

TOWN OF WEYMOUTH

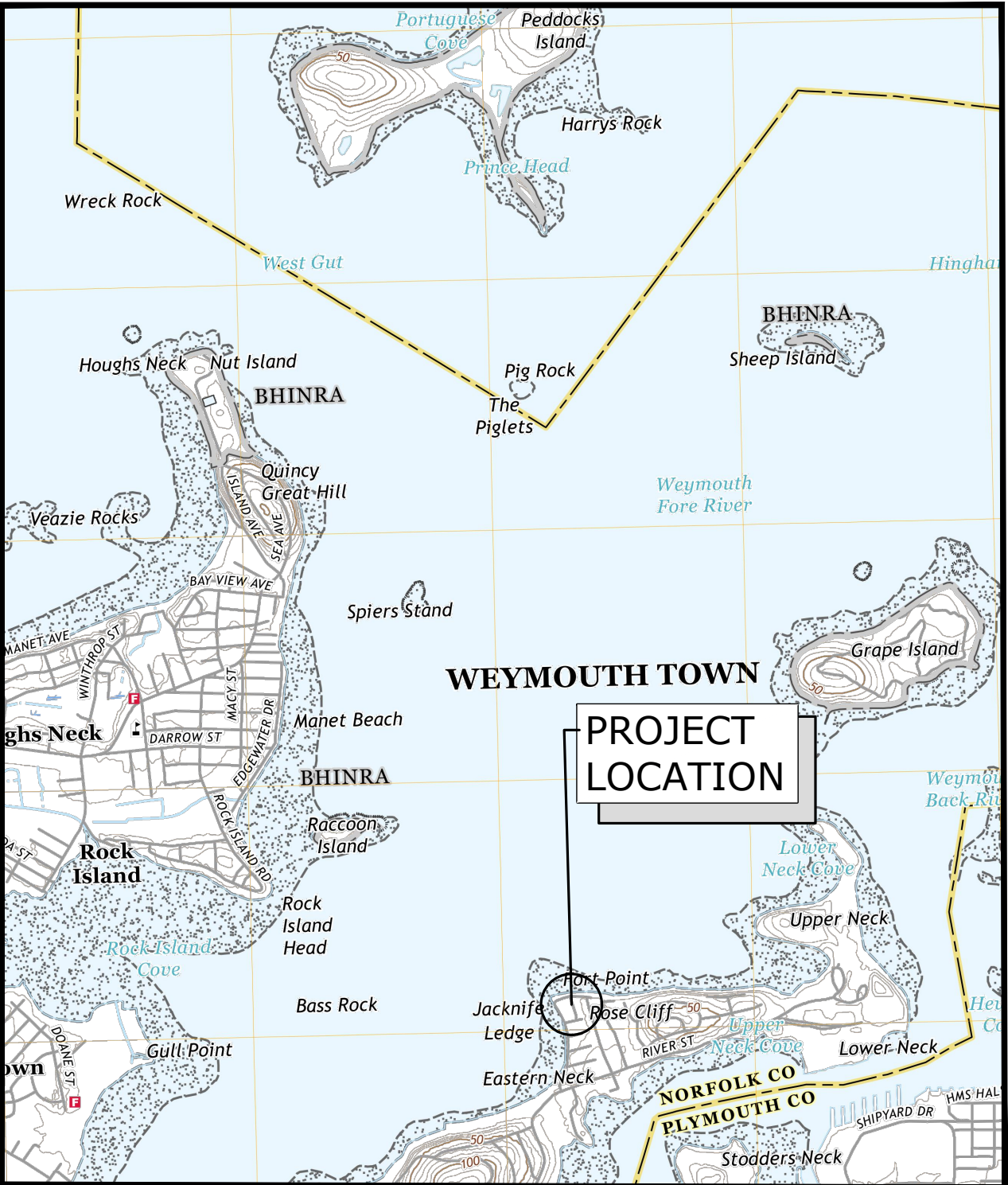
WEYMOUTH NECK INFRASTRUCTURE IMPROVEMENTS

PROJECT

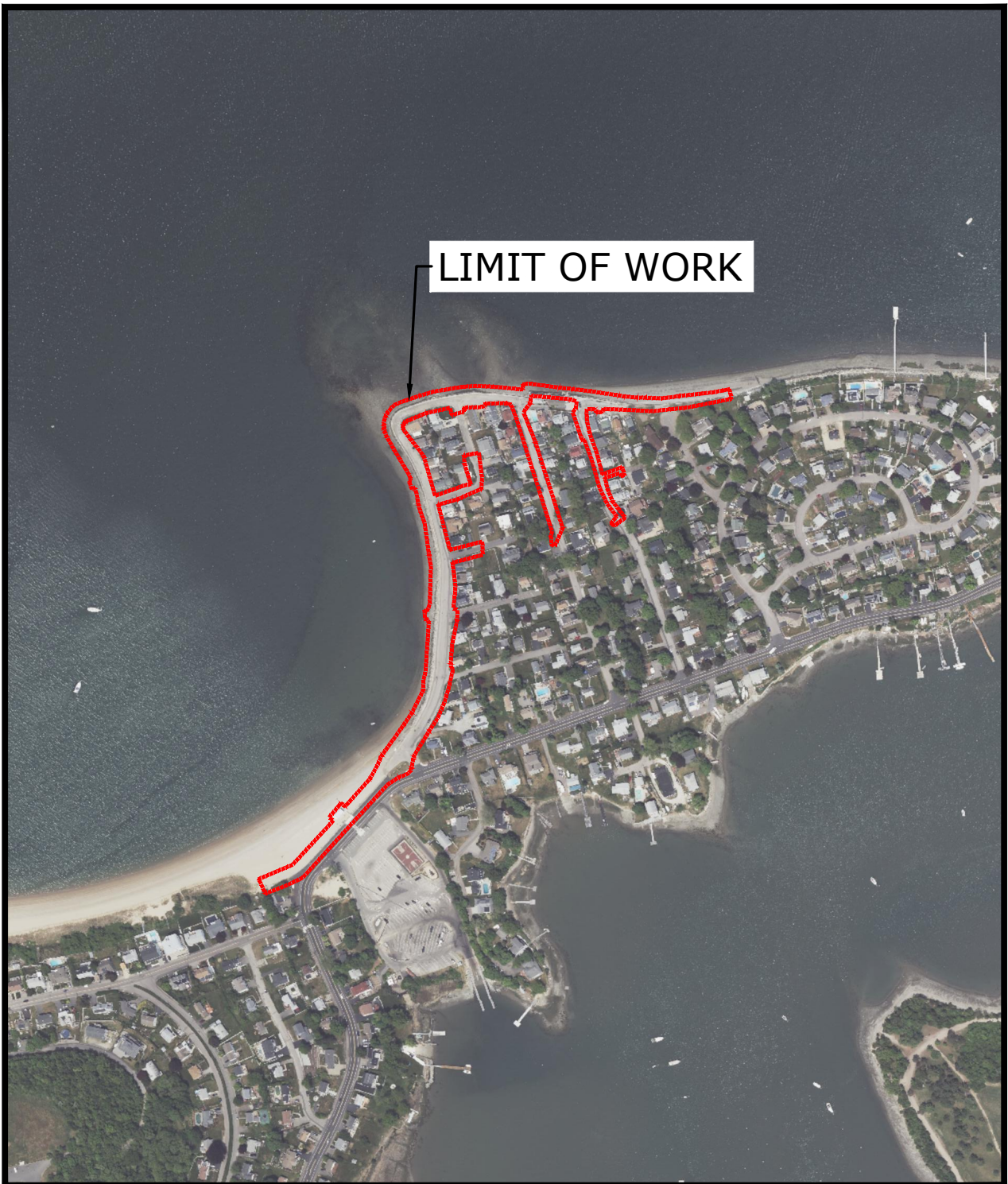
WEYMOUTH, MASSACHUSETTS

APRIL 2023

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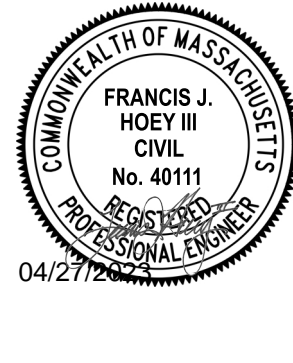
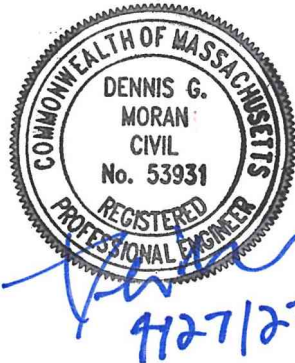


LOCATION MAP
SCALE: 1" = 2000'



LOCATION MAP
SCALE: 1" = 500'

PREPARED BY:
Tighe & Bond
www.tighebond.com



PREPARED FOR:
TOWN OF WEYMOUTH
75 MIDDLE STREET
WEYMOUTH, MA 02189



DEPARTMENT OF PUBLIC WORKS
120 WINTER STREET
WEYMOUTH, MA 02189

DPW DIRECTOR
KENAN CONNELL
TOWN ENGINEER
JAMES J. DONOVAN, PE

MAYOR
ROBERT L. HEDLUND

THIS PROJECT IS PARTIALLY
FUNDED BY THE EXECUTIVE
OFFICE OF ENERGY AND
ENVIRONMENTAL AFFAIRS



COMPLETE SET 75 SHEETS

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GENERAL NOTES

- THE CONTRACTOR SHALL BE SOLELY AND COMPLETELY RESPONSIBLE FOR THE CONDITIONS OF THE JOB SITE, INCLUDING THE SAFETY OF ALL PERSONS AND PROPERTY DURING THE PERFORMANCE OF THE WORK. SAFETY PROVISIONS SHALL COMPLY WITH LOCAL, STATE, AND FEDERAL LAWS AND REGULATIONS. THESE REQUIREMENTS SHALL APPLY CONTINUOUSLY AND SHALL NOT BE LIMITED TO NORMAL WORKING HOURS.
- THE CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS IN THE FIELD BEFORE ORDERING ANY MATERIALS, COMMENCING ANY FABRICATION, OR PERFORMING ANY WORK. THE CONTRACTOR SHALL NOTIFY THE ENGINEER, IN WRITING, OF ANY CONDITIONS OR DIMENSIONS WHICH VARY FROM THOSE SHOWN IN THE DRAWINGS AND INCORPORATE SUCH VARIATIONS IN THE CONSTRUCTION AS APPROVED BY THE ENGINEER.
- THE CONTRACTOR SHALL NOTIFY DIGSAFE AT 1-888-344-7233 AND OTHER UTILITY OWNERS IN THE AREA NOT ON THE DIGSAFE LIST AT LEAST 3 BUSINESS DAYS PRIOR TO ANY EXCAVATION, TRENCHING, ROCK REMOVAL, DEMOLITION, BORING, BACKFILLING, GRADING, LANDSCAPING, PILE DRIVING, DRILLING, OR ANY OTHER BELOW GRADE OPERATIONS.
- LOCATIONS OF EXISTING UTILITIES ARE APPROXIMATE. IN ADDITION, SOME UTILITIES MAY NOT BE SHOWN. DETERMINE THE EXACT LOCATION OF UTILITIES BY TEST PIT OR OTHER METHODS, AS NECESSARY TO PREVENT DAMAGE TO UTILITIES AND/OR INTERRUPTIONS IN UTILITY SERVICE. PERFORM TEST PIT EXCAVATIONS AND OTHER INVESTIGATIONS TO LOCATE UTILITIES, AND PROVIDE THIS INFORMATION TO THE ENGINEER, PRIOR TO CONSTRUCTING THE PROPOSED IMPROVEMENTS. LOCATE ALL EXISTING UTILITIES TO BE CROSSED BY HAND EXCAVATION.
- SHORE UTILITY TRENCHES WHERE FIELD CONDITIONS DICTATE AND/OR WHERE REQUIRED BY LOCAL, STATE AND FEDERAL HEALTH AND SAFETY CODES.
- NO OPEN TRENCHES WILL BE ALLOWED OVER NIGHT. THE USE OF ROAD PLATES TO PROTECT THE EXCAVATION WILL BE CONSIDERED UPON REQUEST, BUT BACKFILLING IS PREFERRED.
- MAINTAIN EMERGENCY ACCESS TO ALL PROPERTIES WITHIN THE PROJECT AREA AT ALL TIMES DURING CONSTRUCTION.
- ALL WORK SHALL BE PERFORMED IN THE DRY, UTILIZING LOW TIDES AND/OR CONTRACTOR DESIGNED TEMPORARY COFFERDAMS, WHICH MAY ALSO BE UTILIZED AS EROSION AND SEDIMENT CONTROLS. THE EXCAVATION BACK SLOPES SHALL BE PROTECTED BY A CONTRACTOR DESIGNED SUPPORT-OF-EXCAVATION AND THE BOTTOM OF EXCAVATION SHALL HAVE CRUSHED STONE STABILIZATION.
- OBTAIN, PAY FOR AND COMPLY WITH PERMITS, NOTICES AND FEES NECESSARY TO COMPLETE THE WORK. ARRANGE AND PAY FOR NECESSARY INSPECTIONS AND APPROVALS FROM THE JURISDICTIONAL AUTHORITIES.
- BOLD TEXT AND LINES INDICATE PROPOSED WORK. LIGHT TEXT AND LINES INDICATE APPROXIMATE EXISTING CONDITIONS.
- TIGHE & BOND ASSUMES NO RESPONSIBILITY FOR ANY ISSUES, LEGAL OR OTHERWISE, RESULTING FROM CHANGES MADE TO THESE DRAWINGS WITHOUT WRITTEN AUTHORIZATION FROM TIGHE & BOND.

EXISTING CONDITIONS NOTES

- EXISTING CONDITIONS BASED ON THE GROUND SURVEY BY ALPHA SURVEY GROUP, LLC ON NOVEMBER 29, 2018 AND JANUARY 7, 2019, AND GROUND SURVEY BY COASTAL ENGINEERING COMPANY ON NOVEMBER 11, 2022.
- VERTICAL DATUM BASED ON NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88)
- HORIZONTAL DATUM BASED ON MASSACHUSETTS STATE PLANE COORDINATE SYSTEM, REFERENCED TO NORTH AMERICAN DATUM OF 1983 (NAD83)
- TIDAL DATUMS ELEVATIONS SHOWN ARE BASED ON THE NATIONAL OCEANOGRAPHIC AND ATMOSPHERIC ADMINISTRATION (NOAA) TIDE STATION "WEYMOUTH FORE RIVER MA" #8444788 FOR THE 1983 TIDAL EPOCH.
- FLOOD ZONES SHOWN ARE APPROXIMATE FROM THE FEDERAL EMERGENCY MANAGEMENT ADMINISTRATION (FEMA) FLOOD INSURANCE RATE MAP (FIRM) #25021C0093E and #25021C0089F BASED ON FEMA SHAPE FILE DATA.
- THE FEDERAL EMERGENCY MANAGEMENT AGENCY (FEMA) DEPICTS THE ENTIRE PROJECT AREA WITHIN ZONES AE AND VE IN FLOOD MAPS 25021C0093E AND 25021C0089F DATED 7/12/2012 AND 6/9/2014, RESPECTIVELY. ZONE VE REPRESENTS COASTAL AREAS WITH A 1% OR GREATER CHANCE OF FLOODING AND AN ADDITIONAL HAZARD ASSOCIATED WITH STORM WAVES. ZONE AE REPRESENTS BASE FLOODPLAIN WHERE BASE FLOOD ELEVATIONS ARE PROVIDED, THE BASE ELEVATION IS 11-12 FEET IN ZONE AE AND 16-20 FEET IN ZONE VE (NAVD88). ACCORDINGLY, THE SITE IS REGULATED AS LAND SUBJECT TO COASTAL STORM FLOWAGE (LSCSF).
- PARCEL LINES SHOWN ARE FROM MASSGIS AND APPROXIMATE
- SEE REFERENCE PLANS FOR BENCHMARK INFORMATION.
- ELEVATIONS ARE GIVEN IN FEET.
- BASELINE STATIONING SHOWN ON PLANS BASED ON SEAWARD FACE OF SEAWALL BLOCKS.
- UTILITY LOCATIONS PROVIDED BY SURVEYOR AND ARE APPROXIMATE BASED ON FIELD SURVEY AND RECORD DRAWINGS/GIS DATA PROVIDED BY THE TOWN OF WEYMOUTH
- SALT MARSH AND RESOURCE AREAS DELINEATED BY TIGHE AND BOND INC. DURING FIELD VISITS ON NOVEMBER 29, 2018, JANUARY 7, 2019, AND NOVEMBER 3, 2022.

DATUM	ELEVATION
HTL	6.83'
MHHW	4.81'
MHW	4.37'
NAVD88	0.00'
MLW	-5.19'
MLLW	-5.52'

EROSION & SEDIMENT CONTROL AND RESOURCE AREA PROTECTION NOTES

- PROVIDE ALL EROSION AND SEDIMENT CONTROL MEASURES SHOWN, SPECIFIED, REQUIRED BY PERMIT, AND/OR REQUIRED BY THE ENGINEER PRIOR TO ANY CONSTRUCTION OR IMMEDIATELY UPON REQUEST. MAINTAIN SUCH CONTROL MEASURES UNTIL FINAL SURFACE TREATMENTS ARE IN PLACE. INSPECT AFTER EACH RAINSTORM AND DURING MAJOR STORM EVENTS TO CONFIRM THAT ALL SEDIMENTATION AND EROSION CONTROL MEASURES REQUIRED ARE IN PLACE AND EFFECTIVE.
- PRIOR TO STARTING WORK, CLEARLY MARK WORK LIMITS. DO NOT DISTURB THE AREA BEYOND THE PROPOSED LIMITS. COORDINATE WITH THE ENGINEER FOR LOCATIONS OF TEMPORARY STOCKPILING OF TOPSOIL DURING CONSTRUCTION.
- INSTALL SILT SACKS OR OTHER APPROVED SEDIMENTATION BARRIERS IN/AT ALL CATCH BASINS IN THE PROJECT AREA.
- REMOVE AND PROPERLY DISPOSE OF SILT TRAPPED AT BARRIERS IN UPLAND AREAS OUTSIDE BUFFER ZONES. REMOVE MATERIALS DEPOSITED IN ANY TEMPORARY SETTLING BASINS AT THE COMPLETION OF THE PROJECT. RESTORE ALL DISTURBED AREAS TO THEIR PRECONSTRUCTION CONDITION.
- SWEEP, COLLECT, REMOVE AND DISPOSE OF ANY SEDIMENT TRACKED ONTO PUBLIC RIGHT-OF-WAYS AT THE END OF EACH DAY.
- ALL HYDRAULIC EQUIPMENT SHALL UTILIZE BIODEGRADABLE, VEGETABLE BASED, NON-TOXIC AND NON-POLLUTING HYDRAULIC FLUID.
- STORE FUEL, OIL, PAINT, OR OTHER HAZARDOUS MATERIALS IN A SECONDARY CONTAINER AND REMOVE TO A SECURE LOCKED AND COVERED AREA DURING NON-WORK HOURS.
- PROVIDE A SUPPLY OF ABSORBENT SPILL RESPONSE MATERIALS SUCH AS BOOMS, BLANKETS, AND OIL ABSORBENT

MATERIALS AT THE CONSTRUCTION SITE AT ALL TIMES TO CLEAN UP POTENTIAL SPILLS OF HAZARDOUS MATERIALS. IMMEDIATELY REPORT SPILLS OF HAZARDOUS MATERIALS TO THE STATE ENVIRONMENTAL AGENCY AND THE MUNICIPALITY WHERE THE WORK IS OCCURRING.

DEWATERING, CONTROL, AND DIVERSION OF WATER

- COORDINATE WITH THESE DRAWINGS AND SECTION 02400, DEWATERING, CONTROL, AND DIVERSION OF WATER.
- WATER ELEVATIONS AT THE SITE ARE TIDAL AND ARE EXPECTED TO VARY.
- THE CONTRACTOR SHALL ROUTE ALL PUMPED WATER TO DEWATERING BASINS OR OTHER SUITABLE DEVICES (E.G., DEWATERING BAGS) PRIOR TO ALLOWING THE PUMPED WATER TO FLOW OVER LAND.

GENERAL EXECUTION NOTES

- IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO ENSURE THAT CONSTRUCTION ACTIVITIES PROCEED IN A SMOOTH LOGICAL SEQUENCE AND IN A MANNER THAT WILL NOT CAUSE ANY DAMAGE TO OR CREATE EXCESSIVE STRESS, LOADS, OR VIBRATIONS ON EXISTING OR PROPOSED STRUCTURES UTILITIES.
- THE CONTRACTOR SHALL PROVIDE ADEQUATE FENCING, BARRICADES, AND SIGNS TO ENSURE SAFETY.
- ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH ALL APPLICABLE FEDERAL AND STATE SAFETY REGULATIONS.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING A LEVEL AND STABLE SURFACE ON WHICH EQUIPMENT WILL OPERATE.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR DEVELOPING ITS OWN PICK/LIFT PROCEDURES INCLUDING, BUT NOT LIMITED TO SAFE PICKING RADII, LIFTING DEVICES, AND SLINGS.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE WEIGHT OF EACH PICK AND FOR ENSURING THE STABILITY OF EACH PICK DURING ALL PHASES OF WORK.
- THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO LOCATE AND PROTECT EXISTING UTILITIES IN THE AREA AS REQUIRED. OVERHEAD POWER LINES ADJACENT TO WORK AREAS ARE TO BE SHUT DOWN DURING OPERATIONS WHEN THE CONTRACTOR BELIEVES THEY MAY INTERFERE, OR ARE TOO CLOSE TO THE WORK. WHEN POWER LINES IN THE WORK AREA CAN NOT BE DEENERGIZED, THE CONTRACTOR SHALL MAINTAIN A SAFE DISTANCE AS DETERMINED BY FEDERAL AND STATE SAFETY REGULATIONS. ALL UTILITIES SHALL BE LOCATED AND MARKED IN ACCORDANCE WITH ALL APPLICABLE FEDERAL AND STATE SAFETY STANDARDS.

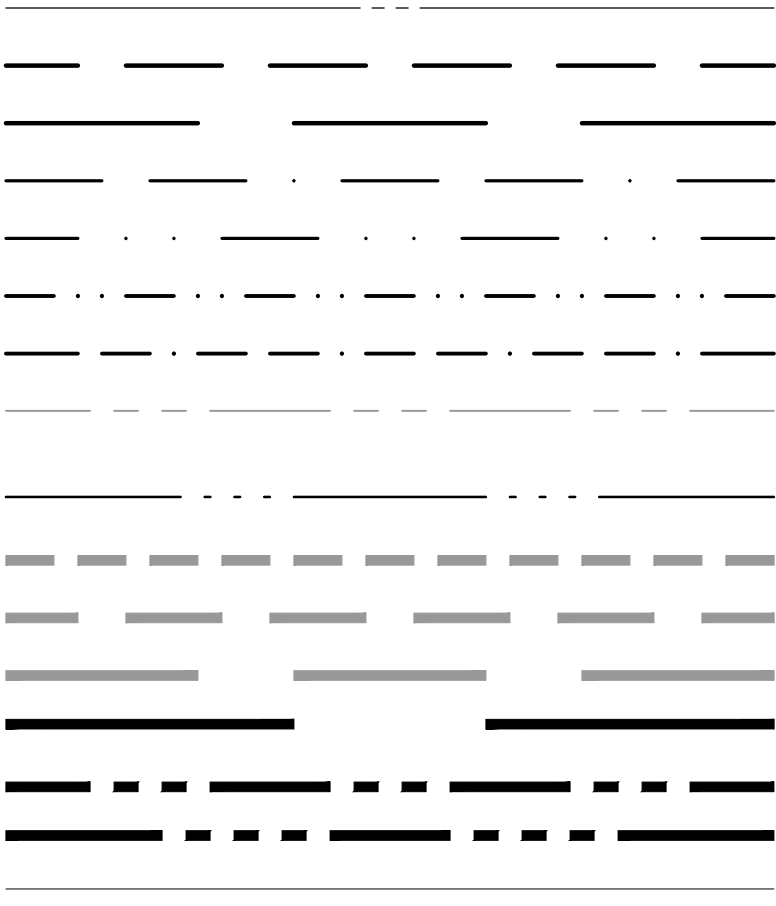
SURFACE RESTORATION NOTES

- ALL PAVEMENT DAMAGED BY THE CONTRACTOR'S OPERATIONS SHALL BE REPLACED IN ACCORDANCE WITH THE CONTRACT DOCUMENTS.
- PROTECT PROJECT FEATURES (E.G., WALLS, FENCES, SIGNS, SIDEWALKS, CURBING, STAIRS, WALKWAYS, ETC.) FROM DAMAGE DURING CONSTRUCTION, INCLUDING PROVIDING TEMPORARY SUPPORTS, WHEN APPROPRIATE.
- IF REMOVAL OF PROJECT FEATURES IS REQUIRED IN ORDER TO PERFORM THE PROPOSED WORK, REMOVE THOSE SITE FEATURES ONLY UPON APPROVAL OF THE ENGINEER. REPLACE ALL REMOVED PROJECT FEATURES; NEW ITEMS SHALL BE EQUAL OR BETTER IN QUALITY AND CONDITION TO THE ITEMS REMOVED.
- EXISTING SURVEY MONUMENTS DISTURBED BY THE CONTRACTOR SHALL BE REPLACED BY A LAND SURVEYOR LICENSED IN MASSACHUSETTS AT NO ADDITIONAL COST TO THE OWNER.
- COORDINATE THE ADJUSTMENT OF EXISTING UTILITY STRUCTURES WITH EACH RESPONSIBLE UTILITY OWNER PRIOR TO RECONSTRUCTION AND/OR PAVING OPERATIONS. RAISE ALL STRUCTURES TO FINISHED GRADES PRIOR TO THE END OF THE CONSTRUCTION SEASON AND PRIOR TO FINISHED PAVING.
- TRANSFER ALL TEMPORARY BENCHMARKS, AS NECESSARY.
- RESTORE ALL AREAS DISTURBED BY THE CONTRACTOR BEYOND THE PAYLINE LIMITS TO ORIGINAL CONDITIONS AT NO ADDITIONAL COST TO THE OWNER.
- REGRADE ALL UNPAVED AREAS DISTURBED BY THE WORK AS REQUIRED. REPAIR/REPLACE PAVED SURFACES DISTURBED BY THE WORK IN-KIND, UNLESS OTHERWISE NOTED. RESTORE SURFACES TO EXISTING OR PROPOSED CONDITIONS AS INDICATED ON THE DRAWINGS.

ABBREVIATIONS

CB	CATCHBASIN
CMP	CORRUGATED METAL PIPE
CONC	CONCRETE
CPP	CORRUGATED PLASTIC PIPE
DMH	DRAIN MANHOLE
DYCL	DOUBLE YELLOW CENTER LINE
FFE	FINISHED FLOOR ELEVATION
FW	FACE OF WALL
G	GROUND
HTL	HIGH TIDE LINE
HSE	HOUSE
INV	INVERT
MHHW	MEAN HIGHER HIGH WATER
MHW	MEAN HIGH WATER
MLLW	MEAN LOWER LOW WATER
MLW	MEAN LOW WATER
OF	OUTFALL
PVC	POLYVINYL CHLORIDE
SMH	SEWER MANHOLE
STRY	STORY
TR	TOP OF REVETMENT
TS	TOP OF SLAB
TW	TOP OF WALL
TBR	TO BE REMOVED
STA	STATION
PCB	PROPOSED CATCHBASIN
PDMH	PROPOSED DRAIN MANHOLE
R&D	REMOVE AND DISPOSE
R&R	REMOVE AND RECONSTRUCT
R&S	REMOVE AND SAVE
VGC	VERTICAL GRANITE CURB
RCP	REINFORCED CONCRETE PIPE
GV	GAS VALVE
WV	WATER VALVE
CCB	CAPE COD BERM

LEGEND



APPROXIMATE PARCEL LINE
TOP OF COASTAL DUNE
TOP OF COASTAL BANK
MEAN LOWER LOW WATER
MEAN LOW WATER
MEAN HIGH WATER
HIGH TIDE LINE
LAND SUBJECT TO COASTAL STORM FLOWAGE (LSCSF) - FEMA VE AND AE ZONES
WRACK LINE
25-FOOT BUFFER ZONE (LOCAL)
50-FOOT RESOURCE AREA BUFFER
100-FOOT BUFFER ZONE
LIMIT OF WORK
RIGHT OF WAY
EASEMENT
BUILDING
EXISTING EDGE OF GRAVEL ROAD
EXISTING OVERHEAD ELECTRIC LINE
EXISTING GAS LINE
EXISTING WATER LINE
EXISTING SANITARY SEWER LINE
EXISTING DRAIN LINE
EXISTING FENCE
EXISTING VINYL FENCE
WRACK LINE
PROPOSED SAWCUT LINE
EXISTING 1' CONTOUR LINE
EXISTING 5' CONTOUR LINE
PROPOSED 1' CONTOUR LINE
PROPOSED 5' CONTOUR LINE

SALT MARSH

EXISTING REVETMENT

EXISTING CONCRETE

EXISTING SEWER MANHOLE

EXISTING CATCH BASIN

EXISTING DRAIN MANHOLE

EXISTING UTILITY POLE

EXISTING GAS GATE

EXISTING GAS SHUT OFF

EXISTING WATER SHUT OFF

EXISTING HYDRANT

PROPOSED TEMPORARY SHEET PILING

PROPOSED DRAIN LINE

PROPOSED SEAWALL

APPROXIMATE LIMIT OF PROPOSED PAVEMENT SECTION

NATURAL SAND BERM

PROPOSED GRAVEL SECTION

APPROXIMATE LIMIT OF PROPOSED REVETMENT

PROPOSED CONCRETE

PROPOSED CONSTRUCTION LAYDOWN AND STAGING AREA

PROPOSED CATCH BASIN

PROPOSED 5' DOUBLE CATCH BASIN

PROPOSED 4' DRAIN MANHOLE

PROPOSED 5' DRAIN MANHOLE

PROPOSED INLET PROTECTION BARRIER

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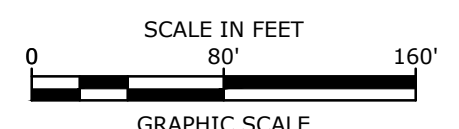
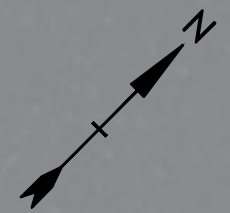
Weymouth
Neck
Infrastructure
Improvements
Project

Town of
Weymouth, MA

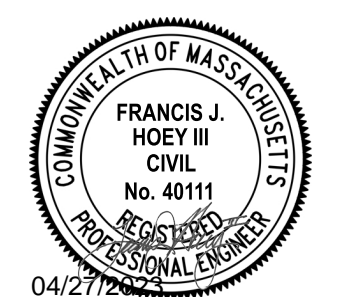
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DRAWN BY:	TAL/MKF/CJK	
CHECKED:	DGM	
APPROVED:	FJH	
GENERAL NOTES AND LEGEND		
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G.001		

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Weymouth Neck Infrastructure Improvements Project

Town of Weymouth, MA

Weymouth, Massachusetts

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LOCATION KEY PLAN

SCALE: AS SHOWN

G.002

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**Weymouth Neck
Infrastructure
Improvements
Project**

Town of
Weymouth, MA

Weymouth,
Massachusetts

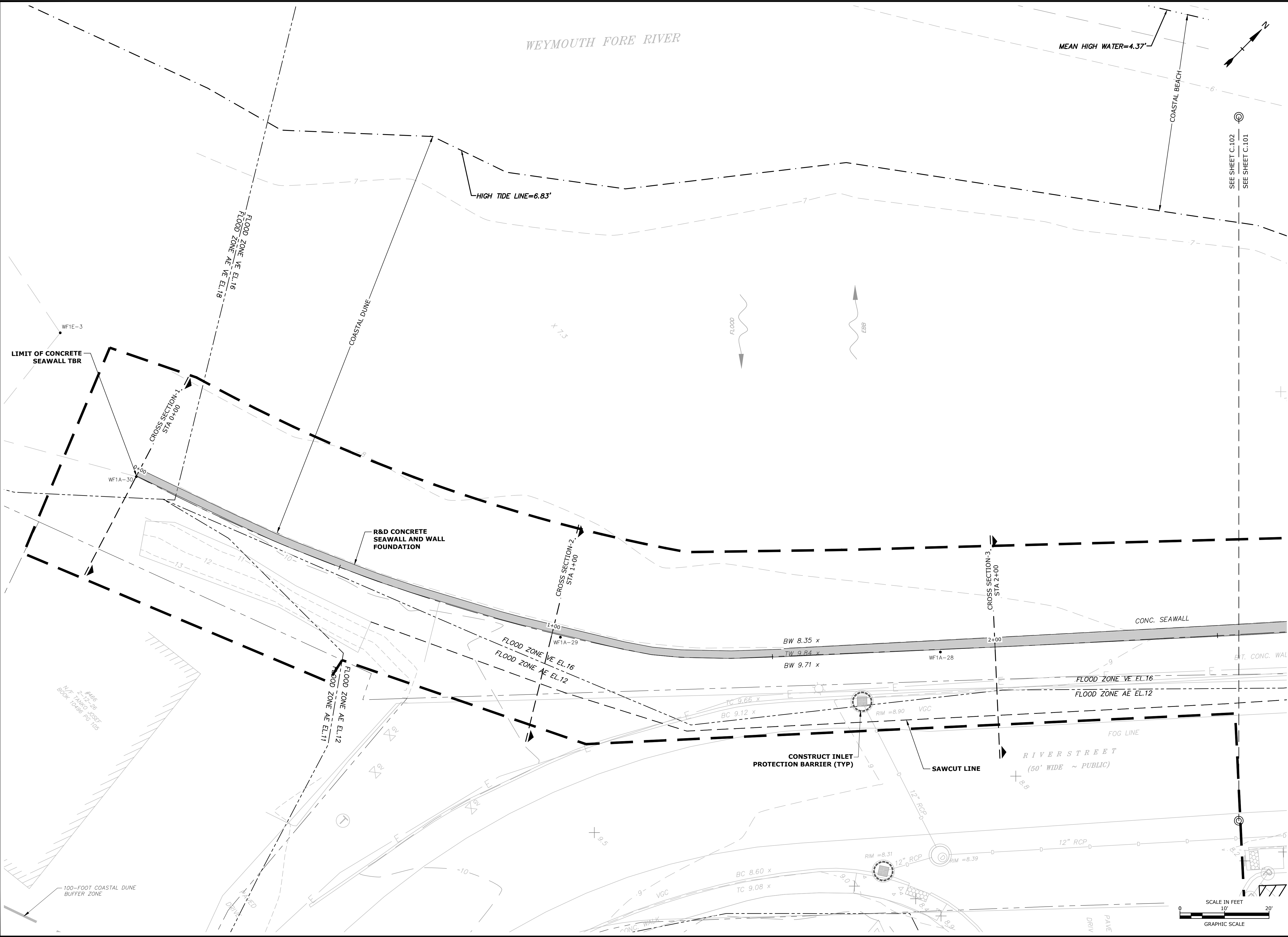
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**CROSS SECTION
LAYOUT AND KEY PLAN**

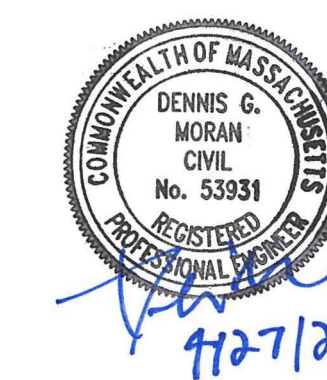
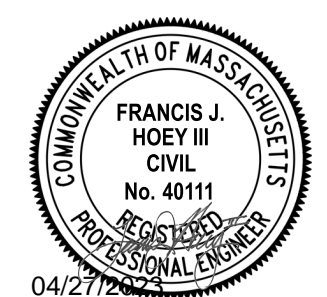
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Weymouth Neck Infrastructure Improvements Project

Town of Weymouth, MA

Weymouth, Massachusetts

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EXISTING CONDITIONS & DEMOLITION PLAN

SCALE: AS SHOWN

C.101

Weymouth,
Massachusetts

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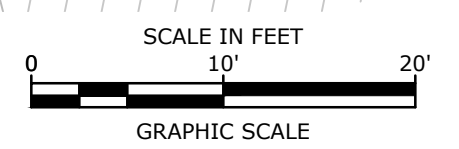
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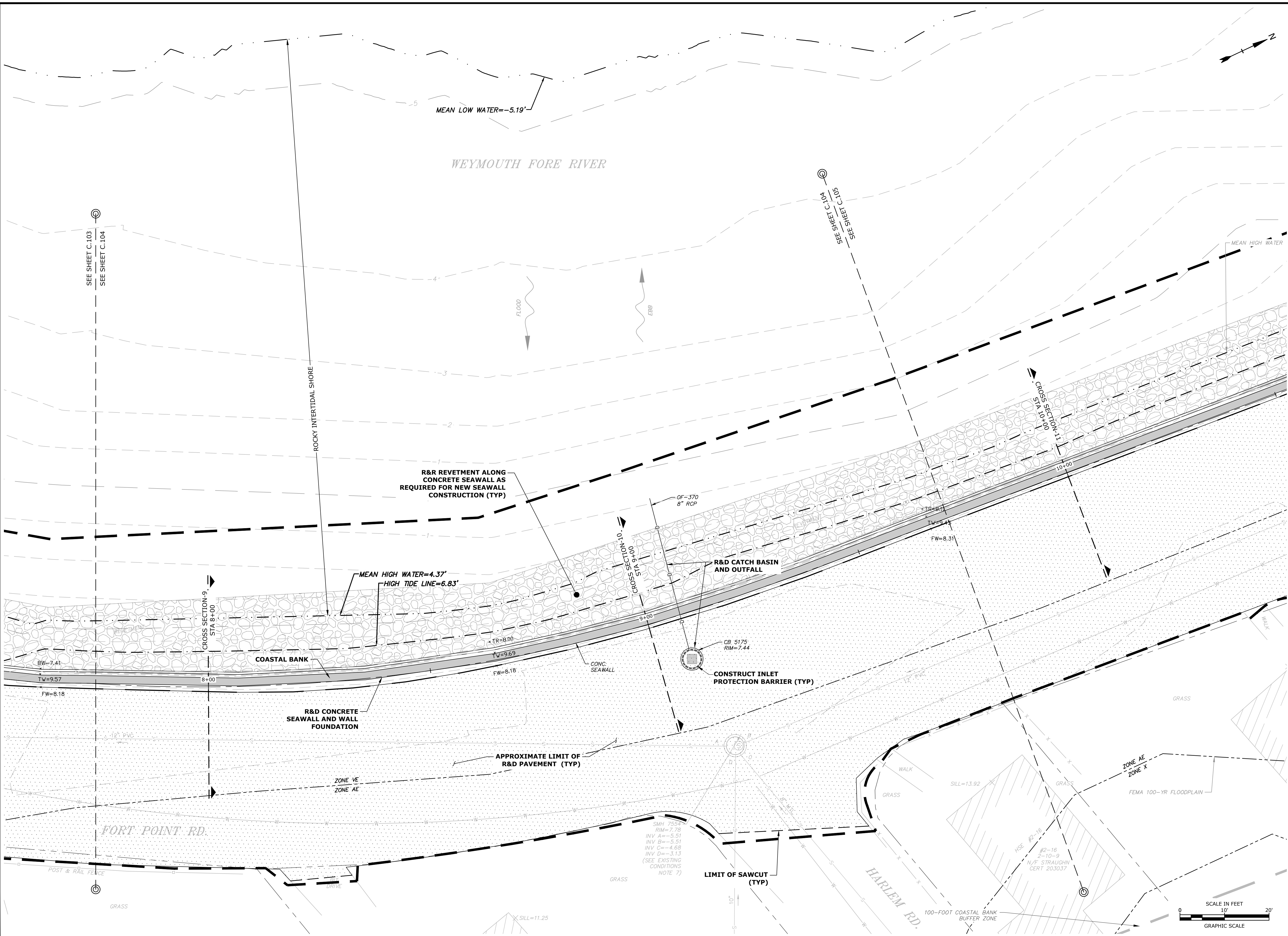
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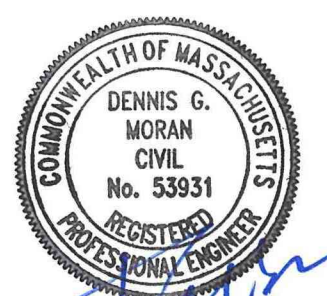
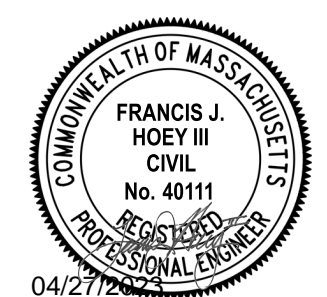
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Town of Weymouth, MA

Weymouth, Massachusetts

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APPROVED:	FJH	

EXISTING CONDITIONS & DEMOLITION PLAN

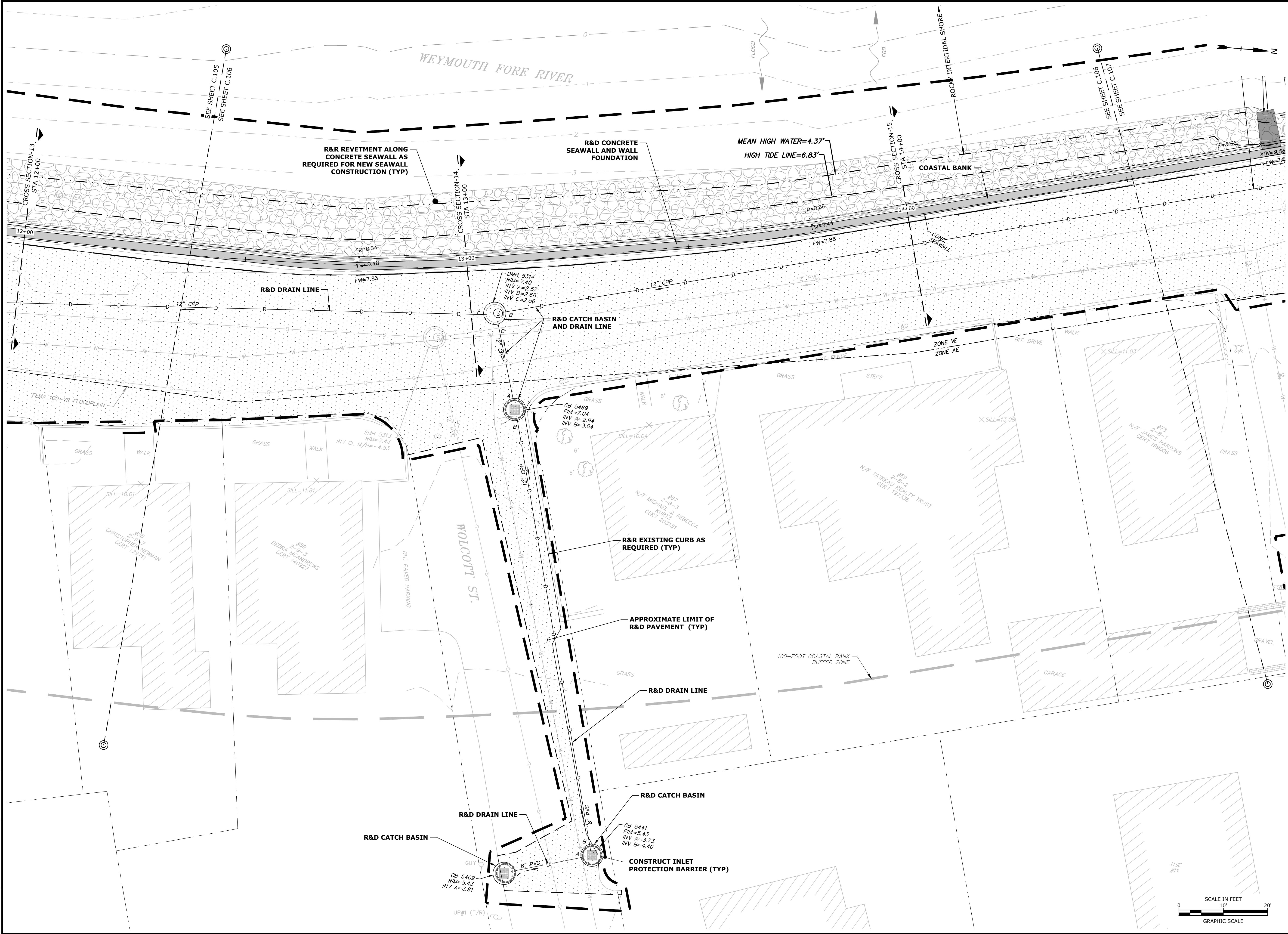
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C.104

Weymouth,
Massachusetts

C.105





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Weymouth Neck
Infrastructure
Improvements
Project

Town of
Weymouth, MA

Weymouth,
Massachusetts

MARK	DATE	DESCRIPTION

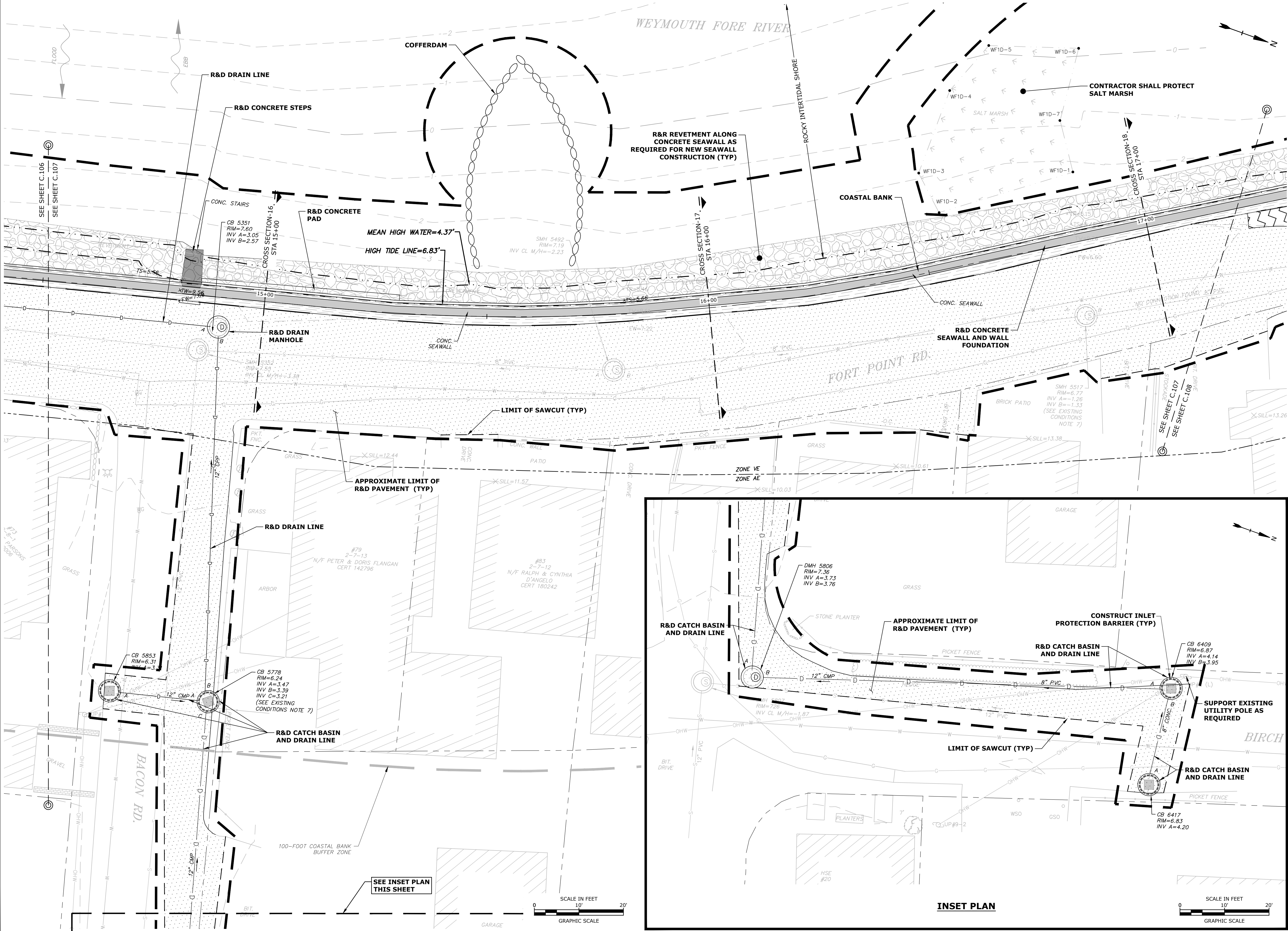
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EXISTING CONDITIONS
& DEMOLITION PLAN

