

North Weymouth Beach Connection

General Public Informational Meeting

Tuesday, February 27, 2018

Presenters:

Robert Luongo, Planning & Community Development Director Jay Norton, Coastal Engineering Co., Inc.

Roger Michniewicz, Coastal Engineering Co., Inc.

Danielle Desilets, Kyle Zick Landscape Architecture

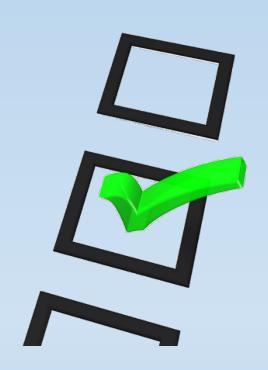






Agenda

- Welcome & Introductions
- Project Background & Schedule
- Overview of Beach Connection
- Overview of Coastal Bank Restoration
- Next Steps
- Discussion





Purpose of Tonight's Meeting

- Connection of the Town's two public saltwater beaches
- Construction of a pedestrian walkway
- Public access to waterfront, including ADA compliance
- Enhance recreational opportunities
- Restoration of coastal bank

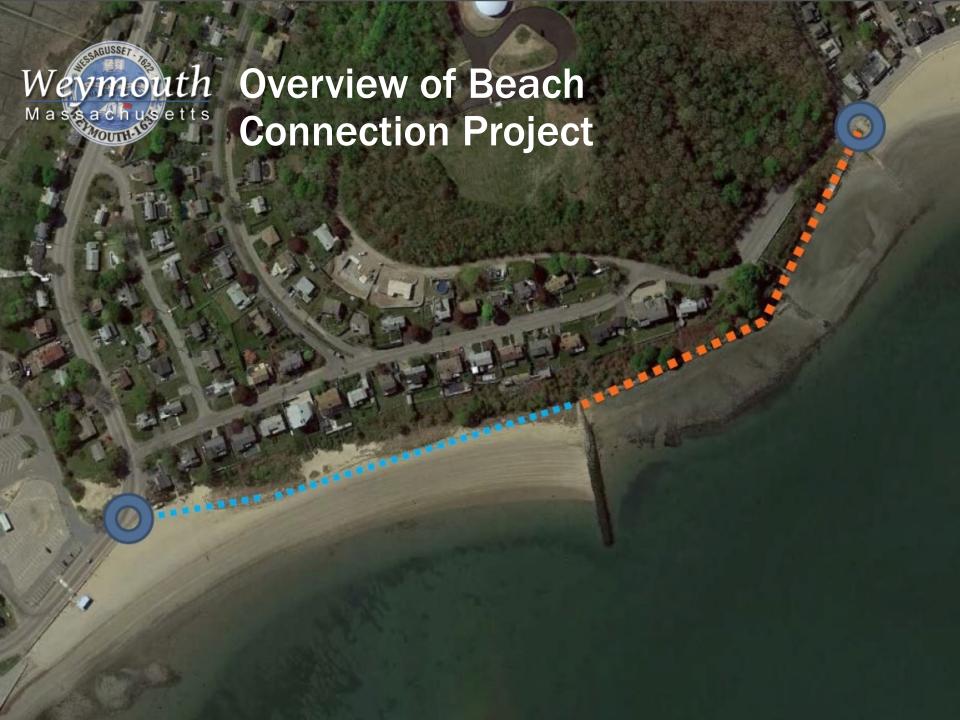




Project Background & Schedule

- Spring 2017 Town awarded \$184,000 grant from Seaport Economic Council to design an accessible pedestrian beach connection.
- Awards are intended to stimulate local and state "blue economy" and protect/improve coastal assets.
- Summer 2017 Coastal Engineering Co. contracted for feasibility, design, permitting, and construction oversight.







