



State of Rhode Island  
**Coastal Resources Management Council**  
Oliver H. Stedman Government Center  
4808 Tower Hill Road, Suite 3  
Wakefield, RI 02879-1900

(401) 783-3370  
Fax (401) 783-2069

## **PUBLIC NOTICE**

File Number: 2026-01-003 Date: April 9, 2026

This office has under consideration the application of:

**NRI TT RGG LLC ET AL**  
**c/o Turner C. Scott**  
**122 Touro Street**  
**Newport, RI 02840**

for a State of Rhode Island Assent to construct and maintain:

**The current plan includes conducting maintenance activities along the entire 550-foot length between Webster Street and Narragansett Avenue. For ease of discussion, we have divided the area into 5 sections. Refer to the attached plan set for details.**

Section 1 (STA 0+00 to 1+25) - Exposed Cliff Face. A geotextile fabric is proposed with crushed stone and rip rap cover. The wall will extend to approximately MLW with a 1.5:1 slope. Grout or concrete will be used to fill existing cavity(s) in the cliff face. Large stones are proposed at the toe, landward of a new cast-in-place concrete block, and armor stones reduced in size past the 100-Year Flood Water Level. Nearly all activities will be above the MLW line.

Section 2 (STA 1+25 to 2+00) - Granite Block Wall. Rip-rap is proposed along the face of the existing granite block wall from the base flood elevation of 25' NAVD88. Wall construction will be at a 1.5:1 slope. Grout or concrete will be used to fill cavity(s) in the wall face, and/or to create base slope. Large 5'-6' stones will be placed at the toe, landward of a new cast-in-place concrete block, and armor stones will be placed beyond the 100-Year Flood Water Level. Nearly all activities will be above the MLW line.

Section 3 (STA 2+00 to 3+25) - March 3, 2022, Collapsed Area. A modular stone block wall is proposed directly below and adjacent to the Cliff Walk path. The wall will be supported by concrete filled micropiles drilled 5-feet below bedrock. A rip-rap wall is proposed to extend seaward at a 1.5:1 slope. Grout or concrete will be used to fill cavity(ies) in the cliff face. Large 5'-6' stones will be placed at the toe, landward of new cast-in-place concrete blocks, and armor stones reduced in size will be placed beyond the 100-Year Flood Water Level. Nearly all activities will be above the MLW line.

Section 4 (STA 3+25 to 4+25) - Exposed Cliff Face. Rip-rap is proposed to extend seaward from the base flood elevation of 25' NAVD88, sloping at 1.5:1. Grout or concrete will be used to fill cavity(ies) in the cliff face. Large 5'-6' stones will be placed at the toe in front of new cast-in-place concrete blocks, and armor stones reduced in size will be placed beyond the 100-Year Flood Water Level. Nearly all activities will be above the MLW line.

**NRI TT RGG LLC ET AL**

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Section 5 (STA 4+25 to 5+50) – Granite Block Wall. The collapsed area of Section 5, landward of the existing granite block wall is proposed to be filled with crushed stone and topped with a layer of RIDOT R-8 Armor Stone. Seaward of the existing granite block wall, rip-rap is proposed to extend at a slope of 1.5:1. Large 5’-6’ stones will be placed at the toe in front of new cast-in-place concrete blocks, and armor stones reduced in size will be placed beyond the 100-Year Flood Water Level. Nearly all activities will be above the MLW line.

The current estimate is that approximately 18,242 square feet (SF) (3830 cubic yards) of permanent impacts will occur in Rhode Island tidal waters (below high tide line). At the location of the bedrock outcrop there will be filling at Section F-F (approximately stations 3+75 to 4+50). *This portion of the project may be considered Prohibited if it is determined that all reasonable steps have been taken to minimize environmental impacts and the filling of tidal waters is beyond that which is consistent with § 1.3.1(G)(5)(a) of this Part is prohibited. (Also reference § 1.1.8, Special Exceptions).*

Project Location:	185-199 Narragansett Avenue
City/Town:	Newport
Plat/Lot:	Plat 36, lot 1
Waterway:	Easton Bay

Plans of the proposed work can be requested at [Cstaff1@crmc.ri.gov](mailto:Cstaff1@crmc.ri.gov).

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.

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 (**with your correct mailing address, e-mail address and valid contact number**) and be received at this office on or before **May 9, 2026**.

Please email your comments/hearing requests to: [cstaff1@crmc.ri.gov](mailto:cstaff1@crmc.ri.gov); or mail via USPS to: Coastal Resources Management Council; O. S. Government Center, 4808 Tower Hill Road, Rm 116; Wakefield, RI 02879.

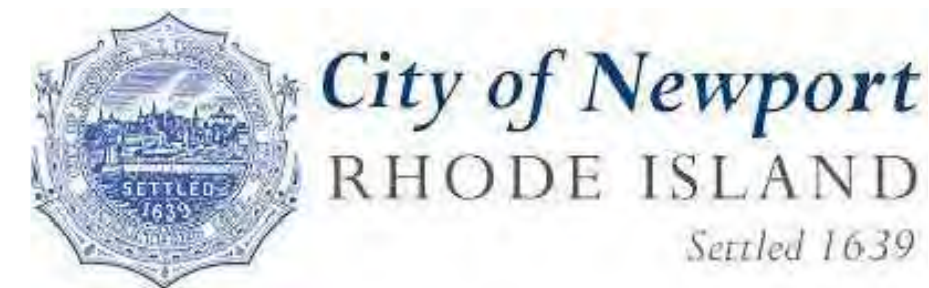
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# NEWPORT CLIFF WALK REPAIR

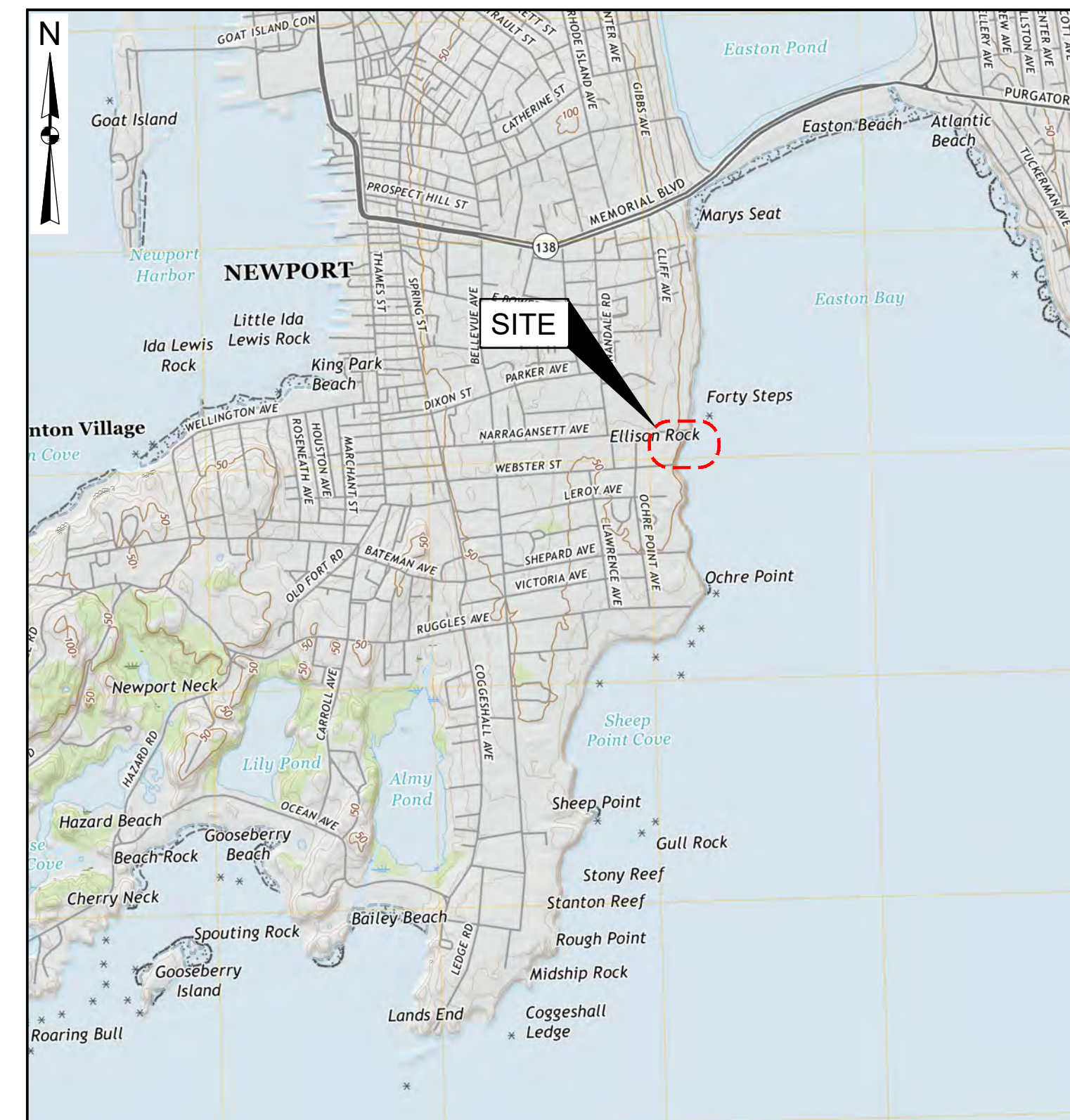
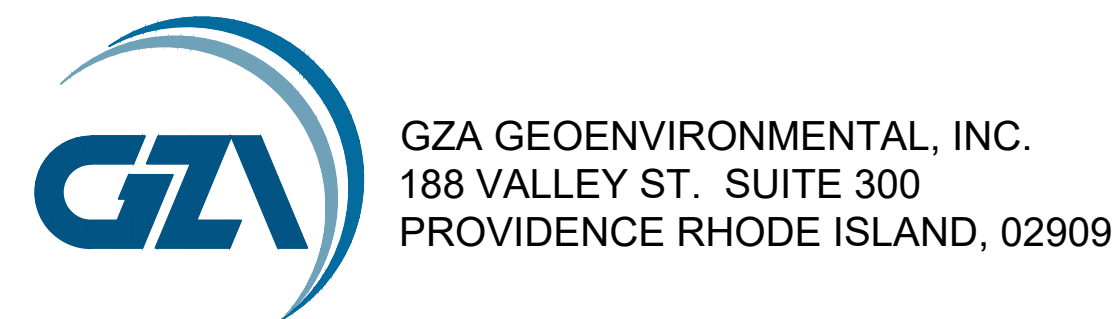
NEWPORT, RHODE ISLAND

DECEMBER, 2025

PREPARED FOR:



DESIGNED BY:



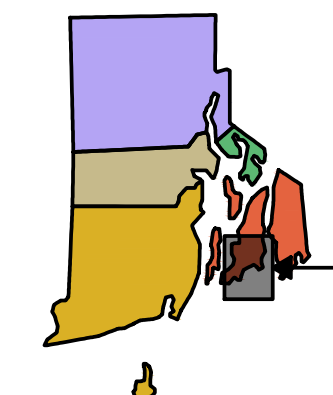
**INDEX OF DRAWINGS**

SHEET No.	SHEET TITLE
<b>GENERAL</b>	
1	COVER SHEET AND INDEX OF DRAWINGS
2	GENERAL NOTES AND LEGENDS
<b>CIVIL</b>	
3	EXISTING CONDITIONS PLAN
4	EXISTING CONDITIONS SECTIONS (SHEET 1 OF 3)
5	EXISTING CONDITIONS SECTIONS (SHEET 2 OF 3)
6	EXISTING CONDITIONS SECTIONS (SHEET 3 OF 3)
7	SUBSURFACE EXPLORATION PROFILES
8	TEMPORARY CONTROLS PLAN
9	TEMPORARY CONTROLS DETAILS
10	TRAFFIC CONTROLS PLAN
11	DEMOLITION PLAN
12	DEMOLITION SECTIONS
13	PROPOSED CONDITIONS PLAN
14	FINAL - RESTORATION PLAN
15	TYPICAL REVETMENT CONSTRUCTION PHASING
16	PROPOSED CONDITIONS SECTIONS (SHEET 1 OF 3)
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19	TYPICAL REPAIR PLAN - ELEVATION
20	REPAIR DETAILS AND ELEVATION
21	STONE STRONG BLOCK DETAILS

**PROJECT LOCUS MAP**

SOURCE: BASE MAP FROM THE FOLLOWING USGS QUADRANGLE MAP:  
NEWPORT, RI (2021)  
DIGITAL TOPOGRAPHIC MAPS PROVIDED BY USGSSTORE.GOV.  
CONTOUR ELEVATIONS REFERENCE NAVD 88.  
CONTOURS ARE SHOWN IN FEET AT 10 FOOT INTERVALS

**RHODE ISLAND**



**PROJECT VICINITY MAP**

AERIAL BASE MAP DEVELOPED FROM AN ELECTRONIC  
IMAGE FILE PROVIDED BY MICROSOFT CORPORATION /  
DIGITAL GLOBE / CNES DISTRIBUTION AIRBUS DC IN 2018.



PERMITTING ONLY  
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GENERAL NOTES:

- 1. ELEVATIONS ARE IN FEET AND REFERENCE NAVD 88 DATUM: MLW=-1.90, MHW = +1.57, FEMA 100-YEAR FLOOD = 10.60 (ZONE AE).
- 2. CRMC WATER TYPE DESIGNATION IS TYPE 3.
- 3. LIMITED TOPOGRAPHIC SURVEY PERFORMED BY DOUCET LAND SURVEYORS AND PROVIDED TO GZA.
- 4. THE SUBJECT PROPERTY DEPICTED HEREON APPEARS TO BE WITHIN FEMA FLOOD ZONES VE PER FEMA FLOOD INSURANCE RATE MAP 44009C0211J, DATED SEPTEMBER 4, 2023.
- 5. THE LOCATION OF EXISTING STRUCTURES ON ABUTTING PROPERTIES WERE APPROXIMATED USING DIGITAL AERIAL ORTHOPHOTOGRAPHY.
- 6. CRMC ASSENT REQUIREMENTS/STIPULATIONS ARE CONSIDERED PART OF THE CONTRACT.

GENERAL CONSTRUCTION NOTES:

- 1. THE LOCATION OF EXISTING UNDERGROUND UTILITIES SHOWN IS APPROXIMATE AND HAS NOT BEEN VERIFIED. THE DRAWINGS MAKE NO GUARANTEE THAT THE UNDERGROUND UTILITIES SHOWN COMPRISE ALL SUCH UTILITIES IN THE AREA, EITHER IN-SERVICE OR ABANDONED. THE DRAWINGS DO NOT WARRANT THAT THE UNDERGROUND UTILITIES SHOWN ARE IN THE EXACT LOCATION INDICATED.
- 2. PRE-MARK WORK AREA AND CALL DIG SAFE® (811 OR 888-344-723) TO NOTIFY MEMBER UTILITIES. PRIOR TO NOTIFYING DIG SAFE®, THE EXCAVATIONS MUST BE PRE-MARKED WITH WHITE PAINT. HAVE THE SITE MARKED AND DIG SAFE® NOTIFIED AT LEAST FIVE DAYS (EXCLUDING SATURDAYS, SUNDAYS AND HOLIDAYS) PRIOR TO ANY EXCAVATION OR DEMOLITION. THE CONTRACTOR SHALL COORDINATE ALL UTILITY WORK WITH THE APPROPRIATE UTILITY COMPANY REPRESENTATIVES.
- 3. CHECK AND VERIFY LOCATIONS AND ELEVATIONS OF ALL UTILITIES, BOTH UNDERGROUND AND OVERHEAD, BEFORE BEGINNING WORK. CONTRACTOR SHALL TAKE APPROPRIATE PRECAUTIONS TO PROTECT ALL UNDERGROUND UTILITIES DURING EXCAVATION AT THE SITE.
- 4. THE CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS, ELEVATIONS AND DIMENSIONS IN THE FIELD BEFORE ORDERING ANY MATERIAL, COMMENCING ANY FABRICATION OR PERFORMING ANY WORK. THE CONTRACTOR SHALL NOTIFY THE ENGINEER, IN WRITING, OF ANY CONDITIONS, ELEVATIONS OR DIMENSIONS THAT VARY FROM THOSE SHOWN ON THE DRAWINGS PRIOR TO THE START OF CONSTRUCTION.
- 5. THE TEMPORARY CONTROLS SHALL BE INSTALLED PRIOR TO THE START OF THE WORK AND BE MAINTAINED THROUGHOUT CONSTRUCTION.
- 6. EXERCISE ALL NECESSARY CARE TO PREVENT ANY DAMAGE TO UTILITIES, EXISTING STRUCTURES OR NEW STRUCTURES. IF CONTRACTOR DAMAGES UTILITIES, EXISTING STRUCTURES OR NEW STRUCTURES, CONTRACTOR SHALL IMMEDIATELY NOTIFY OWNER AND ENGINEER. CONTRACTOR SHALL RESTORE THE DAMAGES TO THEIR PRE-CONSTRUCTION CONDITIONS IN ACCORDANCE WITH CONTRACT DOCUMENTS AT NO ADDITIONAL COST TO OWNER.
- 7. PROVIDE ALL MATERIALS, EQUIPMENT AND TOOLS NECESSARY TO COMPLETE THE WORK. THE OWNER WILL NOT PROVIDE SECURITY AND ASSUMES NO RESPONSIBILITY OR LIABILITY FOR ANY MATERIALS, EQUIPMENT OR TOOLS STORED AT ITS PROPERTY.
- 8. ALL TYPES OF WASTE GENERATED AT THE SITE SHALL BE DISPOSED OF IN A MANNER CONSISTENT WITH FEDERAL, STATE AND LOCAL REGULATIONS AND CONTRACT DOCUMENTS.
- 9. THE CONTRACTOR SHALL NOTIFY THE OWNER WHEN UNANTICIPATED OR APPARENTLY DANGEROUS CONDITIONS ARE UNCOVERED DURING CONSTRUCTION OR DEMOLITION.
- 10. IT IS THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE ERECTION PROCEDURES AND SEQUENCE ERECTION TO ENSURE THE SAFETY OF THE FACILITIES AND THEIR COMPONENTS DURING DEMOLITION AND ERECTION. THIS MAY INCLUDE THE ADDITION OF NECESSARY SHORING AND TEMPORARY BRACING.
- 11. CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIALS, TOOLS, EQUIPMENT, TRAINING, CERTIFICATES AND PROTECTIVE MEASURES, AS SPECIFIED AND REQUIRED TO COMPLY WITH CONTRACTOR'S OBLIGATIONS UNDER THIS CONTRACT FOR SAFETY AND PROTECTION OF PERSONNEL AND PROPERTY.
- 12. CONTRACTOR SHALL AT ALL TIMES BE SOLELY RESPONSIBLE FOR EXERCISING REASONABLE PRECAUTION TO PROTECT THE HEALTH, SAFETY AND WELFARE OF ALL ON-SITE PERSONNEL, THE PUBLIC AND THE ENVIRONMENT DURING PERFORMANCE OF THE WORK DESCRIBED WITHIN THE CONTRACT DOCUMENTS. CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE PROVISIONS OF FEDERAL, STATE AND LOCAL HEALTH AND SAFETY AND OCCUPATIONAL HEALTH AND SAFETY STATUTES AND CODES.
- 13. THE CONTRACT DOCUMENTS INDICATE INFORMATION AVAILABLE RELATIVE TO SUBSURFACE CONDITIONS AT THE SITE. SUCH INFORMATION AND DATA ARE NOT INTENDED AS A REPRESENTATION OR WARRANTY OF CONTINUITY OF CONDITIONS BETWEEN SOIL BORINGS OR TEST PITS, NOR OF GROUNDWATER LEVELS AT DATES AND TIMES OTHER THAN DATE AND TIME WHEN MEASURED, NOR THAT PURPOSE OF OBTAINING THE INFORMATION AND DATA WERE APPROPRIATE FOR USE BY CONTRACTOR. OWNER AND ENGINEER WILL NOT BE RESPONSIBLE FOR INTERPRETATIONS OR CONCLUSIONS DRAWN THEREFROM BY CONTRACTOR.
- 14. SOIL BORINGS AND OTHER EXPLORATORY OPERATIONS MAY BE MADE BY CONTRACTOR, AT NO ADDITIONAL COST TO OWNER. COORDINATE CONTRACTOR-PERFORMED TEST BORINGS AND OTHER EXPLORATORY OPERATIONS WITH THE OWNER, UTILITY OWNERS AND OTHERS AS APPROPRIATE. PERFORM SUCH EXPLORATIONS WITHOUT DISRUPTING OR OTHERWISE ADVERSELY AFFECTING OPERATIONS OF OWNER, UTILITY OWNERS OR OTHERS. COMPLY WITH LAWS AND REGULATIONS RELATIVE TO REQUIRED NOTIFICATIONS.

TEMPORARY CONTROLS:

- 1. THE CONTRACTOR SHALL PROVIDE AND MAINTAIN TEMPORARY CONSTRUCTION FENCES AND BARRIERS AROUND THE CONTRACTOR WORK AREA. THE CONTRACTOR SHALL COORDINATE ACCESS AND BARRIERS WITH THE CITY OF NEWPORT AND OCHRE POINT PROPERTY.
- 2. ALL EROSION CONTROL MEASURES SHALL BE PUT INTO PLACE PRIOR TO THE START OF CONSTRUCTION AND SHALL REMAIN IN PLACE UNTIL COMPLETION OF THE PROJECT. EROSION AND SEDIMENTATION CONTROLS SHALL BE INSPECTED AND MAINTAINED AFTER EACH RAIN EVENT AND REPLACED AS NECESSARY DURING PROJECT CONSTRUCTION.
- 3. DEBRIS AND OIL ABSORBENT TURBIDITY BOOMS SHALL BE PLACED AROUND THE LIMIT OF WORK. DEBRIS SHALL BE REMOVED DAILY.
- 4. TEMPORARY CONTROLS SHALL BE INSTALLED, AS SHOWN ON THE DRAWINGS AND IN ACCORDANCE WITH PERMIT REQUIREMENTS AND SECTION 01 57 00- TEMPORARY CONTROLS. PRIOR TO THE START OF WORK AND BE MAINTAINED THROUGHOUT CONSTRUCTION.
- 5. STANDARD DUST CONTROL MEASURES, INCLUDING THE USE OF WATER MIST AND OTHER SUITABLE METHODS TO LIMIT THE SPREAD OF DUST SHALL BE USED, AS NECESSARY, TO COMPLY WITH GOVERNING ENVIRONMENTAL PROTECTION REGULATIONS. DO NOT USE WATER WHERE IT MAY CREATE HAZARDOUS OR OBJECTIONABLE CONDITIONS SUCH AS ICE, FLOODING, AND POLLUTION. CALCIUM CHLORIDE SHALL NOT BE ALLOWED IN ANY ARE IN THE OCHRE POINT YARD. DUST CONTROL SHALL BE PERFORMED USING WATER ONLY.
- 6. ALL MATERIAL REMOVED AND NOT REUSED SHALL BECOME THE PROPERTY OF THE OWNER AND SHALL BE REMOVED DAILY FROM THE SITE OR PROPERLY STORED AT AN APPROVED LOCATION ON SITE. REMOVED MATERIAL SHALL BE DISPOSED OF IN ACCORDANCE WITH ALL LOCAL, STATE AND FEDERAL LAWS.
- 7. STOCKPILE ALL REMOVED SOIL ON SITE OR AT A LOCATION DIRECTED BY THE OWNER FOR RE-USE.

GENERAL WATER CONTROL NOTES:

- 1. THE CONTRACTOR MUST SUBMIT A WATER AND SEDIMENT CONTROL PLAN IN ACCORDANCE WITH STATE REGULATIONS AND PROJECT PERMIT. THE PLAN SHALL BE PREPARED AND STAMPED BY A LICENSED RHODE ISLAND PROFESSIONAL ENGINEER, FOR REVIEW AND APPROVAL PRIOR TO CONSTRUCTION. THE PLAN MUST INCLUDE DEWATERING MEASURES FOR EXCAVATED SEDIMENT.

COORDINATION:

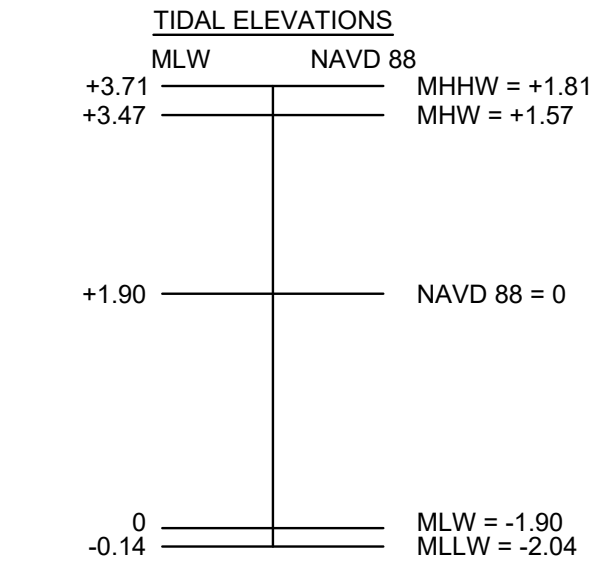
- 1. THE CONTRACTOR SHALL COORDINATE ALL CONSTRUCTION WORK WITH OTHER CONTRACTORS WORKING AT THE SITE.
- 2. TO THE FULLEST EXTENT PRACTICAL, EXCEPT AS PROVIDED IN THE CONSTRUCTION DOCUMENTS, THE CONTRACTOR SHALL NOT INTERFERE WITH ACCESS TO THE SURROUNDING AREA.
- 3. THE CONTRACTOR SHALL COORDINATE ALL WORK WITH THE APPROPRIATE UTILITY COMPANY REPRESENTATIVES AND CITY OF NEWPORT AND OCHRE POINT PROPERTY.

DISPOSAL:

- 1. THE CONTRACTOR WILL BE RESPONSIBLE FOR THE LEGAL DISPOSAL OF ALL MATERIALS. NO MATERIAL IS TO BE DEPOSITED INTO THE SURROUNDING WATERS.
- 2. DISPOSAL OF ALL WASTE MATERIAL SHALL BE IN ACCORDANCE WITH THE SPECIFICATIONS AND CONSISTENT WITH ALL FEDERAL, STATE, AND LOCAL REGULATIONS.
- 3. PRIOR TO DISPOSAL, THE OWNER SHALL APPROVE ALL DISPOSAL SITES.

SURVEY AND PROJECT DATUM:

- 1. ALL ELEVATIONS SHOWN ON PLANS ARE IN U.S. FEET AND REFERENCE 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 (RI83-EF).
- 3. CONTRACTOR SHALL MAINTAIN ADEQUATE SURVEY CONTROL AT ALL TIMES TO ESTABLISH AND MAINTAIN ALL LINES AND ELEVATIONS.



NOTE: TIDAL ELEVATIONS ARE REFERENCED TO NOAA STATION #8452660, NEWPORT, RI.

INDEX CONTOUR ELEVATIONS

Table with 3 columns: DESCRIPTION, ELEVATION, CONTOUR. Includes FEMA BASE FLOOD ELEVATION (25.00), 100 YEAR STILL WATER (10.60), HIGH TIDE ELEVATION (3.15), MEAN HIGH WATER (1.57), and MEAN LOW WATER (-1.90).

LEGEND

Legend table listing symbols for BENCHMARK / CONTROL POINT (CP), PROPERTY LINE, EXISTING CONTOURS (MAJOR/MINOR), FILTREXX (R) SILT SOXX (OR EQUAL), LIMIT OF WORK, TEMPORARY FENCE LINE, EXISTING GATES, NEW GATES, EXISTING STRUCTURES, JERSEY BARRIER, and JERSEY BARRIER WITH FENCE.

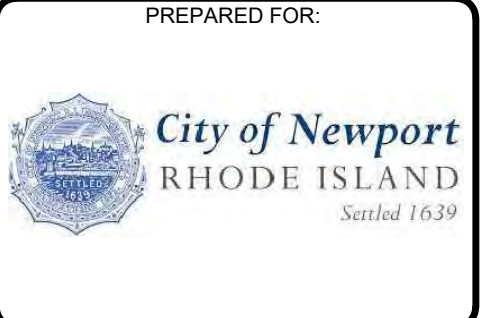
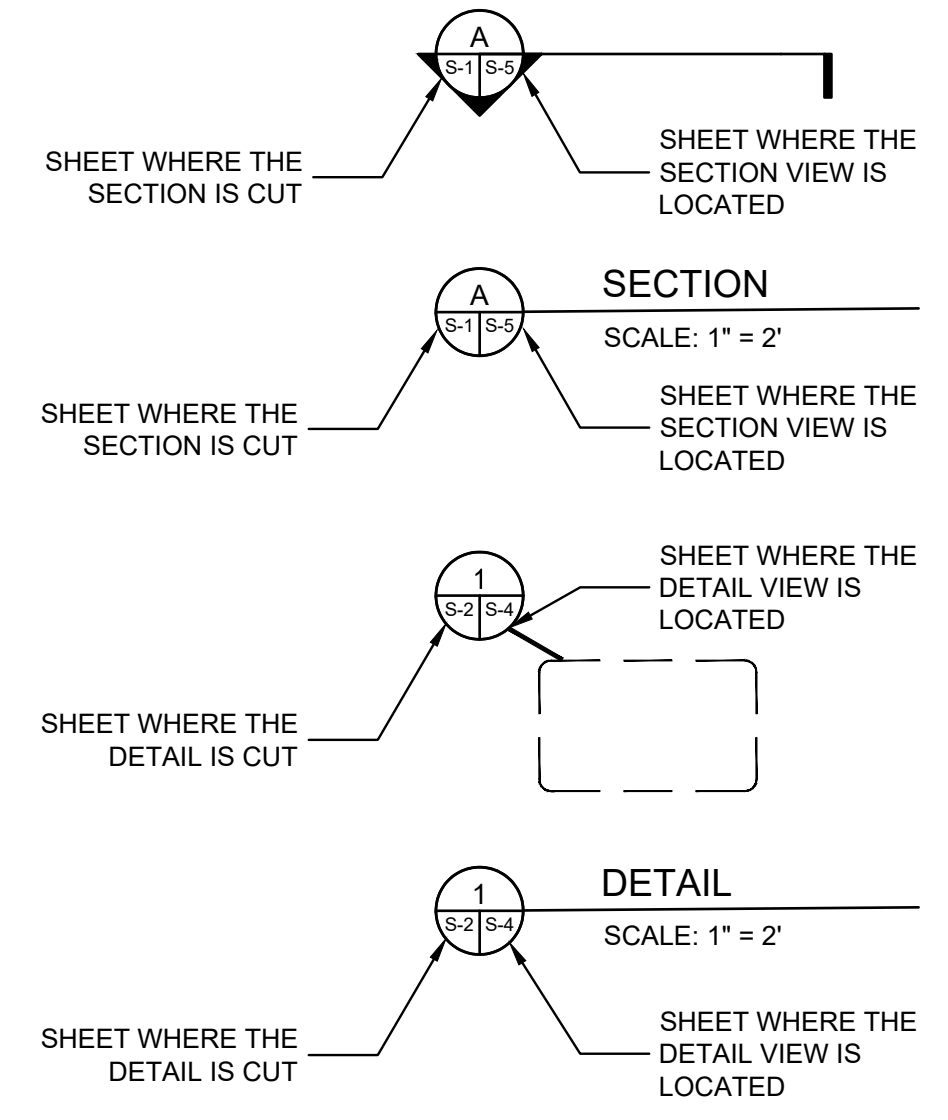
UTILITIES LEGEND:

Utilities Legend table listing symbols for EXISTING OVERHEAD WIRES, EXISTING WATER LINE, ABOVE GROUND FORCE MAIN, EXISTING ELECTRICAL LINE, EXISTING GAS LINE, EXISTING TELECOMMUNICATIONS, ABANDONED WATER LINE, EXISTING WATER MANHOLE, EXISTING ELECTRICAL MANHOLE, EXISTING UTILITY MANHOLE, EXISTING TELEPHONE MANHOLE, EXISTING STORMWATER MANHOLE, EXISTING UTILITY POLE, EXISTING HYDRANT, and EXISTING LIGHT POST.

ABBREVIATIONS AND ACRONYMS

Table listing abbreviations and acronyms such as DIA (DIAMETER), C.I. (CAST IRON), D.I. (DUCTILE IRON), EL. (ELEVATION), HASP (HEALTH AND SAFETY PLAN), HDPE (HIGH-DENSITY POLYETHYLENE), INV. (INVERT), MHHW (MEAN HIGH, HIGH WATER), MHW (MEAN HIGH WATER), MIN. (MINIMUM), MLLW (MEAN LOW, LOW WATER), MLW (MEAN LOW WATER), NOAA (NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION), OHW (OVERHEAD WIRES), PCP (PRE-CAST PIPE), STA. (STATION), TYP. (TYPICAL), N / F (NON OR FORMERLY), and APRX (APPROXIMATE).

ANNOTATIONS AND LABELS



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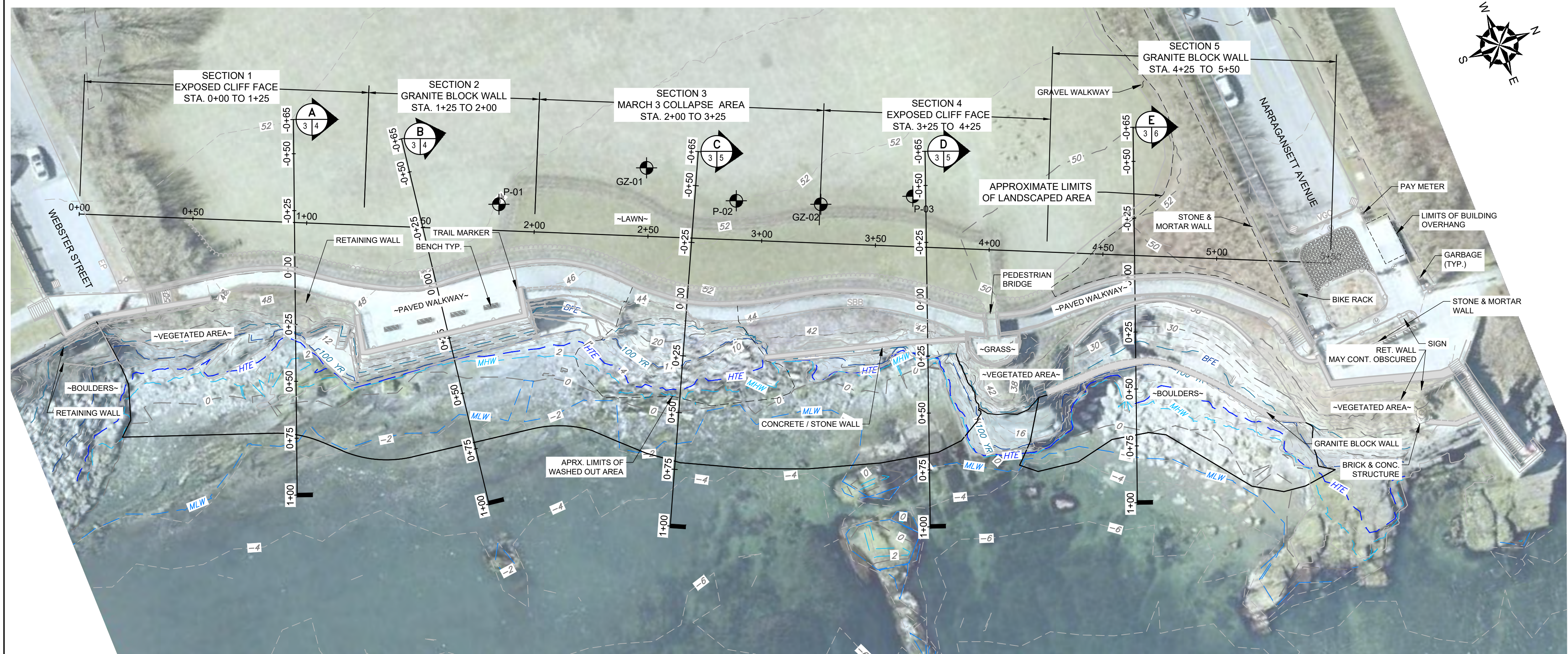
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Revision table with columns: REV, DESCRIPTION, DATE, BY.

