

State of Rhode Island
Coastal Resources Management Council
Oliver H. Stedman Government Center
4808 Tower Hill Road, Suite 3
Wakefield, RI 02879
(401)783-3370

State of Rhode Island
Department of Environmental Management
Office of Technical and Customer Asst.
235 Promenade Street
Providence, RI 02908-5767
(401)222-6822

JOINT PUBLIC NOTICE

CRMC File No.: 2019-09-031 Date: October 4, 2019

RIDEM Water Quality Certification Number: 19-184

These offices have under consideration the application of:

City Of East Providence
145 Taunton Ave
East Providence, RI 02914

for State of Rhode Island Assent (in accordance with the Coastal Resources Management Program), and State of Rhode Island Water Quality Certification (in accordance with Chapter 42-35 pursuant to Chapters 46-12 and 42-17.1 of the RIGL, as amended) to perform the installation and monitoring of nature based infrastructure in order to evaluate bluff erosion mitigation practices.

The project will include: Creation of a stone sill and minimal amount of fill for planting medium in the intertidal zone and salt marsh plantings in order to mitigate bluff erosion in the southern end of Rose Larisa Park. The stone sill will be in approximate alignment with an existing riprap revetment on the adjacent property and extend northerly for 130 linear feet.

Project Location: Rose Larisa Park

Street & Number: Bullocks Point Avenue

City/Town: East Providence

Plat Number: 414 Lot Number: 7, 8, 8.1

Waterway: Providence River

Plans of the proposed work may be seen at the CRMC office in Wakefield.

In accordance with the Administrative Procedures Act (Chapter 42-35 of the Rhode Island General Laws) you may request a hearing on this matter. You are advised that if you have good reason to enter protests against the proposed work it is your privilege to do so. It is expected that objectors will review the application and plans thoroughly, visit site of proposed work if necessary, to familiarize themselves with the conditions and cite what law or laws, if any, would in their opinion be violated by the work proposed.

RICRMC/RIDEM Joint Public Notice
CRMC File No. 2019-09-031
October 4, 2019
Page Two

This also serves as notice that the Rhode Island Department of Environmental Management, Office of Water Resources, Water Quality Certification Program has under consideration and review the same proposed activity as described above for compliance with the State's Water Quality Regulations (AUTHORITY: in accordance with Clean Water Act, as amended (33 U.S.C. 1251 et.seq.; Chapter 42-35 pursuant to Chapters 46-12 and 42-17.1 of the Rhode Island General Laws of 1956, as amended).

If you desire to protest, you must attend the scheduled hearing and give sworn testimony. A notice of the time and place of such hearing will be furnished you as soon as possible after receipt of your request for hearing. If you desire to request a hearing, to receive consideration, it should be in writing and be received at this office on or before November 4, 2019.

It is expected that objectors will review the application and associates plans thoroughly. Comments that pertain to this Joint Notice must be submitted in writing and must be addressed to Rhode Island Coastal Resources Management Council and Rhode Island Dept of Environmental Management at the above referenced addresses.

lat

ROSE LARISA LIVING SHORELINE PROJECT

THE NATURE CONSERVANCY

EAST PROVIDENCE, RHODE ISLAND

AUGUST 2019

PREPARED FOR:
NATURE CONSERVANCY
 159 WATERMAN STREET
 PROVIDENCE, RHODE ISLAND 02906



PREPARED BY:
GZA GEOENVIRONMENTAL, INC.
 188 VALLEY STREET, SUITE 300
 PROVIDENCE, RHODE ISLAND 02909



PROJECT LOCUS MAP

SOURCE: USGSSTORE.GOV

1000' 2000' 4000' 6000'