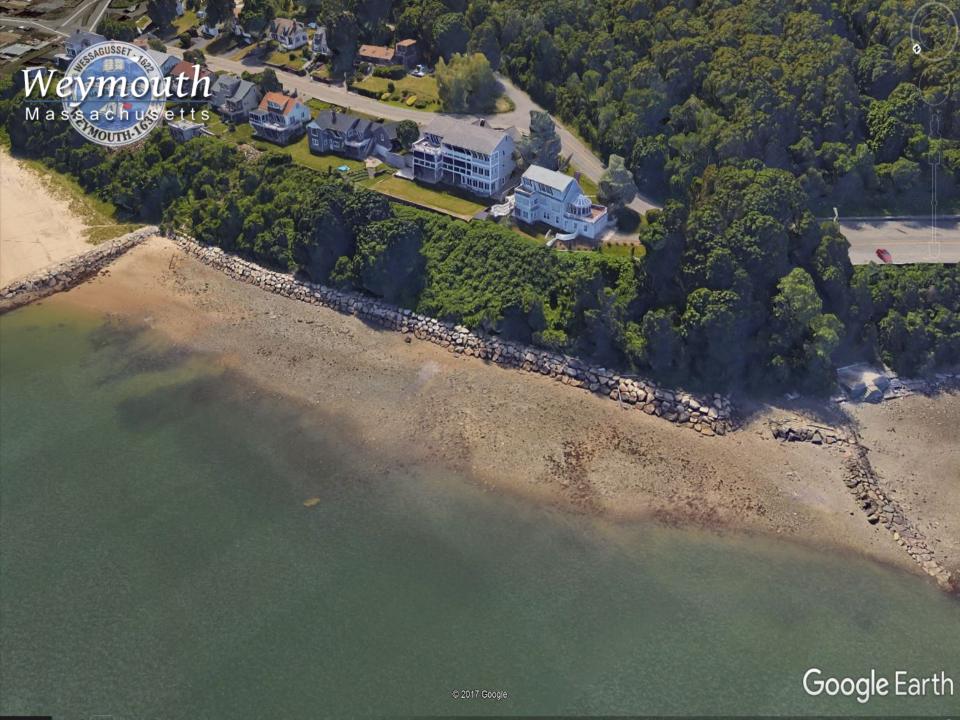
Birds Eye Views













Revetment

- Construct new revetment using existing and new "rip rap" for stability.
- Revetment will include built-in granite stairs to beach.
- Stair access to beach is proposed in two areas.
- Revetment will also address erosion issues, protection of public parking and Town infrastructure



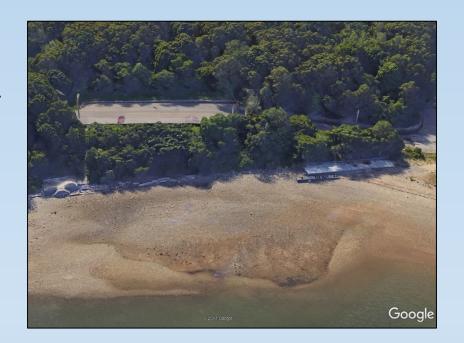






Proposed Boardwalk

- Remove existing concrete foundations in the intertidal zone. Re-occupy footprints for gathering areas
- Remove debris, clean up shoreline
- Construct concrete piers for structural support of new boardwalk.
- Construct timber boardwalk that is ADA compliant.









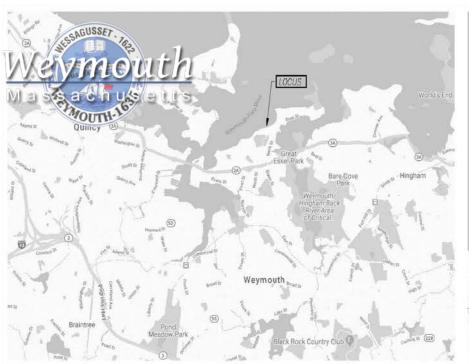
Old bathhouse foundation

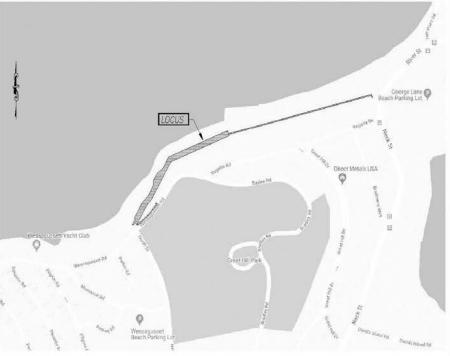












MASSACHUSETTS SCALE 1" = 2,500" MASSACHUSETTS SCALE 1" = 200"

PROPOSED SITE DEVELOPMENT PLAN TOWN OF WEYMOUTH

WESSAGUSETT ROAD, REGATTA ROAD AND RIVER STREET 12-18-17

CIVIL ENGINEER:

