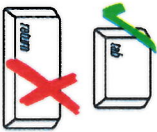




Massachusetts Department of Environmental Protection
 Bureau of Resource Protection - Wetlands
WPA Emergency Certification Form
 Massachusetts Wetlands Protection Act M.G.L. c. 131, §40

A. Emergency Information

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



Issuance From: Newburyport Conservation Commission
 Issuing Authority

1. Site Location: North Reservation Terrace, Newburyport

2. Reason for Emergency: Severe erosion and storm damage threatening public infrastructure and public safety.

3. Applicant to perform work: City of Newburyport

4. Public agency to perform work or public agency ordering the work to be performed:
City of Newburyport

5. Date of Site Visit: 11/01/2021 Start Date: 11/04/2021 End Date*: 12/04/2021

* no later than 30 days from start date or 60 days in the case of an Immediate Response Action approved by DEP to address an oil/hazardous material release.

6. Work to be allowed*:

The work allowed under this emergency certification includes the placement of rock in a rough and sloped manner on the coastal bank adjacent to Reservation Terrace between 71st Street and 77th Streets, as shown on the attached plan titled "Temporary Emergency Revisions to Coir Envelope Erosion Protection" prepared by GZA Geo Environmental Consulting, dated November 2021. The purpose of this placement of rock is to dissipate wave energy and thereby reduce further damage to the City's roadway, public infrastructure and adjacent public resources. The City may also place compatible beach-grade sand over the rock as appropriate and necessary if resources allow and may also eventually install protective sand fence and dune grass plantings to further stabilize this area.

* May not include work beyond that necessary to abate the emergency.

B. Signatures

Certified to be an Emergency by this Issuing Authority.

Signatures:

[Signature]
 Chairman (or designee)

Date 11/03/2021

A copy of this form must be provided to the appropriate DEP Regional Office.