SCALE: 1 INCH = 2000 FEET

BASE MAP: 1984 USGS TOPOGRAPHIC SERIES

EAST PROVIDENCE, RHODE ISLAND

UTM COORDINATE SYSTEM

UTM ZONE: 18Q UTM PROJECTION: UTM

UTM EPOCH: 1982

UTM DATUM: NAD 83

UTM Spheroid: GRS 1980

UTM Prime Meridian: Greenwich

UTM False Easting: 500,000

UTM False Northing: 0

UTM Scale Factor: 0.999609309266

UTM Contour Interval: 10000

UTM Contour Interval: 10000

UTM Contour Interval: 10000

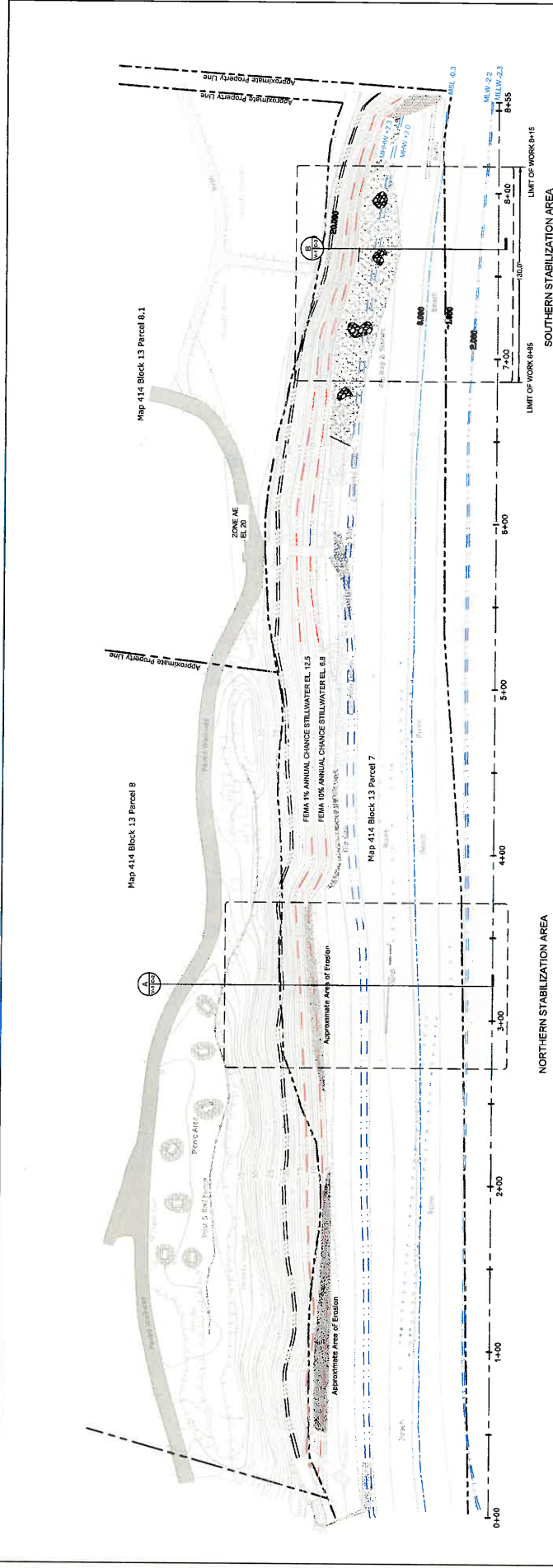
UTM Contour Interval: 10000



ORIENTATION LOCATION

SHEET #	TITLE
L-1	COVER LOCUS AND INDEX TO DRAWINGS
L-2	COVER LOCUS AND INDEX TO DRAWINGS
C-1	NATURE BASED IMPROVEMENTS TO ALL
C-2	NATURE BASED IMPROVEMENTS TO ALL
C-3	SOUTHERN CROSS-SECTIONS AND DETAIL
C-4	SOUTHERN CROSS-SECTIONS AND DETAIL
C-5	SOUTHERN CROSS-SECTIONS AND DETAIL
C-6	LIMIT OF WORK AND SITE CONTROLS

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FOR PERMITTING ONLY



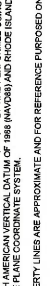
LEGEND:

- EXISTING MAJOR CONTOUR
- EXISTING MINOR CONTOUR (EVERY ONE FOOT)
- PROPERTY LINE (APPROXIMATE)
- EXISTING FENCE
- EXISTING TREE-SHRUB LINE
- MEAN-HIGH-HIGH-WATER
- MEAN-HIGH-WATER
- MEAN-SEA-LEVEL
- MEAN-LOW-WATER
- MEAN-LOW-LOW-WATER
- FLOOD-HAZARD-ZONE
- EXISTING RIP-RAP
- EXISTING PATH
- EXISTING PAVED WALKWAY
- EXISTING AREA OF EROSION
- EXISTING CONCRETE DEBRIS
- EXISTING RUINS
- EXISTING GRAVEL