COASTAL ENGINEERING CO., INC. 260 CRANBERRY HIGHWAY CRLEANS, MASSACHUSETTS 02653 (508) 255-6511

APPLICANT AND BEVELOPER: OWNER:
NAME NAME
ADDRESS ADDRESS ADDRESS ADDRESS

DRAWING INDEX

 C3.2.1 OVER VIEW
 ISSUED: DATE

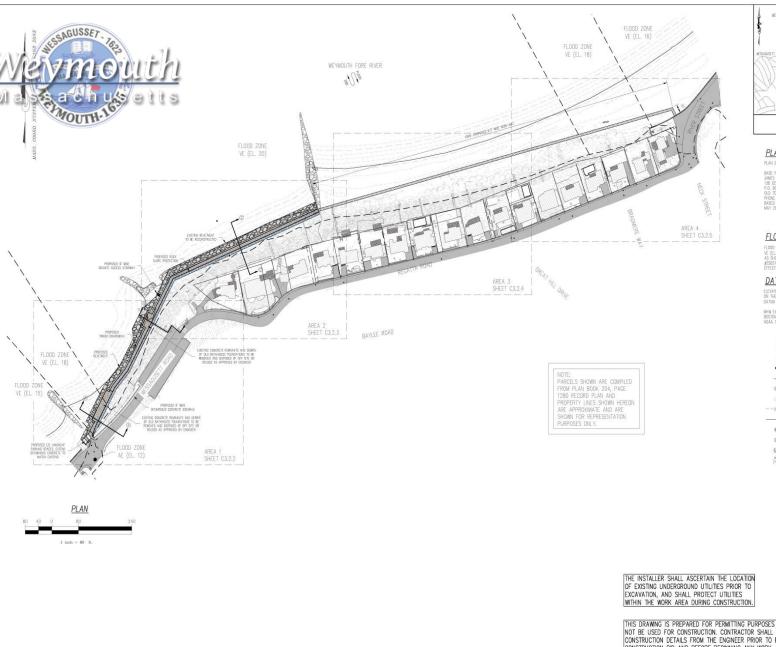
 C3.2.2 SITE PLAN
 ISSUED: DATE

 C3.2.3 LIGHTING PLAN
 ISSUED: DATE

 C3.2.4 SITE DETAILS
 ISSUED: DATE

 C3.2.5 SITE DETAILS
 ISSUED: DATE

THIS DRAWING IS PREPARED FOR PERMITTING PURPOSES ONLY AND SHALL NOT BE USED FOR CONSTRUCTION. CONTRACTOR SHALL OBTAIN FINAL CONSTRUCTION DETAILS FROM THE ENGINEER PRIOR TO PREPARATION OF CONSTRUCTION BID AND BEFORE DECONVING ANY WORK.





PLAN REFERENCES:

PLAN BOOK 204, PAGE 1280

BASE PLAN PREPARED BY
JAMES N. SEWELL COMPANY
138 CHIPER STEET
P. 801 433
10.0 100M, Mc LOGAR
PHONE 1007-827-449
BASED UPON AERIAL MAGERY PERFORMED IN
MAY 2017.

FLOOD NOTE:

FLOOD ZONES VE (EL. 15), VE (EL. 16), VE (EL. 18), VE (EL. 20) AND AE (EL. 12) AS SHOWN ON FEWA FIRM PANEL \$25021COBSF EFFECTIVE: JUNE 9, 2014

DATUM NOTE:

ELEVATIONS SHOWN HEREON ARE BASED ON THE NORTH AMERICAN VERTICAL DATUM 1988 (NAVD 1988)

MHW EXTRAPOLATED FROM BOSTON AND DUXBURY NOAA TIDE SHEETS

LEGEND

EXISTING

UTILITY POLE CONTOUR

CATCH BASIN DRAIN MANHOLE

WATER VALVE

THIS DRAWING IS PREPARED FOR PERMITTING PURPOSES ONLY AND SHALL NOT BE USED FOR CONSTRUCTION. CONTRACTOR SHALL OBTAIN FINAL CONSTRUCTION DETAILS FROM THE ENGINEER PRIOR TO PREPARATION OF CONSTRUCTION BID AND BEFORE BEGINNING ANY WORK.