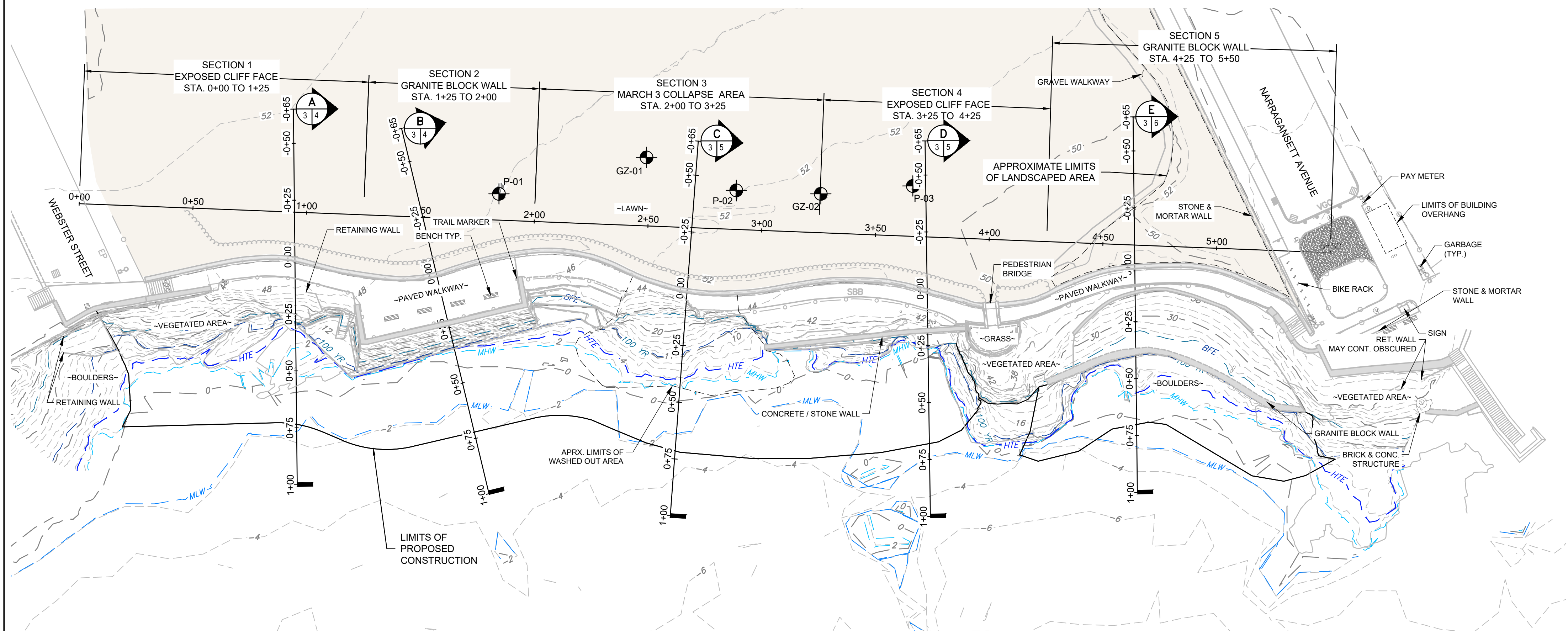
Project information table including Project No. (33884.01), Date (December, 2025), Project Mgr. (TWS), Designed by (SAB), Drawn by (GRB), Checked by (TWS), Reviewed by (MJP), and Scale (AS NOTED).

NEWPORT CLIFF WALK REPAIR NEWPORT, RHODE ISLAND GENERAL NOTES AND LEGENDS

© 2025 - GZA GeoEnvironmental, Inc. GZA--\A\GEO\33884.01\TWS\CAD\CURRENT\PLANS\100% DESIGN\12-25-25\3\_EXISTING CONDITIONS PLANDWG 3 EXISTING CONDITIONS PLAN November 25, 2025 GARY BASTEN



AERIAL SITE PLAN



EXISTING CONDITIONS PLAN  
SCALE: 1"=30'

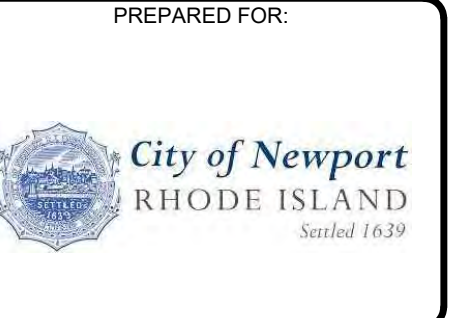
NOTES

1. BASE MAP DEVELOPED FROM AERIAL PHOTOGRAMMETRY DATA AND ELECTRONIC DRAWING FILE "7318A 2022-06-02" PREPARED BY DOUCET LAND SURVEYORS AND PROVIDED TO GZA.
2. ALL ELEVATIONS REFERENCE NORTH AMERICAN VERTICAL DATUM 1988 (NAVD88).

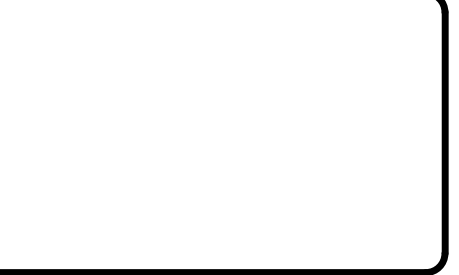
LEGEND

- INDICATES BORINGS/PROBES PERFORMED BY NEW ENGLAND BORING AND OBSERVED BY GZA PERSONNEL.
- RETAINING WALL
- CHAIN LINK FENCE
- HANDRAIL
- SHRUB LINE
- MAJOR CONTOUR 10 FOOT INTERVAL
- MINOR CONTOUR 2 FOOT INTERVAL
- TOPSOIL BEHIND WALL

DESCRIPTION	ELEVATION	CONTOUR
FEMA BASE FLOOD ELEVATION	25.00	BFE
100 YEAR STILL WATER	10.60	100 YR
HIGH TIDE ELEVATION	3.15	HTE
MEAN HIGH WATER	1.57	MHW
MEAN LOW WATER	-1.90	MLW



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**PERMITTING ONLY  
NOT FOR CONSTRUCTION**

REV.	DESCRIPTION	DATE	BY

PROJECT NO:	33884.01
DATE:	DECEMBER, 2025
PROJECT MGR:	TWS
DESIGNED BY:	SAB
DRAWN BY:	GRB
CHECKED BY:	TWS
REVIEWED BY:	MJP
SCALE:	AS NOTED
REVISION NO.	

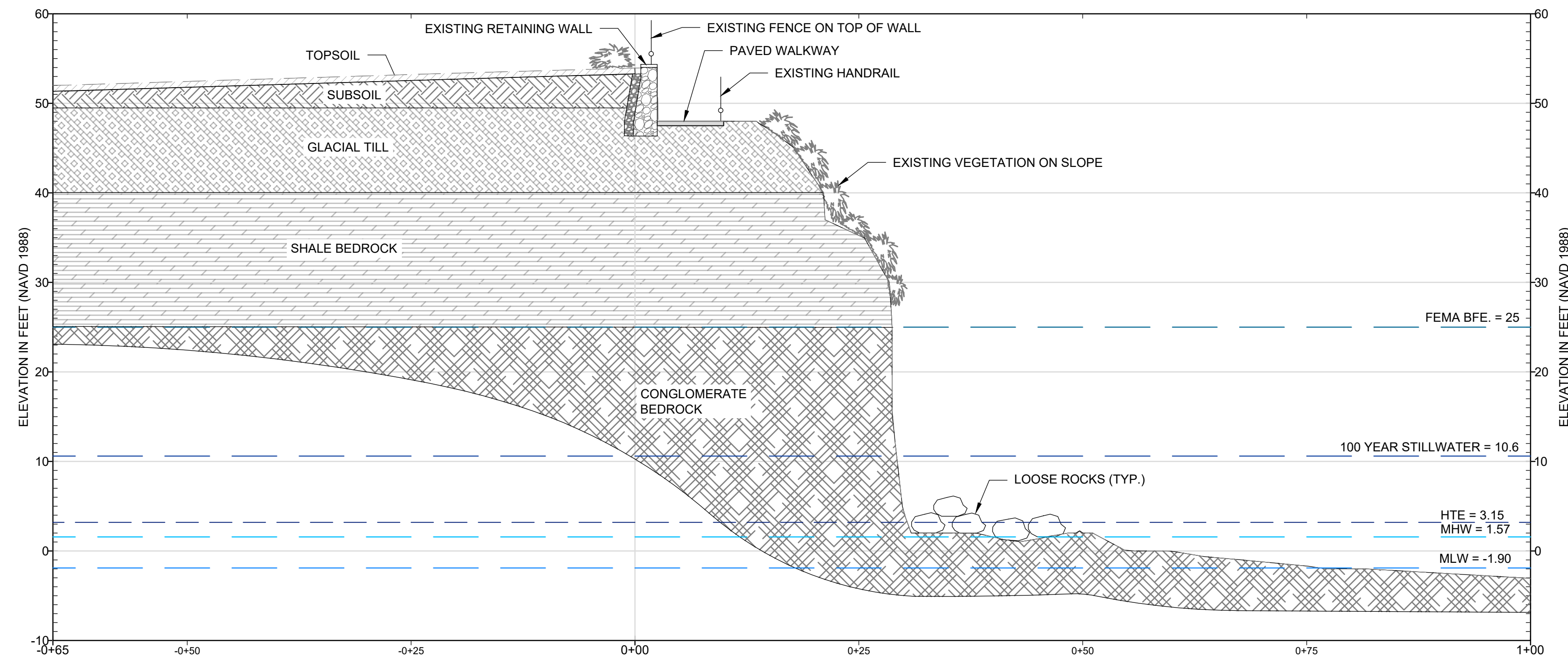
NEWPORT CLIFF WALK REPAIR  
NEWPORT, RHODE ISLAND

EXISTING CONDITIONS PLAN

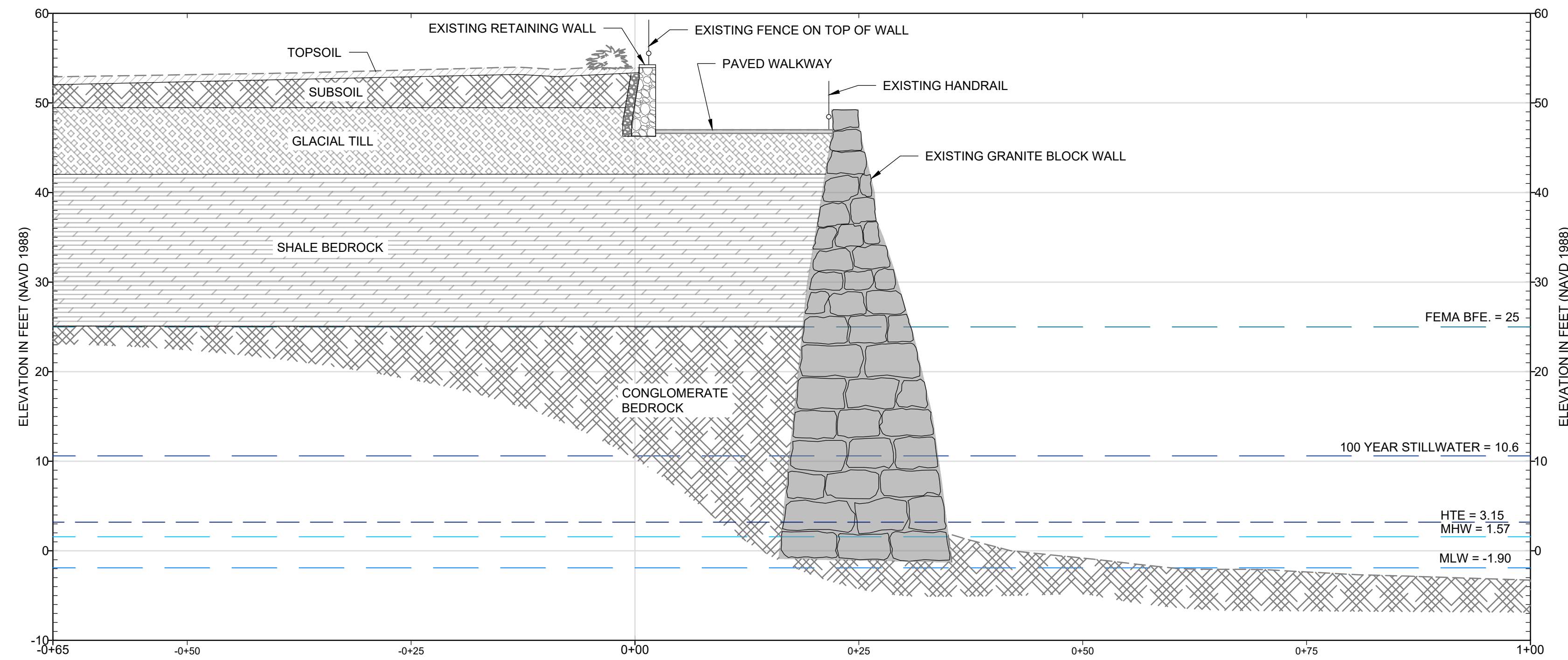


RECEIVED  
12/29/2025  
MANAGEMENT COUNCIL

© 2025 - GZA GeoEnvironmental, Inc. GZA--(1)GEO\33884.01.TWS\GEO\CURRENT\PLANS\100% DESIGN\12-29-25\4\_EXISTING CONDITIONS SECTIONS A-A' AND B-B'.DWG 4\_EXISTING CONDITIONS SECTIONS A-A' AND B-B'.DWG 4\_EXISTING CONDITIONS SECTIONS A-A' AND B-B'.DWG November 25, 2025 GARY BASTIEN

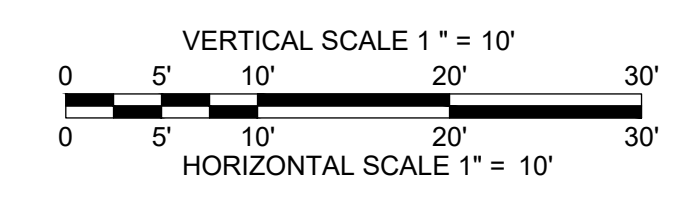


**A** EXISTING SECTION A-A'  
SCALE: 1"=10'

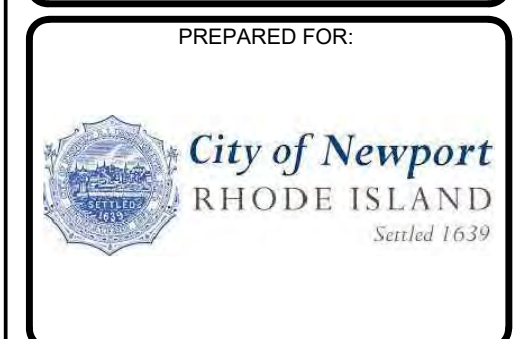


**B** EXISTING SECTION B-B'  
SCALE: 1"=10'

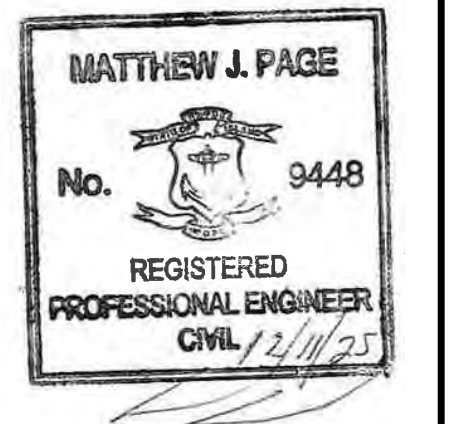
- NOTE:
- LIMITS OF SLOPE MAY VARY. CONTRACTOR SHALL VERIFY IN FIELD. DRAWINGS ARE FOR ILLUSTRATIVE PURPOSES ONLY.
  - SUBSURFACE LAYERING IS APPROXIMATE BASED ON INTERPOLATION FROM NEARBY BORINGS AND VISUAL OBSERVATIONS. VERIFY IN FIELD



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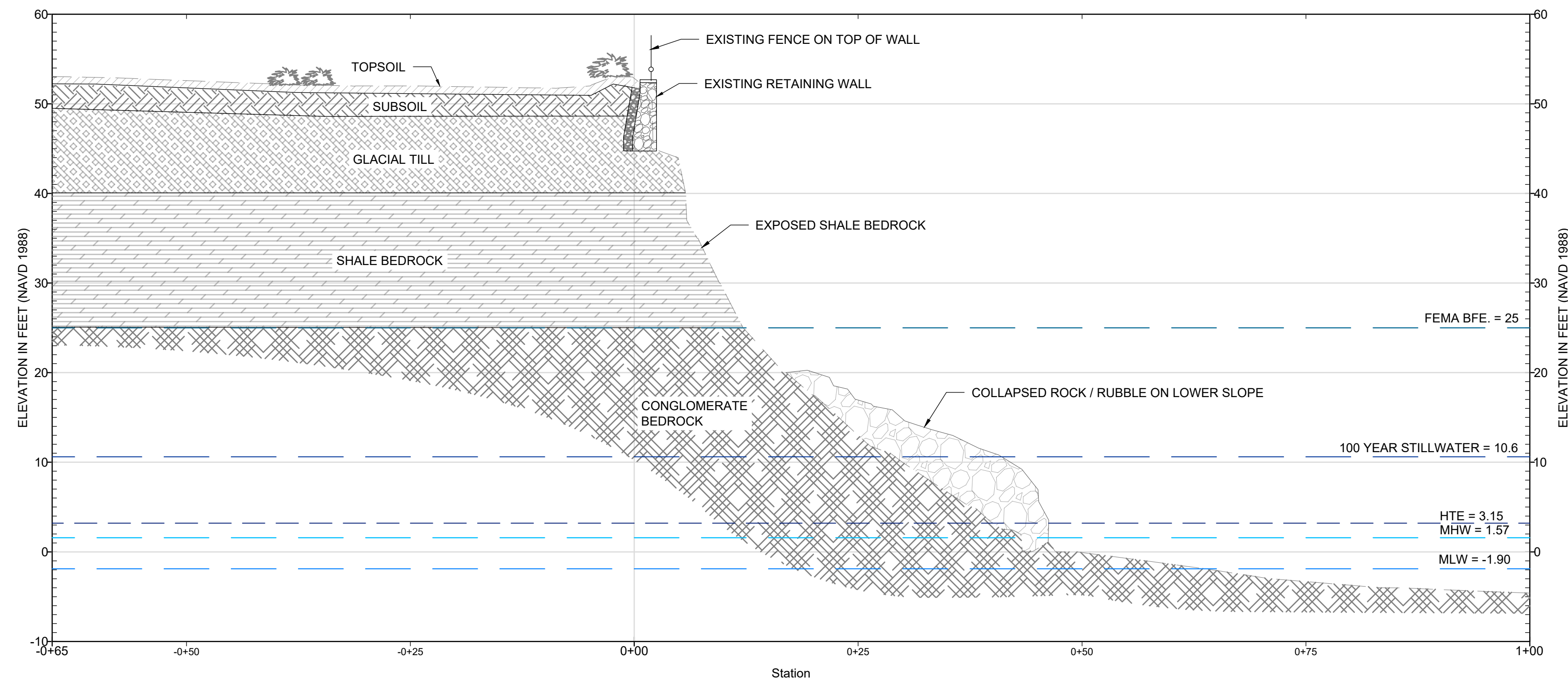
REV.	DESCRIPTION	DATE	BY

PROJECT NO:	33884.01
DATE:	DECEMBER, 2025
PROJECT MGR:	TWS
DESIGNED BY:	SAB
DRAWN BY:	GRB
CHECKED BY:	TWS
REVIEWED BY:	MJP
SCALE:	AS NOTED
REVISION NO.	

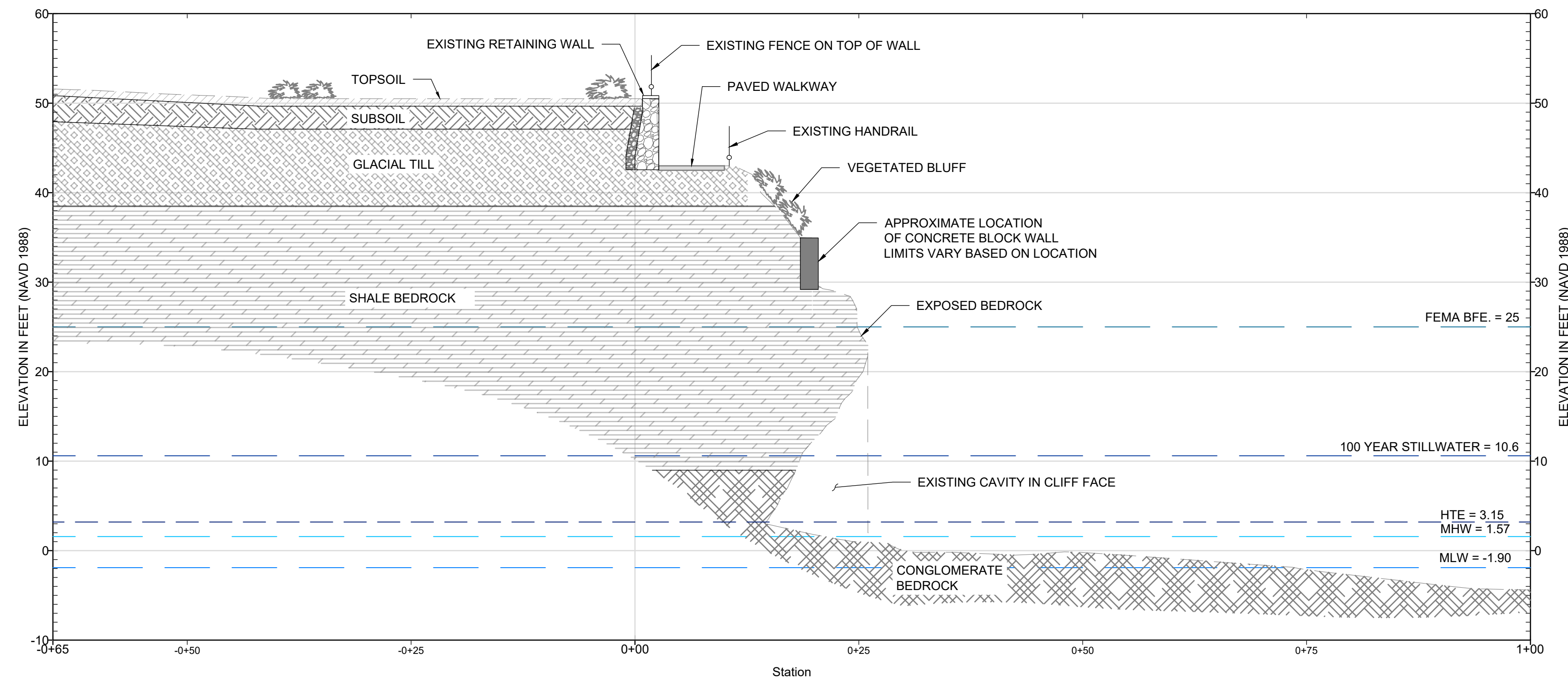
NEWPORT CLIFF WALK REPAIR  
NEWPORT, RHODE ISLAND

EXISTING CONDITIONS SECTIONS  
(SHEET 1 OF 3)

© 2025 - GZA GeoEnvironmental, Inc. GZA-1-GEO\33884.01\TWS\GEO\CURRENT\PLANS\100% DESIGN\12-29-25\5-EXISTING CONDITIONS SECTIONS C-C' AND D-D'.DWG 5-EXISTING CONDITIONS SECTIONS C-C' AND D-D'. November 25, 2025 GARY BASTIEN

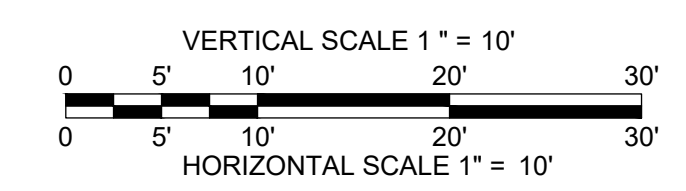


**C** EXISTING SECTION C-C'  
SCALE: 1"=10'

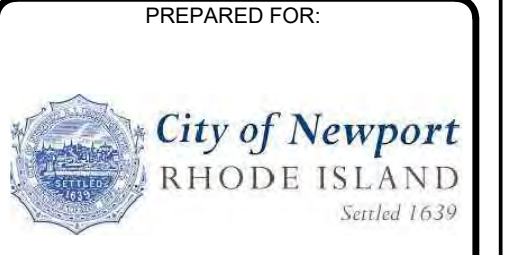


**D** EXISTING SECTION D-D'  
SCALE: 1"=10'

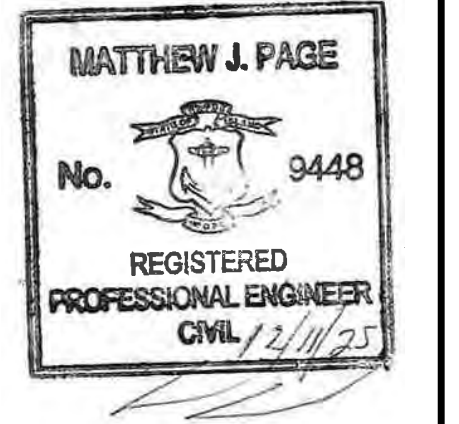
- NOTE:
- LIMITS OF SLOPE MAY VARY. CONTRACTOR SHALL VERIFY IN FIELD. DRAWINGS ARE FOR ILLUSTRATIVE PURPOSES ONLY.
  - SUBSURFACE LAYERING IS APPROXIMATE BASED ON INTERPOLATION FROM NEARBY BORINGS AND VISUAL OBSERVATIONS. VERIFY IN FIELD



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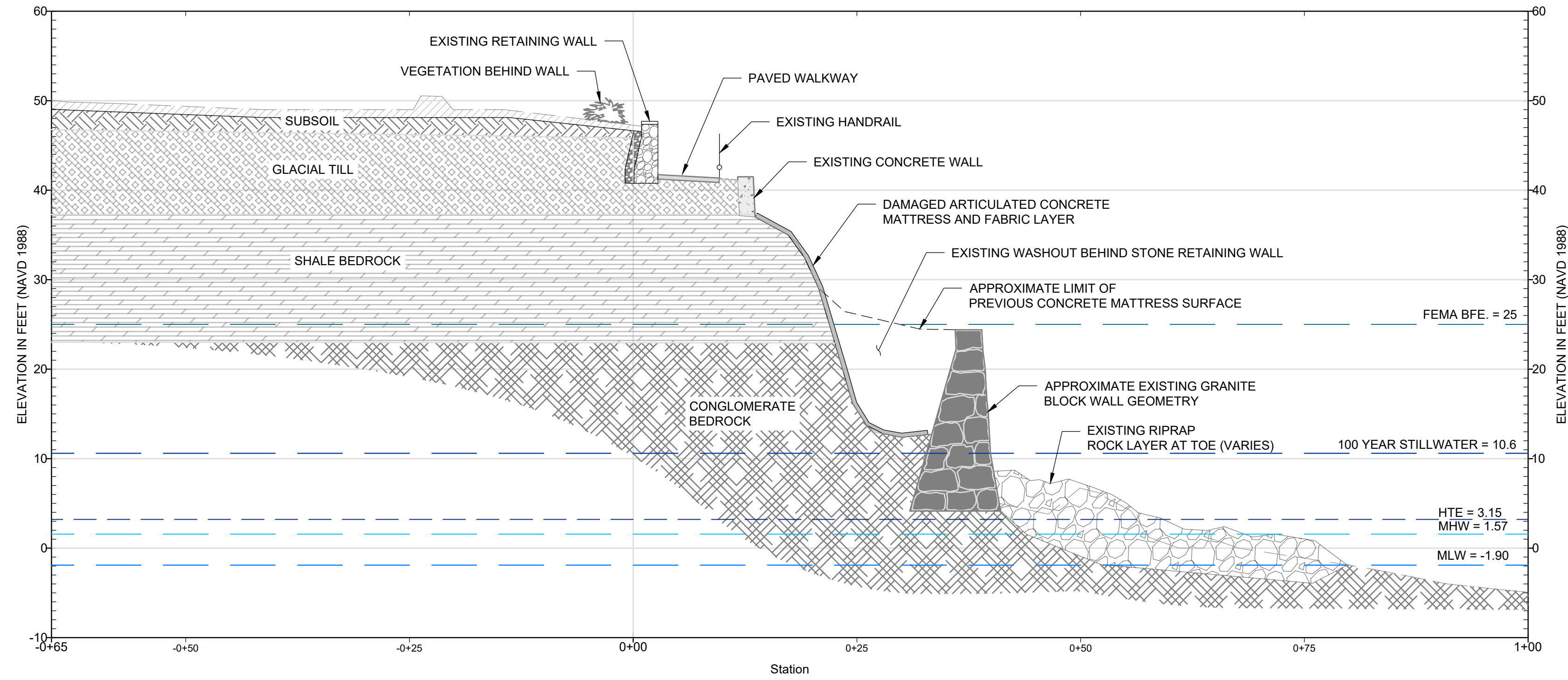


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REV	DESCRIPTION	DATE	BY

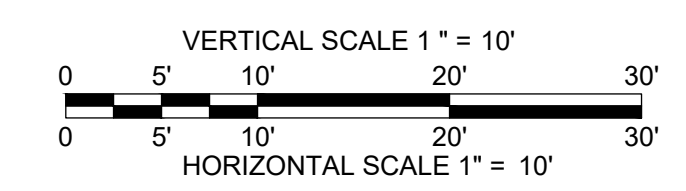
PROJECT NO:	33884.01
DATE:	DECEMBER, 2025
PROJECT MGR:	TWS
DESIGNED BY:	SAB
DRAWN BY:	GRB
CHECKED BY:	TWS
REVIEWED BY:	MJP
SCALE:	AS NOTED
REVISION NO.	

NEWPORT CLIFF WALK REPAIR  
NEWPORT, RHODE ISLAND  
EXISTING CONDITIONS SECTIONS  
(SHEET 2 OF 3)

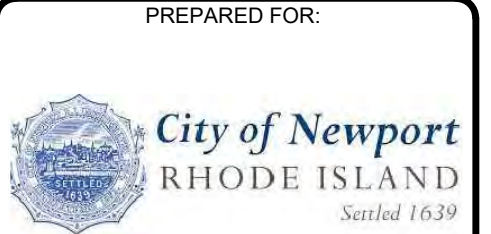


E EXISTING SECTION D-D'  
 SCALE: 1"=10'

- NOTE:**
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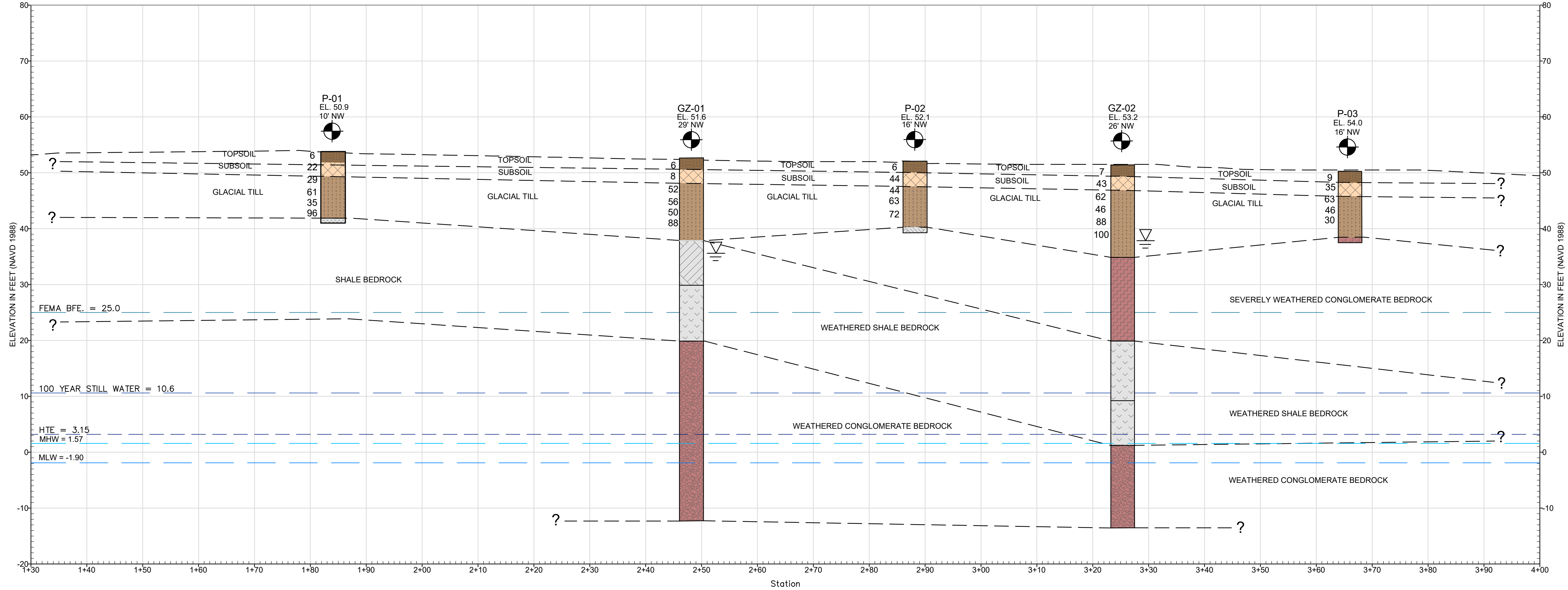
REV.	DESCRIPTION	DATE	BY

PROJECT NO:	33884.01
DATE:	DECEMBER, 2025
PROJECT MGR:	TWS
DESIGNED BY:	SAB
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REVISION NO.	

NEWPORT CLIFF WALK REPAIR  
 NEWPORT, RHODE ISLAND

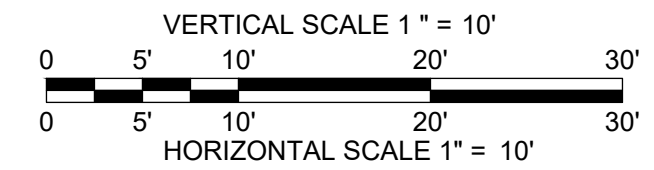
EXISTING CONDITIONS SECTIONS  
 (SHEET 3 OF 3)

SUBSURFACE SOIL PROFILE



LEGEND

- TOPSOIL
- SUBSOIL
- GLACIAL TILL
- SEVERELY WEATHERED SHALE BEDROCK
- WEATHERED SHALE BEDROCK
- SEVERELY WEATHERED CONGLOMERATE BEDROCK
- WEATHERED CONGLOMERATE BEDROCK
- OBSERVED GROUNDWATER ELEVATION



BOREHOLE LEGEND

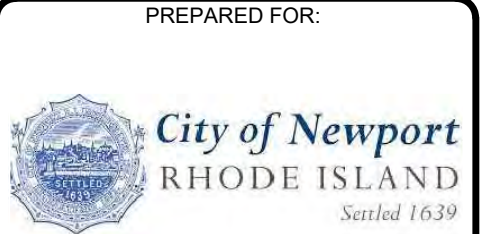
- P-01 (Borehole ID)
- EL. 53 (Borehole Elevation)
- 10' NW (Baseline Offset)
- (Borehole symbol)
- 10 (SPT "N" Value)
- 6 (SPT "N" Value)
- 28 (SPT "N" Value)
- 30 (SPT "N" Value)
- (Observed Groundwater Level)

NOTES

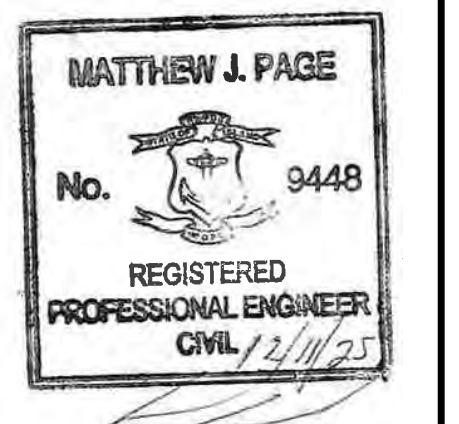
1. STRATIFICATION LINES ARE INTERPOLATIONS BASED ON WIDELY SPACED BORING LOCATIONS AND THUS REPRESENT THE APPROXIMATE BOUNDARIES BETWEEN SOIL TYPES. ACTUAL TRANSITIONS MAY VARY FROM THOSE SHOWN.
2. REFER TO DRAWING C-1 FOR BORING LOCATIONS.



