group 5	Census Tract 1605.02	Minority
Block Group 3	Census Tract 1606.01	Minority
Block Group 4	Census Tract 1606.01	Minority
Block Group 5	Census Tract 1204	Minority
Block Group 1	Census Tract 1205	Minority
Block Group 2	Census Tract 1205	Minority and English isolation
Block Group 2	Census Tract 1207	Minority
Block Group 2	Census Tract 1606.02	Minority
Block Group 2	Census Tract 1603	Minority and income
Block Group 1	Census Tract 1604	Minority, income and English isolation
Block Group 2	Census Tract 1604	Minority, income and English isolation
Block Group 1	Census Tract 1606.01	Minority and income
Block Group 2	Census Tract 1606.01	Minority
Block Group 2	Census Tract 1704	Minority and income
Block Group 3	Census Tract 1704	Minority and income
Block Group 4	Census Tract 1704	Minority and English isolation
Block Group 1	Census Tract 1606.02	Minority
Block Group 4	Census Tract 1606.02	Minority, income and English isolation
Block Group 5	Census Tract 1606.02	Minority
Block Group 1	Census Tract 1701.01	Minority
Block Group 2	Census Tract 1701.01	Minority
Block Group 3	Census Tract 1701.01	Minority
Block Group 1	Census Tract 1701.02	Minority and English isolation
Block Group 2	Census Tract 1701.02	Minority
Block Group 3	Census Tract 1701.02	Minority
Block Group 4	Census Tract 1701.02	Minority and income
Block Group 1	Census Tract 1702	Minority and income
Block Group 2	Census Tract 1702	Minority, income and English isolation
Block Group 4	Census Tract 1702	Minority and income
Block Group 1	Census Tract 1706.01	Minority
Block Group 3	Census Tract 1706.01	Minority
Block Group 4	Census Tract 1706.01	Minority and income
Block Group 3	Census Tract 1707.02	Minority and income
Block Group 1	Census Tract 1703.01	Minority
Block Group 2	Census Tract 1703.01	Minority
Block Group 3	Census Tract 1703.01	Minority
Block Group 4	Census Tract 1703.01	Minority
Block Group 1	Census Tract 1703.02	Minority
Block Group 3	Census Tract 1703.02	Minority
Block Group 5	Census Tract 1704	Minority
Block Group 2	Census Tract 1705.02	Minority and income
Block Group 1	Census Tract 1705.03	Minority
Block Group 1	Census Tract 1705.04	Minority
Block Group 2	Census Tract 1705.04	Minority
Block Group 2	Census Tract 1706.01	Minority
Block Group 2	Census Tract 1203.01	Minority
Block Group 3	Census Tract 1203.01	Minority
Block Group 4	Census Tract 1203.01	Minority
Block Group 3	Census Tract 1205	Minority
Block Group 1	Census Tract 1206	Minority
Block Group 1	Census Tract 1601.02	Minority and English isolation
Block Group 2	Census Tract 1601.02	Minority and English isolation

Block Group 3	Census Tract 1601.02	Minority
Block Group 2	Census Tract 1707.01	Minority
Block Group 1	Census Tract 1707.02	Minority, income and English isolation
Block Group 2	Census Tract 1707.02	Minority and income
Block Group 4	Census Tract 1707.02	Minority and English isolation
Block Group 3	Census Tract 1606.02	Minority
Block Group 3	Census Tract 1702	Minority and income
Block Group 1	Census Tract 1704	Minority
Block Group 2	Census Tract 1206	Minority
Block Group 3	Census Tract 1206	Minority
Block Group 1	Census Tract 1207	Minority
Block Group 4	Census Tract 1601.02	Minority, income and English isolation
Block Group 1	Census Tract 1601.03	Minority and English isolation
Block Group 2	Census Tract 1601.03	Minority and English isolation
Block Group 3	Census Tract 1601.03	Minority
Block Group 4	Census Tract 1601.03	Minority and English isolation
Block Group 1	Census Tract 1602	Minority and English isolation
Block Group 2	Census Tract 1602	Minority, income and English isolation
Block Group 3	Census Tract 1602	Minority and English isolation
Block Group 1	Census Tract 1708	Minority
Block Group 4	Census Tract 1801.01	Minority
Block Group 1	Census Tract 1802	Minority
Block Group 2	Census Tract 1802	Income
Block Group 4	Census Tract 1602	Minority and income
Block Group 1	Census Tract 1603	Minority
Block Group 3	Census Tract 1604	Minority
Block Group 4	Census Tract 1604	Minority and income
Block Group 1	Census Tract 1605.01	Minority
Block Group 2	Census Tract 1605.01	Minority and income
Block Group 3	Census Tract 1802	Income
Block Group 1	Census Tract 1805	Minority
Block Group 3	Census Tract 1805	Minority
Block Group 1	Census Tract 9803	Minority
Block Group 1	Census Tract 8.06	Minority and income
Block Group 1	Census Tract 101.03	Minority, income and English isolation
Block Group 3	Census Tract 101.03	Minority
Block Group 2	Census Tract 101.04	Minority
Block Group 1	Census Tract 102.04	Minority and income
Block Group 2	Census Tract 102.04	Minority
Block Group 3	Census Tract 102.04	Minority and income
Block Group 1	Census Tract 102.05	Minority
Block Group 2	Census Tract 102.05	Minority
Block Group 3	Census Tract 102.05	Minority and income
Block Group 1	Census Tract 911	Minority
Block Group 2	Census Tract 812	Minority and income
Block Group 5	Census Tract 817	Minority and income
Block Group 2	Census Tract 919	Minority and income
Block Group 1	Census Tract 712.01	Minority
Block Group 4	Census Tract 102.05	Minority, income and English isolation
Block Group 1	Census Tract 102.06	Minority
Block Group 2	Census Tract 102.06	Minority and income
Block Group 1	Census Tract 103	Minority and income
Block Group 2	Census Tract 103	Minority
Block Group 1	Census Tract 501.01	Minority
Block Group 3	Census Tract 501.01	Minority
Block Group 2	Census Tract 408.01	Minority and income
Block Group 3	Census Tract 502	Minority, income and English isolation
Block Group 1	Census Tract 503	Minority
Block Group 2	Census Tract 503	Minority and income
Block Group 1	Census Tract 504	Minority
Block Group 1	Census Tract 817	Minority and income
Block Group 2	Census Tract 817	Minority and income
Block Group 4	Census Tract 817	Minority and income
Block Group 1	Census Tract 818	Minority and income
Block Group 2	Census Tract 818	Minority
Block Group 2	Census Tract 806.01	Minority and income
Block Group 1	Census Tract 606.04	Minority
Block Group 3	Census Tract 610	Minority and income
Block Group 2	Census Tract 611.01	Minority, income and English isolation
Block Group 1	Census Tract 611.01	Minority and income
Block Group 1	Census Tract 104.03	Minority and income
Block Group 2	Census Tract 104.03	Minority and income
Block Group 3	Census Tract 104.03	Minority
Block Group 1	Census Tract 104.04	Minority
Block Group 4	Census Tract 104.04	Minority and income
Block Group 1	Census Tract 104.05	Minority
Block Group 1	Census Tract 505	Minority
Block Group 1	Census Tract 506	Minority and English isolation
Block Group 2	Census Tract 506	Minority
Block Group 1	Census Tract 507	Minority and English isolation
Block Group 2	Census Tract 507	Minority, income and English isolation

Block Group 3	Census Tract 509.01	Minority, income and English isolation
Block Group 3	Census Tract 818	Minority and income
Block Group 2	Census Tract 819	Minority and income
Block Group 3	Census Tract 819	Minority
Block Group 4	Census Tract 819	Minority, income and English isolation
Block Group 3	Census Tract 820	Minority and income
Block Group 1	Census Tract 821	Minority, income and English isolation
Block Group 4	Census Tract 910.01	Minority
Block Group 1	Census Tract 701.04	Minority
Block Group 2	Census Tract 104.05	Minority and income
Block Group 3	Census Tract 104.05	Minority, income and English isolation
Block Group 1	Census Tract 104.08	Minority
Block Group 1	Census Tract 105	Minority and income
Block Group 2	Census Tract 105	Minority, income and English isolation
Block Group 3	Census Tract 105	Minority
Block Group 1	Census Tract 510	Minority
Block Group 3	Census Tract 507	Minority and English isolation
Block Group 1	Census Tract 509.01	Minority and English isolation
Block Group 2	Census Tract 509.01	Minority
Block Group 2	Census Tract 821	Minority
Block Group 3	Census Tract 821	Minority and income
Block Group 1	Census Tract 901	Minority and income
Block Group 2	Census Tract 901	Minority and income
Block Group 3	Census Tract 901	Minority
Block Group 2	Census Tract 701.04	Minority
Block Group 3	Census Tract 701.04	Minority and English isolation
Block Group 1	Census Tract 701.02	Minority, income and English isolation
Block Group 3	Census Tract 711.01	Minority and English isolation
Block Group 3	Census Tract 703.02	Minority
Block Group 1	Census Tract 106	Minority
Block Group 2	Census Tract 106	Minority
Block Group 3	Census Tract 106	Minority
Block Group 1	Census Tract 107.01	Minority
Block Group 1	Census Tract 108.01	Minority
Block Group 1	Census Tract 202	Minority
Block Group 2	Census Tract 202	Minority
Block Group 2	Census Tract 510	Minority and income
Block Group 3	Census Tract 510	Minority
Block Group 1	Census Tract 511.01	Minority and English isolation
Block Group 3	Census Tract 511.01	Minority
Block Group 4	Census Tract 901	Minority and income
Block Group 1	Census Tract 902	Minority, income and English isolation
Block Group 2	Census Tract 902	Minority, income and English isolation
Block Group 3	Census Tract 902	Minority and income
Block Group 2	Census Tract 815	Minority
Block Group 3	Census Tract 817	Minority and income
Block Group 1	Census Tract 820	Minority
Block Group 2	Census Tract 820	Minority and income
Block Group 4	Census Tract 904	Minority
Block Group 1	Census Tract 203.01	Minority
Block Group 1	Census Tract 203.04	Minority
Block Group 2	Census Tract 203.05	Minority
Block Group 4	Census Tract 511.01	Minority
Block Group 2	Census Tract 606.04	Minority
Block Group 1	Census Tract 607	Minority and income
Block Group 2	Census Tract 607	Minority, income and English isolation
Block Group 2	Census Tract 610	Minority and income
Block Group 1	Census Tract 903	Minority, income and English isolation
Block Group 2	Census Tract 903	Minority, income and English isolation
Block Group 3	Census Tract 903	Minority and income
Block Group 1	Census Tract 904	Minority
Block Group 2	Census Tract 904	Minority
Block Group 1	Census Tract 303.02	Minority
Block Group 1	Census Tract 402	Minority and income
Block Group 2	Census Tract 402	Minority
Block Group 1	Census Tract 403	Minority
Block Group 1	Census Tract 612.03	Minority
Block Group 2	Census Tract 701.02	Minority
Block Group 3	Census Tract 701.02	Minority
Block Group 1	Census Tract 701.03	Minority
Block Group 1	Census Tract 702.01	Minority, income and English isolation
Block Group 3	Census Tract 904	Minority and income
Block Group 2	Census Tract 906	Minority, income and English isolation
Block Group 2	Census Tract 907	Minority
Block Group 2	Census Tract 909.01	Minority and income
Block Group 3	Census Tract 911	Minority and income
Block Group 4	Census Tract 911	Minority
Block Group 5	Census Tract 911	Minority
Block Group 1	Census Tract 912	Minority
Block Group 2	Census Tract 912	Minority
Block Group 3	Census Tract 912	Minority