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C. General Conditions

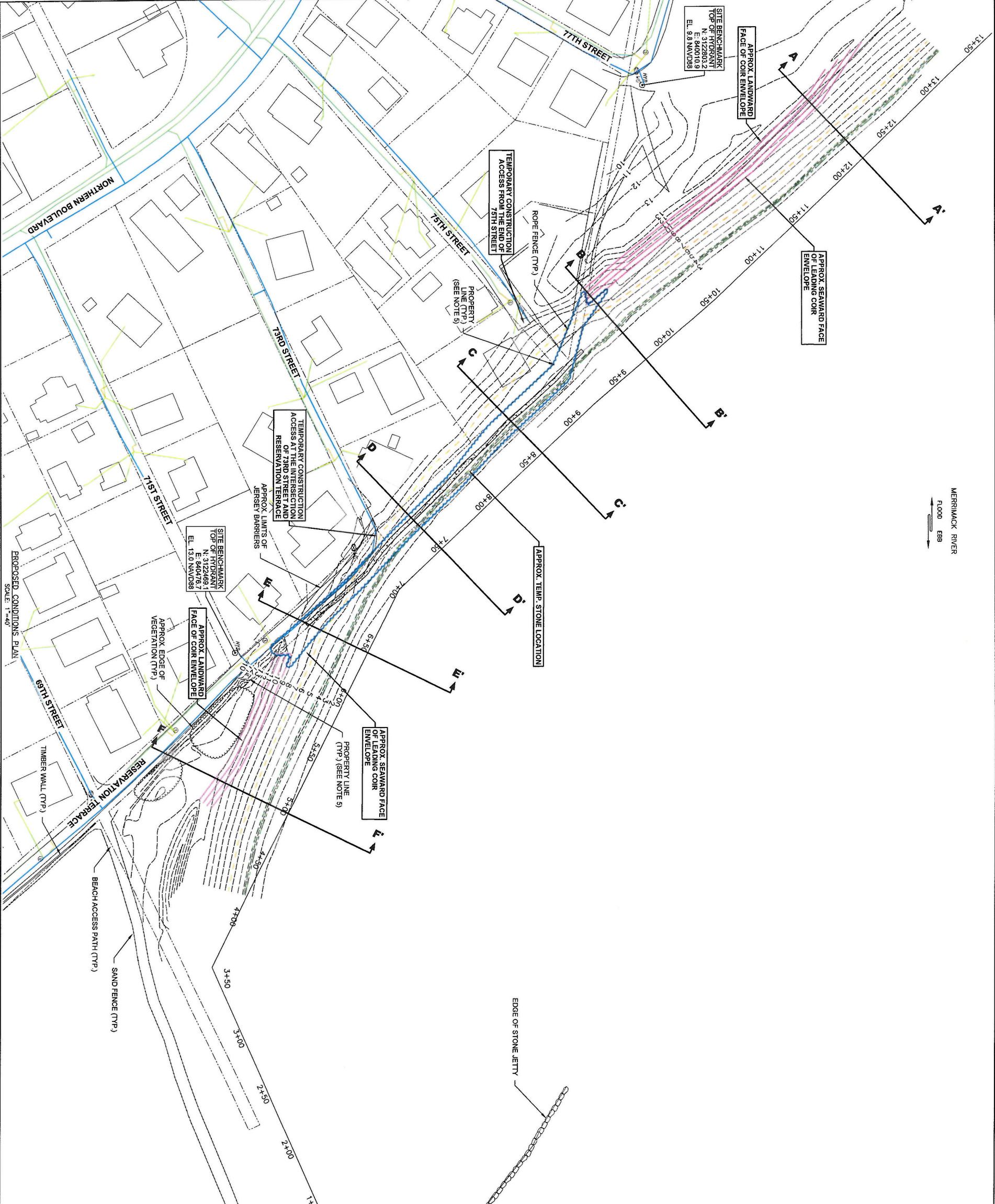
1. Failure to comply with all conditions stated herein, and with all related statutes and other regulatory measures, shall be deemed cause to revoke or modify this Emergency Certification or subject to enforcement action.
2. This Emergency Certification does not grant any property rights or any exclusive privileges; it does not authorize any injury to private property or invasion of property rights.
3. This Emergency Certification does not relieve the applicant or any other person of the necessity of complying with all other applicable federal, state, or local statutes, ordinances, bylaws, or regulations.
4. Any work conducted beyond that described above, and any work conducted beyond that necessary to abate the emergency, shall require the filing of a Notice of Intent.
5. The Agent or members of the Conservation Commission and the Department of Environmental Protection shall have the right to enter and inspect the area subject to this Emergency Certification at reasonable hours to evaluate compliance with this Certification, and may require the submittal of any data deemed necessary by the Conservation Commission or the Department for that evaluation.
6. This Emergency Certification shall apply to any contractor or any other person performing work authorized under this Certification.
7. No work may be authorized beyond 30 days from the date of this certification without written approval of the Department.

D. Special Conditions

- 1) Any changes to the approved plans (attached) shall require review and approval by the Conservation Commission or its Administrator.
 - 2) There may be no materials other than approved rock, beach-grade sand, sand fencing and native plantings placed on the beach or dune without approval of the Conservation Commission.
-
-

E. Appeals

The Department may, on its own motion or at the request of any person, review: an emergency certification issued by a conservation commission and any work permitted thereunder; a denial by a conservation commission of a request for emergency certification; or the failure by a conservation commission to act within 24 hours of a request for emergency certification. Such review shall not operate to stay the work permitted by the emergency certification unless the Department specifically so orders. The Department's review shall be conducted within seven days of issuance by a conservation commission of the emergency certification; denial by a conservation commission of the emergency certification; or failure by a conservation commission to act within 24 hours of a request for emergency certification. If certification was improperly granted, or the work allowed thereunder is excessive or not required to protect the health and safety of citizens of the Commonwealth, the Department may revoke the emergency certification, condition the work permitted thereunder, or take such other action as it deems appropriate.