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COASTAL

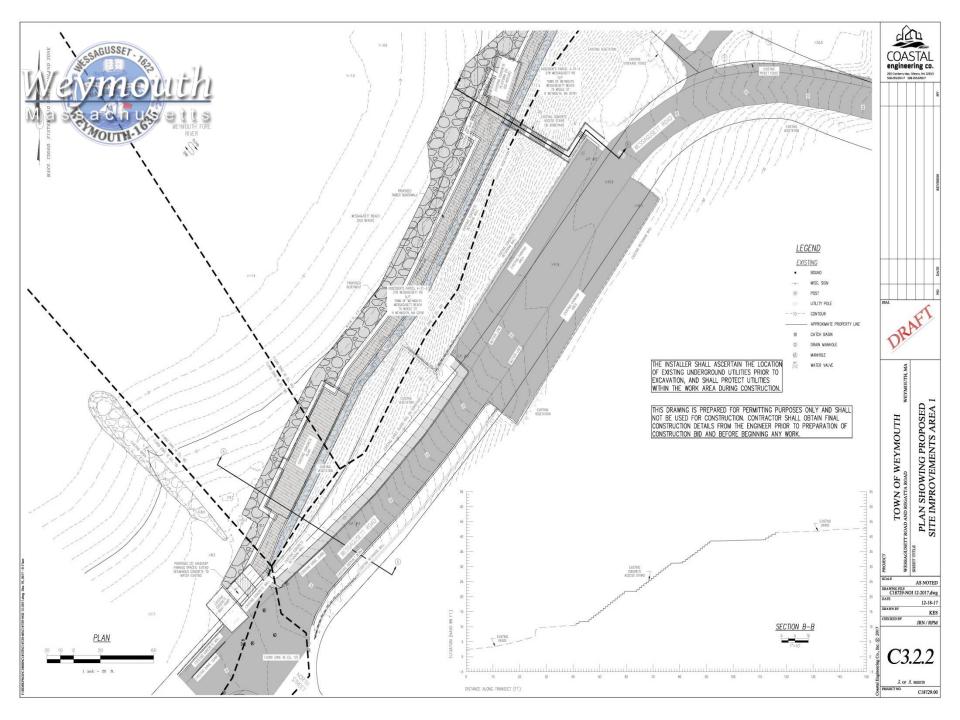
WEYMOUTH TOWN OF

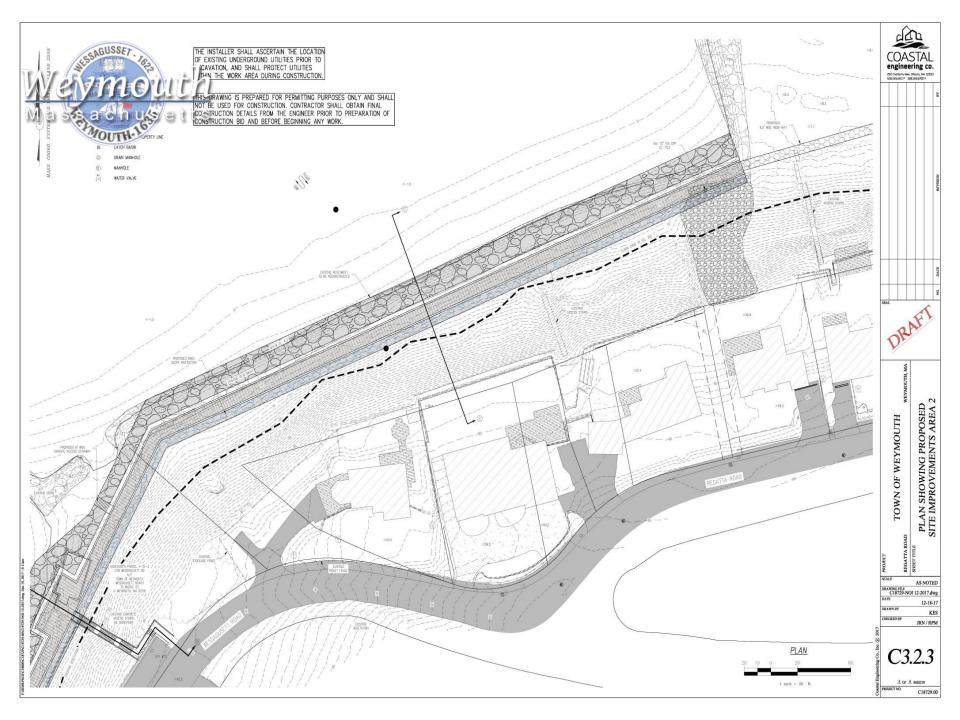
PLAN SHOWING PROPOSED SITE IMPROVEMENTS OVER VIEW

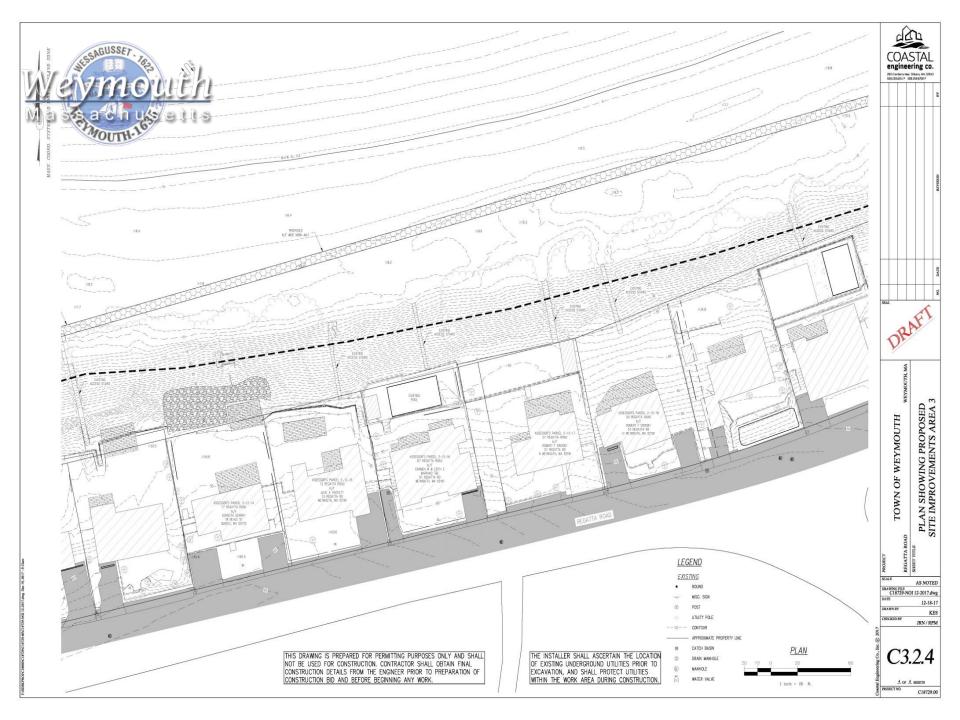
AS NOTED DRAWING FILE C18729-NOI 12-2017.dwg 12-18-17 DRAWN BY CRECKED BY JRN/RPM