Block Group 2	Census Tract 702.01	Minority
Block Group 1	Census Tract 702.02	Minority, income and English isolation
Block Group 2	Census Tract 702.02	Minority, income and English isolation
Block Group 2	Census Tract 703.01	Minority
Block Group 1	Census Tract 703.02	Minority
Block Group 2	Census Tract 704.02	Minority, income and English isolation
Block Group 2	Census Tract 913	Minority and income
Block Group 1	Census Tract 915	Minority
Block Group 2	Census Tract 915	Minority and English isolation
Block Group 3	Census Tract 915	Minority and income
Block Group 1	Census Tract 913	Minority and income
Block Group 2	Census Tract 914	Minority and income
Block Group 1	Census Tract 914	Minority and income
Block Group 4	Census Tract 920	Minority and income
Block Group 1	Census Tract 921.01	Minority and English isolation
Block Group 2	Census Tract 705.01	Minority
Block Group 1	Census Tract 705.02	Minority
Block Group 1	Census Tract 708.01	Minority
Block Group 1	Census Tract 708.02	Minority
Block Group 2	Census Tract 708.02	Minority
Block Group 1	Census Tract 709.01	Minority, income and English isolation
Block Group 2	Census Tract 709.02	Minority
Block Group 1	Census Tract 916	Minority
Block Group 2	Census Tract 916	Minority
Block Group 3	Census Tract 916	Minority, income and English isolation
Block Group 1	Census Tract 917	Minority
Block Group 2	Census Tract 917	Minority and income
Block Group 1	Census Tract 1.01	Minority
Block Group 2	Census Tract 8.05	Minority and income
Block Group 1	Census Tract 711.01	Minority
Block Group 4	Census Tract 711.01	Minority
Block Group 2	Census Tract 712.01	Minority and income
Block Group 3	Census Tract 712.01	Minority
Block Group 4	Census Tract 712.01	Minority, income and English isolation
Block Group 3	Census Tract 917	Minority, income and English isolation
Block Group 1	Census Tract 918	Minority
Block Group 2	Census Tract 918	Minority and income
Block Group 3	Census Tract 918	Minority
Block Group 1	Census Tract 919	Minority and income
Block Group 1	Census Tract 704.02	Minority
Block Group 2	Census Tract 705.02	Minority, income and English isolation
Block Group 1	Census Tract 707	Minority and income
Block Group 2	Census Tract 707	Minority
Block Group 2	Census Tract 711.01	Minority
Block Group 1	Census Tract 709.02	Minority
Block Group 2	Census Tract 101.03	Minority
Block Group 1	Census Tract 801	Minority and income
Block Group 2	Census Tract 801	Minority and income
Block Group 1	Census Tract 803	Minority and income
Block Group 2	Census Tract 803	Minority and income
Block Group 3	Census Tract 919	Minority and income
Block Group 4	Census Tract 919	Minority and English isolation
Block Group 1	Census Tract 920	Minority, income and English isolation
Block Group 2	Census Tract 920	Minority
Block Group 3	Census Tract 920	Minority
Block Group 4	Census Tract 921.01	Minority, income and English isolation
Block Group 5	Census Tract 921.01	Minority
Block Group 3	Census Tract 921.01	Minority
Block Group 2	Census Tract 203.04	Minority
Block Group 3	Census Tract 304	English isolation
Block Group 1	Census Tract 804.01	Minority and income
Block Group 2	Census Tract 804.01	Minority, income and English isolation
Block Group 1	Census Tract 806.01	Minority and income
Block Group 1	Census Tract 809	Minority
Block Group 2	Census Tract 921.01	Minority and English isolation
Block Group 1	Census Tract 922	Minority
Block Group 2	Census Tract 922	Minority
Block Group 4	Census Tract 922	Minority and income
Block Group 1	Census Tract 906	Minority, income and English isolation
Block Group 1	Census Tract 907	Minority
Block Group 3	Census Tract 907	Minority
Block Group 4	Census Tract 907	Minority
Block Group 1	Census Tract 7.03	Minority and income
Block Group 2	Census Tract 8.04	Minority
Block Group 1	Census Tract 8.05	Minority
Block Group 3	Census Tract 8.05	Minority and income
Block Group 2	Census Tract 810.01	Minority and income
Block Group 4	Census Tract 810.01	Minority, income and English isolation
Block Group 5	Census Tract 810.01	Minority
Block Group 1	Census Tract 811.01	Minority
Block Group 1	Census Tract 805	Minority

Block Group 2	Census Tract 805	Minority, income and English isolation
Block Group 3	Census Tract 806.01	Minority, income and English isolation
Block Group 1	Census Tract 808.01	Minority and income
Block Group 2	Census Tract 8.06	Minority and income
Block Group 1	Census Tract 8.07	Minority
Block Group 1	Census Tract 101.04	Minority
Block Group 2	Census Tract 811.01	Minority
Block Group 1	Census Tract 811.02	Minority and income
Block Group 2	Census Tract 811.02	Minority and English isolation
Block Group 1	Census Tract 812	Minority
Block Group 3	Census Tract 101.04	Minority and income
Block Group 2	Census Tract 104.04	Minority and income
Block Group 3	Census Tract 104.04	Minority and income
Block Group 1	Census Tract 203.05	Minority
Block Group 1	Census Tract 404.01	Minority
Block Group 3	Census Tract 812	Minority and income
Block Group 1	Census Tract 813.01	Minority, income and English isolation
Block Group 2	Census Tract 813.01	Minority, income and English isolation
Block Group 1	Census Tract 813.02	Minority and income
Block Group 2	Census Tract 813.02	Minority
Block Group 2	Census Tract 511.01	Minority, income and English isolation
Block Group 1	Census Tract 909.01	Minority, income and English isolation
Block Group 2	Census Tract 910.01	Minority
Block Group 2	Census Tract 911	Minority
Block Group 1	Census Tract 910.01	Minority and English isolation
Block Group 1	Census Tract 406	Minority
Block Group 2	Census Tract 501.01	Minority, income and English isolation
Block Group 1	Census Tract 502	Minority
Block Group 2	Census Tract 502	Minority
Block Group 4	Census Tract 502	Minority and English isolation
Block Group 3	Census Tract 503	Minority, income and English isolation
Block Group 2	Census Tract 504	Minority
Block Group 1	Census Tract 408.01	Minority and income
Block Group 1	Census Tract 814	Minority and income
Block Group 2	Census Tract 814	Minority
Block Group 3	Census Tract 814	Minority and income
Block Group 4	Census Tract 814	Minority and income
Block Group 2	Census Tract 808.01	Minority and income
Block Group 1	Census Tract 512	Minority and English isolation
Block Group 2	Census Tract 512	Minority
Block Group 3	Census Tract 512	Minority
Block Group 1	Census Tract 819	Minority and income
Block Group 2	Census Tract 809	Minority
Block Group 3	Census Tract 809	Minority
Block Group 1	Census Tract 810.01	Minority
Block Group 3	Census Tract 810.01	Minority, income and English isolation
Block Group 1	Census Tract 815	Minority and income
Block Group 1	Census Tract 7.04	Minority
Block Group 2	Census Tract 7.04	Minority
Block Group 3	Census Tract 7.04	Minority
Block Group 4	Census Tract 7.04	Minority and income
Block Group 1	Census Tract 8.04	Minority and income
Block Group 4	Census Tract 1708	Minority
Block Group 3	Census Tract 1801.01	Income
Block Group 5	Census Tract 1707.02	Minority
Block Group 2	Census Tract 1708	Minority and income
Block Group 3	Census Tract 1708	Minority and income
Block Group 1	Census Tract 1707.01	Minority and income

نموذج مسح العدالة البيئية

اسم المشروع	إعادة التأهيل الهيكلي لجدار صد الأمواج بمنتهزه (Piers Park II)
التاريخ المتوقع لتعبئة طلب قانون السياسة البيئية في ولاية ماساتشوستس (MEPA)	31 مارس/ آذار، 2025
اسم مُقدِّم الاقتراح	هيئة موانئ ماساتشوستس (Massport)
بيانات جهة الاتصال (مثال: الاستشاري)	براد واشبورن/ Brad Washburn من هيئة موانئ ماساتشوستس (Massport) Fiona Vardy/ فيونا فاردي من مؤسسة (Foth) Fiona.vardy@foth.com 508-762-0784 bwashburn@massport.com 617-568-3546
الموقع الإلكتروني العام للمشروع أو أي موقع مادي آخر يمكن من خلاله الحصول على مواد المشروع (إذا كانت متوفرة)	لا ينطبق
البلدية والرمز البريدي للمشروع (إذا كان معروفاً)	بوسطن، ماساتشوستس، 02128 Boston, MA 02128
نوع المشروع* (اكتب كل الأنواع التي تنطبق)	البنية التحتية الساحلية؛ القدرة على الصمود
هل يقع موقع المشروع ضمن السهل المتوقع أن يغمره الفيضان خلال 100 عام وفقاً لتقديرات الوكالة الفيدرالية لإدارة الطوارئ (FEMA)؟ نعم/لا/لا أعلم	نعم
تقديرات انبعاثات الغازات الدفيئة من المساحات المُكَيِّفَة (انقر هنا للحصول على أداة تقدير الغازات الدفيئة).	لا ينطبق

وصف المشروع

- 1- اكتب وصفاً موجزاً للمشروع يتضمن المساحة الإجمالية لموقع المشروع ومساحة المباني والهياكل المُقترحة بالقدم المربعة إذا كانت معروفة.

الغرض من الجدار الحجري المقترح هو استبدال جدار صد الأمواج الحالي الواقع في الحد الجنوبي لمنتهزه (Piers Park II) الذي تم بناؤه حديثاً والذي يقع في العنوان 95 Marginal Street in Boston, MA. وسيطلب مشروع إعادة الحفر هدم جدار صد الأمواج الحالي والرصيف المدعوم من الركام، والتنقيب و/ أو التجريف في الحشوة الموجودة التي يحتفظ بها الجدار، بالإضافة إلى كمية من المواد للجدار القائم على البحر حسب الاقتضاء لبناء الجدار الحجري.
- 2- اكتب عتبات المراجعة المُتَوَقَّعة المفروضة بموجب قانون السياسة البيئية في ولاية ماساتشوستس (MEPA) (القانون [301 CMR 11.03] (إذا كانت معروفة)