NOTES:

1. BASE MAP DEVELOPED FROM ELECTRONICALLY TRANSMITTED CAD DRAWING 2018193, TITLED LIMITED TOPOGRAPHIC SURVEY OF BEACH AND BANK AT WORKS ENGINEERING, INC. CITY OF PROVIDENCE - DEPARTMENT OF PUBLIC WORKS - ENGINEERING. THE SURVEY WAS PERFORMED USING ORIGINAL SCALE 1" = 30'. TOPOGRAPHIC SURVEY WAS PERFORMED USING STATE PLANE COORDINATE SYSTEM.
 2. PROPERTY LINES ARE APPROXIMATE AND FOR REFERENCE PURPOSES ONLY.
- SURVEY AND PROJECT DATUM:**
1. ALL ELEVATIONS SHOWN ON PLANS ARE IN U.S. FEET AND REFERENCE TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88).
 2. COORDINATES ARE BASED ON NORTH AMERICAN DATUM OF 1983 (NAD83), RHODE ISLAND STATE PLANE, EASTERN ZONE, U.S. FEET (RIBSEF).
- TIDAL ELEVATIONS**
- | | | |
|------|---------------|----------------|
| +2.2 | MHW | NAVD 88 = +2.3 |
| -2.3 | MLW | MHW = +2.0 |
| -0.3 | NAVD 88 = 0.0 | |
- NOTE:**
- | | |
|------|------------|
| -2.5 | MLW = -2.2 |
| -2.3 | MLW = -2.3 |
- TOTAL ELEVATIONS ARE REFERENCED TO NOAA STATION 8654500, PROVIDENCE, RI.

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NO.	REVISION/DESCRIPTION	BY	DATE

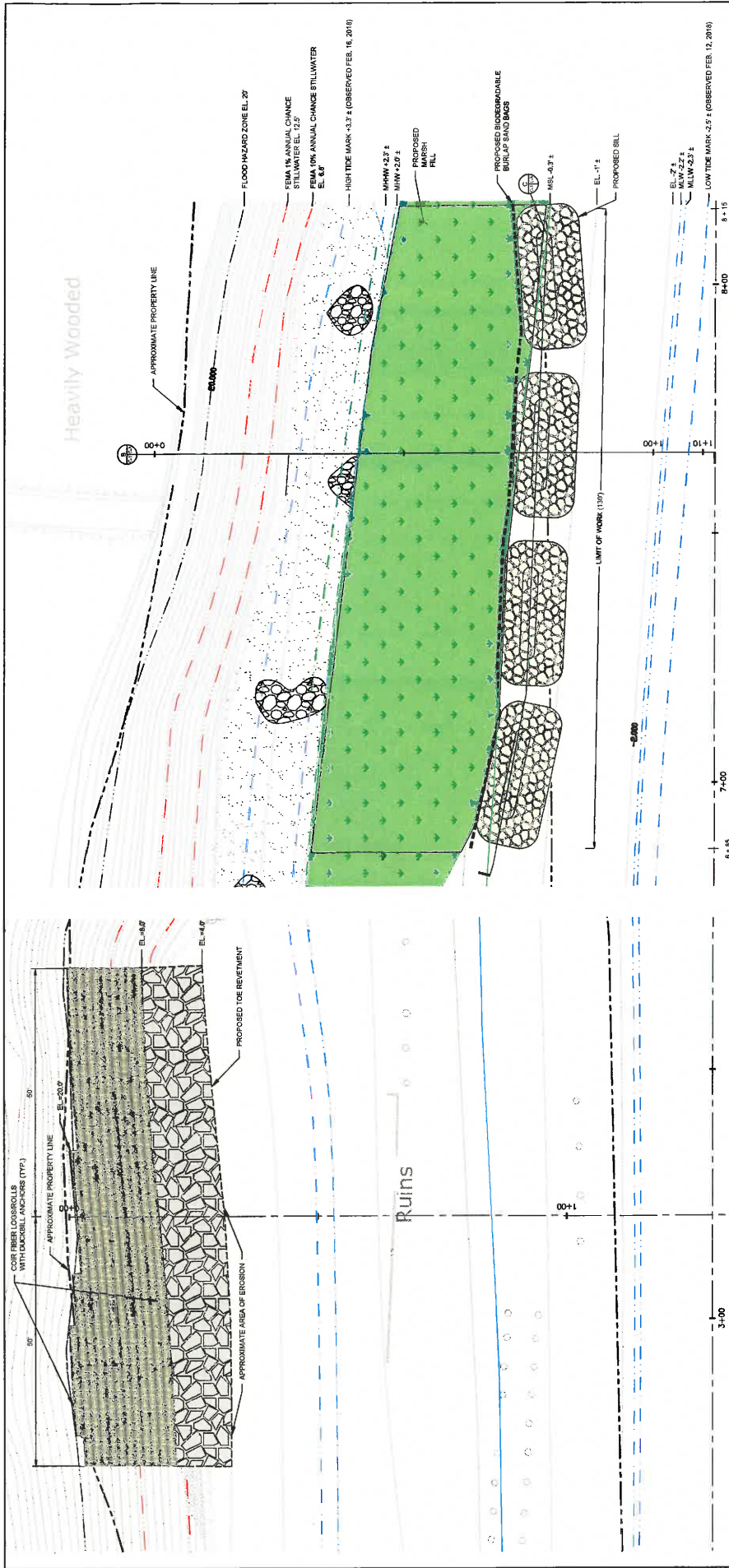
UNLESS SPECIFICALLY STATED IN WRITTEN AGREEMENT, THIS DRAWING IS THE SOLE PROPERTY OF GZA AND IS NOT TO BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE AND RETRIEVAL SYSTEM, WITHOUT THE WRITTEN PERMISSION OF GZA. THE USER OF THIS DRAWING SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE APPROPRIATE AGENCIES AND AUTHORITIES. THE USER SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE APPROPRIATE AGENCIES AND AUTHORITIES. THE USER SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE APPROPRIATE AGENCIES AND AUTHORITIES.