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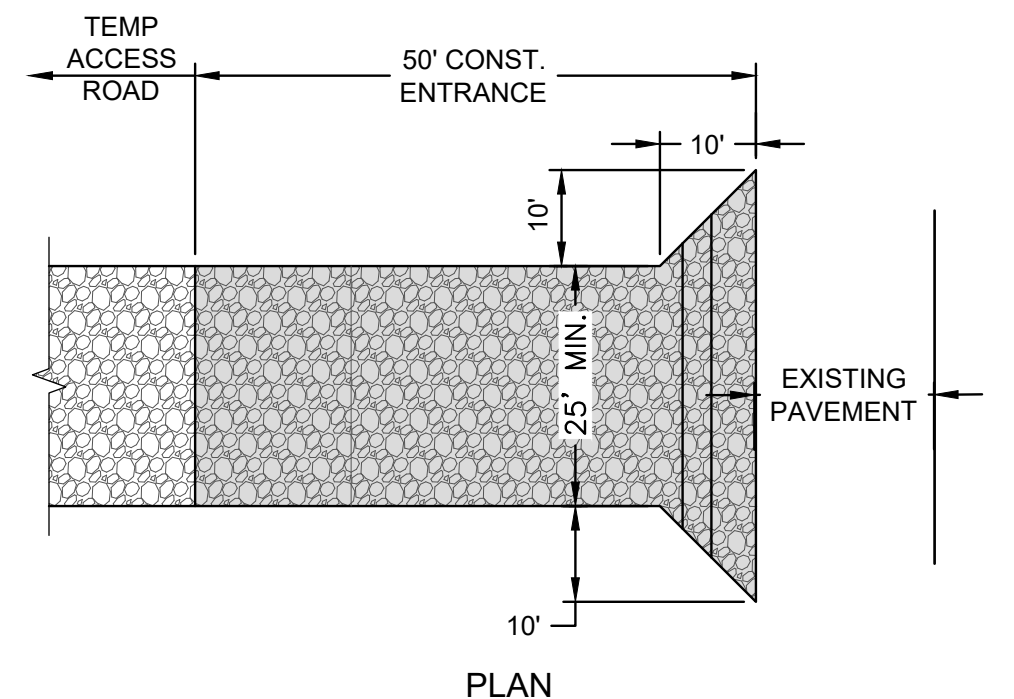
REV	DESCRIPTION	DATE	BY

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PROJECT MGR:	TWS
DESIGNED BY:	SAB
DRAWN BY:	GRB
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REVIEWED BY:	MJP
SCALE:	AS NOTED
REVISION NO.	

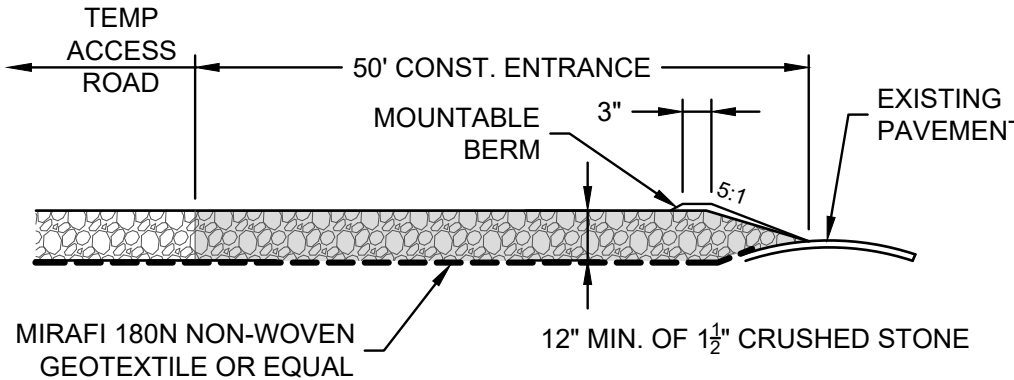
NEWPORT CLIFF WALK REPAIR  
NEWPORT, RHODE ISLAND

SUBSURFACE EXPLORATION PROFILES





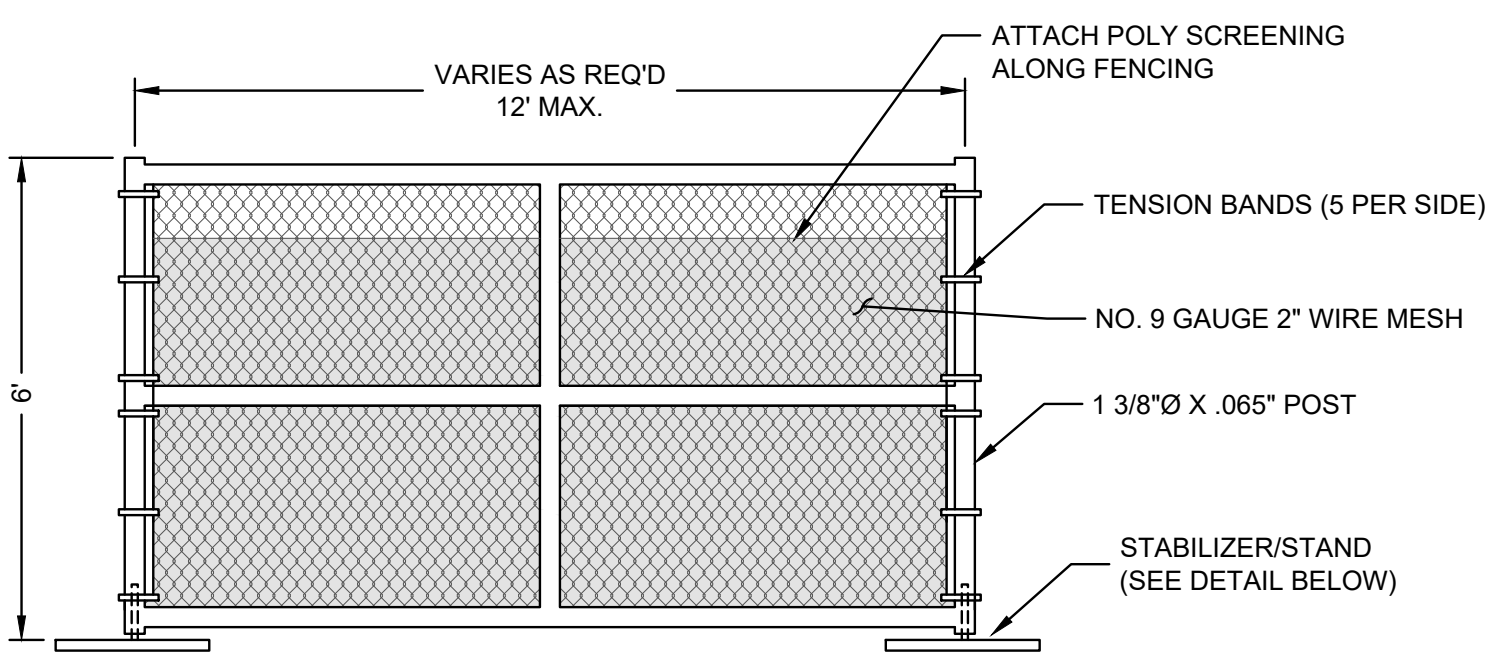
PLAN



SECTION

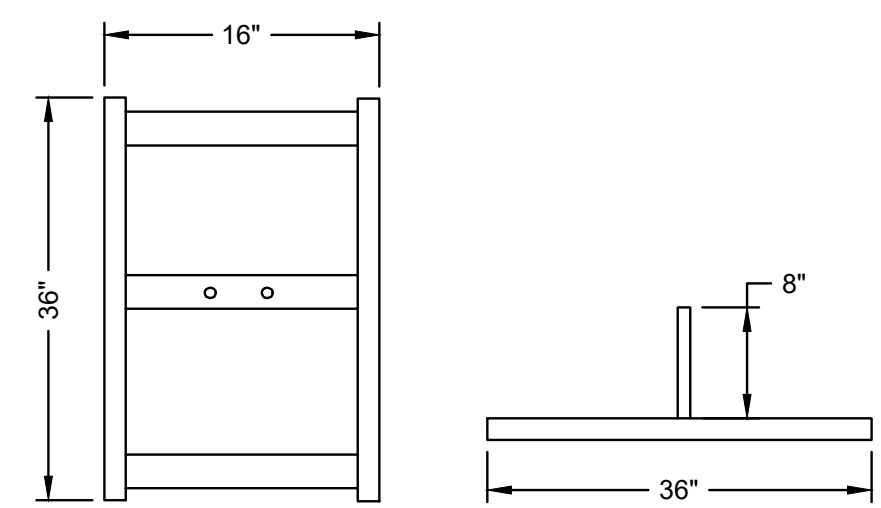
- NOTES:**
- ENTRANCE WIDTH SHALL BE TWENTY-FIVE (25) FEET MINIMUM.
  - THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH SHALL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHTS-OF-WAY. THIS MAY REQUIRE PERIODIC TOP DRESSING AND ADDITIONAL STONE AS CONDITIONS DEMAND AND REPAIR OR CLEANOUT OF ANY MEASURES USED TO TRAP SEDIMENT. ALL SEDIMENT SPILLED, DROPPED, WASHED OR TRACKED ONTO PUBLIC RIGHTS-OF-WAY MUST BE REMOVED IMMEDIATELY.
  - PERIODIC INSPECTION AND NEEDED MAINTENANCE SHALL BE PROVIDED BY CONTRACTOR.

**1** TEMPORARY CONSTRUCTION ENTRANCE / EXIT / WHEEL WASH STATION AND TEMPORARY ACCESS ROAD  
NOT TO SCALE

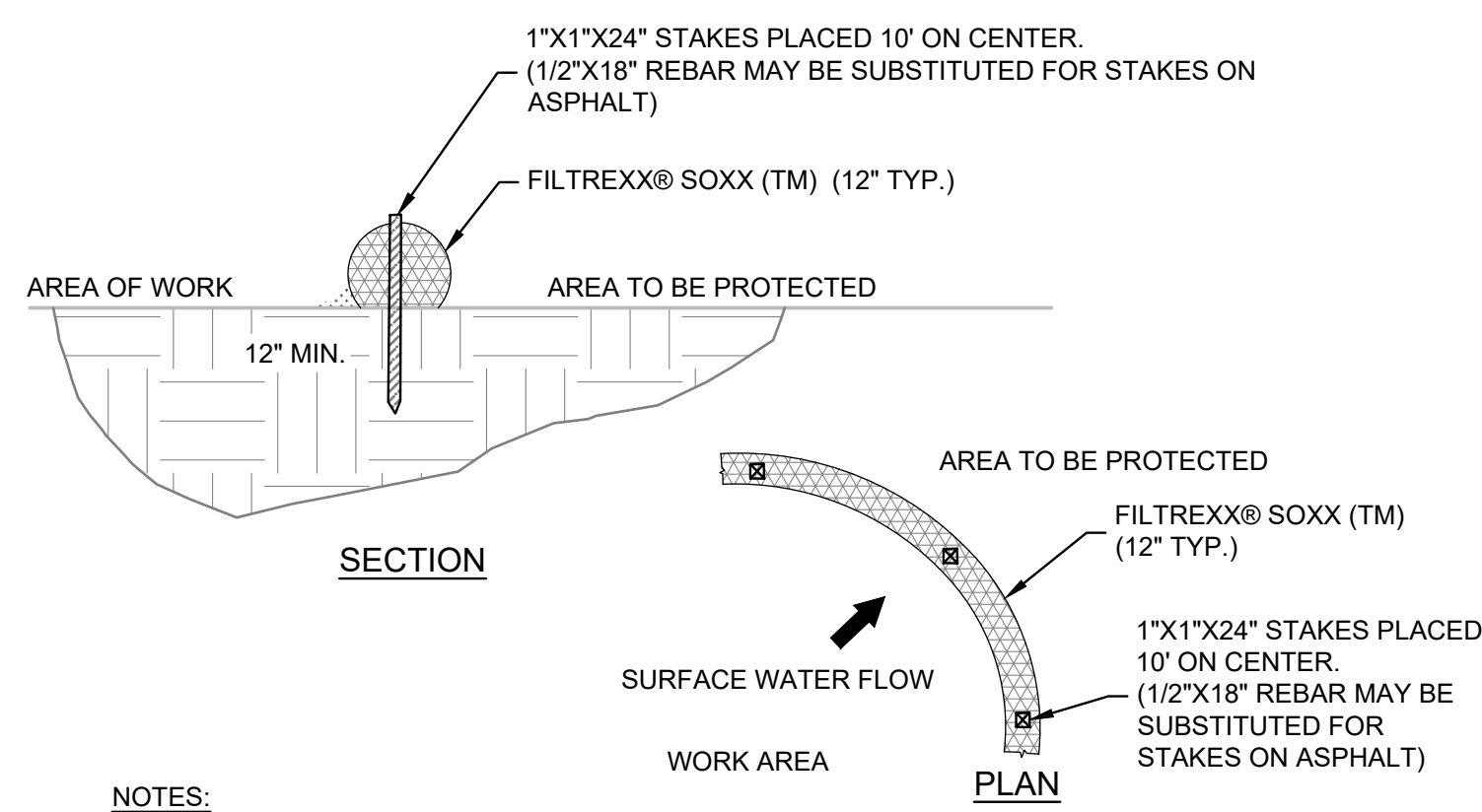


- TEMPORARY CONSTRUCTION FENCING NOTES:**
- FENCES SHALL BE CONSTRUCTED WITH A TOP AND BOTTOM RAIL.
  - GATES MUST REMAIN IN GOOD WORKING ORDER AND MUST BE CLOSED AND SECURED DURING NON-WORKING HOURS.
  - GATES SHALL BE CONSTRUCTED SO THAT THEY SWING IN TOWARDS THE CONSTRUCTION SITE.
  - GATES MUST BE CONSTRUCTED WITH THE SAME DESIGN CHARACTERISTICS AS THE TEMPORARY CONSTRUCTION FENCE.
  - FABRIC SHALL BE ANCHORED IN EACH GROMMET WITH ALUMINUM TIES.

**6** TYPICAL TEMPORARY CONSTRUCTION FENCE PANEL  
NOT TO SCALE

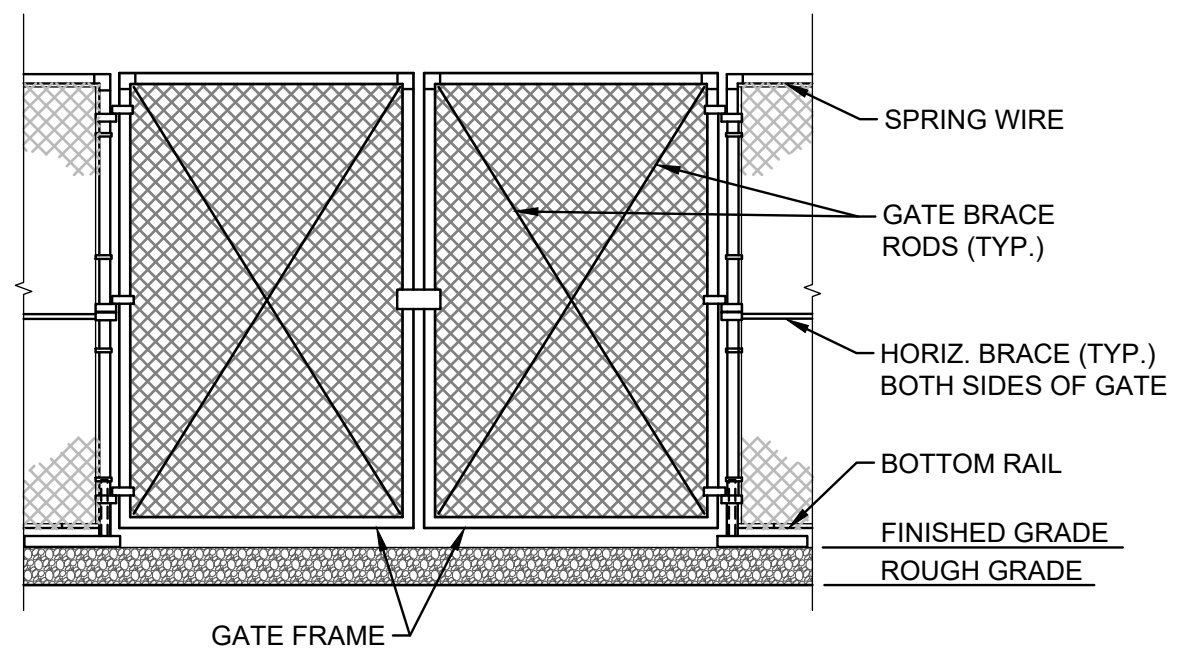


TYPICAL FENCE STABILIZER/STAND  
NOT TO SCALE

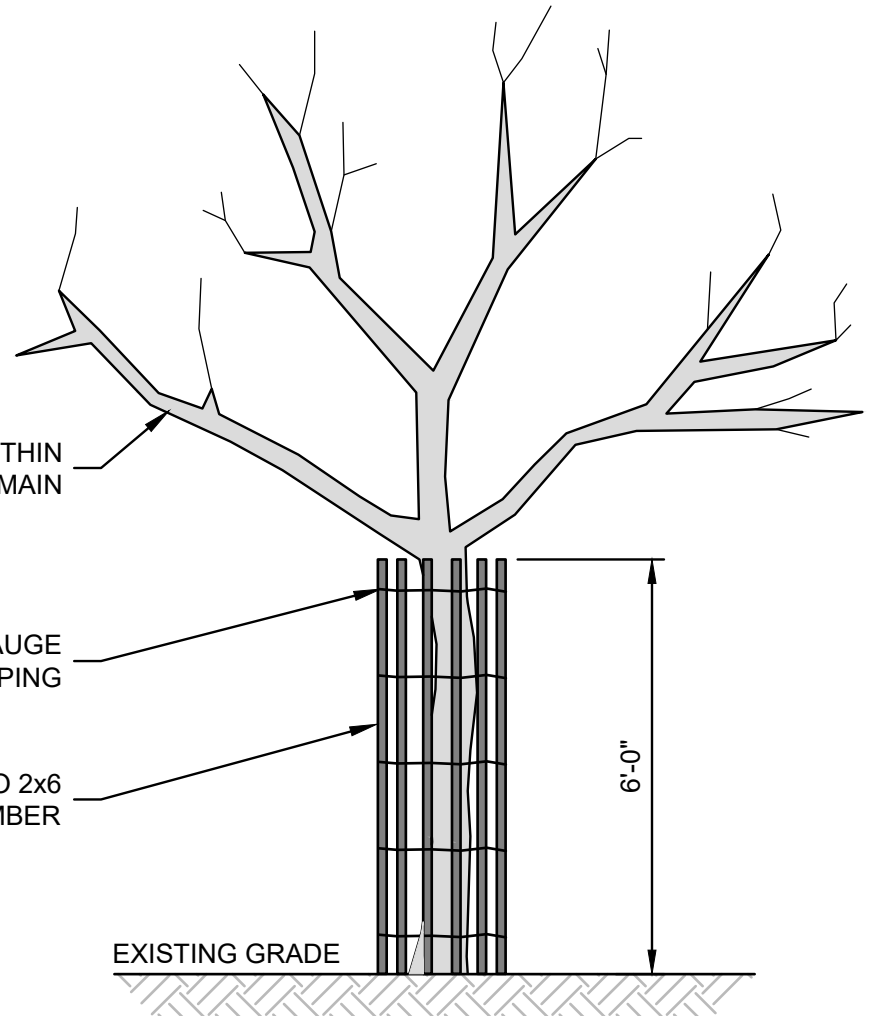


- NOTES:**
- ALL MATERIAL TO MEET FILTREXX® SPECIFICATIONS.
  - STAKES/REBAR PINS SHALL HAVE PROTECTIVE CAPS INSTALLED TO PREVENT FALL INJURY.

**2** FILTREXX® SOXX SEDIMENT CONTROL DETAIL  
NOT TO SCALE

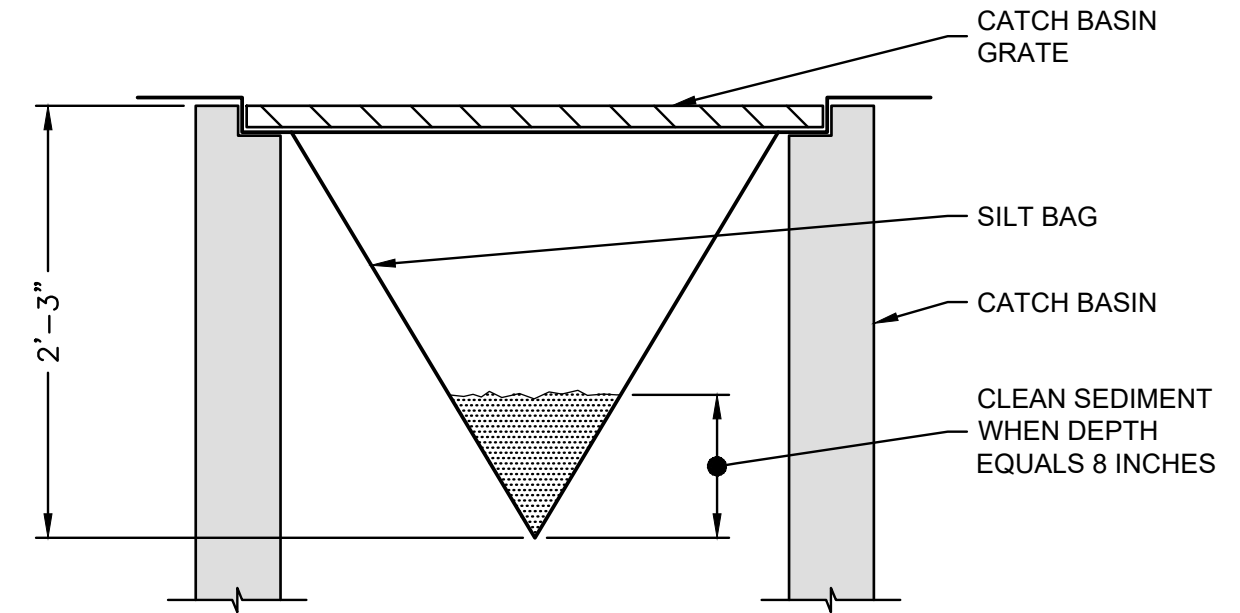


**5** TYPICAL TEMPORARY CONSTRUCTION DOUBLE SWING GATE  
NOT TO SCALE



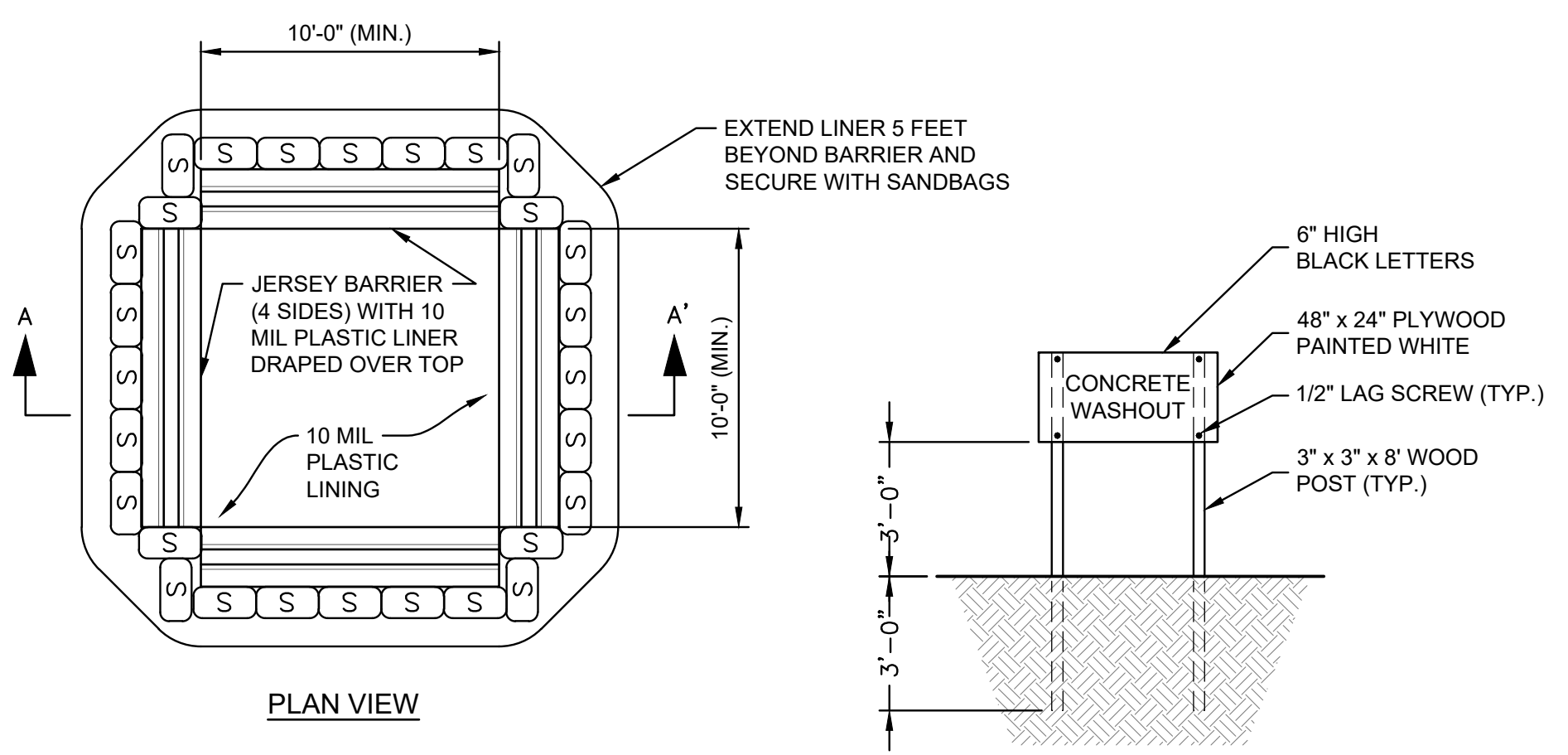
**NOTE:** THIS DETAIL SHALL BE USED TO PROTECT THE TREE'S TRUNK IN SITUATION WHERE CONSTRUCTION IS WITHIN CLOSE PROXIMITY, OR OTHERWISE NOTED HEREIN AS PROTECTED TREE

**7** TREE PROTECTION DEVICE  
NOT TO SCALE

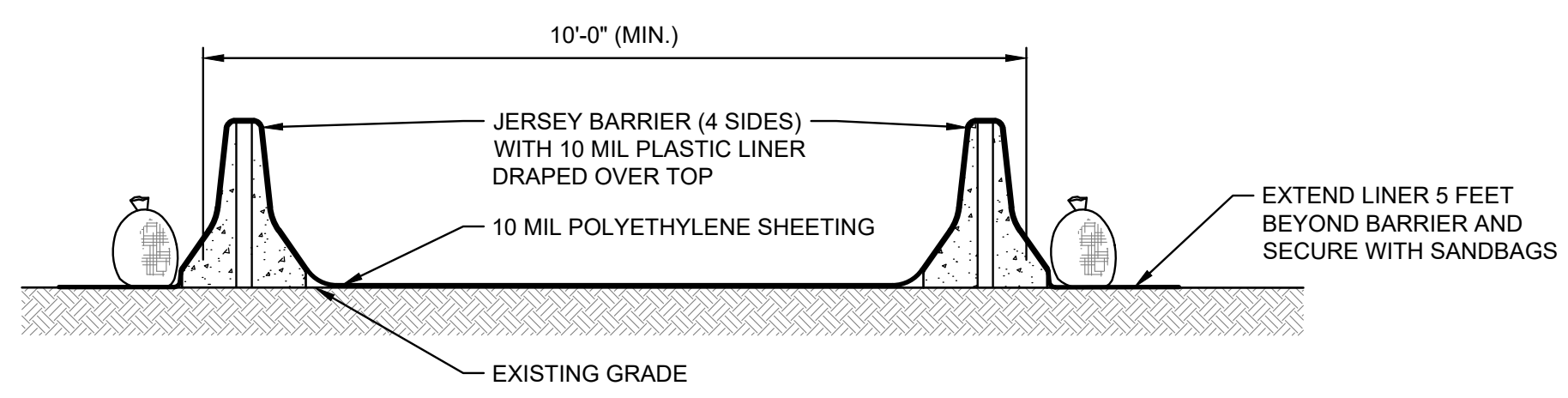


- NOTES:**
- SEDIMENT BAG INLET PROTECTION TO BE SILT SACK MANUFACTURED BY ATLANTIC CONSTRUCTION FABRICS INC. RICHMOND, VA OR APPROVED EQUAL.
  - STORM WATER CATCH BASINS OR DRAINS SHALL BE PROTECTED FROM MATERIALS RUN-OFF. CONTRACTOR SHALL INSTALL SILT SACKS WITHIN EACH CATCH BASIN IN THE VICINITY OF ANY WORK AREAS IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS. CONTRACTOR SHALL USE ALL BMP'S NECESSARY TO PROTECT THESE INLETS FROM SEDIMENT AND DEBRIS.

**3** SILT SACK DETAIL  
NOT TO SCALE



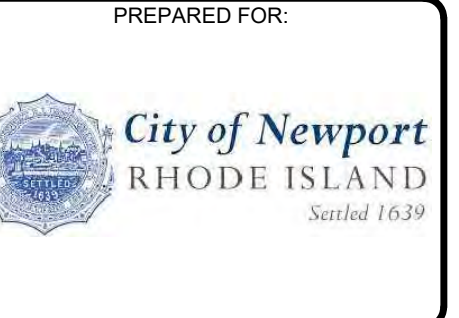
CONCRETE WASHOUT SIGN DETAIL  
(OR EQUIVALENT)



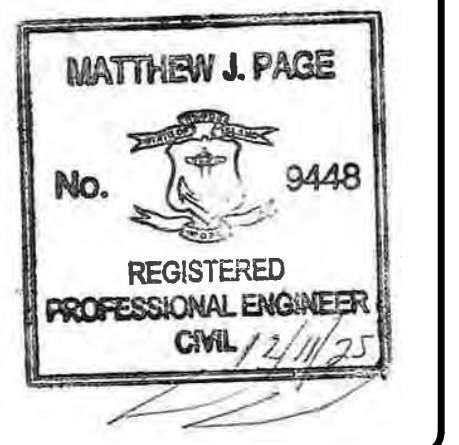
SECTION A-A'  
NOT TO SCALE

- NOTES:**
- SUMPS TO BE CLEANED AND WASTE CONCRETE AND WATER REMOVED AND PROPERLY DISPOSED OF UPON COMPLETION OF WORK.

**8** CONCRETE WASHOUT AREA  
NOT TO SCALE



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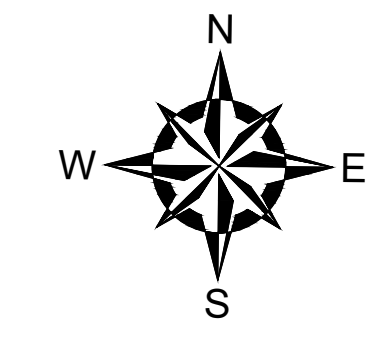
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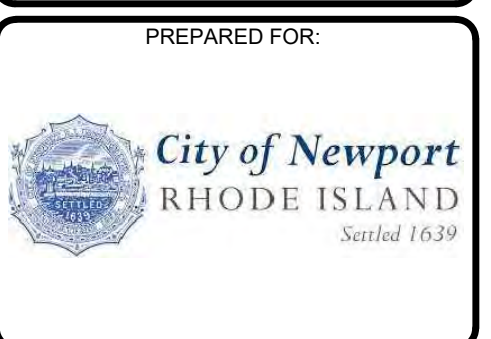
PROJECT NO:	33884.01
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NEWPORT CLIFF WALK REPAIR  
NEWPORT, RHODE ISLAND

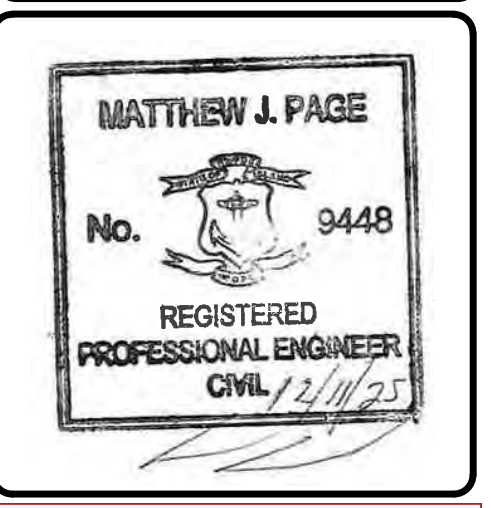
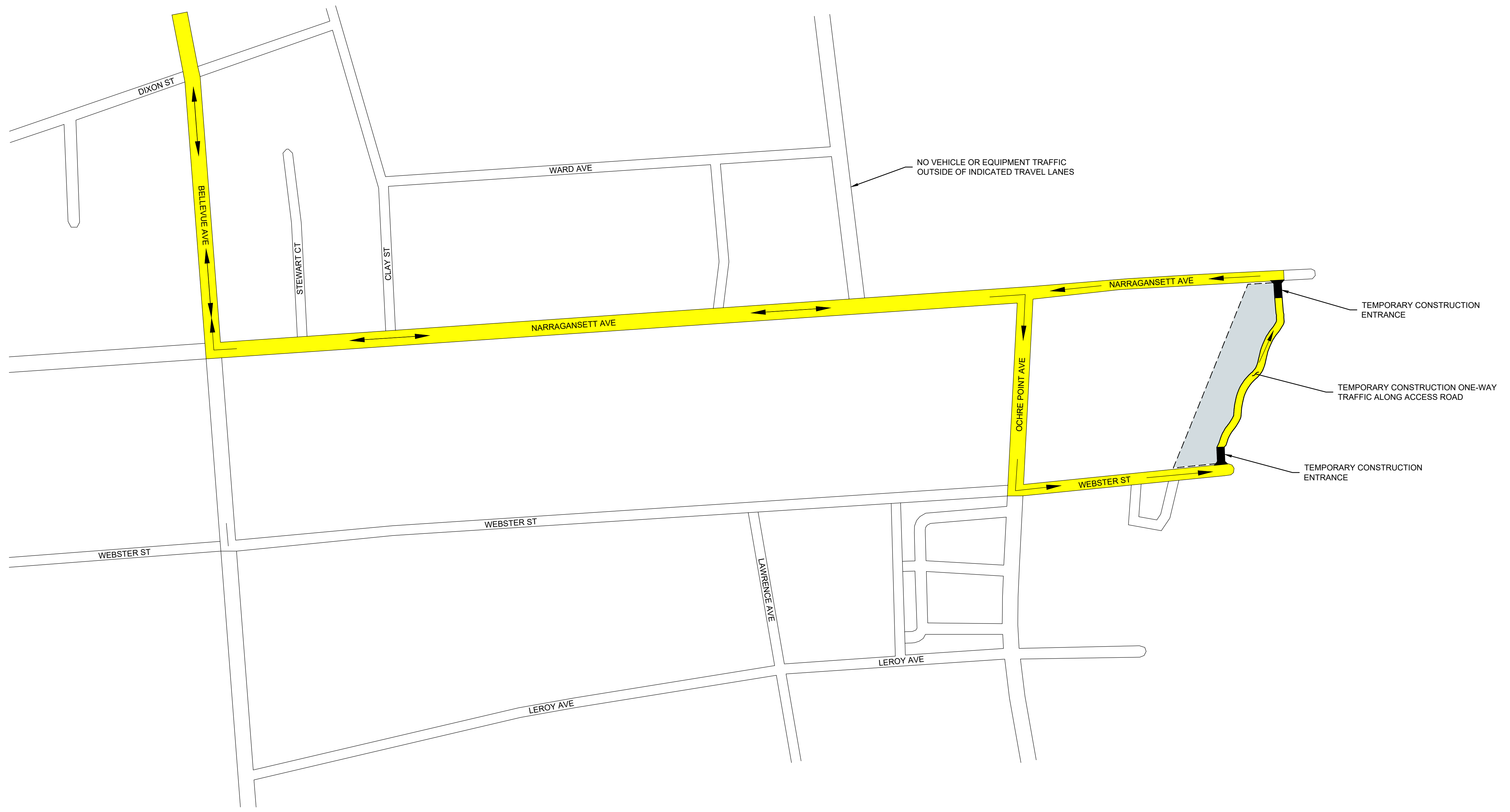
TEMPORARY CONTROLS DETAILS