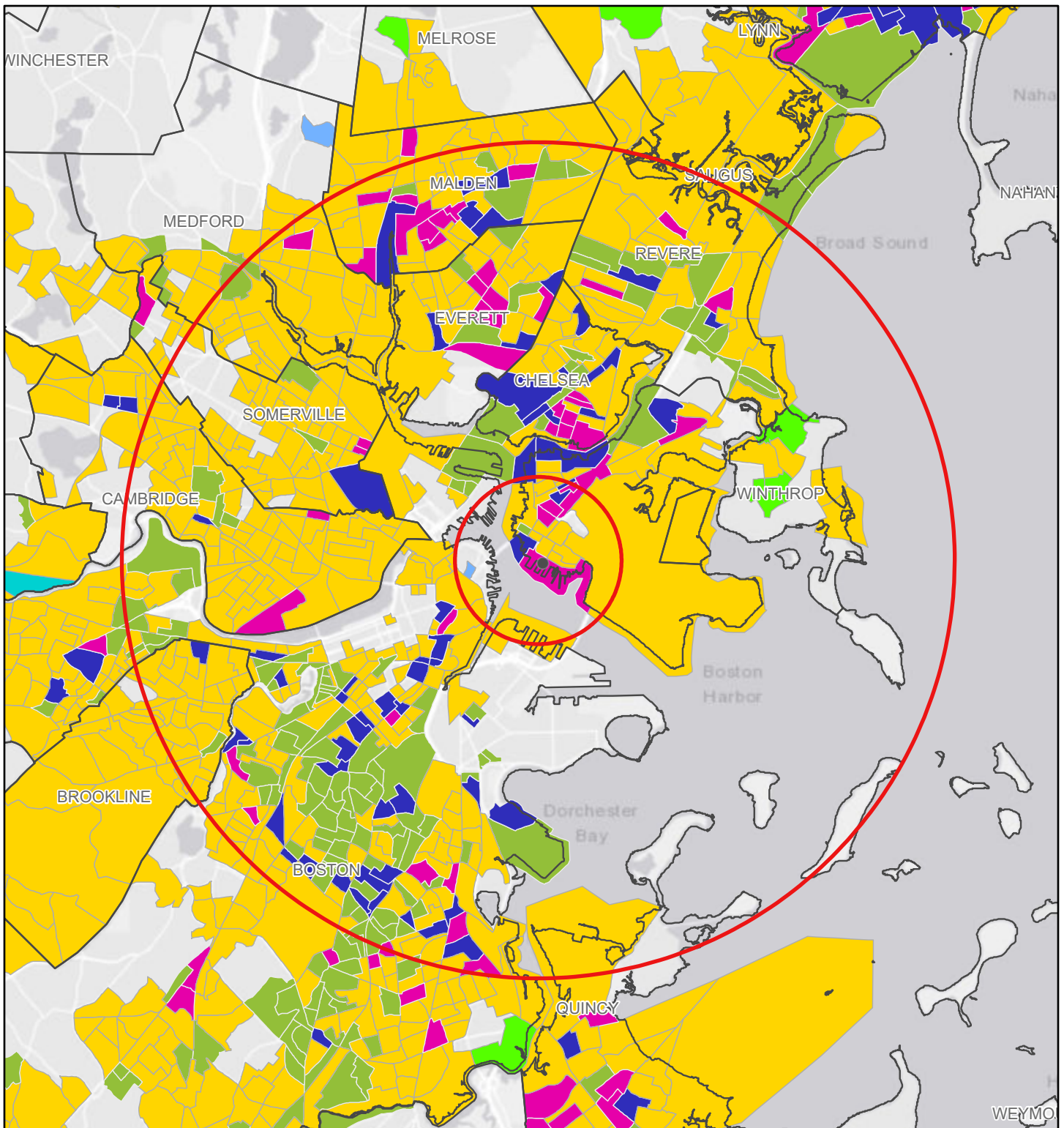
301 CMR 11.03(3)(b)1.a. – شريطة أن يكون التصريح مطلوباً: تغيير الكثبان الرملية الساحلية أو الشاطئ الحاجز أو الضفة الساحلية بناءً أو إعادة بناء أو توسيع بنية تعبئة صلبة موجودة من 1,000 قدم مربع (sf) أو أكثر
301 CMR 11.03(3)(b)6 - يجب على السكرتير أن يطلب تقرير تأثير بيئي لأي مشروع يقع ضمن منطقة جغرافية محددة (DGA) حول مجموعة سكانية للعدالة البيئية
301 CMR 11.06(7)(b) -

3- اكتب جميع التصاريح الولائية والمحلية والفيدرالية المتوقعة التي يحتاج المشروع إلى استخراجها (إذا كانت معروفة)		
الجدول 1 - ملخص التصاريح والتراخيص التنظيمية		
الوكالة التنظيمية	النظام الأساسي / السلطة	الترخيص / التفويض
محلية		
لجنة بوسطن لحفظ الطبيعة (Boston Conservation Commission)	القانون العام لولاية ماساتشوستس (M.G.L. c. 131 §40)	ترتيب الشروط (OOC)
ولائية		
مكتب قانون السياسة البيئية لولاية ماساتشوستس (Massachusetts Environmental Policy Act, MEPA)	القانون العام لولاية ماساتشوستس (M.G.L. c. §§61-621)	شهادة وزير الطاقة والشؤون البيئية
إدارة حماية البيئة في ماساتشوستس (Massachusetts Department of Environmental Protection, MassDEP)	القانون العام لولاية ماساتشوستس (M.G.L. c. §§26-53) / قانون المياه النظيفة (Clean Water Act 33) من قانون الولايات المتحدة (U.S.C. §1251) وما يليها	القسم 401 شهادة جودة المياه
فيدرالية		
فيلق المهندسين بالجيش الأمريكي (U.S. Army Corps of Engineers, USACE)	قانون المياه النظيفة (Clean Water Act) من قانون الولايات المتحدة (U.S.C. 1344 §404)	إشعار ما قبل البناء
إدارة المناطق الساحلية (Coastal Zone Management, CZM)	مواد القانون العام لولاية ماساتشوستس (M.G.L. c 21A §§2-4A) وما يليها	مراجعة الاتساق الفيدرالي (Federal Consistency Review) (إذا لزم الأمر)
4- حدّد سكان مناطق العدالة البيئية والخصائص التي يميزون بها (الأقلية والدخل والانعزال عن اللغة الإنجليزية) في نطاق 5 أميال من موقع المشروع (يمكنك إرفاق خريطة تحدد نصف القطر البالغ 5 أميال من عارض خرائط مناطق العدالة البيئية بدلاً من اتباع أسلوب السرد)		
الرجاء مراجعة الخريطة المرفقة وقائمة مجموعات السكان في منطقة العدالة البيئية ضمن مسافة 1 و5 أميال من الموقع.		
5- حدّد أي بلدية أو منطقة تعداد سكاني تستوفي تعريف "معايير الصحة الضعيفة في منطقة العدالة البيئية" في أداة وزارة الصحة العامة (DPH) للعدالة البيئية التي تقع بأكملها أو جزء منها في نطاق نصف قطر 1 ميل من موقع المشروع.		
تشمل معايير الصحة المتعلقة بالعدالة البيئية المعرضة للخطر التي تقع ضمن نطاق ميل واحد من موقع المشروع ما يلي: انخفاض الوزن عند الولادة، الربو لدى الأطفال، وارتفاع انتشار مستوى الرصاص في الدم		
6- حدّد الآثار المحتملة على المدى القصير والطويل على البيئة والصحة العامة التي قد تؤثر في سكان مناطق العدالة البيئية، وحدّد أي تدابير متوقعة لتخفيف الآثار.		
سيوفر المشروع فوائد بيئية وصحية عامة قصيرة الأجل وطويلة الأجل من خلال حماية مناطق الموارد القائمة والبنية التحتية المجاورة. وتكتسب هذه الحماية بأهمية خاصة أثناء الظواهر الجوية القاسية والاستجابة لارتفاع مستوى سطح البحر المتوقع. وسينفذ المشروع تدابير لمنع التعرية، والحفاظ على سلامة مناطق الموارد الساحلية، والحد من مخاطر الفيضانات وغيرها من المسائل ذات الصلة.		
7- حدّد فوائد المشروع، التي يشمل "الفوائد البيئية" وفقاً للمنصوص عليه في القانون [301 CMR 11.02]، والتي قد تحسن الظروف البيئية أو أوضاع الصحة العامة لسكان منطقة العدالة البيئية.		
سيوفر المشروع فوائد كبيرة من خلال حماية الموارد الساحلية الحالية والبنية التحتية المجاورة. وستمنع التدابير الفورية تآكل مناطق الموارد الحالية وستحمي الطريق المجاور. تم تصميم المشروع لتحمل العواصف لمدة 100 عام، وسوف يوفر حماية طويلة الأمد ضد العواصف الشديدة.		
8- صف كيف يستطيع المجتمع طلب عقد اجتماع لمناقشة المشروع، وكيف يستطيع المجتمع طلب توفير خدمات الترجمة الفورية في الاجتماع. حدّد كيف يمكن طلب التجهيزات والترتيبات الأخرى التي تشمل عقد الاجتماعات بعد ساعات العمل وفي مواقع قريبة من وسائل النقل العام.		
نرحب بالاطراف المهمة التي ترغب في طلب اجتماع أو خدمات الترجمة الشفوية أو تسهيلات محددة للاتصال بطرف الاتصال للتنوعية العامة بالمشروع، براد واشبورن/Brad Washburn، من هيئة موانئ ماساتشوستس (Massport)، عبر البريد الإلكتروني على العنوان bwashburn@massport.com		

*أنواع مشاريع مكتب قانون السياسات البيئية بولاية ماساتشوستس (MEPA) [ملاحظة: يجوز حذف هذه القائمة عند نشر هذا النموذج].

المادة 97	الماريجوانا
الزراعة	الصناعة البحرية
المطار	خطة شاملة - تطوير
تربية الأحياء المائية/المحاريب	خطة شاملة - خطة التجديد الحضري
تغذية الشاطئ/الساحل	أخرى (يرجى التحديد)
البنية التحتية الساحلية	الترفيه
التجارة - مكاتب/مختبرات/بحث وتطوير	اللوائح والتشريعات
التجارة - فندق	مشروع علاجي
التجارة - مستودع	مشروع سكني
التجارة - البيع بالتجزئة	المرونة
إزالة السدود	المخلفات الصلبة
إصلاح/استبدال السدود	النقل - الطرق/النقل العام
التكرير والتجريف	النقل - إنشاء المسارات
الترميم البيئي	مياه الصرف الصحي - المعالجة/النقل
إنتاج الطاقة	مياه الصرف الصحي - الخطة الشاملة لإدارة مياه الصرف الصحي (CWMP)
تخزين الطاقة	إمدادات المياه - مصدر جديد
نقل الطاقة	إمدادات المياه - المعالجة/النقل
الصناعة	
مشروع مؤسسي- تعليمي	

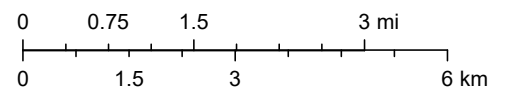
2020 Environmental Justice Neighborhoods



3/11/2025, 3:52:55 PM

1:144,448

- Override 1
- MA 2020 Environmental Justice Block Groups
- Minority: the block group minority population is $\geq 40\%$, or the block group minority population is $\geq 25\%$ and the median household income of the municipality the block group
- Income: at least 25% of households have a median household income 65% or less than the state median household income
- Language isolation: 25% or more of households do not include anyone older than 14 who speaks English very well
- Minority and Income
- Income and English isolation
- Minority, Income and English isolation



City of Boston, MassGIS, Esri, HERE, Garmin, USGS, EPA, NPS

5 Mile Radius		
Block Group 4	Census Tract 2081.02	Minority
Block Group 1	Census Tract 2081.02	Minority
Block Group 2	Census Tract 3424.02	Minority
Block Group 1	Census Tract 3503	Minority
Block Group 1	Census Tract 3510.01	Minority
Block Group 3	Census Tract 3510.01	Minority
Block Group 2	Census Tract 3512.03	Minority
Block Group 3	Census Tract 3513	Minority
Block Group 3	Census Tract 3512.04	Minority
Block Group 1	Census Tract 3594	Minority
Block Group 2	Census Tract 3503	Minority
Block Group 3	Census Tract 3503	Minority
Block Group 2	Census Tract 3508	Minority
Block Group 1	Census Tract 3513	Minority
Block Group 2	Census Tract 3513	Minority
Block Group 3	Census Tract 3514.03	Minority
Block Group 2	Census Tract 3514.04	Minority and income
Block Group 2	Census Tract 3594	Minority
Block Group 3	Census Tract 3594	Minority
Block Group 4	Census Tract 3594	Minority
Block Group 5	Census Tract 3594	Minority
Block Group 2	Census Tract 3510.01	Minority
Block Group 1	Census Tract 3511.01	Minority
Block Group 3	Census Tract 3511.01	Minority
Block Group 1	Census Tract 3511.02	Minority
Block Group 1	Census Tract 3512.03	Minority
Block Group 4	Census Tract 3512.03	Minority
Block Group 1	Census Tract 3515	Minority
Block Group 2	Census Tract 3515	Minority
Block Group 3	Census Tract 3515	Minority
Block Group 2	Census Tract 3538	Minority and income
Block Group 1	Census Tract 3512.04	Minority
Block Group 2	Census Tract 3512.04	Minority
Block Group 1	Census Tract 3514.03	Minority and English isolation
Block Group 2	Census Tract 3514.03	Minority
Block Group 4	Census Tract 3514.03	Minority
Block Group 5	Census Tract 3514.03	Minority and English isolation
Block Group 2	Census Tract 3521.01	Minority
Block Group 2	Census Tract 3530	Minority
Block Group 2	Census Tract 3531.02	Minority
Block Group 1	Census Tract 3521.02	Minority
Block Group 1	Census Tract 3523	Minority
Block Group 1	Census Tract 3514.04	Minority
Block Group 3	Census Tract 3514.04	Minority
Block Group 4	Census Tract 3514.04	Minority
Block Group 4	Census Tract 3515	Minority, income and English isolation
Block Group 1	Census Tract 3521.01	Minority
Block Group 3	Census Tract 3521.01	Minority
Block Group 2	Census Tract 3523	Minority
Block Group 1	Census Tract 3522	Minority
Block Group 1	Census Tract 3525	Minority
Block Group 2	Census Tract 3525	Minority
Block Group 2	Census Tract 3526	Minority
Block Group 2	Census Tract 3521.02	Minority
Block Group 3	Census Tract 3523	Minority
Block Group 1	Census Tract 3524	Minority
Block Group 1	Census Tract 3526	Minority
Block Group 2	Census Tract 3527	Minority and English isolation
Block Group 1	Census Tract 3529	Minority
Block Group 1	Census Tract 3527	Minority
Block Group 2	Census Tract 3529	Minority
Block Group 1	Census Tract 3528	Minority
Block Group 1	Census Tract 3545	Minority
Block Group 1	Census Tract 3532	Minority
Block Group 3	Census Tract 3532	Minority
Block Group 1	Census Tract 3530	Minority
Block Group 1	Census Tract 3531.01	Minority
Block Group 2	Census Tract 3531.01	Minority
Block Group 1	Census Tract 3531.02	Minority
Block Group 3	Census Tract 3533	Minority
Block Group 2	Census Tract 3536	Minority and income
Block Group 2	Census Tract 3533	Minority
Block Group 1	Census Tract 3539	Minority
Block Group 3	Census Tract 3531.02	Minority and English isolation
Block Group 2	Census Tract 3532	Minority
Block Group 4	Census Tract 3532	Minority
Block Group 1	Census Tract 3533	Minority
Block Group 2	Census Tract 3546.02	Minority
Block Group 1	Census Tract 3547	Minority
Block Group 2	Census Tract 3547	Minority