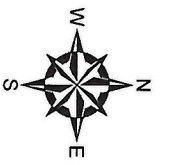
MERRIMACK RIVER
FLOOD EBB

- NOTES:**
- DATUM, CONTOURS AND ELEVATION REFER TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88), MLLW=4.18, NAVD88=0.0, MHW=3.28, MHHW=4.23, FEMA 100-YR FLOOD=22.0.
 - LIMITED POST-STORM TOPOGRAPHIC SURVEY WAS PERFORMED BY GZA GEOENVIRONMENTAL, INC. (GZA) ON OCTOBER 28, 2021, AND REPRESENTS THE CONDITIONS AT THE TIME OF THE SURVEY.
 - AERIAL IMAGE FROM GOOGLE EARTH AERIAL IMAGERY DATED OCTOBER 10, 2020.
 - EXISTING UTILITY LOCATIONS WERE TAKEN FROM ELECTRONIC FILES PROVIDED BY THE CITY OF NEWBURYPORT, ENTITLED "PLUM ISLAND WAS".
 - PROPERTY LINES ARE APPROXIMATE AND WERE SCALED FROM ELECTRONIC FILES PROVIDED BY THE CITY OF NEWBURYPORT, ENTITLED "PLUM ISLAND WAS".
 - TEMPORARY CONSTRUCTION ACCESS TO BEACH FROM 73RD AND 75TH STREETS, TEMPORARY CONSTRUCTION STAGING AREA (S9X100) AT THE EXISTING PAVED PARKING AREA (FINAL LAYOUT TO BE COORDINATED WITH THE CITY).
 - CONTRACTOR SHALL RESTORE THE SITE INCLUDING TEMPORARY CONSTRUCTION ACCESS AND STAGING LOCATIONS TO THEIR PRE-CONSTRUCTION CONDITIONS.

LEGEND:

- HIGH TIDE (HTL) = 6.51
- MEAN HIGHER-HIGH WATER (MHHW) = 4.23
- MEAN HIGH WATER (MHW) = 3.28
- MEAN LOW WATER LEVEL (MLWL) = 4.18
- SAND FENCE
- ROPE FENCE
- BEACH ACCESS PATH
- EDGE OF STONE JETTY
- EXISTING CONCRETE BLOCKS
- PROPERTY LINE
- WATER LINES
- SEWER LINES
- SEWER VALVE CONNECTORS
- VACUUM PIT CONNECTORS
- LIMIT OF COASTAL DUNE / COASTAL BEACH
- LIMIT OF RIVERFRONT AREA
- PROPERTY LINE (SEE NOTE 9)

PROGRESS PRINT



NO.	ISSUE/DESCRIPTION	BY	DATE
4	ALTERNATE TEMPORARY EMERGENCY REVISIONS	ABB	11/3/2021
3	TEMP. EMERGENCY REVISIONS TO COIR EROSION PROTECTION	ABB	11/11/2021
2	POST STORM SURVEY UPDATE	ABB	10/28/2021
1	PRECONSTRUCTION CONDITIONS SURVEY PLAN	ABB	10/26/2021

UNLESS SPECIFICALLY STATED BY WRITTEN AGREEMENT, THIS DRAWING IS THE SOLE PROPERTY OF GZA GEOENVIRONMENTAL, INC. (GZA). NO PART OF THIS DRAWING SHALL BE REPRODUCED, COPIED, OR ALTERED IN ANY MANNER WITHOUT THE WRITTEN CONSENT OF GZA. THE USER'S SOLE RISK AND WITHOUT ANY RISK OR LIABILITY TO GZA, EXPRESS OR IMPLIED, SHALL BE AT THE USER'S SOLE RISK AND WITHOUT ANY RISK OR LIABILITY TO GZA.