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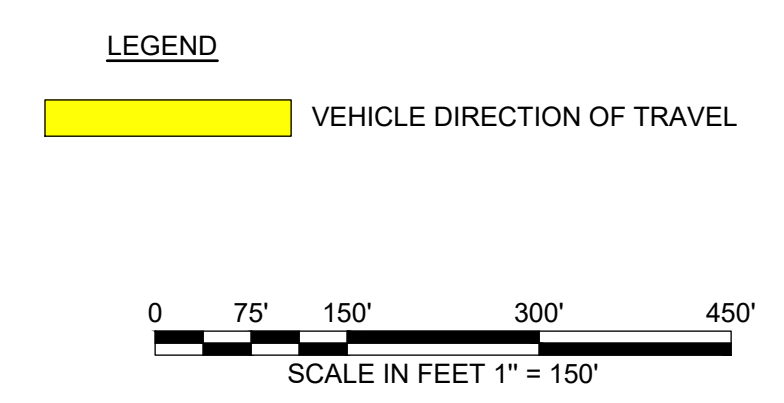
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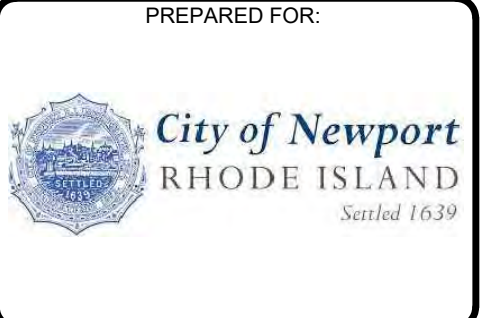
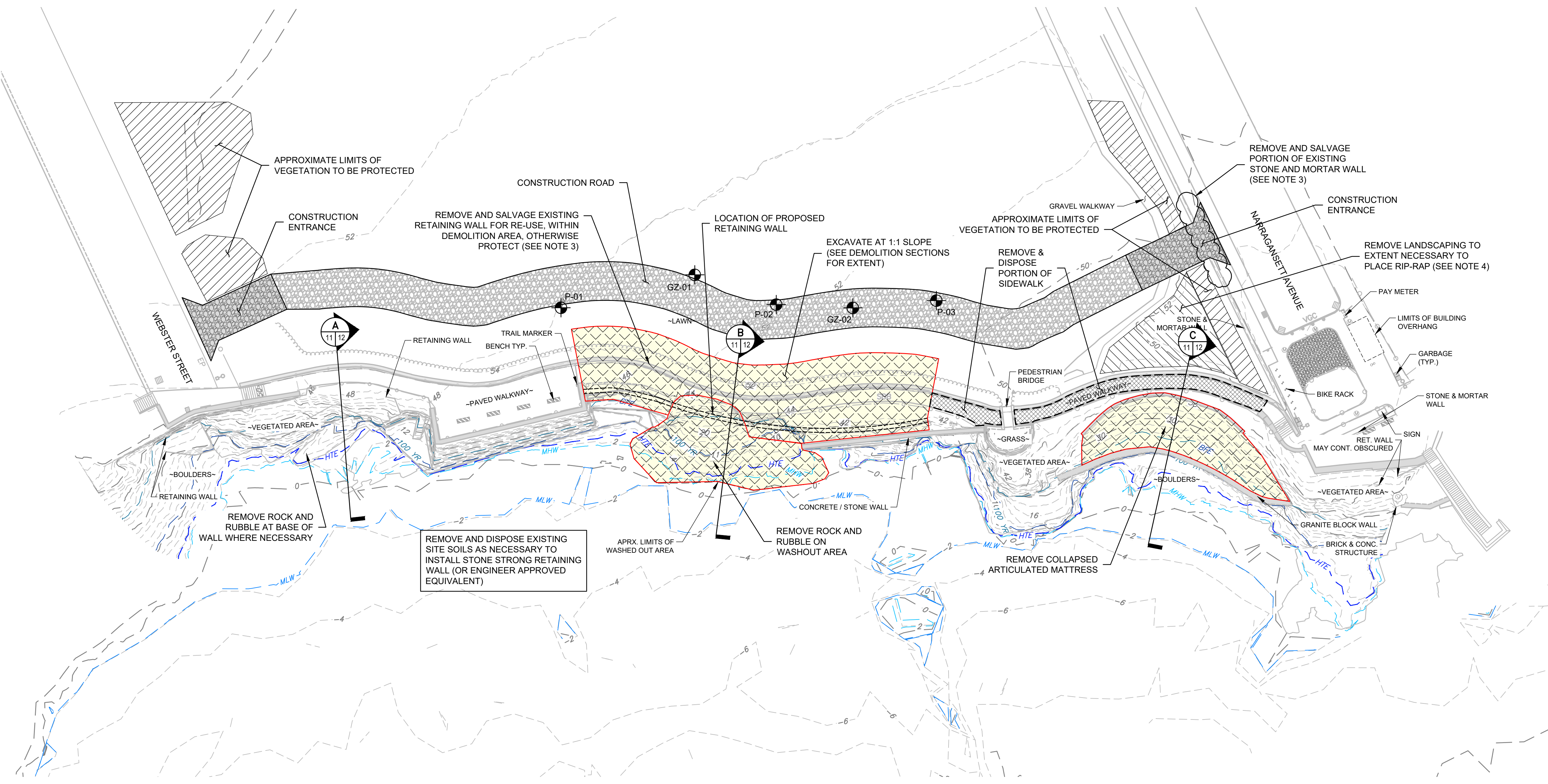
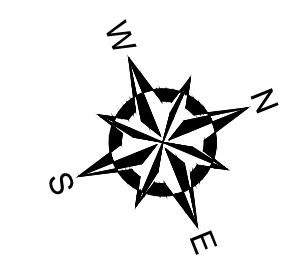
PROJECT NO:	33884.01
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NEWPORT CLIFF WALK REPAIR  
NEWPORT, RHODE ISLAND

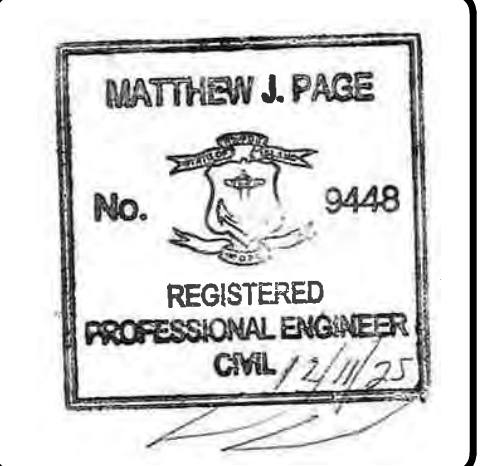
**TRAFFIC CONTROL PLAN**



DRAWING  
**10**  
SHEET NO. 10 OF 21



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REVIEWED BY:	MJP
SCALE:	AS NOTED
REVISION NO.	

**LEGEND:**

INDICATES AREAS OF SLOPE, ROCK AND DEBRIS TO BE REMOVED

**INDEX CONTOUR ELEVATIONS**

DESCRIPTION	ELEVATION	CONTOUR
FEMA BASE FLOOD ELEVATION	25.00	— BFE —
100 YEAR STILL WATER	10.60	— 100 YR —
HIGH TIDE ELEVATION	3.15	— HTE —
MEAN HIGH WATER	1.57	— MHW —
MEAN LOW WATER	-1.90	— MLW —

- NOTES**
- BASE MAP DEVELOPED FROM AERIAL PHOTOGRAMMETRY DATA AND ELECTRONIC DRAWING FILE "7318A 2022-06-02" PREPARED BY DOUCET LAND SURVEYORS AND PROVIDED TO GZA.
  - ALL ELEVATIONS REFERENCE NORTH AMERICAN VERTICAL DATUM 1988 (NAVD88).
  - CONTRACTOR SHALL INVENTORY ALL WALL SYSTEMS PRIOR TO DEMOLITION. INVENTORY SHALL CONSIST OF DOCUMENTING WELL HEIGHT, WIDTH AND LENGTH USING FIELD NOTES AND PHOTOGRAPHS. CONTRACTOR SHALL STOCKPILE ALL STONE ASSOCIATED WITH EXISTING RETAINING WALL FOR REUSE. SEPARATE STOCKPILES OF EACH WELL SYSTEM SHALL BE MAINTAINED.
  - CONTRACTOR SHALL INVENTORY ALL SHRUBS, BUSHES, PLANTINGS, AND TREES PRIOR TO REMOVAL. INVENTORY SHALL CONSIST OF SPECIES TYPE, QUANTITY, AND PHOTO DOCUMENTATION.



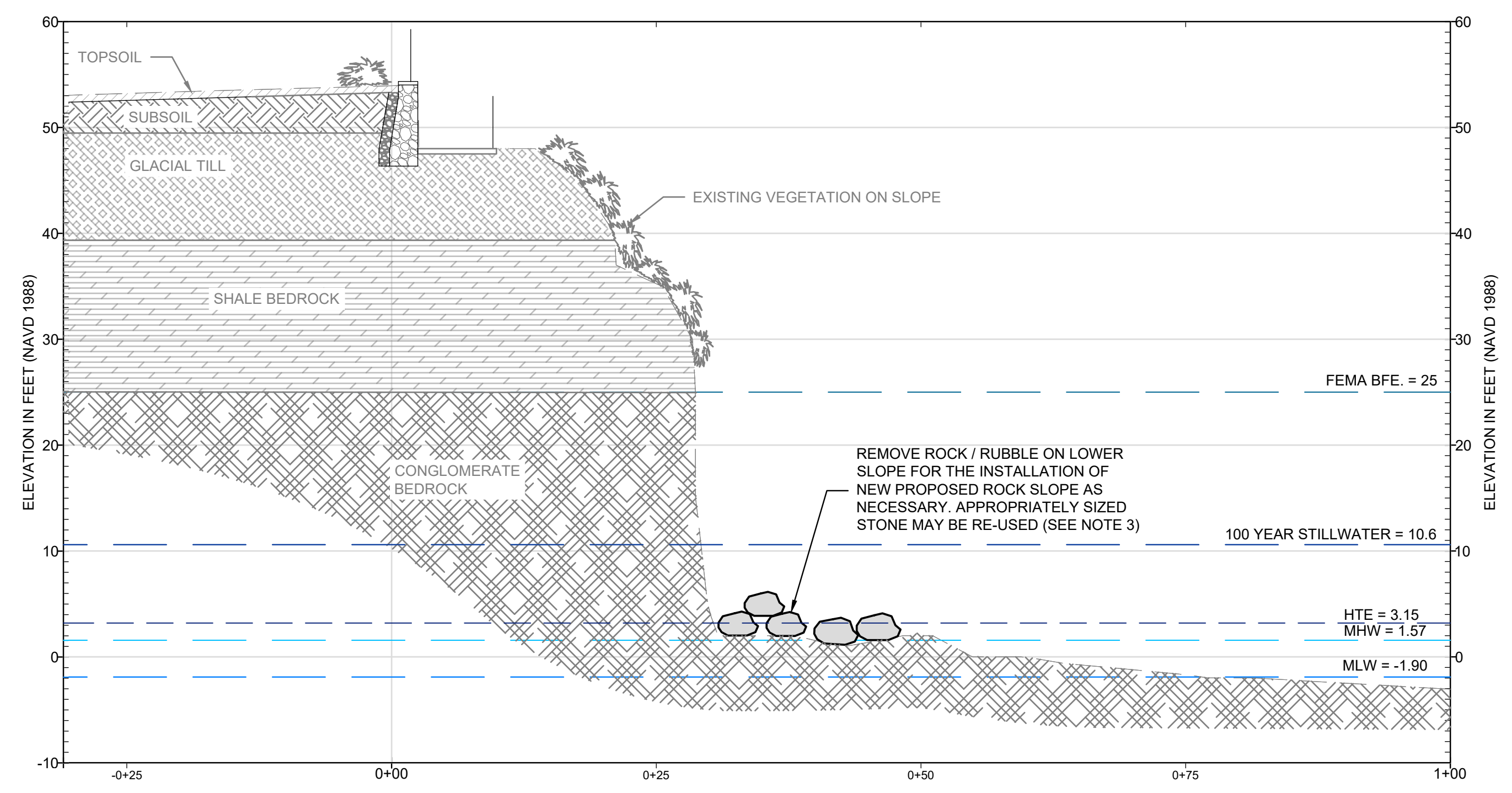
© 2025 - GZA GeoEnvironmental, Inc. GZA--I:\GEO\33884.01\TWS\CAD\CURRENT\PLANS\100% DESIGN\12-25\11\_DEMOLITION PLANDWG 11 DEMO PLAN September 24, 2025 GARY BASTEN

NEWPORT CLIFF WALK REPAIR  
NEWPORT, RHODE ISLAND

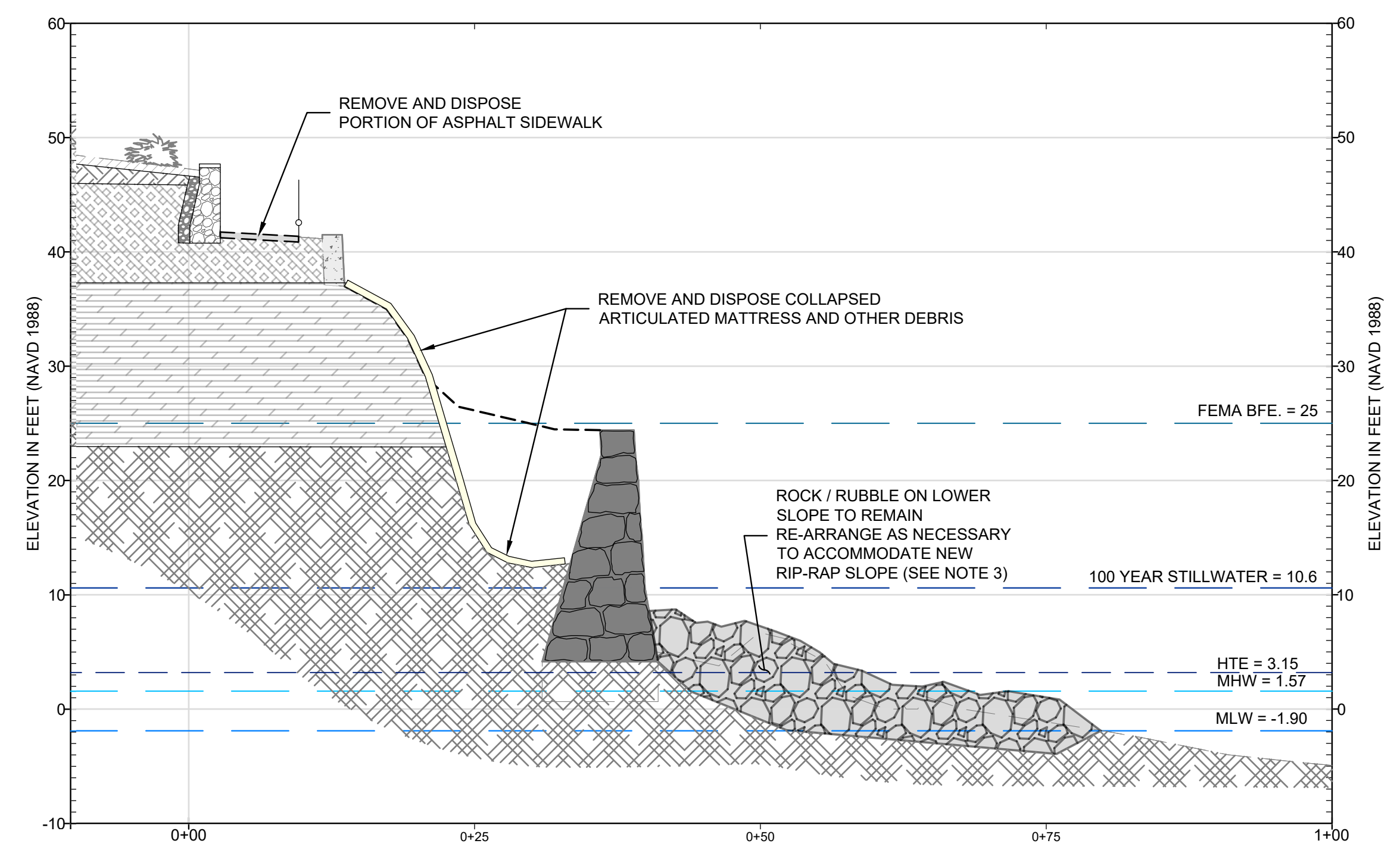
**DEMOLITION PLAN**

DRAWING  
**11**  
SHEET NO. 11 OF 21

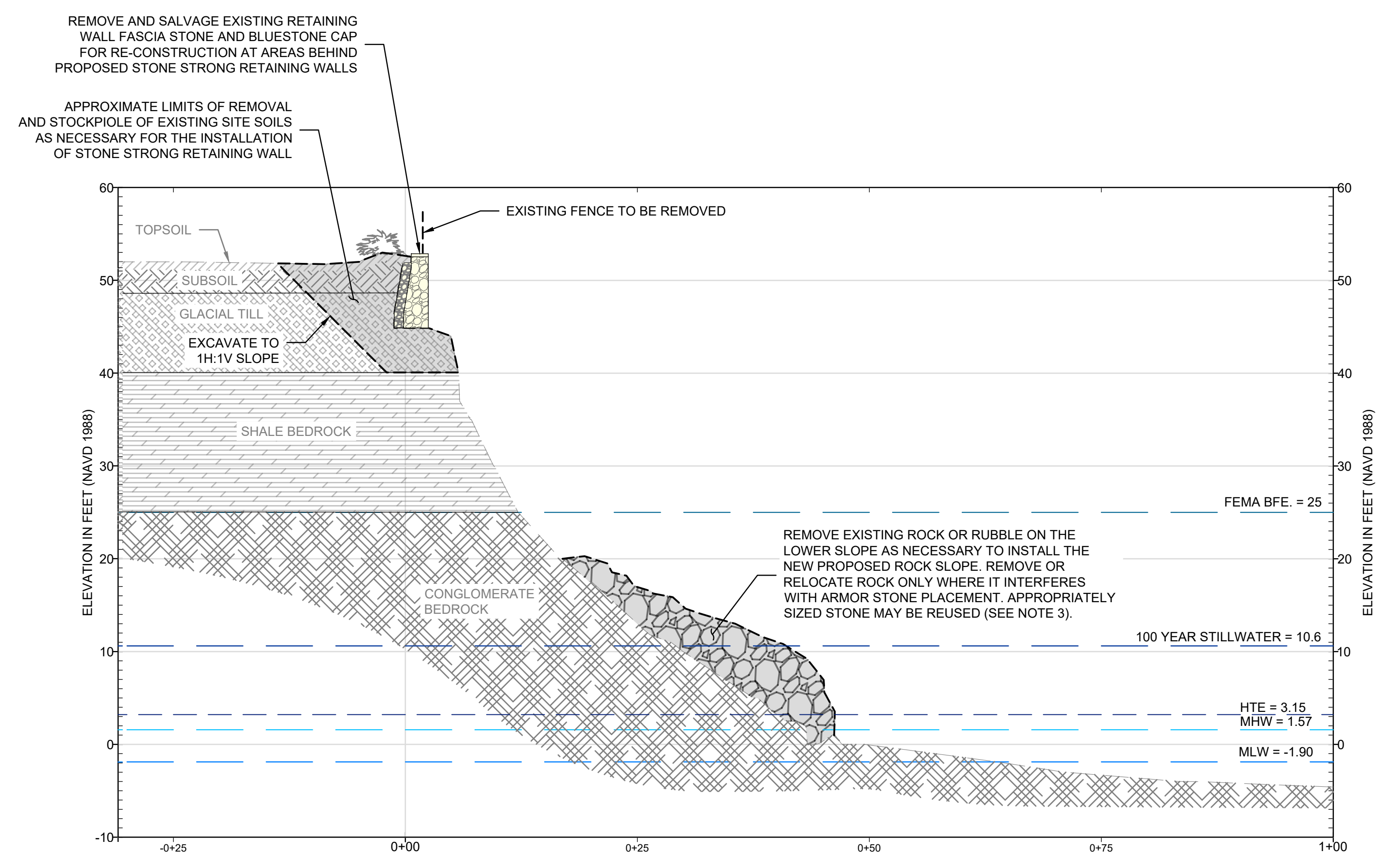
© 2025 - GZA GeoEnvironmental, Inc. GZA--(1)GEO\_33884.01.TWS\GEO\CURRENT\PLANS\100% DESIGN\12-25\12\_DEMOLITION\_SECTIONS.DWG 12 DEMO SECTIONS A-A' AND B-B' September 24, 2025 GARY BASTIEN



**A** DEMOLITION SECTION A-A'  
SCALE: 1"=10'

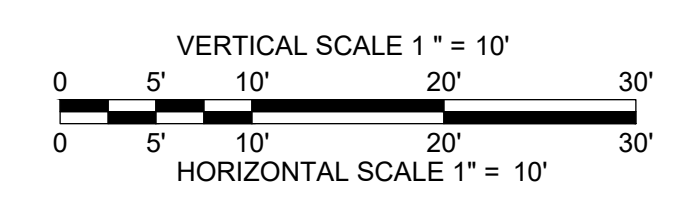


**C** DEMOLITION SECTION E-E'  
SCALE: 1"=10'

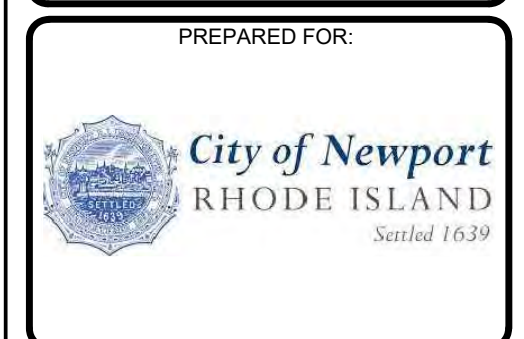


**B** DEMOLITION SECTION C-C'  
SCALE: 1"=10'

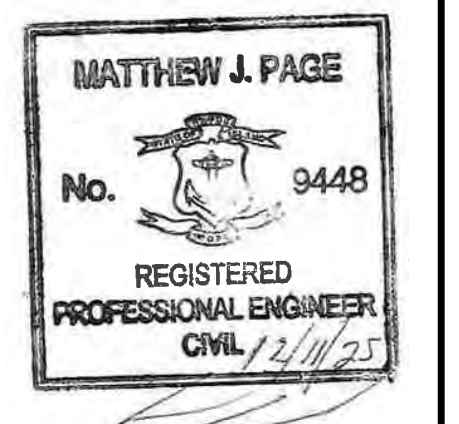
- NOTE:**
- LIMITS OF SLOPE MAY VARY. CONTRACTOR SHALL VERIFY IN FIELD. DRAWINGS ARE FOR ILLUSTRATIVE PURPOSES ONLY.
  - SALVAGE EXISTING RETAINING WALL STONE FOR FUTURE RECONSTRUCTION TO MATCH ADJACENT WALL SYSTEM.
  - ROCK RUBBLE MAY BE RE-USED AS RIP-RAP PROVIDED SIZE IS ADEQUATE. CONTRACTOR SHALL IN NO WAY REMOVE MATERIAL THAT MAY LEAD TO DESTABILIZATION OF EXISTING SLOPE.



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NOT FOR CONSTRUCTION**

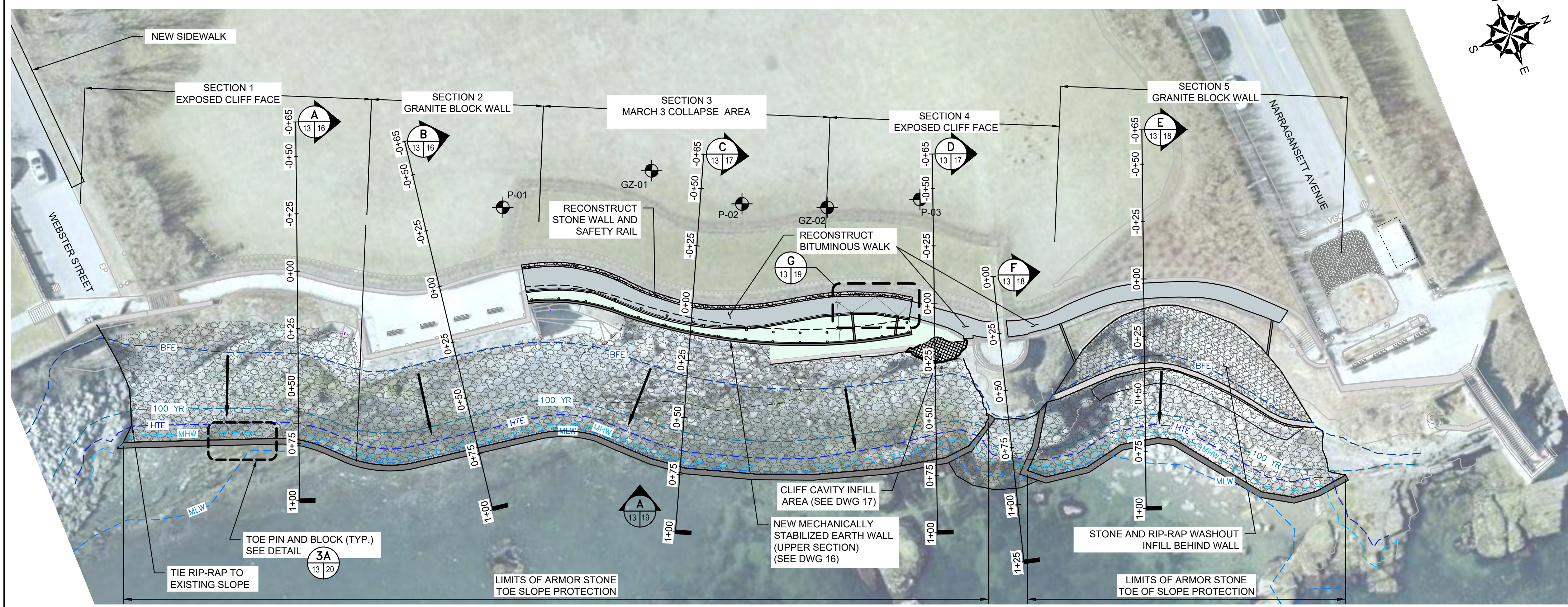
REV	DESCRIPTION	DATE	BY

PROJECT NO:	33884.01
DATE:	DECEMBER, 2025
PROJECT MGR:	TWS
DESIGNED BY:	SAB
DRAWN BY:	GRB
CHECKED BY:	TWS
REVIEWED BY:	MJP
SCALE:	AS NOTED
REVISION NO.	

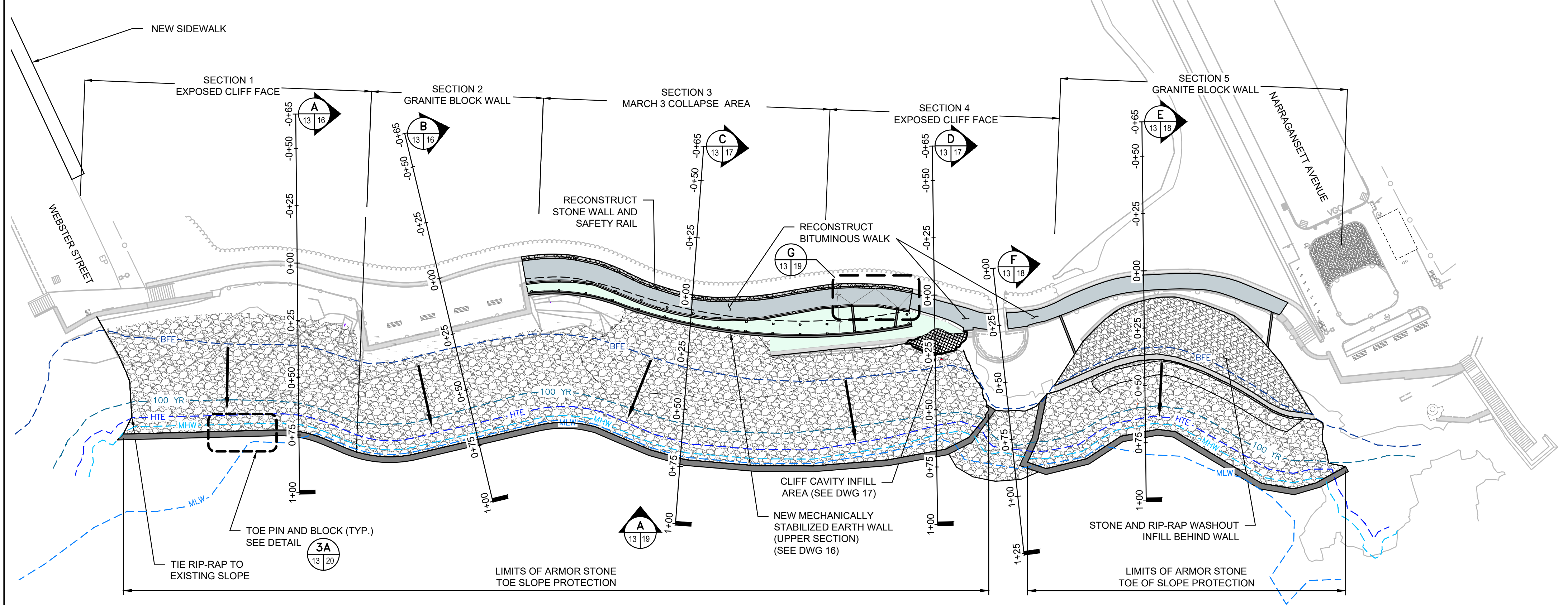
NEWPORT CLIFF WALK REPAIR  
NEWPORT, RHODE ISLAND

**DEMOLITION SECTIONS**

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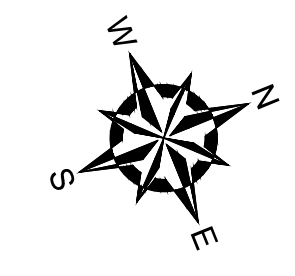


AERIAL SITE PLAN



PROPOSED IMPROVEMENTS

NOTES  
ALL PROPOSED ARMOR STONE PROTECTION SLOPES TO BE (1.5H:1V) - SEE PROPOSED SECTIONS



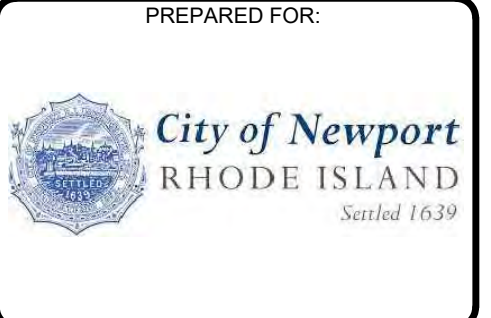
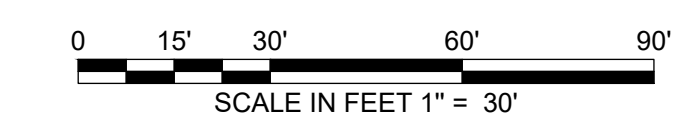
NOTES

- BASE MAP DEVELOPED FROM AERIAL PHOTOGRAMMETRY DATA AND ELECTRONIC DRAWING FILE "7318A 2022-06-02" PREPARED BY DOUCET LAND SURVEYORS AND PROVIDED TO GZA.
- ALL ELEVATIONS REFERENCE NORTH AMERICAN VERTICAL DATUM 1988 (NAVD88).

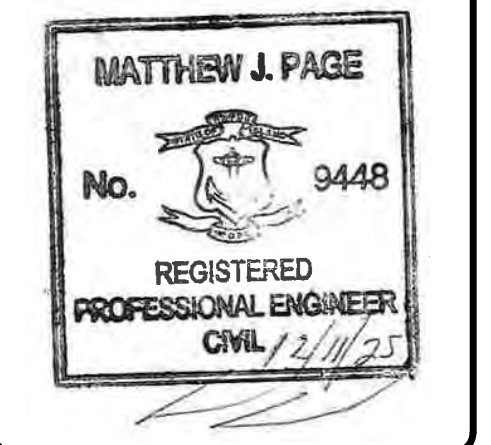
LEGEND

- INDICATES BORINGS/PROBES PERFORMED BY NEW ENGLAND BORING AND OBSERVED BY GZA PERSONNEL.
- RETAINING WALL
- CHAIN LINK FENCE
- HANDRAIL
- SHRUB LINE
- MAJOR CONTOUR 10 FOOT INTERVAL
- MINOR CONTOUR 2 FOOT INTERVAL
- SLOPE DOWN DIRECTION
- LIMIT OF WORK
- PROPOSED SAFETY FENCE
- PROPOSED PAVED WALK
- CAST IN PLACE STEPPED WALL
- RIP-RAP TOE OF WALL PROTECTION
- GROUT BAG TOE PROTECTION

DESCRIPTION	ELEVATION	CONTOUR
FEMA BASE FLOOD ELEVATION	25.00	BFE
100 YEAR STILL WATER	10.60	100 YR
HIGH TIDE ELEVATION	3.15	HTE
MEAN HIGH WATER	1.57	MHW
MEAN LOW WATER	-1.90	MLW



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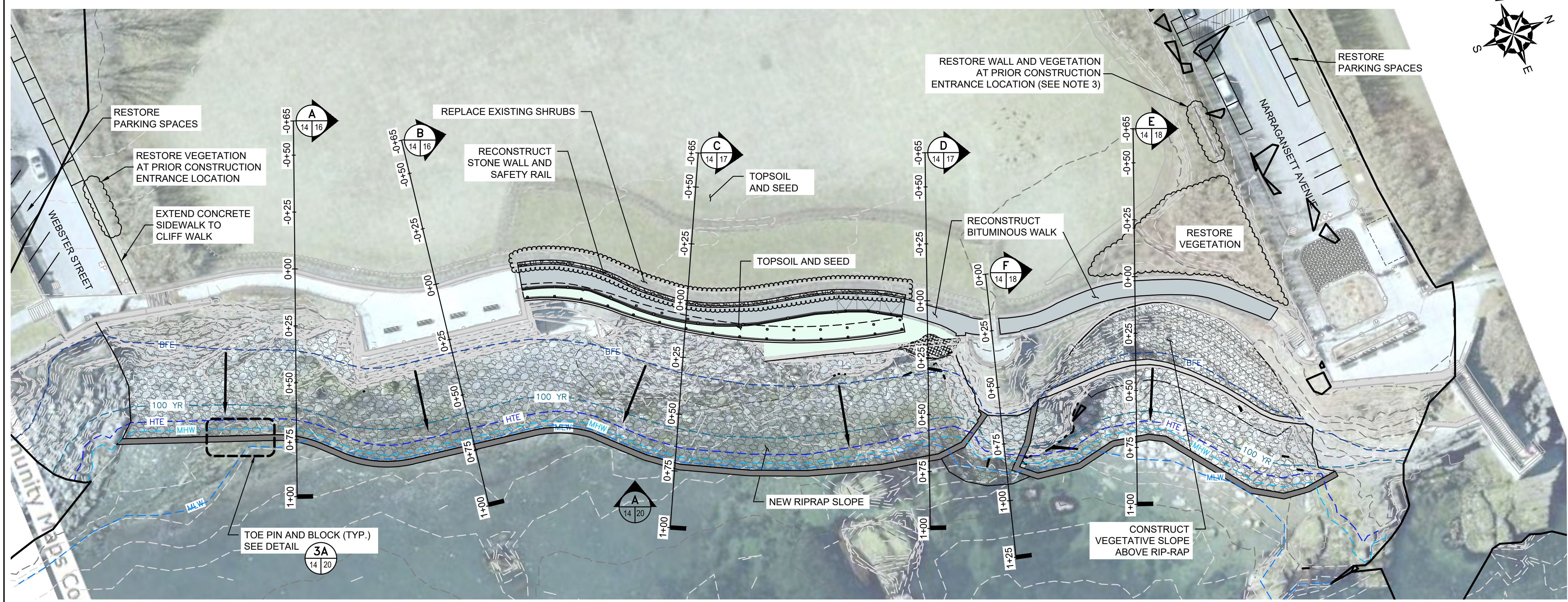
REV	DESCRIPTION	DATE	BY

PROJECT NO:	33884.01
DATE:	DECEMBER, 2025
PROJECT MGR:	TWS
DESIGNED BY:	SAB
DRAWN BY:	GRB
CHECKED BY:	TWS
REVIEWED BY:	MJP
SCALE:	AS NOTED
REVISION NO.	