1 Mile Radius		
Block Group 1	Census Tract 9813	Minority
Block Group 3	Census Tract 501.01	Minority
Block Group 2	Census Tract 408.01	Minority and income
Block Group 3	Census Tract 502	Minority, income and English isolation
Block Group 1	Census Tract 503	Minority
Block Group 2	Census Tract 503	Minority and income
Block Group 1	Census Tract 504	Minority
Block Group 1	Census Tract 606.04	Minority
Block Group 1	Census Tract 505	Minority
Block Group 1	Census Tract 506	Minority and English isolation
Block Group 2	Census Tract 506	Minority
Block Group 1	Census Tract 507	Minority and English isolation
Block Group 2	Census Tract 507	Minority, income and English isolation
Block Group 3	Census Tract 507	Minority and English isolation
Block Group 1	Census Tract 509.01	Minority and English isolation
Block Group 2	Census Tract 509.01	Minority
Block Group 2	Census Tract 701.04	Minority
Block Group 1	Census Tract 303.02	Minority
Block Group 3	Census Tract 304	English isolation
Block Group 2	Census Tract 501.01	Minority, income and English isolation
Block Group 1	Census Tract 502	Minority
Block Group 2	Census Tract 502	Minority
Block Group 4	Census Tract 502	Minority and English isolation
Block Group 3	Census Tract 503	Minority, income and English isolation
Block Group 2	Census Tract 504	Minority
Block Group 1	Census Tract 512	Minority and English isolation
Block Group 2	Census Tract 512	Minority
Block Group 3	Census Tract 512	Minority

Block Group 1	Census Tract 3536	Minority
Block Group 3	Census Tract 3536	Minority
Block Group 2	Census Tract 3537	Minority
Block Group 3	Census Tract 3537	Minority
Block Group 4	Census Tract 3537	Minority, income and English isolation
Block Group 1	Census Tract 3548	Minority
Block Group 5	Census Tract 3537	Minority and income
Block Group 1	Census Tract 3538	Minority
Block Group 3	Census Tract 3538	Minority
Block Group 4	Census Tract 3538	Minority
Block Group 2	Census Tract 3539	Minority
Block Group 3	Census Tract 3539	Minority
Block Group 1	Census Tract 3540	Minority
Block Group 2	Census Tract 3540	Minority
Block Group 3	Census Tract 3540	Minority
Block Group 1	Census Tract 3541	Minority
Block Group 2	Census Tract 3541	Minority
Block Group 2	Census Tract 3544	Minority
Block Group 2	Census Tract 3545	Minority
Block Group 1	Census Tract 3546.02	Minority
Block Group 3	Census Tract 3546.02	Minority
Block Group 2	Census Tract 3548	Minority
Block Group 3	Census Tract 3550	Minority
Block Group 1	Census Tract 3416	Minority
Block Group 5	Census Tract 3416	Minority
Block Group 2	Census Tract 3417	Minority
Block Group 4	Census Tract 3417	Minority and income
Block Group 5	Census Tract 3417	Minority
Block Group 2	Census Tract 3395	Minority and income
Block Group 1	Census Tract 3396	Minority
Block Group 2	Census Tract 3396	Minority
Block Group 4	Census Tract 3415	Minority
Block Group 3	Census Tract 3416	Minority
Block Group 4	Census Tract 3416	Minority
Block Group 6	Census Tract 3416	Minority
Block Group 3	Census Tract 3396	Minority
Block Group 6	Census Tract 3396	Minority
Block Group 3	Census Tract 3397	Minority
Block Group 3	Census Tract 3398.02	Minority
Block Group 2	Census Tract 3398.04	Minority
Block Group 1	Census Tract 3399	Minority
Block Group 2	Census Tract 3399	Minority
Block Group 1	Census Tract 3397	Minority
Block Group 2	Census Tract 3397	Minority
Block Group 3	Census Tract 3417	Minority
Block Group 2	Census Tract 3416	Minority
Block Group 1	Census Tract 3417	Minority
Block Group 1	Census Tract 3418	Minority and English isolation
Block Group 1	Census Tract 3400	Minority
Block Group 2	Census Tract 3418	Minority and income
Block Group 3	Census Tract 3418	Minority
Block Group 4	Census Tract 3418	Minority, income and English isolation
Block Group 5	Census Tract 3418	Minority, income and English isolation
Block Group 6	Census Tract 3418	Minority, income and English isolation
Block Group 2	Census Tract 3398.02	Minority
Block Group 3	Census Tract 3422.02	Minority
Block Group 1	Census Tract 3423.01	Minority
Block Group 2	Census Tract 3423.01	Minority
Block Group 2	Census Tract 3423.02	Minority
Block Group 1	Census Tract 3424.01	Minority
Block Group 3	Census Tract 3424.01	Minority
Block Group 4	Census Tract 3399	Minority
Block Group 1	Census Tract 3391.01	Minority
Block Group 5	Census Tract 3396	Minority
Block Group 1	Census Tract 3421.01	Minority and income
Block Group 3	Census Tract 3421.01	Minority, income and English isolation
Block Group 2	Census Tract 3421.02	Minority
Block Group 3	Census Tract 3422.01	Minority and English isolation
Block Group 4	Census Tract 3422.01	Minority
Block Group 4	Census Tract 3397	Minority
Block Group 1	Census Tract 3501.06	Minority
Block Group 1	Census Tract 3501.07	Minority
Block Group 1	Census Tract 3501.08	Minority and income
Block Group 2	Census Tract 3501.08	Minority
Block Group 1	Census Tract 3398.02	Minority
Block Group 4	Census Tract 3398.02	Minority
Block Group 1	Census Tract 3398.04	Minority
Block Group 1	Census Tract 3501.09	Minority
Block Group 1	Census Tract 3502.01	Minority
Block Group 2	Census Tract 3502.01	Minority
Block Group 3	Census Tract 3502.01	Minority

Block Group 1	Census Tract 3502.02	Minority
Block Group 1	Census Tract 3398.03	Minority
Block Group 2	Census Tract 3398.03	Minority
Block Group 3	Census Tract 3398.04	Minority
Block Group 3	Census Tract 3399	Minority
Block Group 2	Census Tract 3422.02	Minority
Block Group 3	Census Tract 3423.02	Minority
Block Group 2	Census Tract 3425.01	Minority and income
Block Group 2	Census Tract 3424.01	Minority, income and English isolation
Block Group 5	Census Tract 3399	Minority and English isolation
Block Group 2	Census Tract 3400	Minority
Block Group 3	Census Tract 3400	Minority
Block Group 2	Census Tract 3419.01	Minority
Block Group 1	Census Tract 3419.03	Minority
Block Group 2	Census Tract 3419.03	Minority
Block Group 1	Census Tract 3419.04	Minority
Block Group 3	Census Tract 3401	Minority
Block Group 1	Census Tract 3411.01	Minority
Block Group 2	Census Tract 3502.02	Minority
Block Group 3	Census Tract 3502.02	Minority
Block Group 1	Census Tract 3506	Minority
Block Group 3	Census Tract 3391.01	Minority and income
Block Group 1	Census Tract 3411.02	Minority and English isolation
Block Group 2	Census Tract 3411.02	Minority
Block Group 1	Census Tract 3424.02	Minority
Block Group 3	Census Tract 3424.02	Minority and English isolation
Block Group 1	Census Tract 3425.01	Minority and English isolation
Block Group 1	Census Tract 3425.02	Minority and English isolation
Block Group 1	Census Tract 3412	Minority
Block Group 2	Census Tract 3412	Minority and English isolation
Block Group 3	Census Tract 3412	Minority
Block Group 1	Census Tract 3413.01	Minority, income and English isolation
Block Group 2	Census Tract 3413.01	Minority and English isolation
Block Group 2	Census Tract 3419.04	Minority and income
Block Group 2	Census Tract 3421.01	Minority
Block Group 4	Census Tract 3421.01	Minority and English isolation
Block Group 1	Census Tract 3421.02	Minority
Block Group 3	Census Tract 3413.01	Minority and income
Block Group 4	Census Tract 3413.01	Minority and English isolation
Block Group 1	Census Tract 3413.02	Minority
Block Group 1	Census Tract 3415	Minority
Block Group 1	Census Tract 3419.01	Minority
Block Group 3	Census Tract 3419.03	Minority
Block Group 1	Census Tract 3423.02	Minority
Block Group 3	Census Tract 3419.04	Minority and income
Block Group 3	Census Tract 3415	Minority
Block Group 4	Census Tract 3412	Minority
Block Group 5	Census Tract 3412	Minority
Block Group 1	Census Tract 3414	Minority and English isolation
Block Group 2	Census Tract 3414	Minority and English isolation
Block Group 2	Census Tract 3425.02	Minority
Block Group 1	Census Tract 3426	Minority
Block Group 2	Census Tract 3426	Minority, income and English isolation
Block Group 3	Census Tract 3426	Minority
Block Group 1	Census Tract 3501.05	Minority
Block Group 1	Census Tract 3395	Minority
Block Group 3	Census Tract 3414	Minority
Block Group 4	Census Tract 3414	Minority
Block Group 2	Census Tract 3415	Minority and English isolation
Block Group 5	Census Tract 3414	Minority
Block Group 5	Census Tract 3415	Minority and English isolation
Block Group 3	Census Tract 3421.02	Minority
Block Group 4	Census Tract 3421.02	Minority
Block Group 1	Census Tract 3422.01	Minority and income
Block Group 2	Census Tract 3422.01	Minority and English isolation
Block Group 1	Census Tract 3422.02	Minority and income
Block Group 2	Census Tract 7.03	Minority and income
Block Group 2	Census Tract 1.01	Minority
Block Group 2	Census Tract 4001	Minority
Block Group 1	Census Tract 4002.02	Minority, income and English isolation
Block Group 1	Census Tract 4003	Minority
Block Group 3	Census Tract 4005	Minority
Block Group 1	Census Tract 4001	Minority
Block Group 3	Census Tract 4001	Minority
Block Group 2	Census Tract 4007	Minority
Block Group 4	Census Tract 4001	Minority
Block Group 5	Census Tract 4001	Minority
Block Group 1	Census Tract 4002.01	Minority
Block Group 2	Census Tract 4002.02	Minority
Block Group 3	Census Tract 4007	Minority
Block Group 2	Census Tract 4008	Minority