ROSE LARISA LIVING SHORELINE PROJECT
THE NATURE CONSERVANCY
EAST PROVIDENCE, RHODE ISLAND

EXISTING CONDITIONS PLAN

PREPARED FOR: GZA GeoEnvironmental, Inc. 1000 North Main Street, Providence, RI 02903
 www.gza.com

PROJ. NO.: 19-001
 REVISED BY: RLM
 CHECKED BY: DAR
 DRAWN BY: LDT
 SCALE: AS SHOWN
 PROGRAM NO.: 34587
 AUGUST 2019
 SHEET NO. 2 OF 4



LEGEND:

- EXISTING CONTOUR
- PROPERTY LINE (APPROXIMATE)
- EXISTING FENCE
- EXISTING TREESHRIUB LINE
- FEMA ANNUAL CHANCE STILLWATER
- MEAN-HIGH-HIGH WATER
- MEAN-HIGH WATER
- MEAN SEA LEVEL
- MEAN LOW WATER
- MEAN LOW LOW WATER
- FLOOD HAZARD ZONE
- EXISTING SCATTERED RIP RAP
- EXISTING PATH
- EXISTING PAVED WALKWAY
- EXISTING AREA OF EROSION
- EXISTING CONCRETE DEBRIS
- EXISTING RUINS
- EXISTING GRAVEL
- PROPOSED STONE BILL
- PROPOSED SAND PLACEMENT & SALT MARSH PLANTINGS
- EXISTING BEACH
- PROPOSED SAND PLACEMENT & SALT MARSH PLANTINGS

NOTES:

- BASE MAP FOR THIS PLAN IS FROM THE REGIONAL PLAN NUMBER 100 AND BANK AT ROSE LARISA PARK, BY CITY OF PROVIDENCE. SURVEY DATED FEBRUARY 14, 2018. ORIGINAL SCALE 1" = 30'. TOPOGRAPHIC SURVEY WAS PERFORMED USING NORTH AMERICAN VERTICAL DATUM SYSTEM. WADSWORTH AND RHODE ISLAND STATE PLANE COORDINATE SYSTEM.
- PROPERTY LINES ARE APPROXIMATE AND FOR REFERENCE PURPOSES ONLY.