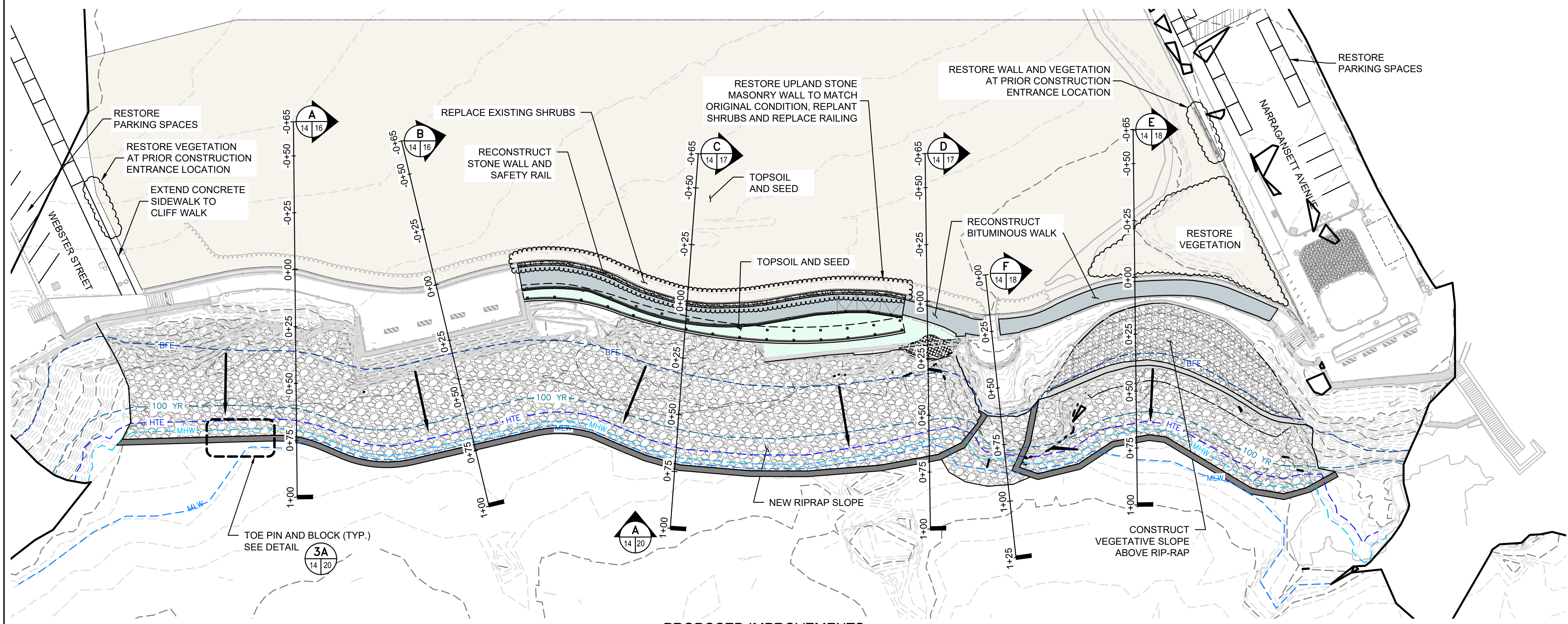
NEWPORT CLIFF WALK REPAIR  
NEWPORT, RHODE ISLAND

**PROPOSED CONDITIONS PLAN**

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AERIAL SITE PLAN



PROPOSED IMPROVEMENTS

NOTES  
ALL PROPOSED ARMOR STONE PROTECTION SLOPES TO BE (1.5H:1V) - SEE PROPOSED SECTIONS

NOTES

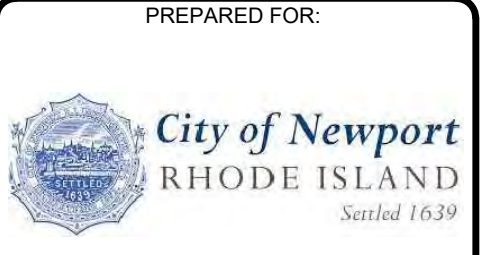
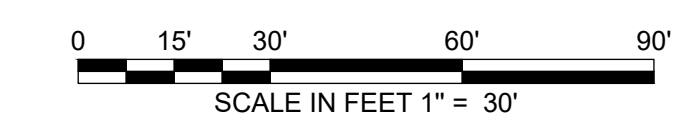
1. BASE MAP DEVELOPED FROM AERIAL PHOTOGRAMMETRY DATA AND ELECTRONIC DRAWING FILE "7318A 2022-06-02" PREPARED BY DOUCET LAND SURVEYORS AND PROVIDED TO GZA.
2. ALL ELEVATIONS REFERENCE NORTH AMERICAN VERTICAL DATUM 1988(NAVD88).
3. AS OUTLINED IN CONTRACT DOCUMENTS WELL SYSTEMS AND VEGETATION SHALL BE RESTORED TO PREVIOUS CONDITIONS. CONTRACTOR SHALL RELY UPON QUALIFIED CONSULTANTS / SUB-CONTRACTORS AND INFORMATION GATHERED THROUGH PRE-CONSTRUCTION SURVEYS / INVENTORIES TO MATCH PREVIOUS CONDITIONS.
4. INSTALL REVETMENT STONES WITHIN SECTION F FOLLOWING PLACEMENT OF REVETMENT ALONG ALL OTHER PORTIONS OF CLIFF WALK OR OTHER.

LEGEND

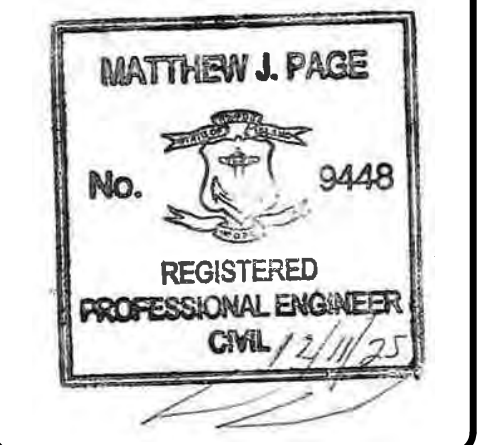
- INDICATES BORINGS/PROBES PERFORMED BY NEW ENGLAND BORING AND OBSERVED BY GZA PERSONNEL.
- RETAINING WALL
- CHAIN LINK FENCE
- HANDRAIL
- SHRUB LINE
- MAJOR CONTOUR 10 FOOT INTERVAL
- MINOR CONTOUR 2 FOOT INTERVAL
- SLOPE DOWN DIRECTION
- LIMIT OF WORK
- PROPOSED SAFETY FENCE
- PROPOSED PAVED WALK
- CAST IN PLACE STEPPED WALL
- RIP-RAP TOE OF WALL PROTECTION
- GROUT BAG TOE PROTECTION
- TOPSOIL AND SEED

INDEX CONTOUR ELEVATIONS

DESCRIPTION	ELEVATION	CONTOUR
FEMA BASE FLOOD ELEVATION	25.00	---BFE---
100 YEAR STILL WATER	10.60	---100 YR---
HIGH TIDE ELEVATION	3.15	---HTE---
MEAN HIGH WATER	1.57	---MHW---
MEAN LOW WATER	-1.90	---MLW---



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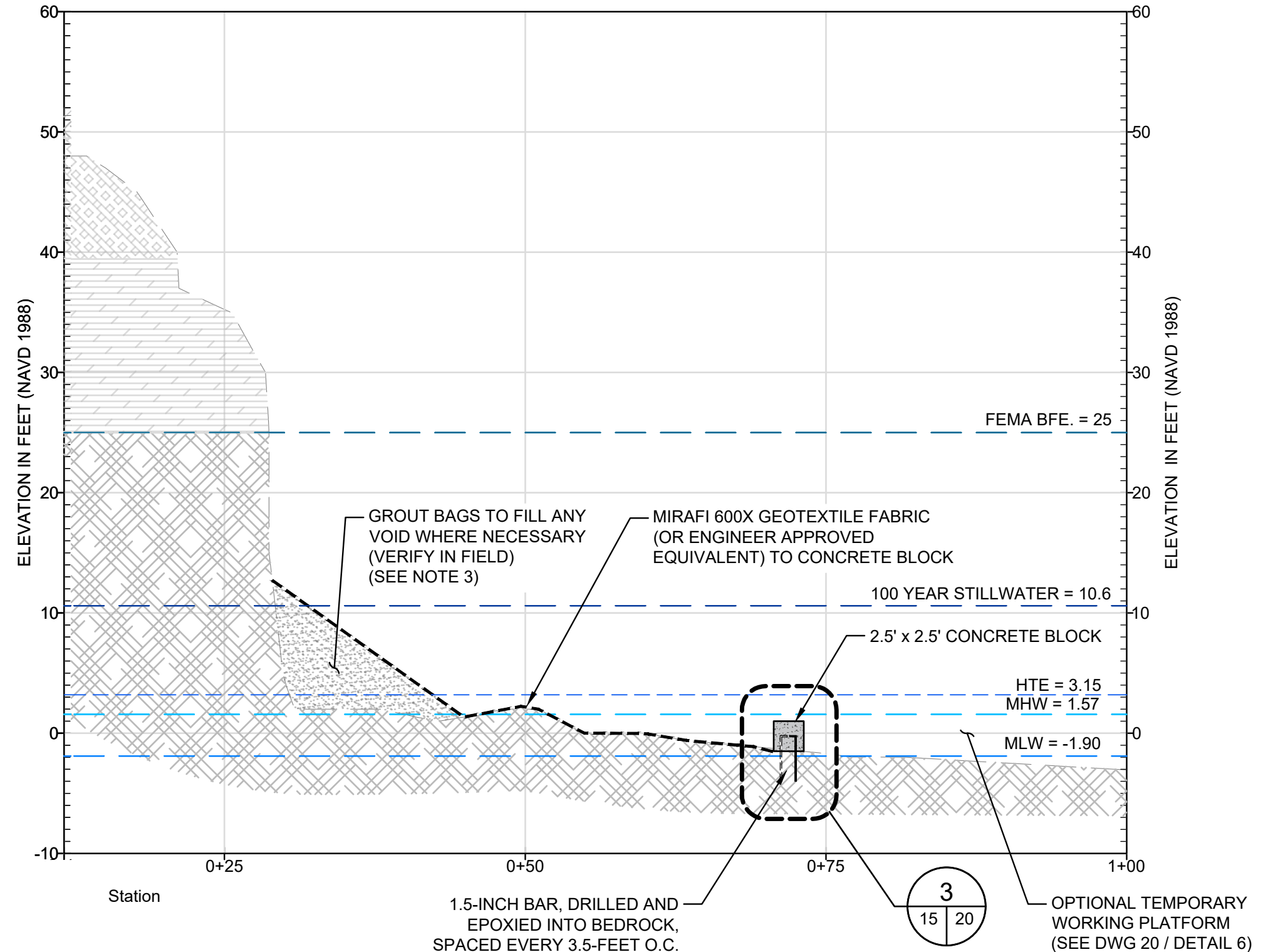
REV	DESCRIPTION	DATE	BY

PROJECT NO: 33884.01  
DATE: DECEMBER, 2025

PROJECT MGR:	TWS
DESIGNED BY:	SAB
DRAWN BY:	GRB
CHECKED BY:	TWS
REVIEWED BY:	MJP
SCALE:	AS NOTED
REVISION NO.	

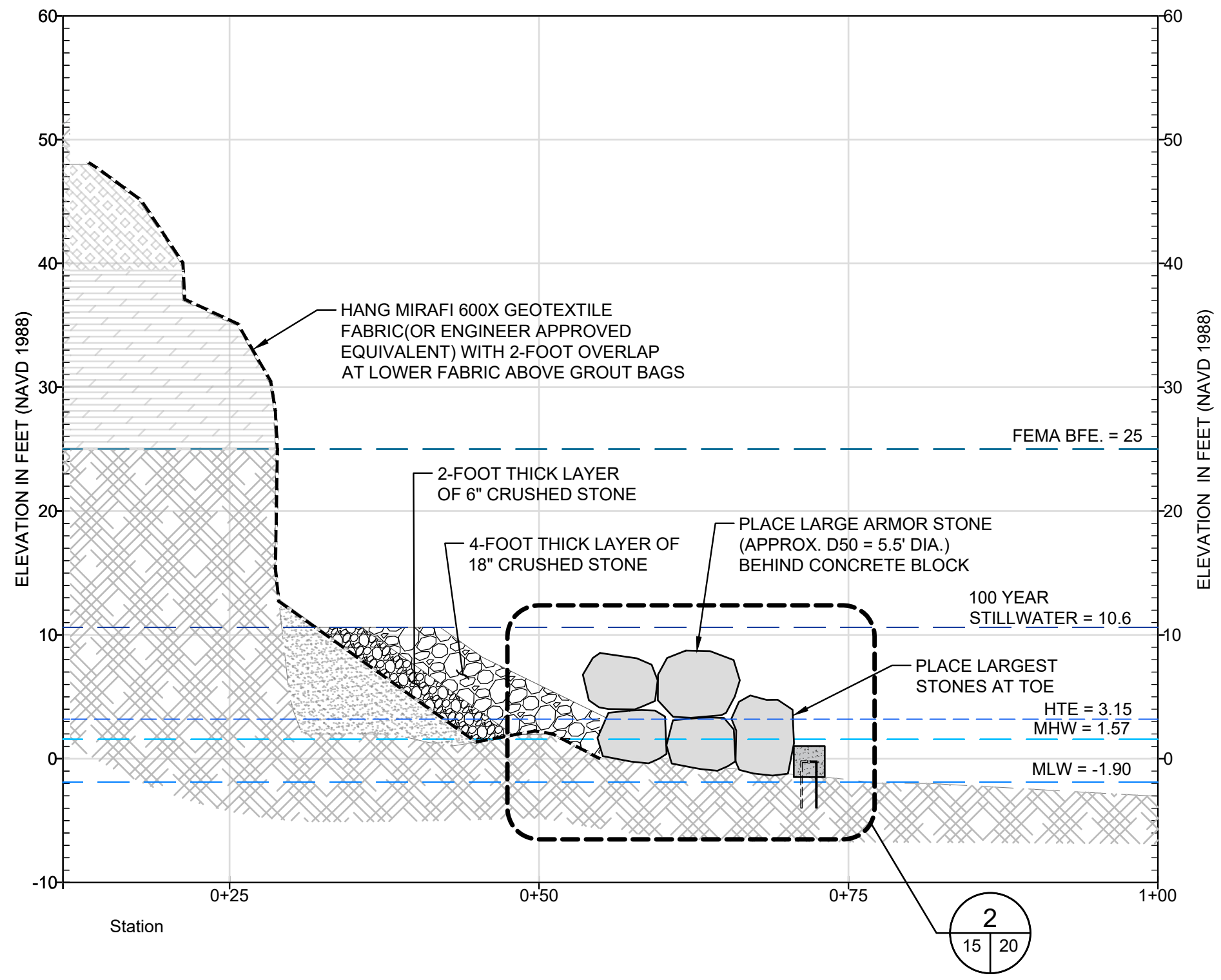
NEWPORT CLIFF WALK REPAIR  
NEWPORT, RHODE ISLAND

FINAL - RESTORATION PLAN

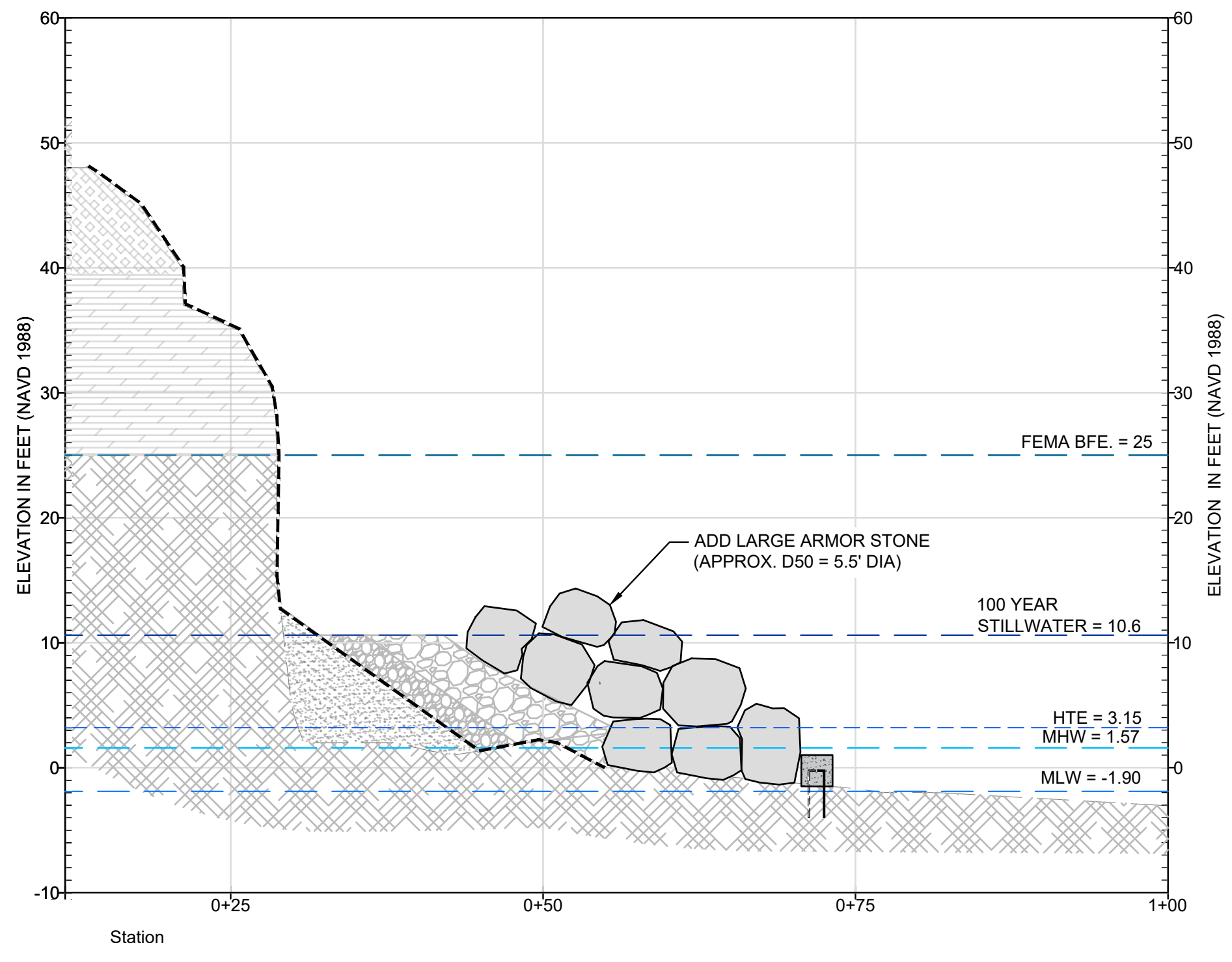


**TYPICAL REVETMENT CONSTRUCTION - PHASE 1**  
SCALE: 1"=10'

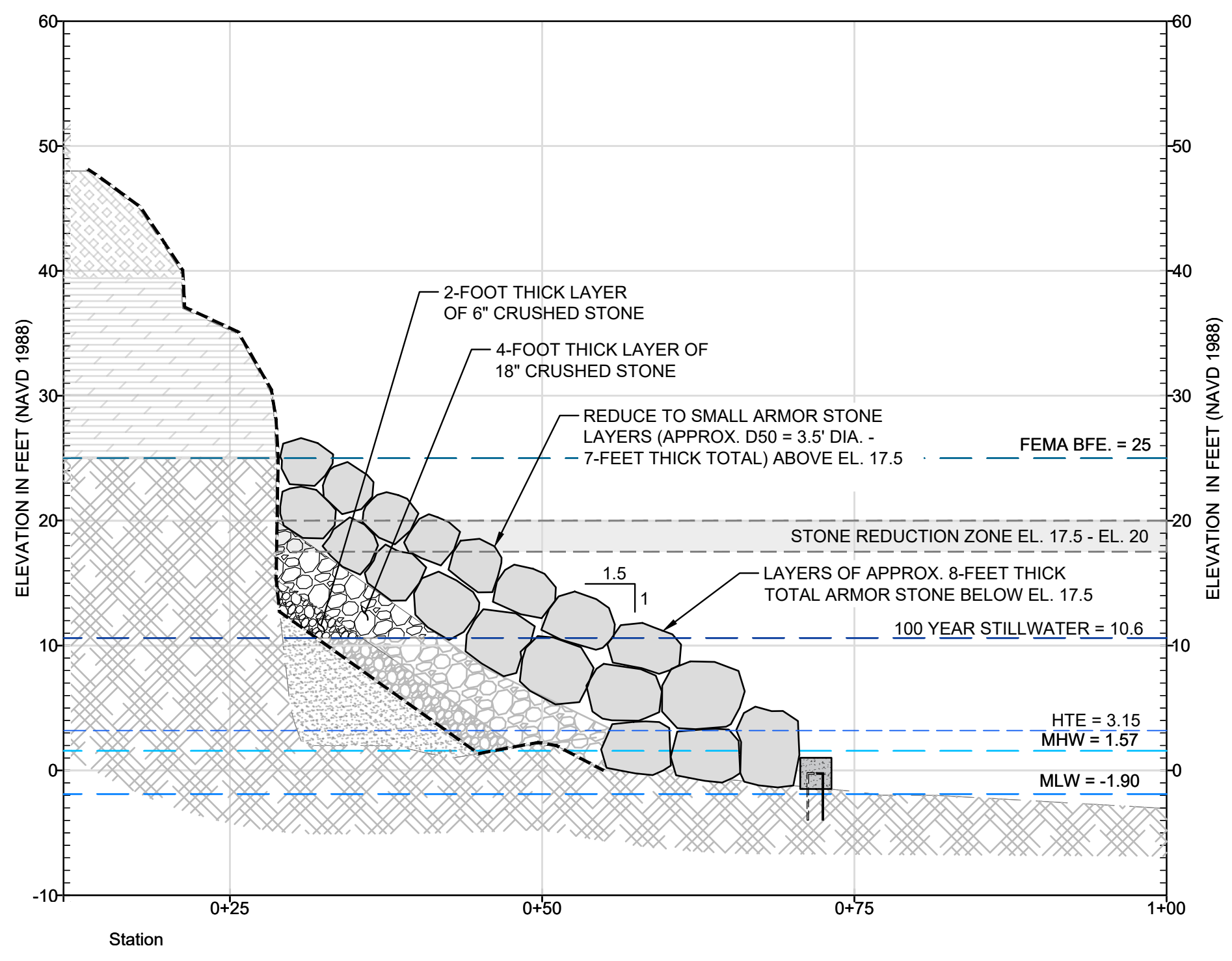
NOTE:  
SECTION A-A SHOWN  
(TYPICAL FOR ALL SECTIONS)



**TYPICAL REVETMENT CONSTRUCTION - PHASE 2**  
SCALE: 1"=10'



**TYPICAL REVETMENT CONSTRUCTION - PHASE 3**  
SCALE: 1"=10'



**TYPICAL REVETMENT CONSTRUCTION - PHASE 4**  
SCALE: 1"=10'

LARGE ARMOR STONE (Below EL. 20ft.)		
	STONE WEIGHT (LB) (EACH)	NOMINAL DIAMETER (FT)
MAX	36700	6.1
50% (D.50)	30000	5.6
MIN	22000	5.1

SMALL ARMOR STONE (Above EL. 20ft.)		
	STONE WEIGHT (LB) (EACH)	NOMINAL DIAMETER (FT)
MAX	30000	5.6
50% (D.50)	7500	3.5
15% (D.15)	4000	2.8
MIN	937.5	1.8

CORE STONE		
	STONE WEIGHT (LB) (EACH)	NOMINAL DIAMETER (FT)
MAX	621.1	1.6
50% (D.50)	155.3	1.2
15% (D.15)	77.6	0.8
MIN	19.4	0.5

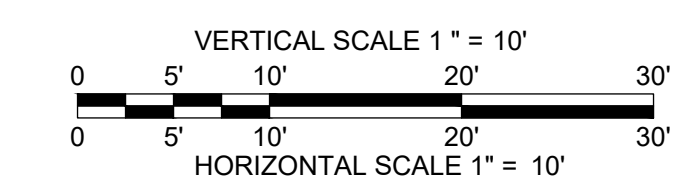
BEDDING STONE		
	STONE WEIGHT (LB) (EACH)	NOMINAL DIAMETER (IN)
MAX	44.9	8.0
50% (D.50)	11.2	4.8
15% (D.15)	5.6	3.8
MIN	1.4	0.2

**NOTES:**

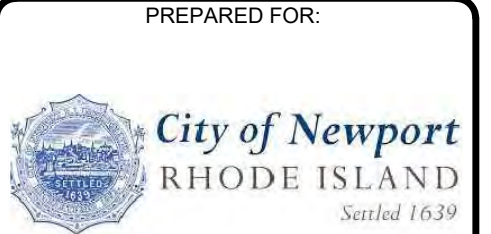
- NOMINAL DIAMETER OF THE ARMOR STONE WAS CALCULATED USING AN EQUIVALENT CUBIC VOLUME ESTIMATION. STONE SIZING SHOULD BE DETERMINED IN THE FIELD USING THE STONE WEIGHT.
- BASE AND CORE MATERIAL SHALL CONSIST OF ANGULAR, QUARRIED, CRUSHED STONE. STONE SHALL HAVE A MINIMUM DENSITY OF 160 POUNDS PER CUBIC FOOT AND A MINIMUM DIMENSION NOT LESS THAN ONE THIRD OF THE MAXIMUM DIMENSION. REFER TO RI DOT "M.10.03.2 STONE FOR RIPRAP", NSA NO. R-2 (SEE GRADATION ABOVE).
- PRIOR TO FILLING OF VOIDS BEYOND LIMITS OF REVETMENT, CONTRACTOR SHALL COORDINATE APPROVAL WITH ENGINEER AND OWNER.
- GROUT BAGS SHALL BE USED WHERE EXISTING MAN-MADE STRUCTURES HAVE BEEN UNDERMINED. STONES MAY BE USED IN LIEU OF GROUT BAGS AT OTHER LOCATIONS.

**CONSTRUCTION SEQUENCE:**

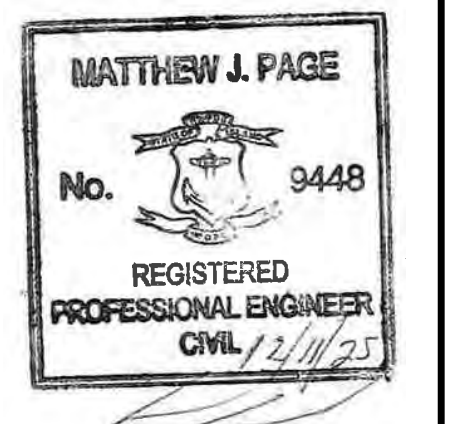
- PLACE CONCRETE BLOCK AT TOE OF SLOPE. INSTALL 1.5 INCH DIA. BAR AND EPOXY WITH HILTI RE-500 OR APPROVED EQUIVALENT INTO BEDROCK.
- INSTALL GROUT BAGS IN NECESSARY VOID (VERIFY IN FIELD) (AS NECESSARY).
- HANG GEOTEXTILE FROM CLIFF FACE OVER GROUT BAGS (AS NECESSARY).
- PLACE 5.5 FOOT STONES BEHIND CONCRETE BLOCK.
- BEGIN INSTALLING CRUSHED STONE AND BEDDING LAYERS.
- PLACE 5.5 FOOT STONES ATOP BEDDING LAYER, AND BUILD SLOPE.
- AT ELEVATION 15.0 NAVD88, TRANSITION TO 3.5 FOOT ARMOR STONES.
- CONSTRUCT LAYERED SLOPE AT A 1.5H:1V TO NOTED ELEVATION.



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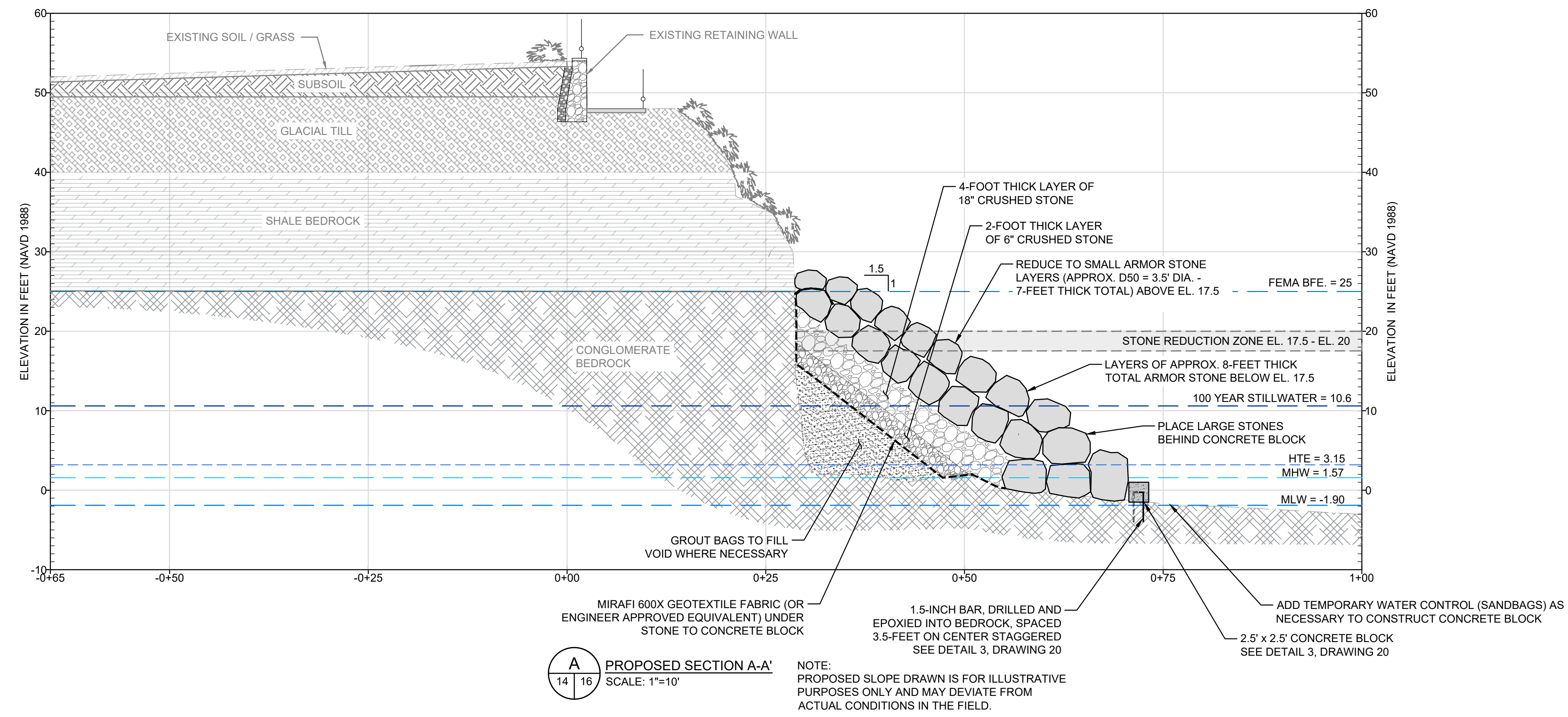
REV	DESCRIPTION	DATE	BY

PROJECT NO:	33884.01
DATE:	DECEMBER, 2025
PROJECT MGR:	TWS
DESIGNED BY:	SAB
DRAWN BY:	GRB
CHECKED BY:	TWS
REVIEWED BY:	MJP
SCALE:	AS NOTED
REVISION NO.	

NEWPORT CLIFF WALK REPAIR  
NEWPORT, RHODE ISLAND

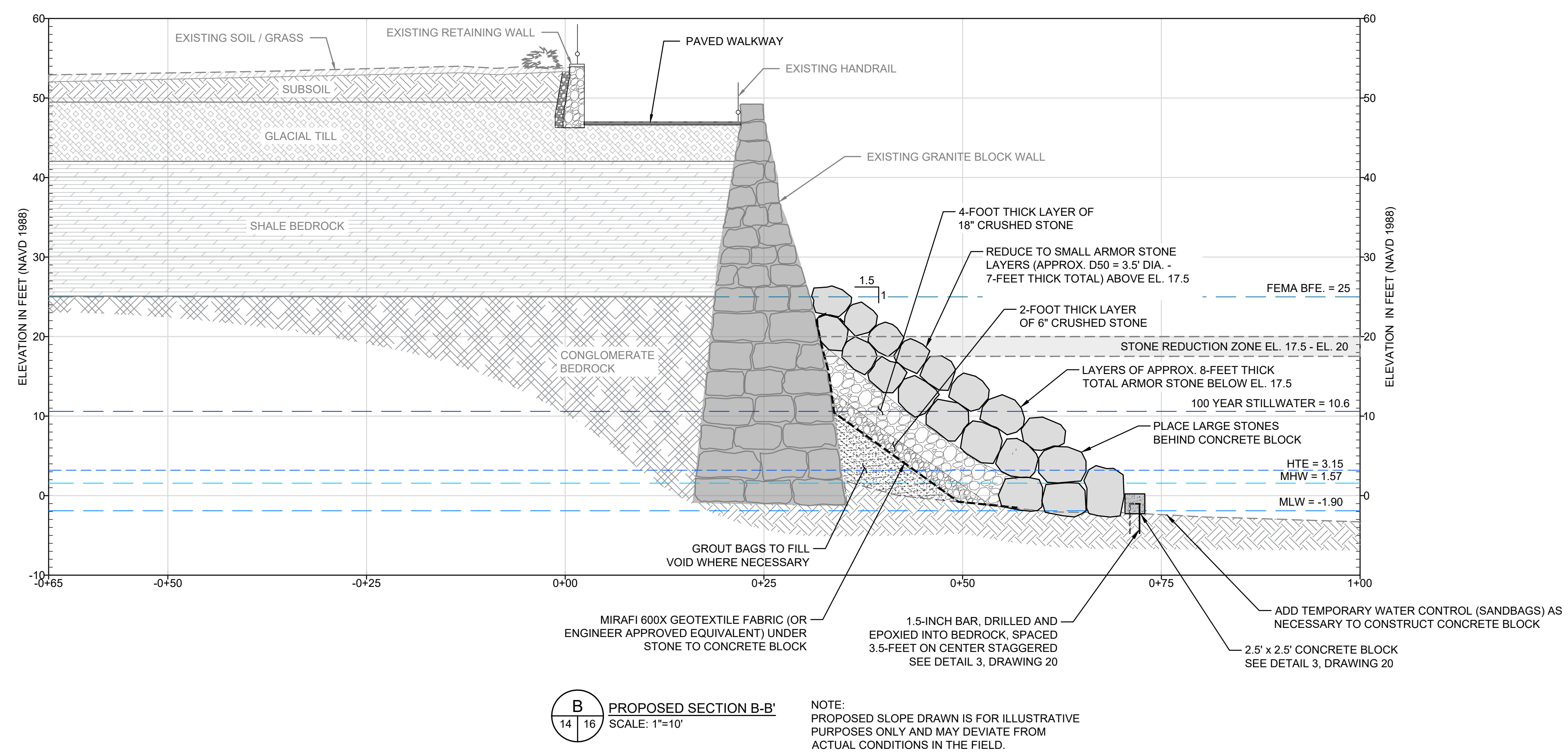
TYPICAL REVETMENT  
CONSTRUCTION PHASING

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**A** PROPOSED SECTION A-A'  
SCALE: 1"=10'

NOTE:  
PROPOSED SLOPE DRAWN IS FOR ILLUSTRATIVE PURPOSES ONLY AND MAY DEVIATE FROM ACTUAL CONDITIONS IN THE FIELD.



**B** PROPOSED SECTION B-B'  
SCALE: 1"=10'

NOTE:  
PROPOSED SLOPE DRAWN IS FOR ILLUSTRATIVE PURPOSES ONLY AND MAY DEVIATE FROM ACTUAL CONDITIONS IN THE FIELD.