TEMPORARY EMERGENCY REVISIONS TO COIR ENVELOPE EROSION PROTECTION

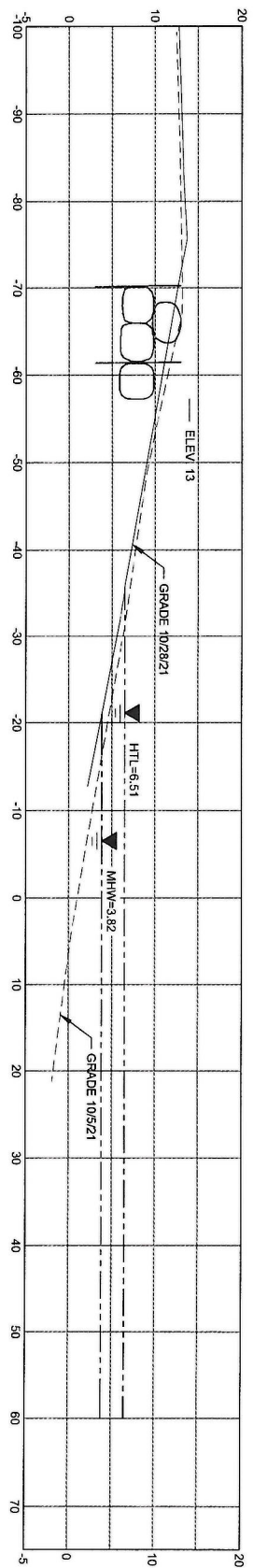
PREPARED BY: **GZA** GeoEnvironmental, Inc.
Engineers and Scientists
www.gza.com

DESIGNED BY: JIZ
DRAWN BY: LFT
DATE: NOVEMBER 2021

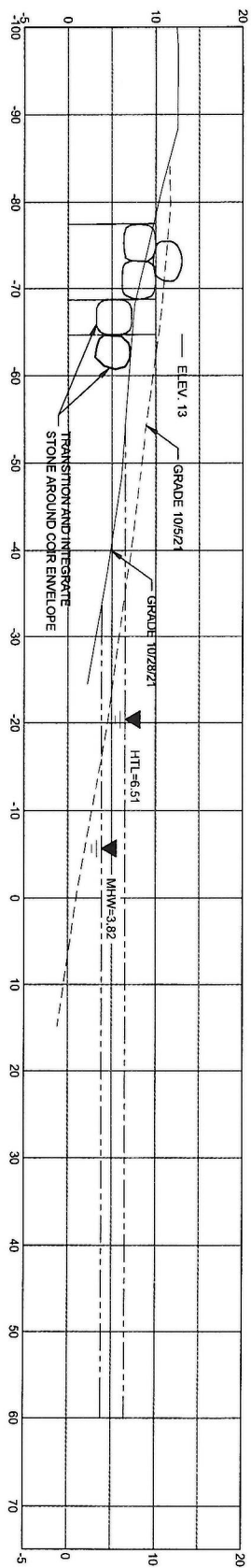
PROJECT NO: 18.0171917.08
REVISION NO: 4

PREPARED FOR: CITY OF NEWBURYPORT
60 PLEASANT STREET
NEWBURYPORT, MA 01950

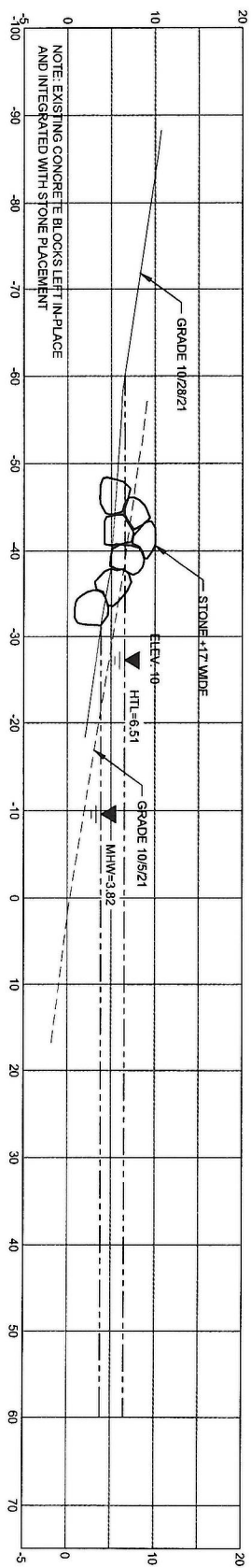
CHECKED BY: ABB
SCALE: AS SHOWN
DRAWING NO: 1
SHEET NO. 1 OF 2