NORTHERN ALIGNMENT
SCALE: 1" = 10'

SOUTHERN ALIGNMENT
SCALE: 1" = 10'

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ROSE LARISA LIVING SHORELINE PROJECT
EAST PROVIDENCE, RHODE ISLAND

NATURE-BASED INFRASTRUCTURE PLAN

PREPARED FOR: **The Nature Conservancy**

PROJECT NO.: **2018-08-001**

DATE: **AUGUST 2018**

DESIGNED BY: **MM** DRAWN BY: **MM** CHECKED BY: **MM** SCALE: **AS SHOWN**

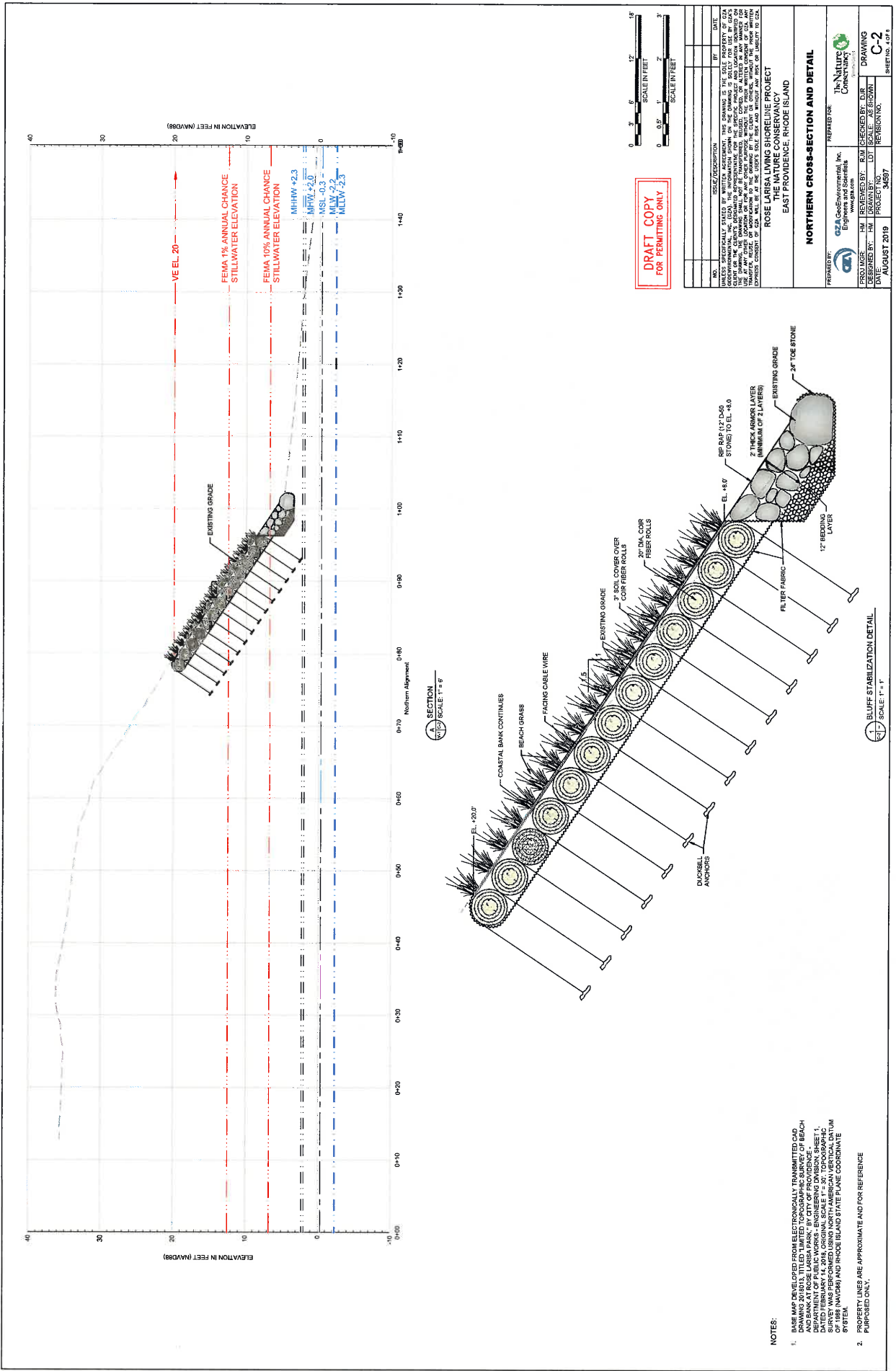
PROJECT NO.: **2018-08-001**

DATE: **AUGUST 2018**

SCALE: **AS SHOWN**

C-1

DATE: **AUGUST 2018**



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NO.	REV./DESCRIPTION	BY	DATE