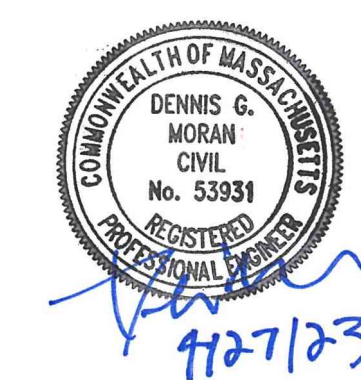
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Tighe&Bond



PERMIT SET
NOT FOR CONSTRUCTION

Weymouth Neck Infrastructure Improvements Project

Town of Weymouth, MA

Weymouth, Massachusetts

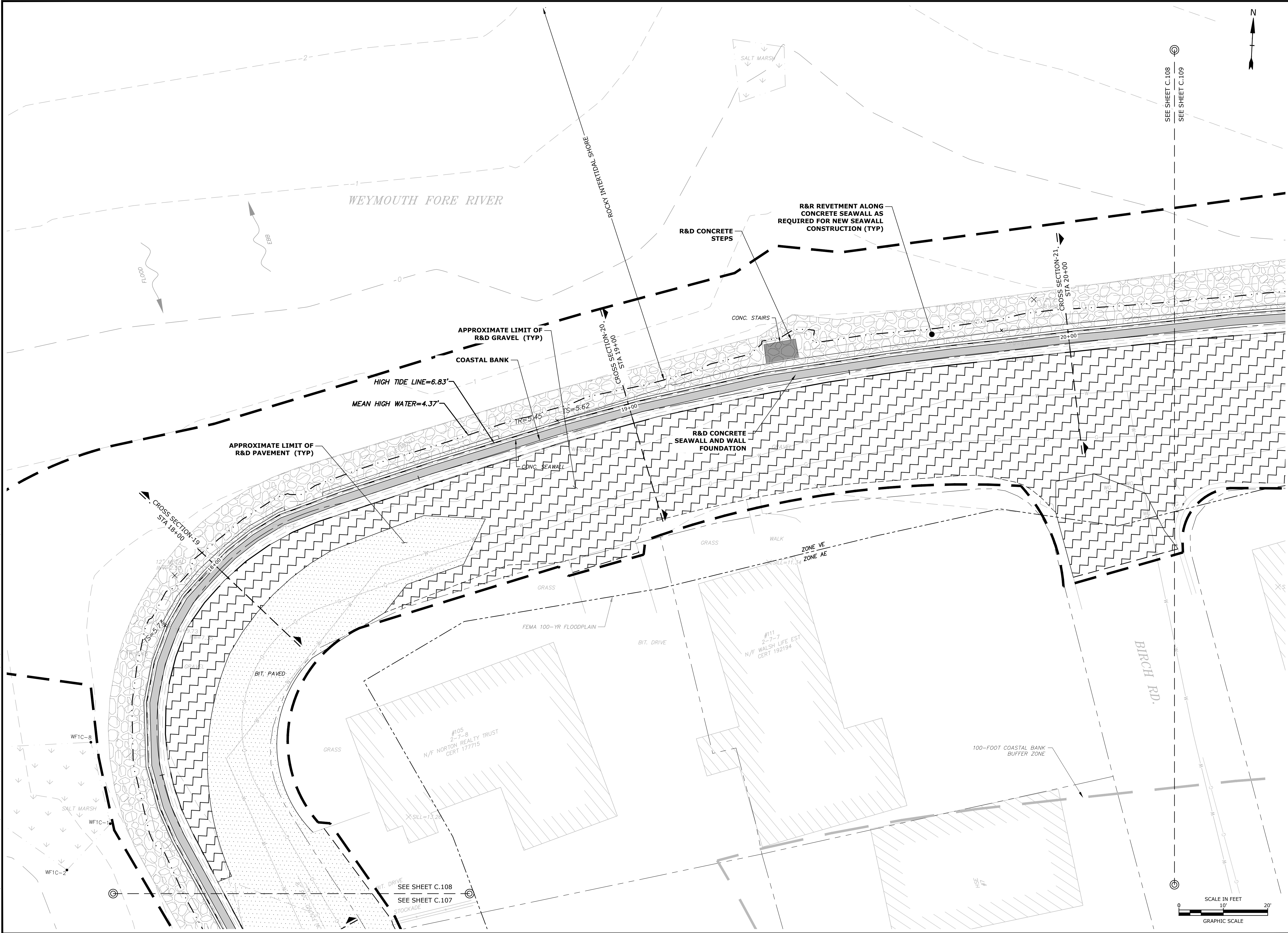
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PROJECT NO:	W2176-005A	
DATE:	January 3, 2023	
FILE:	W2176-005A-C-DSGN.dwg	
DRAWN BY:	TAL/MKF/CJK	
CHECKED:	DGM	
APPROVED:	FJH	

EXISTING CONDITIONS & DEMOLITION PLAN

SCALE: AS SHOWN

C.107

Last Saved: 4/26/2023 9:42pm By: Tlabbe
Printed On: Apr 26, 2023 9:42pm
File & Print: W:\Projects\W2176 Weymouth\005A-FPR-Coastal-IMP\Drawings-Figures\AutoCAD\Sheet\W2176-005A-C-DSGN.dwg



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4/27/23

PERMIT SET
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Weymouth
Neck
Infrastructure
Improvements
Project

Town of
Weymouth, MA

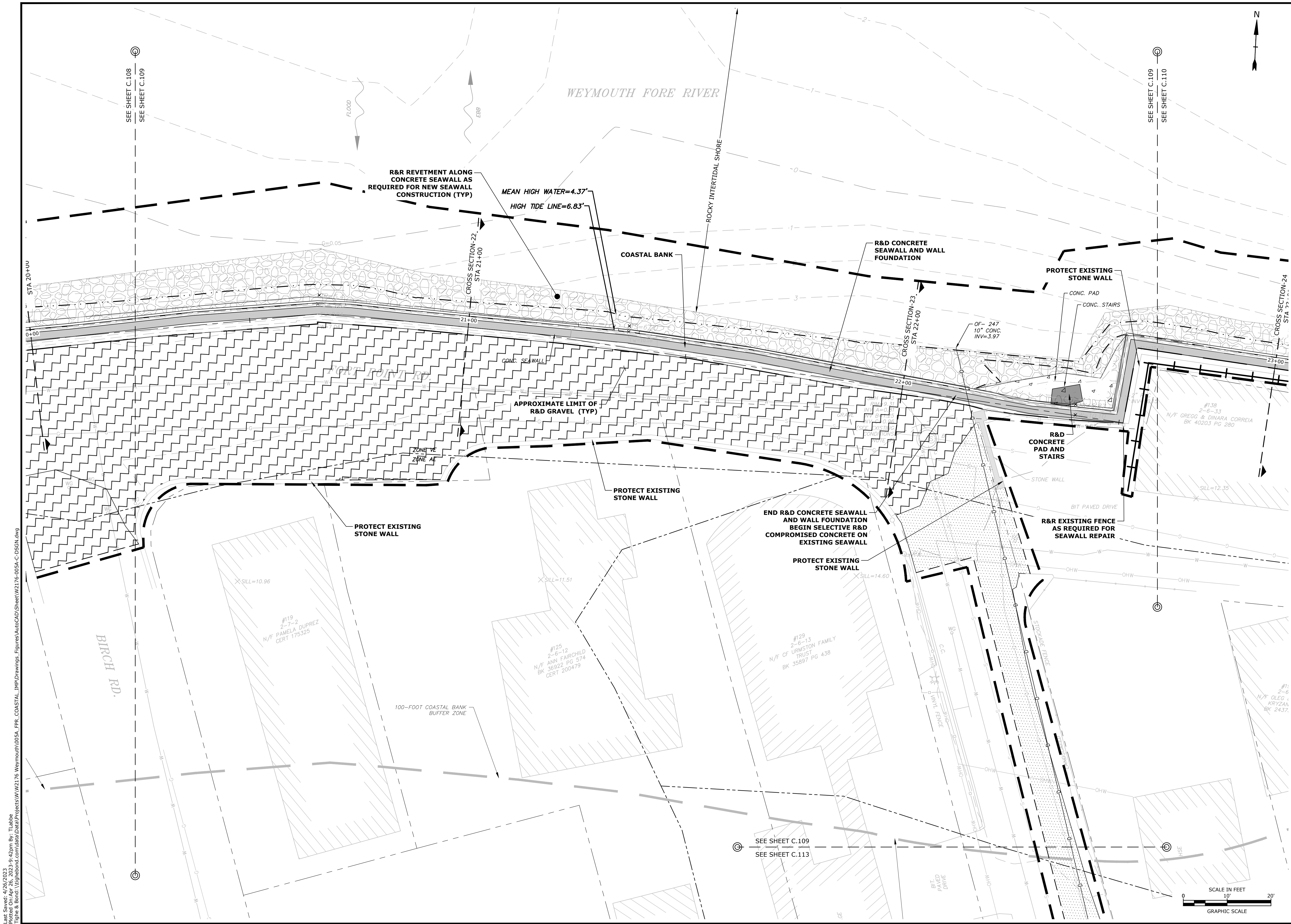
Weymouth,
Massachusetts

MARK	DATE	DESCRIPTION
PROJECT NO:	W2176-005A	
DATE:	January 3, 2023	
FILE:	W2176-005A-C-DSGN.dwg	
DRAWN BY:	TAL/MKF/CJK	
CHECKED:	DGM	
APPROVED:	FJH	

EXISTING CONDITIONS
& DEMOLITION PLAN

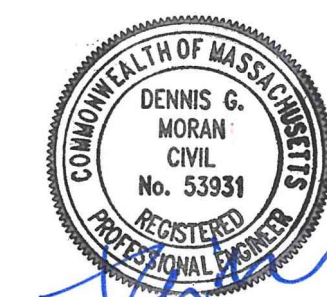
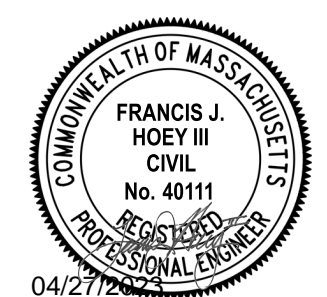
SCALE: AS SHOWN

C.108



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Printed On: Apr 26, 2023 9:42pm
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Weymouth Neck Infrastructure Improvements Project

Town of Weymouth, MA

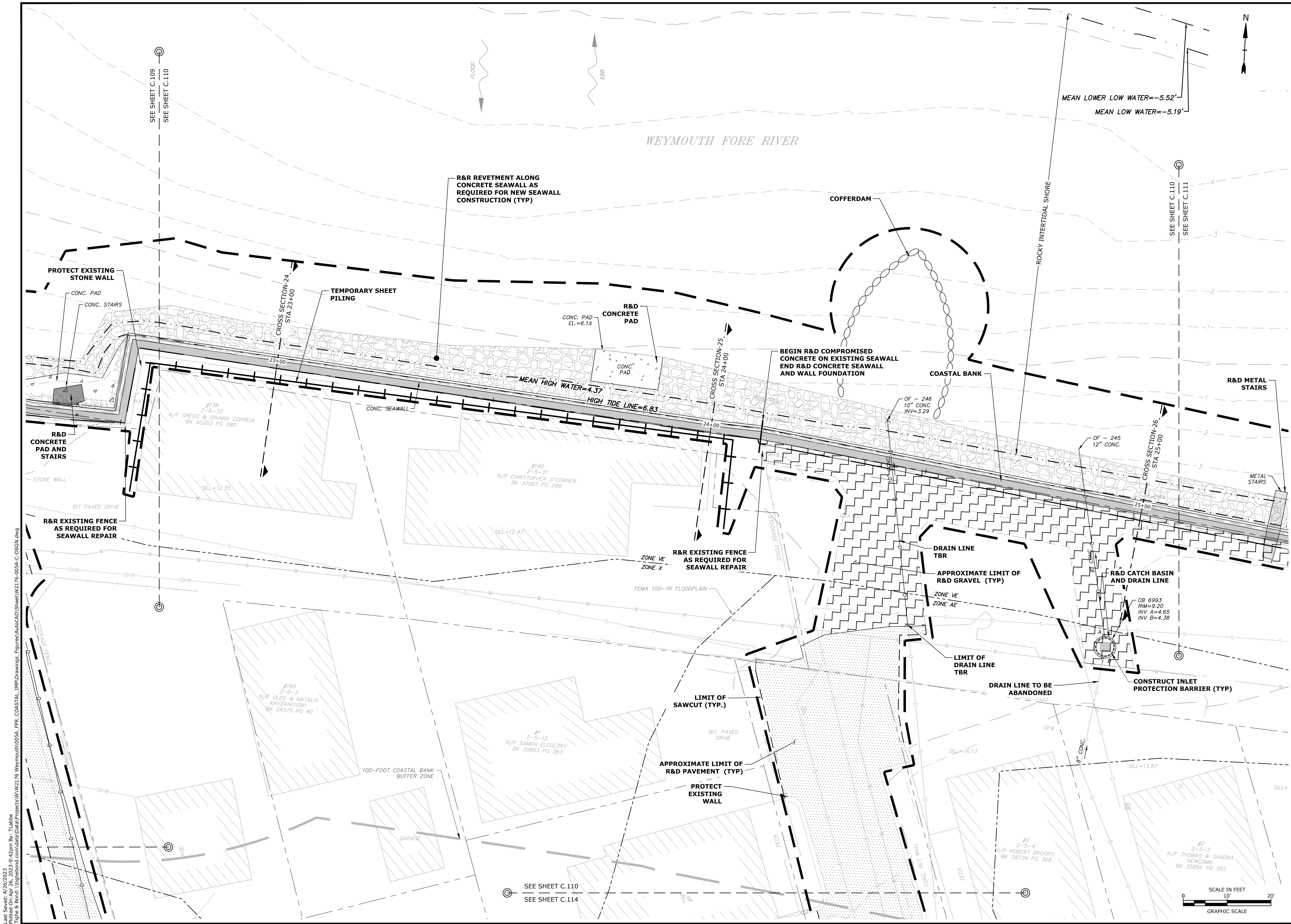
Weymouth, Massachusetts

MARK	DATE	DESCRIPTION
PROJECT NO:	W2176-005A	
DATE:	January 3, 2023	
FILE:	W2176-005A-C-DSGN.dwg	
DRAWN BY:	TAL/MKF/CJK	
CHECKED:	DGM	
APPROVED:	FJH	

EXISTING CONDITIONS & DEMOLITION PLAN

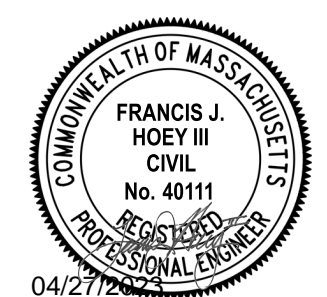
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C.109



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Weymouth Neck Infrastructure Improvements Project

Town of Weymouth, MA

Weymouth, Massachusetts

MARK	DATE	DESCRIPTION
PROJECT NO:	W2176-005A	
DATE:	January 3, 2023	
FILE:	W2176-005A-C-DSGN.dwg	
DRAWN BY:	TAL/MKF/CJK	
CHECKED:	DGM	
APPROVED:	FJH	

EXISTING CONDITIONS & DEMOLITION PLAN

SCALE: AS SHOWN

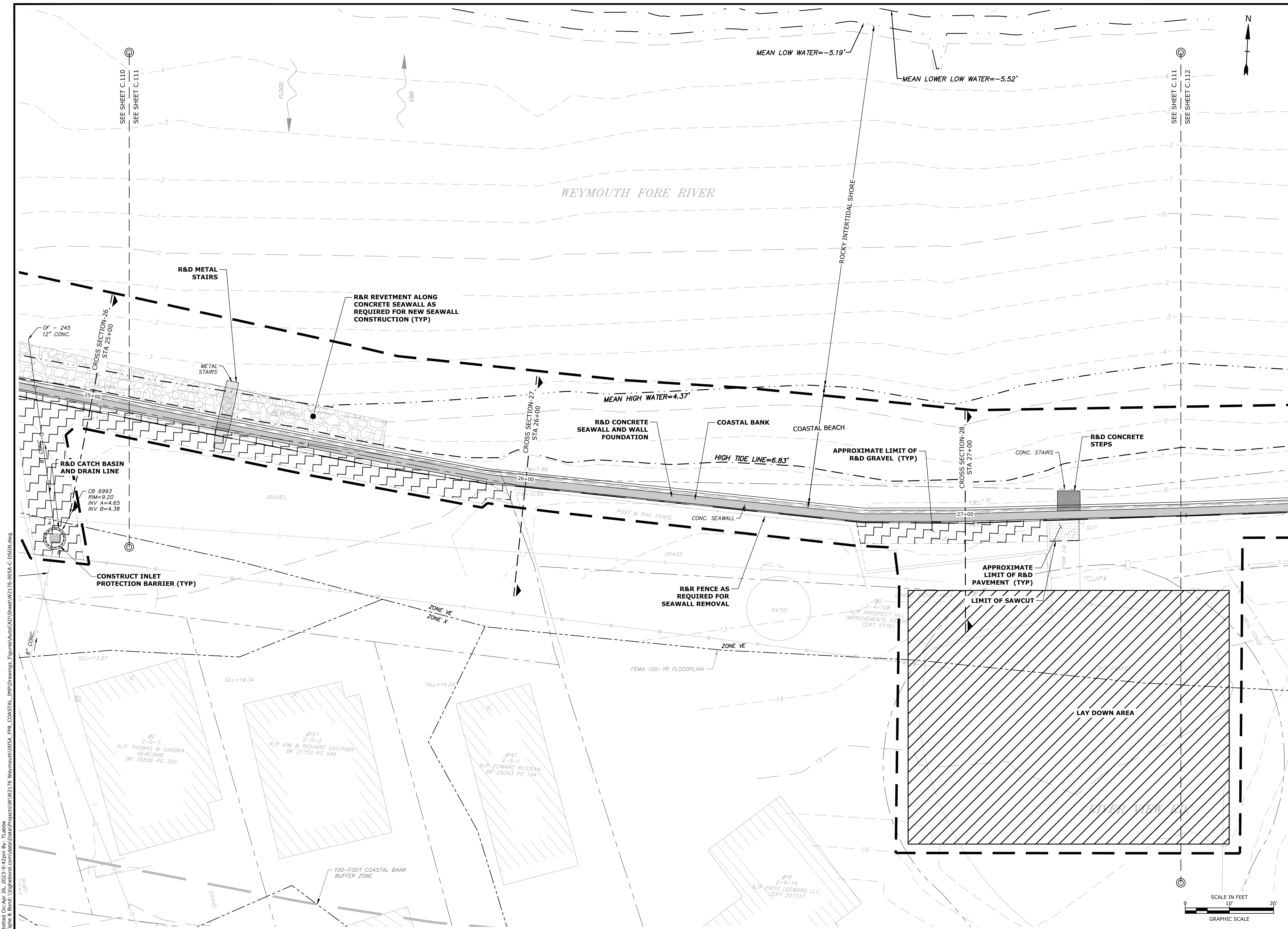
C.110

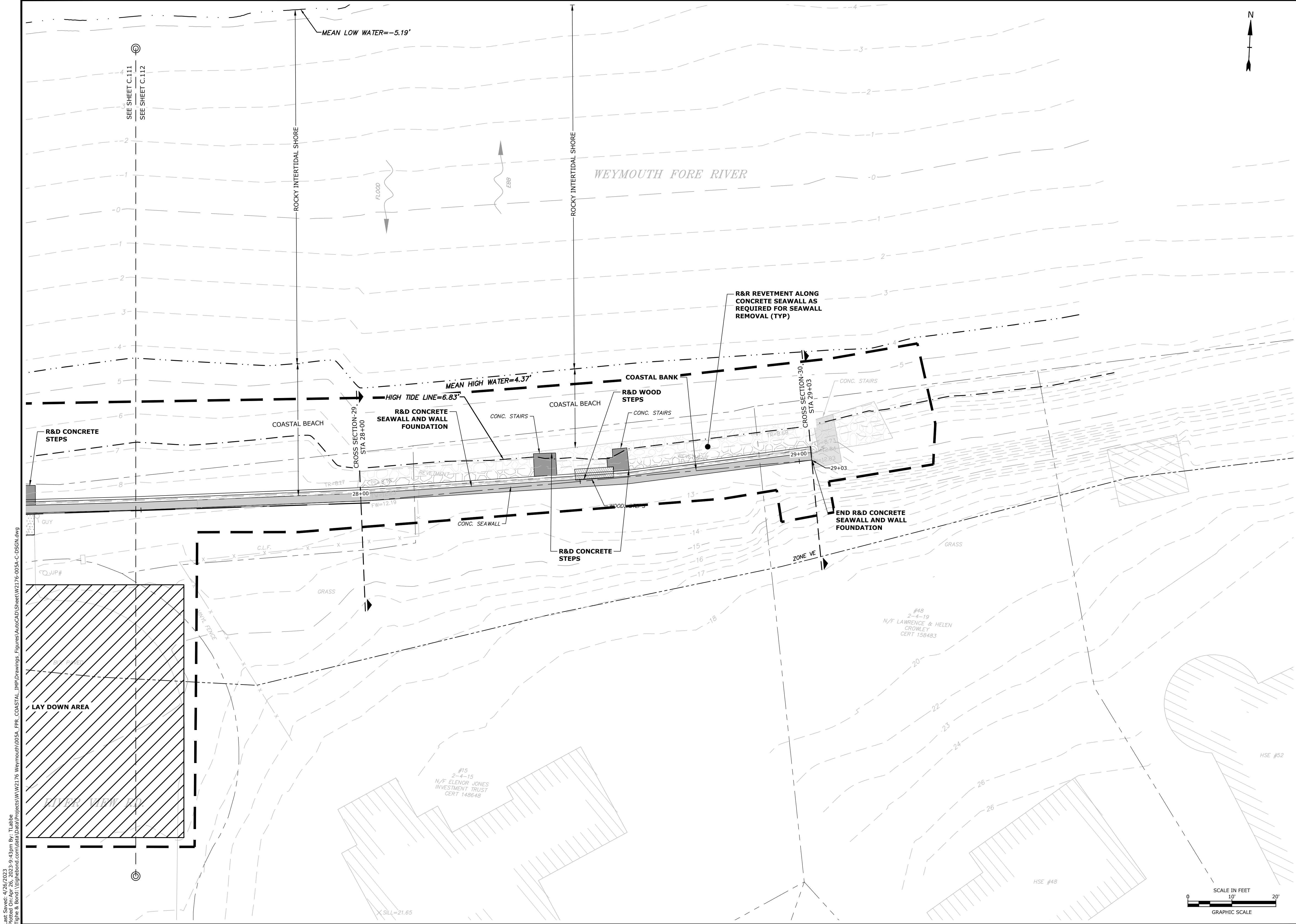
Weymouth,
Massachusetts

MARK	DATE	DESCRIPTION
PROJECT NO: W2176-005A		
DATE: January 3, 2023		
FILE: W2176-005A-C-DSGN.dwg		
DRAWN BY: TAL/MKF/CJK		
CHECKED: DGM		
APPROVED: FJH		

SCALE: AS SHOWN

C.111





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Weymouth
Neck
Infrastructure
Improvements
Project

Town of
Weymouth, MA

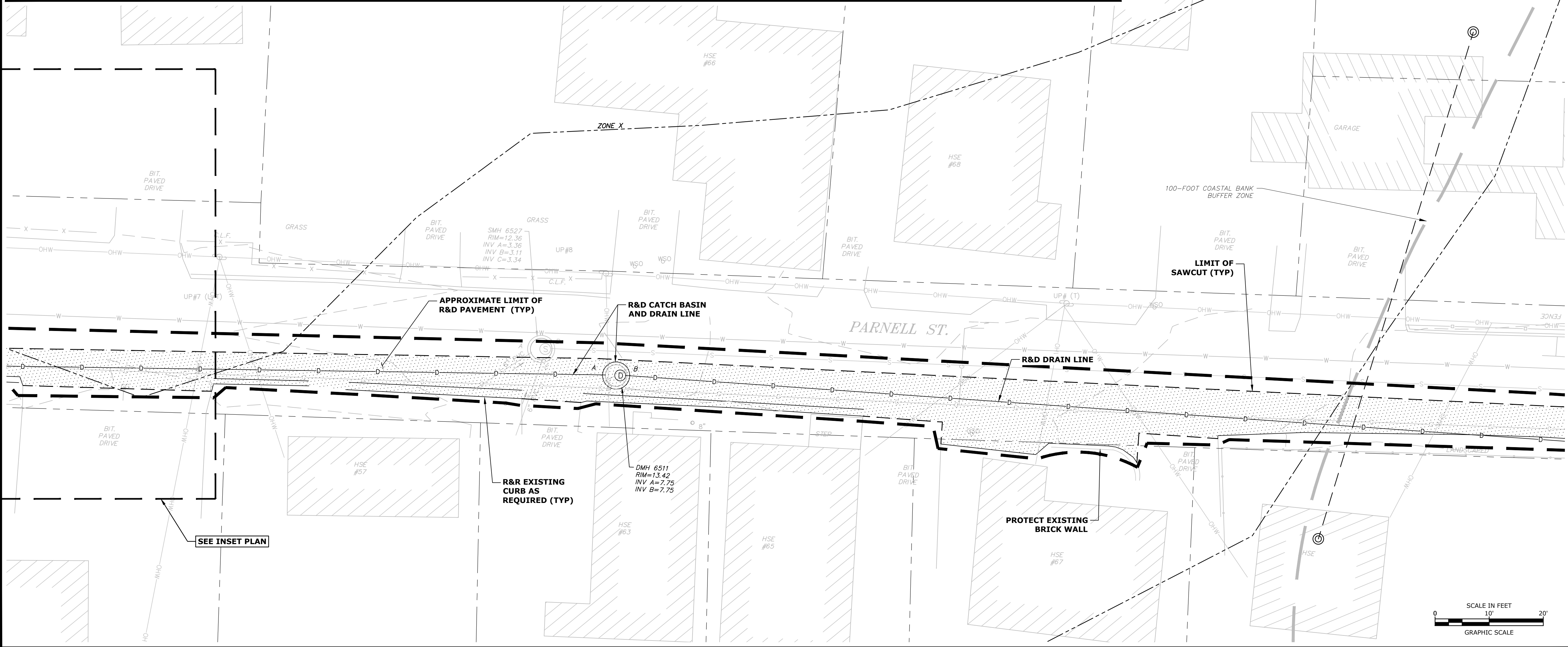
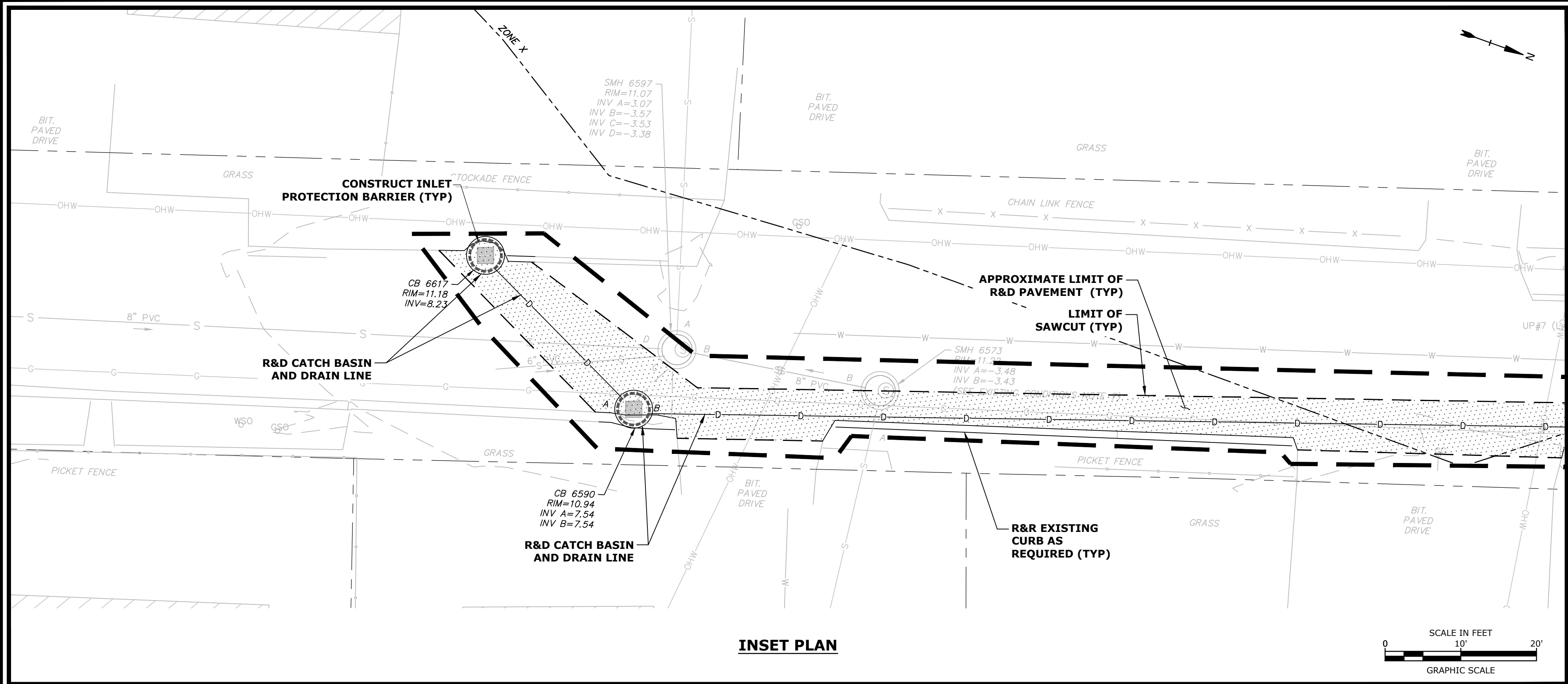
Weymouth,
Massachusetts

MARK	DATE	DESCRIPTION
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DATE:	January 3, 2023	
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DRAWN BY:	TAL/MKF/CJK	
CHECKED:	DGM	
APPROVED:	FJH	

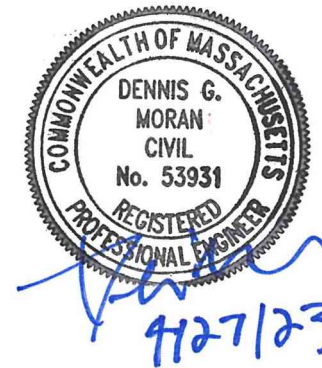
EXISTING CONDITIONS
& DEMOLITION PLAN

SCALE: AS SHOWN

C.112



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**PERMIT SET
NOT FOR CONSTRUCTION**

**Weymouth
Neck
Infrastructure
Improvements
Project**

**Town of
Weymouth, MA**

**Weymouth,
Massachusetts**

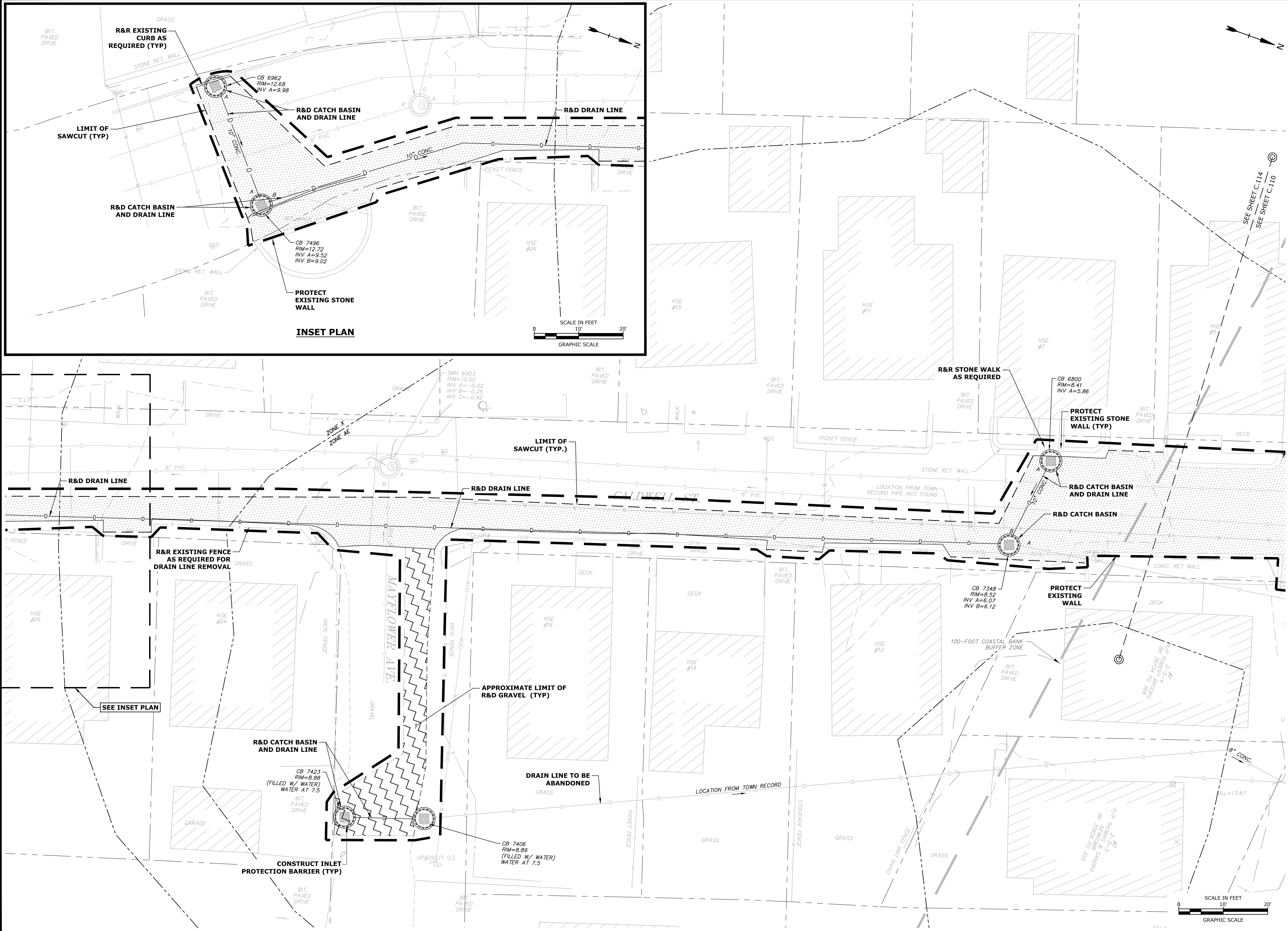
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FILE:	W2176-005A-C-DSGN.dwg	
DRAWN BY:	TAL/MKF/CJK	
CHECKED:	DGM	
APPROVED:	FJH	

**EXISTING CONDITIONS
& DEMOLITION PLAN**

SCALE: AS SHOWN

C.113

Last Saved: 4/26/2023 9:43pm By: Tlabbe
Printed On: Apr 26, 2023 9:43pm
Figure & Bond, Weymouth.com\data\Projects\W2176 Weymouth\005A-FR-Coastal-IMP\Drawings-figures\AutoCAD\Sheet\W2176-005A-C-DSGN.dwg



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Weymouth
Neck
Infrastructure
Improvements
Project

Town of
Weymouth, MA

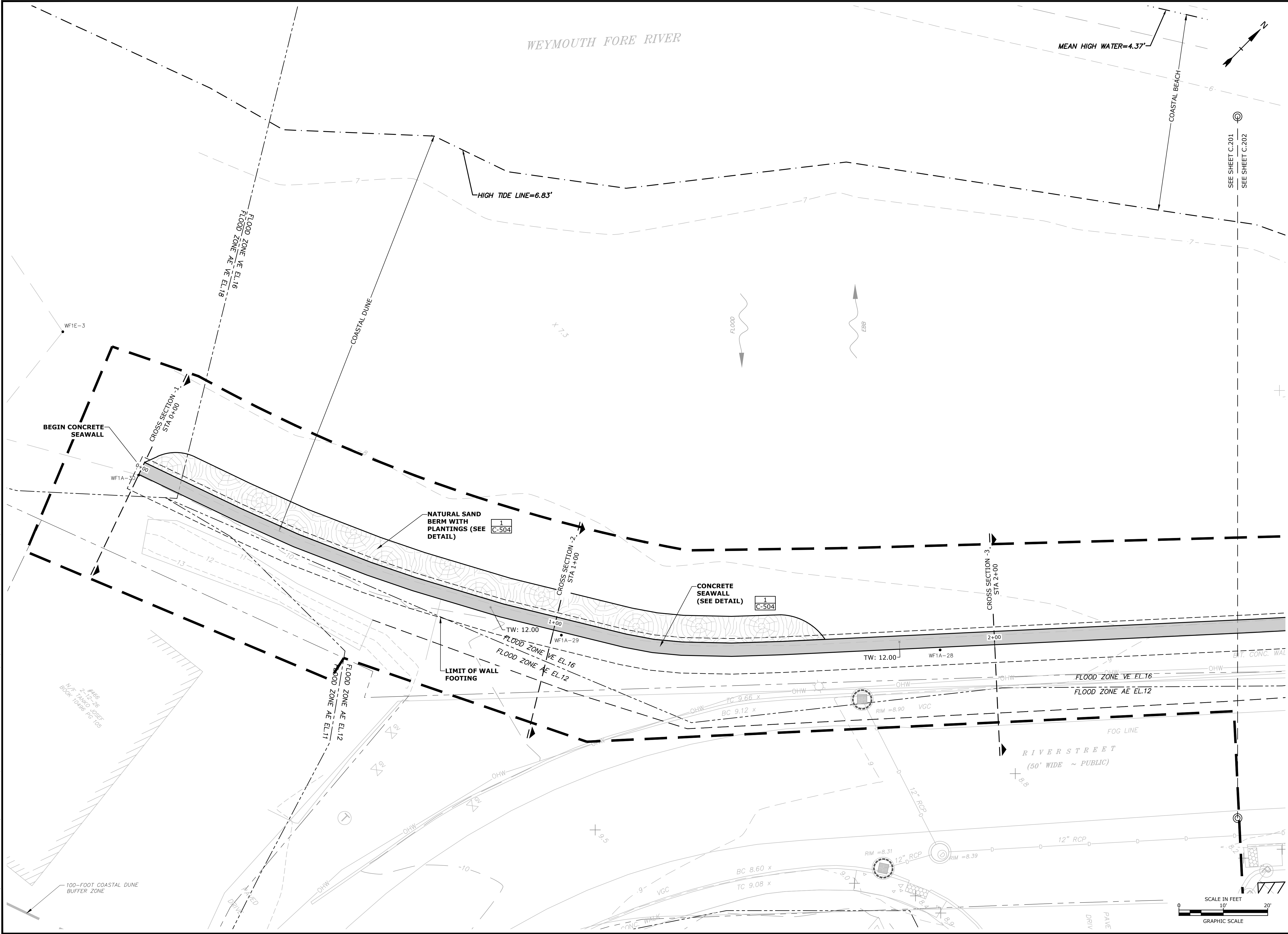
Weymouth,
Massachusetts

EXISTING CONDITIONS
& DEMOLITION PLAN

SCALE: AS SHOWN

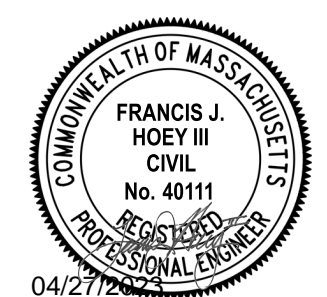
C.114

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Last Saved: 4/27/2023 11:58am By: Tlabbe
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Weymouth Neck Infrastructure Improvements Project

Town of Weymouth, MA

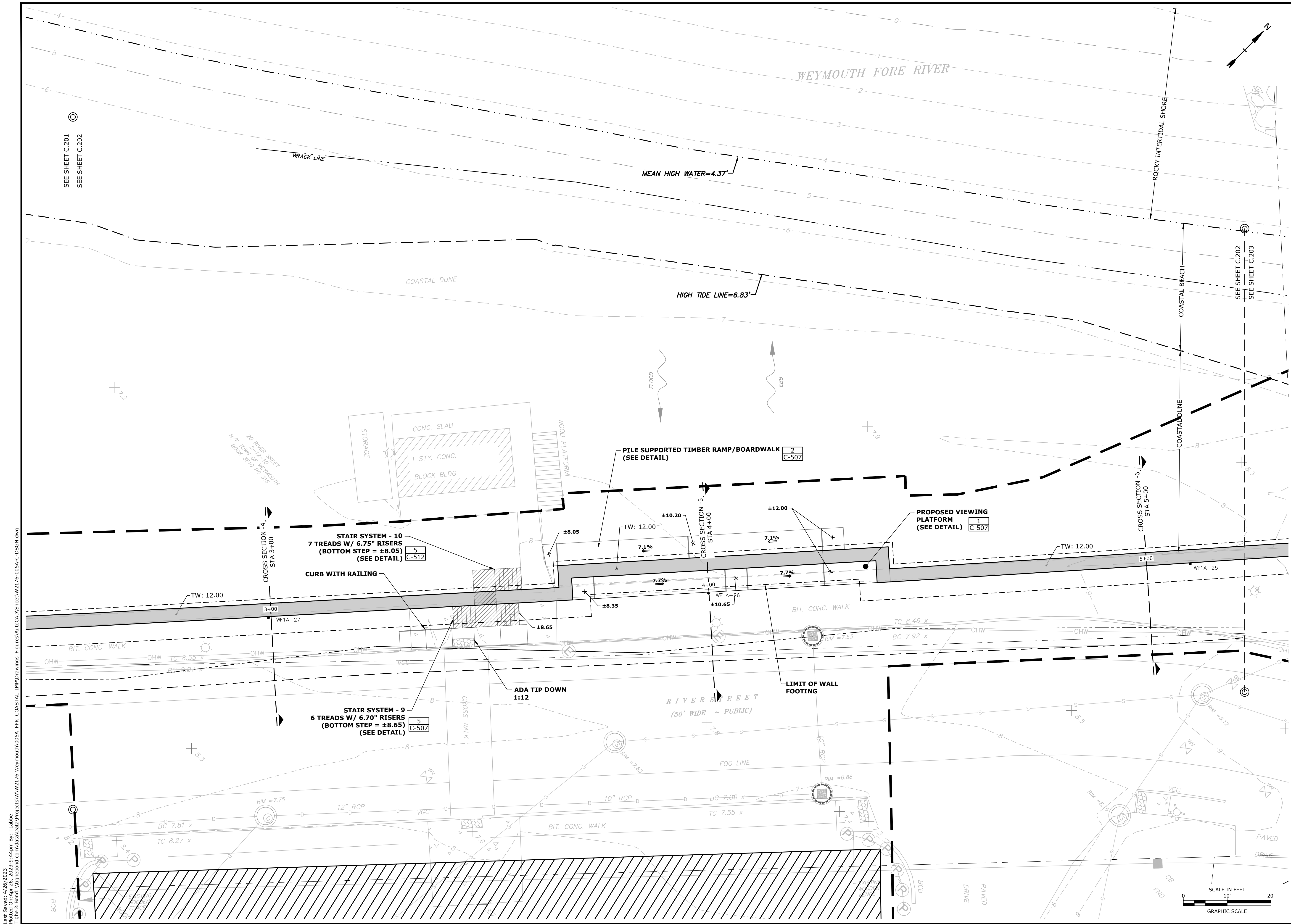
Weymouth, Massachusetts

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PROJECT NO:	W2176-005A	
DATE:	January 3, 2023	
FILE:	W2176-005A-C-DSGN.dwg	
DRAWN BY:	TAL/MKF/CJK	
CHECKED:	DGM	
APPROVED:	FJH	

PROPOSED CONDITIONS PLAN

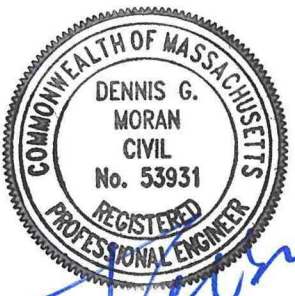
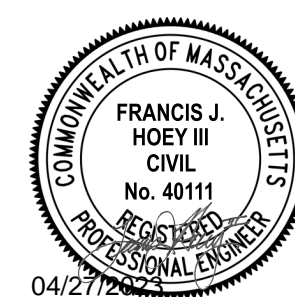
SCALE: AS SHOWN

C.201



Last Saved: 4/26/2023 3:44pm By: Tlabbe
Printed On: Apr 26, 2023 3:44pm
Figure & Bond: Weymouth Neck Infrastructure Improvements Project
Figure & Bond: Weymouth Neck Infrastructure Improvements Project

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Weymouth
Neck
Infrastructure
Improvements
Project