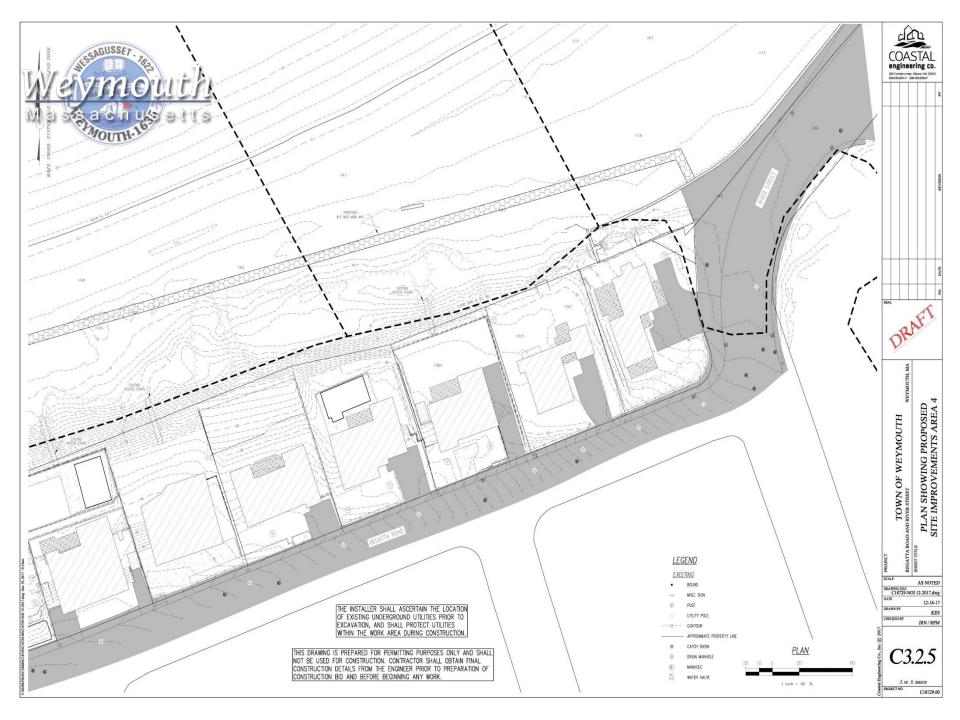
C3.2.1

1 OF 6 SHEETS C18729.00















Proposed Beach Mats

- Beach mats are proposed along existing sandy coastal beach.
- Mats are accessible, durable, and seasonal.
- Project will address erosion and provide beach grass restoration.









Alternative walkway: beach mats







Proposed Concrete Stairs

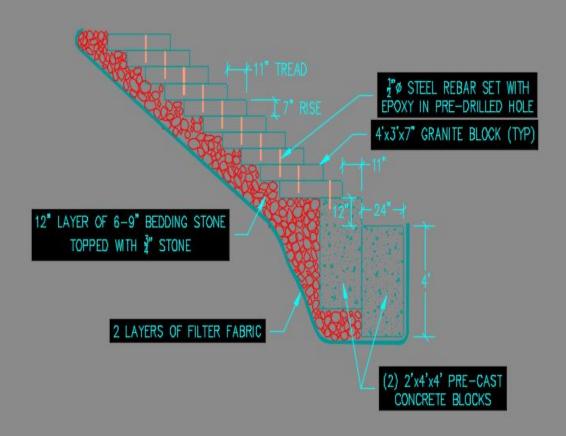
- Existing stairs are in poor condition.
- Replace existing stairs with new pre-cast concrete staircase.











GRANITE STEPS DETAIL

SCALE: 1" = 5'







Proposed Sidewalk and Accessible Parking

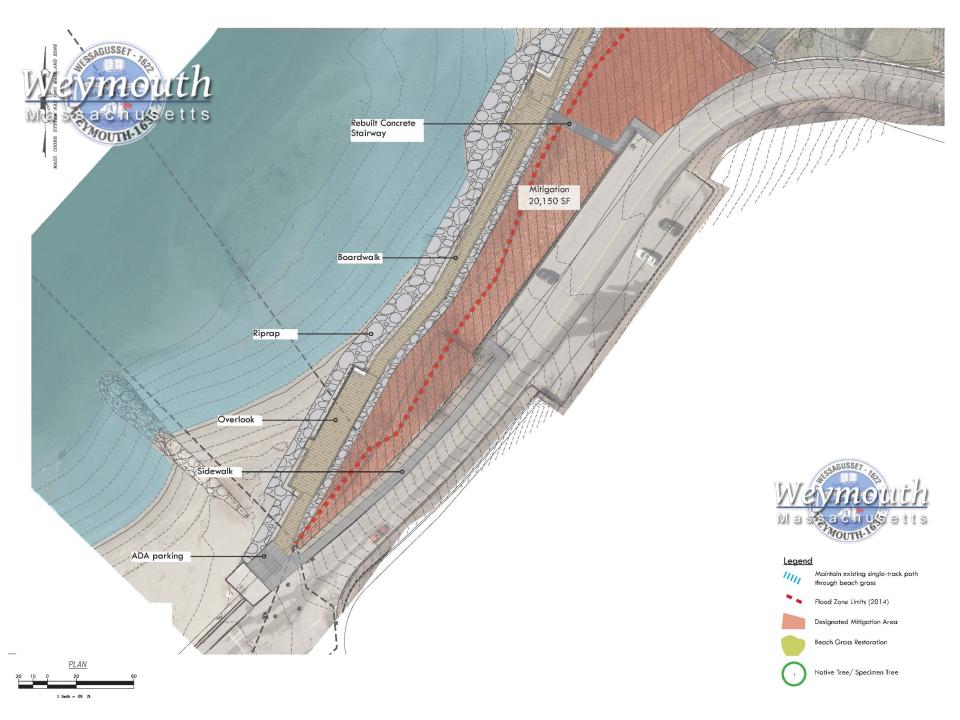
- Construct sidewalk to run from public concrete stairs at "shelf" to boardwalk entrance.
- Construct new ADA-compliant parking space at boardwalk with signage for handicapped accessibility.