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ROSE LANE LIVING SHORELINE PROJECT
EAST PROVIDENCE, RHODE ISLAND

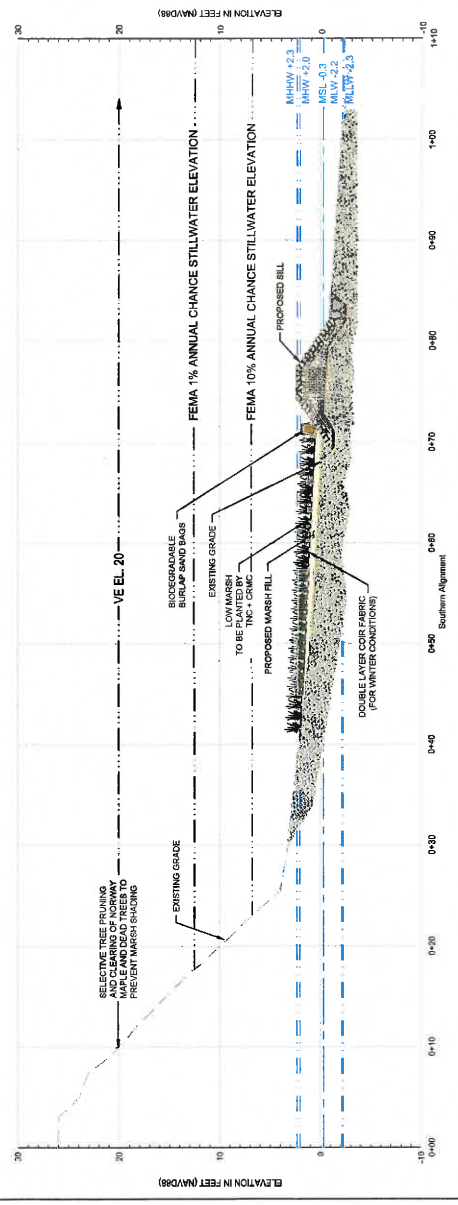
PREPARED BY: **GEA** GeoEnvironmental, Inc.
www.gea.com

PROJECT NO.: 1499-1
DRAWING NO.: C-2
DATE: AUGUST 2018
PROJECT NO.: 34597
SHEET NO. 4 OF 8

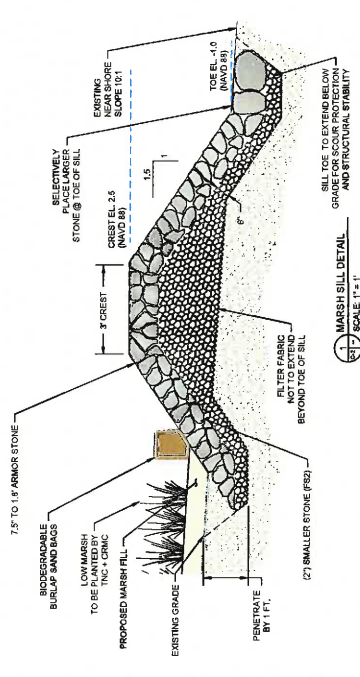
- NOTES:
1. BASE MAP DEVELOPED FROM ELECTRONICALLY TRANSMITTED CAD FILES FROM THE CITY OF PROVIDENCE AND BANK AT ROSE LASSA PARK, BY CITY OF PROVIDENCE DEPARTMENT OF PUBLIC WORKS - ENGINEERING DIVISION, SHEET 1, SURVEY WAS PERFORMED USING NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88) AND RHODE ISLAND STATE PLANE COORDINATE SYSTEM.
 2. DIMENSION LINES ARE APPROXIMATE AND FOR REFERENCE PURPOSES ONLY.