Town of
Weymouth, MA

Weymouth,
Massachusetts

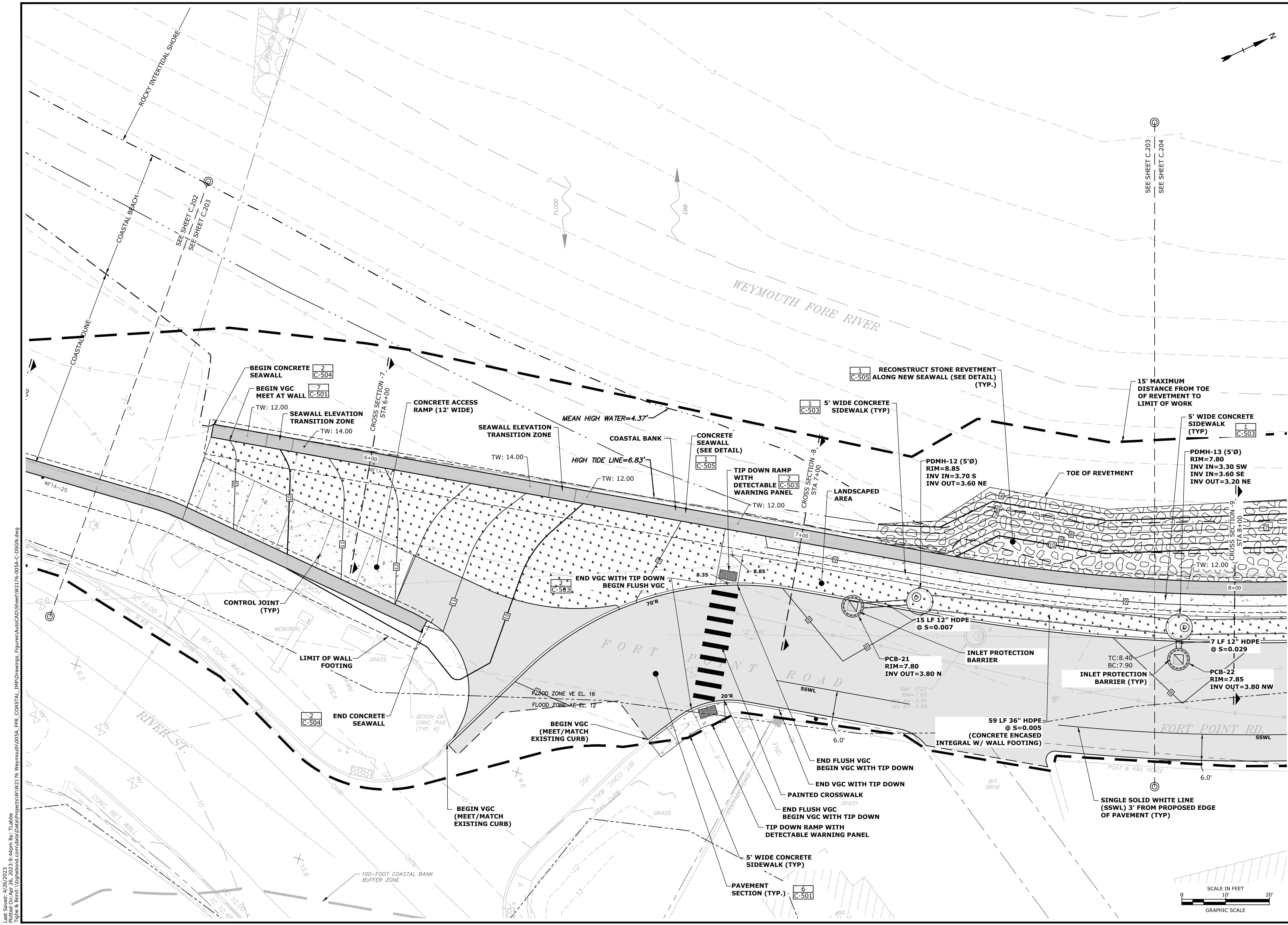
MARK	DATE	DESCRIPTION

PROJECT NO: W2176-005A
DATE: January 3, 2023
FILE: W2176-005A-C-DSGN.dwg
DRAWN BY: TAL/MKF/CIK
CHECKED: DGM
APPROVED: FJH

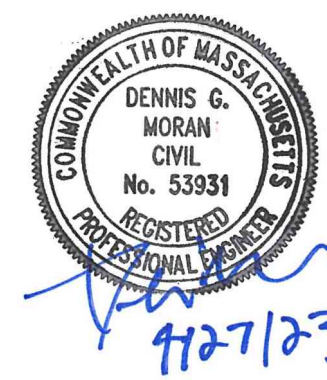
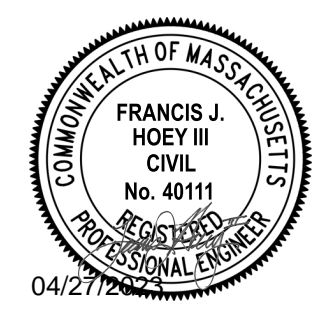
PROPOSED
CONDITIONS PLAN

SCALE: AS SHOWN

C.202



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Weymouth Neck Infrastructure Improvements Project

Town of Weymouth, MA

Weymouth, Massachusetts

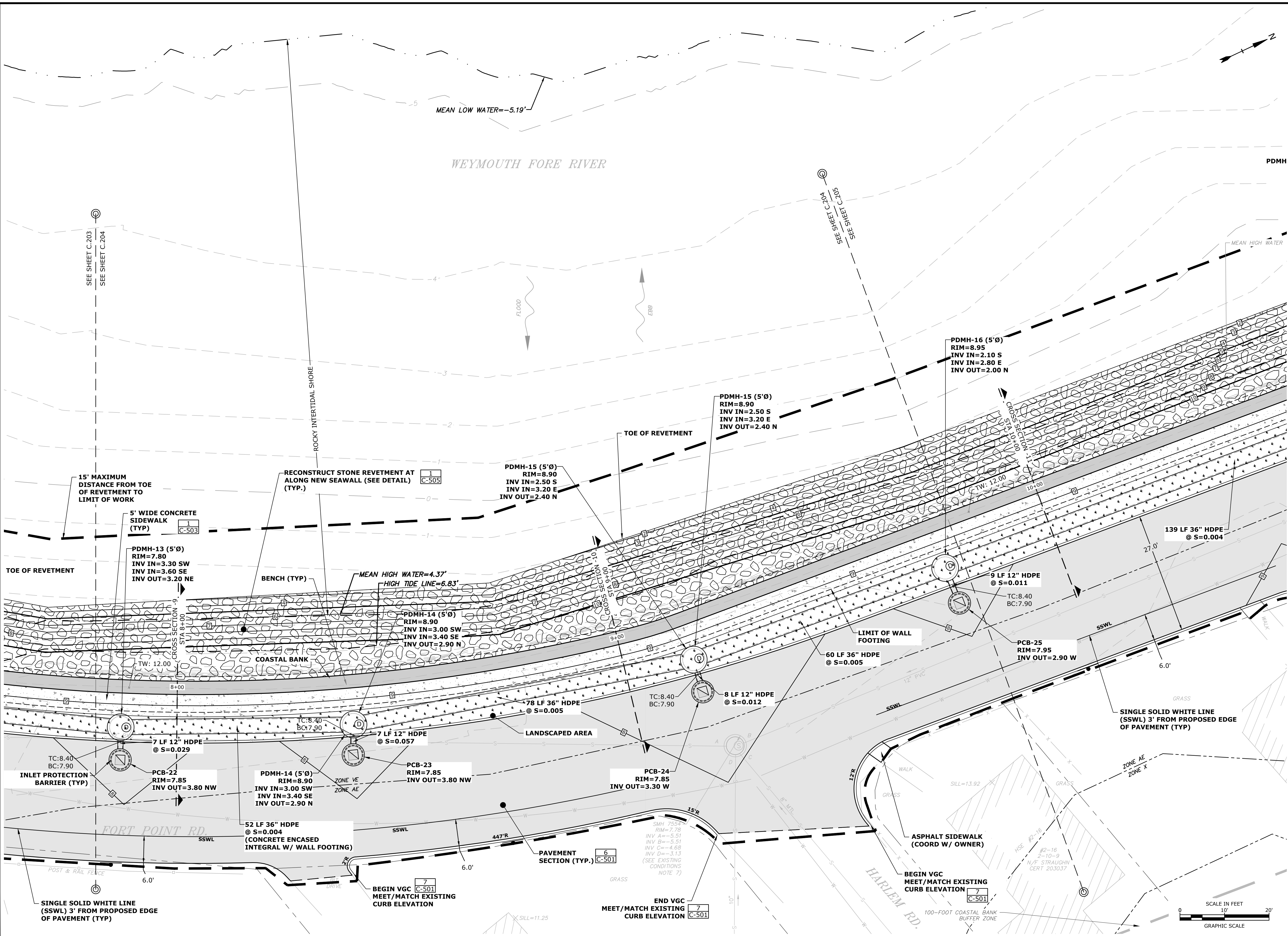
MARK	DATE	DESCRIPTION
PROJECT NO:	W2176-005A	
DATE:	January 3, 2023	
FILE:	W2176-005A-C-DSGN.dwg	
DRAWN BY:	TAL/MKF/CJK	
CHECKED:	DGM	
APPROVED:	FJH	

PROPOSED
CONDITIONS PLAN

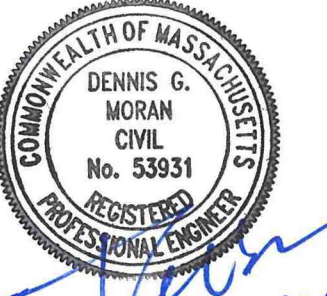
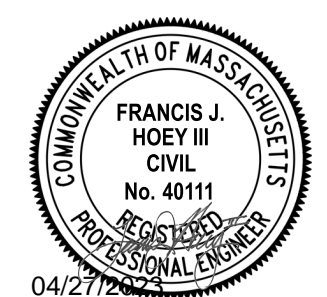
SCALE: AS SHOWN

C.203

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Printed On: Apr 26, 2023 3:44pm
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Weymouth Neck Infrastructure Improvements Project

Town of Weymouth, MA

Weymouth, Massachusetts

MARK	DATE	DESCRIPTION
PROJECT NO:	W2176-005A	
DATE:	January 3, 2023	
FILE:	W2176-005A-C-DSGN.dwg	
DRAWN BY:	TAL/MKF/CJK	
CHECKED:	DGM	
APPROVED:	FJH	

PROPOSED
CONDITIONS PLAN

SCALE: AS SHOWN

C.204

Weymouth,
Massachusetts

C.205



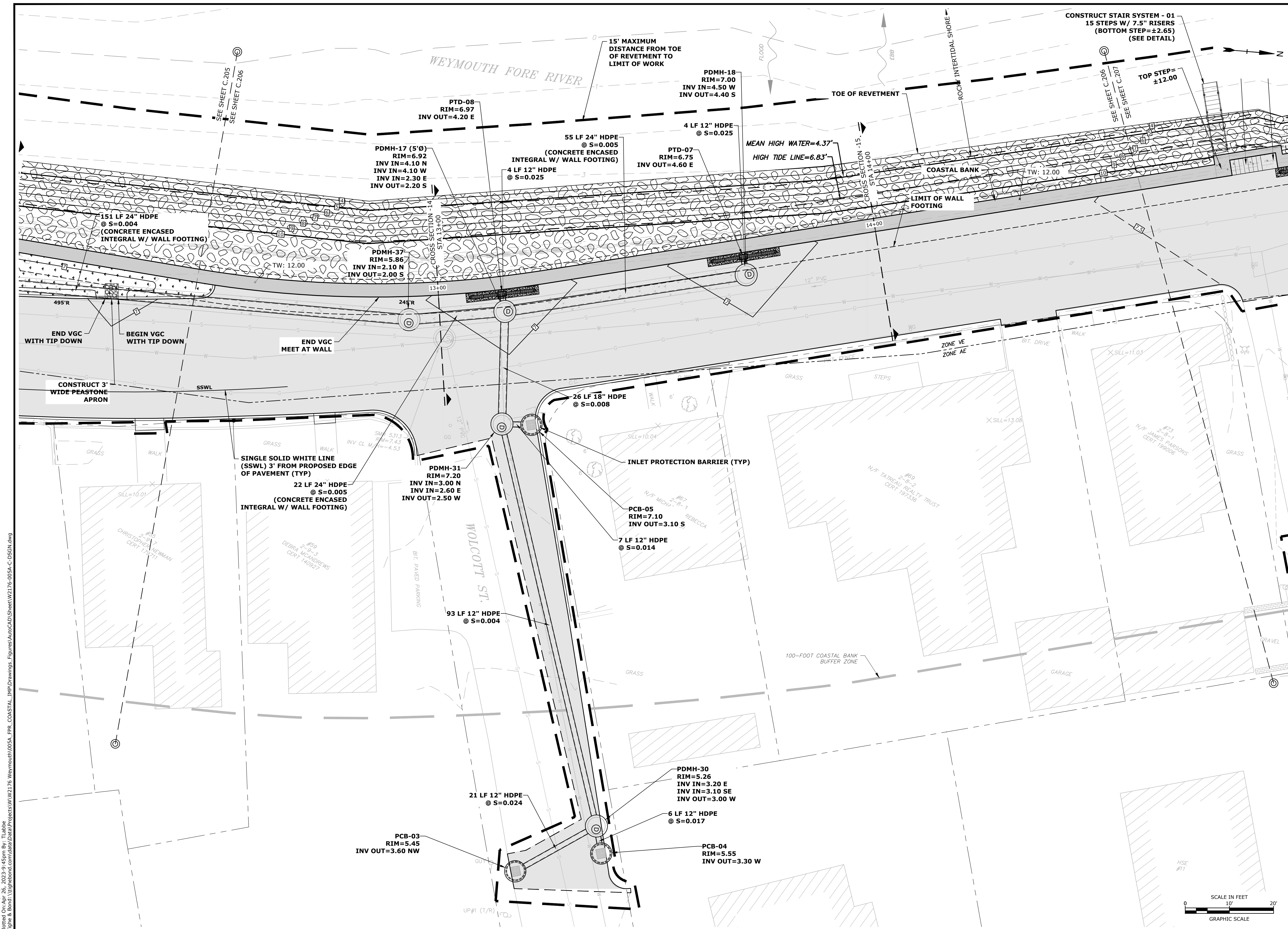
Weymouth Neck Infrastructure Improvements Project

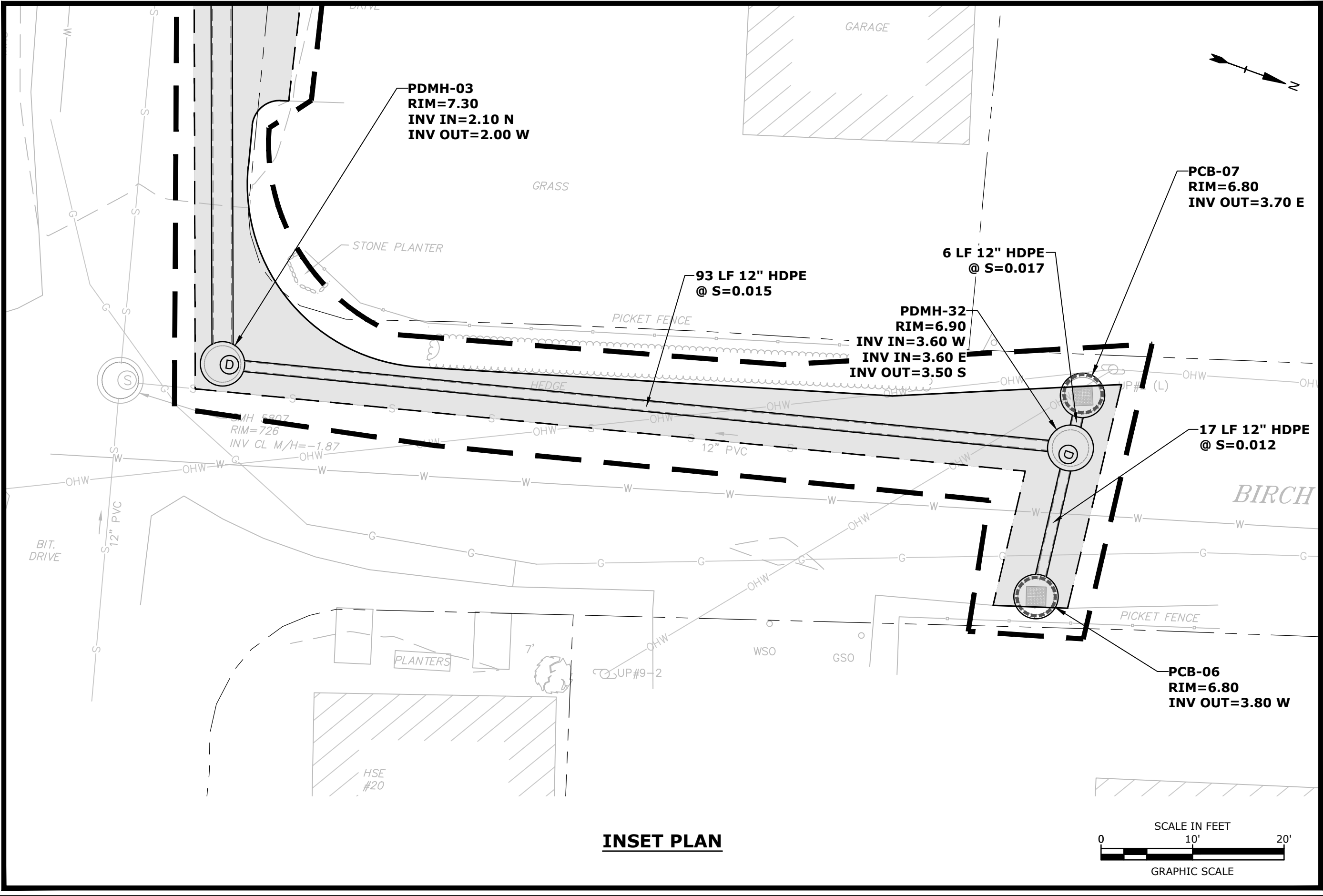
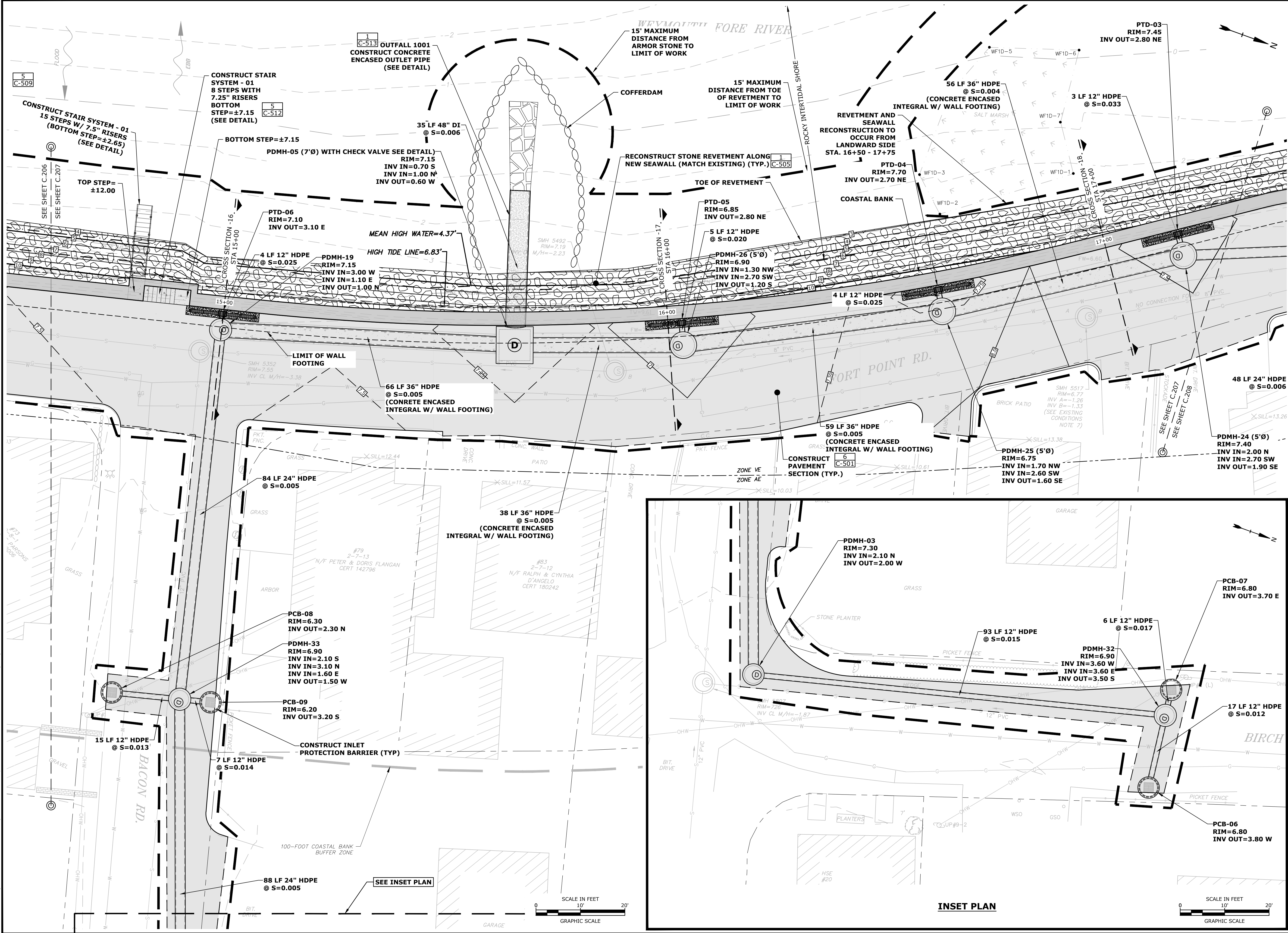
Weymouth,
Massachusetts

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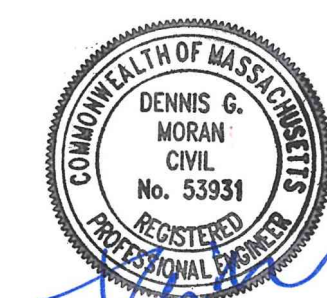
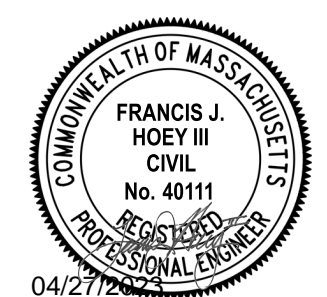
SCALE: AS SHOWN

C.206





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Weymouth Neck
Infrastructure
Improvements
Project

Town of
Weymouth, MA

Weymouth,
Massachusetts

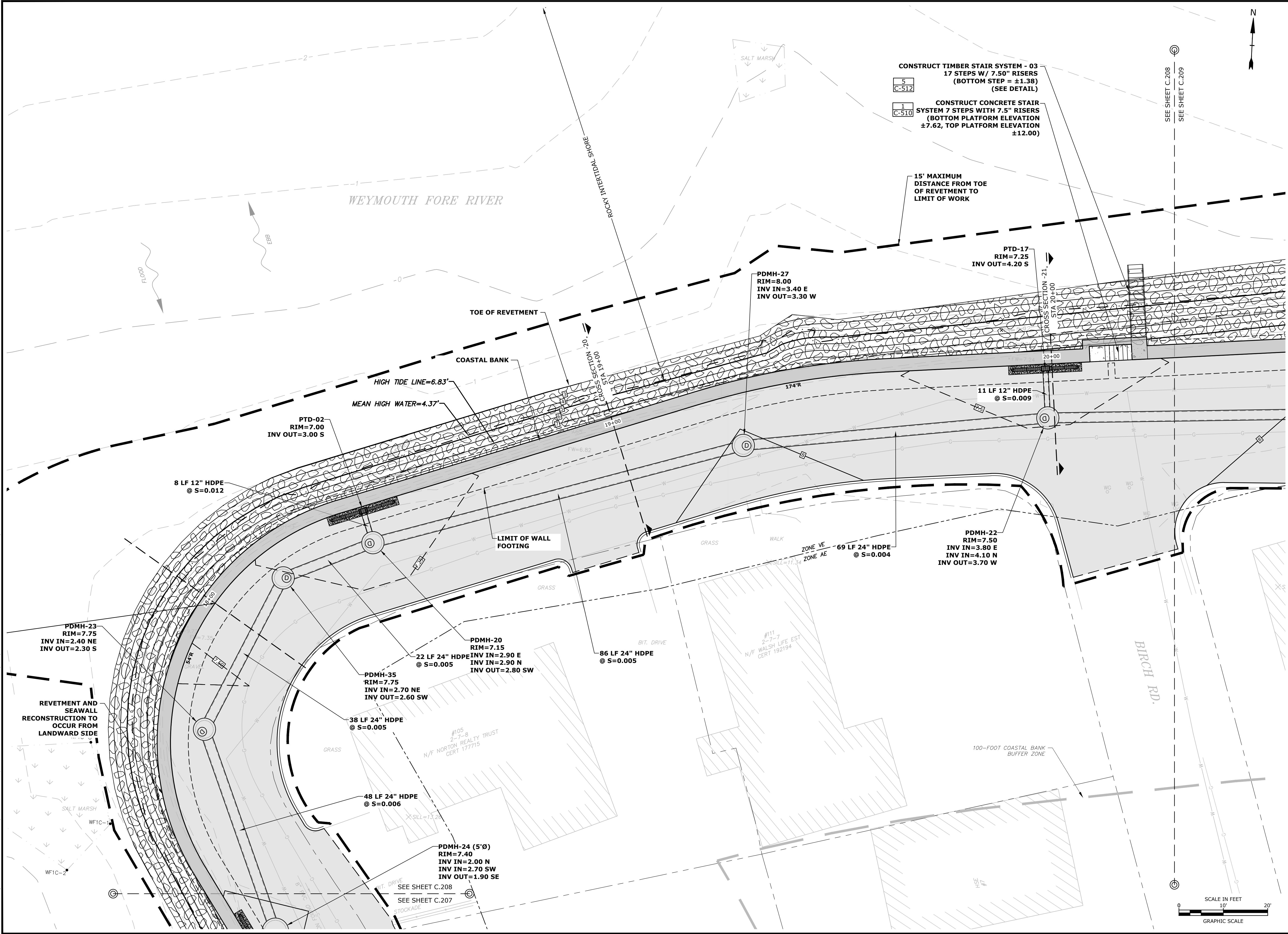
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PROJECT NO:	W2176-005A	
DATE:	January 3, 2023	
FILE:	W2176-005A-C-DSGN.dwg	
DRAWN BY:	TAL/MKF/CJK	
CHECKED:	DGM	
APPROVED:	FJH	

PROPOSED
CONDITIONS PLAN

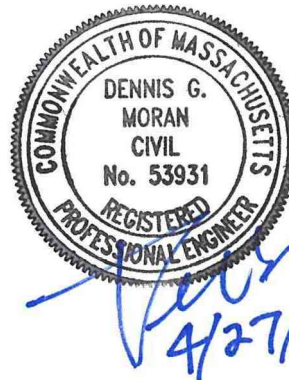
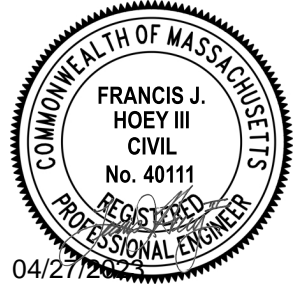
SCALE: AS SHOWN

C.207

Last Saved: 4/26/2023 9:46pm By: Tlabbe
Printed On: Apr 26, 2023 9:46pm
Tighe & Bond, Weymouth.com Data Path: Projects\W2176 Weymouth\005A-FPR_COASTAL_IMPR\Drawings_Figures\AutoCAD\Sheet\W2176-005A-C-DSGN.dwg



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Weymouth
Neck
Infrastructure
Improvements
Project

Town of
Weymouth, MA

Weymouth,
Massachusetts

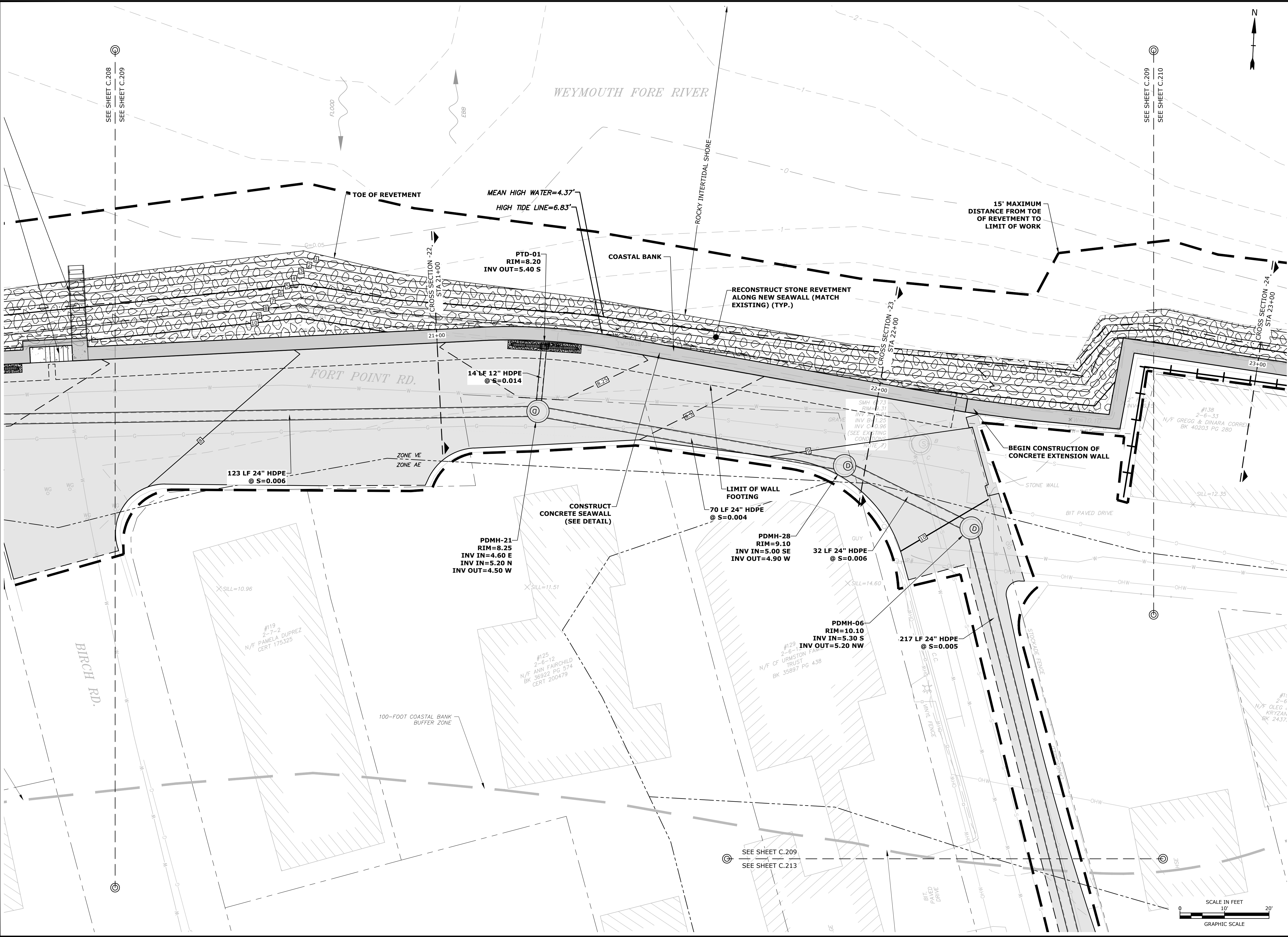
MARK	DATE	DESCRIPTION
PROJECT NO:	W2176-005A	
DATE:	January 3, 2023	
FILE:	W2176-005A-C-DSGN.dwg	
DRAWN BY:	TAL/MKF/CJK	
CHECKED:	DGM	
APPROVED:	FJH	

PROPOSED
CONDITIONS PLAN

SCALE: AS SHOWN

C.208

Last Saved: 4/26/2023 3:45pm By: Tlabbe
Printed On: Apr 26, 2023 3:45pm
File & Print: W2176-Weymouth-005A-FR-Coastal-IMP-Drawings-Figures(AutoCAD)SheetW2176-005A-C-DSGN.dwg



Tighe&Bond

COMMONWEALTH OF MASSACHUSETTS

FRANCIS J. HOEY III

CIVIL

No. 40111

REGISTERED PROFESSIONAL ENGINEER

04/27/2023

COMMONWEALTH OF MASSACHUSETTS

DENNIS G. MORAN

CIVIL

No. 53931

REGISTERED PROFESSIONAL ENGINEER

4/27/23

PERMIT SET

NOT FOR CONSTRUCTION

Weymouth Neck Infrastructure Improvements Project

Town of Weymouth, MA

Weymouth, Massachusetts

MARK	DATE	DESCRIPTION
		PROJECT NO: W2176-005A
		DATE: January 3, 2023
		FILE: W2176-005A-C-DSGN.dwg
		DRAWN BY: TAL/MKF/CJK
		CHECKED: DGM
		APPROVED: FJH

PROPOSED CONDITIONS PLAN

SCALE: AS SHOWN

C.209

Weymouth,
Massachusetts

C.210

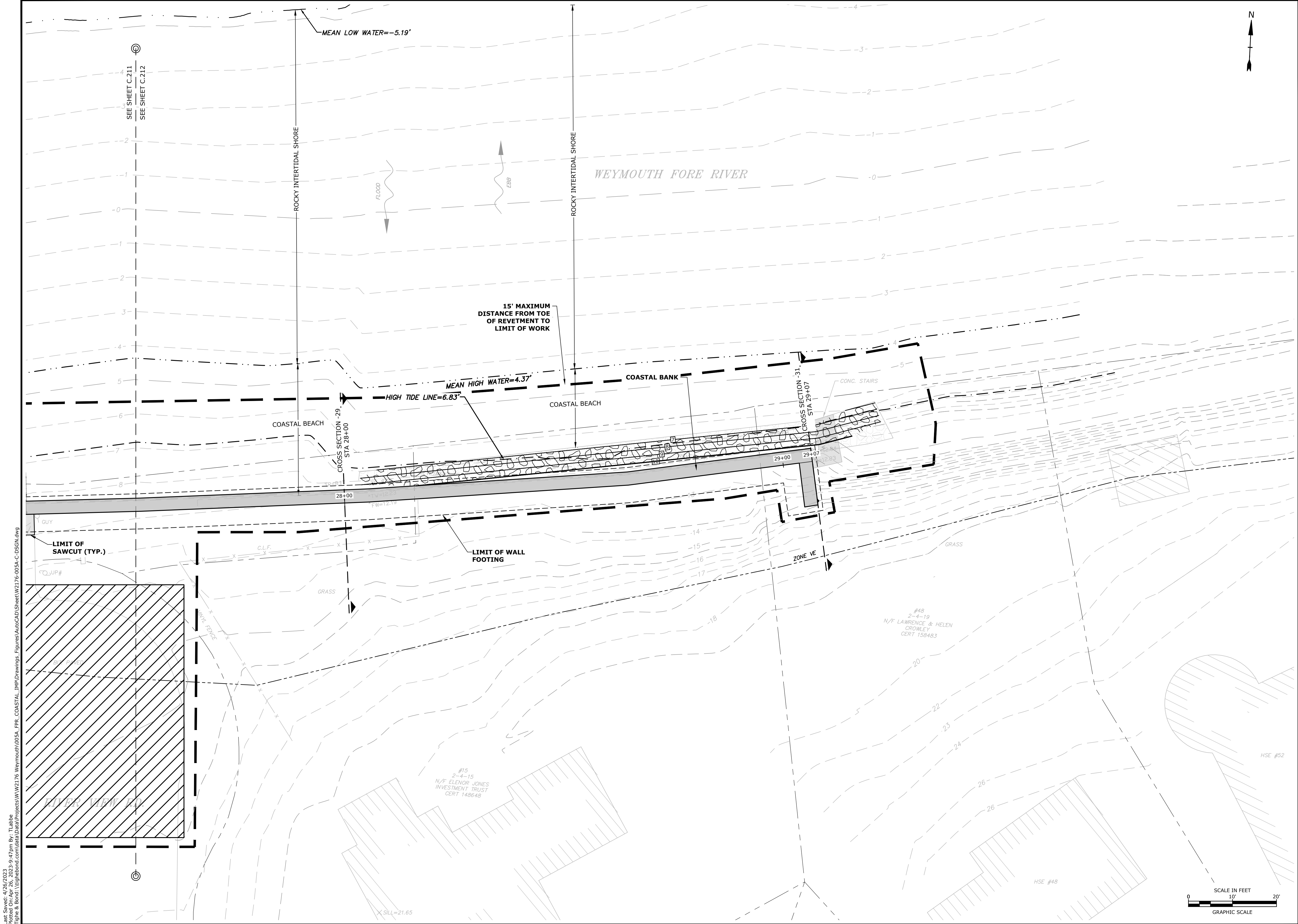


Weymouth,
Massachusetts

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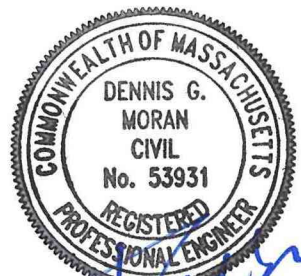
C.211





Last Saved: 4/26/2023 9:47pm By: Tlabbe
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Weymouth Neck Infrastructure Improvements Project

Town of Weymouth, MA

Weymouth, Massachusetts

MARK	DATE	DESCRIPTION

PROJECT NO: W2176-005A
DATE: January 3, 2023
FILE: W2176-005A-C-DSGN.dwg
DRAWN BY: TAL/MKF/CJK
CHECKED: DGM
APPROVED: FJH

PROPOSED CONDITIONS PLAN

SCALE: AS SHOWN

C.212

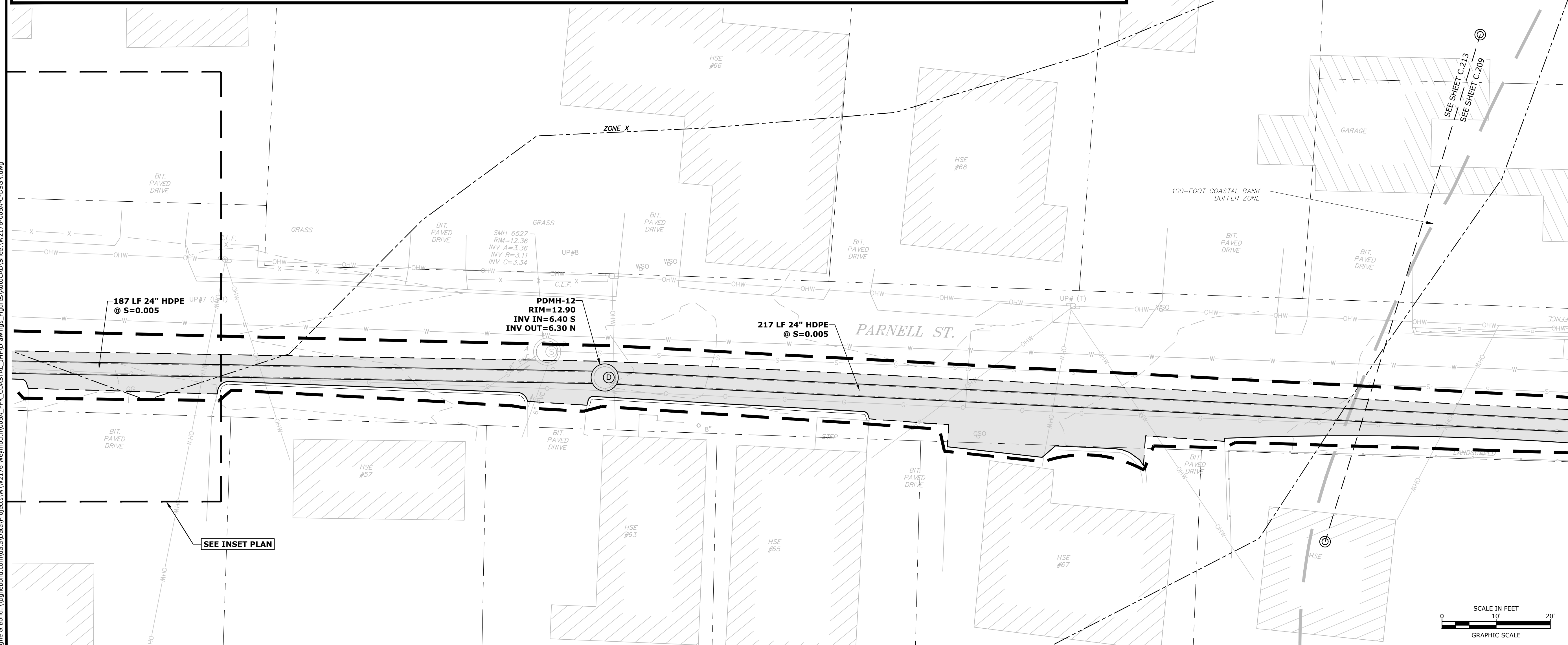
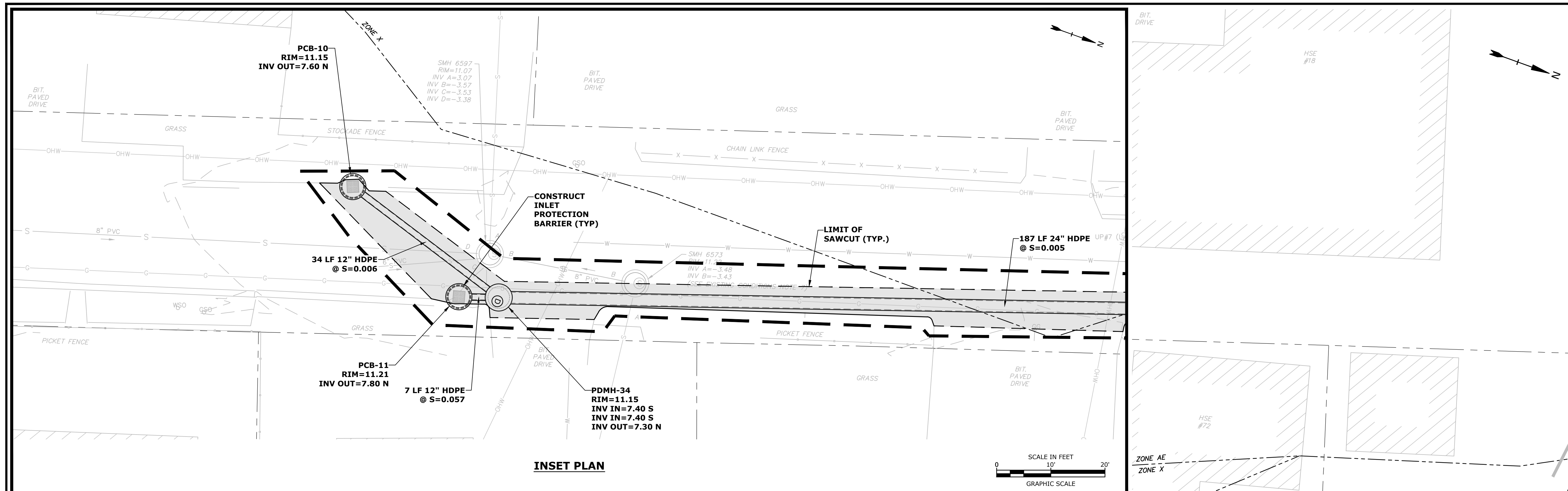
Weymouth,
Massachusetts

MARK	DATE	DESCRIPTION
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DATE:	January 3, 2023	
FILE:	W2176-005A-C-DSGN.dwg	
DRAWN BY:	TAL/MKF/CJK	
CHECKED:	DGM	
APPROVED:	FJH	

PROPOSED CONDITIONS PLAN

SCALE: AS SHOWN

C.213



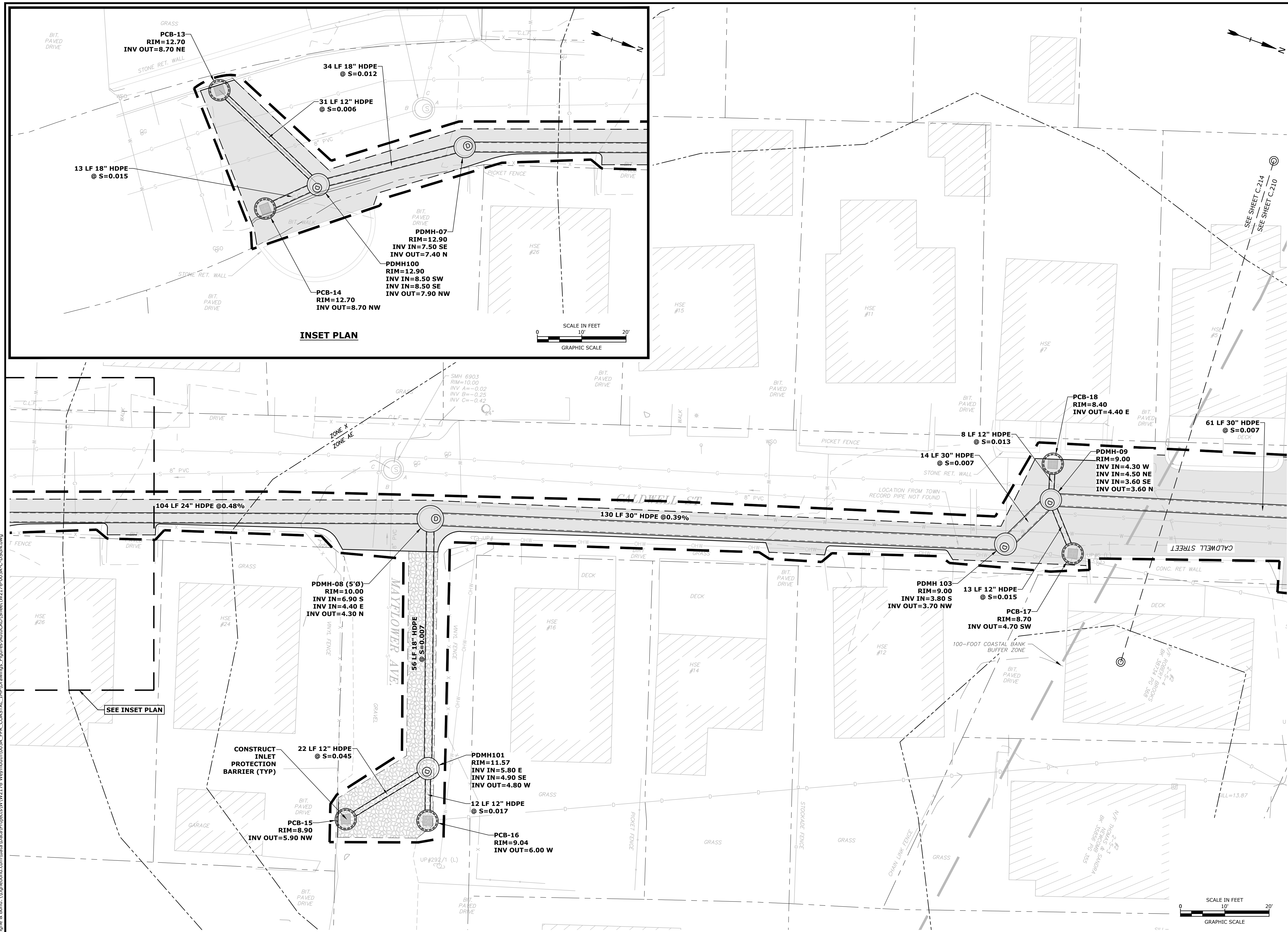
Weymouth,
Massachusetts

MARK	DATE	DESCRIPTION
PROJECT NO: W2176-005A		
DATE:	January 3, 2023	
FILE:	W2176-005A-C-DSGN	
DRAWN BY:	TAL/MKF/CJK	
CHECKED:	DGM	
APPROVED:	FJH	