LARGE ARMOR STONE (Below EL. 20ft.)		
	STONE WEIGHT (LB) (EACH)	NOMINAL DIAMETER (FT)
MAX	36700	6.1
50% (D.50)	30000	5.6
MIN	22000	5.1

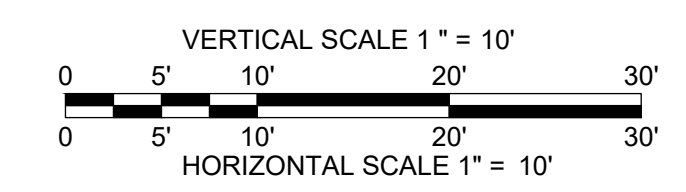
SMALL ARMOR STONE (Above EL. 20ft.)		
	STONE WEIGHT (LB) (EACH)	NOMINAL DIAMETER (FT)
MAX	30000	5.6
50% (D.50)	7500	3.5
15% (D.15)	4000	2.8
MIN	937.5	1.8

CORE STONE		
	STONE WEIGHT (LB) (EACH)	NOMINAL DIAMETER (FT)
MAX	621.1	1.6
50% (D.50)	155.3	1.2
15% (D.15)	77.6	0.8
MIN	19.4	0.5

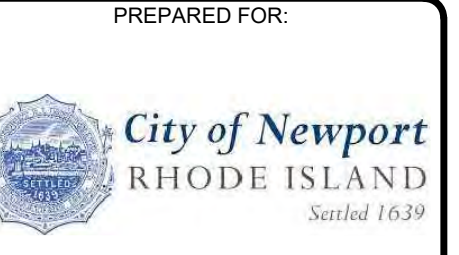
BEDDING STONE		
	STONE WEIGHT (LB) (EACH)	NOMINAL DIAMETER (IN )
MAX	44.9	8.0
50% (D.50)	11.2	4.8
15% (D.15)	5.6	3.8
MIN	1.4	0.2

**NOTES:**

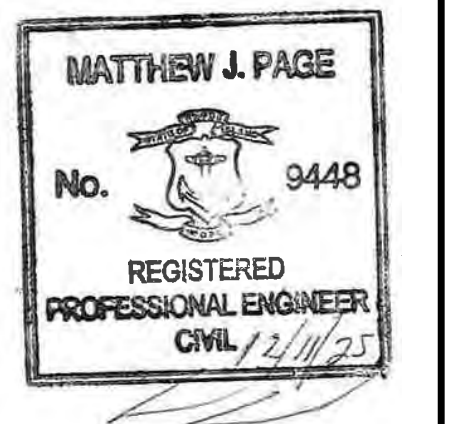
- NOMINAL DIAMETER OF THE ARMOR STONE WAS CALCULATED USING AN EQUIVALENT CUBIC VOLUME ESTIMATION. STONE SIZING SHOULD BE DETERMINED IN THE FIELD USING THE STONE WEIGHT.
- BASE AND CORE MATERIAL SHALL CONSIST OF ANGULAR, QUARRIED, CRUSHED STONE. STONE SHALL HAVE A MINIMUM DENSITY OF 160 POUNDS PER CUBIC FOOT AND A MINIMUM DIMENSION NOT LESS THAN ONE THIRD OF THE MAXIMUM DIMENSION. REFER TO RI DOT "M.10.03.2 STONE FOR RIPRAP", NSA NO. R-2 (SEE GRADATION ABOVE).
- PRIOR TO FILLING OF VOIDS BEYOND LIMITS OF REVETMENT, CONTRACTOR SHALL COORDINATE APPROVAL WITH ENGINEER AND OWNER.
- GROUT BAGS SHALL BE USED WHERE EXISTING MAN-MADE STRUCTURES HAVE BEEN UNDERMINED. STONES MAY BE USED IN LIEU OF GROUT BAGS AT OTHER LOCATIONS.



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NOT FOR CONSTRUCTION**

REV	DESCRIPTION	DATE	BY

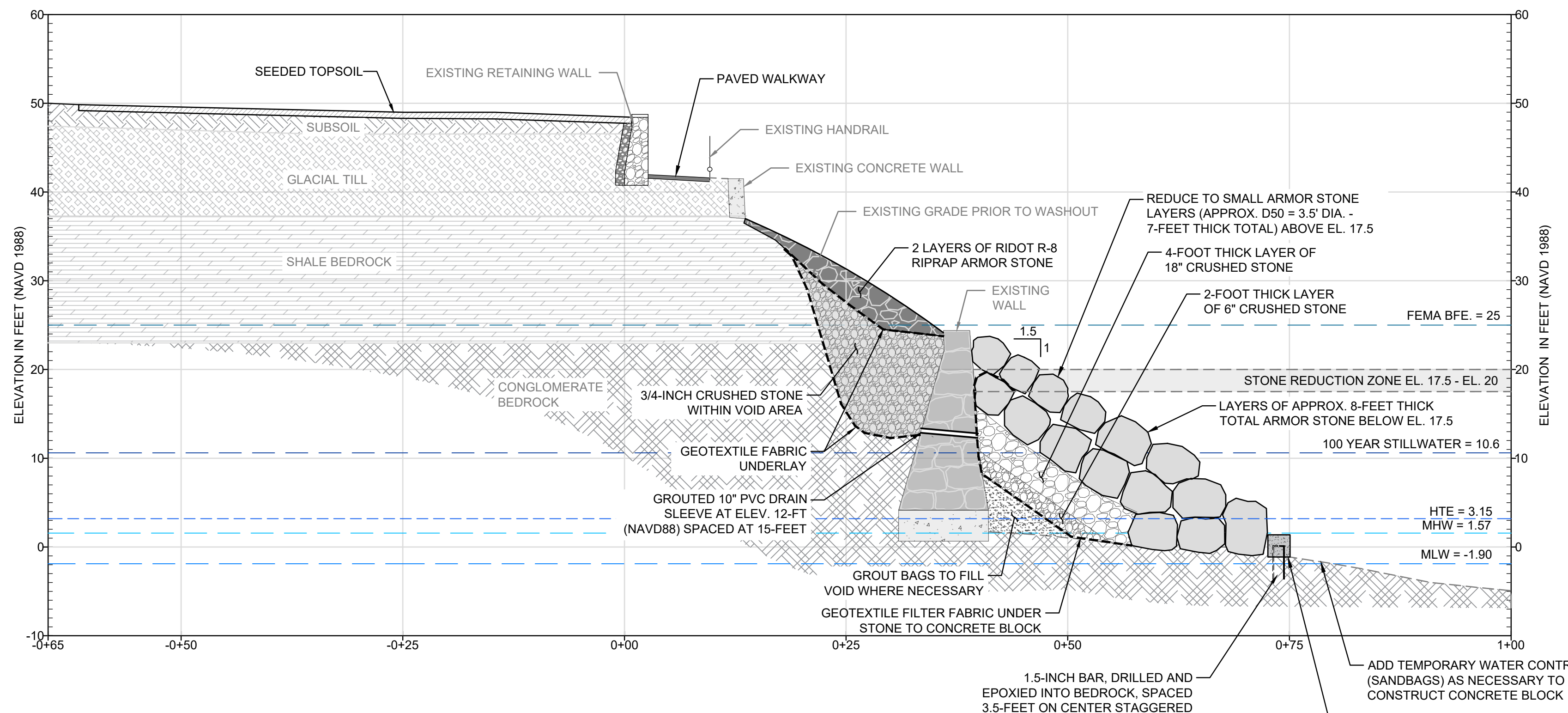
PROJECT NO:	33884.01
DATE:	DECEMBER, 2025
PROJECT MGR:	TWS
DESIGNED BY:	SAB
DRAWN BY:	GRB
CHECKED BY:	TWS
REVIEWED BY:	MJP
SCALE:	AS NOTED
REVISION NO.	

NEWPORT CLIFF WALK REPAIR  
NEWPORT, RHODE ISLAND

**PROPOSED CONDITIONS SECTIONS  
(SHEET 1 OF 3)**

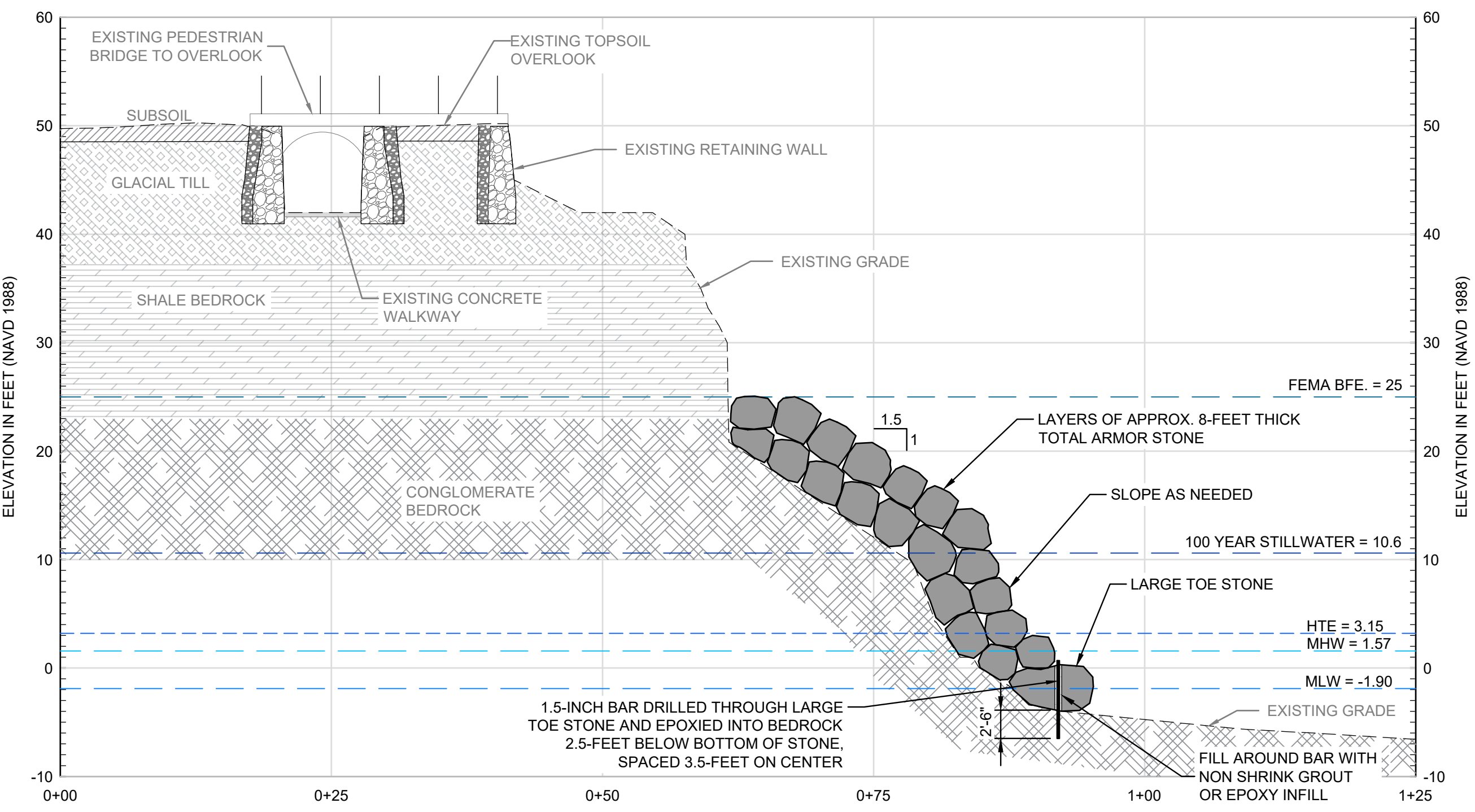


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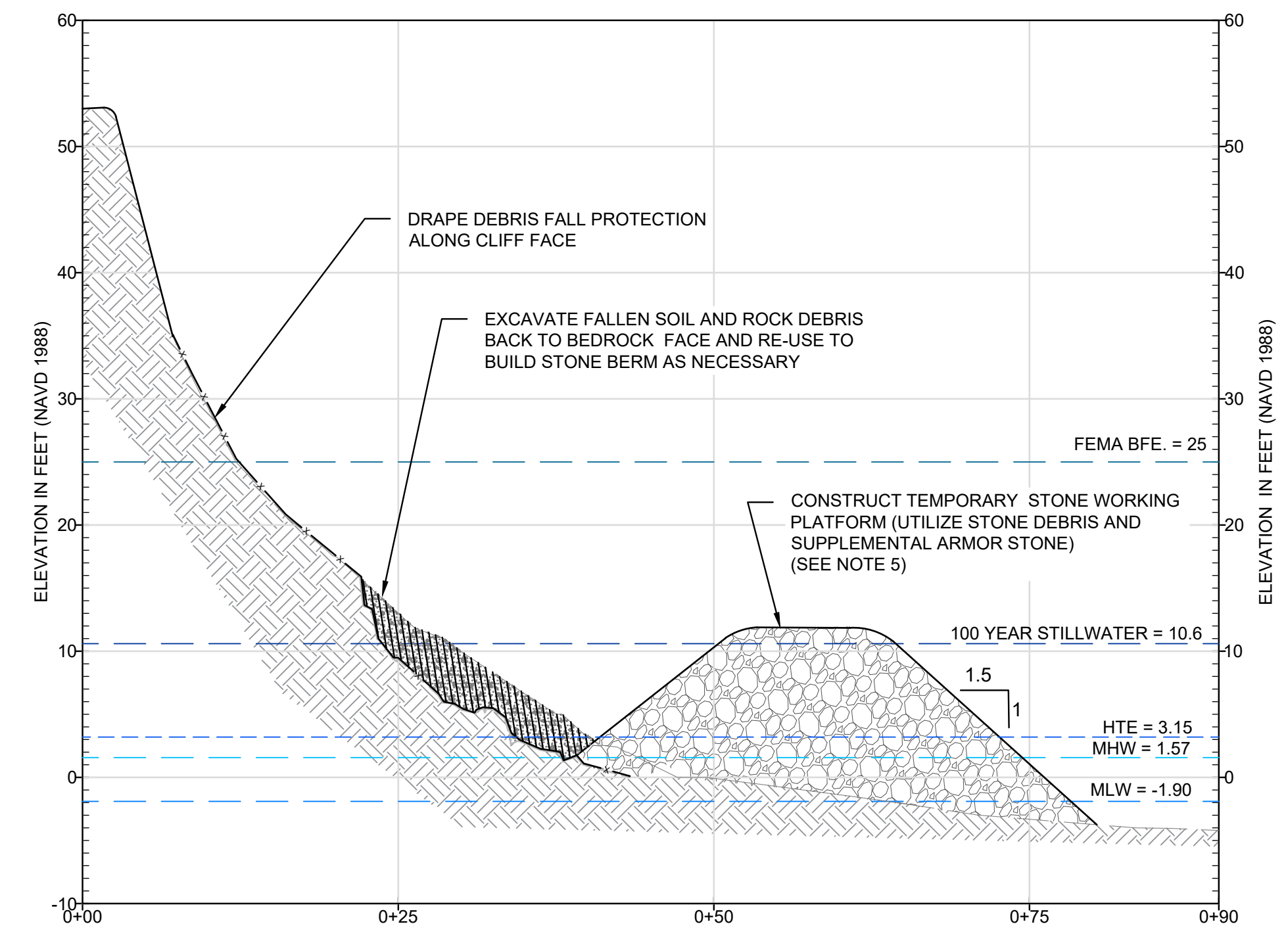
**E**  
 14 18  
 PROPOSED SECTION E-E'  
 SCALE: 1"=10'

NOTE:  
 SLOPE DRAWN IS ILLUSTRATIVE FOR  
 REPRESENTATIVE SECTION SHOWN.  
 ELEVATIONS SHOWN ARE TO BE MAINTAINED  
 FOR ENTIRE WALL ALIGNMENT.



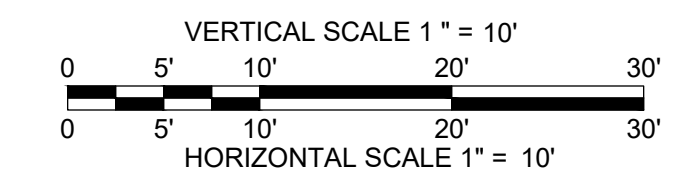
**F**  
 14 18  
 PROPOSED SECTION F-F'  
 SCALE: 1"=10'

NOTE:  
 SLOPE DRAWN IS ILLUSTRATIVE FOR  
 REPRESENTATIVE SECTION SHOWN.  
 ELEVATIONS SHOWN ARE TO BE MAINTAINED  
 FOR ENTIRE WALL ALIGNMENT.



**1**  
 18  
 OPTIONAL WORKING PLATFORM - DETAIL  
 SCALE: 1"=10'

NOTE:  
 FOR TEMPORARY USE ONLY DURING  
 REPAIR CONSTRUCTION



RIDOT R8 RIPRAP ARMOR STONE		
	STONE WEIGHT (LB) (EACH)	NOMINAL DIAMETER (FT)
MAX	14000	4.4
50% (D.50)	3500	2.7
15% (D.15)	1750	2.2
MIN	437.5	1.4

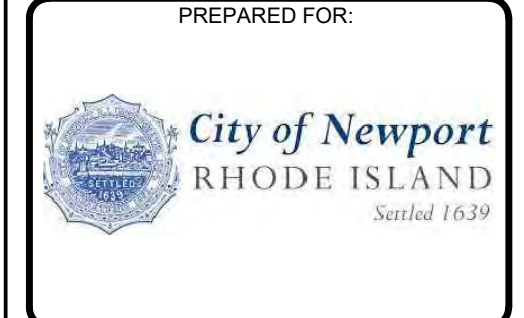
LARGE ARMOR STONE (Below EL. 20ft.)		
	STONE WEIGHT (LB) (EACH)	NOMINAL DIAMETER (FT)
MAX	36700	6.1
50% (D.50)	30000	5.6
MIN	22000	5.1

SMALL ARMOR STONE (Above EL. 20ft.)		
	STONE WEIGHT (LB) (EACH)	NOMINAL DIAMETER (FT)
MAX	30000	5.6
50% (D.50)	7500	3.5
15% (D.15)	4000	2.8
MIN	937.5	1.8

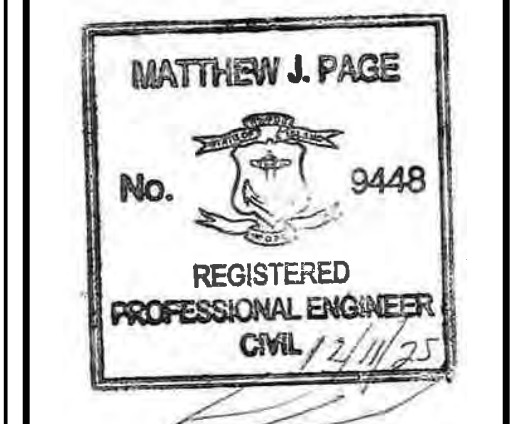
CORE STONE		
	STONE WEIGHT (LB) (EACH)	NOMINAL DIAMETER (FT)
MAX	621.1	1.6
50% (D.50)	155.3	1.2
15% (D.15)	77.6	0.8
MIN	19.4	0.5

BEDDING STONE		
	STONE WEIGHT (LB) (EACH)	NOMINAL DIAMETER (IN)
MAX	44.9	8.0
50% (D.50)	11.2	4.8
15% (D.15)	5.6	3.8
MIN	1.4	0.2

- NOTES:
- NOMINAL DIAMETER OF THE ARMOR STONE WAS CALCULATED USING AN EQUIVALENT CUBIC VOLUME ESTIMATION. STONE SIZING SHOULD BE DETERMINED IN THE FIELD USING THE STONE WEIGHT.
  - BASE AND CORE MATERIAL SHALL CONSIST OF ANGULAR, QUARRIED, CRUSHED STONE. STONE SHALL HAVE A MINIMUM DENSITY OF 160 POUNDS PER CUBIC FOOT AND A MINIMUM DIMENSION NOT LESS THAN ONE THIRD OF THE MAXIMUM DIMENSION. REFER TO RIDOT "M.10.03.2 STONE FOR RIPRAP", NSA NO. R-2 (SEE GRADATION ABOVE).
  - RIDOT R8 STONE TO BE PLACED ABOVE EXISTING CONCRETE BLOCK WALL AND WILL SIT DIRECTLY ON CRUSHED STONE LAYER.
  - STONE BELOW BLOCK WALL TO BE CONSISTENT WITH REVETMENT FROM SECTIONS A-D.
  - TEMPORARY STONE PLATFORM IS SHOWN FOR ILLUSTRATION PURPOSES ONLY. CONTRACTOR SHALL BE RESPONSIBLE FOR DESIGN OF PLATFORM BASED ON THESE MEANS AND METHODS. PLATFORM SHALL BE REMOVED FOLLOWING CONSTRUCTION EFFORT. NO SOIL SHOULD BE ALLOWED FOR THE CONSTRUCTION OF THE STONE PLATFORM.
  - INSTALL REVETMENT STONES WITHIN SECTION F FOLLOWING PLACEMENT OF CLIFF WALK OR OTHER OTHER PORTIONS OF CLIFF WALK OR OTHER.



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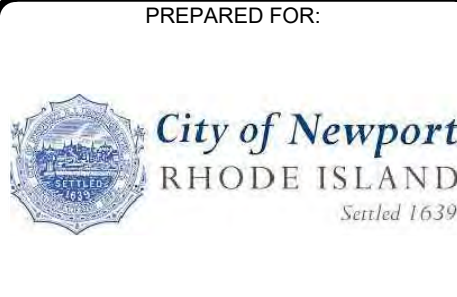


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DRAWN BY:	GRB
CHECKED BY:	TWS
REVIEWED BY:	MJP
SCALE:	AS NOTED
REVISION NO.	

NEWPORT CLIFF WALK REPAIR  
 NEWPORT, RHODE ISLAND  
 PROPOSED CONDITIONS AND  
 WORKING PLATFORM SECTIONS  
 (SHEET 3 OF 3)



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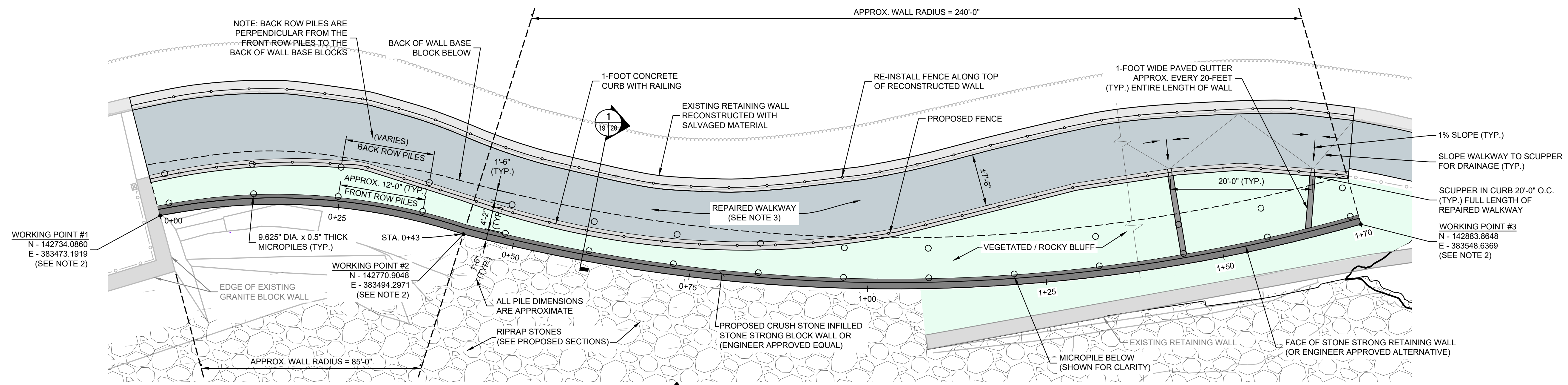
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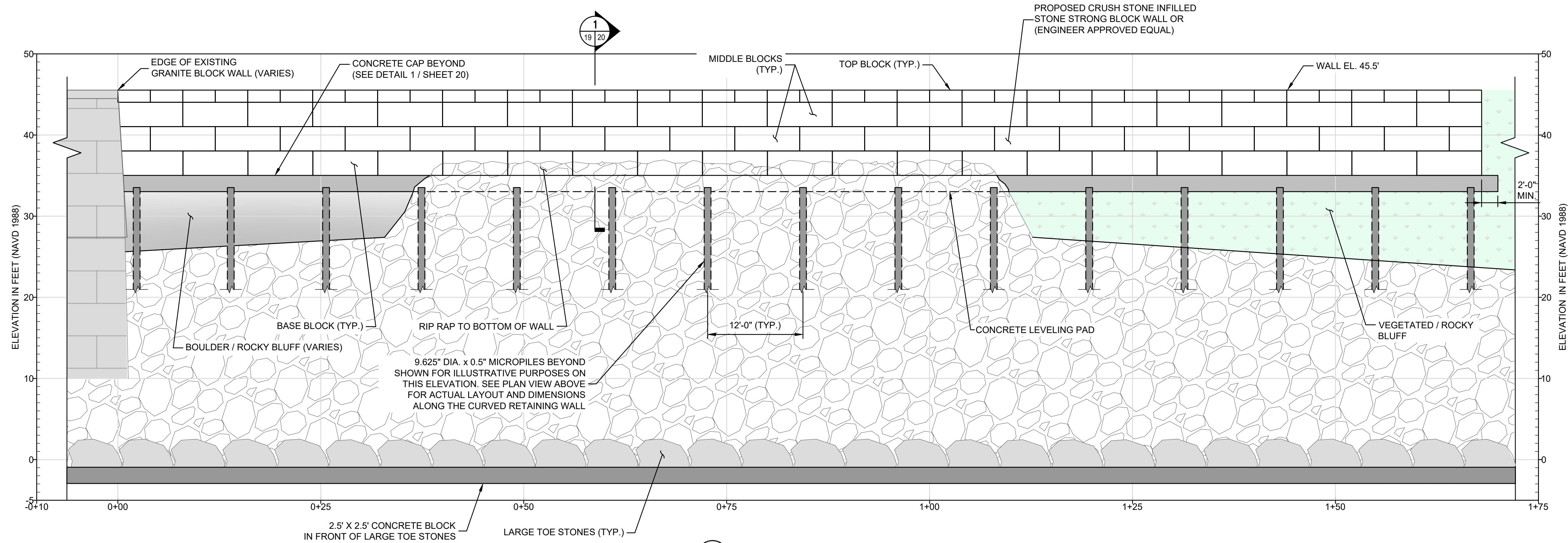
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NEWPORT CLIFF WALK REPAIR  
NEWPORT, RHODE ISLAND