VEGETATION MANAGEMENT



Site & Vegetation Assessment

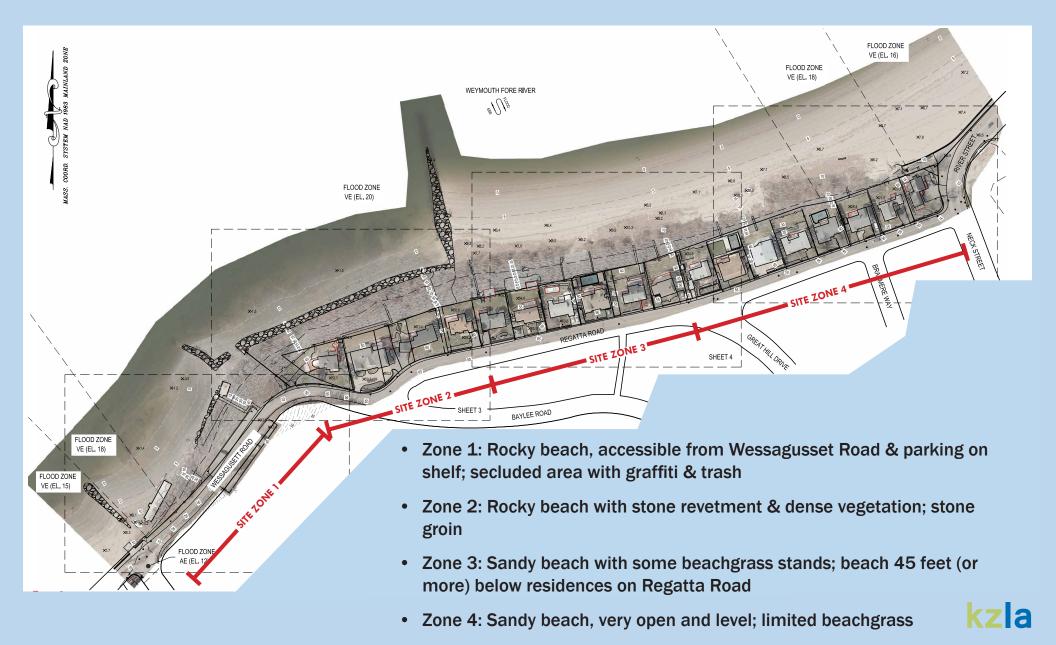


- Site Assessment
- Vegetation Assessment
- Vegetation Management Plan
- Coastal Bank Restoration Guidelines