PROPOSED CONDITIONS PLAN

SCALE: AS SHOWN

C.214





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NOT FOR CONSTRUCTION

Weymouth
Neck
Infrastructure
Improvements
Project

Town of
Weymouth, MA

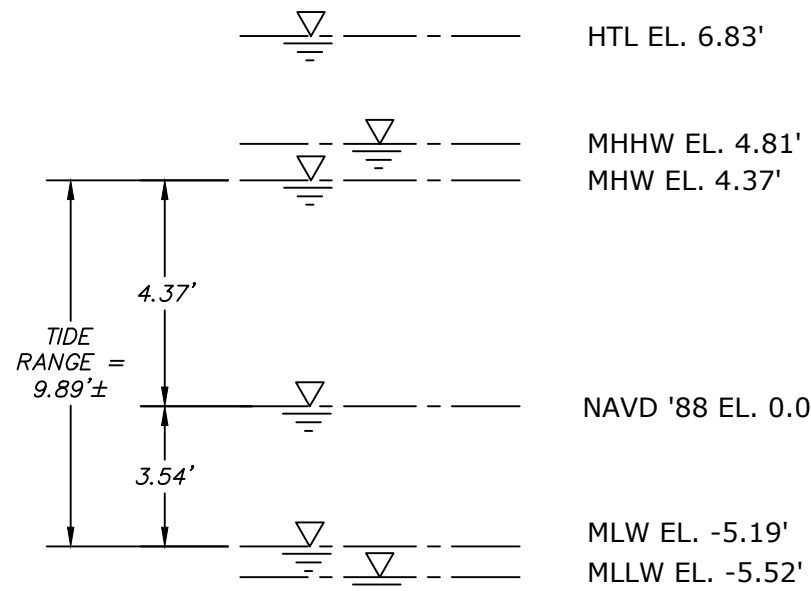
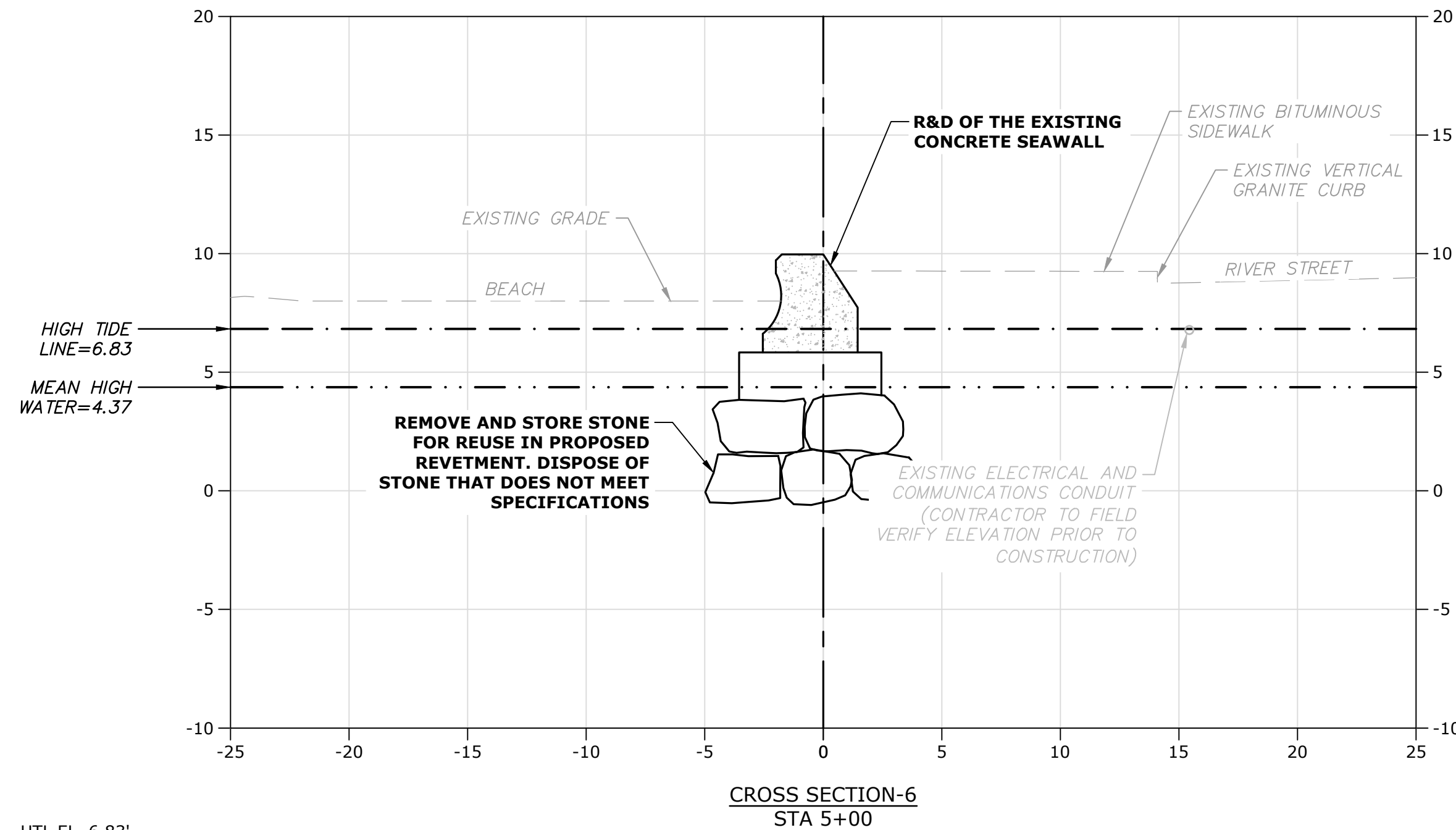
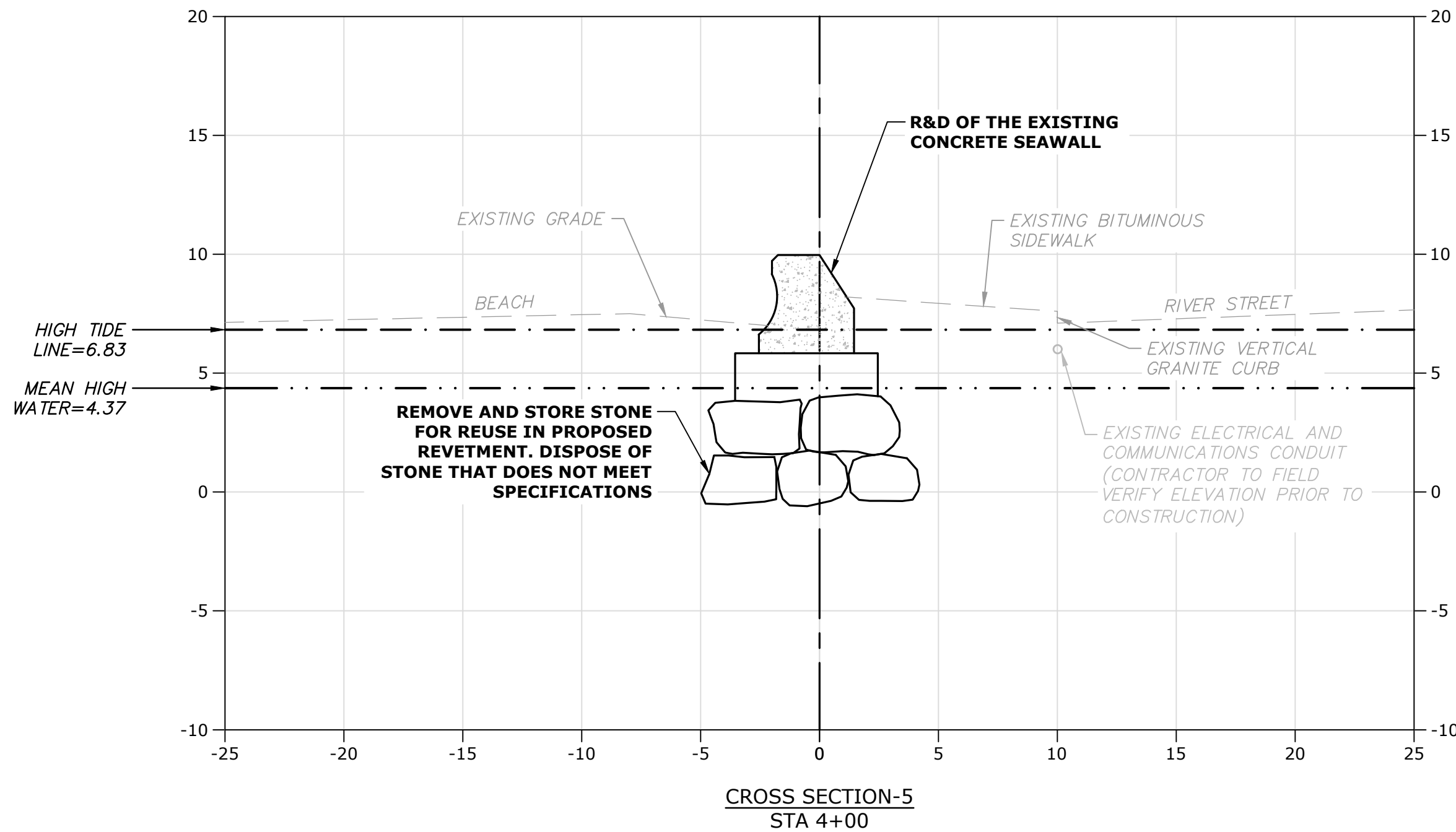
Weymouth,
Massachusetts

MARK	DATE	DESCRIPTION
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DATE: January 3, 2023		
FILE: W2176-005A-C-DSGN.dwg		
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CHECKED: DGM		
APPROVED: FJH		

EXISTING
CROSS-SECTIONS - 2

SCALE: AS SHOWN

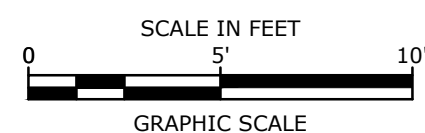
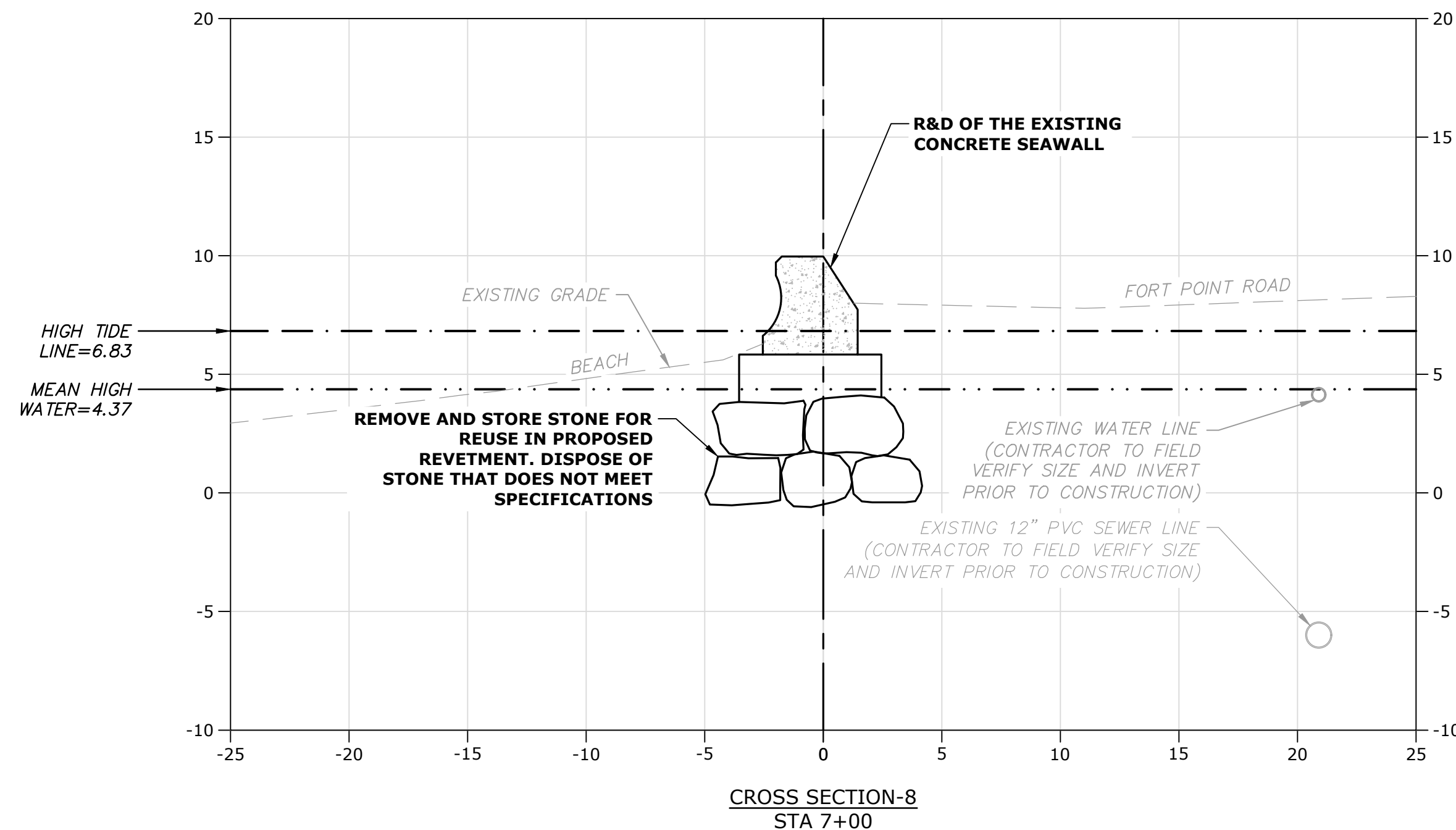
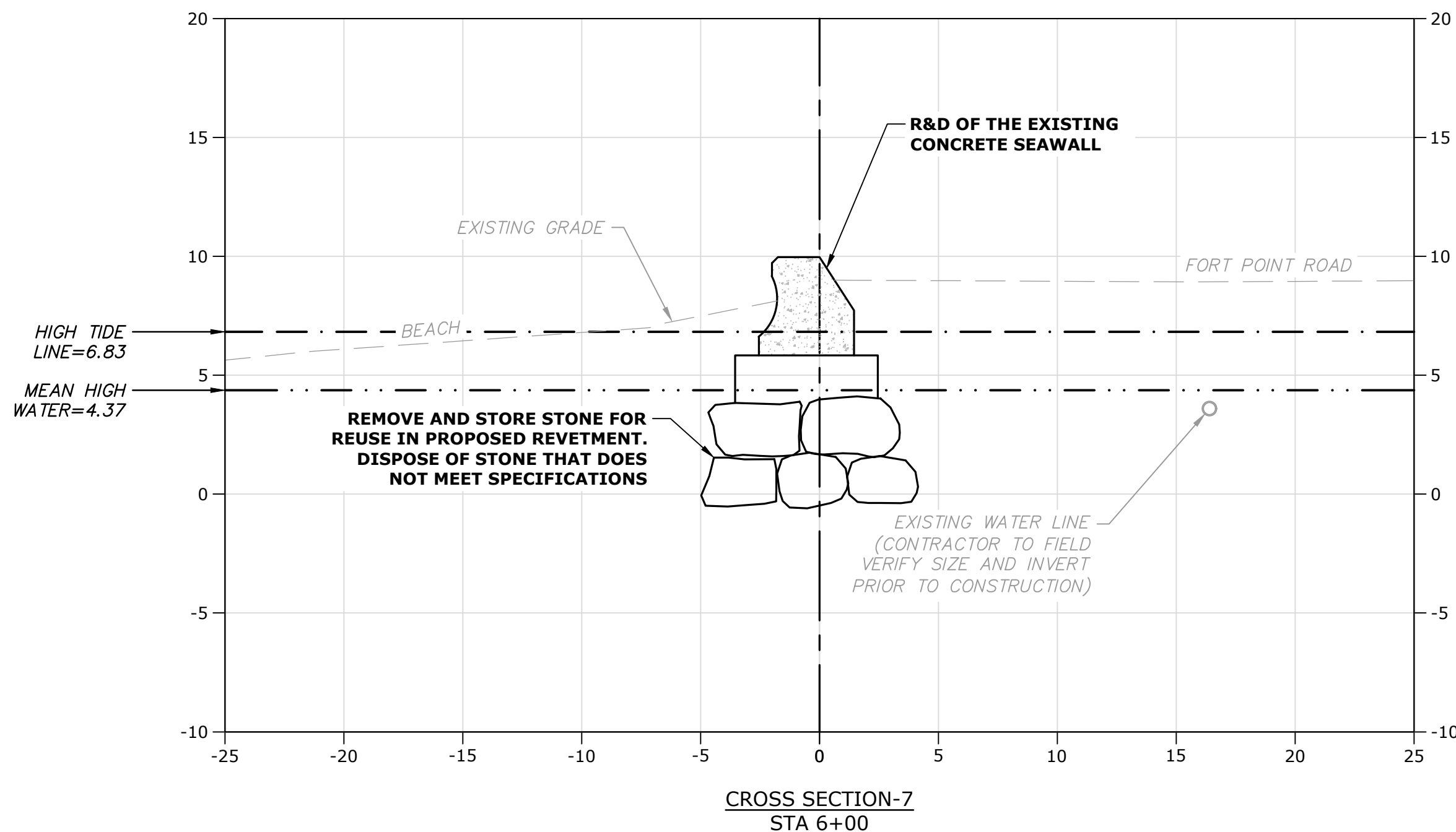
C.302



VERTICAL DATUM NOTE:

1. THE TIDAL DATA ABOVE WAS TAKEN FROM THE U.S. DEPARTMENT OF COMMERCE, NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION (NOAA) ONLINE VERTICAL DATUM TRANSFORMATION PROGRAM, DETERMINED AT THE FOLLOWING LOCATION:
STATION ID: 8444788
PID: NONE
LOCATION: WEYMOUTH FORE RIVER, MA
LATITUDE: 42.25 N
LONGITUDE: 70.97 W

VERTICAL DATUM CONVERSION DIAGRAM





PERMIT SET
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Weymouth
Neck
Infrastructure
Improvements
Project

Town of
Weymouth, MA

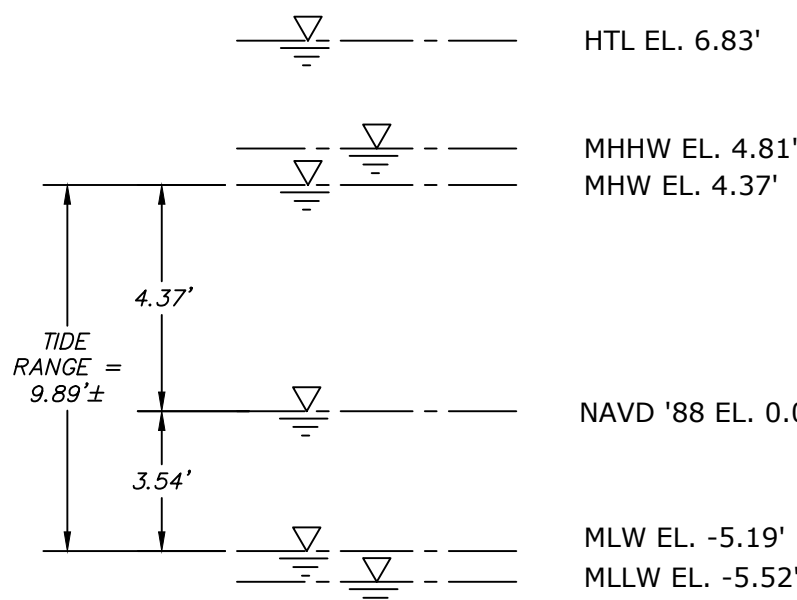
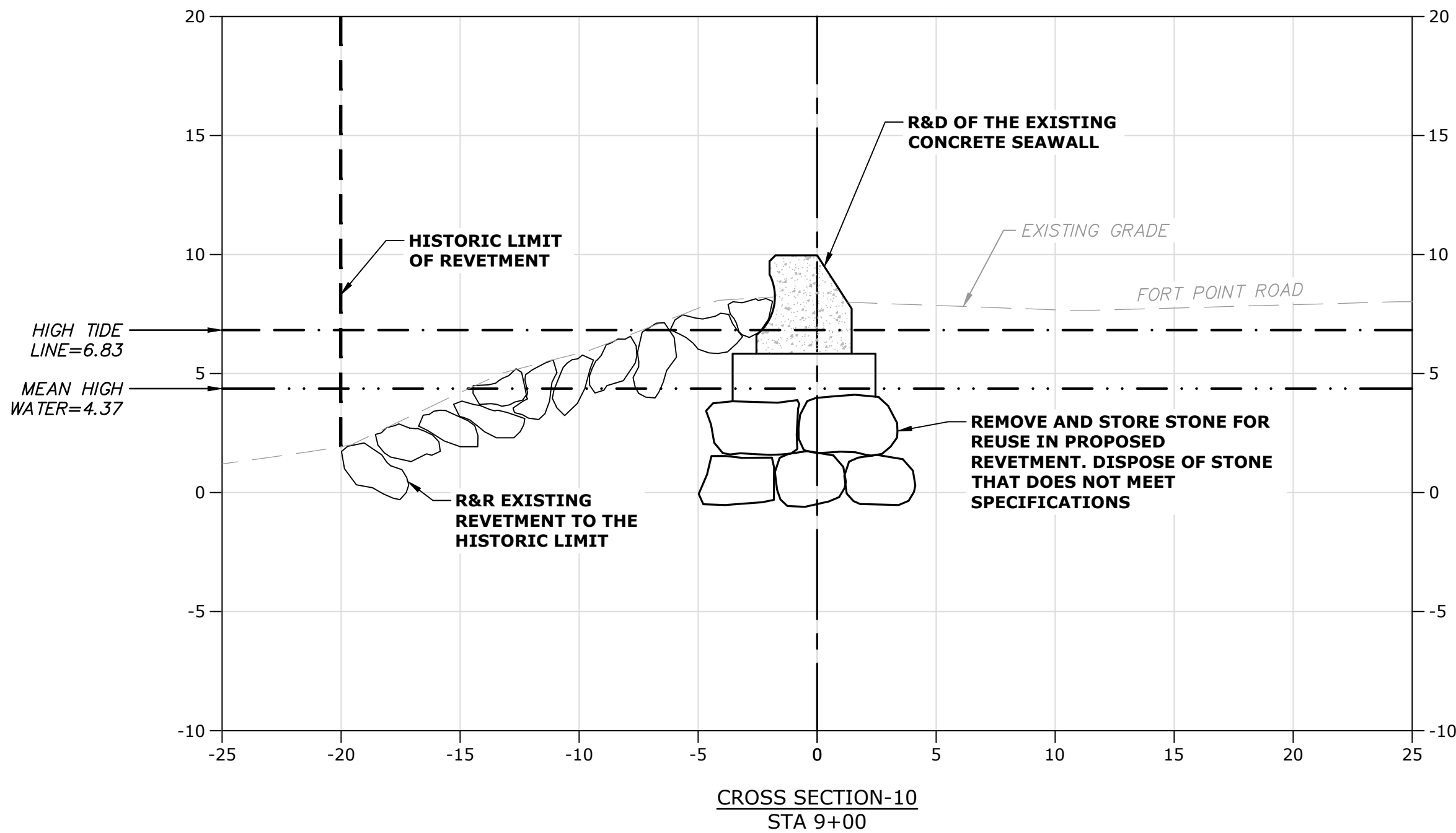
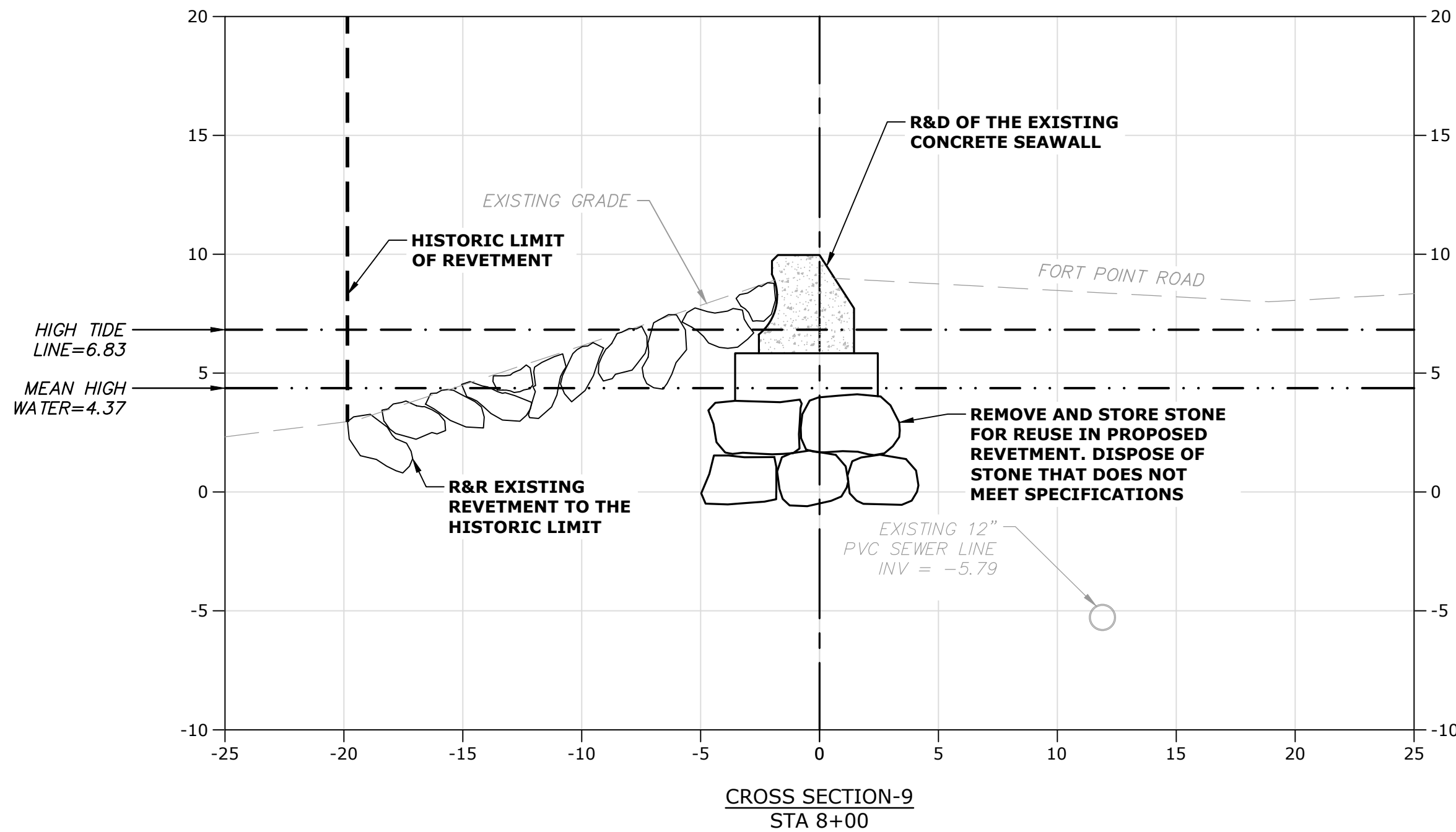
Weymouth,
Massachusetts

MARK	DATE	DESCRIPTION
PROJECT NO: W2176-005A		
DATE: January 3, 2023		
FILE: W2176-005A-C-DSGN.dwg		
DRAWN BY: TAL/MKF/CJK		
CHECKED: DGM		
APPROVED: FJH		

EXISTING
CROSS-SECTIONS - 3

SCALE: AS SHOWN

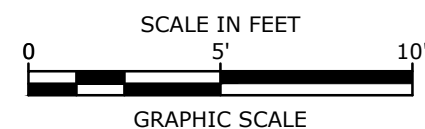
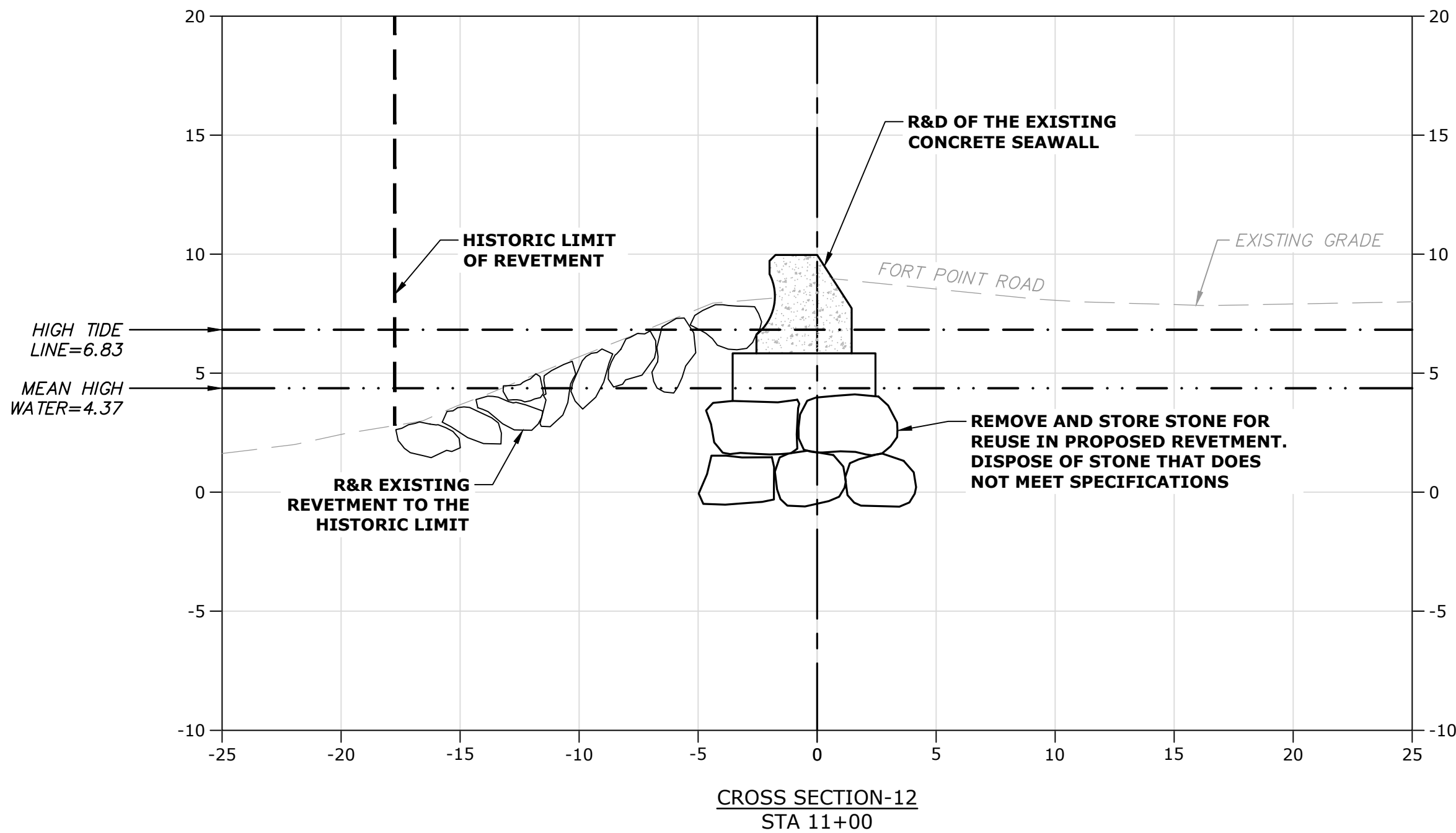
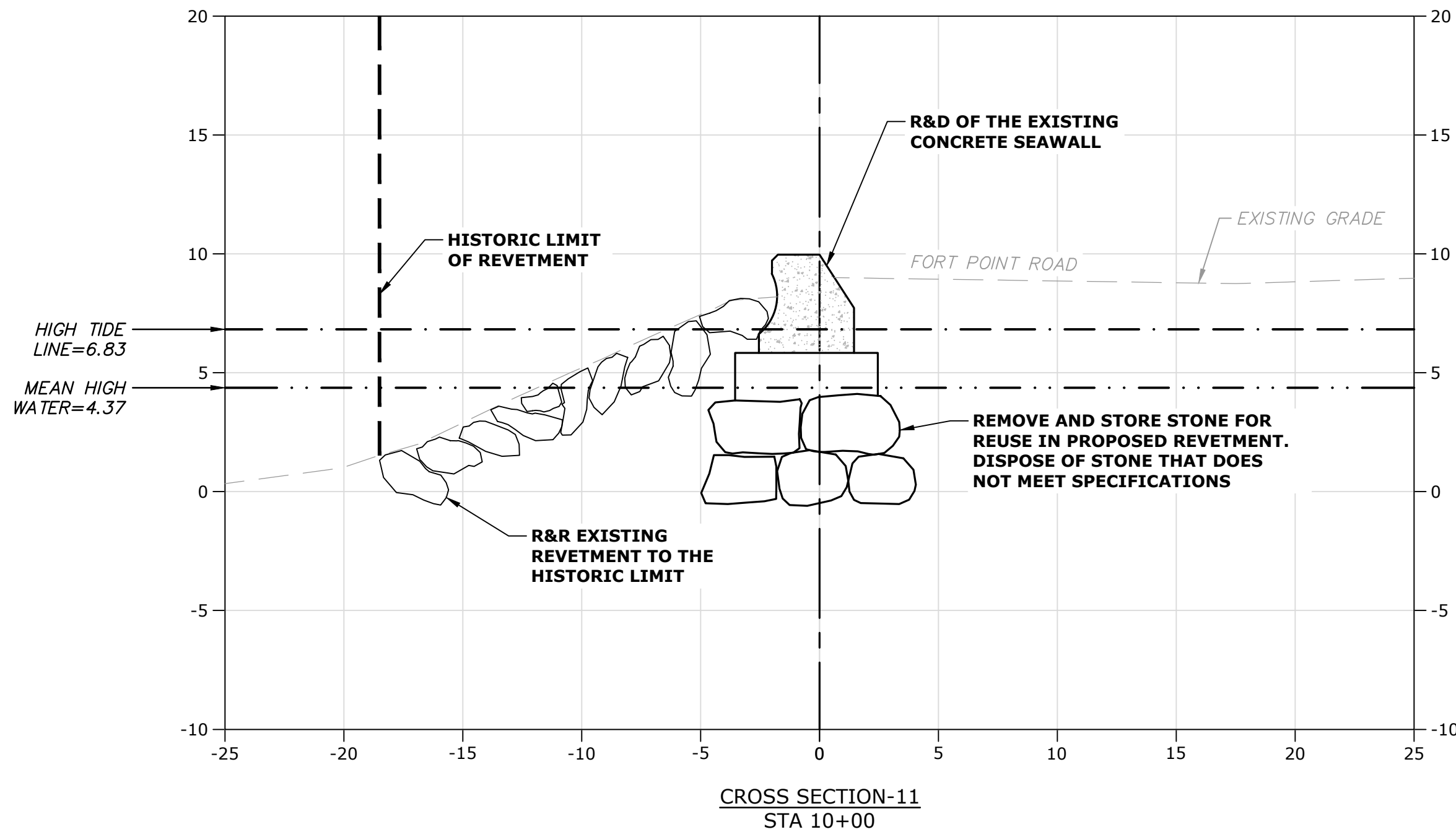
C.303



VERTICAL DATUM NOTE:

1. THE TIDAL DATA ABOVE WAS TAKEN FROM THE U.S. DEPARTMENT OF COMMERCE, NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION (NOAA) ONLINE VERTICAL DATUM TRANSFORMATION PROGRAM, DETERMINED AT THE FOLLOWING LOCATION:

STATION ID: 8444788
PID: NONE
LOCATION: WEYMOUTH FORE RIVER, MA
LATITUDE: 42.25 N
LONGITUDE: 70.97 W



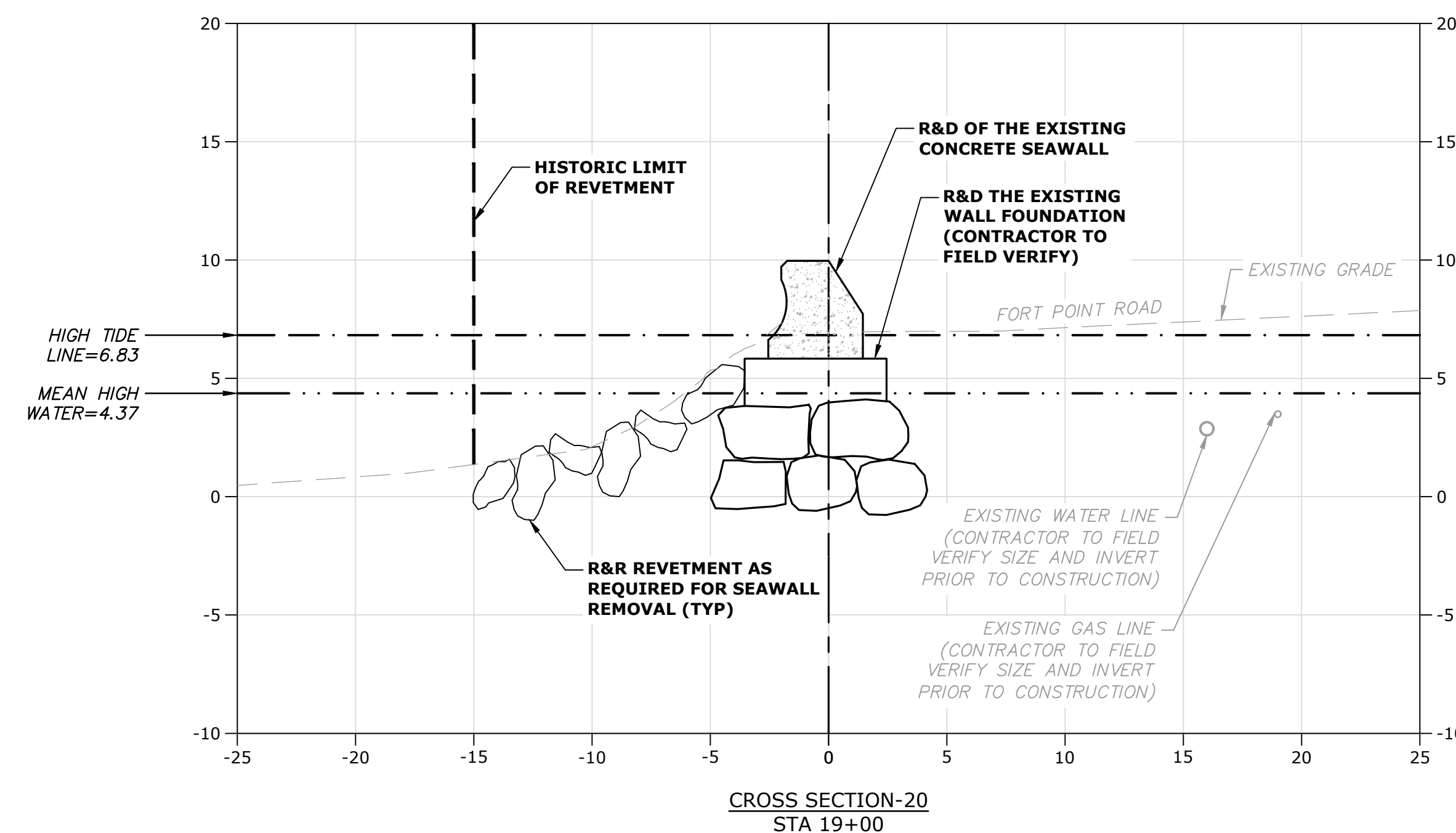
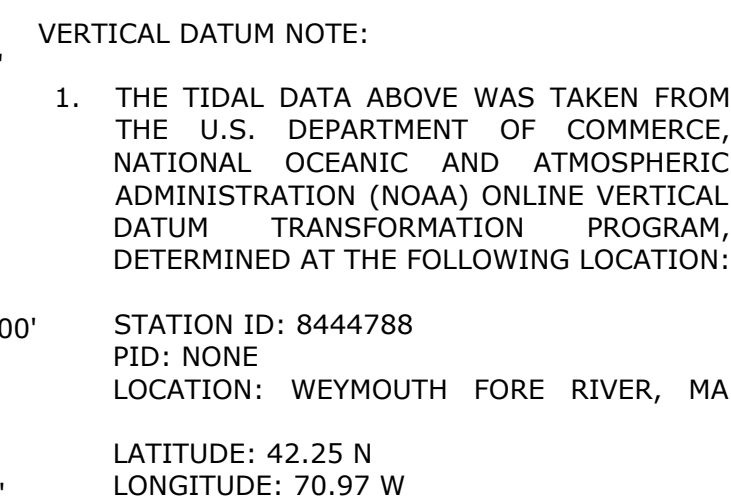
Weymouth,
Massachusetts

SCALE: AS SHOWN

SCALE IN FEET

0 5'

GRAPHIC SCALE



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...otted On: Apr 26, 2023 - 9:48pm By: Tlabbe
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Neck
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Project

Town of
Weymouth, MA

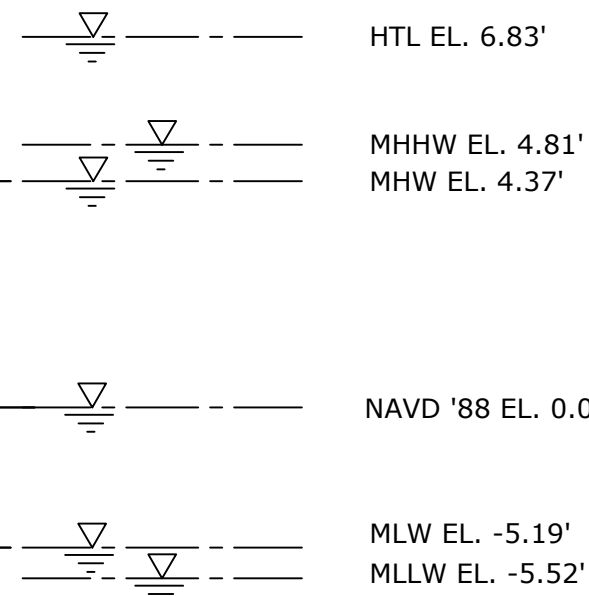
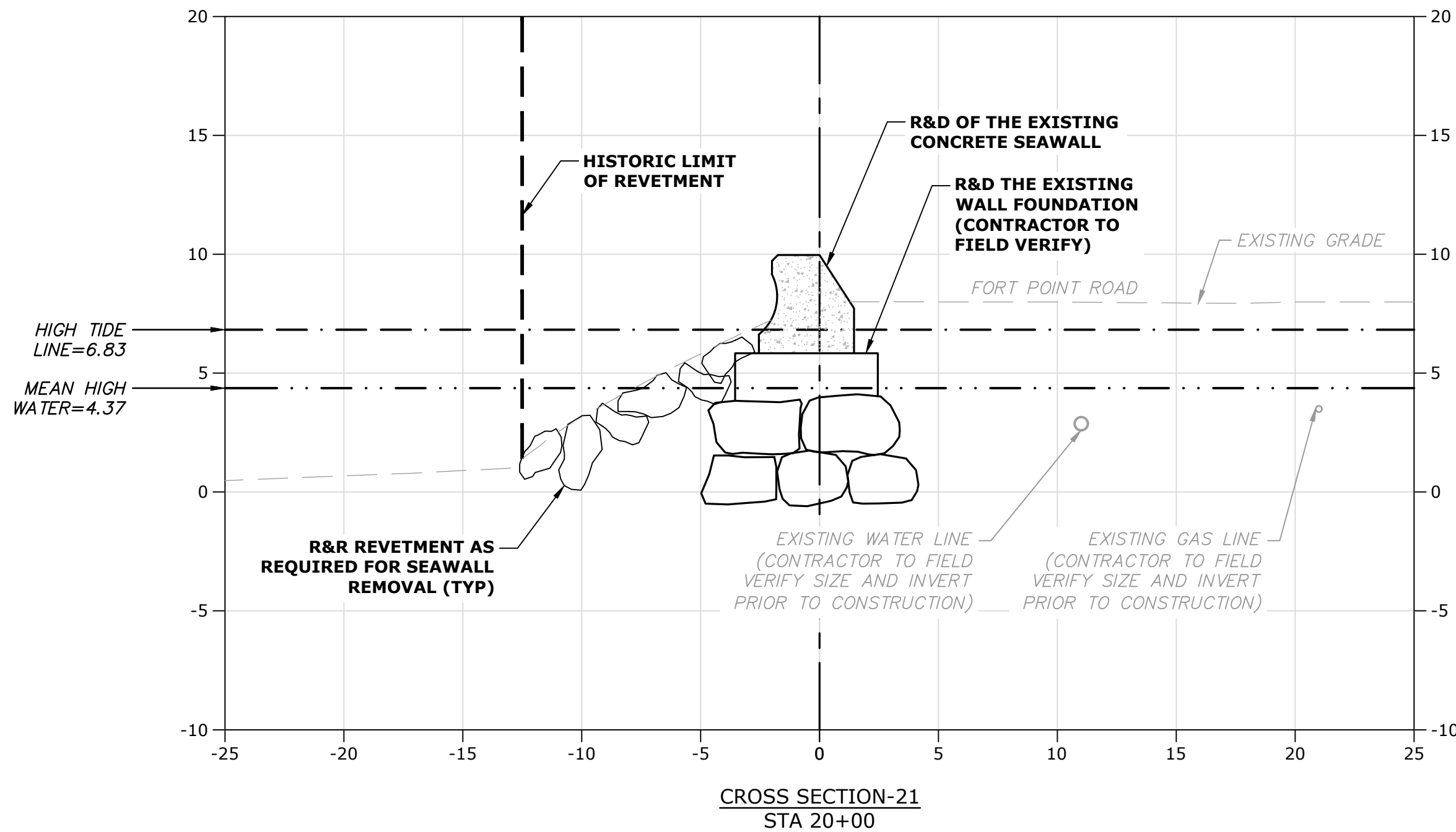
Weymouth,
Massachusetts

MARK	DATE	DESCRIPTION
PROJECT NO: W2176-005A		
DATE:	January 3, 2023	
FILE:	W2176-005A-C-DSGN.dwg	
DRAWN BY:	TAL/MKF/CJK	
CHECKED:	DGM	
APPROVED:	FJH	