SECTION 11-6 SCALE 1" = 8'

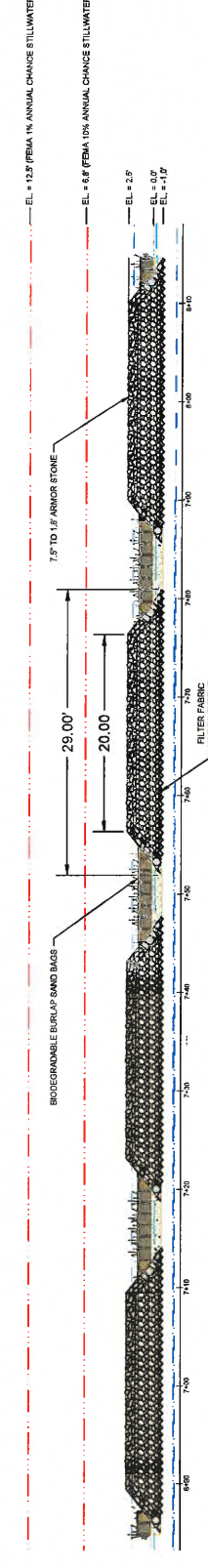
SECTION 11-7 SCALE 1" = 1'



SECTION 1
SCALE 1" = 4'



SECTION 2
SCALE 1" = 1'



SECTION 3
SCALE 1" = 6'

FILL QUANTITIES

MATERIAL	QTY	UNIT
MARSH FILL	80	CU YDS
SMALL STONE	42	CU YDS
ARMORED STONE	125	CU YDS
BURGLAP BAG	131	LINEAR FEET
DOUBLE LAYER COB FABRIC	4,200	SQ. FT.

ARMOR GRADATION

	W (%)	D (")	D (")
Dmax	50	1.5	
75% FINES	33	1.4	
15% FINES	6	0.9	
Dmin	2	0.6	

- NOTES:**
- BASE MAP DEVELOPED FROM ELECTRONICALLY TRANSMITTED CAD AND BAK AT ROSE LARSA PARK, CITY OF PROVIDENCE, BEACH AND BANK AT ROSE LARSA PARK, CITY OF PROVIDENCE, RI. DATED 12/15/10. ALL WORKS ENGINEERING DIVISION SHEET L. SURVEY WAS PERFORMED USING NORTH AMERICAN VERTICAL DATUM SYSTEM (NAVD89) AND RHODE ISLAND STATE PLANE COORDINATE SYSTEM.