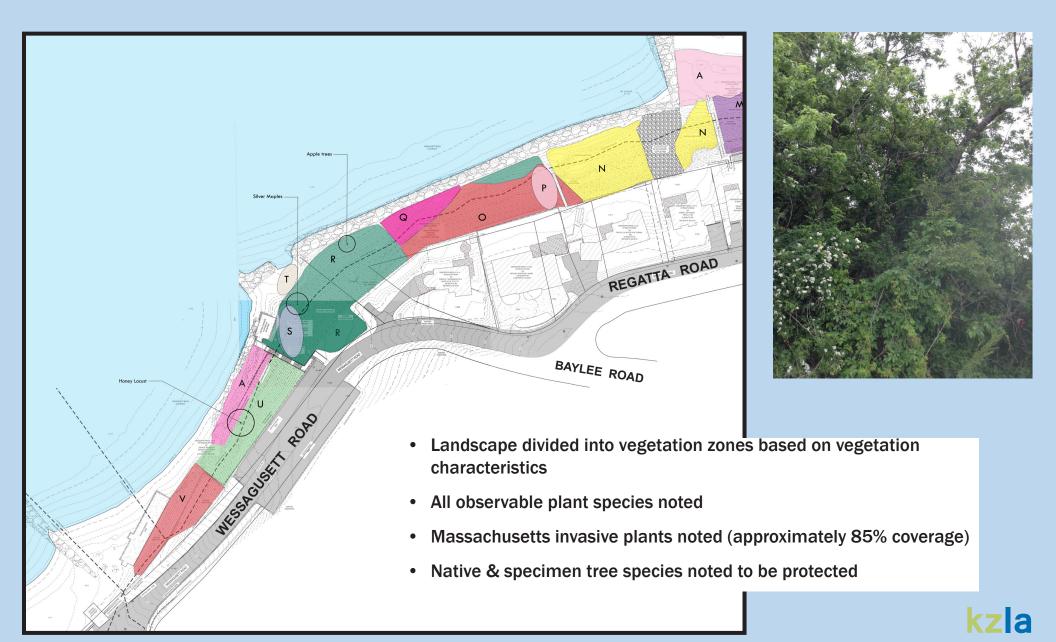


Site Assessment





Vegetation Assessment

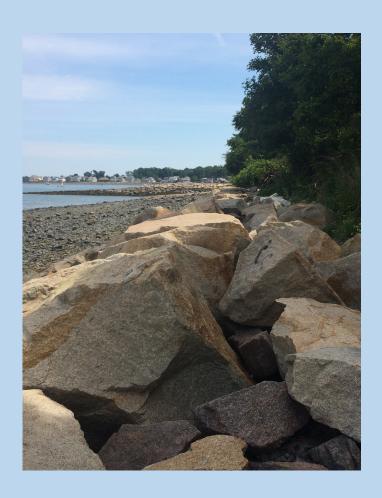




Vegetation Assessment





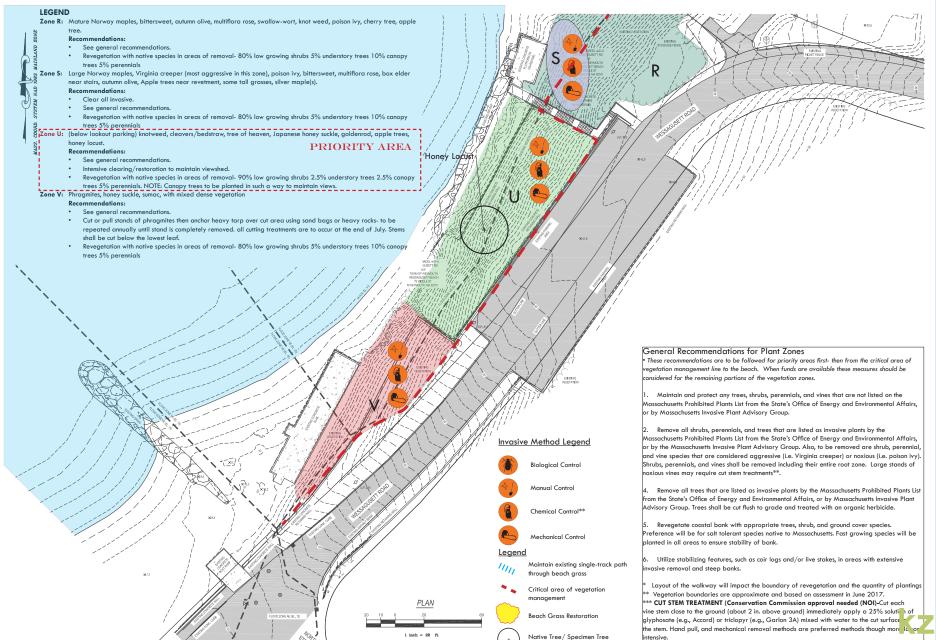


Design guidelines

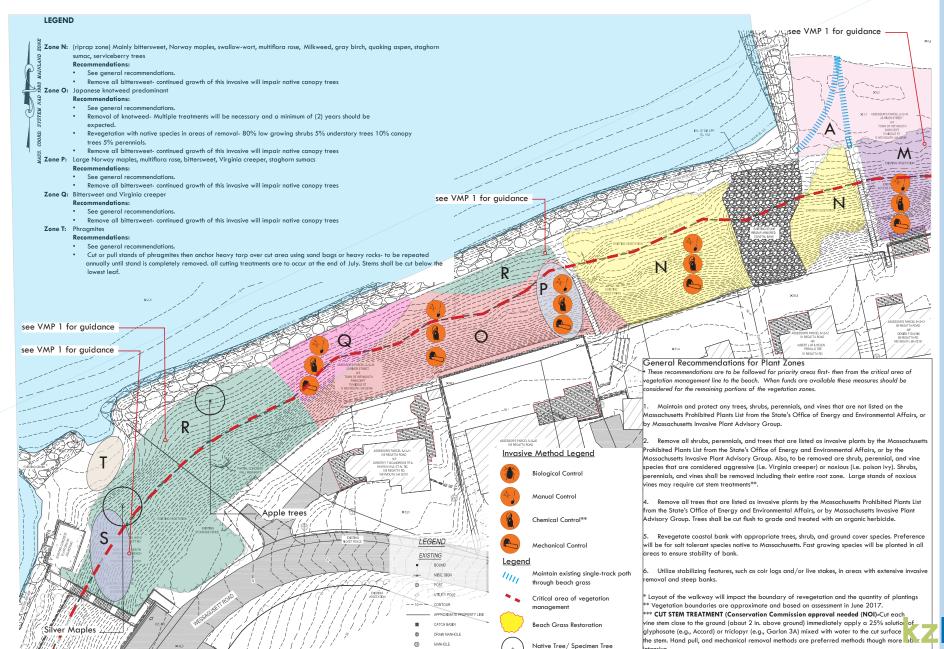
- 1. Maintain any plants that are not invasive species
- 2. Remove all invasive & aggressive plant species
 - a. Trees to be cut flush to grade
 - b. Shrubs, vines & herbaceous removed including roots
- 3. Re-vegetate coastal bank
 - a. Preference for salt tolerant, native species
- 4. Bank stabilization features as necessary