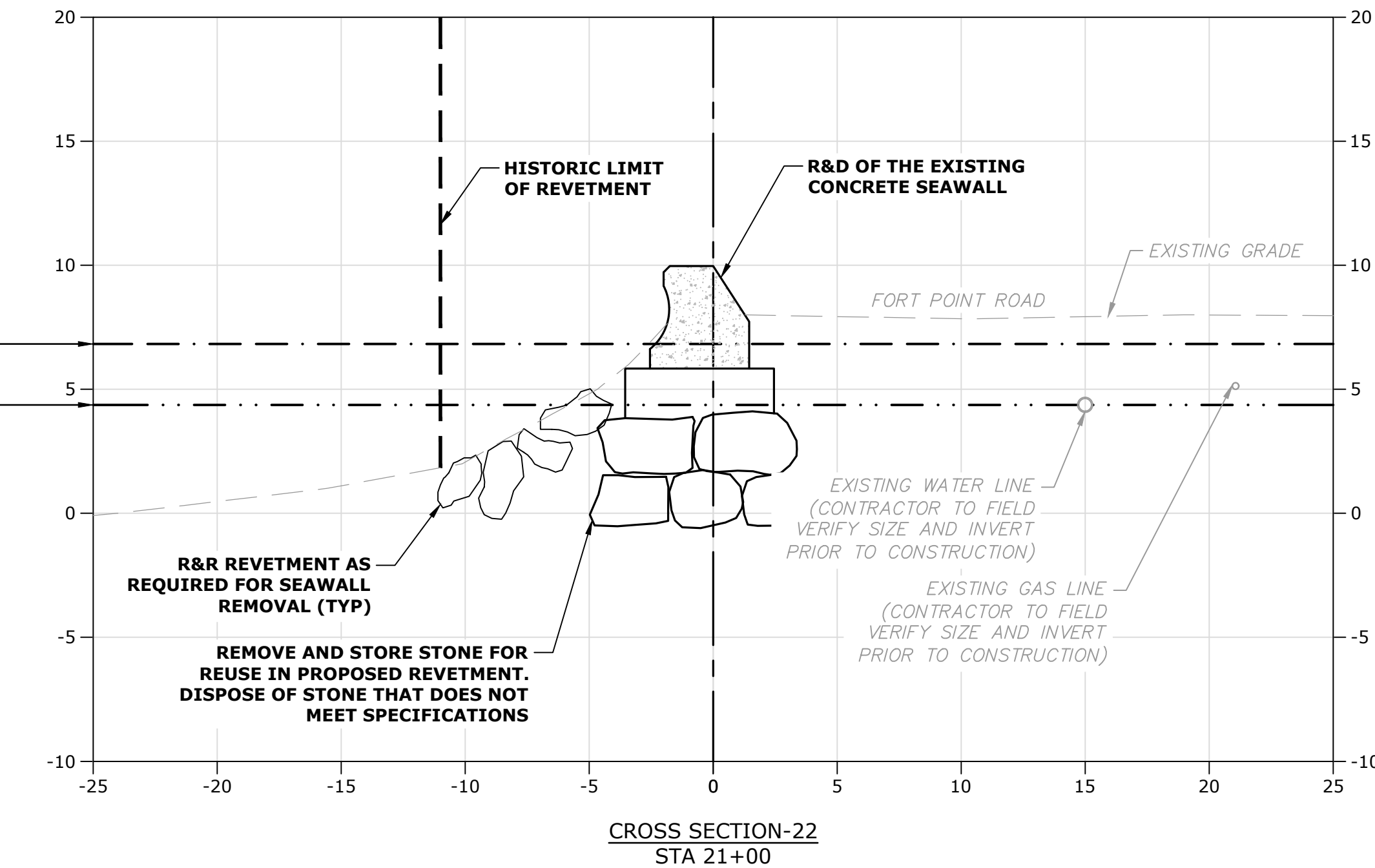
EXISTING
CROSS-SECTIONS - 6

SCALE: AS SHOWN

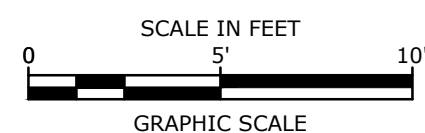
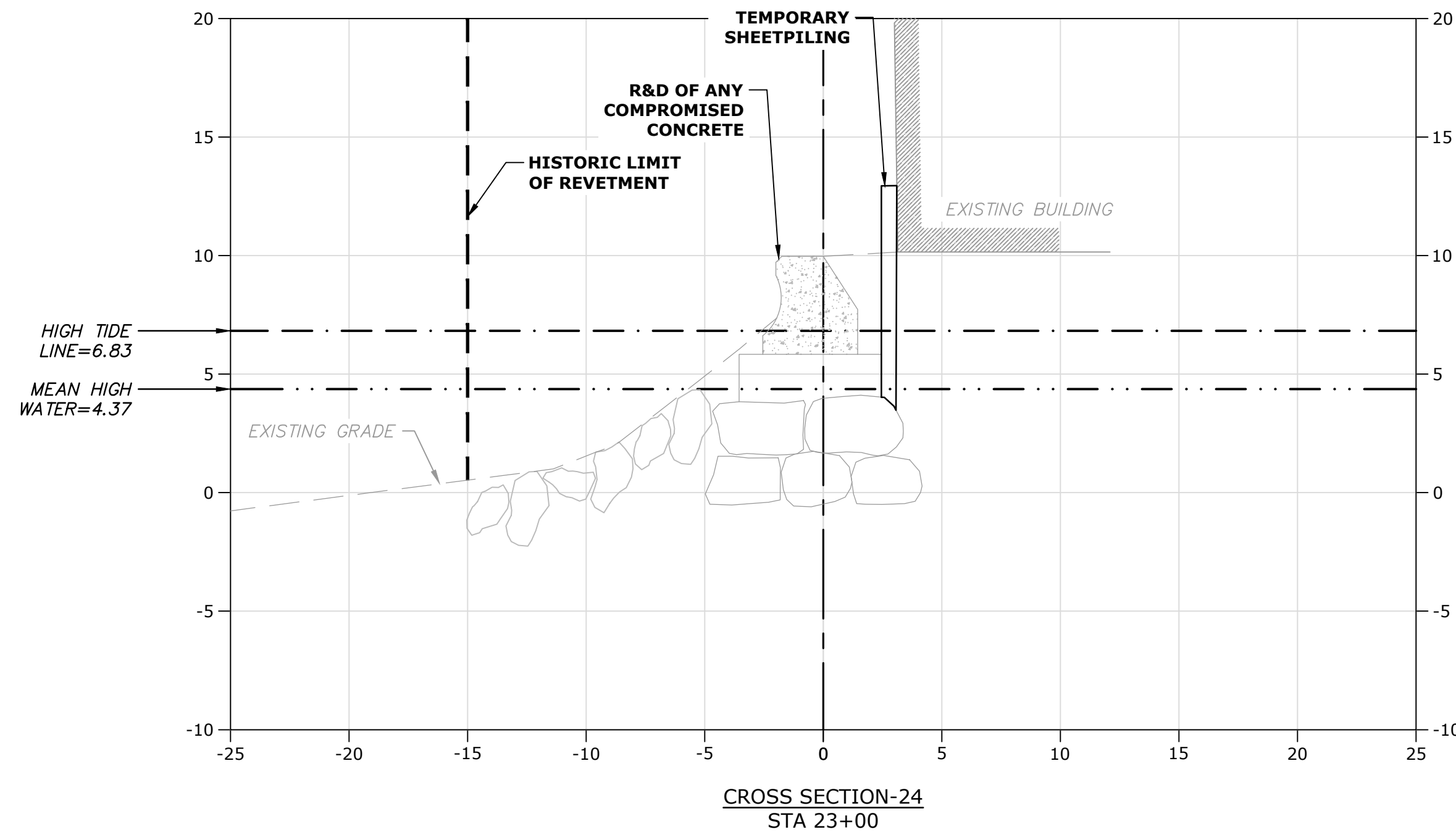
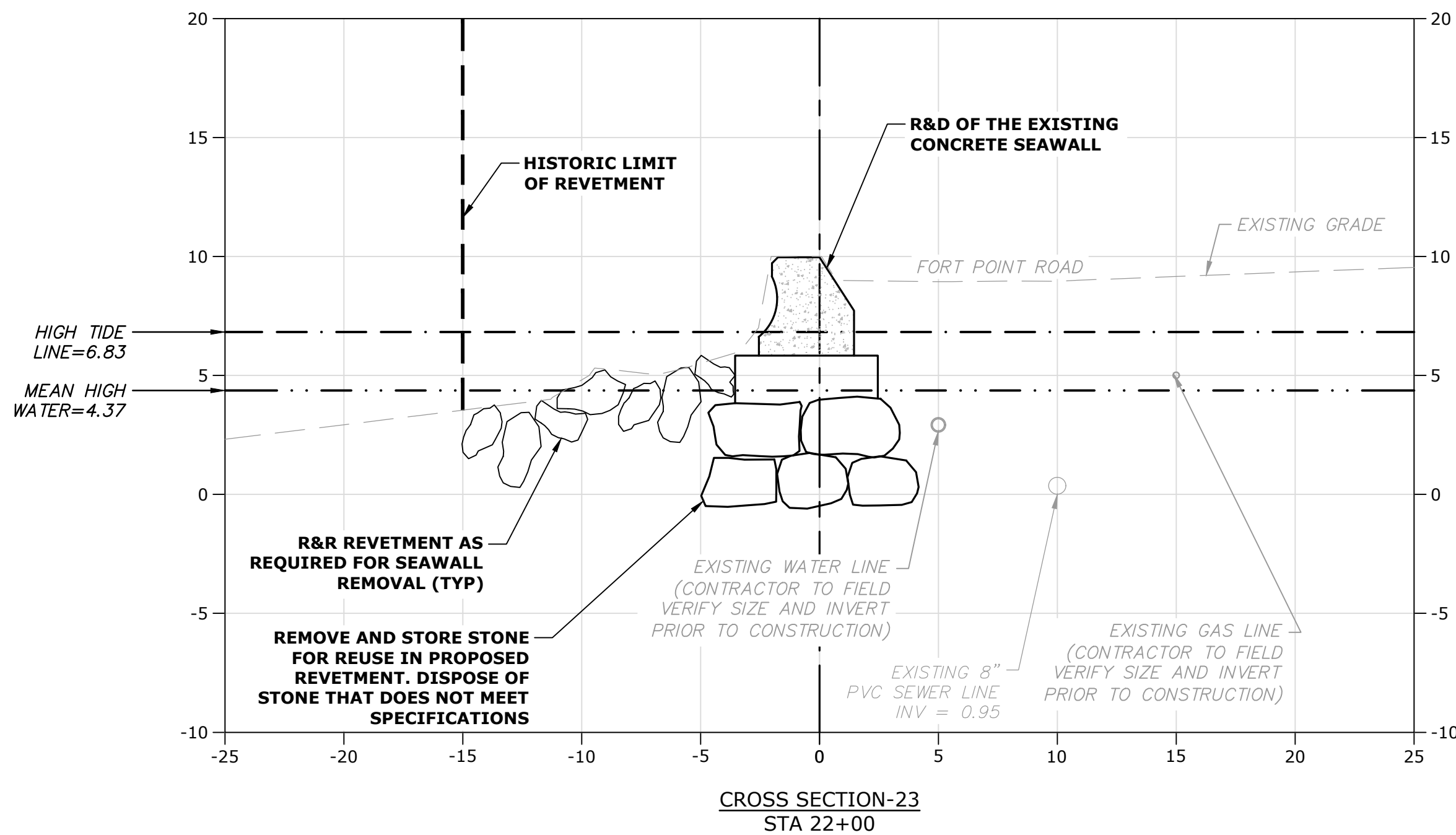
C.306

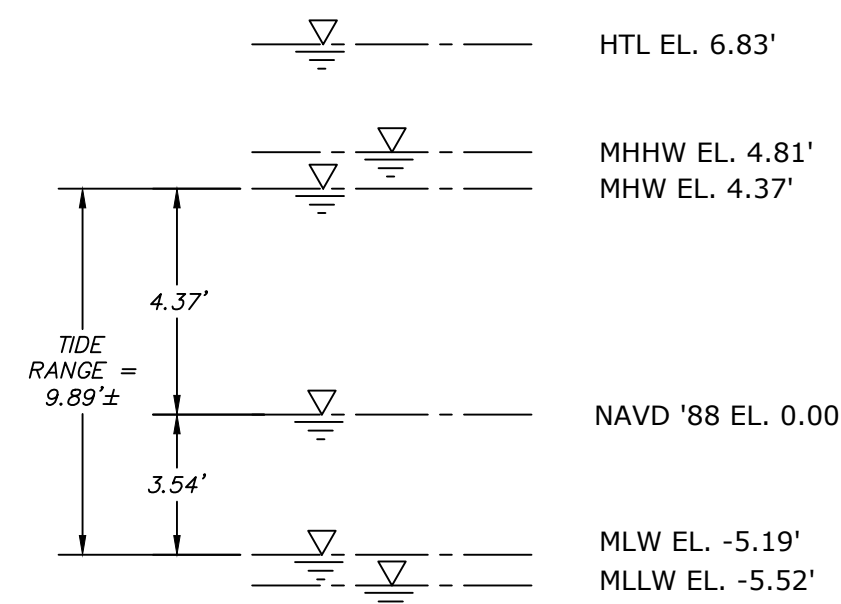
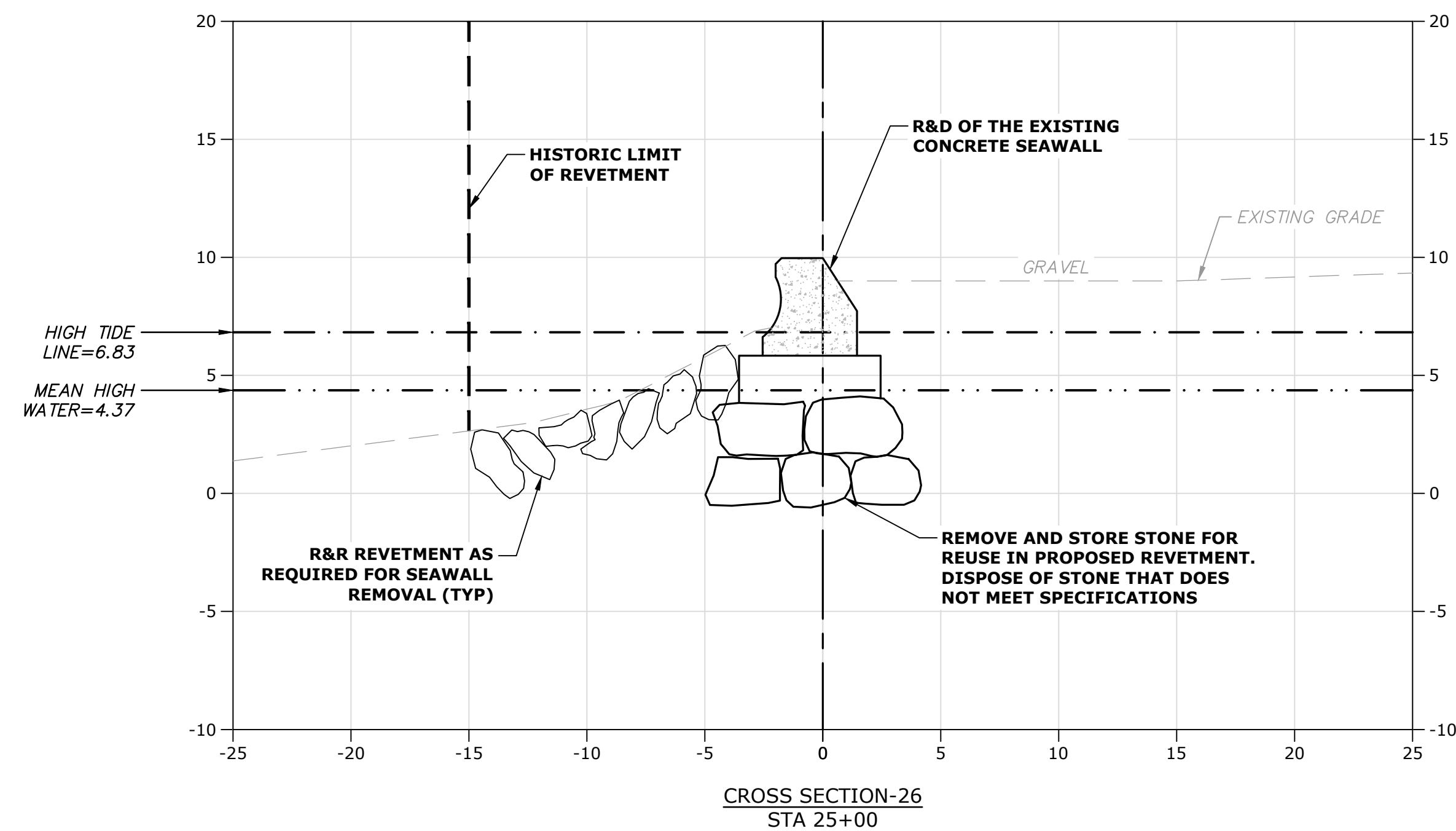
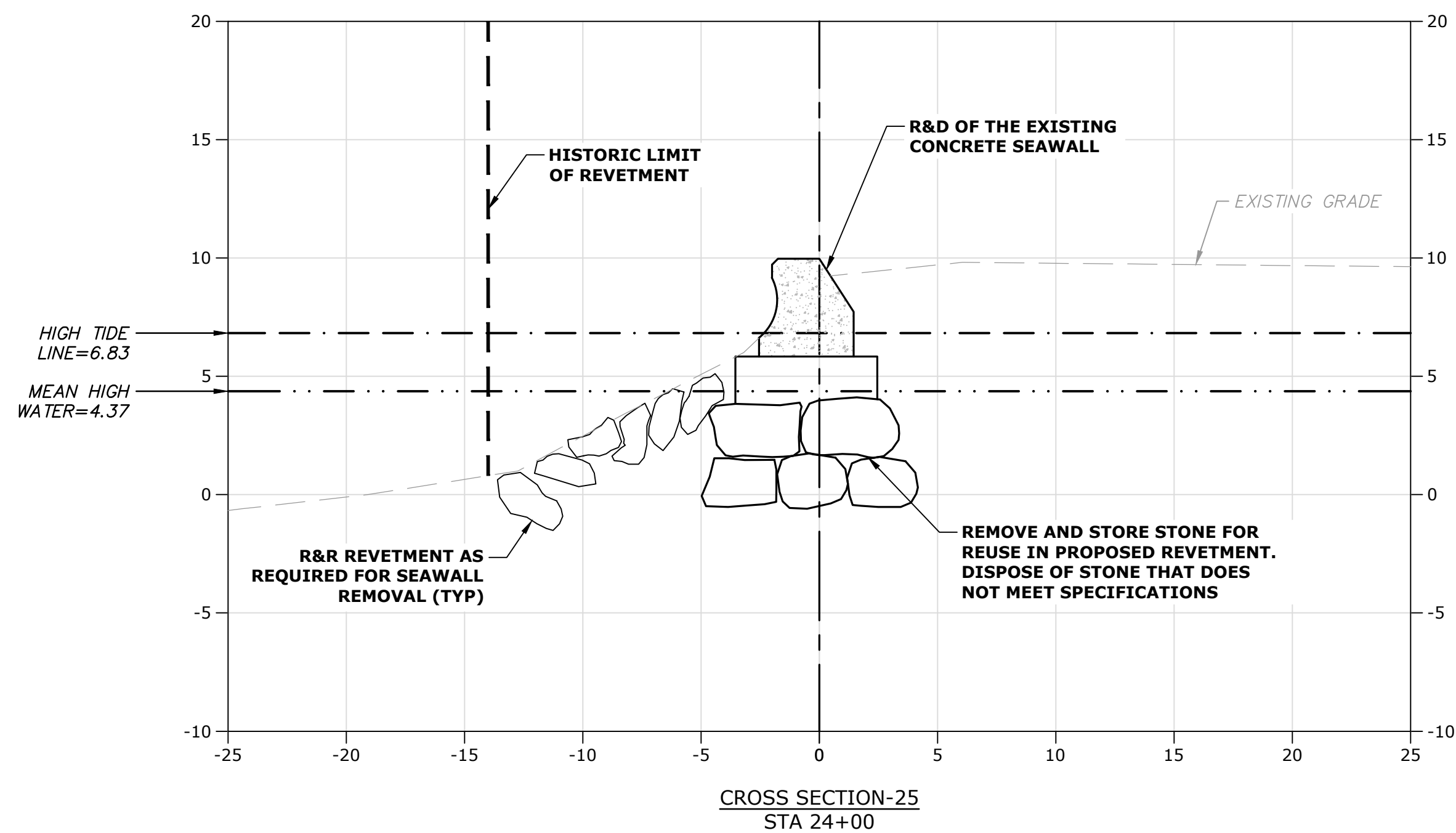


VERTICAL DATUM CONVERSION DIAGRAM



VERTICAL DATUM NOTE:
1. THE TIDAL DATA ABOVE WAS TAKEN FROM THE U.S. DEPARTMENT OF COMMERCE, NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION (NOAA) ONLINE VERTICAL DATUM TRANSFORMATION PROGRAM, DETERMINED AT THE FOLLOWING LOCATION:
STATION ID: 8444788
PID: NONE
LOCATION: WEYMOUTH FORE RIVER, MA
LATITUDE: 42.25 N
LONGITUDE: 70.97 W





VERTICAL DATUM NOTE:

1. THE TIDAL DATA ABOVE WAS TAKEN FROM THE U.S. DEPARTMENT OF COMMERCE, NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION (NOAA) ONLINE VERTICAL DATUM TRANSFORMATION PROGRAM, DETERMINED AT THE FOLLOWING LOCATION:

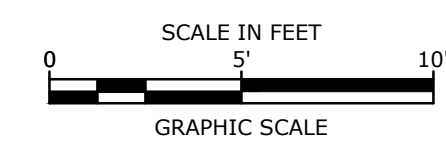
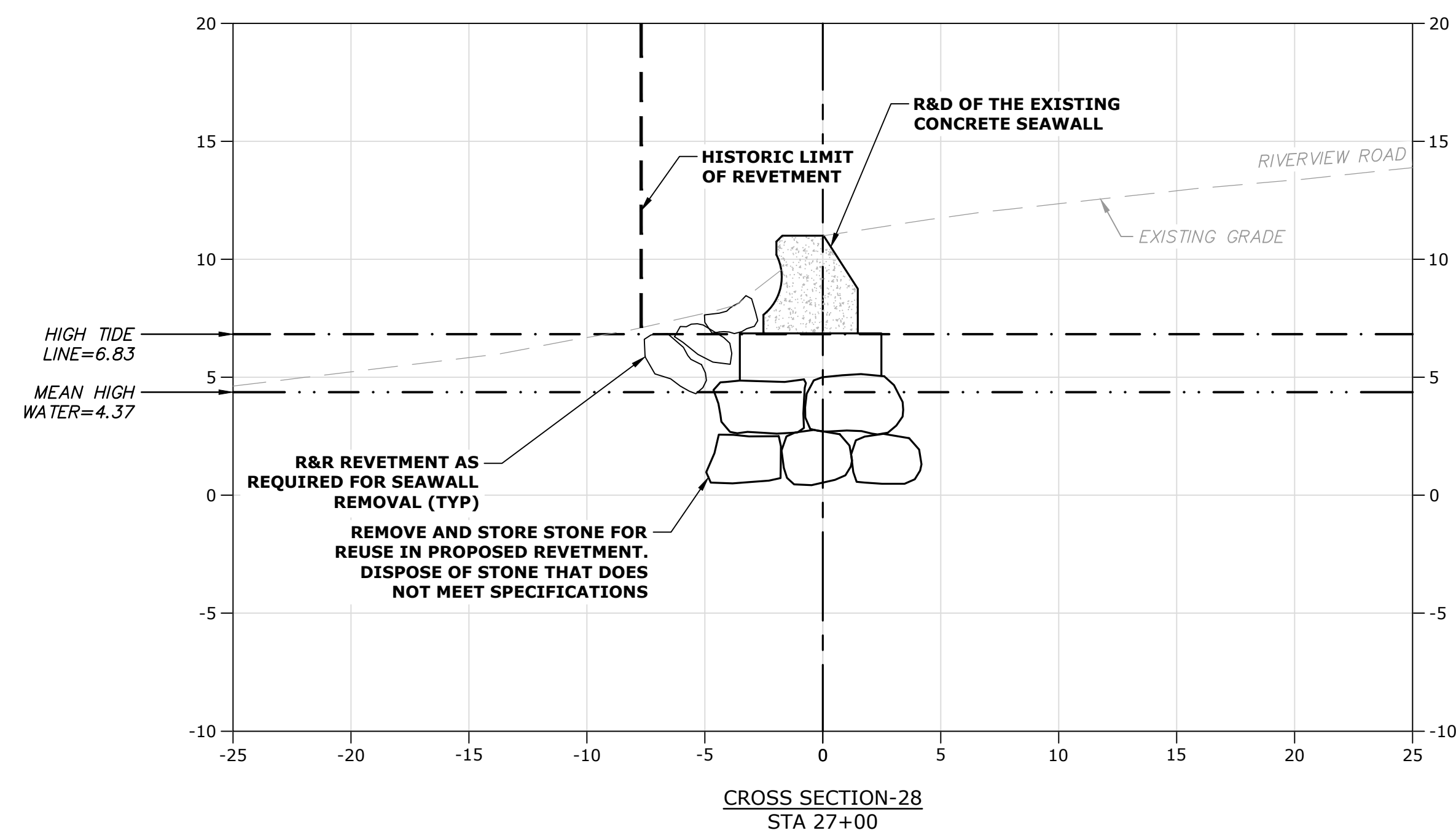
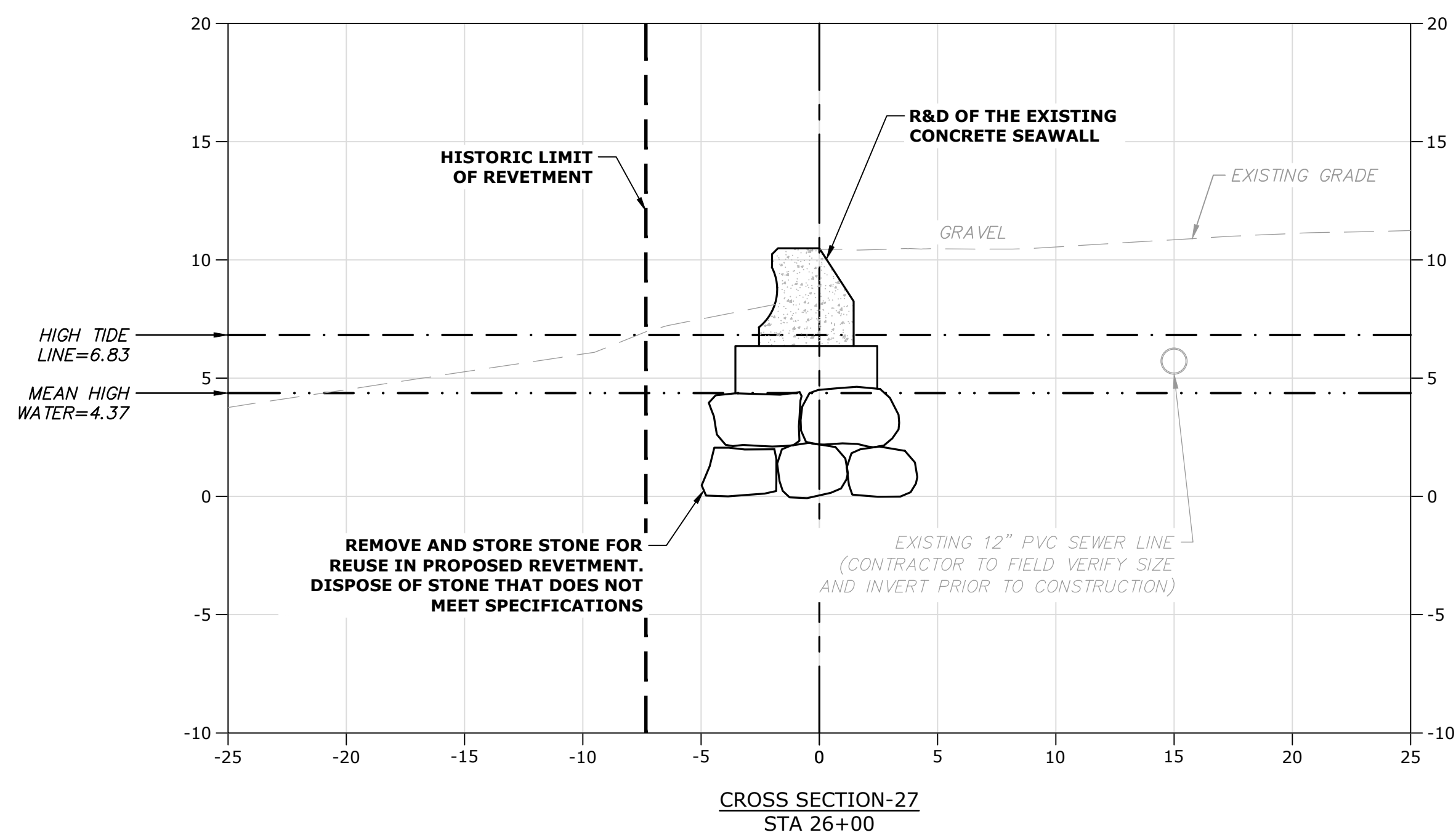
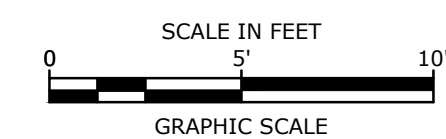
STATION ID: 8444788

PID: NONE

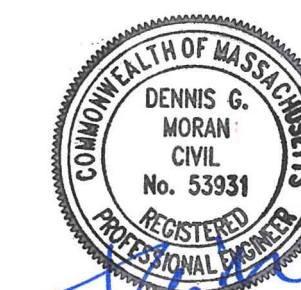
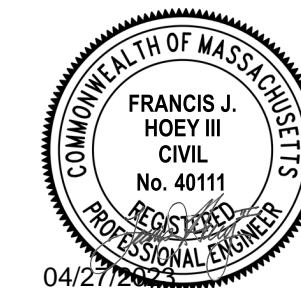
LOCATION: WEYMOUTH FORE RIVER, MA

LATITUDE: 42.25 N

LATITUDE: 42.23 N
LONGITUDE: 70.97 W



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Massachusetts

[illegible]

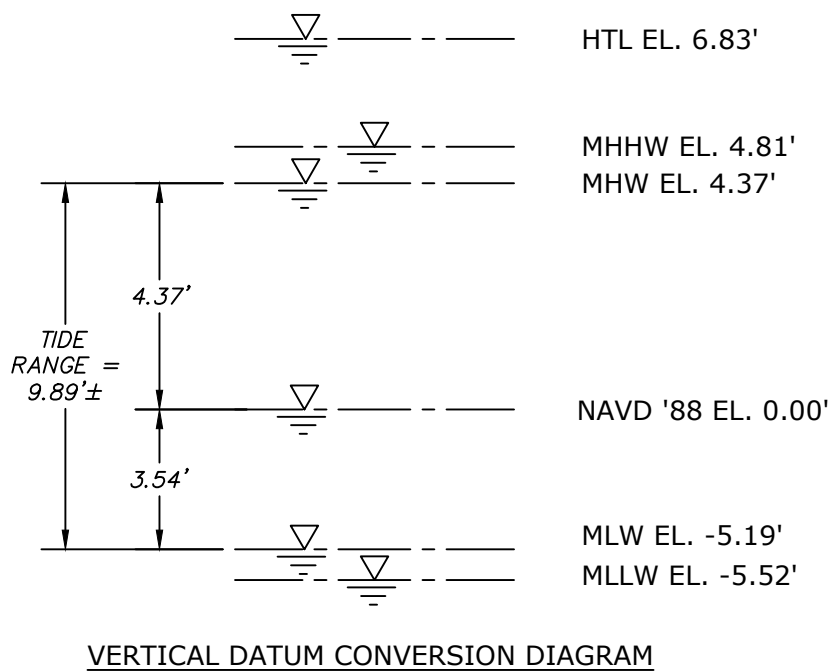
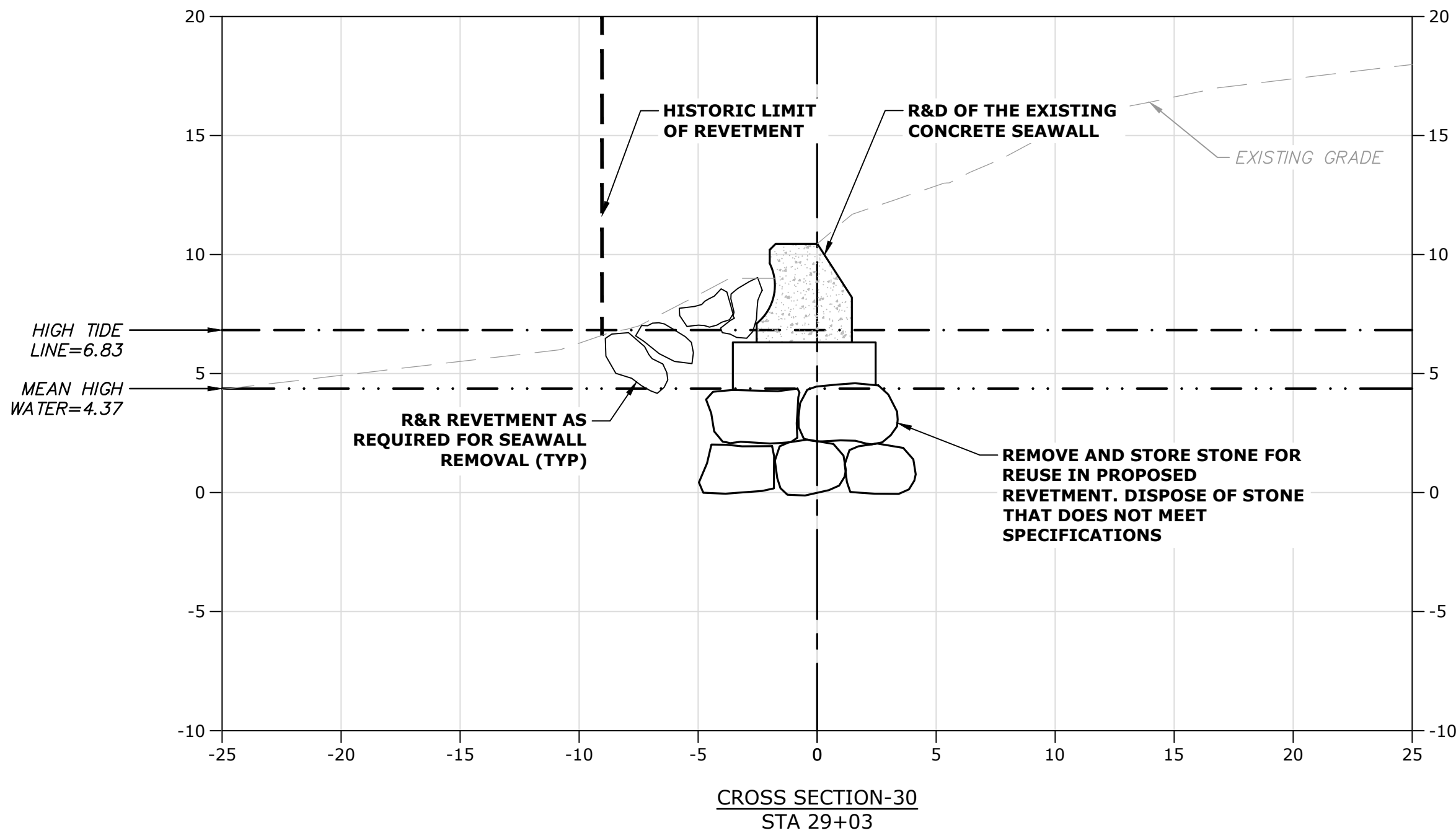
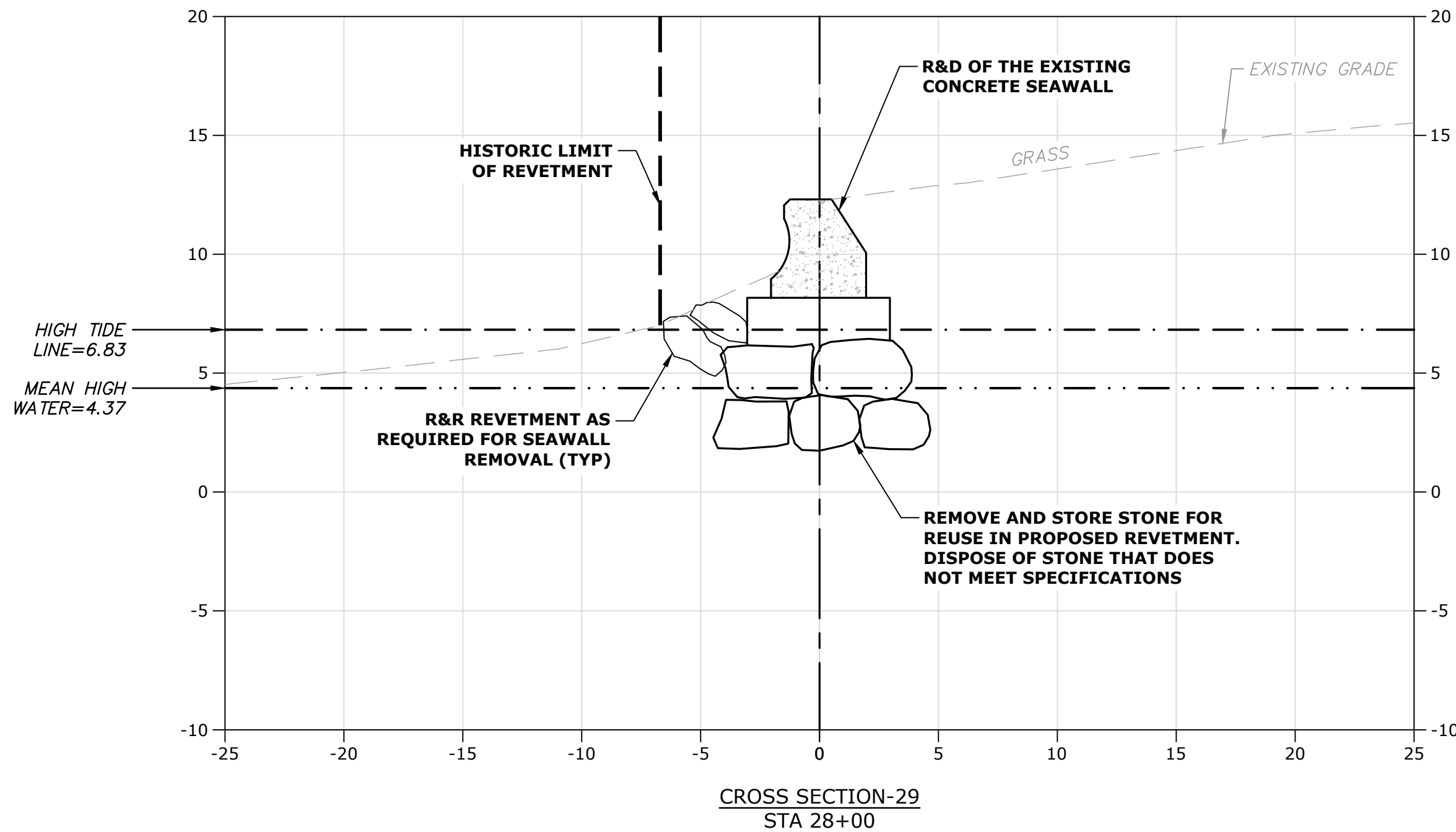
EXISTING CROSS-SECTIONS - 7

SCALE: AS SHOWN

C.307

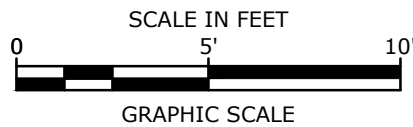
Plot On: Apr 26, 2023 - 9:49pm By: Tlabbe
Title & Bond: \\lightbond.com\data\data\Projects\W12176 Weymouth\005A FPR_COASTAL_IMP\Drawings_Figures\AutoCAD_Sheet\W2176-005A-C-DSGN.dwg
Last Saved: 4/26/2023

Last Saved: 4/26/2023 9:49pm By: Tlabbe
Printed On: Apr 26, 2023 9:49pm
File & Print: Weymouth\005A-FPR_COASTAL_IMPR\Drawings_Figures\AutoCAD\Sheet\W2176-005A-C-DSGN.dwg



VERTICAL DATUM NOTE:

1. THE TIDAL DATA ABOVE WAS TAKEN FROM THE U.S. DEPARTMENT OF COMMERCE, NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION (NOAA) ONLINE VERTICAL DATUM TRANSFORMATION PROGRAM, DETERMINED AT THE FOLLOWING LOCATION:
STATION ID: 8444788
PID: NONE
LOCATION: WEYMOUTH FORE RIVER, MA
LATITUDE: 42.25 N
LONGITUDE: 70.97 W



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Project

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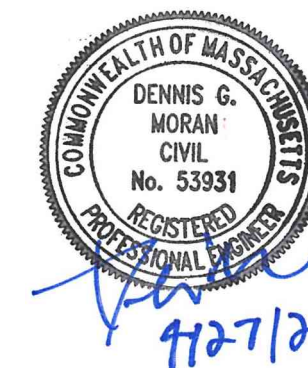
Weymouth,
Massachusetts

MARK	DATE	DESCRIPTION
PROJECT NO: W2176-005A		
DATE:	January 3, 2023	
FILE:	W2176-005A-C-DSGN.dwg	
DRAWN BY:	TAL/MKF/CJK	
CHECKED:	DGM	
APPROVED:	FJH	

EXISTING
CROSS-SECTIONS - 8

SCALE: AS SHOWN

C.308



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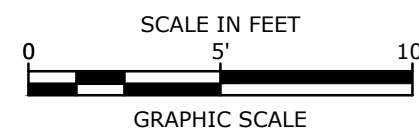
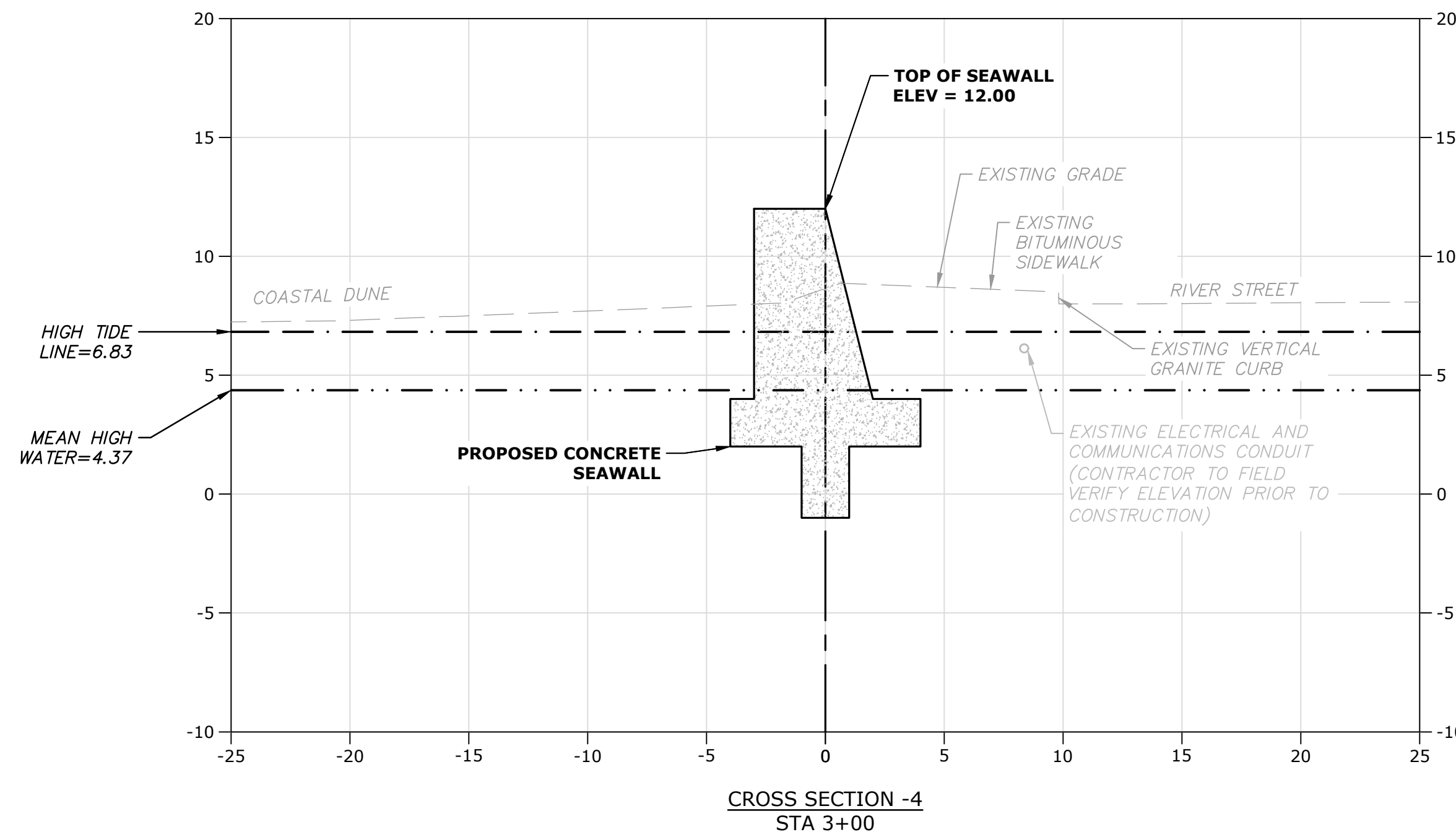
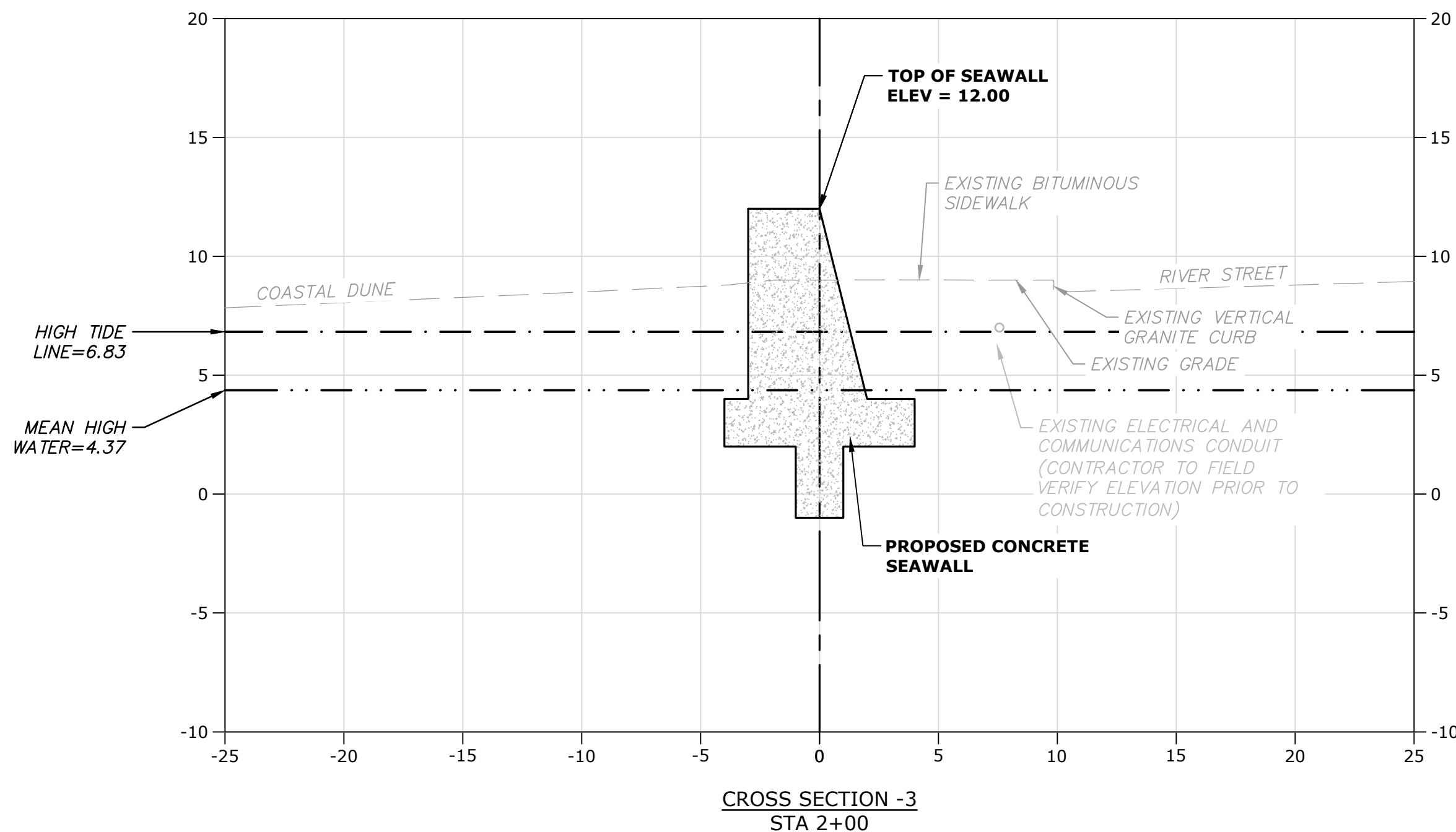
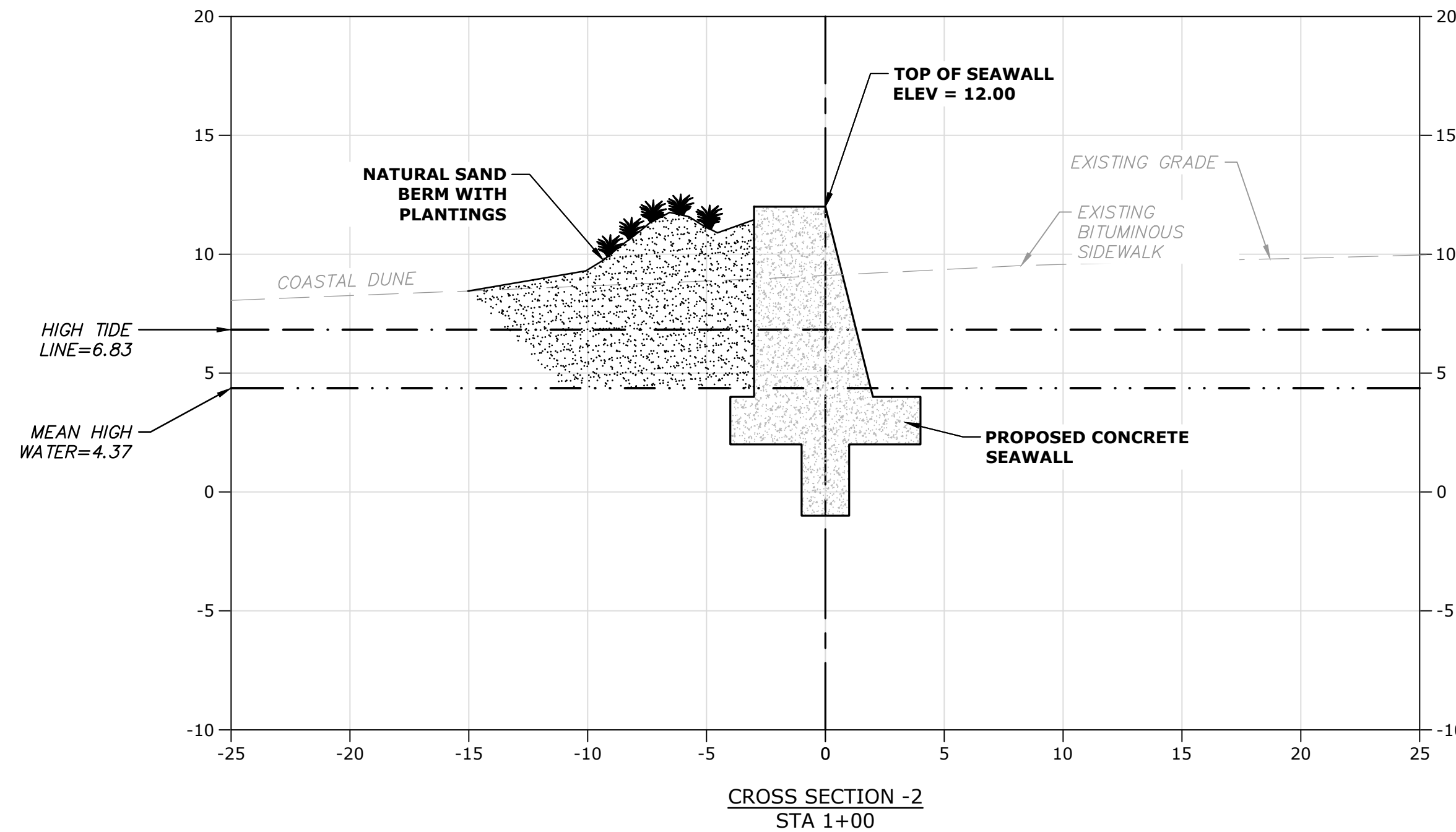
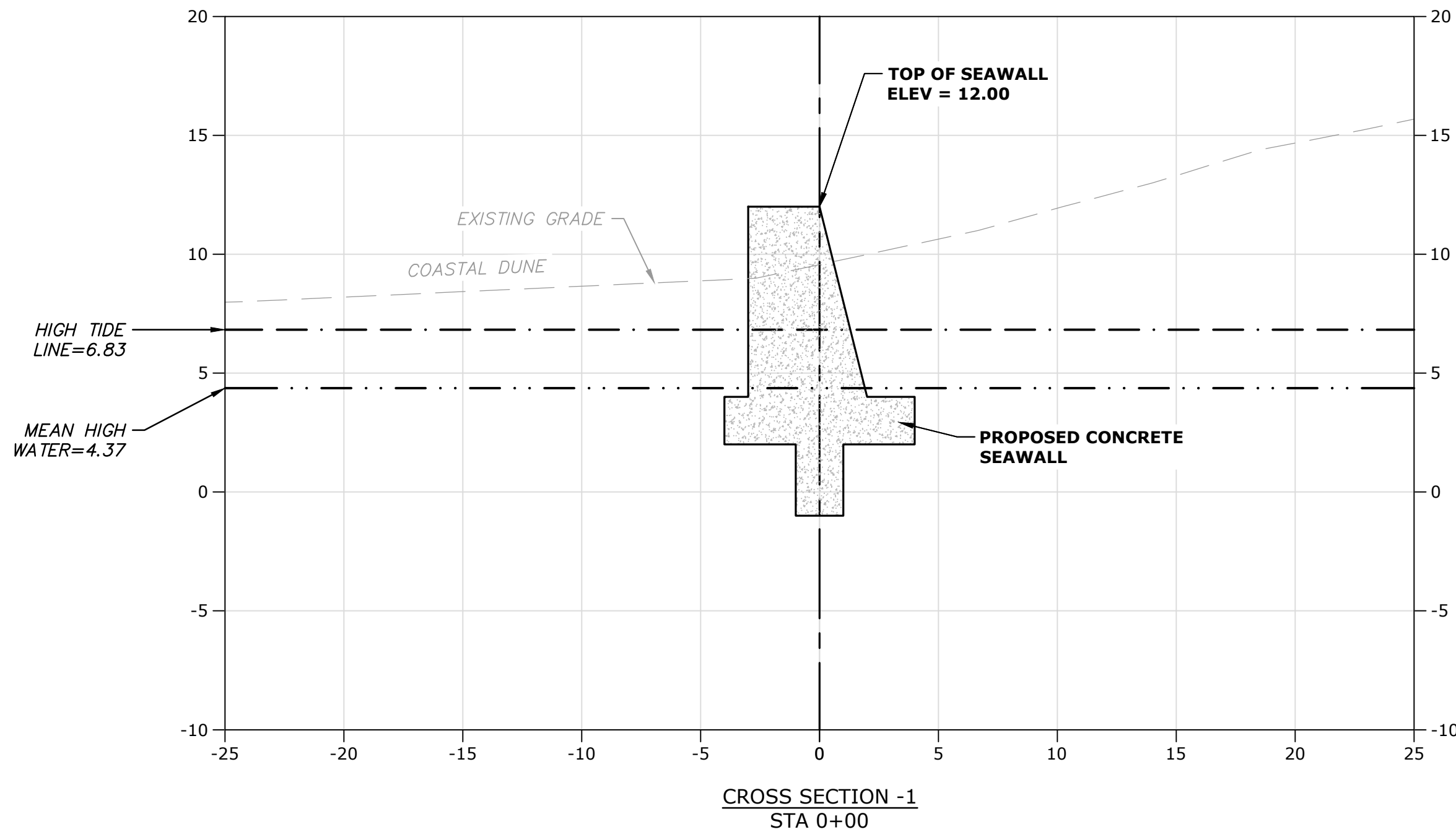
Weymouth,
Massachusetts