Block Group 3	Census Tract 4008	Minority
Block Group 1	Census Tract 4009	Minority
Block Group 2	Census Tract 4003	Minority
Block Group 3	Census Tract 4009	Minority
Block Group 1	Census Tract 4010	Minority
Block Group 3	Census Tract 4003	Minority
Block Group 1	Census Tract 4004.01	Minority
Block Group 2	Census Tract 4004.01	Minority
Block Group 1	Census Tract 4008	Minority
Block Group 2	Census Tract 4005	Minority
Block Group 4	Census Tract 4005	Minority
Block Group 1	Census Tract 4007	Minority
Block Group 4	Census Tract 4008	Minority
Block Group 2	Census Tract 4009	Minority and income
Block Group 2	Census Tract 4010	Minority
Block Group 3	Census Tract 4010	Minority
Block Group 1	Census Tract 4173	Minority
Block Group 1	Census Tract 9813	Minority
Block Group 1	Census Tract 1006.03	Minority
Block Group 2	Census Tract 1006.03	Minority
Block Group 3	Census Tract 1605.01	Minority
Block Group 4	Census Tract 1605.01	Minority, income and English isolation
Block Group 5	Census Tract 1605.01	Minority and income
Block Group 1	Census Tract 1605.02	Minority, income and English isolation
Block Group 3	Census Tract 1605.02	Minority
Block Group 4	Census Tract 1605.02	Minority, income and English isolation
Block Group 1	Census Tract 1203.01	Minority
Block Group 1	Census Tract 1204	Minority
Block Group 4	Census Tract 1204	Minority
Block Group 5	Census Tract 1605.02	Minority
Block Group 3	Census Tract 1606.01	Minority
Block Group 4	Census Tract 1606.01	Minority
Block Group 5	Census Tract 1204	Minority
Block Group 1	Census Tract 1205	Minority
Block Group 2	Census Tract 1205	Minority and English isolation
Block Group 2	Census Tract 1207	Minority
Block Group 2	Census Tract 1606.02	Minority
Block Group 2	Census Tract 1603	Minority and income
Block Group 1	Census Tract 1604	Minority, income and English isolation
Block Group 2	Census Tract 1604	Minority, income and English isolation
Block Group 1	Census Tract 1606.01	Minority and income
Block Group 2	Census Tract 1606.01	Minority
Block Group 2	Census Tract 1704	Minority and income
Block Group 3	Census Tract 1704	Minority and income
Block Group 4	Census Tract 1704	Minority and English isolation
Block Group 1	Census Tract 1606.02	Minority
Block Group 4	Census Tract 1606.02	Minority, income and English isolation
Block Group 5	Census Tract 1606.02	Minority
Block Group 1	Census Tract 1701.01	Minority
Block Group 2	Census Tract 1701.01	Minority
Block Group 3	Census Tract 1701.01	Minority
Block Group 1	Census Tract 1701.02	Minority and English isolation
Block Group 2	Census Tract 1701.02	Minority
Block Group 3	Census Tract 1701.02	Minority
Block Group 4	Census Tract 1701.02	Minority and income
Block Group 1	Census Tract 1702	Minority and income
Block Group 2	Census Tract 1702	Minority, income and English isolation
Block Group 4	Census Tract 1702	Minority and income
Block Group 1	Census Tract 1706.01	Minority
Block Group 3	Census Tract 1706.01	Minority
Block Group 4	Census Tract 1706.01	Minority and income
Block Group 3	Census Tract 1707.02	Minority and income
Block Group 1	Census Tract 1703.01	Minority
Block Group 2	Census Tract 1703.01	Minority
Block Group 3	Census Tract 1703.01	Minority
Block Group 4	Census Tract 1703.01	Minority
Block Group 1	Census Tract 1703.02	Minority
Block Group 3	Census Tract 1703.02	Minority
Block Group 5	Census Tract 1704	Minority
Block Group 2	Census Tract 1705.02	Minority and income
Block Group 1	Census Tract 1705.03	Minority
Block Group 1	Census Tract 1705.04	Minority
Block Group 2	Census Tract 1705.04	Minority
Block Group 2	Census Tract 1706.01	Minority
Block Group 2	Census Tract 1203.01	Minority
Block Group 3	Census Tract 1203.01	Minority
Block Group 4	Census Tract 1203.01	Minority
Block Group 3	Census Tract 1205	Minority
Block Group 1	Census Tract 1206	Minority
Block Group 1	Census Tract 1601.02	Minority and English isolation
Block Group 2	Census Tract 1601.02	Minority and English isolation

Block Group 3	Census Tract 1601.02	Minority
Block Group 2	Census Tract 1707.01	Minority
Block Group 1	Census Tract 1707.02	Minority, income and English isolation
Block Group 2	Census Tract 1707.02	Minority and income
Block Group 4	Census Tract 1707.02	Minority and English isolation
Block Group 3	Census Tract 1606.02	Minority
Block Group 3	Census Tract 1702	Minority and income
Block Group 1	Census Tract 1704	Minority
Block Group 2	Census Tract 1206	Minority
Block Group 3	Census Tract 1206	Minority
Block Group 1	Census Tract 1207	Minority
Block Group 4	Census Tract 1601.02	Minority, income and English isolation
Block Group 1	Census Tract 1601.03	Minority and English isolation
Block Group 2	Census Tract 1601.03	Minority and English isolation
Block Group 3	Census Tract 1601.03	Minority
Block Group 4	Census Tract 1601.03	Minority and English isolation
Block Group 1	Census Tract 1602	Minority and English isolation
Block Group 2	Census Tract 1602	Minority, income and English isolation
Block Group 3	Census Tract 1602	Minority and English isolation
Block Group 1	Census Tract 1708	Minority
Block Group 4	Census Tract 1801.01	Minority
Block Group 1	Census Tract 1802	Minority
Block Group 2	Census Tract 1802	Income
Block Group 4	Census Tract 1602	Minority and income
Block Group 1	Census Tract 1603	Minority
Block Group 3	Census Tract 1604	Minority
Block Group 4	Census Tract 1604	Minority and income
Block Group 1	Census Tract 1605.01	Minority
Block Group 2	Census Tract 1605.01	Minority and income
Block Group 3	Census Tract 1802	Income
Block Group 1	Census Tract 1805	Minority
Block Group 3	Census Tract 1805	Minority
Block Group 1	Census Tract 9803	Minority
Block Group 1	Census Tract 8.06	Minority and income
Block Group 1	Census Tract 101.03	Minority, income and English isolation
Block Group 3	Census Tract 101.03	Minority
Block Group 2	Census Tract 101.04	Minority
Block Group 1	Census Tract 102.04	Minority and income
Block Group 2	Census Tract 102.04	Minority
Block Group 3	Census Tract 102.04	Minority and income
Block Group 1	Census Tract 102.05	Minority
Block Group 2	Census Tract 102.05	Minority
Block Group 3	Census Tract 102.05	Minority and income
Block Group 1	Census Tract 911	Minority
Block Group 2	Census Tract 812	Minority and income
Block Group 5	Census Tract 817	Minority and income
Block Group 2	Census Tract 919	Minority and income
Block Group 1	Census Tract 712.01	Minority
Block Group 4	Census Tract 102.05	Minority, income and English isolation
Block Group 1	Census Tract 102.06	Minority
Block Group 2	Census Tract 102.06	Minority and income
Block Group 1	Census Tract 103	Minority and income
Block Group 2	Census Tract 103	Minority
Block Group 1	Census Tract 501.01	Minority
Block Group 3	Census Tract 501.01	Minority
Block Group 2	Census Tract 408.01	Minority and income
Block Group 3	Census Tract 502	Minority, income and English isolation
Block Group 1	Census Tract 503	Minority
Block Group 2	Census Tract 503	Minority and income
Block Group 1	Census Tract 504	Minority
Block Group 1	Census Tract 817	Minority and income
Block Group 2	Census Tract 817	Minority and income
Block Group 4	Census Tract 817	Minority and income
Block Group 1	Census Tract 818	Minority and income
Block Group 2	Census Tract 818	Minority
Block Group 2	Census Tract 806.01	Minority and income
Block Group 1	Census Tract 606.04	Minority
Block Group 3	Census Tract 610	Minority and income
Block Group 2	Census Tract 611.01	Minority, income and English isolation
Block Group 1	Census Tract 611.01	Minority and income
Block Group 1	Census Tract 104.03	Minority and income
Block Group 2	Census Tract 104.03	Minority and income
Block Group 3	Census Tract 104.03	Minority
Block Group 1	Census Tract 104.04	Minority
Block Group 4	Census Tract 104.04	Minority and income
Block Group 1	Census Tract 104.05	Minority
Block Group 1	Census Tract 505	Minority
Block Group 1	Census Tract 506	Minority and English isolation
Block Group 2	Census Tract 506	Minority
Block Group 1	Census Tract 507	Minority and English isolation
Block Group 2	Census Tract 507	Minority, income and English isolation

Block Group 3	Census Tract 509.01	Minority, income and English isolation
Block Group 3	Census Tract 818	Minority and income
Block Group 2	Census Tract 819	Minority and income
Block Group 3	Census Tract 819	Minority
Block Group 4	Census Tract 819	Minority, income and English isolation
Block Group 3	Census Tract 820	Minority and income
Block Group 1	Census Tract 821	Minority, income and English isolation
Block Group 4	Census Tract 910.01	Minority
Block Group 1	Census Tract 701.04	Minority
Block Group 2	Census Tract 104.05	Minority and income
Block Group 3	Census Tract 104.05	Minority, income and English isolation
Block Group 1	Census Tract 104.08	Minority
Block Group 1	Census Tract 105	Minority and income
Block Group 2	Census Tract 105	Minority, income and English isolation
Block Group 3	Census Tract 105	Minority
Block Group 1	Census Tract 510	Minority
Block Group 3	Census Tract 507	Minority and English isolation
Block Group 1	Census Tract 509.01	Minority and English isolation
Block Group 2	Census Tract 509.01	Minority
Block Group 2	Census Tract 821	Minority
Block Group 3	Census Tract 821	Minority and income
Block Group 1	Census Tract 901	Minority and income
Block Group 2	Census Tract 901	Minority and income
Block Group 3	Census Tract 901	Minority
Block Group 2	Census Tract 701.04	Minority
Block Group 3	Census Tract 701.04	Minority and English isolation
Block Group 1	Census Tract 701.02	Minority, income and English isolation
Block Group 3	Census Tract 711.01	Minority and English isolation
Block Group 3	Census Tract 703.02	Minority
Block Group 1	Census Tract 106	Minority
Block Group 2	Census Tract 106	Minority
Block Group 3	Census Tract 106	Minority
Block Group 1	Census Tract 107.01	Minority
Block Group 1	Census Tract 108.01	Minority
Block Group 1	Census Tract 202	Minority
Block Group 2	Census Tract 202	Minority
Block Group 2	Census Tract 510	Minority and income
Block Group 3	Census Tract 510	Minority
Block Group 1	Census Tract 511.01	Minority and English isolation
Block Group 3	Census Tract 511.01	Minority
Block Group 4	Census Tract 901	Minority and income
Block Group 1	Census Tract 902	Minority, income and English isolation
Block Group 2	Census Tract 902	Minority, income and English isolation
Block Group 3	Census Tract 902	Minority and income
Block Group 2	Census Tract 815	Minority
Block Group 3	Census Tract 817	Minority and income
Block Group 1	Census Tract 820	Minority
Block Group 2	Census Tract 820	Minority and income
Block Group 4	Census Tract 904	Minority
Block Group 1	Census Tract 203.01	Minority
Block Group 1	Census Tract 203.04	Minority
Block Group 2	Census Tract 203.05	Minority
Block Group 4	Census Tract 511.01	Minority
Block Group 2	Census Tract 606.04	Minority
Block Group 1	Census Tract 607	Minority and income
Block Group 2	Census Tract 607	Minority, income and English isolation
Block Group 2	Census Tract 610	Minority and income
Block Group 1	Census Tract 903	Minority, income and English isolation
Block Group 2	Census Tract 903	Minority, income and English isolation
Block Group 3	Census Tract 903	Minority and income
Block Group 1	Census Tract 904	Minority
Block Group 2	Census Tract 904	Minority
Block Group 1	Census Tract 303.02	Minority
Block Group 1	Census Tract 402	Minority and income
Block Group 2	Census Tract 402	Minority
Block Group 1	Census Tract 403	Minority
Block Group 1	Census Tract 612.03	Minority
Block Group 2	Census Tract 701.02	Minority
Block Group 3	Census Tract 701.02	Minority
Block Group 1	Census Tract 701.03	Minority
Block Group 1	Census Tract 702.01	Minority, income and English isolation
Block Group 3	Census Tract 904	Minority and income
Block Group 2	Census Tract 906	Minority, income and English isolation
Block Group 2	Census Tract 907	Minority
Block Group 2	Census Tract 909.01	Minority and income
Block Group 3	Census Tract 911	Minority and income
Block Group 4	Census Tract 911	Minority
Block Group 5	Census Tract 911	Minority
Block Group 1	Census Tract 912	Minority
Block Group 2	Census Tract 912	Minority
Block Group 3	Census Tract 912	Minority