REPAIR PLAN AND ELEVATION



**MSE RETAINING WALL PLAN & ALIGNMENT**  
SCALE: 1"=8'

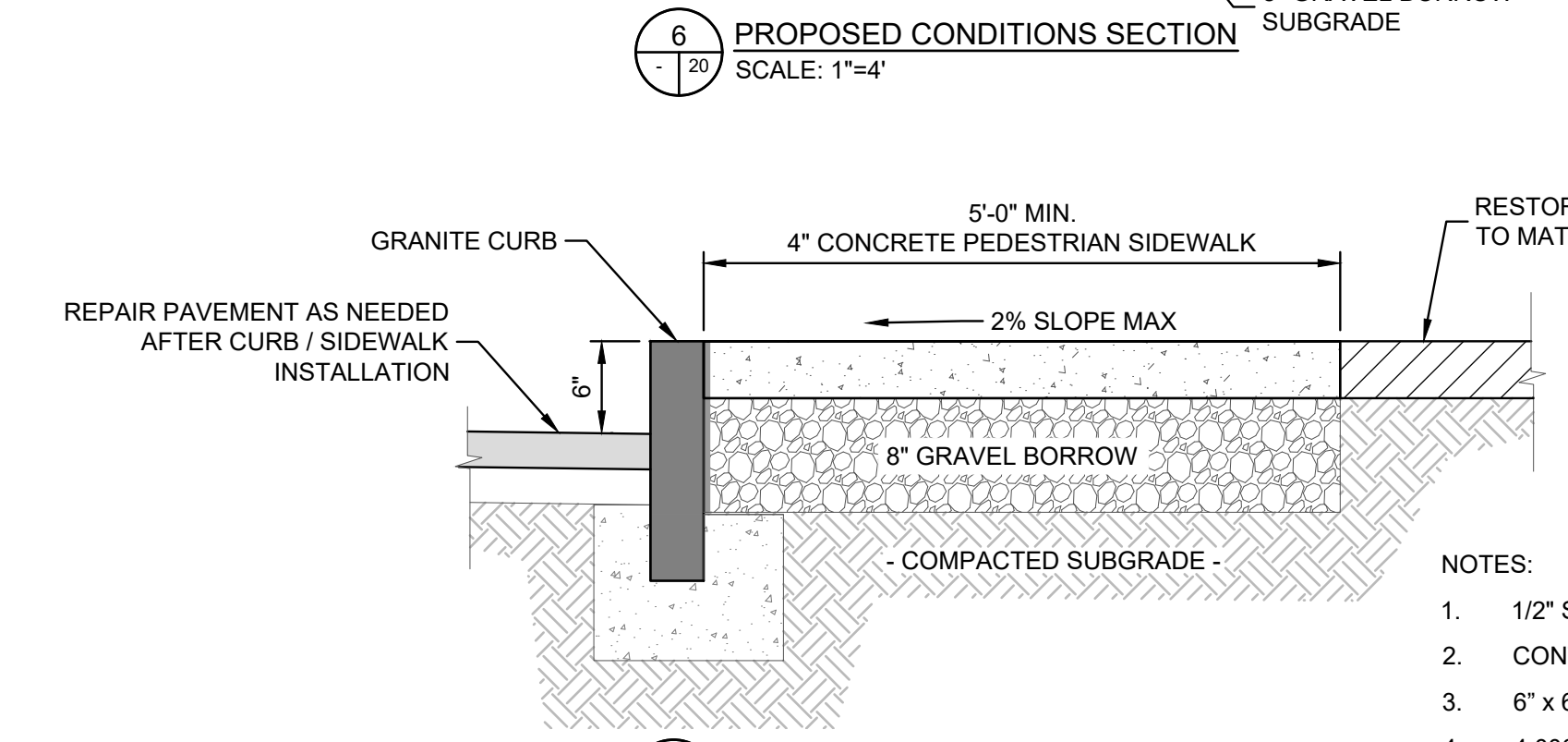
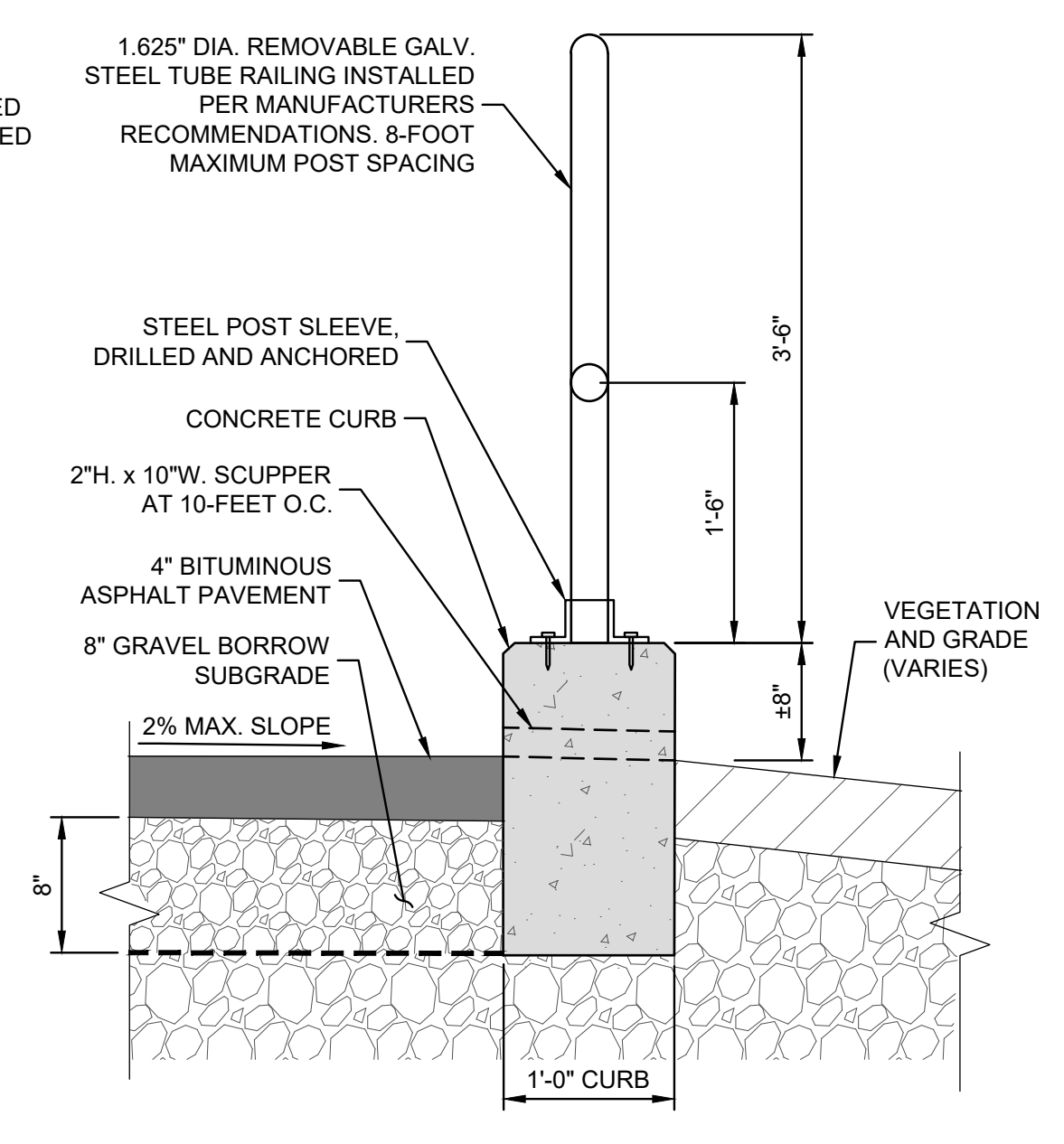
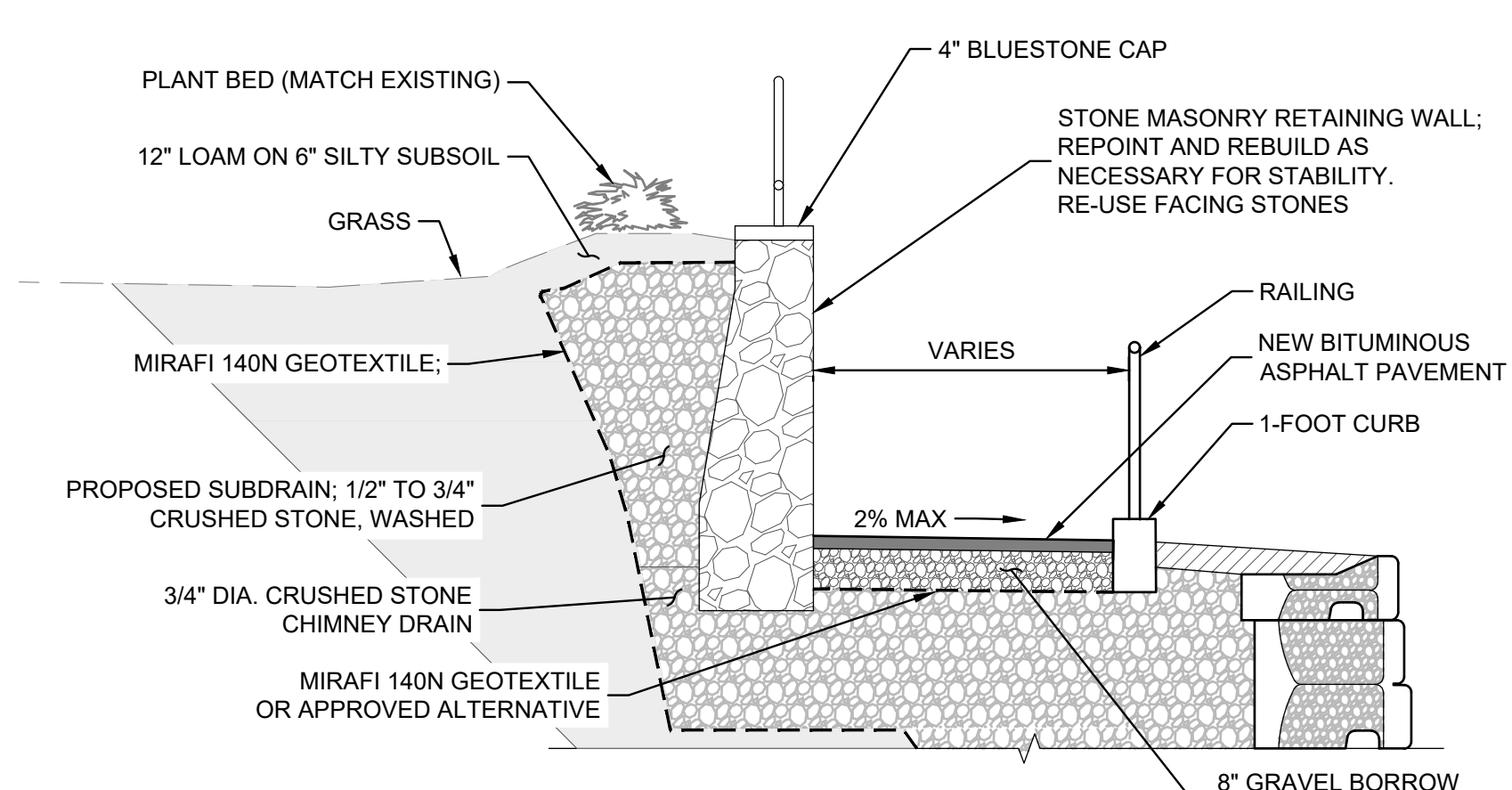
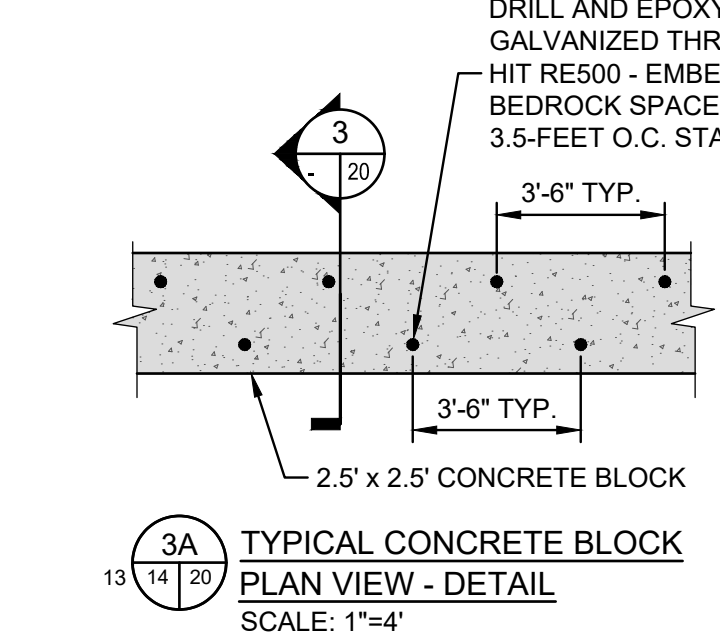
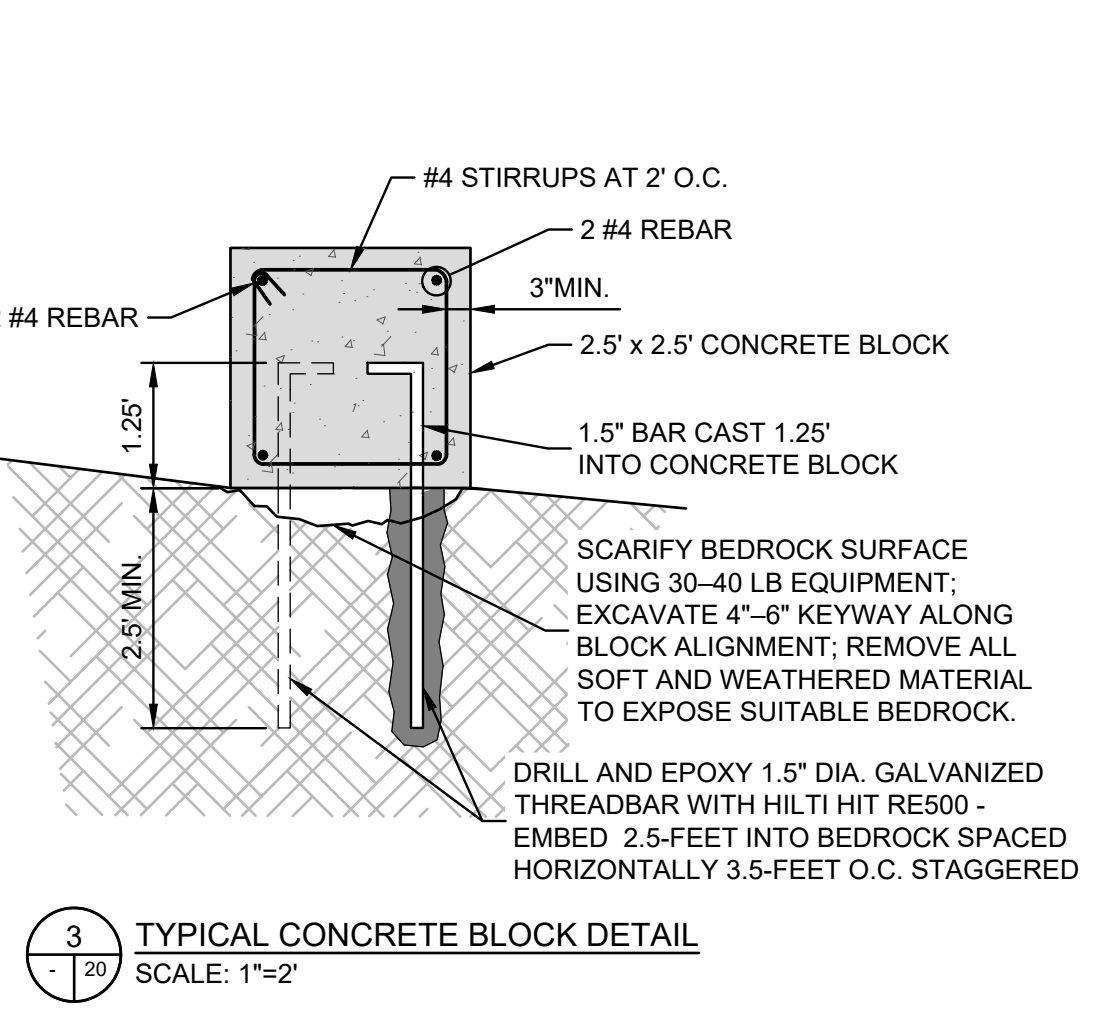
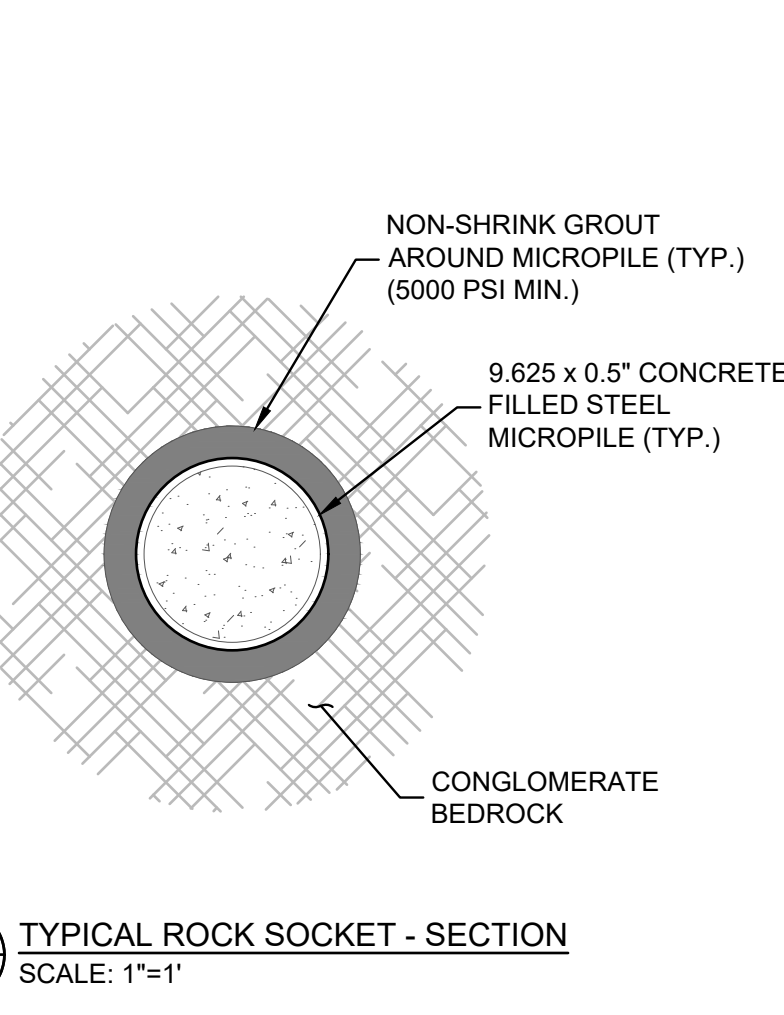
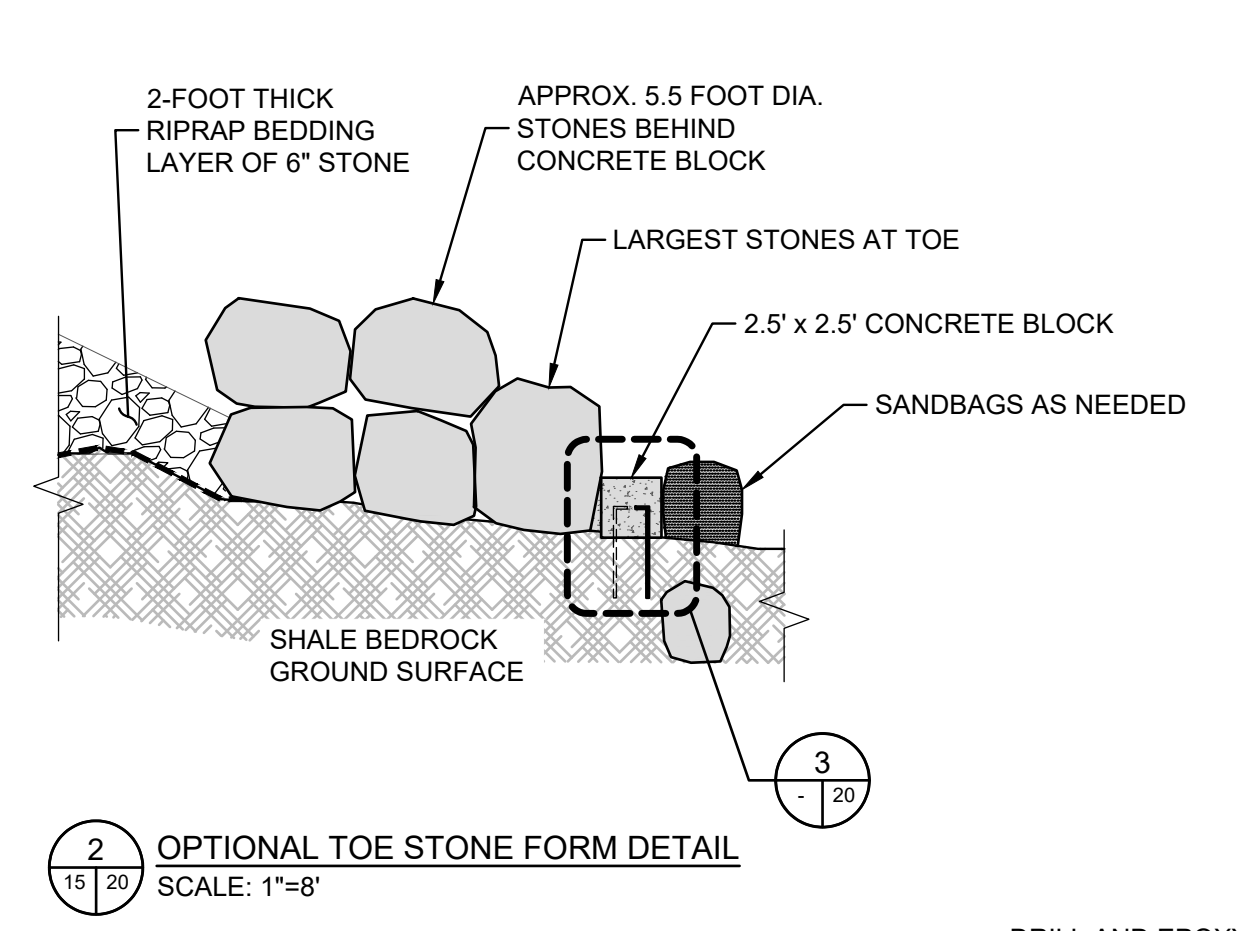
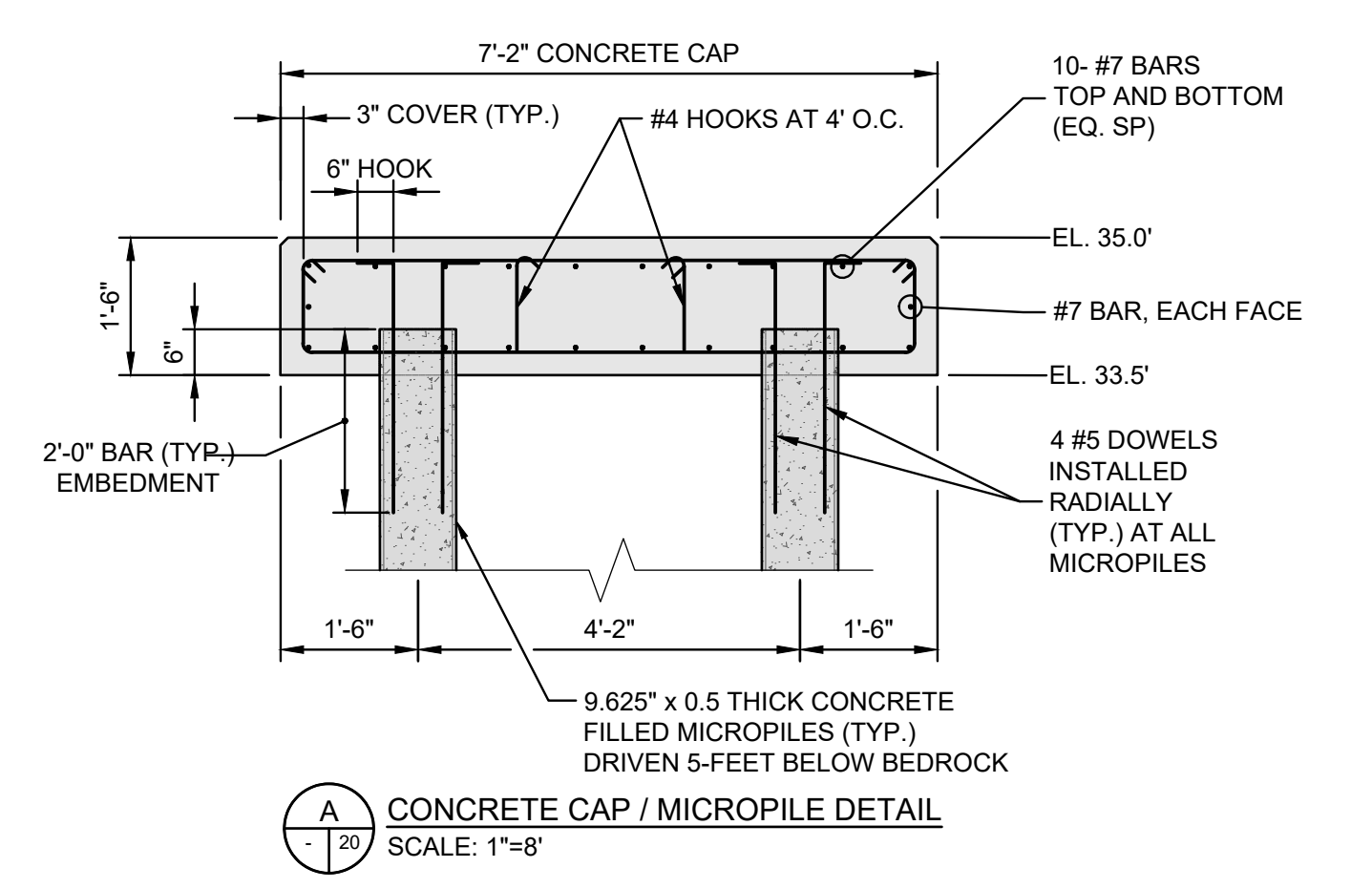
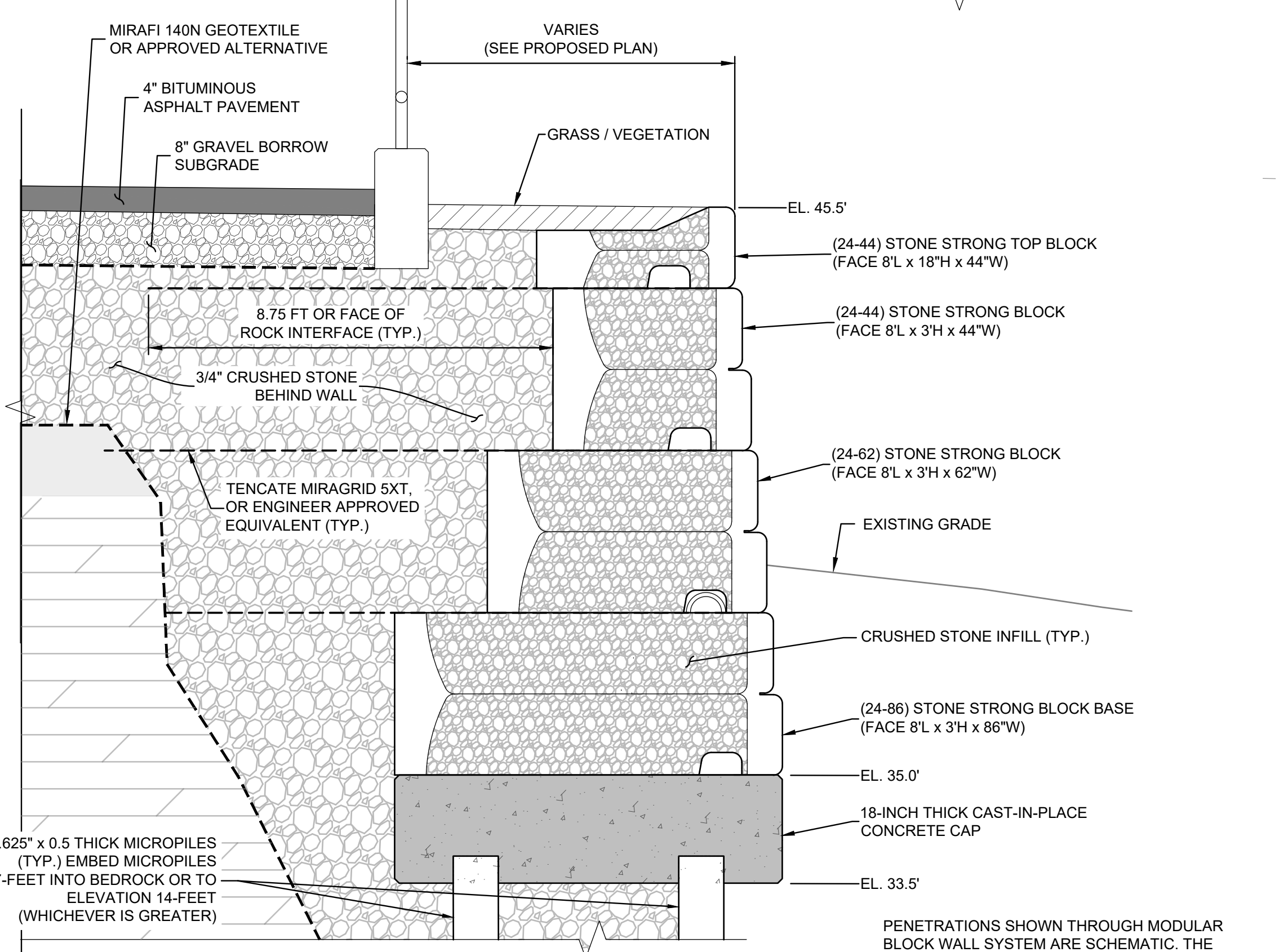
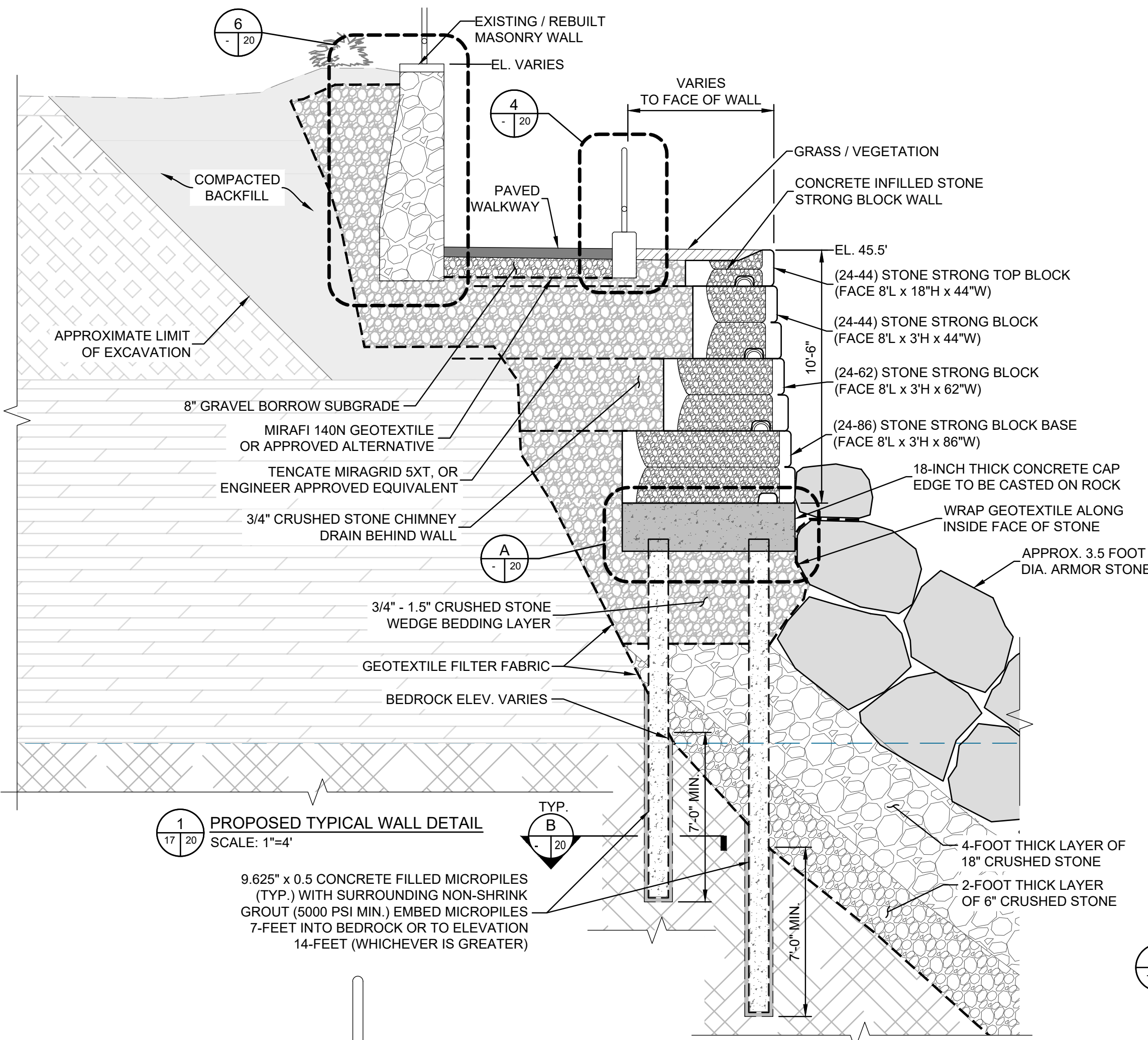


**MSE RETAINING WALL ELEVATION**  
SCALE: 1"=8'

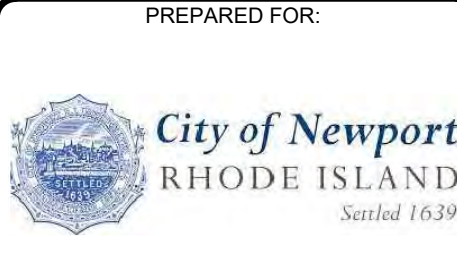
- NOTES:
- STONE STRONG BLOCK CONFIGURATION MUST MAINTAIN MINIMUM CONCAVE RADIUS OF 14'-6" AND A MINIMUM CONVEX RADIUS OF 17'. MINIMUM RADII PERTAIN TO THE TOP COURSE.
  - WORKING POINTS ARE APPROXIMATE AND SHALL BE VERIFIED IN THE FIELD. CONTRACTOR SHALL NOTIFY ENGINEER OF ANY DISCREPANCIES.
  - REPAIRED WALKWAY ALIGNMENT TO MATCH EXISTING FACE OF EXISTING PRIVACY RETAINING WALL. PERFORM PRE-CONSTRUCTION SURVEY OF EXISTING PRIVACY WALL TO ESTABLISH ACTUAL WALKWAY ALIGNMENT.

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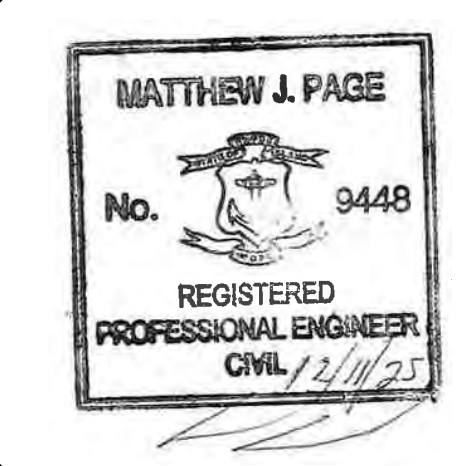
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- NOTES:
- 1/2" SEALED EXPANSION JOINT EVERY 30 FEET.
  - CONTROL JOINTS EVERY 6 FEET
  - 6" x 6" - W5 x W5 WELDED WIRE FABRIC
  - 4,000 PSI MIN. STRENGTH, CLASS D.
  - CONCRETE SHALL BE INTEGRALLY COLORED AND STAMPED WHERE SHOWN ON PLANS