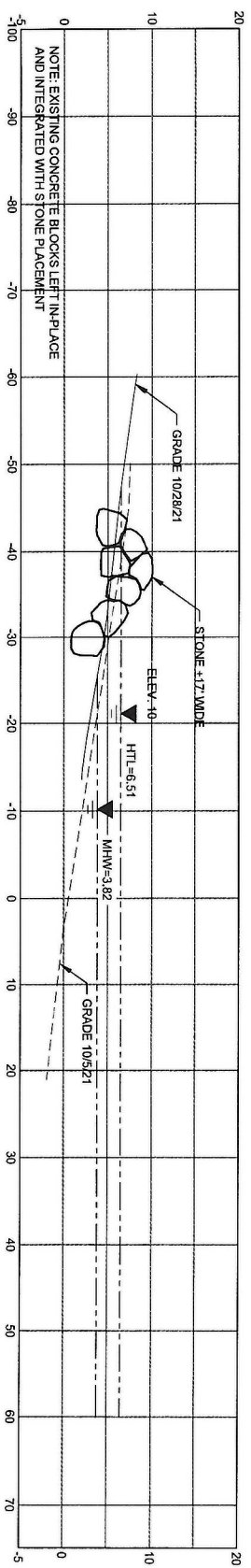
SECTION A - A



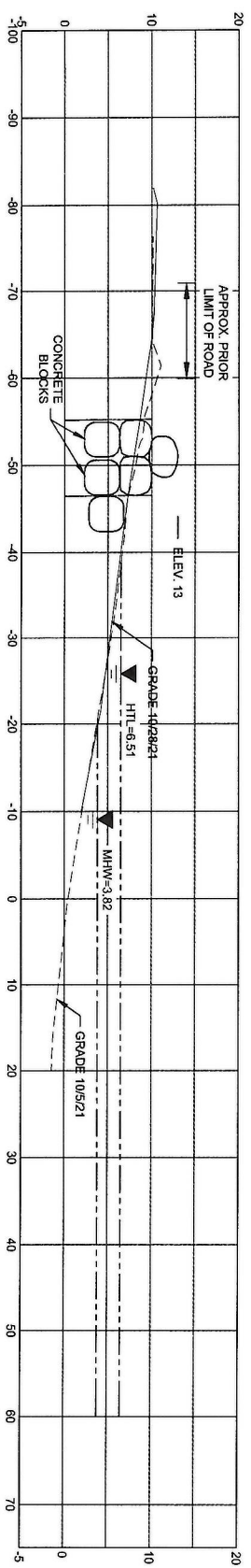
SECTION B - B



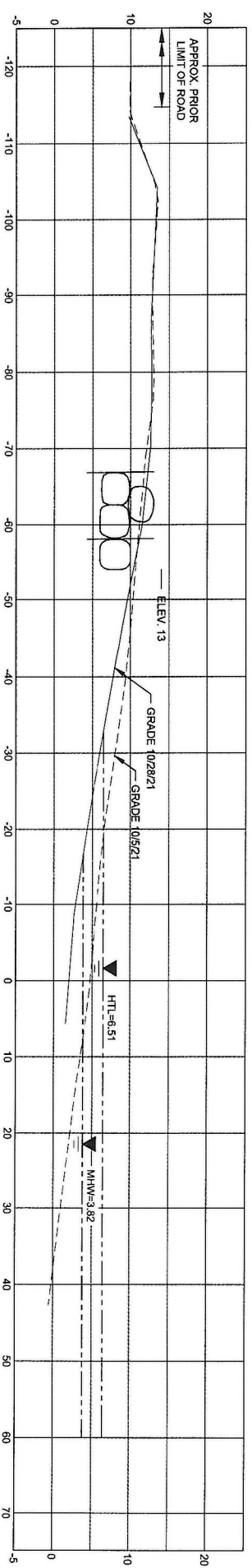
SECTION C - C



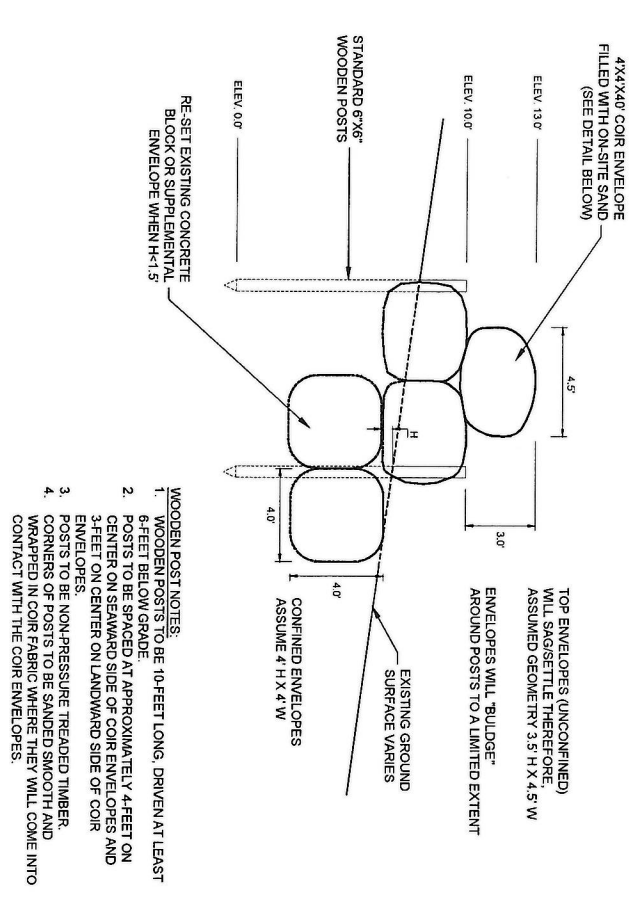
SECTION D - D



SECTION E - E



SECTION F - F



- WOODEN POST NOTES:
1. WOODEN POSTS TO BE 10- FEET LONG, DRIVEN AT LEAST 6- FEET BELOW GRADE
 2. POSTS TO BE SPACED AT APPROXIMATELY 4- FEET ON CENTER ON SEAWARD SIDE OF COIR ENVELOPES AND 3- FEET ON CENTER ON LANDWARD SIDE OF COIR ENVELOPES.
 3. POSTS TO BE NON- PRESSURE TREATED TIMBER.
 4. CORNERS OF POSTS TO BE SANDED SMOOTH AND WRAPPED IN COIR FABRIC WHERE THEY WILL COME INTO CONTACT WITH THE COIR ENVELOPES.

COIR ENVELOPE DETAILS

NOT TO SCALE

PROGRESS PRINT



NO.	ISSUE/DESCRIPTION	BY	DATE
3	TEMP. EMERGENCY REVISIONS TO COIR EROSION PROTECTION	ABB	11/1/2021
2	POST STORM SURVEY UPDATE	ABB	10/28/2021
1	PRECONSTRUCTION CONDITIONS SURVEY PLAN	ABB	10/5/2021

RESERVATION TERRACE SHORELINE PROTECTION
NEWBURYPORT, MASSACHUSETTS

TEMPORARY EMERGENCY REVISIONS TO
COIR ENVELOPE EROSION PROTECTION

PREPARED FOR:
 GZA GeoEnvironmental, Inc.
 Engineers and Scientists
 www.gza.com

CITY OF NEWBURYPORT
 60 PLEASANT STREET
 NEWBURYPORT, MA 01950

PROJ MGR: JIZ REVIEWED BY: ABB CHECKED BY: ABB DRAWING NO. 2
 DESIGNED BY: LFT DRAWN BY: LFT SCALE: AS SHOWN REVISION NO. 3 SHEET NO. 2 OF 2
 DATE: NOVEMBER 2021