Block Group 2	Census Tract 702.01	Minority
Block Group 1	Census Tract 702.02	Minority, income and English isolation
Block Group 2	Census Tract 702.02	Minority, income and English isolation
Block Group 2	Census Tract 703.01	Minority
Block Group 1	Census Tract 703.02	Minority
Block Group 2	Census Tract 704.02	Minority, income and English isolation
Block Group 2	Census Tract 913	Minority and income
Block Group 1	Census Tract 915	Minority
Block Group 2	Census Tract 915	Minority and English isolation
Block Group 3	Census Tract 915	Minority and income
Block Group 1	Census Tract 913	Minority and income
Block Group 2	Census Tract 914	Minority and income
Block Group 1	Census Tract 914	Minority and income
Block Group 4	Census Tract 920	Minority and income
Block Group 1	Census Tract 921.01	Minority and English isolation
Block Group 2	Census Tract 705.01	Minority
Block Group 1	Census Tract 705.02	Minority
Block Group 1	Census Tract 708.01	Minority
Block Group 1	Census Tract 708.02	Minority
Block Group 2	Census Tract 708.02	Minority
Block Group 1	Census Tract 709.01	Minority, income and English isolation
Block Group 2	Census Tract 709.02	Minority
Block Group 1	Census Tract 916	Minority
Block Group 2	Census Tract 916	Minority
Block Group 3	Census Tract 916	Minority, income and English isolation
Block Group 1	Census Tract 917	Minority
Block Group 2	Census Tract 917	Minority and income
Block Group 1	Census Tract 1.01	Minority
Block Group 2	Census Tract 8.05	Minority and income
Block Group 1	Census Tract 711.01	Minority
Block Group 4	Census Tract 711.01	Minority
Block Group 2	Census Tract 712.01	Minority and income
Block Group 3	Census Tract 712.01	Minority
Block Group 4	Census Tract 712.01	Minority, income and English isolation
Block Group 3	Census Tract 917	Minority, income and English isolation
Block Group 1	Census Tract 918	Minority
Block Group 2	Census Tract 918	Minority and income
Block Group 3	Census Tract 918	Minority
Block Group 1	Census Tract 919	Minority and income
Block Group 1	Census Tract 704.02	Minority
Block Group 2	Census Tract 705.02	Minority, income and English isolation
Block Group 1	Census Tract 707	Minority and income
Block Group 2	Census Tract 707	Minority
Block Group 2	Census Tract 711.01	Minority
Block Group 1	Census Tract 709.02	Minority
Block Group 2	Census Tract 101.03	Minority
Block Group 1	Census Tract 801	Minority and income
Block Group 2	Census Tract 801	Minority and income
Block Group 1	Census Tract 803	Minority and income
Block Group 2	Census Tract 803	Minority and income
Block Group 3	Census Tract 919	Minority and income
Block Group 4	Census Tract 919	Minority and English isolation
Block Group 1	Census Tract 920	Minority, income and English isolation
Block Group 2	Census Tract 920	Minority
Block Group 3	Census Tract 920	Minority
Block Group 4	Census Tract 921.01	Minority, income and English isolation
Block Group 5	Census Tract 921.01	Minority
Block Group 3	Census Tract 921.01	Minority
Block Group 2	Census Tract 203.04	Minority
Block Group 3	Census Tract 304	English isolation
Block Group 1	Census Tract 804.01	Minority and income
Block Group 2	Census Tract 804.01	Minority, income and English isolation
Block Group 1	Census Tract 806.01	Minority and income
Block Group 1	Census Tract 809	Minority
Block Group 2	Census Tract 921.01	Minority and English isolation
Block Group 1	Census Tract 922	Minority
Block Group 2	Census Tract 922	Minority
Block Group 4	Census Tract 922	Minority and income
Block Group 1	Census Tract 906	Minority, income and English isolation
Block Group 1	Census Tract 907	Minority
Block Group 3	Census Tract 907	Minority
Block Group 4	Census Tract 907	Minority
Block Group 1	Census Tract 7.03	Minority and income
Block Group 2	Census Tract 8.04	Minority
Block Group 1	Census Tract 8.05	Minority
Block Group 3	Census Tract 8.05	Minority and income
Block Group 2	Census Tract 810.01	Minority and income
Block Group 4	Census Tract 810.01	Minority, income and English isolation
Block Group 5	Census Tract 810.01	Minority
Block Group 1	Census Tract 811.01	Minority
Block Group 1	Census Tract 805	Minority

Block Group 2	Census Tract 805	Minority, income and English isolation
Block Group 3	Census Tract 806.01	Minority, income and English isolation
Block Group 1	Census Tract 808.01	Minority and income
Block Group 2	Census Tract 8.06	Minority and income
Block Group 1	Census Tract 8.07	Minority
Block Group 1	Census Tract 101.04	Minority
Block Group 2	Census Tract 811.01	Minority
Block Group 1	Census Tract 811.02	Minority and income
Block Group 2	Census Tract 811.02	Minority and English isolation
Block Group 1	Census Tract 812	Minority
Block Group 3	Census Tract 101.04	Minority and income
Block Group 2	Census Tract 104.04	Minority and income
Block Group 3	Census Tract 104.04	Minority and income
Block Group 1	Census Tract 203.05	Minority
Block Group 1	Census Tract 404.01	Minority
Block Group 3	Census Tract 812	Minority and income
Block Group 1	Census Tract 813.01	Minority, income and English isolation
Block Group 2	Census Tract 813.01	Minority, income and English isolation
Block Group 1	Census Tract 813.02	Minority and income
Block Group 2	Census Tract 813.02	Minority
Block Group 2	Census Tract 511.01	Minority, income and English isolation
Block Group 1	Census Tract 909.01	Minority, income and English isolation
Block Group 2	Census Tract 910.01	Minority
Block Group 2	Census Tract 911	Minority
Block Group 1	Census Tract 910.01	Minority and English isolation
Block Group 1	Census Tract 406	Minority
Block Group 2	Census Tract 501.01	Minority, income and English isolation
Block Group 1	Census Tract 502	Minority
Block Group 2	Census Tract 502	Minority
Block Group 4	Census Tract 502	Minority and English isolation
Block Group 3	Census Tract 503	Minority, income and English isolation
Block Group 2	Census Tract 504	Minority
Block Group 1	Census Tract 408.01	Minority and income
Block Group 1	Census Tract 814	Minority and income
Block Group 2	Census Tract 814	Minority
Block Group 3	Census Tract 814	Minority and income
Block Group 4	Census Tract 814	Minority and income
Block Group 2	Census Tract 808.01	Minority and income
Block Group 1	Census Tract 512	Minority and English isolation
Block Group 2	Census Tract 512	Minority
Block Group 3	Census Tract 512	Minority
Block Group 1	Census Tract 819	Minority and income
Block Group 2	Census Tract 809	Minority
Block Group 3	Census Tract 809	Minority
Block Group 1	Census Tract 810.01	Minority
Block Group 3	Census Tract 810.01	Minority, income and English isolation
Block Group 1	Census Tract 815	Minority and income
Block Group 1	Census Tract 7.04	Minority
Block Group 2	Census Tract 7.04	Minority
Block Group 3	Census Tract 7.04	Minority
Block Group 4	Census Tract 7.04	Minority and income
Block Group 1	Census Tract 8.04	Minority and income
Block Group 4	Census Tract 1708	Minority
Block Group 3	Census Tract 1801.01	Income
Block Group 5	Census Tract 1707.02	Minority
Block Group 2	Census Tract 1708	Minority and income
Block Group 3	Census Tract 1708	Minority and income
Block Group 1	Census Tract 1707.01	Minority and income

Attachment J
List of Municipal and Federal Permits

Agency	Permit/License/Approval	Reason of Required Permit
City of Boston Conservation Commission	Order of Conditions	Work is proposed within and near wetland resource areas
United States Army Corps of Engineers	Pre-Construction Notification	Stabilization activities in Waters of the U.S. (WOTUS)

Attachment K
Circulation

MEPA Distribution List

Agency	Email Address	Address
Massachusetts Environmental Policy Act (MEPA) Office	MEPA@mass.gov	MEPA Office 100 Cambridge Street, Suite 900 Boston, MA 02114
Department of Environmental Protection, Boston Office	helena.boccardo@mass.gov	Commissioner's Office One Winter Street Boston, MA 02108
Department of Environmental Protection, Appropriate Regional Office and to each program from which a permit will be sought	Catherine.Skiba@mass.gov Sean.Gonsalves@mass.gov	DEP/Western Regional Office Attn: MEPA Coordinator State House West - 4th floor 436 Dwight Street Springfield, MA 01103
	george.zoto@mass.gov jonathan.hobill@mass.gov	DEP/Southeastern Regional Office Attn: MEPA Coordinator 20 Riverside Drive Lakeville, MA 02347
	andrea.briggs@mass.gov	DEP/Central Regional Office Attn: MEPA Coordinator 8 New Bond Street Worcester, MA 01606
	john.d.viola@mass.gov	DEP/Northeast Regional Office Attn: MEPA Coordinator 150 Presidential Way Woburn, MA 01801
Massachusetts Department of Transportation - Boston	MassDOTPPDU@dot.state.ma.us	Public/Private Development Unit 10 Park Plaza, Suite #4150 Boston, MA 02116
Massachusetts Department of Transportation – District Office	patrick.tierney@dot.state.ma.us	District #1 Attn: MEPA Coordinator 270 Main Street Lenox, MA 01240
	bao.lang@dot.state.ma.us garrett.postema@dot.state.ma.us	District #2 Attn: MEPA Coordinator 811 North King Street Northampton, MA 01060
	Kevin.R.Robenhymer@dot.state.ma.us Eric.Nascimento@dot.state.ma.us	District #3 Attn: MEPA Coordinator 499 Plantation Parkway Worcester, MA 01605
	timothy.paris@dot.state.ma.us	District #4 Attn: MEPA Coordinator 519 Appleton Street Arlington, MA 02476