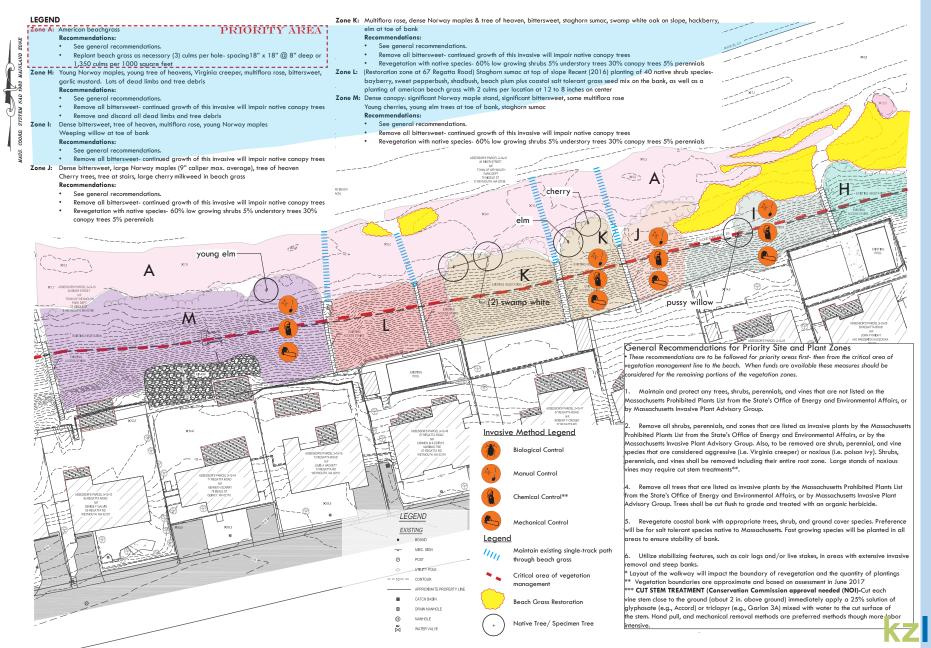




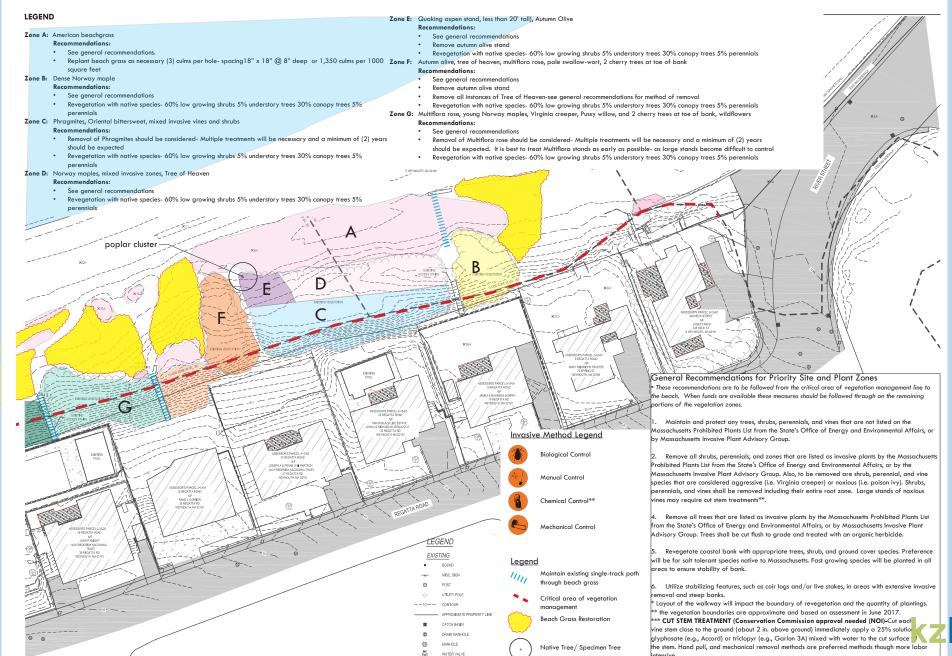


WATER VALVE











Coastal Bank Restoration



Restoration guidelines

- 1. Vegetation coverage to be 75% after 5 years
- 2. 100% of disturbed areas to be restored
- 3. Shrubs to be 45%-60% of coverage
- 4. All disturbed areas to be seeded
- 5. Slopes over 3:1 to have erosion control blanket
- 6. Beachgrass areas to be fully restored





Coastal Bank Restoration

Proposed plant palette (select species)















Sweetfern Virginia rose

rose Seaside goldenrod

Big bluestem



Next Steps

- Regulatory Permitting
 - Local Conservation Commission
 - MA DEP Waterways
 - Massachusetts Environmental Protection Agency (MEPA)