REVISIONS

NO.	SCALE/DESCRIPTION	BY	DATE

PROJECT: ROSE LARSA LIVING SHORELINE PROJECT
 EAST PROVIDENCE, RHODE ISLAND

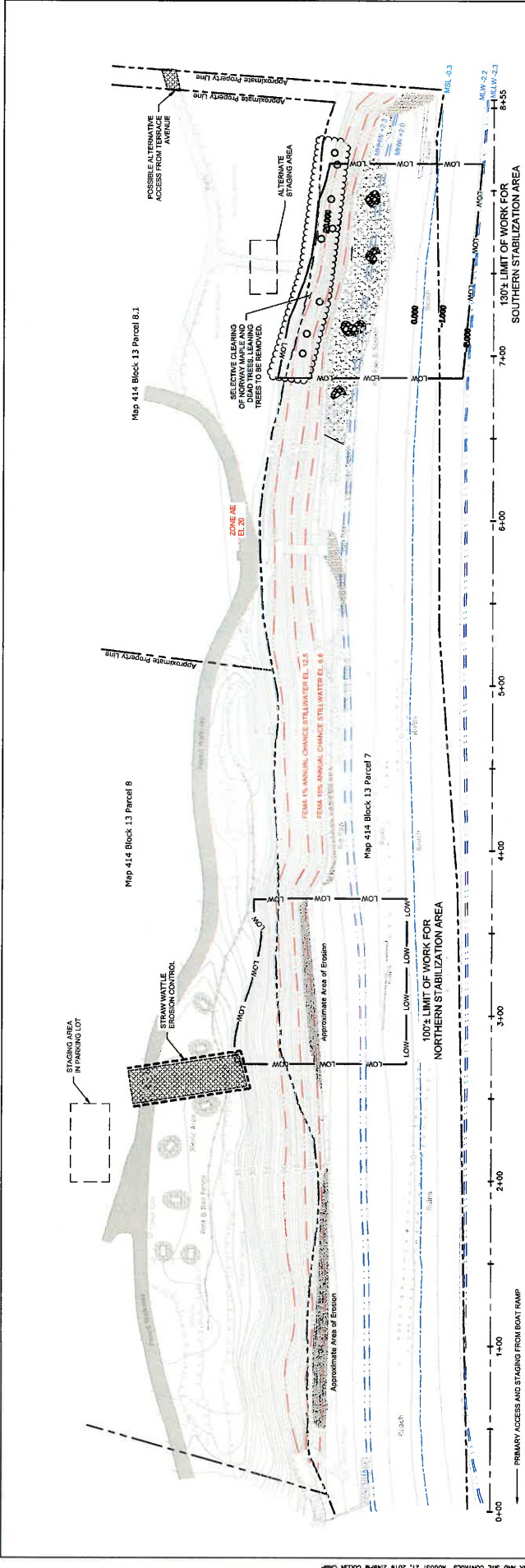
PREPARED FOR:
 THE NATURES CONSERVANCY

ENGINEER:
 SOUTHERN CROSS-SECTIONS AND DETAIL

DESIGNED BY: JIM CHARNICK
 DRAWING NO.: 2019-0105
 PROJECT NO.: 100-2019-0105
 DATE: AUGUST 2019

PROJECT NO. 100-2019-0105
 DRAWING NO. C-3
 SHEET NO. 1 OF 4

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LEGEND:

- EXISTING MAJOR CONTOUR (EVERY 5 FEET)
- EXISTING MINOR CONTOUR
- PROPERTY LINE (APPROXIMATE)
- EXISTING FENCE
- EXISTING TREESHAB LINE
- MEAN-HIGH-HIGH-WATER
- MEAN-HIGH-WATER
- MEAN SEA LEVEL
- MEAN LOW WATER
- MEAN LOW-WATER
- FLOOD-HAZARD-ZONE
- EXISTING RIP-RAP
- EXISTING PATH
- EXISTING PAVED WALKWAY
- EXISTING AREA OF EROSION
- EXISTING CONCRETE DEBRIS
- EXISTING RUINS
- EXISTING GRAVEL
- LIMIT OF WORK (LOW)

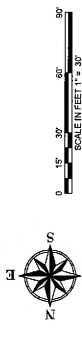
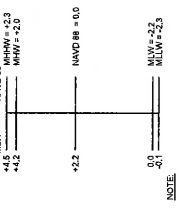
NOTES:

1. BASE MAP DEVELOPED FROM ELECTRONICALLY TRANSMITTED CAD DRAWING FOR THE PROJECT AT THE PROPERTY OF THE CITY OF PROVIDENCE, DEPARTMENT OF PUBLIC WORKS, ENGINEERING DIVISION, SHEET 1, DATED FEBRUARY 14, 2018.
2. COORDINATES ARE BASED ON NORTH AMERICAN DATUM OF 1983 (NAD83), NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88) AND RHODE ISLAND STATE PLANE COORDINATE SYSTEM.
3. PROPERTY LINES ARE APPROXIMATE AND FOR REFERENCE PURPOSES ONLY.

SURVEY AND PROJECT DATUM:

1. ALL ELEVATIONS SHOWN ON PLANS ARE IN U.S. FEET AND REFERENCE TO MEAN SEA LEVEL.
2. COORDINATES ARE BASED ON NORTH AMERICAN DATUM OF 1983 (NAD83), RHODE ISLAND STATE PLANE, EASTERN ZONE, U.S. FEET (RIBL-EF).

TIDAL ELEVATIONS



NO.	ISSUE/DESCRIPTION	BY	DATE

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ROSE HARBOR MARINE RECREATION DISTRICT
THE NATURE CONSERVANCY
EAST PROVIDENCE, RHODE ISLAND

LIMIT OF WORK AND SITE CONTROLS

PREPARED BY: GZA Aggregations, Inc.
PROJECT NO.: 34697

DESIGNED BY: RM
CHECKED BY: DJR
DATE: AUGUST 2019

DRAWING: C-4
SHEET NO. 1 OF 6

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