	Cindy.McConarty@dot.state.ma.us	District #5 Attn: MEPA Coordinator 1000 County Street Taunton, MA 02780
	michael.garrity@dot.state.ma.us	District #6 Attn: MEPA Coordinator 185 Kneeland Street Boston, MA 02111
Massachusetts Historical Commission	Mail a hard copy of the filing to MHC.	The MA Archives Building 220 Morrissey Boulevard Boston, MA 02125
Applicable Regional Planning Agency	Refer to Regional Planning Agency list.	View list of Regional Planning Agency contacts appended to this document.
In each municipality affected by the Project	Coordinate with each municipality.	City Council or Board of Selectmen
		Planning Board/Department
		Conservation Commission
		Department/Board of Health
If the Project is located within five miles of an Environmental Justice Population	EEA Environmental Justice Director MEPA-EJ@mass.gov	MEPA Office Attn: EEA EJ Director 100 Cambridge Street, Suite 900 Boston, MA 02144
If the project is in a Coastal Zone Community	sean.duffey@mass.gov patrice.bordonaro@mass.gov	Coastal Zone Management Attn: Project Review Coordinator 100 Cambridge Street, Suite 900 Boston, MA 02144
	DMF.EnvReview-North@mass.gov	From Hull to New Hampshire Border DMF – North Shore Attn: Environmental Reviewer 30 Emerson Avenue Gloucester, MA 01930

	DMF.EnvReview-South@mass.gov	From Cohasset to Rhode Island Border DMF – South Shore Attn: Environmental Reviewer 836 South Rodney French Blvd New Bedford, MA, 02744
If the project site has been in agricultural use within the last fifteen years	barbara.hopson@mass.gov	Department of Agricultural Resources Attn: MEPA Coordinator 138 Memorial Avenue, Suite 42 West Springfield, MA 01089
If the Project site is within or contains designated significant or estimated habitat, or priority sites of endangered or threatened species or species of special concern in accordance with the Massachusetts Endangered Species Act	melany.cheeseman@mass.gov emily.holt@mass.gov	Natural Heritage and Endangered Species Program Division of Fisheries & Wildlife 1 Rabbit Hill Road Westborough, MA 01581
If the Project affects DCR roadways, watersheds or other properties or an ACEC	andy.backman@mass.gov	DCR Attn: MEPA Coordinator 251 Causeway St. Suite 600 Boston MA 02114
If the Project implicates public health impacts	dphtoxicology@massmail.state.ma.us	Department of Public Health Director of Environmental Health 250 Washington Street Boston, MA 02115
If the Project is subject to Greenhouse Gas Emissions Policy or to review by Energy Facilities Siting Board	andrew.greene@mass.gov yonathan.mengesha@mass.gov	Energy Facilities Siting Board Attn: MEPA Coordinator One South Station Boston, MA 02110
	paul.ormond@mass.gov	Department of Energy Resources Attn: MEPA Coordinator 100 Cambridge Street, 10th floor Boston, MA 02114
If the Project is in a municipality served by the Massachusetts Water Resources Authority (MWRA)	Hillary.Monahan@mwra.com	Massachusetts Water Resource Authority Attn: MEPA Coordinator 33 Tafts Avenue Deer Island Boston, MA 02128
If the Project affects Massachusetts Bay Transportation Authority (MBTA) facilities or properties	MEPAcoordinator@mbta.com jblankenship@mbta.com	Massachusetts Bay Transit Authority Attn: MEPA Coordinator 10 Park Plaza, 6th Fl. Boston, MA 02116-3966

Any other Agency from which an Agency Action (including Permits, Land Transfers and Financial Assistance) may be required for the Project

Regional Planning Agency Distribution List

Find your Regional Planning Agency (RPA) [here](#) by clicking on the statewide map at the bottom of the webpage.

Regional Planning Agency	Email and/or Mailing Address
Berkshire Regional Planning Commission (BRPC)	tmatuszko@berkshireplanning.org mprovencher@berkshireplanning.org OfficeAssistant@berkshireplanning.org
Cape Cod Commission (CCC)	ksenatori@capecodcommission.org regulatory@capecodcommission.org
Central Massachusetts Regional Planning Commission (CMRPC)	mepafiling@cmrpc.org
Franklin Regional Council of Governments (FRCoG) 12 Olive Street Greenfield, MA 01301	KMacPhee@frcog.org PSloan@frcog.org and 2 hard copies (Attn Kimberly MacPhee and Peggy Sloan; see address to the left)
Martha's Vineyard Commission (MVC)	turner@mvcommission.org morrison@mvcommission.org
Merrimack Valley Planning Commission (MVPC)	info@mvpc.org
Metropolitan Area Planning Council (MAPC)	mpillsbury@mapc.org afelix@mapc.org
Montachusett Regional Planning Commission (MRPC)	mrpc@mrpc.org
Nantucket Planning and Economic Development Commission (NPEDC)	avorce@nantucket-ma.gov
Northern Middlesex Council of Governments (NMCoG) 672 Suffolk Street, Suite 100 Lowell, MA 01854	jraitt@nmcog.org lshahbazian@nmcog.org and 1 hard copy (Attn Jennifer Raitt; see address to the left)
Pioneer Valley Planning Commission (PVPC) 60 Congress Street, 1 st Floor Springfield, MA 01104-3419	gmroux@pvpc.org and 1 hard copy (Attn Gary Roux; see address to the left)
Old Colony Planning Council (OCPC)	mwaldron@ocpcrpa.org kmowatt@ocpcrpa.org ckilmer@ocpcrpa.org

Southeastern Regional Planning and Economic Development District (SRPEDD)	jwalker@srpedd.org gking@srpedd.org dbelknap@srpedd.org Ideoliveira@srpedd.org lestrela@srpedd.org
---	--

Project-Specific EJ Distribution List

Populate this Project-Specific Distribution List with the appropriate contacts from all 4 tabs in the EJ Reference List workbook

Project Name: Piers Park II

Project Address: 95 Marginal Street, East Boston, MA 02128

MA Municipalities in Project's DGA: East Boston

Date Generated: 2/6/2025

Filing Type:

☒ ENF/EENF

☐ DEIR/FEIR

☒ SEIR

☐ Other

First Name	Last Name	Title	Phone	Email	Affiliation	Contact Type (autopopulates)
Claire	B.W. Muller	Movement Building Director	(508) 308-9261	claire@uumassaction.org	Unitarian Universalist Mass Action Network	Statewide CBO
Julia	Blatt	Executive Director	(617) 714-4272	juliablatt@massriversalliance.org	Mass Rivers Alliance	Statewide CBO
Jodi	Valenta	Massachusetts State Director	(617) 367-6200	Jodi.Valenta@tpl.org	The Trust for Public Land	Statewide CBO
Kerry	Bowie	Board President	Not Provided	kerry@msaadapartners.com	Browning the GreenSpace	Statewide CBO
Sylvia	Broude	Executive Director	(617) 292-4821	sylvia@communityactionworks.org	Community Action Works	Statewide CBO Local CBO
Heather	Clish	Director of Conservation & Recreation Policy	(617) 523-0655	hclish@outdoors.org	Appalachian Mountain Club	Statewide CBO
Brittney	Jenkins	Vice President	Not Provided	Bjenkins@clf.org	Conservation Law Foundation	Statewide CBO
Alex	St. Pierre	Director of Communities & Toxics	Not Provided	aestpierre@clf.org	Conservation Law Foundation	Statewide CBO
Paulina	Muratore	Director of Transportation Justice and Infrastructure	Not Provided	pmuratore@clf.org	Conservation Law Foundation	Statewide CBO
Breanne	Frank	Associate Attorney	Not Provided	bfrank@clf.org	Conservation Law Foundation	Statewide CBO
Amy	Boyd Rabin	Vice President of Policy	(617) 221-8258	aboydrabin@environmentalleague.org	Environmental League of Massachusetts	Statewide CBO
Zahra	Saifee	Policy & Advocacy Coordinator	(435) 632-9482	zsaifee@environmentalleague.org	Environmental League of Massachusetts	Statewide CBO
Ben	Hellerstein	MA State Director	(617) 747-4368	ben@environmentmassachusetts.org	Environment Massachusetts	Statewide CBO
Robb	Johnson	Executive Director	(978) 443-2233	robb@massland.org	Mass Land Trust Coalition	Statewide CBO
Cindy	Luppi	New England Director	(617) 338-8131 x208	cluppi@cleanwater.org	Clean Water Action	Statewide CBO
Dálida	Rocha	Executive Director	Not Provided	dalida@n2nma.org	Neighbor to Neighbor Mass.	Statewide CBO Local CBO
Lena Miles	Entin Gresham	Director of Individual Giving Campaign Director	Not Provided	Lena@N2NMa.org Miles@N2NMa.org	Neighbor to Neighbor Mass.	Statewide CBO Local CBO
Rob	Moir	Executive Director	Not Provided	rob@oceanriver.org	Ocean River Institute	Statewide CBO
Vickash	Mohanka	Director, MA Chapter	Not Provided	vick.mohanka@sierraclub.org	Sierra Club MA	Statewide CBO
Heidi	Ricci	Director of Policy	Not Provided	hricci@massaudubon.org	Mass Audubon	Statewide CBO
Alma	Gordon	President	Not Provided	tribalcouncil@chappaquiddick.org	Chappaquiddick Tribe of the Wampanoag Nation	Indigenous Org
Cheryll	Toney Holley	Chair	(774) 317-9138	crwritings@aol.com	Nipmuc Nation (Hassanamisco Nipmucs)	Indigenous Org
John	Peters, Jr.	Executive Director	(617) 573-1292	john.peters@mass.gov	Massachusetts Commission on Indian Affairs (MCIA)	Indigenous Org
Melissa	Ferretti	Chair	(508) 304-5023	melissa@herringpondtribe.org	Herring Pond Wampanoag Tribe	Indigenous Org
Patricia	D. Rocker	Council Chair	Not Provided	rockerpatriciad@verizon.net	Chappaquiddick Tribe of the Wampanoag Nation, Whale Clan	Indigenous Org
Raquel	Halsey	Executive Director	(617) 232-0343	rhalsey@naicob.org	North American Indian Center of Boston	Indigenous Org
Cora	Pierce	Not Provided	Not Provided	Coradot@yahoo.com	Pocasset Wampanoag Tribe	Indigenous Org
Elizabeth	Solomon	Not Provided	Not Provided	Solomon.Elizabeth@gmail.com	Massachusetts Tribe at Ponkapoag	Indigenous Org
Bettina	Washington	Tribal Historic Preservation Officer	(508) 560-9014	thpo@wampanoagtribe-nsn.gov	Wampanoag Tribe of Gay Head (Aquinnah)	Federal Tribe
Brian	Weeden	Chair	(774) 413-0520	Brian.Weeden@mwtribe-nsn.gov	Mashpee Wampanoag Tribe	Federal Tribe
David	Weeden	THPO/Director	(774) 327-0068	David.Weeden@mwtribe-nsn.gov	Mashpee Wampanoag Tribe	Federal Tribe
Nakia	Hendricks Jr.	Office Manager	Not Provided	106Review@mwtribe-nsn.gov	Mashpee Wampanoag Tribe	Federal Tribe
Patrick	Herron	Executive Director	Not Provided	Patrick.Herron@mysticriver.org	Mystic River Watershed Association	Local CBO
Karl	Alexander	Greenways Program Manager	Not Provided	karl.alexander@mysticriver.org	Mystic River Watershed Association	Local CBO
Marissa	Zampino	Community Organizer	Not Provided	marissa.zampino@mysticriver.org	Mystic River Watershed Association	Local CBO
Laura	Jasinski	Executive Director	Not Provided	ljaskinski@thecharles.org	Charles River Conservancy	Local CBO

Heather	Miller	Not Provided	(617) 540-5650 x1073	hmillier@crwa.org	Charles River Watershed Assoc.	Local CBO
Deb	Fastino	Executive Director	(617) 316-0456	dfastino@aol.com	Coalition for Social Justice	Local CBO
Chris	Marchi	Vice President	Not Provided	cbmarchi@gmail.com	Air, Inc.	Local CBO
Joy	Gary	Executive Director	(617) 825-3846	joy@bostonfarms.org	Boston Farms Community Land Trust	Local CBO
Kelly	Sherman	Manager of Waterfront Design	Not Provided	KSherman@BostonHarborNow	Boston Harbor Now	Local CBO
Lydia	Lowe	Executive Director	(617) 259-1503	lydia@chinatowncilt.org	Chinatown Community Land Tru	Local CBO
Karen	Chen	Executive Director	(617) 357-4499	karen@cpaboston.org	Chinese Progressive Association	Local CBO
Lee	Matsueda	Executive Director	(617) 723-2639	lee@massclu.org	Mass Community Labor United	Local CBO
Noemi	Mimi Ramos	Executive Director	Not Provided	mimi.neunited4justice@gmail.com	New England United for Justice	Local CBO