MARK	DATE	DESCRIPTION
PROJECT NO: W2176-005A		
DATE: January 3, 2023		
FILE: W2176-005A-C-DSGN.dwg		
DRAWN BY: TAL/MKF/CJK		
CHECKED: DGM		
APPROVED: FJH		

PROPOSED
CROSS-SECTIONS - 1

SCALE: AS SHOWN

C.401



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Weymouth Neck Infrastructure Improvements Project

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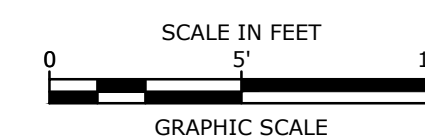
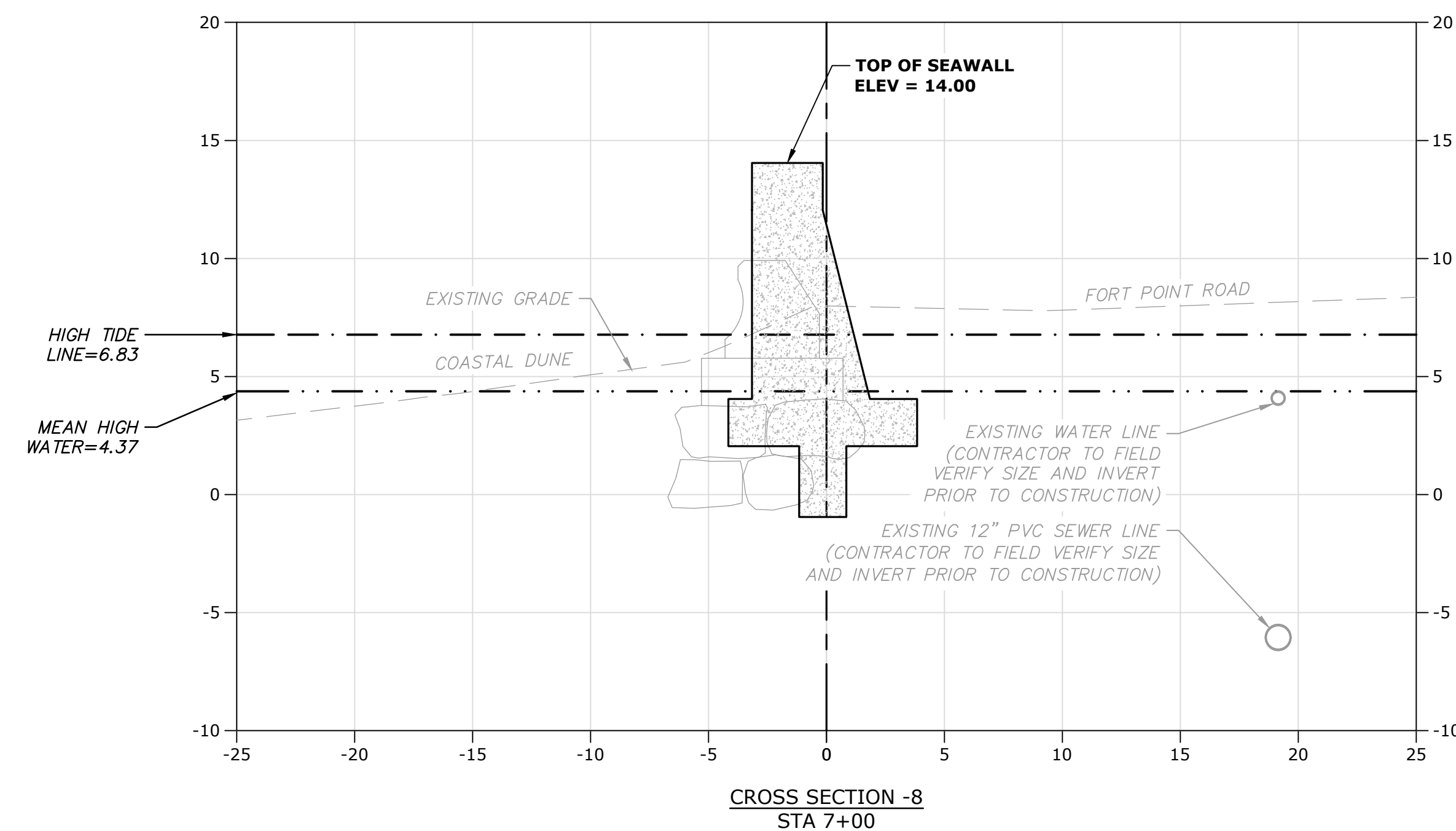
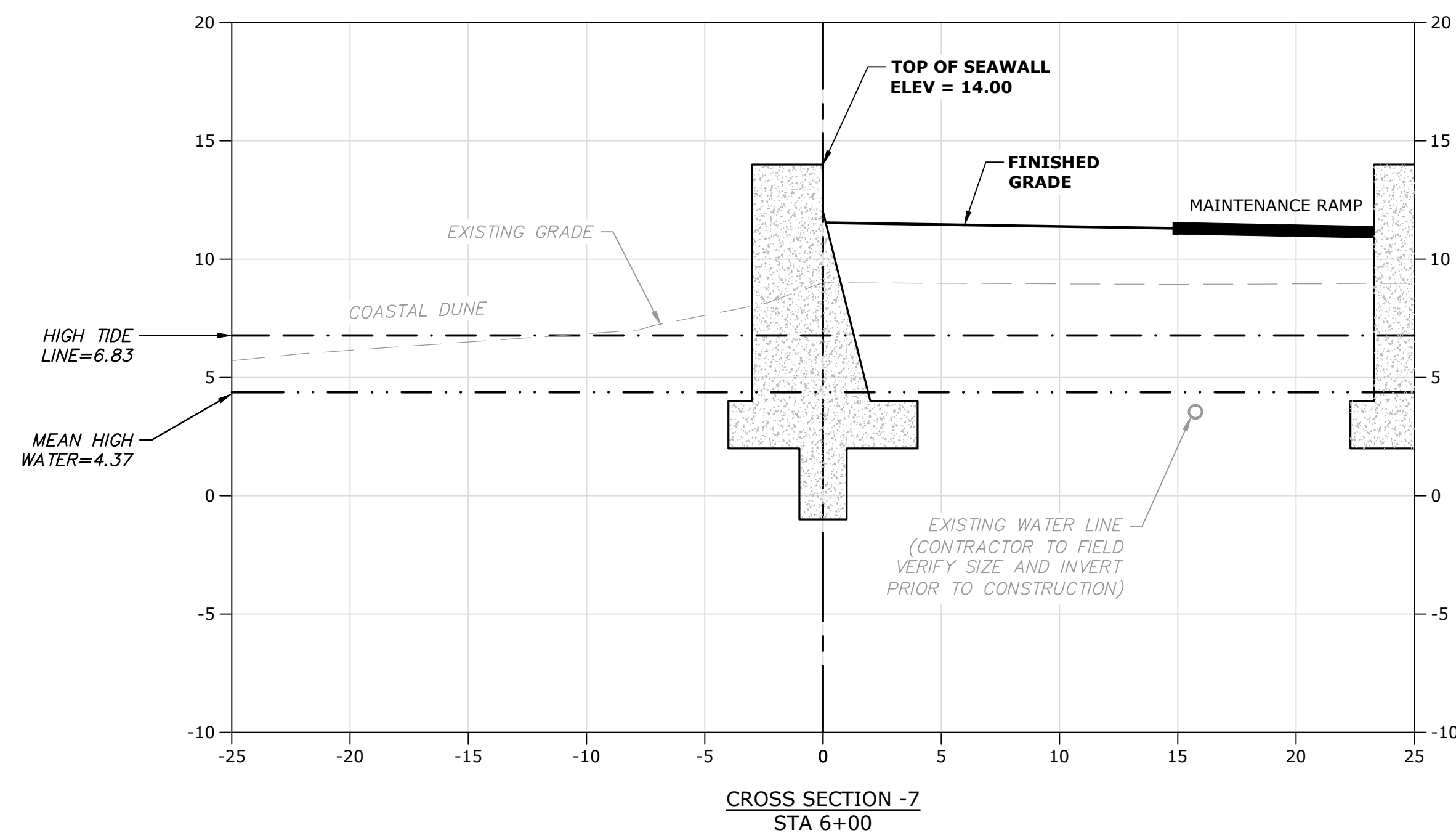
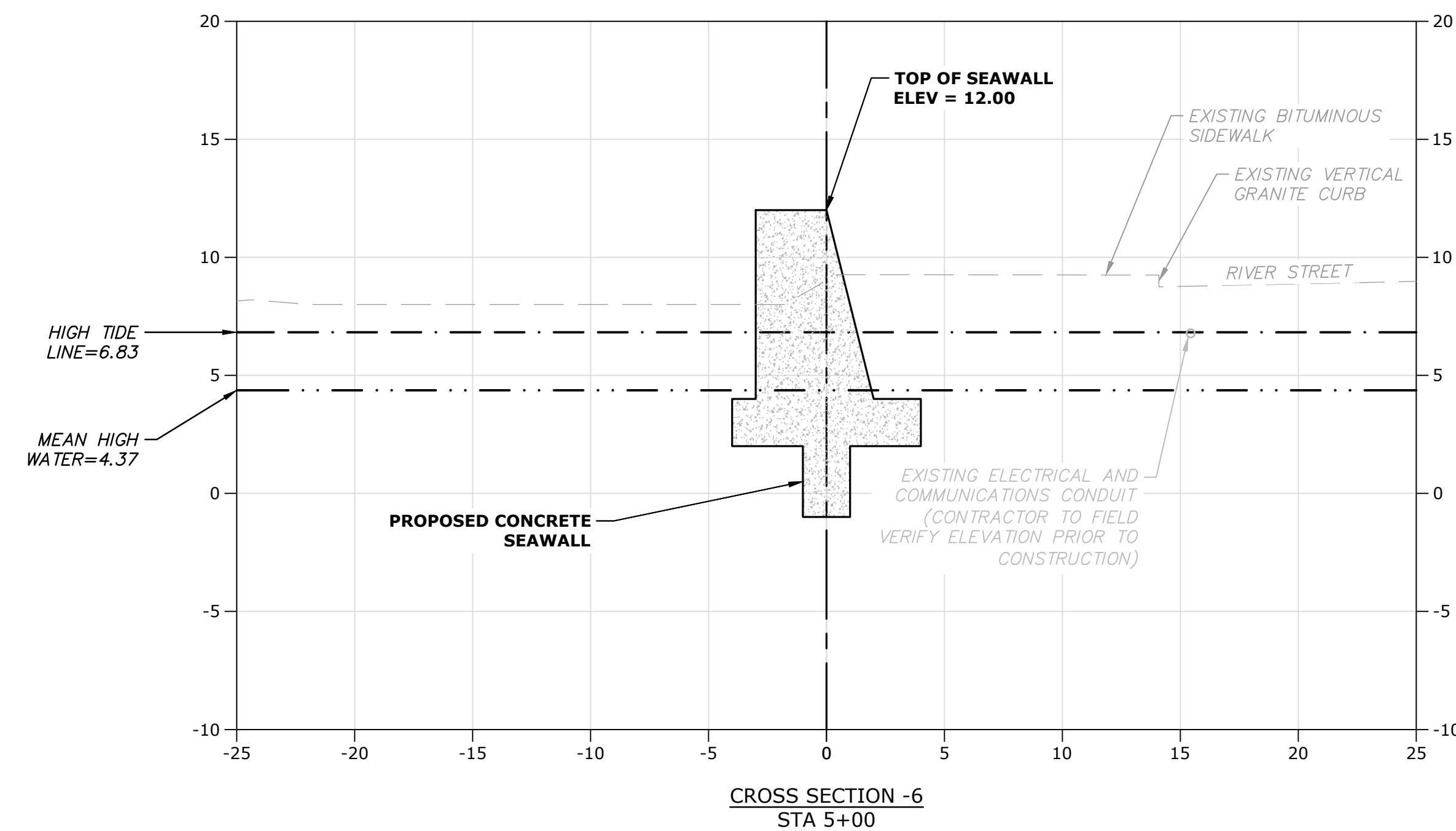
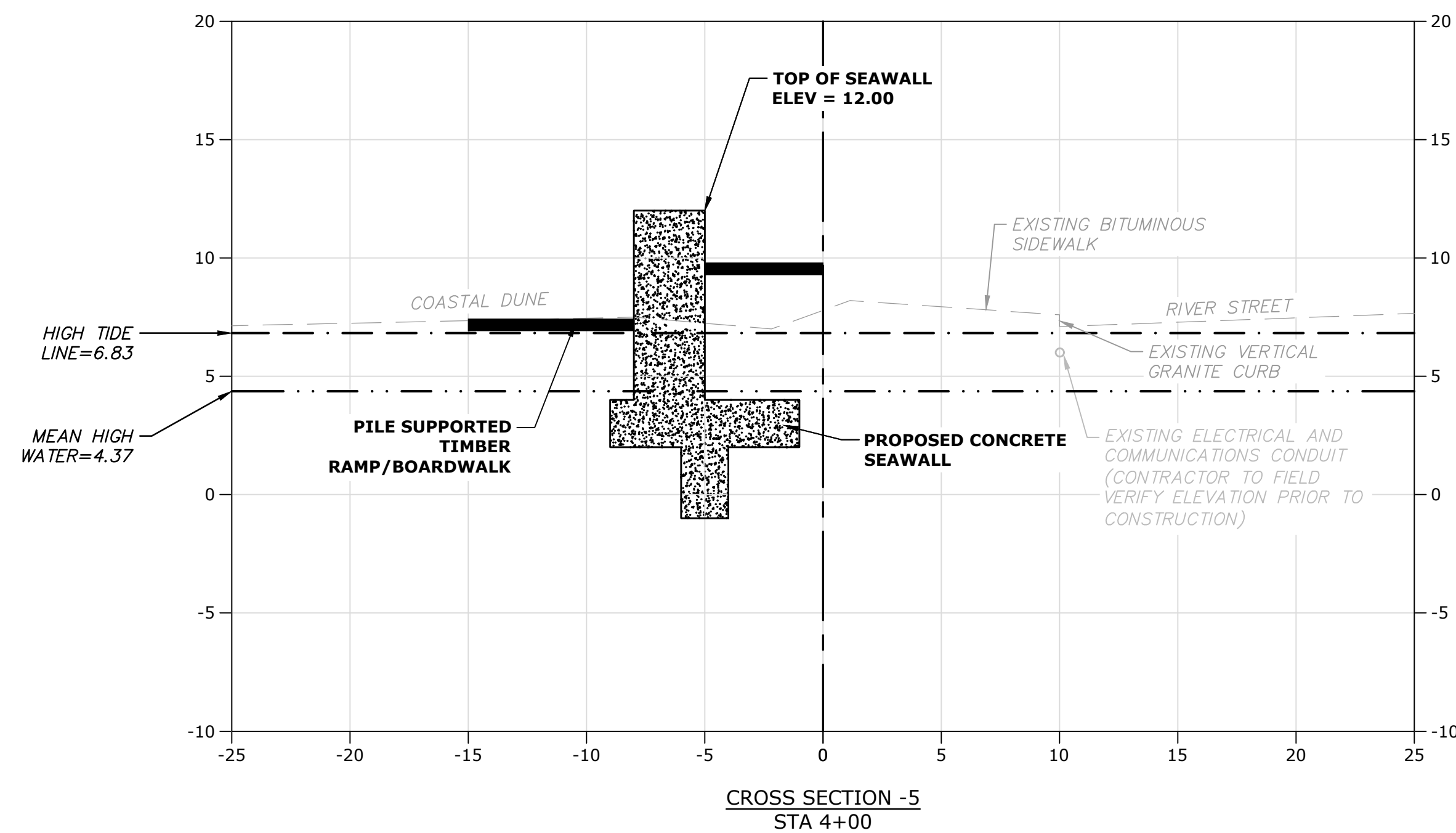
Weymouth,
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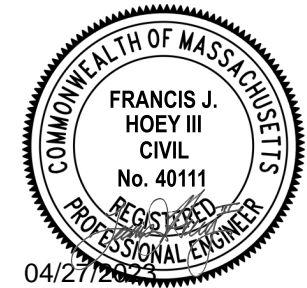
MARK	DATE	DESCRIPTION
PROJECT NO: W2176-005A		
DATE: January 3, 2023		
FILE: W2176-005A-C-DSGN.dwg		
DRAWN BY: TAL/MKF/CJK		
CHECKED: DGM		
APPROVED: FJH		

**PROPOSED
CROSS-SECTIONS - 2**

SCALE: AS SHOWN

C.402





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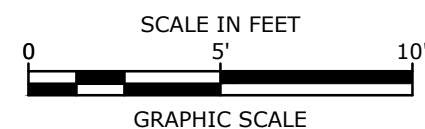
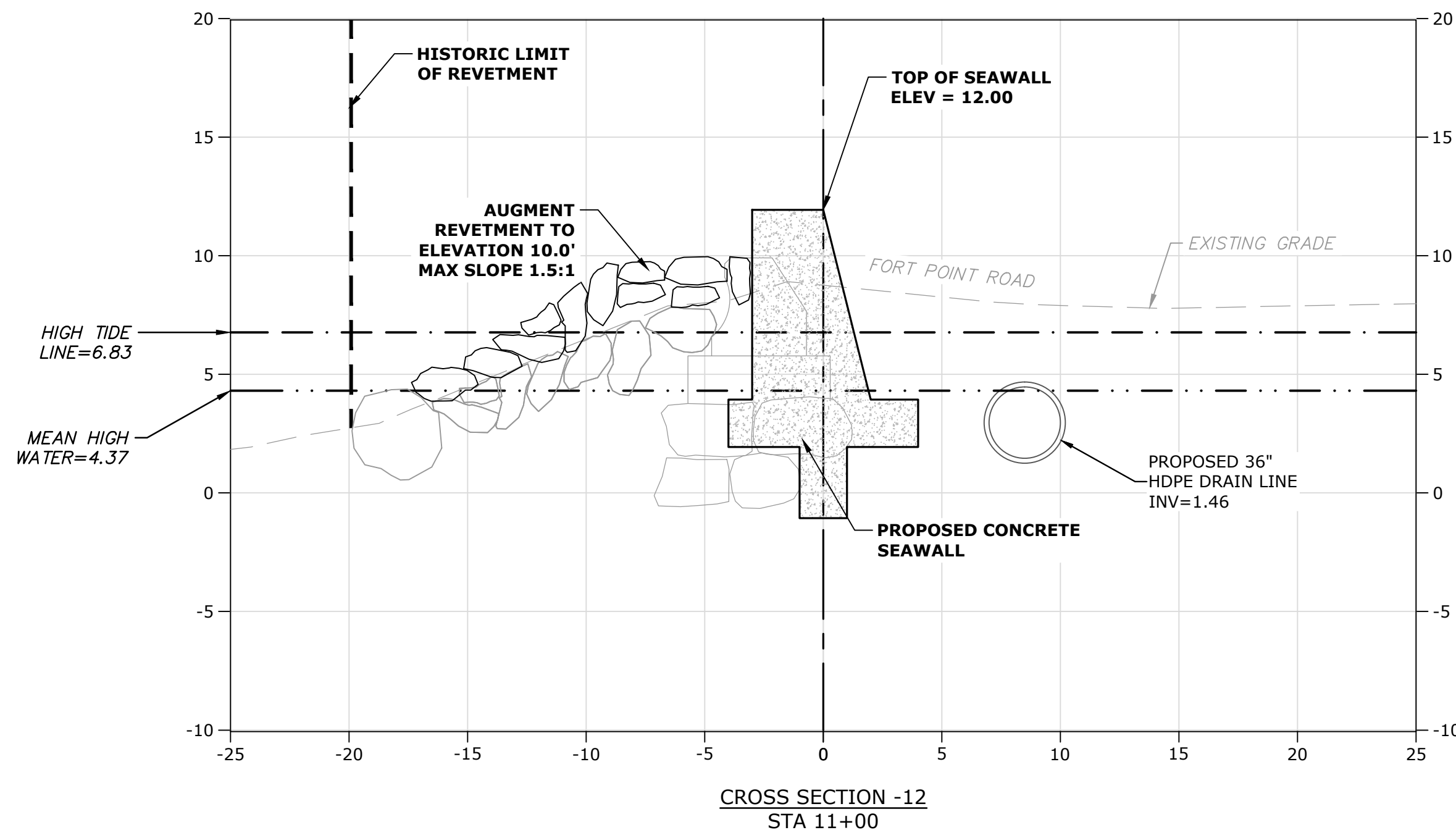
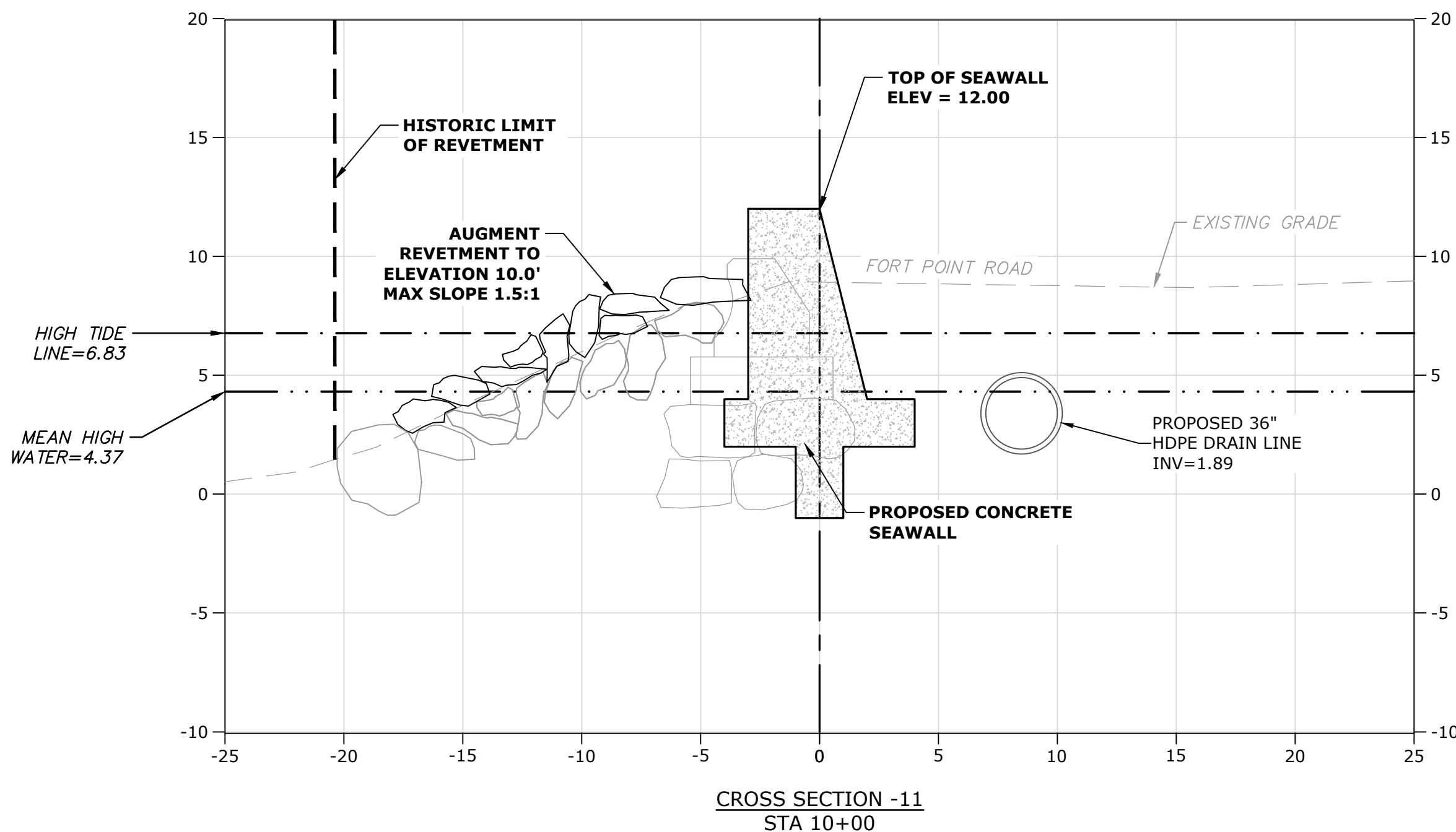
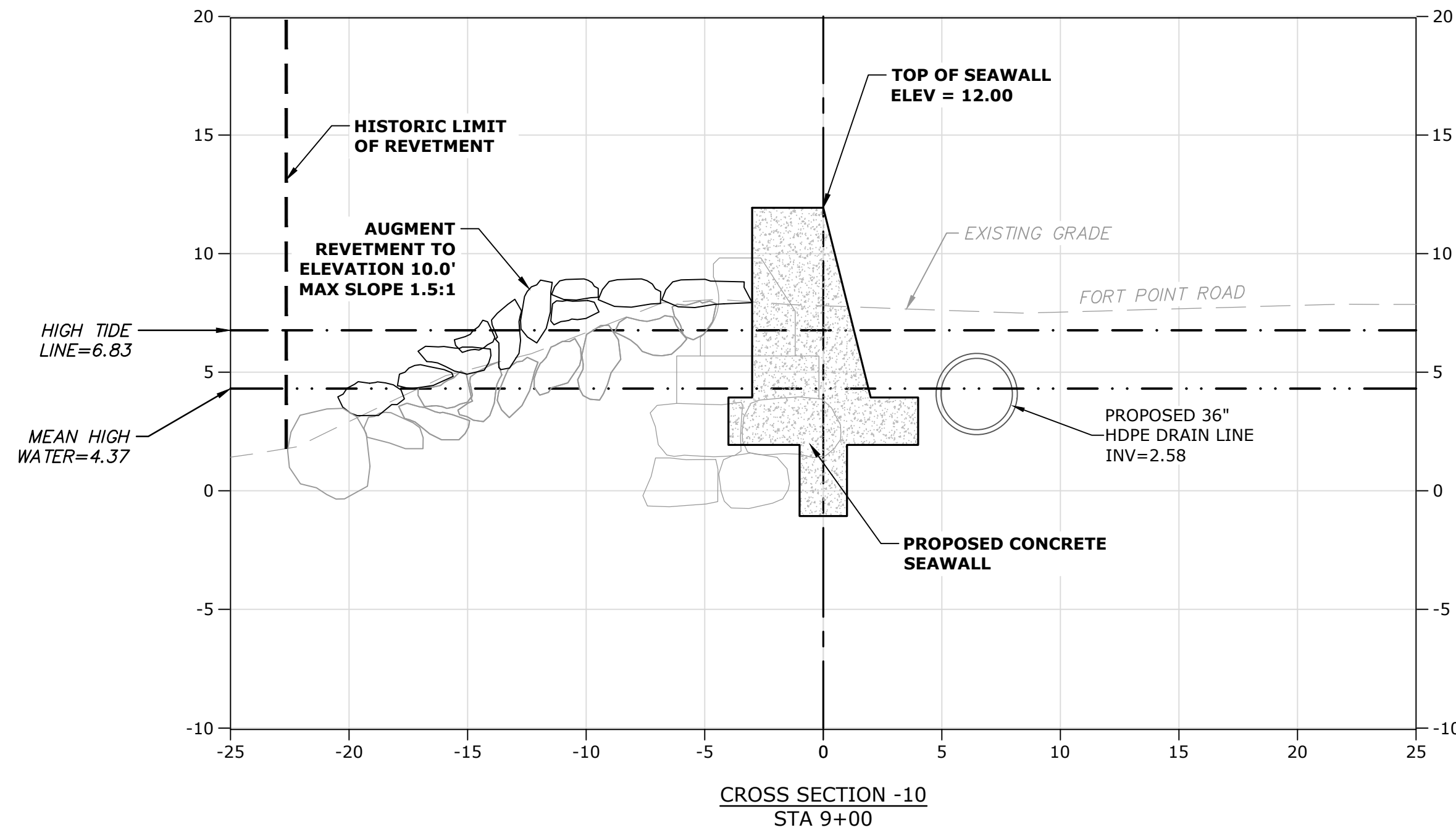
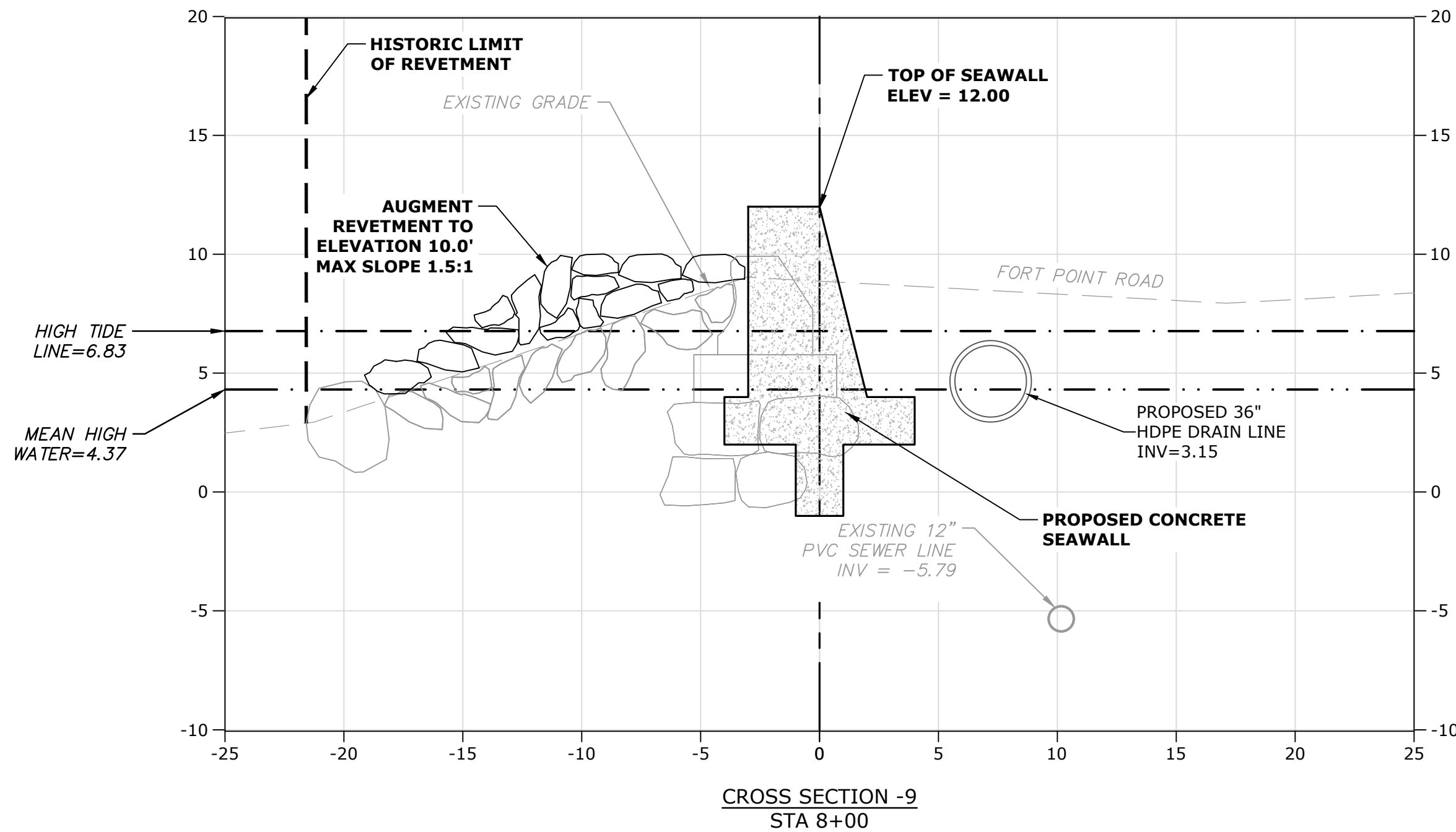
Weymouth,
Massachusetts

MARK	DATE	DESCRIPTION
PROJECT NO:	W2176-005A	
DATE:	January 3, 2023	
FILE:	W2176-005A-C-DSGN.dwg	
DRAWN BY:	TAL/MKF/CJK	
CHECKED:	DGM	
APPROVED:	FJH	

PROPOSED
CROSS-SECTIONS - 3

SCALE: AS SHOWN

C.403





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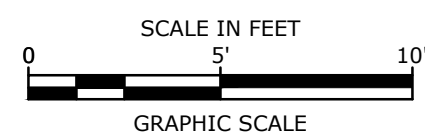
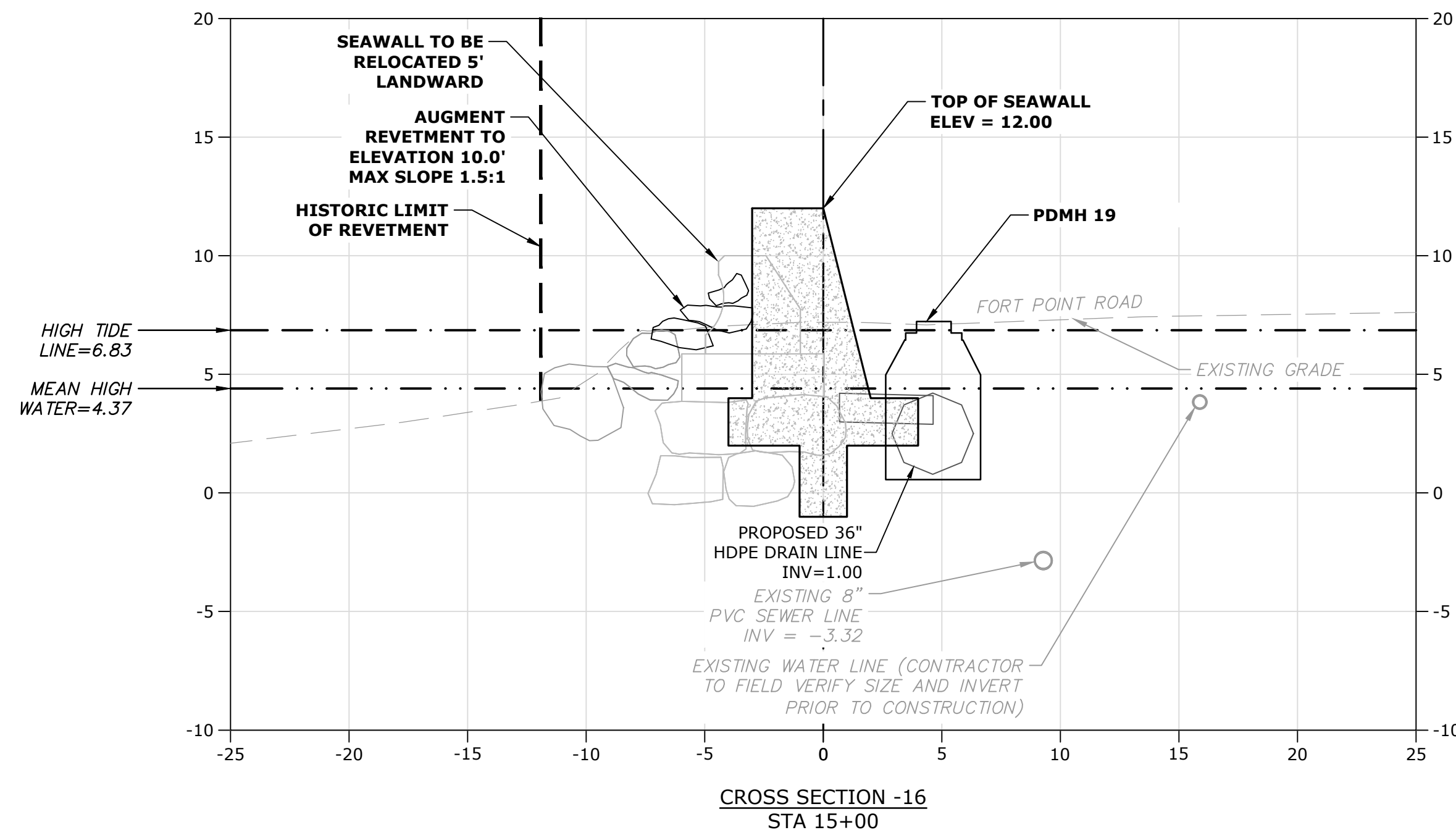
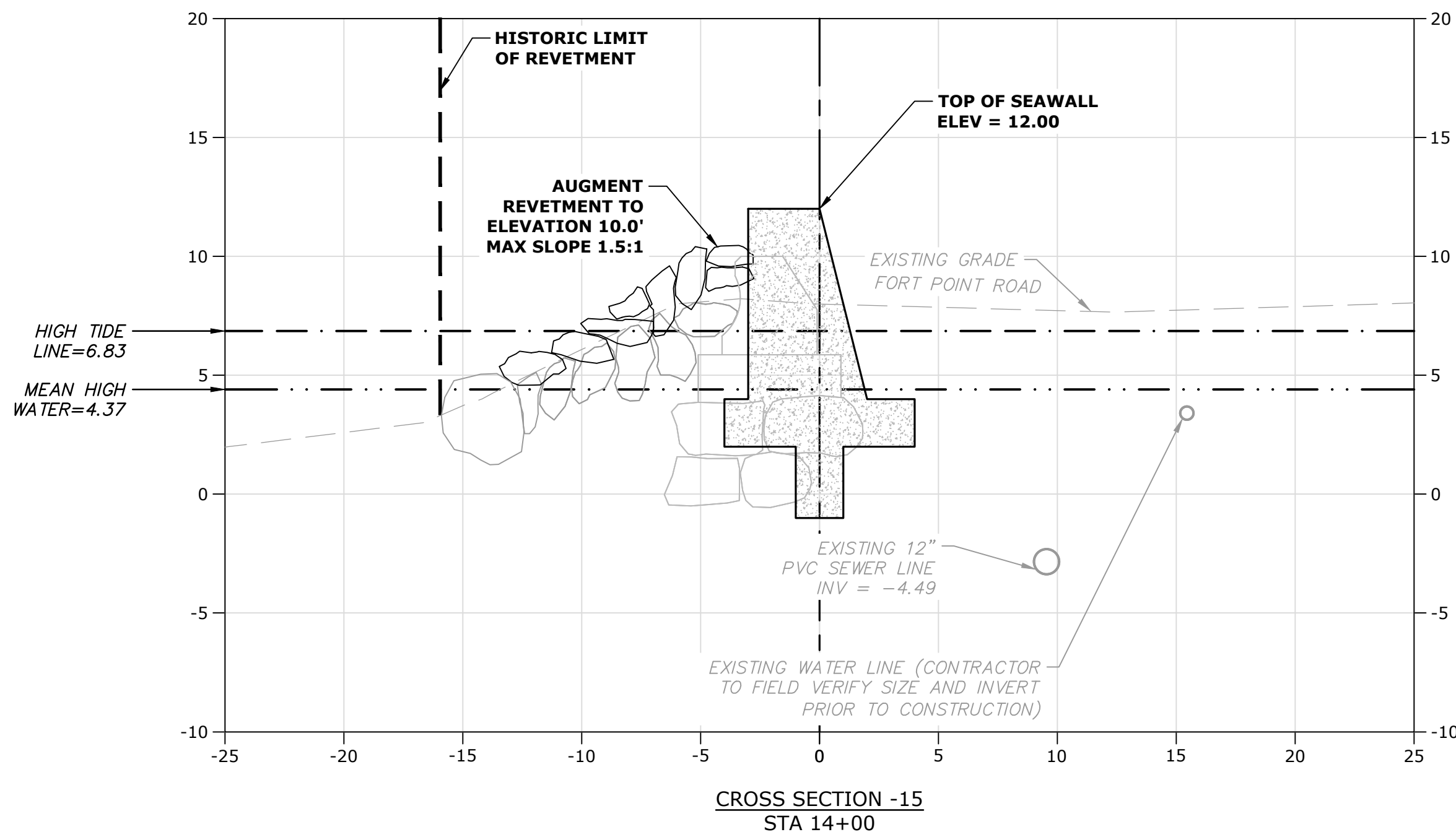
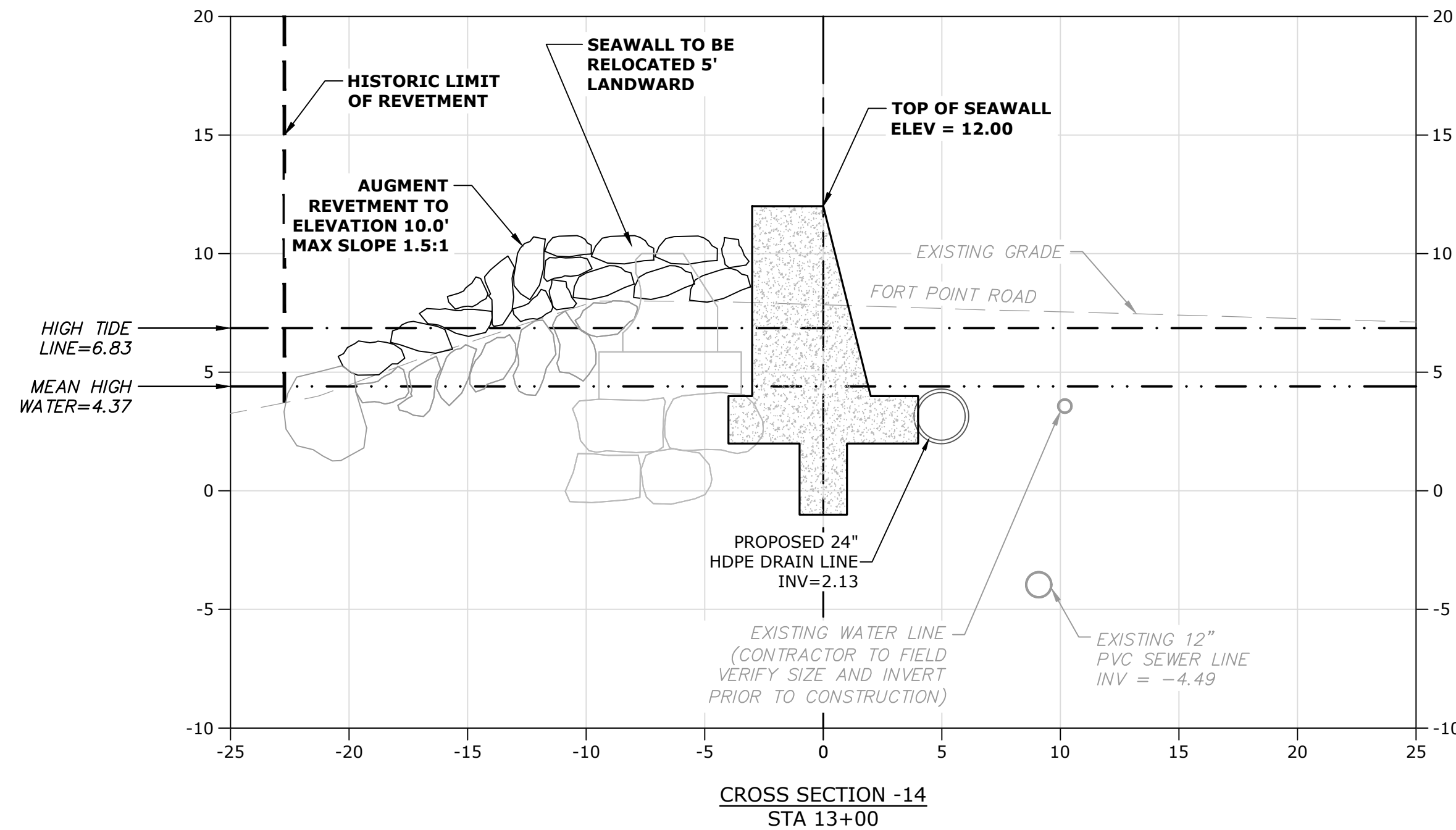
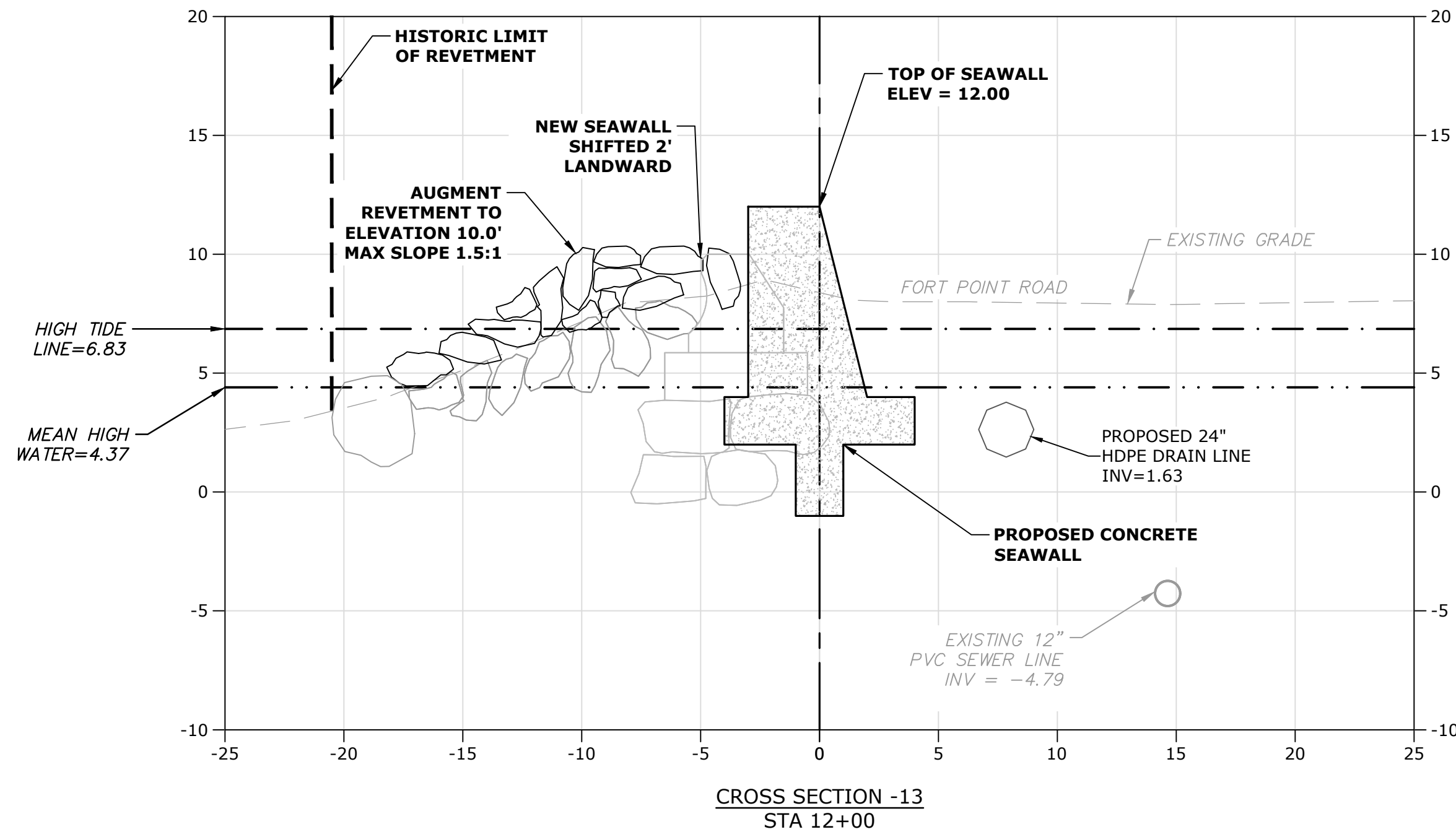
Weymouth,
Massachusetts