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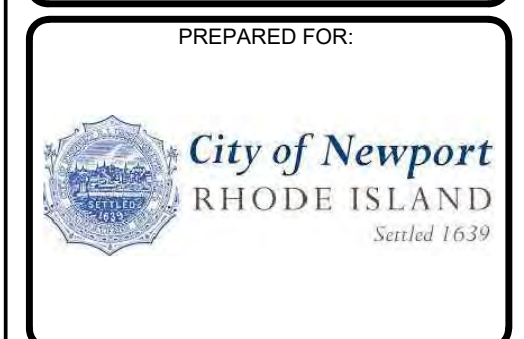
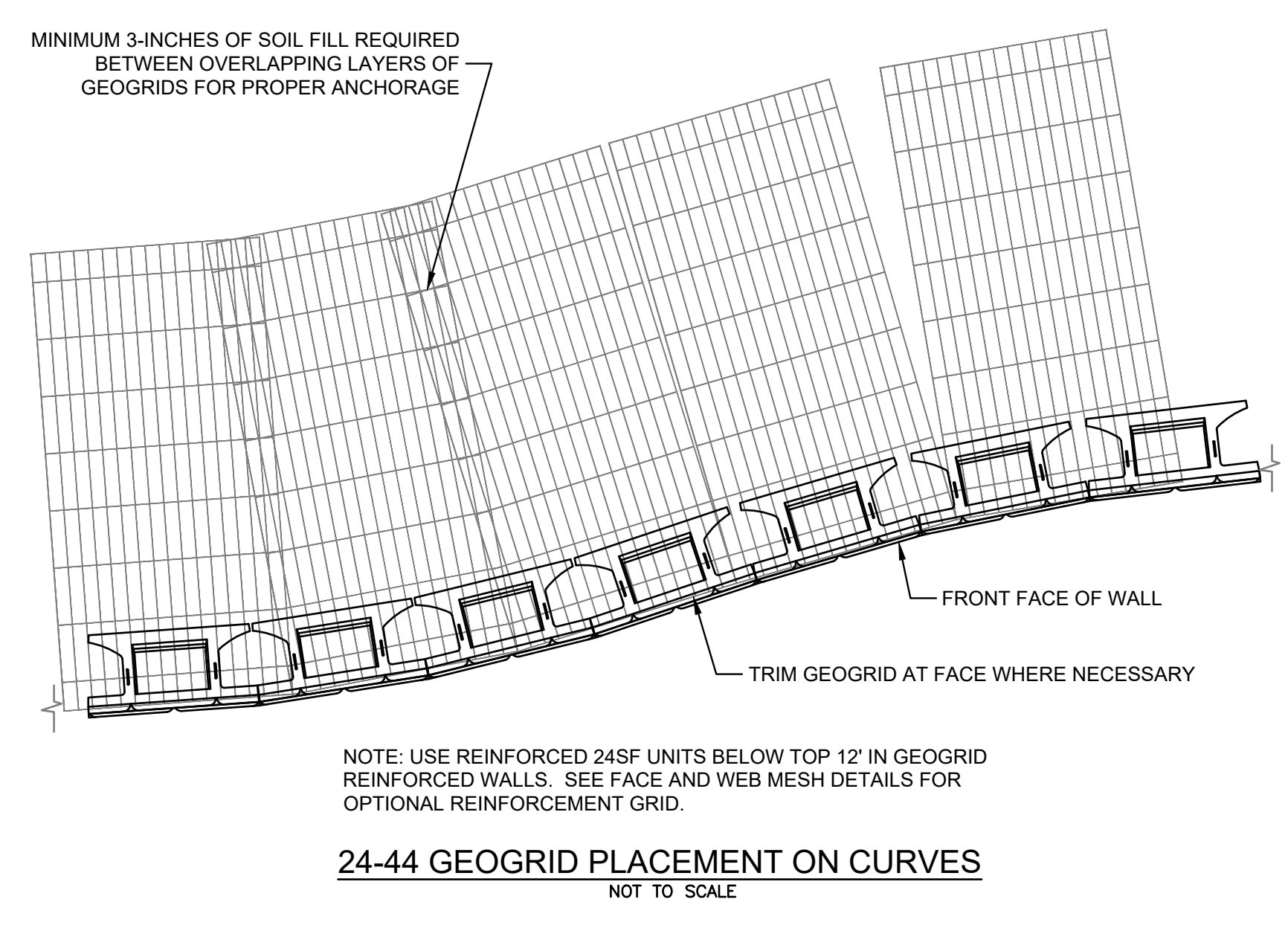
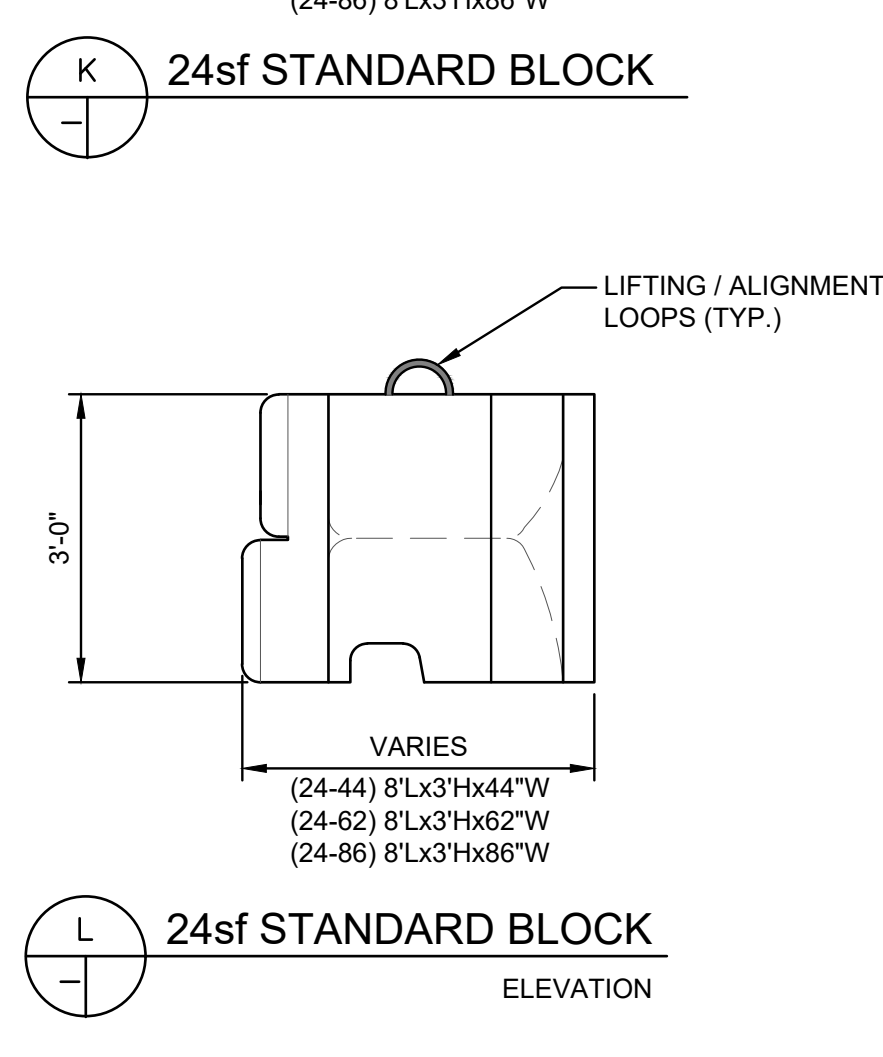
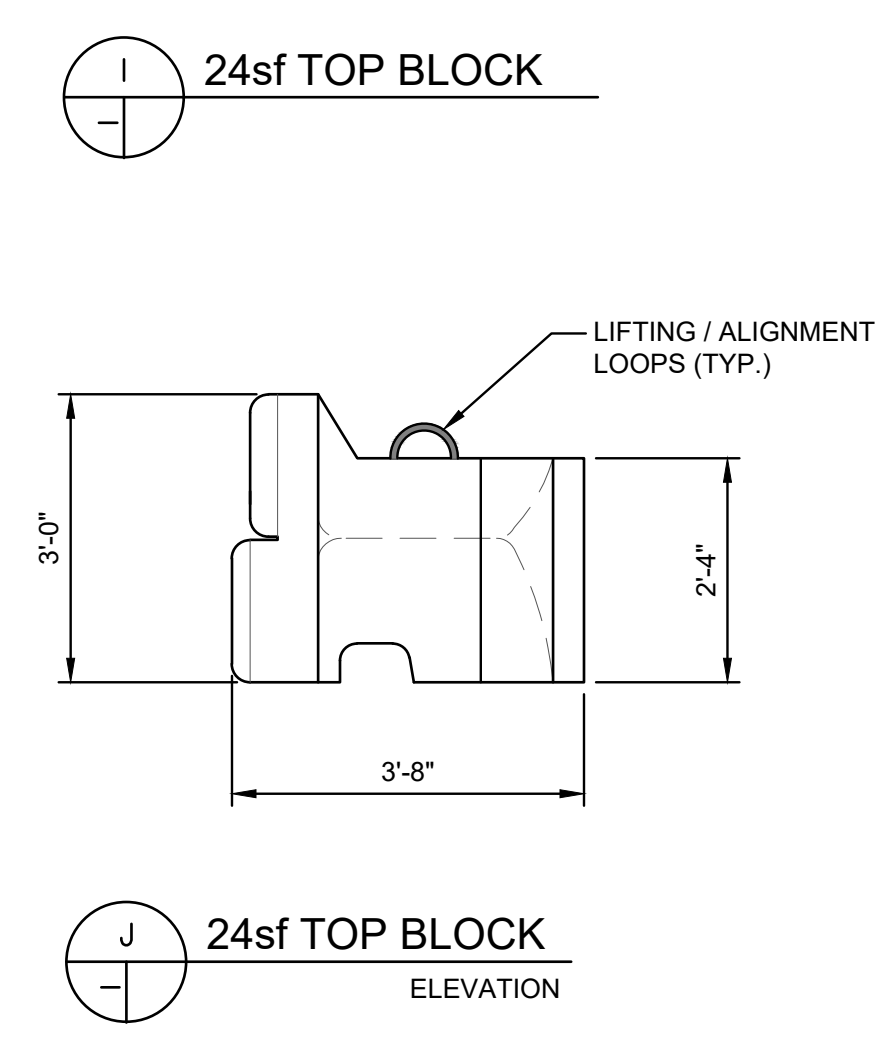
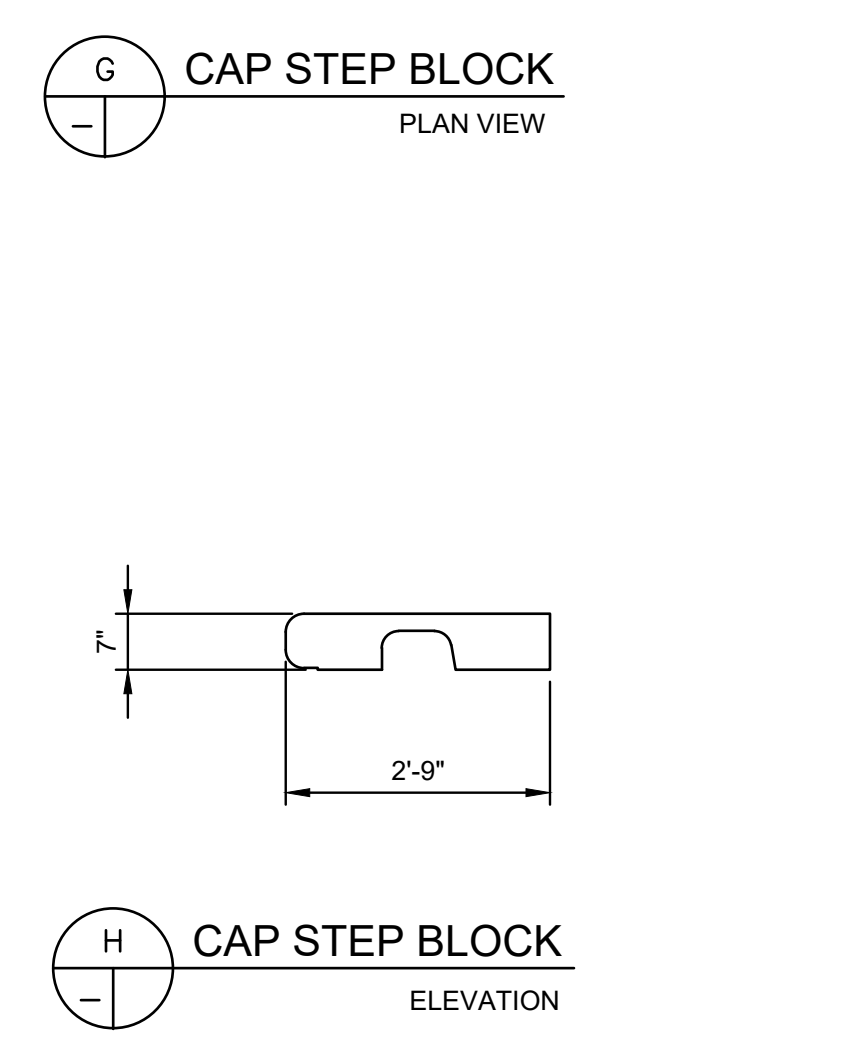
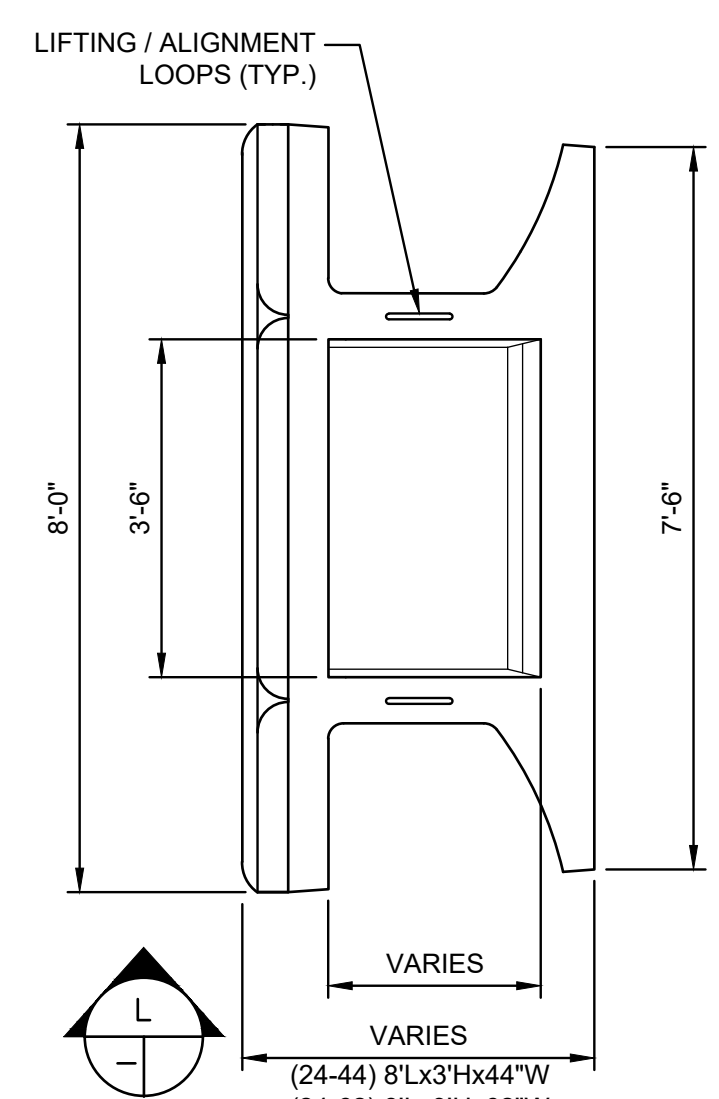
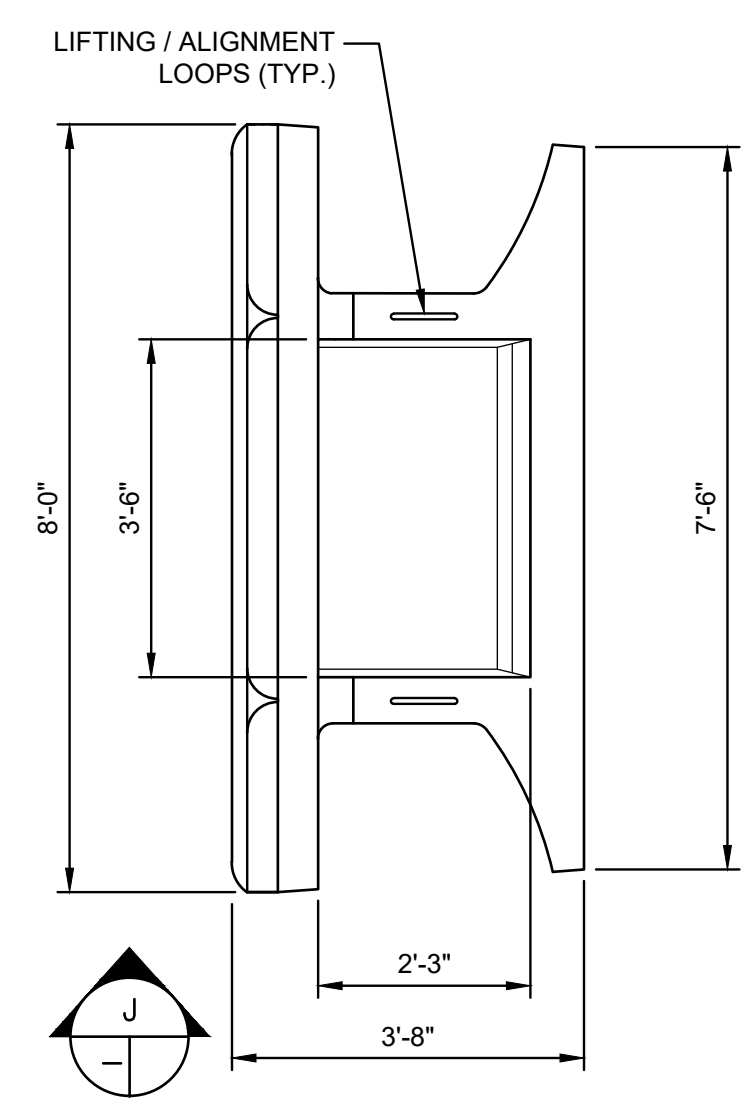
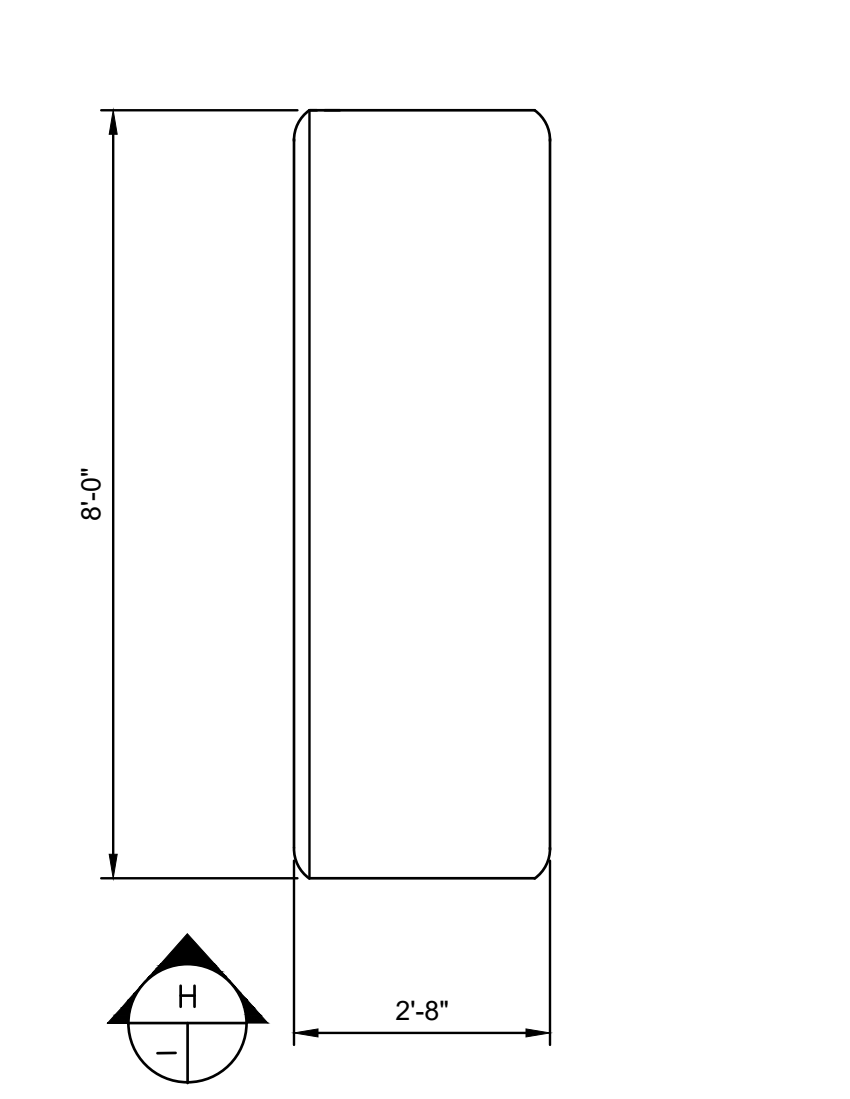
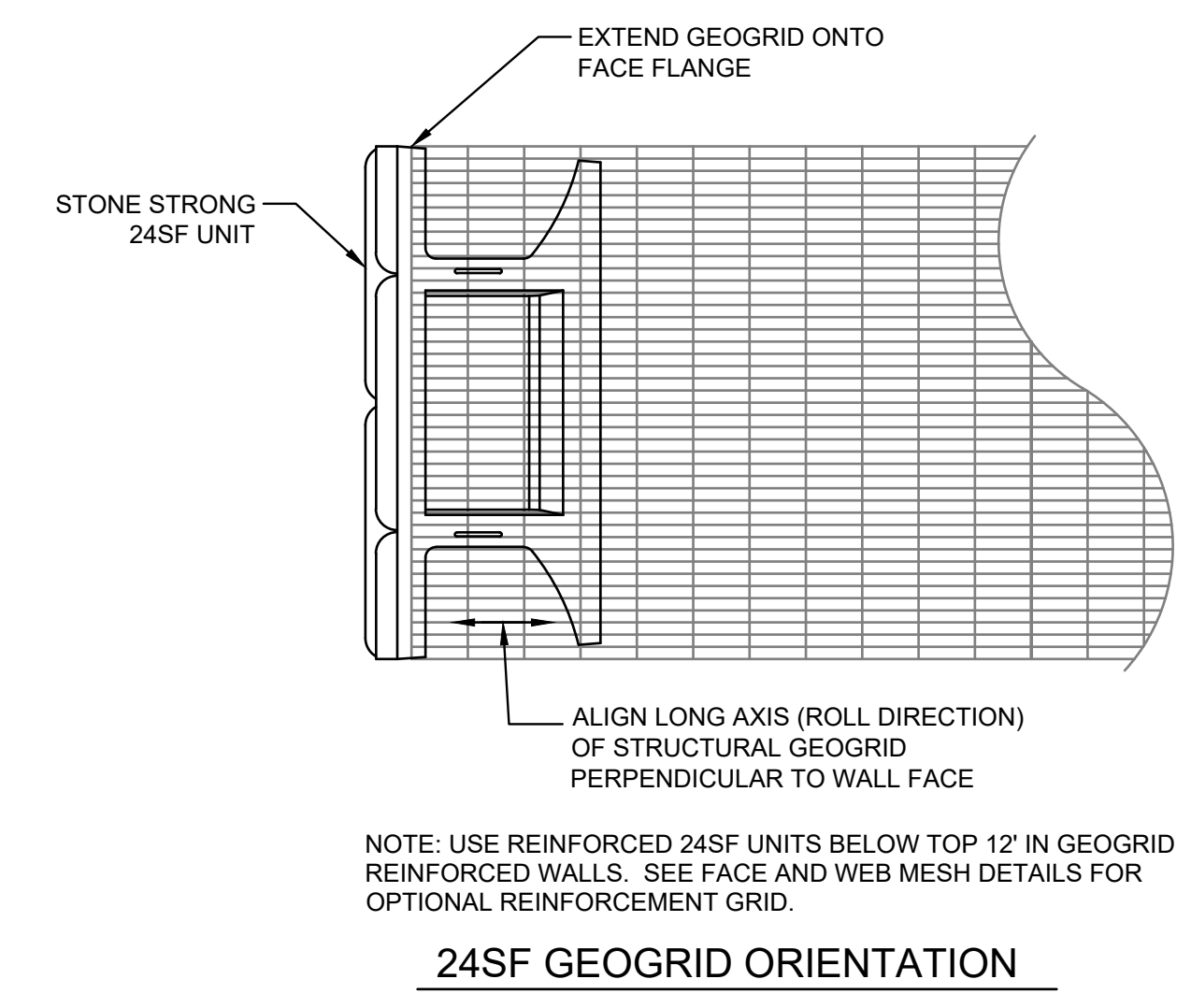
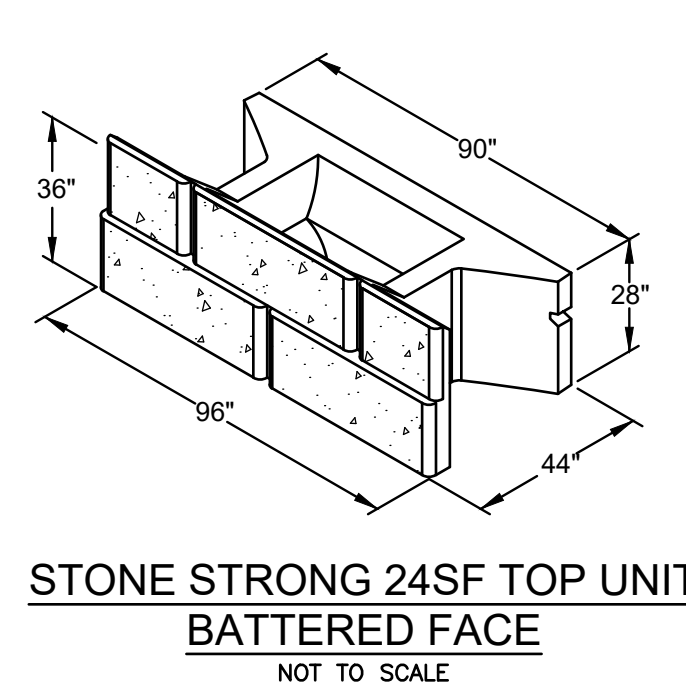
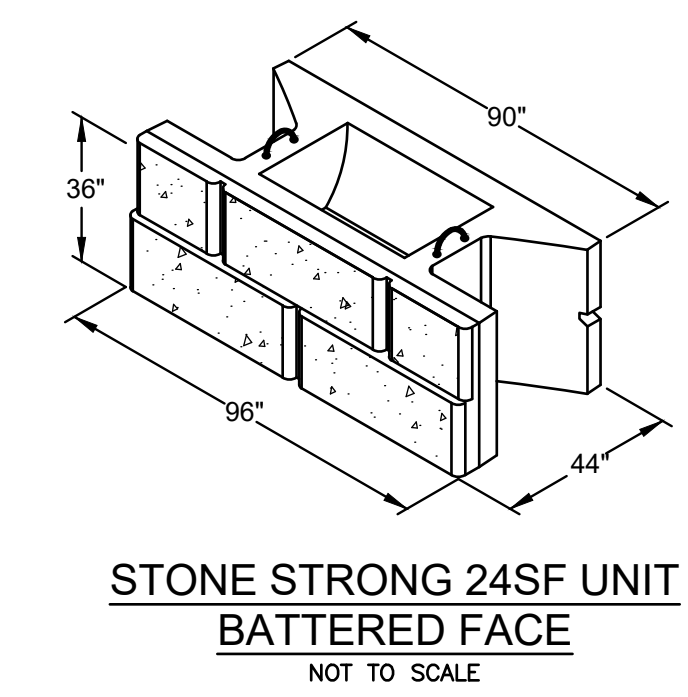
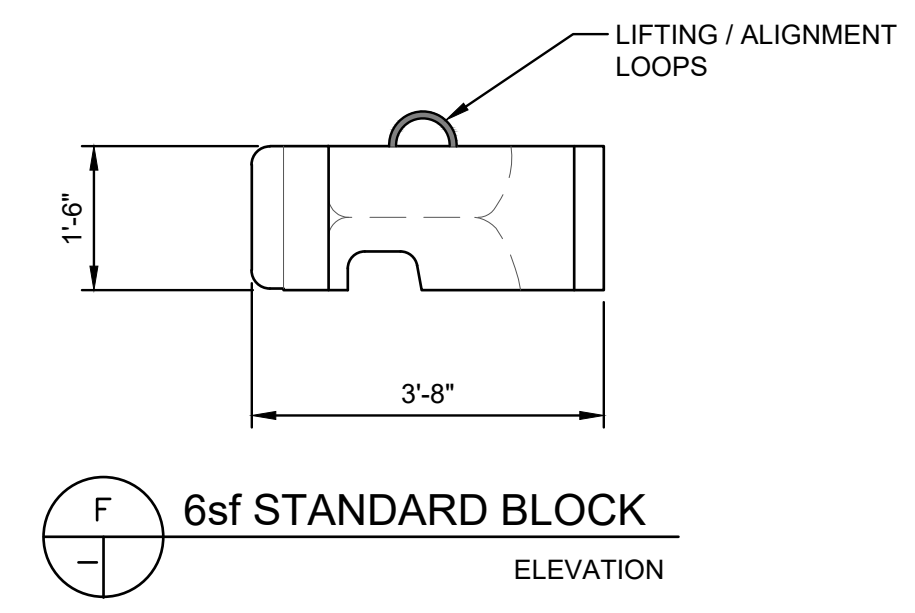
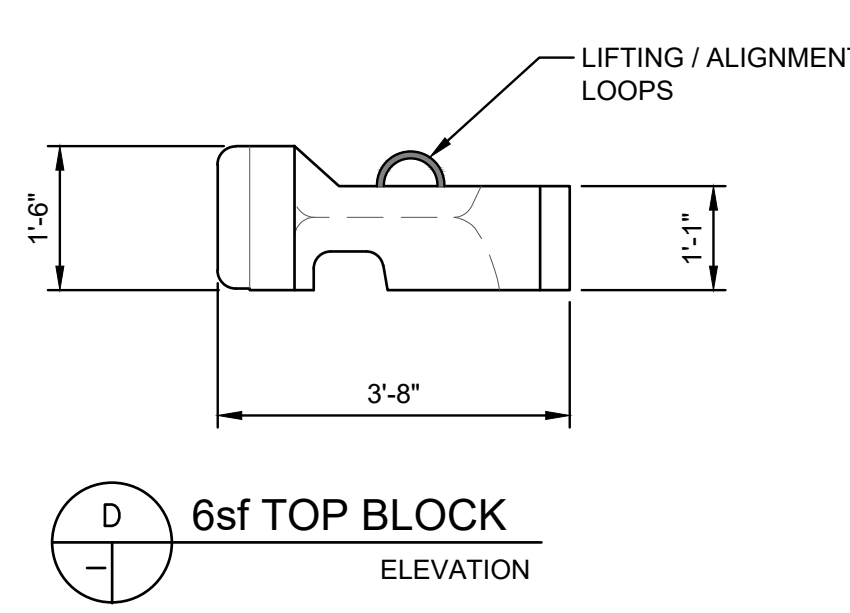
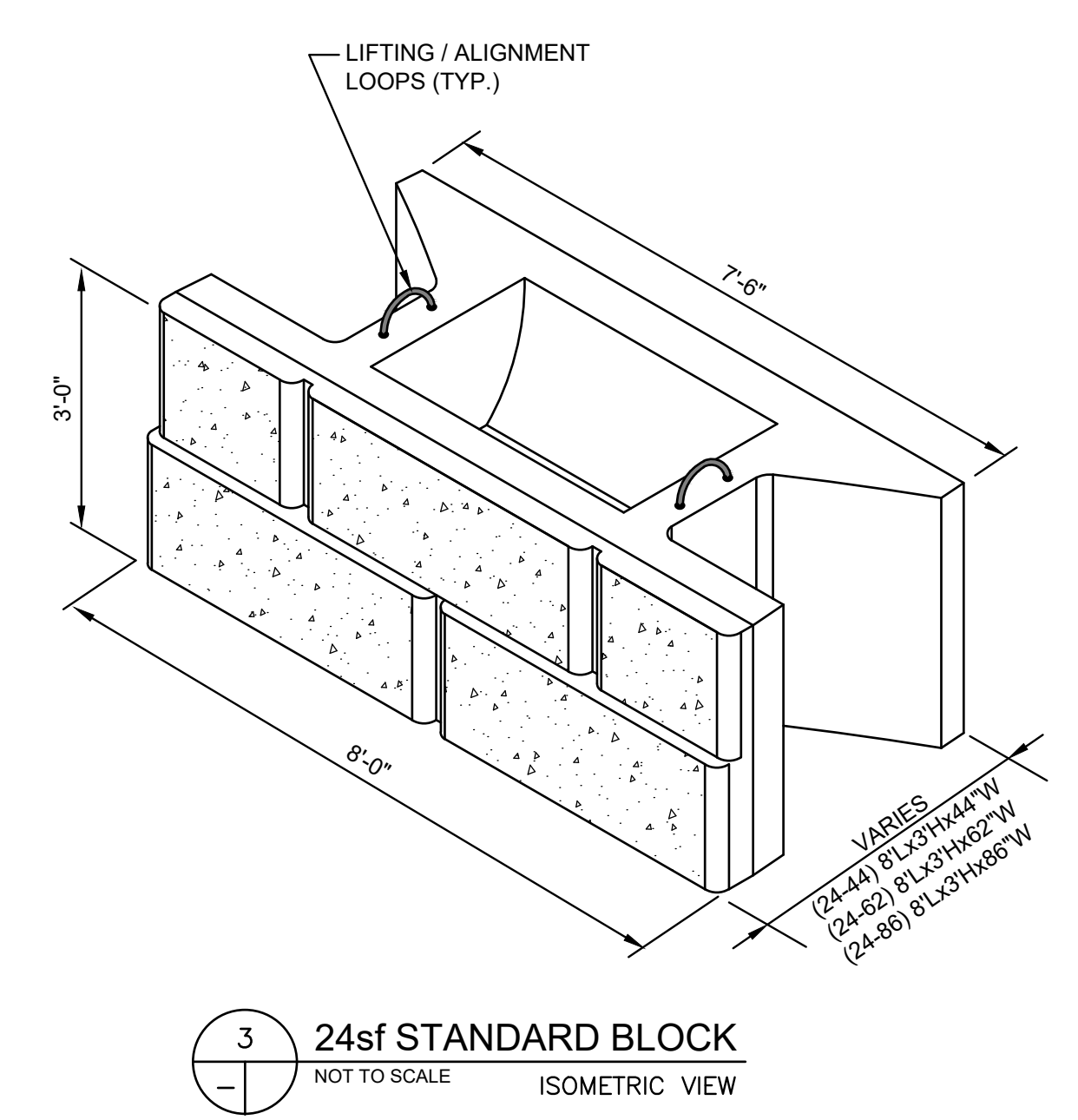
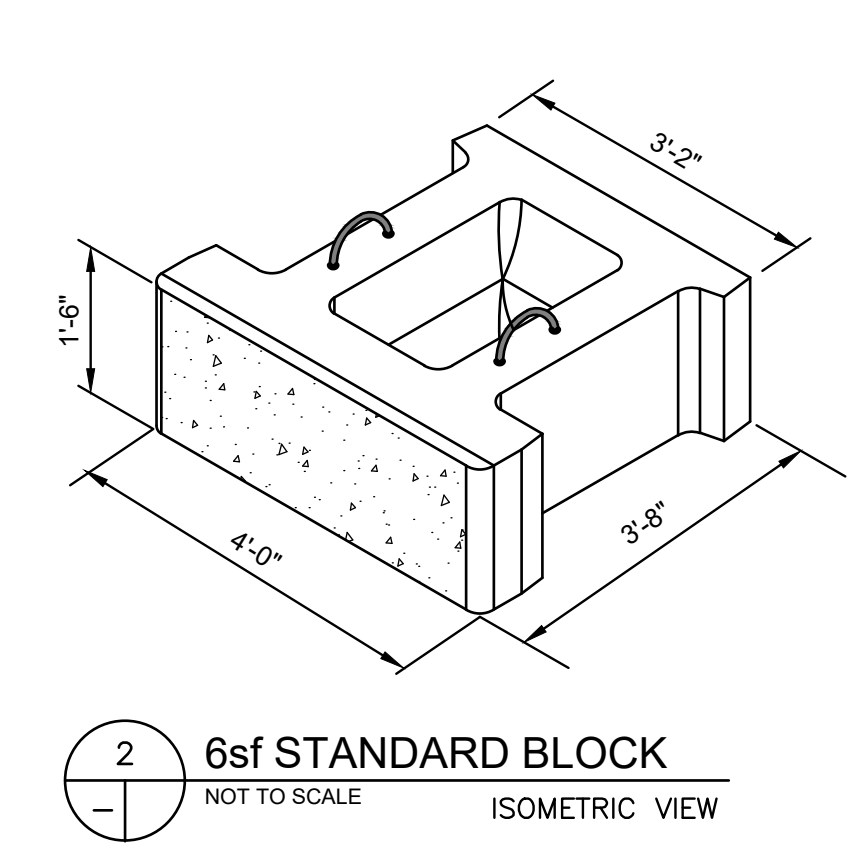
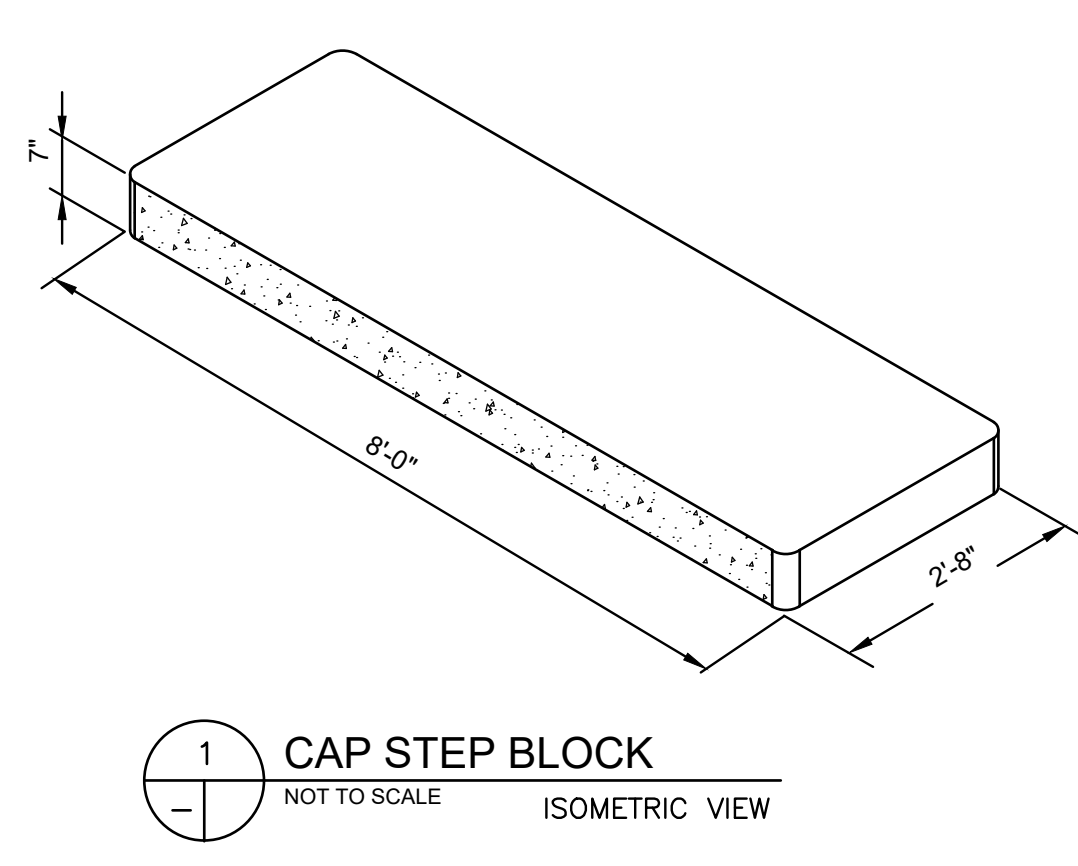
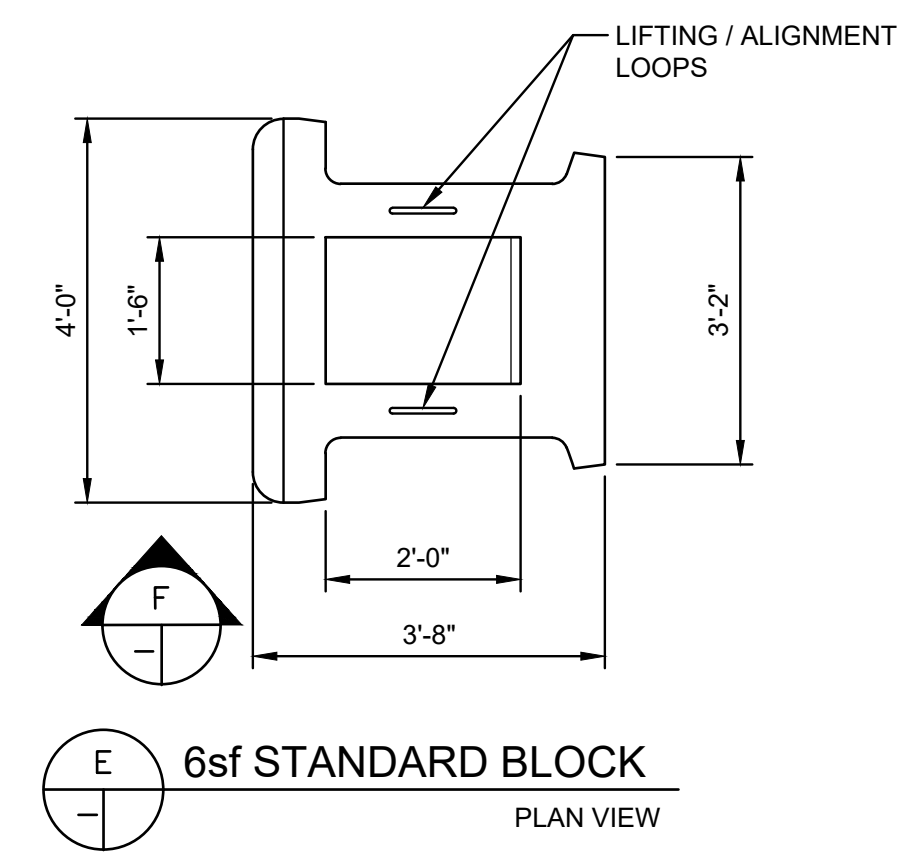
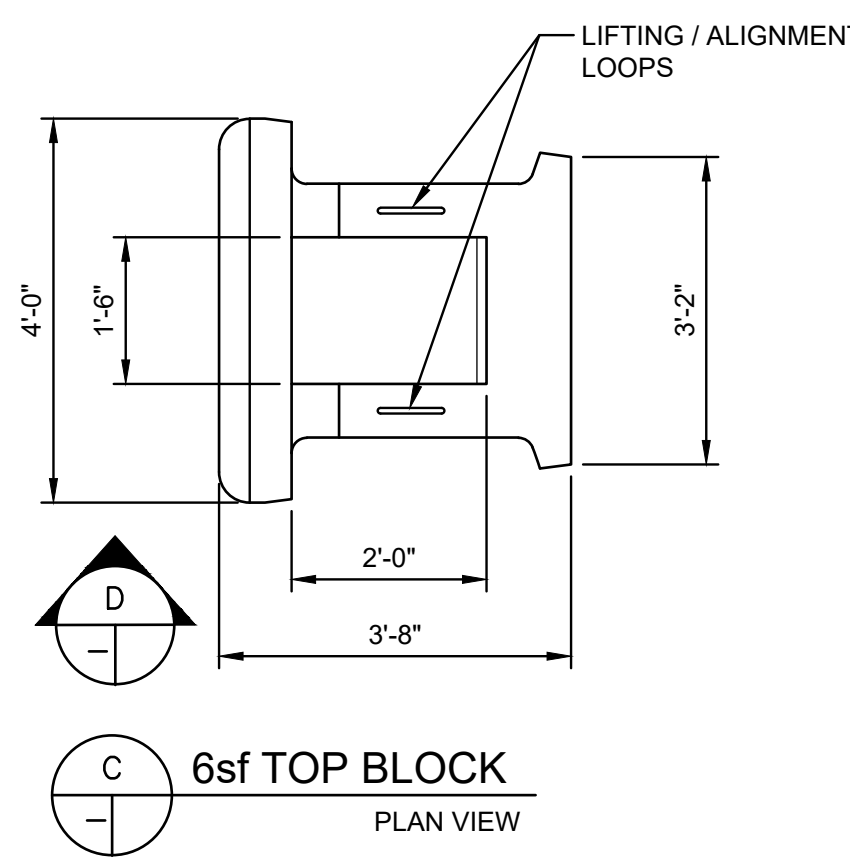
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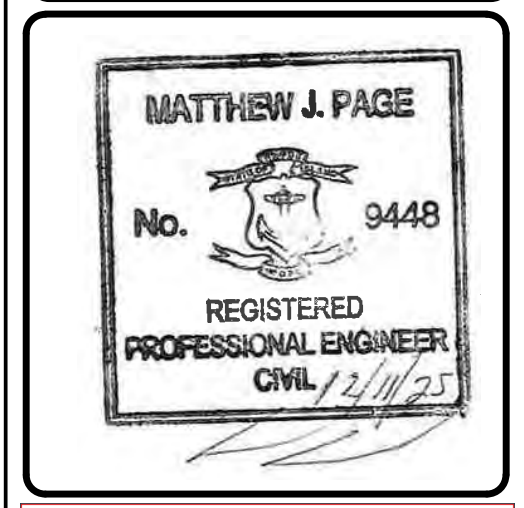
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NEWPORT CLIFF WALK REPAIR  
NEWPORT, RHODE ISLAND

**REPAIR DETAILS**



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NEWPORT, RHODE ISLAND

**STONE STRONG BLOCK DETAILS**