Attachment L
Project Plans Titled “Piers Park II Seawall Structural Rehabilitation,”
January 31, 2025 (3 Sheets)

MASSACHUSETTS PORT AUTHORITY
PIERS PARK II SEAWALL STRUCTURAL
REHABILITATION

95 MARGINAL ST
EAST BOSTON, MA 02128
JANUARY 31, 2025

Prepared for:
Massachusetts Port Authority

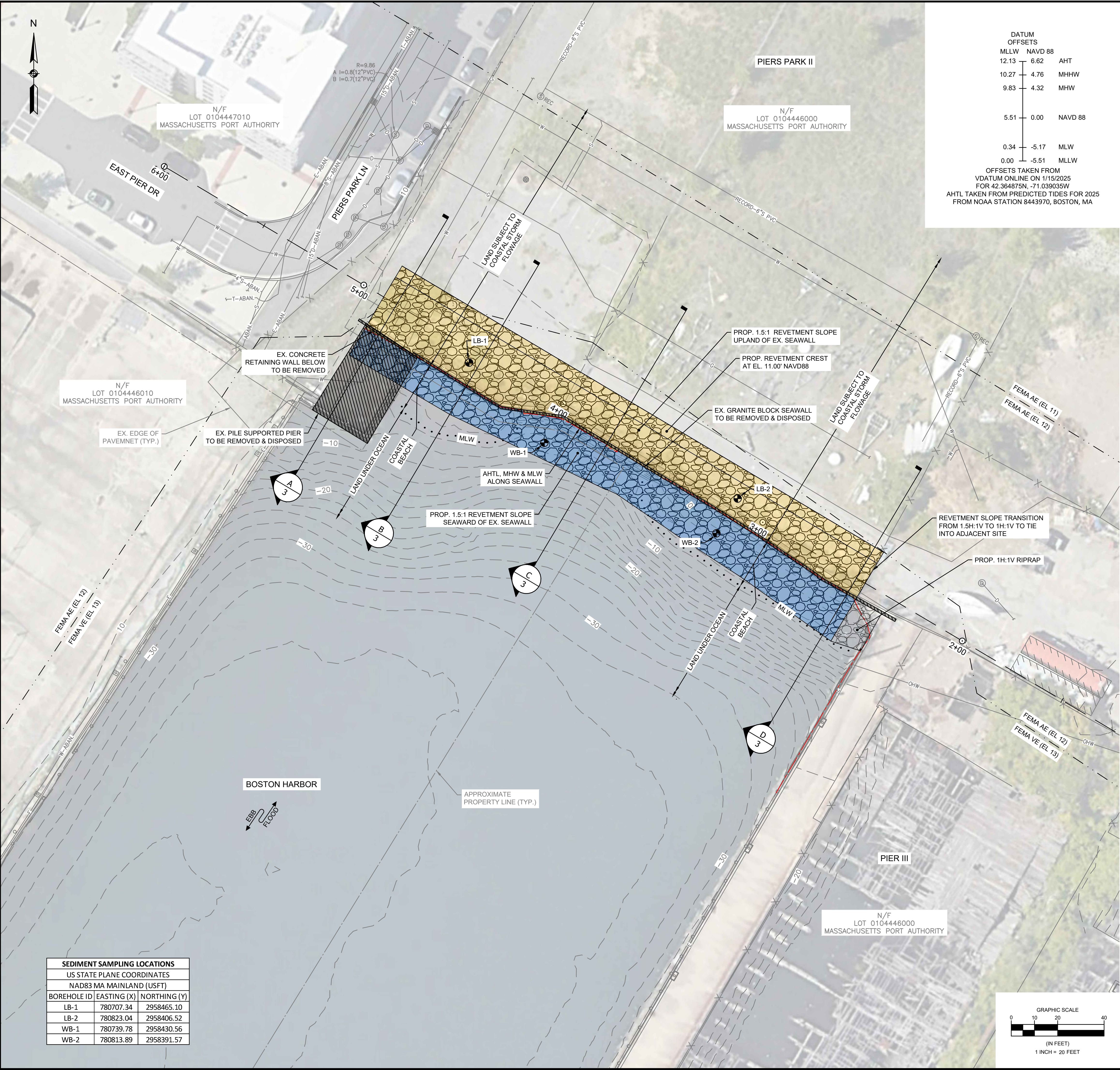


Prepared by:
Foth Infrastructure & Environment, LLC

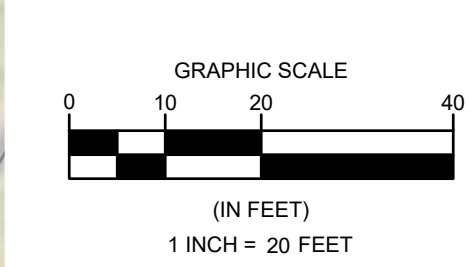


DRAWING INDEX	
SHEET NUMBER	TITLE
1	COVER SHEET
2	SITE PLAN & PROPOSED BORING LOCATIONS
3	SECTIONS

SHEET TITLE
COVER SHEET
SHEET NUMBER
1



SEDIMENT SAMPLING LOCATIONS		
US STATE PLANE COORDINATES		
NAD83 MA MAINLAND (USFT)		
BOREHOLE ID	EASTING (X)	NORTHING (Y)
LB-1	780707.34	2958465.10
LB-2	780823.04	2958406.52
WB-1	780739.78	2958430.56
WB-2	780813.89	2958391.57



DATUM OFFSETS		
MLLW	NAVD 88	AHT
12.13	6.62	
10.27	4.76	MHHW
9.83	4.32	MHW
5.51	0.00	NAVD 88
0.34	-5.17	MLW
0.00	-5.51	MLLW
OFFSETS TAKEN FROM		
VDATUM ONLINE ON 1/15/2025		
FOR 42.364875N, -71.039035W		
AHTL TAKEN FROM PREDICTED TIDES FOR 2025		
FROM NOAA STATION 8443970, BOSTON, MA		



LOCUS MAP
NOT TO SCALE

LEGEND	
	EXISTING CONTOURS
	MEAN LOW WATER (MLW)
	MEAN HIGH WATER (MHW)
	ANNUAL HIGH TIDE LINE (AHTL)
	PROPERTY LINE (MA GIS)
	FEMA FLOOD BOUNDARY
	EXISTING FENCE
	EXISTING WATER LINE
	EXISTING GAS LINE
	EXISTING SEWER LINE
	EXISTING TELEPHONE LINE
	EXISTING OVER HEAD WIRE
	PROPOSED SEDIMENT SAMPLING LOCATION
	PROPOSED 1.5H:1V REVETMENT UPLAND OF EXISTING SEAWALL
	PROPOSED 1.5H:1V REVETMENT SEAWARD OF EXISTING SEAWALL
	PROPOSED 1H:1V RIPRAP
	EXISTING STRUCTURES TO BE REMOVED

- NOTES:**
- BORINGS WILL BE CONDUCTED FROM A TRUCK MOUNTED RIG OR FLOATED BARGE MOUNTED RIG.
 - EACH BORING WILL BE APPROXIMATELY 3" DIAMETER AND ADVANCED TO APPROXIMATE ELEVATION -45FT NAVD88 OR REFUSAL. CONTINUOUS SAMPLING ON 1FT INTERVALS WILL BE PERFORMED TO AN ELEVATION OF -15FT NAVD88 OF BORING AND THEN STANDARD PENETRATION TEST (SPT) SAMPLING WILL BE OBTAINED AT 5FT INTERVALS AND/OR AT THE CHANGE OF SOIL.
 - MULTIPLE HOLES WITHIN 10FT OF PROPOSED BORING LOCATIONS MAY BE NECESSARY TO RETRIEVE SUFFICIENT SAMPLE MATERIAL FOR ANALYSIS.

- GENERAL NOTES:**
- TOPOGRAPHIC SURVEY AS THE RESULT OF AN ON-THE-GROUND INSTRUMENT SURVEY AND LASER SCANNING INSTRUMENT SURVEY THAT OCCURRED BETWEEN 03/11/2019 & 03/22/2019.
 - HYDROGRAPHIC SURVEY CAD FILE 20190725_FPA PIERS PARK III_HYDRO RECORDED FILE C3D PROVIDED BY HARBOR ENGINEERING WAS MERGED AN UNEDITED ON 07/30/2019.
 - ELEVATIONS ARE IN US SURVEY FEET AND REFER TO THE NAVD88 DATUM BASED ON GPS RTK OBSERVATIONS.
 - HORIZONTAL COORDINATES REFER TO NAD83 MASSACHUSETTS MAINLAND STATE PLANE GRID SYSTEM BASED ON GPS RTK OBSERVATIONS.
 - PROJECT SITE IS MAPPED AS FEMA ZONE VE (EL. 13), FEMA ZONE AE (EL. 12) & FEMA ZONE AE (EL. 11) IN ACCORDANCE TO FEMA FIRM #25025C0081K, REVISED DATE 7/3/2024.
 - ORTHO-IMAGERY AND SCALED DATA IS APPROXIMATE UNLESS OTHERWISE NOTED AND SHOULD BE USED AS GENERAL REFERENCE ONLY.
 - PROPERTY LINES ARE BASED UPON THE MOST RECENT AVAILABLE MASSDEP/MASSGIS INFORMATION.
 - THE INFORMATION DEPICTED ON THIS PLAN REPRESENTS THE RESULTS OF SURVEYS ON THE DATES SHOWN, AND CAN ONLY BE CONSIDERED AS INDICATING THE GENERAL CONDITIONS AT THAT TIME. INTERPOLATED INFORMATION FROM BETWEEN SOUNDING RUNS IS NOT GUARANTEED. SHOALS, OBSTRUCTIONS OR OTHER DIFERING CONDITIONS MAY EXIST BETWEEN THESE RUNS. CONSULT WITH FOTH, LLC FOR MORE DETAILED INFORMATION.
 - POSSESSION AND USE OF THE MATERIAL CONTAINED ON THESE DRAWINGS IS GRANTED ONLY IN CONNECTION WITH ITS USE AS IT RELATES TO THE TITLED PROJECT, ANY OTHER USE, REPRODUCTION OR DISCLOSURE OF THE INFORMATION CONTAINED HEREON IS EXPRESSLY PROHIBITED WITHOUT THE WRITTEN CONSENT OF FOTH.

© COPYRIGHT 2025, FOTH INFRASTRUCTURE & ENVIRONMENT, LLC.

MASSACHUSETTS PORT AUTHORITY
PIERS PARK II REVETMENT

GETECHNICAL INVESTIGATION
SAMPLING AND ANALYSIS PLAN

REVISIONS		DESCRIPTION	
NO	DATE	BY	DATE
1			
2			
3			
4			
5			

DATE OF PREPARATION		
SURVEYED	AS NOTED	AS NOTED
DRAWN	SCC	1/31/2025
DESIGNED		
CHECKED		

SHEET TITLE:

SITE PLAN &
PROPOSED
BORING
LOCATIONS

ISSUANCE:
JANUARY 31, 2025
FOR PERMITTING ONLY

PROJECT NO: 0024K017.00
SHEET NUMBER



REVISIONS				
NO.	BY	DATE	DESCRIPTION	
△				
△				
△				
△				
△				
△				

DATE OF PREPARATION		
SURVEYED	AS NOTED	AS NOTED
DRAWN	SCC	1/31/2025
DESIGNED		
CHECKED		

SHEET TITLE:

SECTIONS

ISSUANCE:

JANUARY 31, 2025
FOR PERMITTING ONLY

PROJECT NO: 0024K017.00

SHEET NUMBER