MARK	DATE	DESCRIPTION
		PROJECT NO: W2176-005A
		DATE: January 3, 2023
		FILE: W2176-005A-C-DSGN.dwg
		DRAWN BY: TAL/MKF/CJK
		CHECKED: DGM
		APPROVED: FJH

PROPOSED
CROSS-SECTIONS - 4

SCALE: AS SHOWN

C.404





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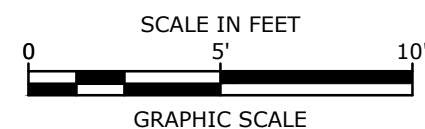
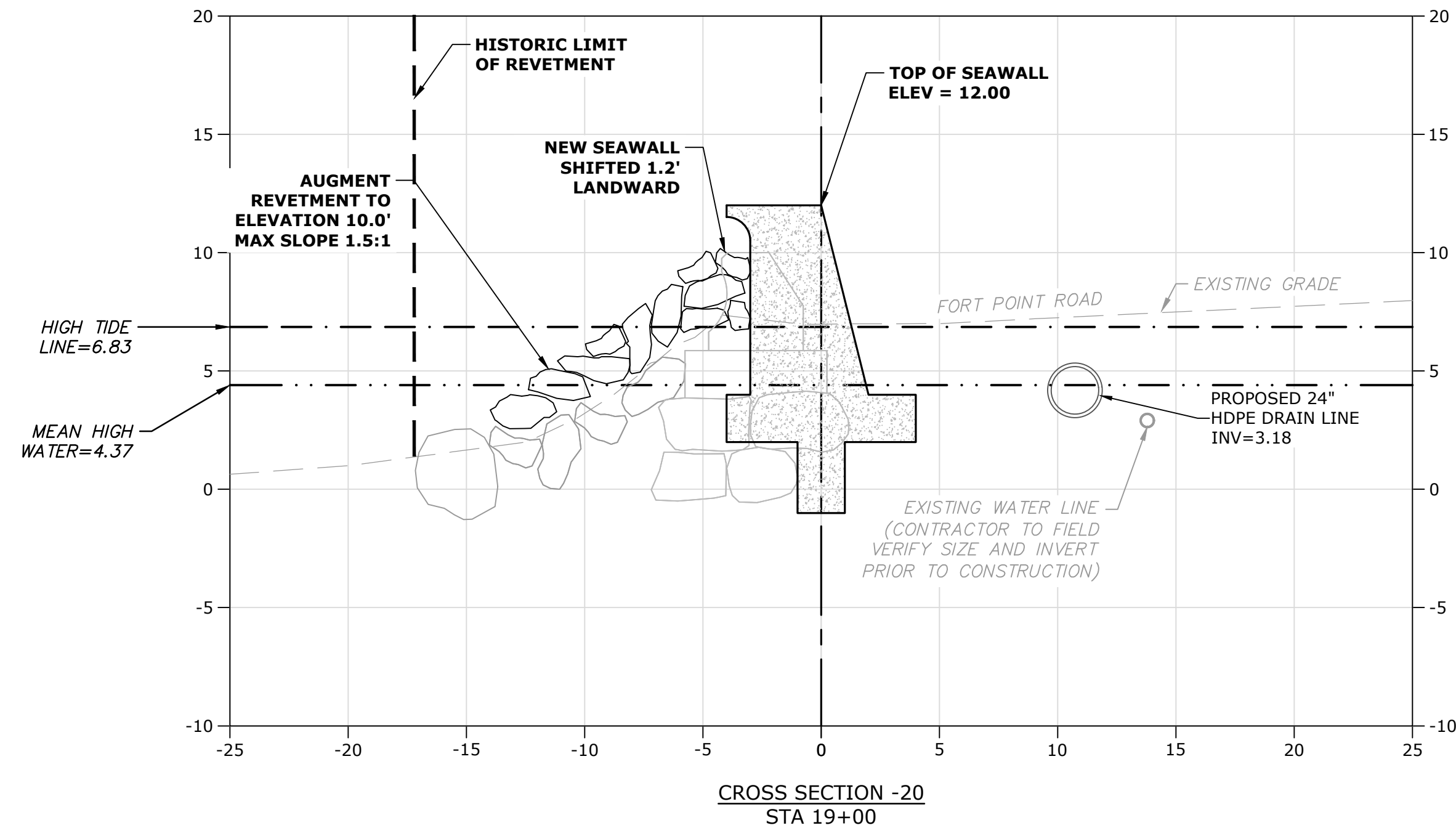
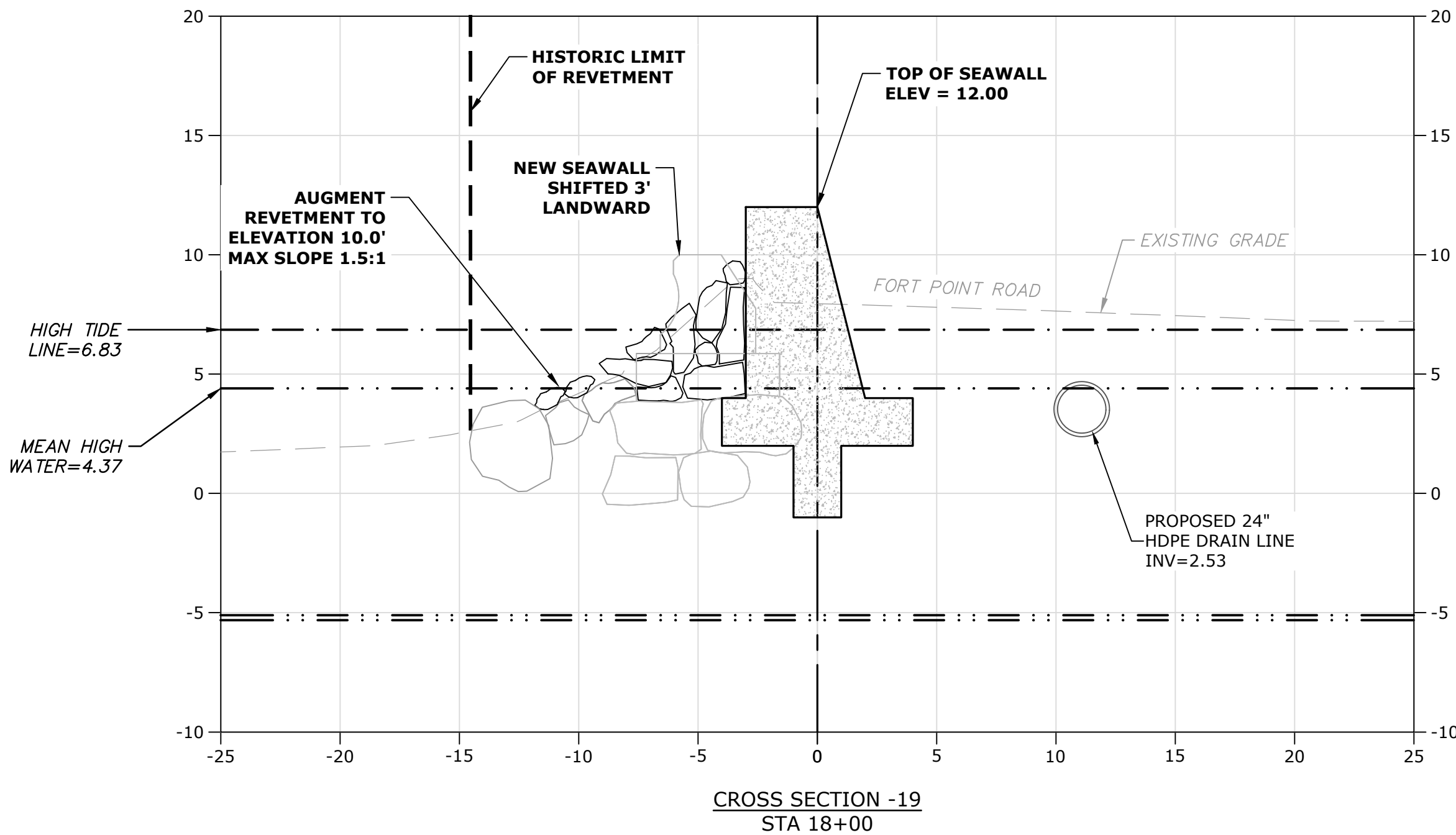
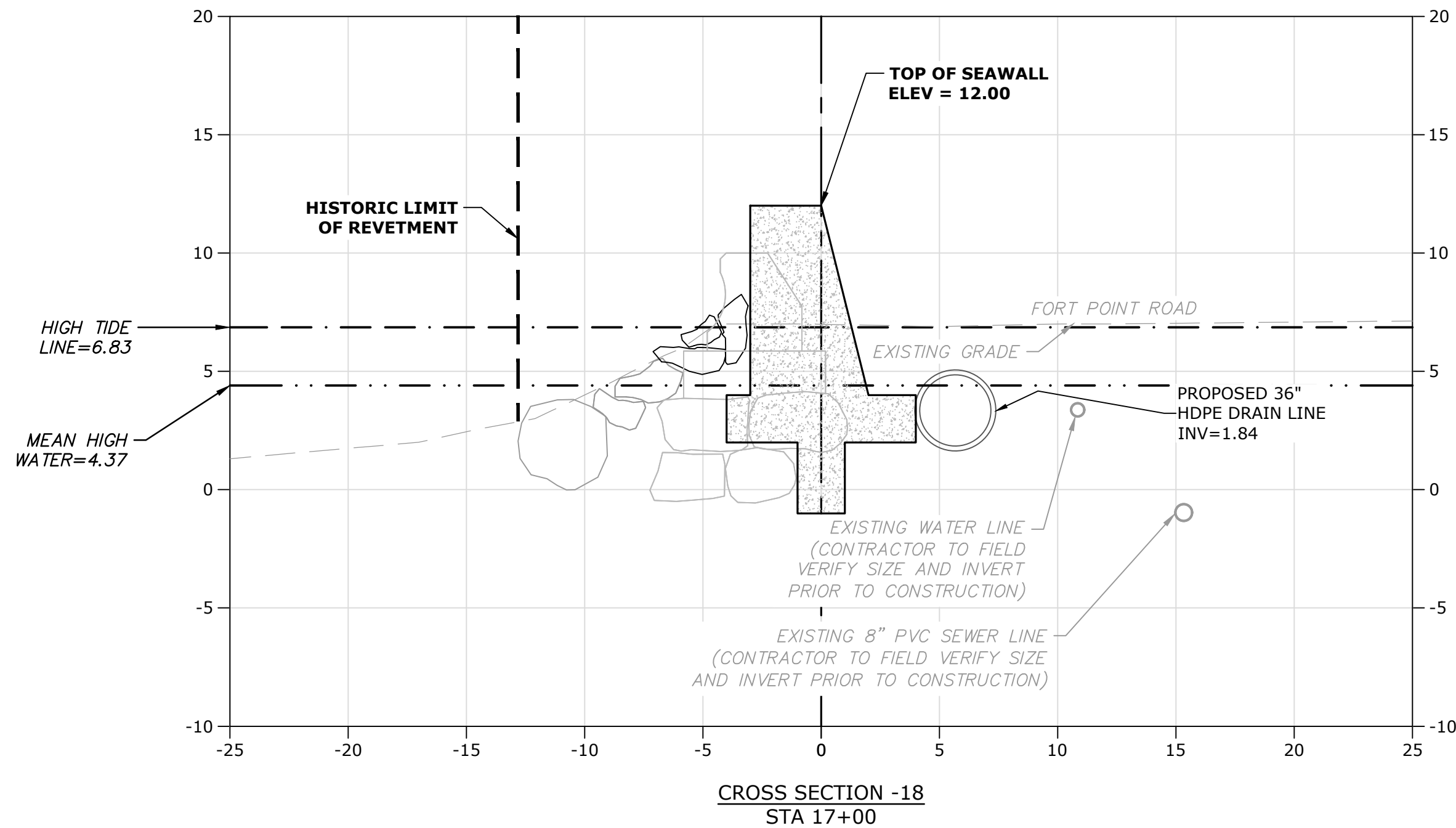
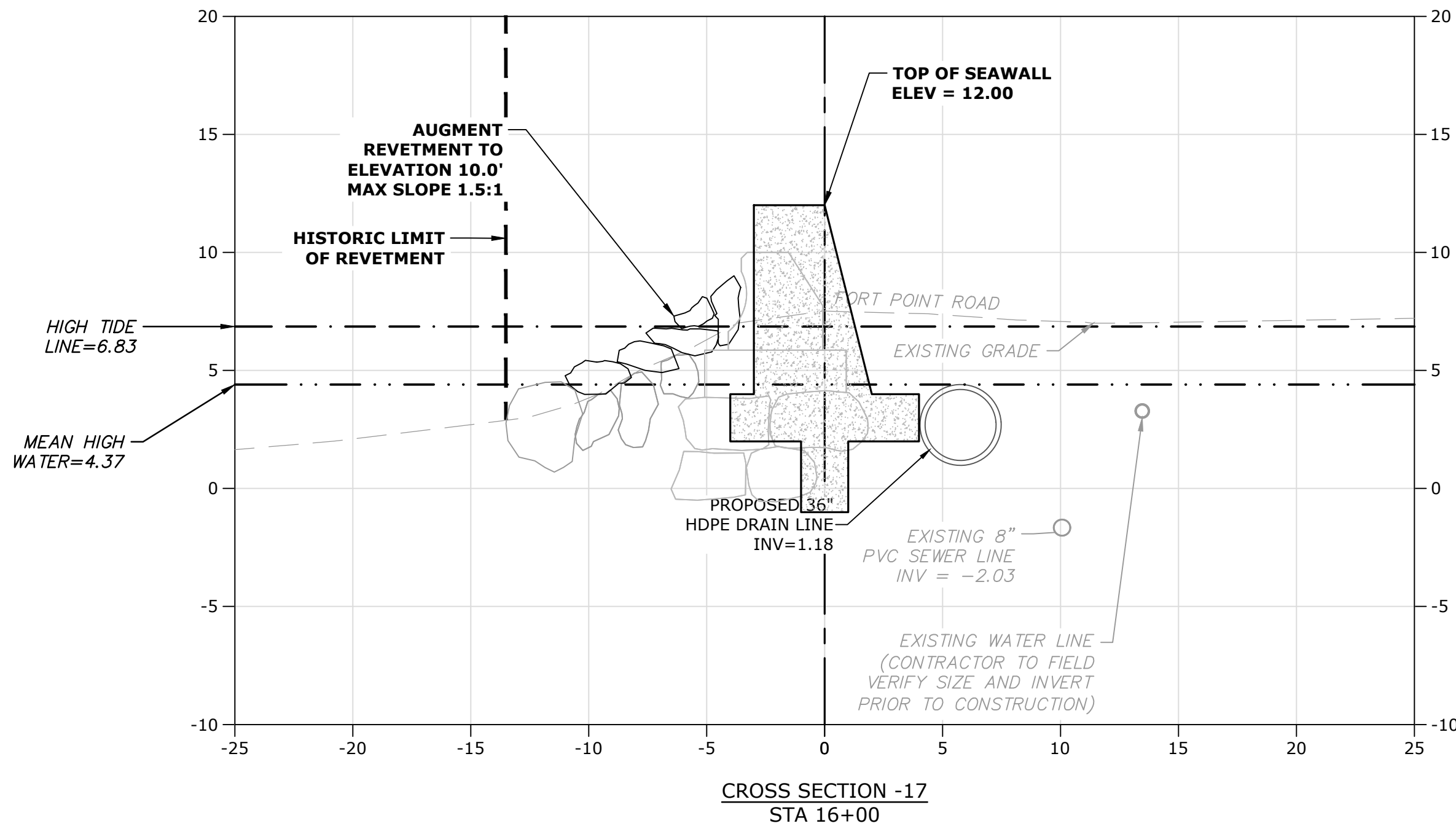
Weymouth,
Massachusetts

MARK	DATE	DESCRIPTION
PROJECT NO:	W2176-005A	
DATE:	January 3, 2023	
FILE:	W2176-005A-C-DSGN.dwg	
DRAWN BY:	TAL/MKF/CJK	
CHECKED:	DGM	
APPROVED:	FJH	

PROPOSED
CROSS-SECTIONS - 5

SCALE: AS SHOWN

C.405



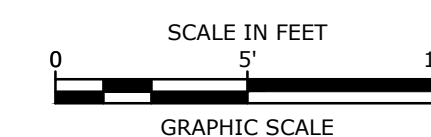
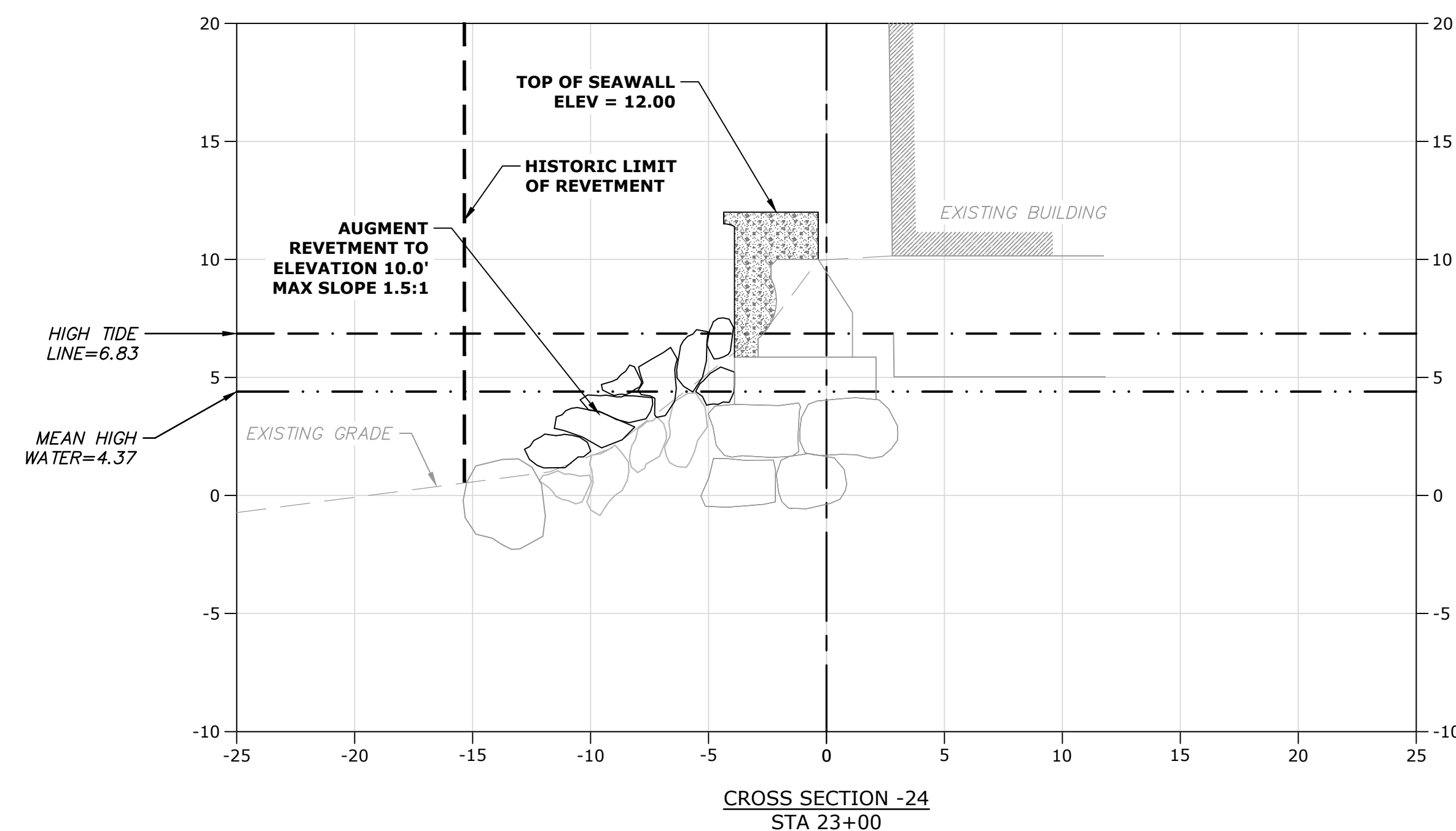
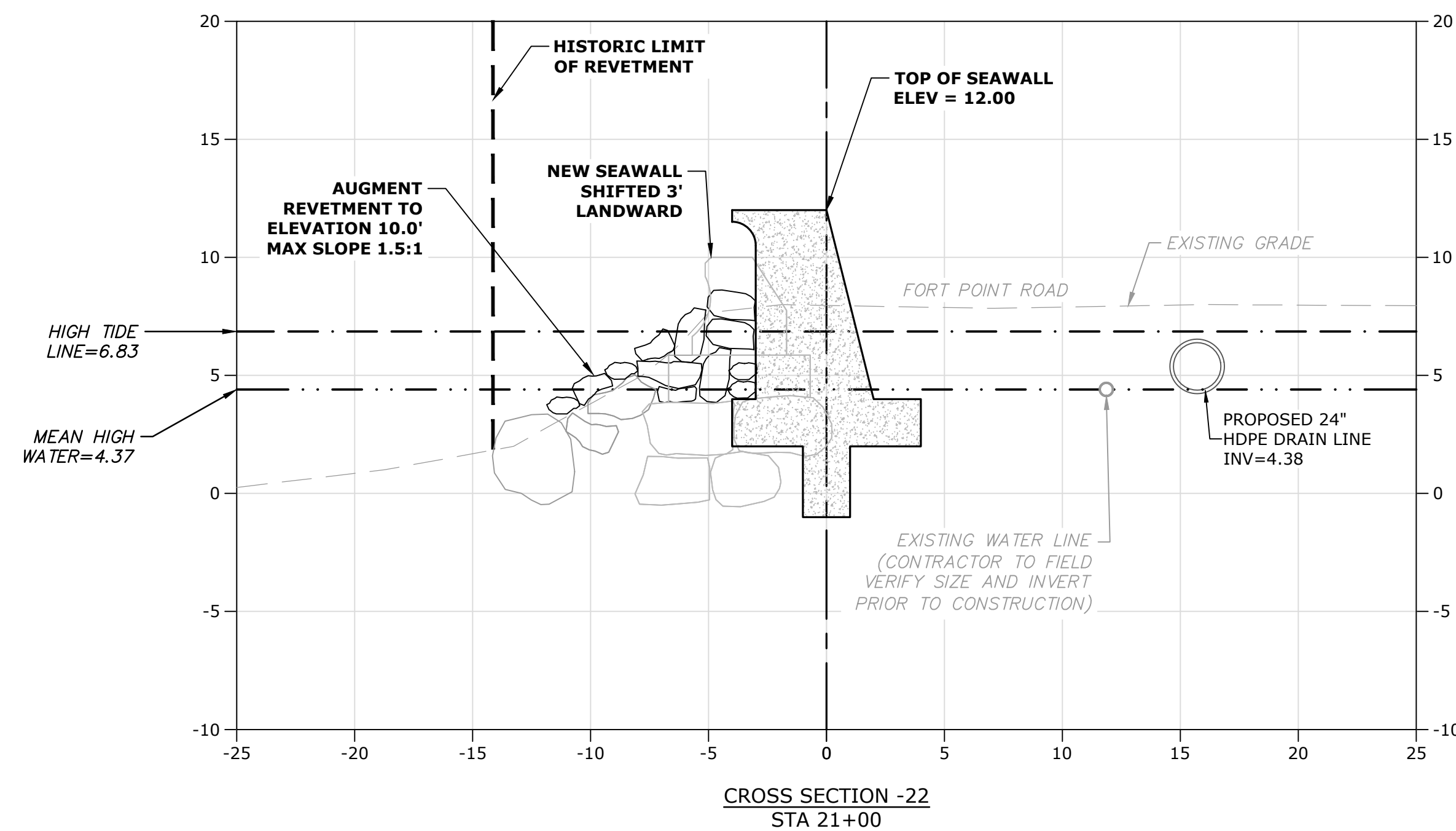
Weymouth Neck Infrastructure Improvements Project

Weymouth,
Massachusetts

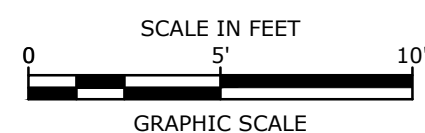
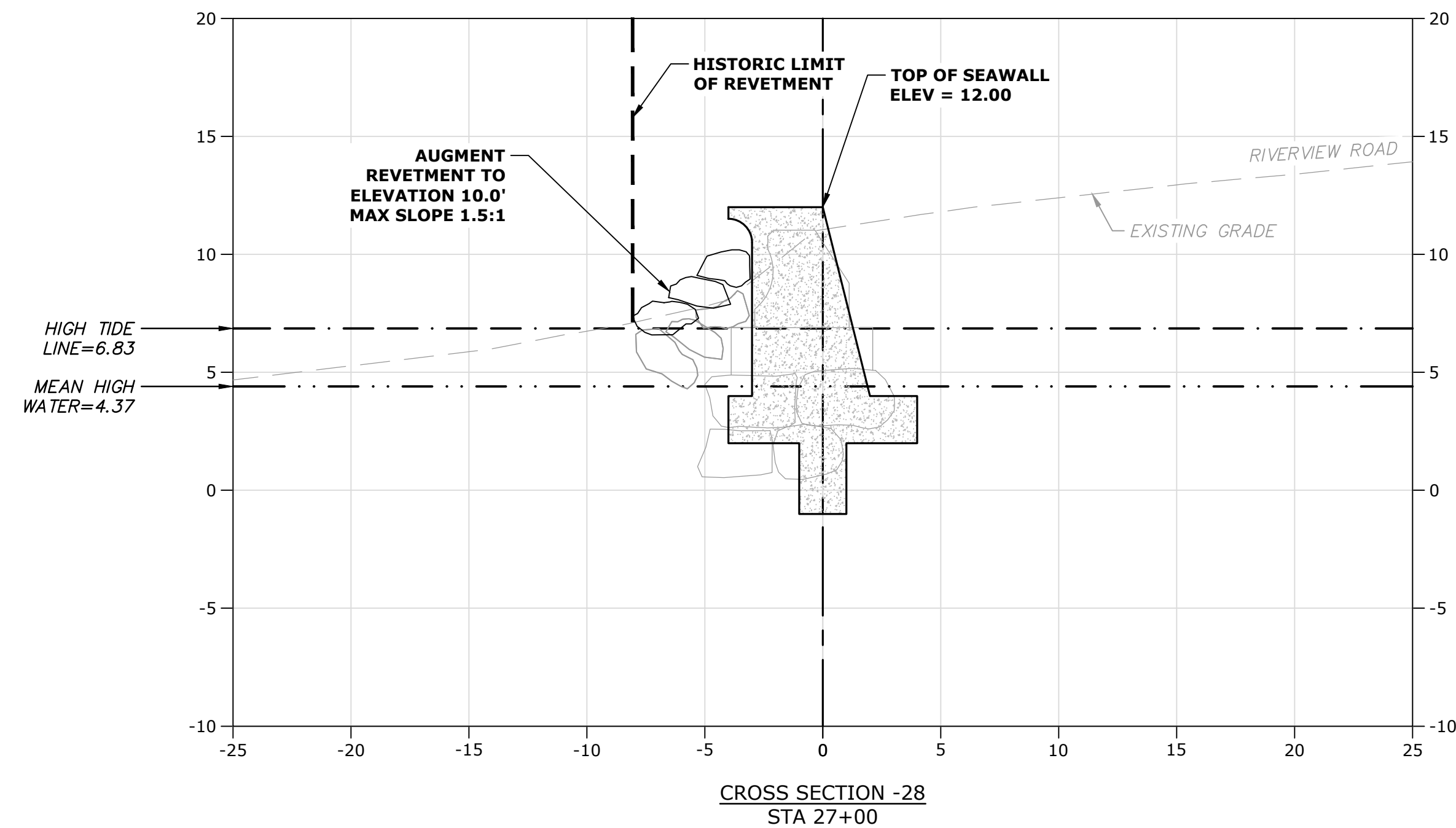
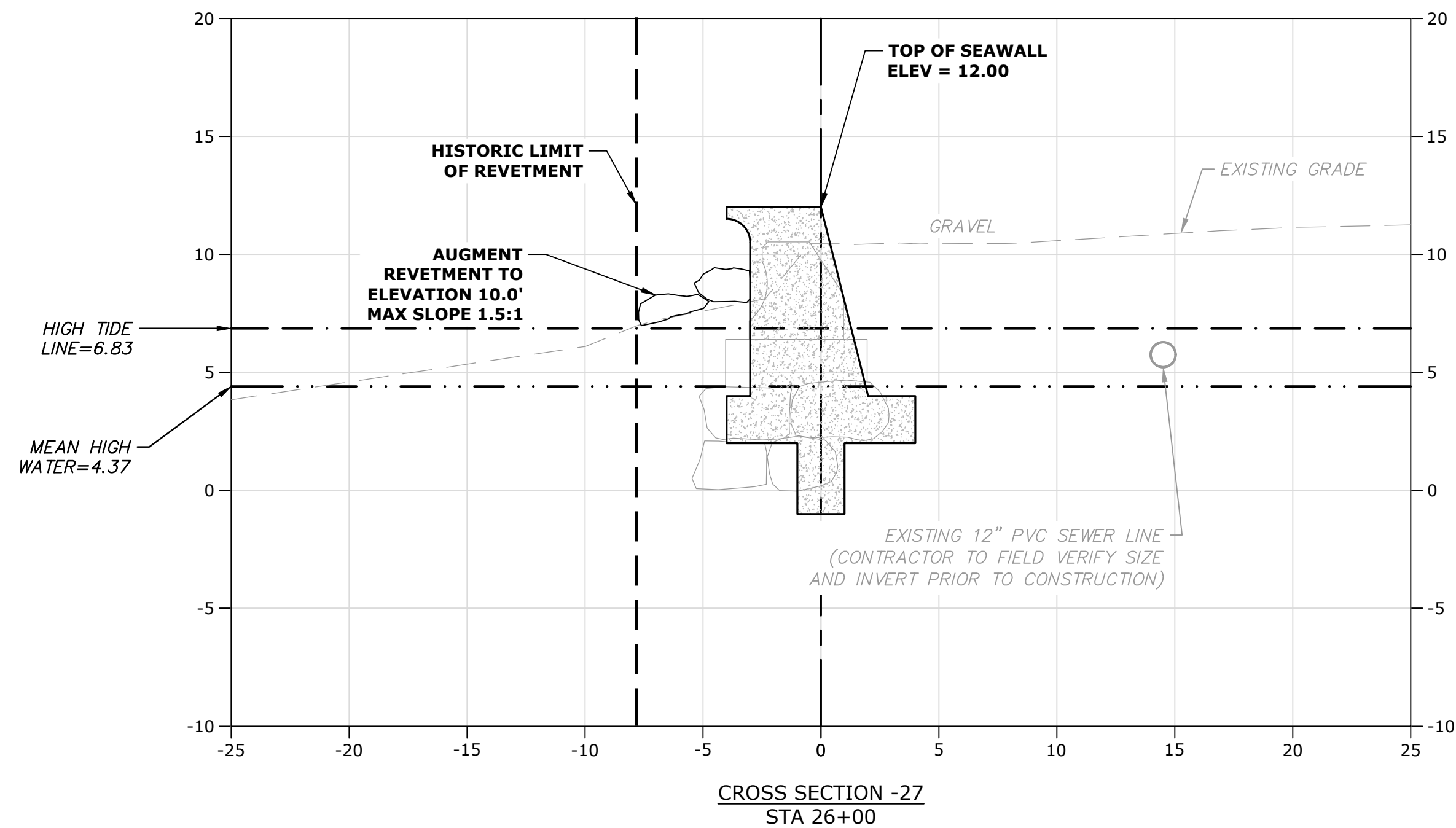
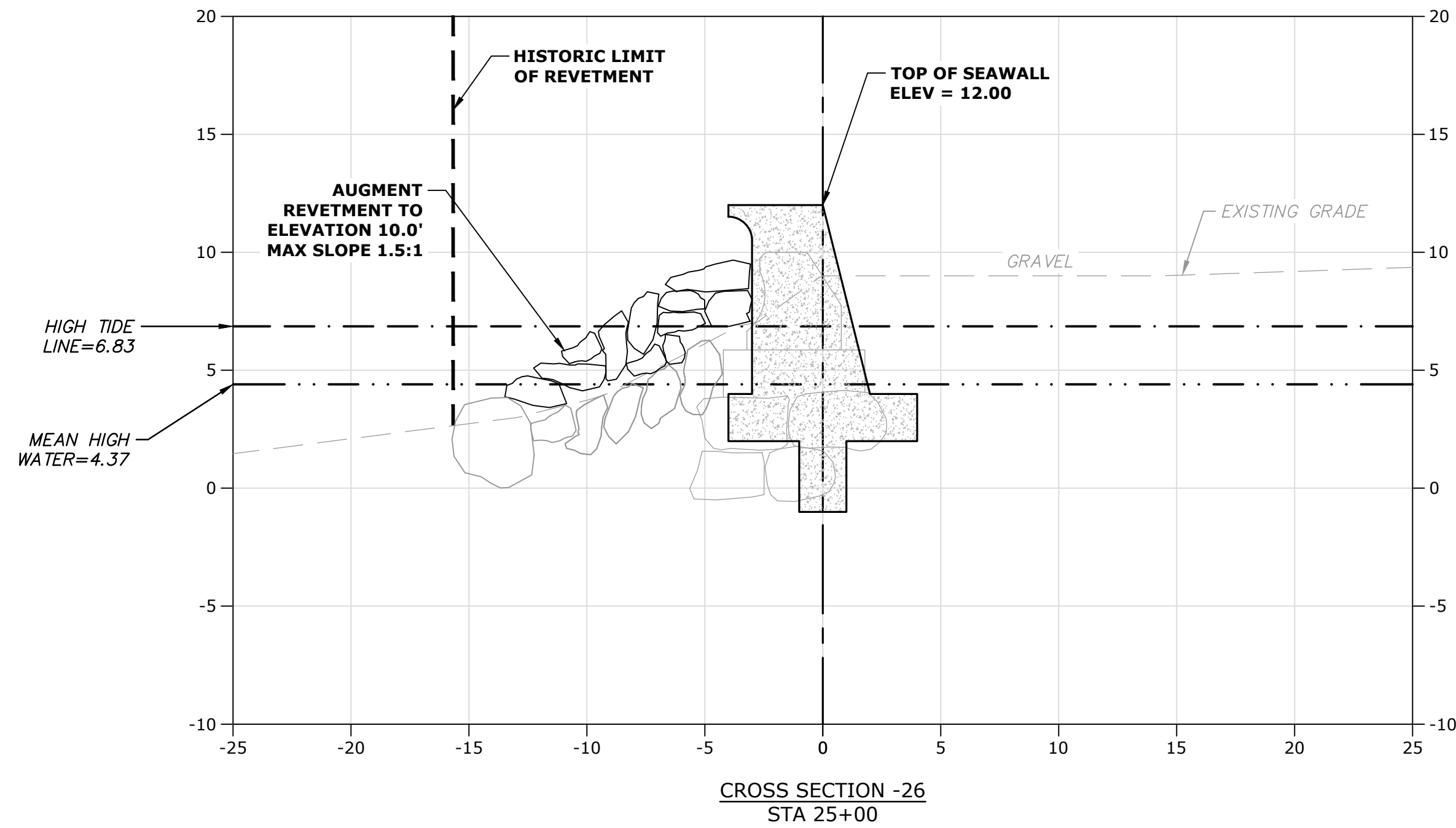
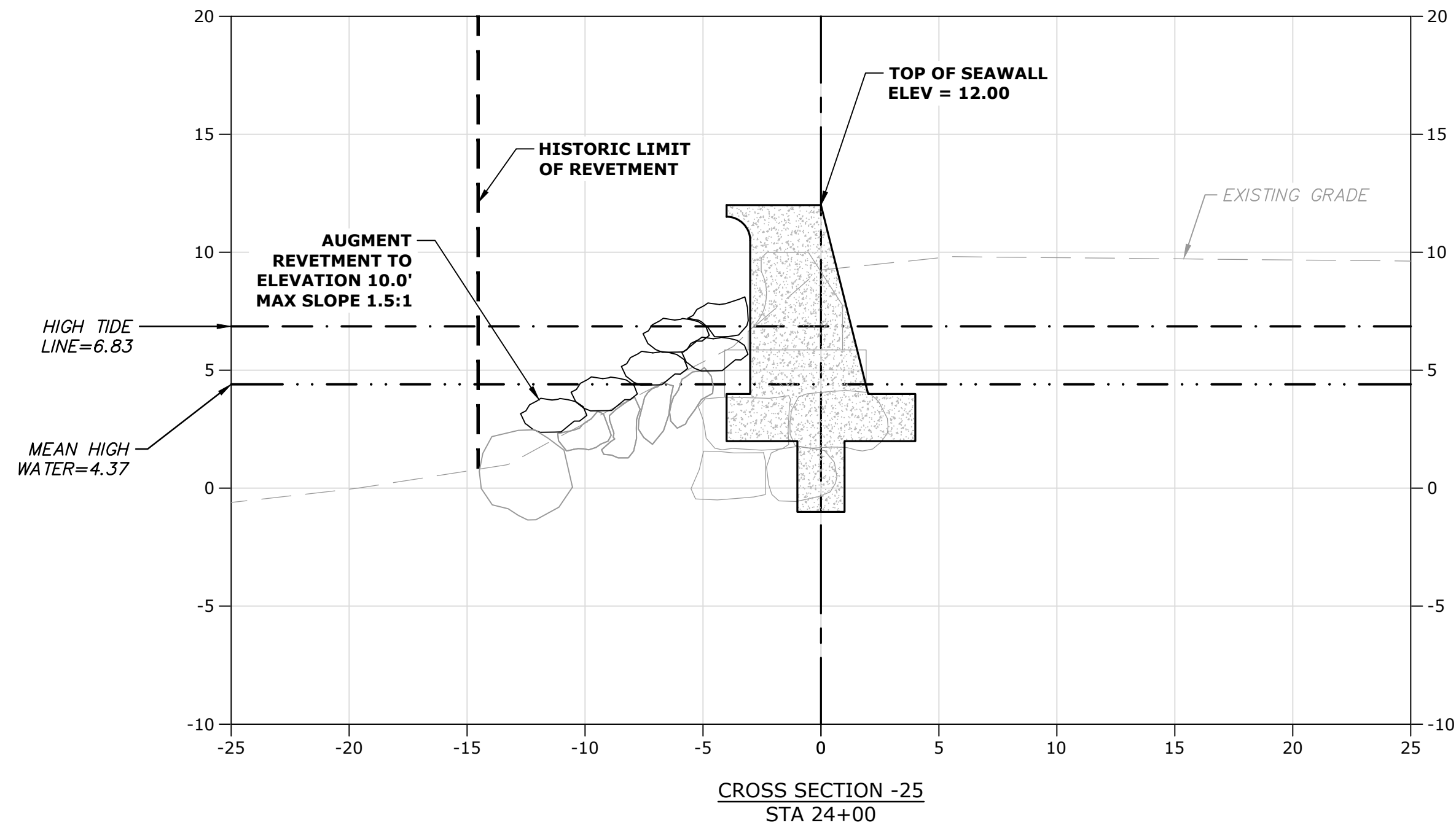
MARK	DATE	DESCRIPTION
PROJECT NO: W2176-005A		
DATE: January 3, 2023		
FILE: W2176-005A-C-DSGN.dwg		
DRAWN BY: TAL/MKF/CJK		
CHECKED: DGM		
APPROVED: FJH		

SCALE: AS SHOWN

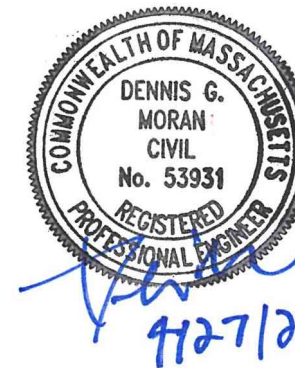
C.406



Last Saved: 4/26/2023 9:50pm By: Tlabbe
Plotted On: Apr 26, 2023 9:50pm
Figure 8 Bond: Weymouth\005A-FPR_COASTAL_IMPR\Drawings_Figures\AutoCAD\Sheet\W2176-005A-C-DSGN.dwg



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Project

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Weymouth,
Massachusetts

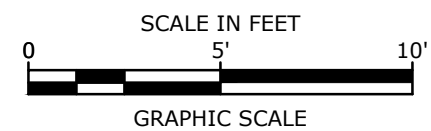
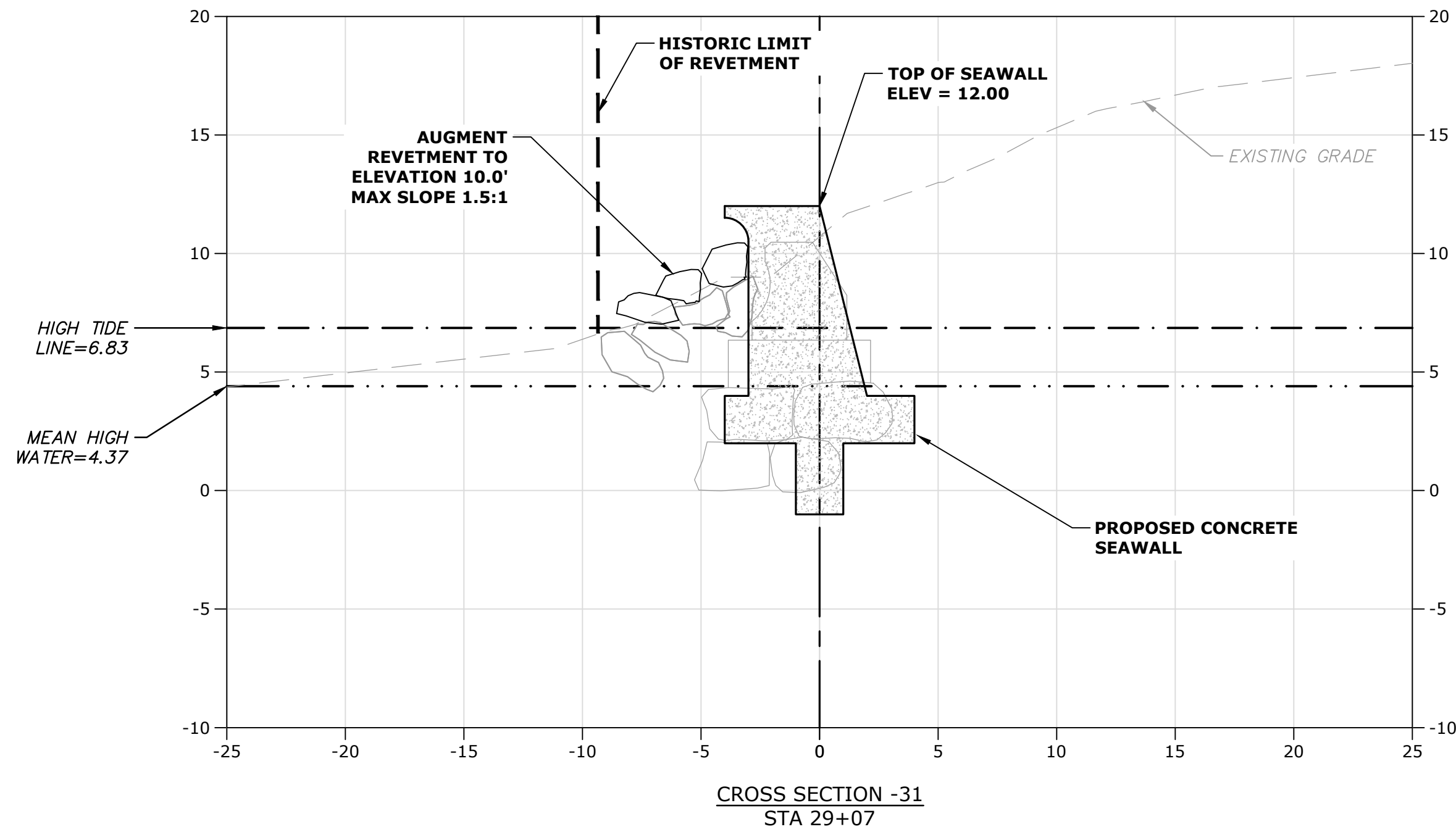
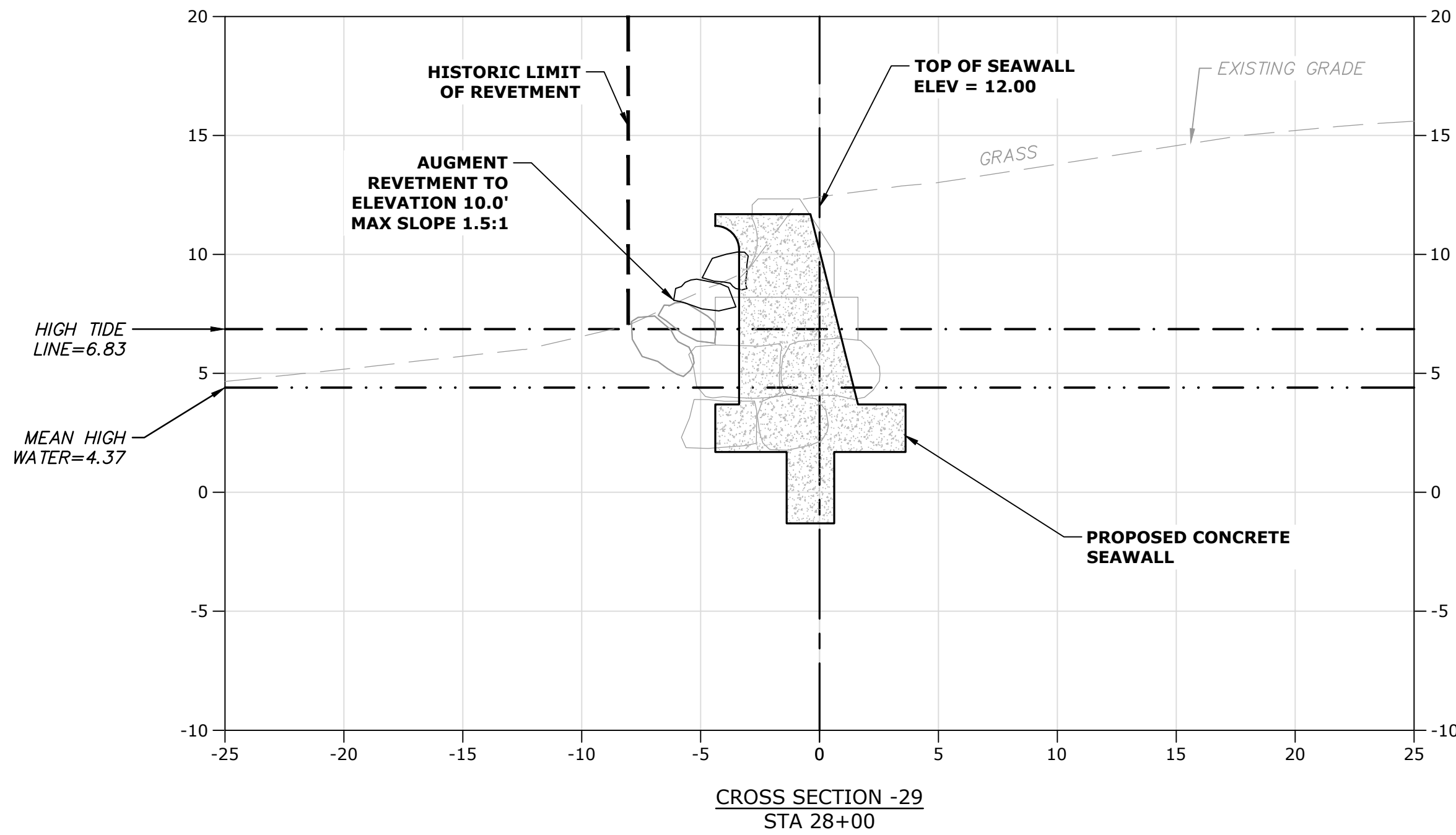
MARK	DATE	DESCRIPTION
PROJECT NO: W2176-005A		
DATE: January 3, 2023		
FILE: W2176-005A-C-DSGN.dwg		
DRAWN BY: TAL/MKF/CJK		
CHECKED: DGM		
APPROVED: FJH		

PROPOSED
CROSS-SECTIONS - 7

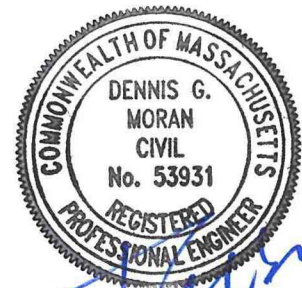
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C.407

Last Saved: 4/26/2023 9:51pm By: Tlabbe
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Improvements
Project

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Weymouth, MA

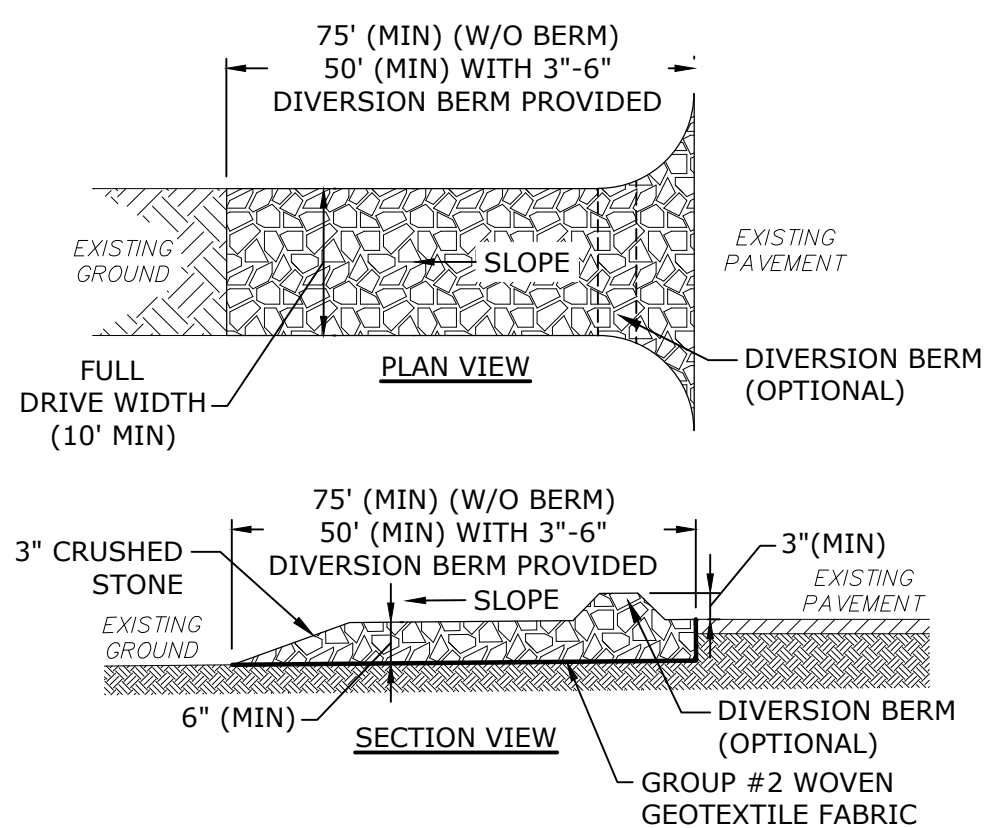
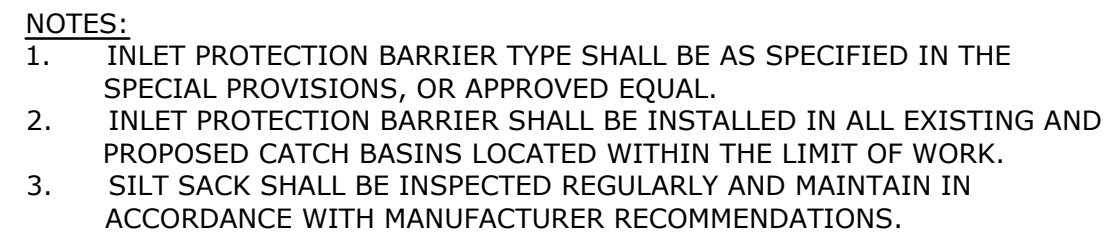
Weymouth,
Massachusetts

MARK	DATE	DESCRIPTION
PROJECT NO: W2176-005A		
DATE: January 3, 2023		
FILE: W2176-005A-C-DSGN.dwg		
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CHECKED: DGM		
APPROVED: FJH		

PROPOSED
CROSS-SECTIONS - 8

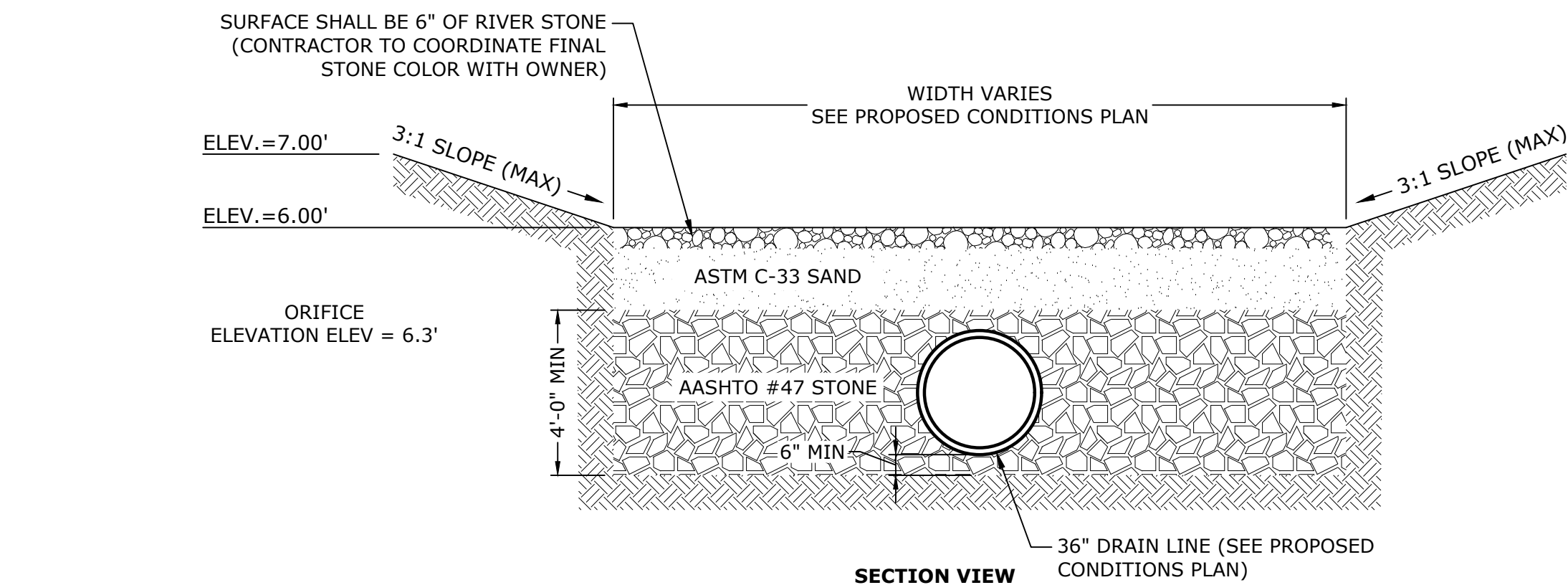
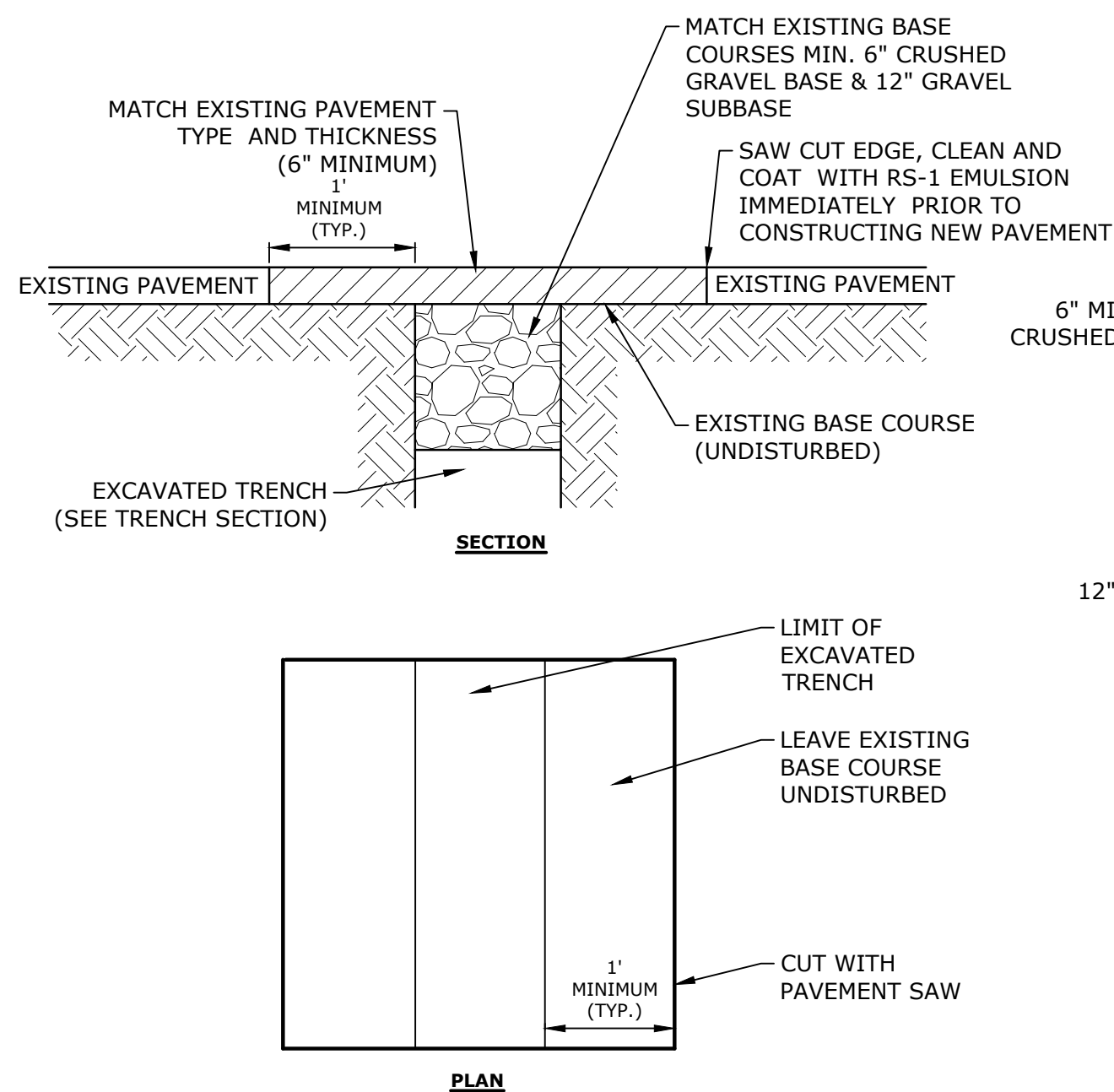
SCALE: AS SHOWN

C.408



NOTES:

1. THE EXIT SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OF SEDIMENT FROM THE SITE. WHEN WASHING IS REQUIRED, IT SHALL BE DONE SO RUNOFF DRAINS INTO AN APPROVED SEDIMENT TRAPPING DEVICE. ALL SEDIMENT SHALL BE PREVENTED FROM ENTERING STORM DRAINS, DITCHES, OR WATERWAYS.
2. NATURAL DRAINAGE THAT CROSSES THE LOCATION OF THE STONE PAD SHOULD BE INTERCEPTED AND PIPED BENEATH THE PAD, AS NECESSARY, WITH SUITABLE OUTLET PROTECTION.



NOTES:

1. DETENTION DEPRESSION SHALL NOT BE PLACED INTO SERVICE UNTIL THE PRACTICE HAS BEEN PLANTED AND ITS CONTRIBUTING AREAS HAVE BEEN FULLY STABILIZED.
2. DOWNT TRAFFIC EXPOSED SOIL SURFACES WITH CONSTRUCTION EQUIPMENT. CONTRACTOR SHALL KEEP ALL EXCAVATION EQUIPMENT OUTSIDE OF THE LIMIT OF THE RAIN GARDEN.
3. SEE PROPOSED CONDITIONS PLAN FOR LOCATION, LAYOUT, AND ELEVATIONS.

AASHTO #57 STONE (#4 to 1")	
SIEVE SIZE	% PASSING
1-1/2"	100
1"	95-100
1/2"	25-60
#4	0-10
#8	0-5

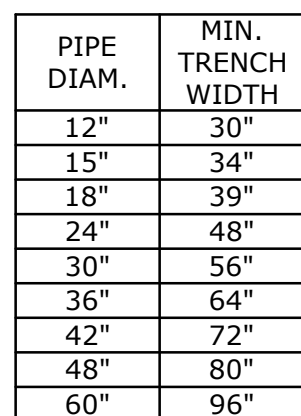


TABLE 1, RECOMMENDED
MINIMUM TRENCH WIDTHS

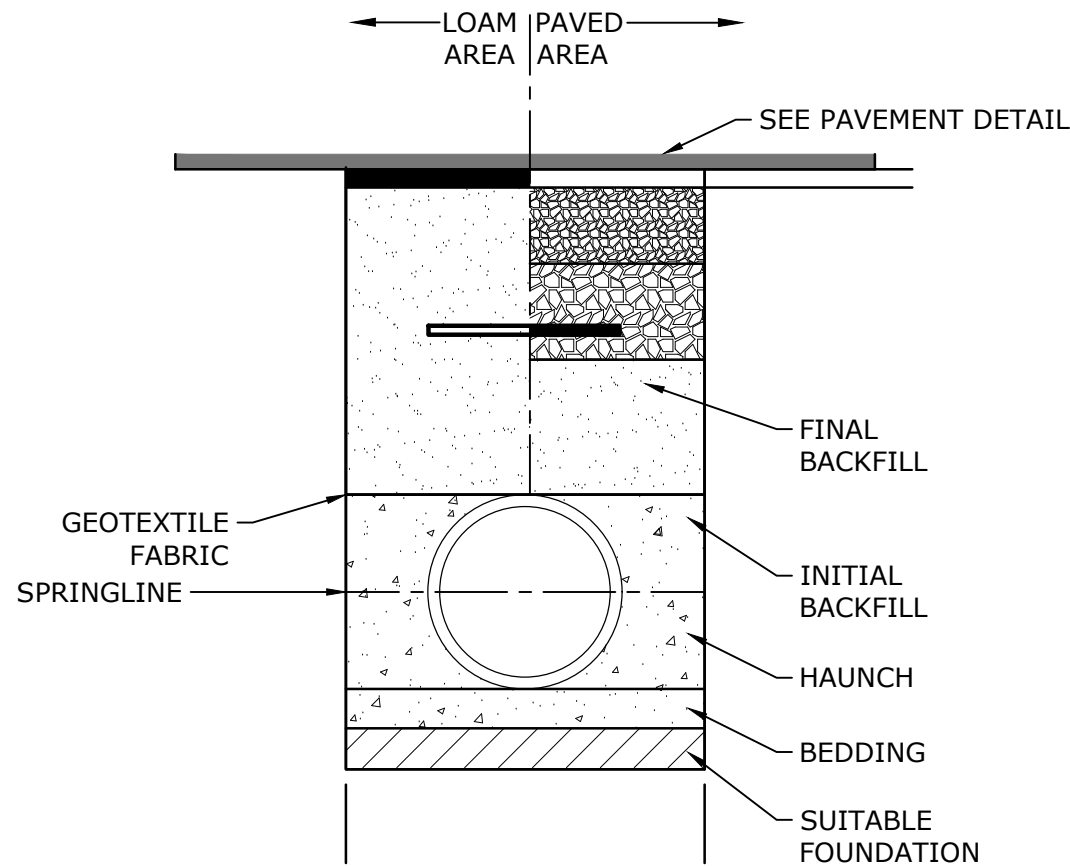
	SURFACE LIVE LOADING CONDITION	
PIPE DIAM.	H-25	HEAVY CONSTRUCTION (75T AXLE LOAD) *
12" - 48"	18"*	48"
60"	24"	60"

AT STRUCTURES

TABLE 2, MINIMUM RECOMMENDED COVER
BASED ON VEHICLE LOADING CONDITION
* VEHICLES IN EXCESS OF 75T MAY
REQUIRE ADDITIONAL COVER

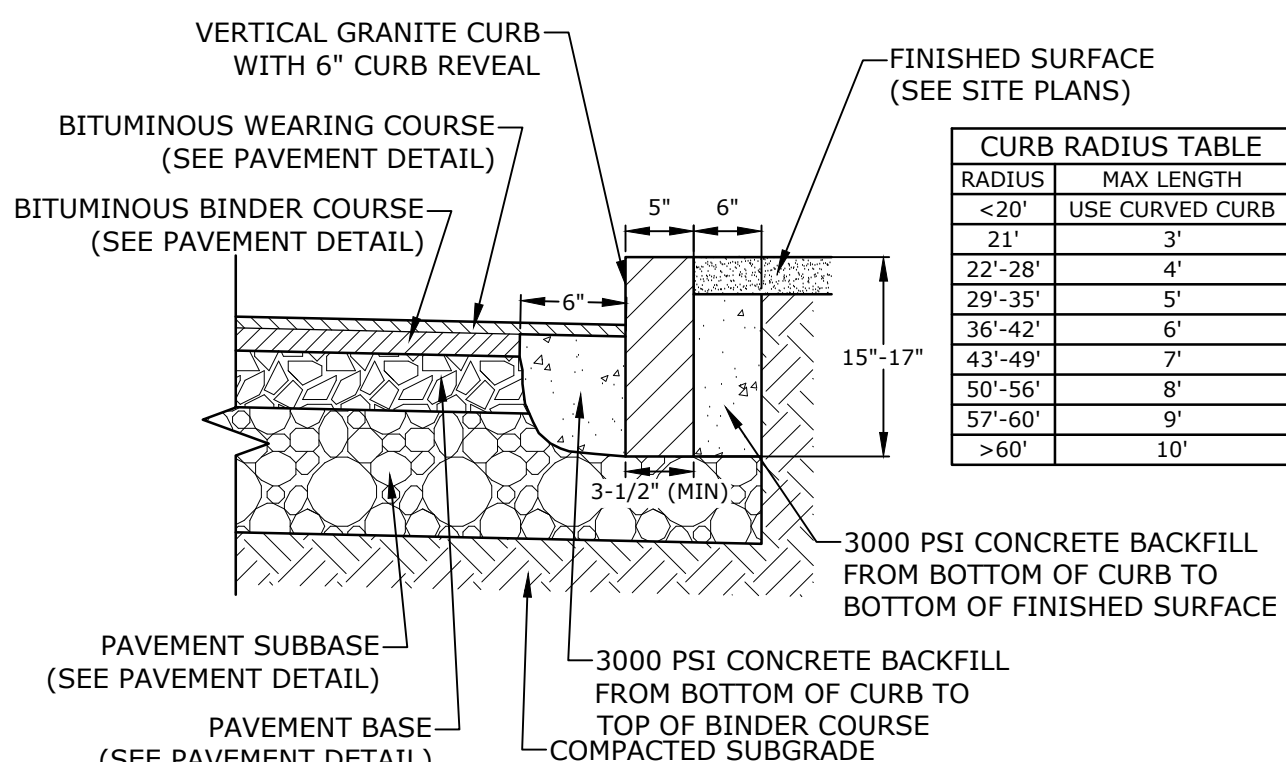
	CLASS I	CLASS II			CLASS III		CLASS IV
PIPE DIA.	COMPACTED	95%	90%	85%	95%	90%	95%
12"	41'	28'	21'	16'	20'	16'	16'
15"	42'	29'	21'	16'	21'	16'	16'
18"	44'	30'	21'	16'	22'	17'	16'
24"	37'	26'	18'	14'	19'	14'	14'

TABLE 3, MAXIMUM COVER FOR ADS HP STORM PIPE
FILL HEIGHT TABLE GENERATED USING AASHTO SECTION 12,
LOAD RESISTANCE FACTOR DESIGN (LRFD) PROCEDURE WITH
THE FOLLOWING ASSUMPTIONS:
NO HYDROSTATIC PRESSURE
UNIT WEIGHT OF SOIL (γ_s) = 120 PCF



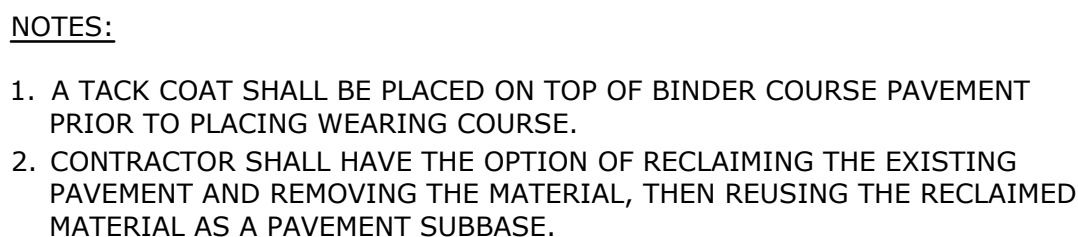
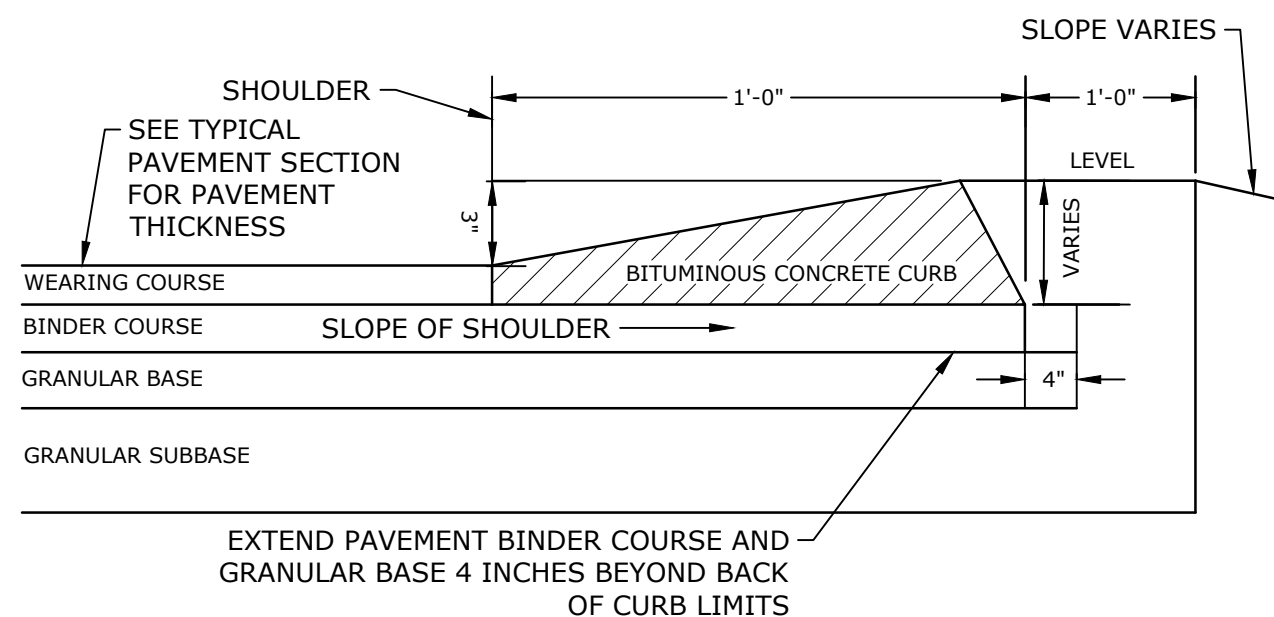
NOTES:

1. ALL PIPE SYSTEMS SHALL BE INSTALLED IN ACCORDANCE WITH ASTM D2321, "STANDARD PRACTICE FOR UNDERGROUND INSTALLATION OF THERMOPLASTIC PIPE FOR SEWERS AND OTHER GRAVITY FLOW APPLICATIONS", LATEST ADDITION, WITH THE EXCEPTION THAT THE INITIAL BACKFILL MAY EXTEND TO THE CROWN OF THE PIPE. SOIL CLASSIFICATIONS ARE PER THE LATEST VERSION OF ASTM D2321. CLASS IVB MATERIALS (MH, CH) AS DEFINED IN PREVIOUS VERSIONS OF ASTM D2321 ARE NOT APPROPRIATE BACKFILL MATERIALS.
2. MEASURES SHOULD BE TAKEN TO PREVENT MIGRATION OF NATIVE FINES INTO BACKFILL MATERIAL, WHEN REQUIRED.
3. **FOUNDATION:** WHERE THE TRENCH BOTTOM IS UNSTABLE AS JUDGED BY THE ENGINEER, THE CONTRACTOR SHALL EXCAVATE TO A DEPTH REQUIRED BY THE ENGINEER AND REPLACE WITH SUITABLE MATERIAL AS SPECIFIED BY THE ENGINEER. AS AN ALTERNATIVE AND AT THE DISCRETION OF THE DESIGN ENGINEER, THE TRENCH BOTTOM MAY BE STABILIZED USING A GEOTEXTILE MATERIAL.
4. **BEDDING:** SUITABLE MATERIAL SHALL BE CLASS I, II, III, OR IV. THE CONTRACTOR SHALL PROVIDE DOCUMENTATION FOR MATERIAL SPECIFICATION TO ENGINEER. COMPACTION SHALL BE SPECIFIED BY THE ENGINEER IN ACCORDANCE WITH TABLE 3 FOR THE APPLICABLE FILL HEIGHTS LISTED. UNLESS OTHERWISE NOTED BY THE ENGINEER, MINIMUM BEDDING THICKNESS SHALL BE 4" (100mm) FOR 12"-24" (300mm-600mm) DIAMETER PIPE; 6" (150mm) FOR 30"-60" (750mm-1500mm) DIAMETER PIPE. THE MIDDLE 1/3 BENEATH THE PIPE INVERT SHALL BE LOOSELY PLACED. PLEASE NOTE, CLASS IV MATERIAL HAS LIMITED APPLICATION AND CAN BE DIFFICULT TO PLACE AND COMPACT; USE ONLY WITH THE APPROVAL OF THE GEOTECHNICAL ENGINEER.
5. **INITIAL BACKFILL:** SUITABLE MATERIAL SHALL BE CLASS I, II, III, OR IV IN THE PIPE ZONE EXTENDING TO THE CROWN OF THE PIPE. THE CONTRACTOR SHALL PROVIDE DOCUMENTATION FOR MATERIAL SPECIFICATION TO ENGINEER. MATERIAL SHALL BE INSTALLED AS REQUIRED IN ASTM D2321, LATEST EDITION. COMPACTION SHALL BE SPECIFIED BY THE ENGINEER IN ACCORDANCE WITH TABLE 3 FOR THE APPLICABLE FILL HEIGHTS LISTED. PLEASE NOTE, CLASS IV MATERIAL HAS LIMITED APPLICATION AND CAN BE DIFFICULT TO PLACE AND COMPACT; USE ONLY WITH THE APPROVAL OF THE GEOTECHNICAL ENGINEER.
6. **MINIMUM COVER:** FOR TRAFFIC APPLICATIONS, MINIMUM COVER, H, IS 12" (300mm) UP TO 48" (1200mm) DIAMETER PIPE AND 24" (600mm) OF COVER FOR 60" (1500mm) DIAMETER PIPE, MEASURED FROM TOP OF PIPE TO BOTTOM OF FLEXIBLE PAVEMENT OR TO TOP OF RIGID PAVEMENT.



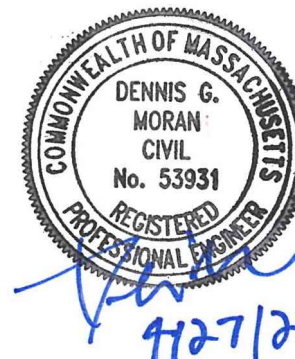
NOTES:

1. SEE SITE PLAN(S) FOR LIMITS OF VERTICAL GRANITE CURB (VGC),
2. ADJOINING STONES SHALL HAVE THE SAME OR APPROXIMATELY THE SAME LENGTH.
3. MINIMUM LENGTH OF STRAIGHT CURB STONES = 3'
4. MAXIMUM LENGTH OF STRAIGHT CURB STONES = 10'
5. MAXIMUM LENGTH OF STRAIGHT CURB STONES LAID ON CURVES (SEE TABLE).
6. ALL RADII 20 FEET AND SMALLER SHALL BE CONSTRUCTED USING CURVED SECTIONS.
7. JOINTS BETWEEN STONES SHALL HAVE A MAXIMUM SPACING OF 1/2" AND SHALL BE MORTARED.



NOTES:

1. A TACK COAT SHALL BE PLACED ON TOP OF BINDER COURSE PAVEMENT PRIOR TO PLACING WEARING COURSE.
2. CONTRACTOR SHALL HAVE THE OPTION OF RECLAIMING THE EXISTING PAVEMENT AND REMOVING THE MATERIAL, THEN REUSING THE RECLAIMED MATERIAL AS A PAVEMENT SUBBASE.



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Town of
Weymouth, MA

Weymouth,
Massachusetts

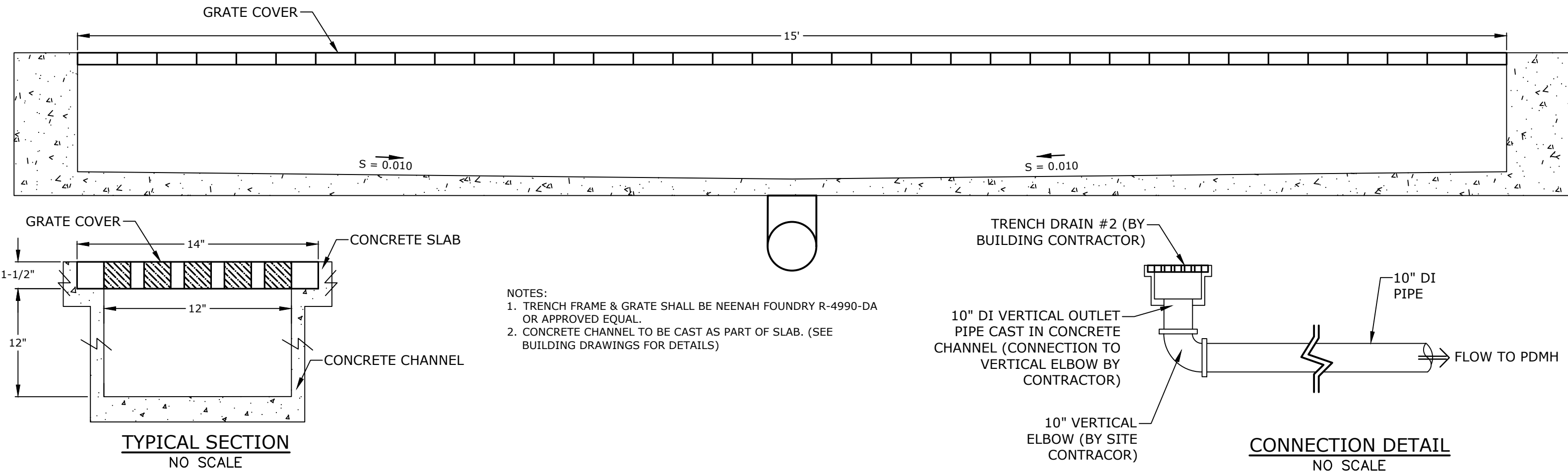
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FILE:	W2176-005A-C-DTLS_recover.dwg	
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CHECKED:	DGM	
APPROVED:	FJH	

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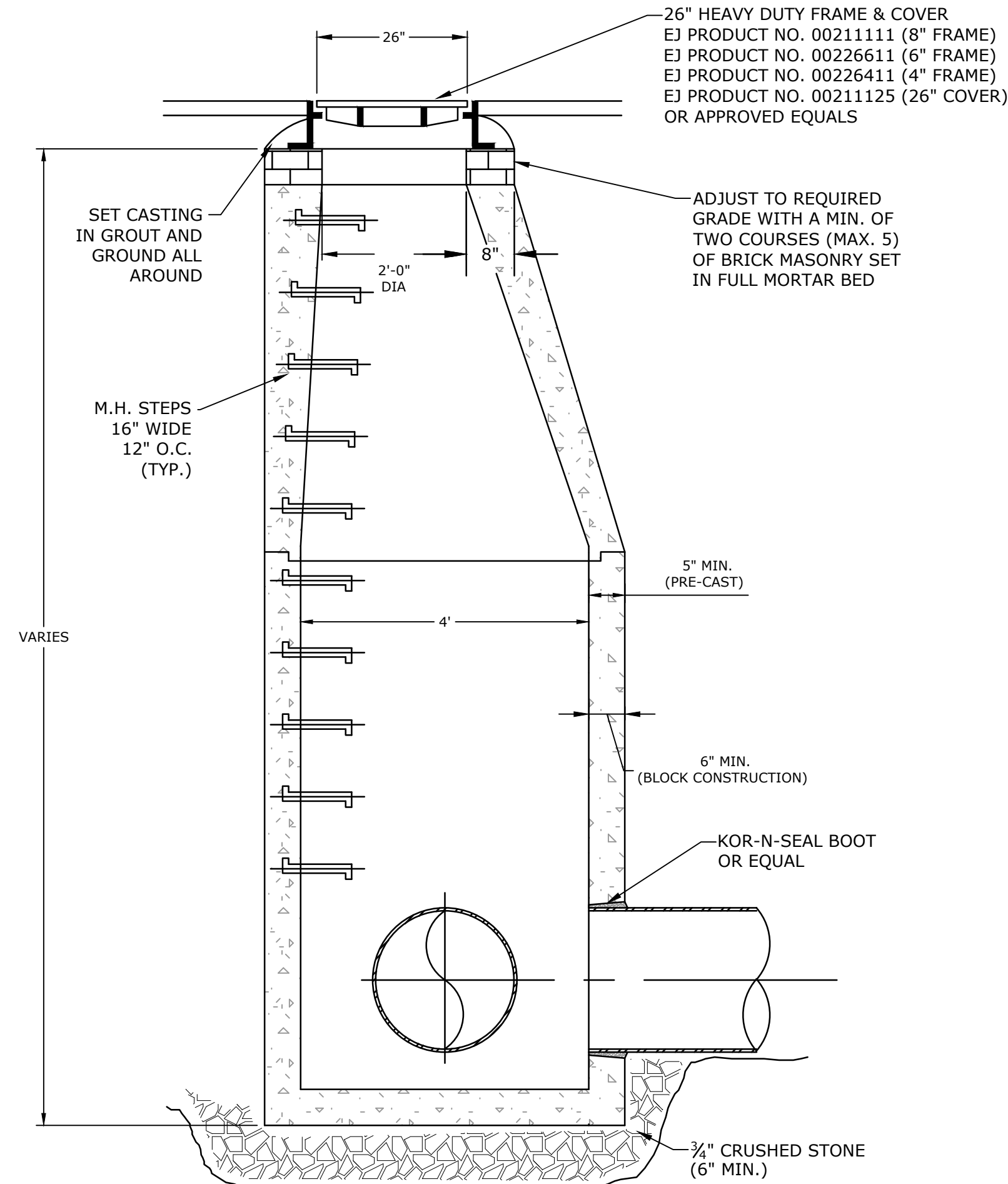
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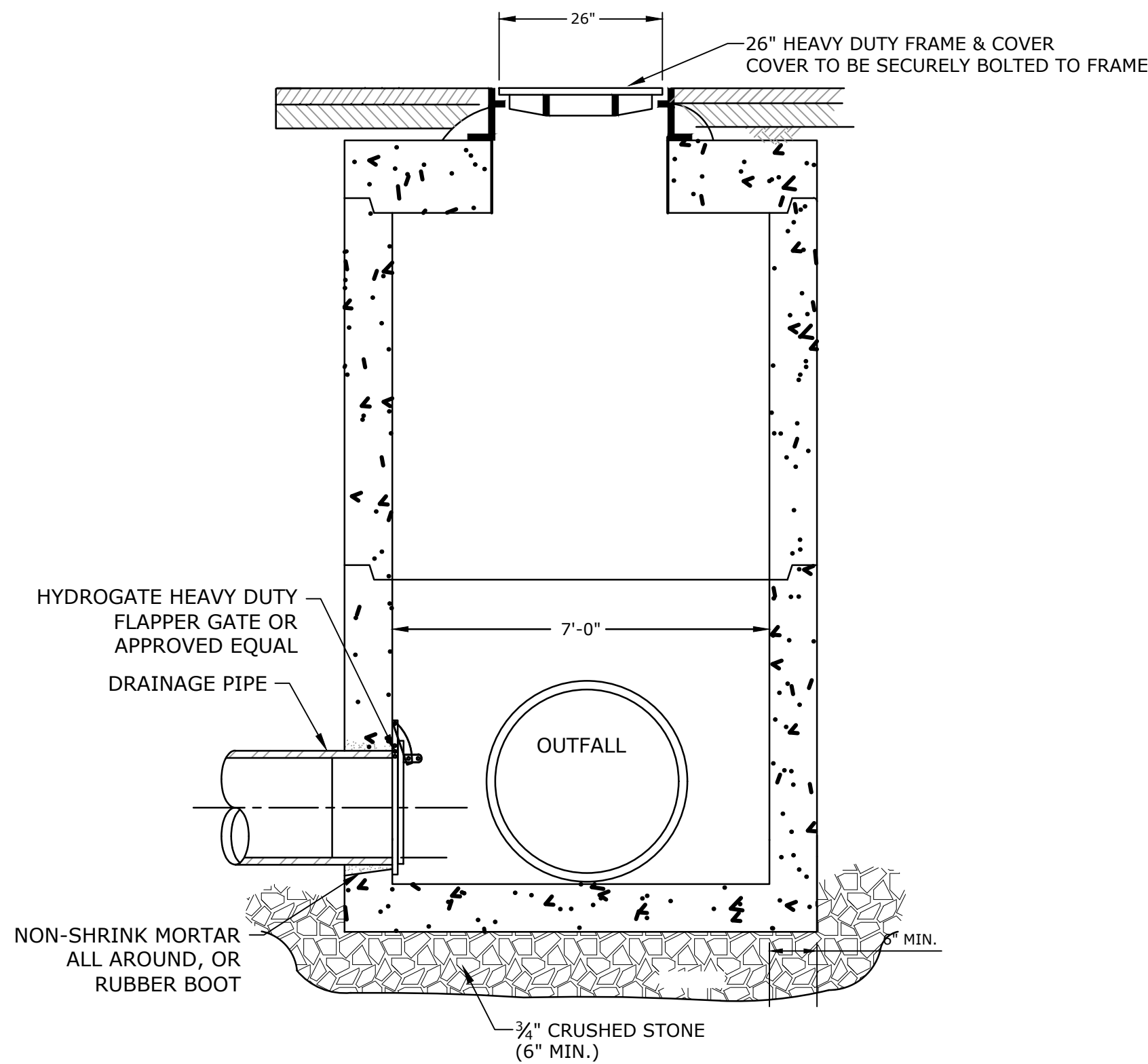
TRENCH DRAIN DETAIL
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1
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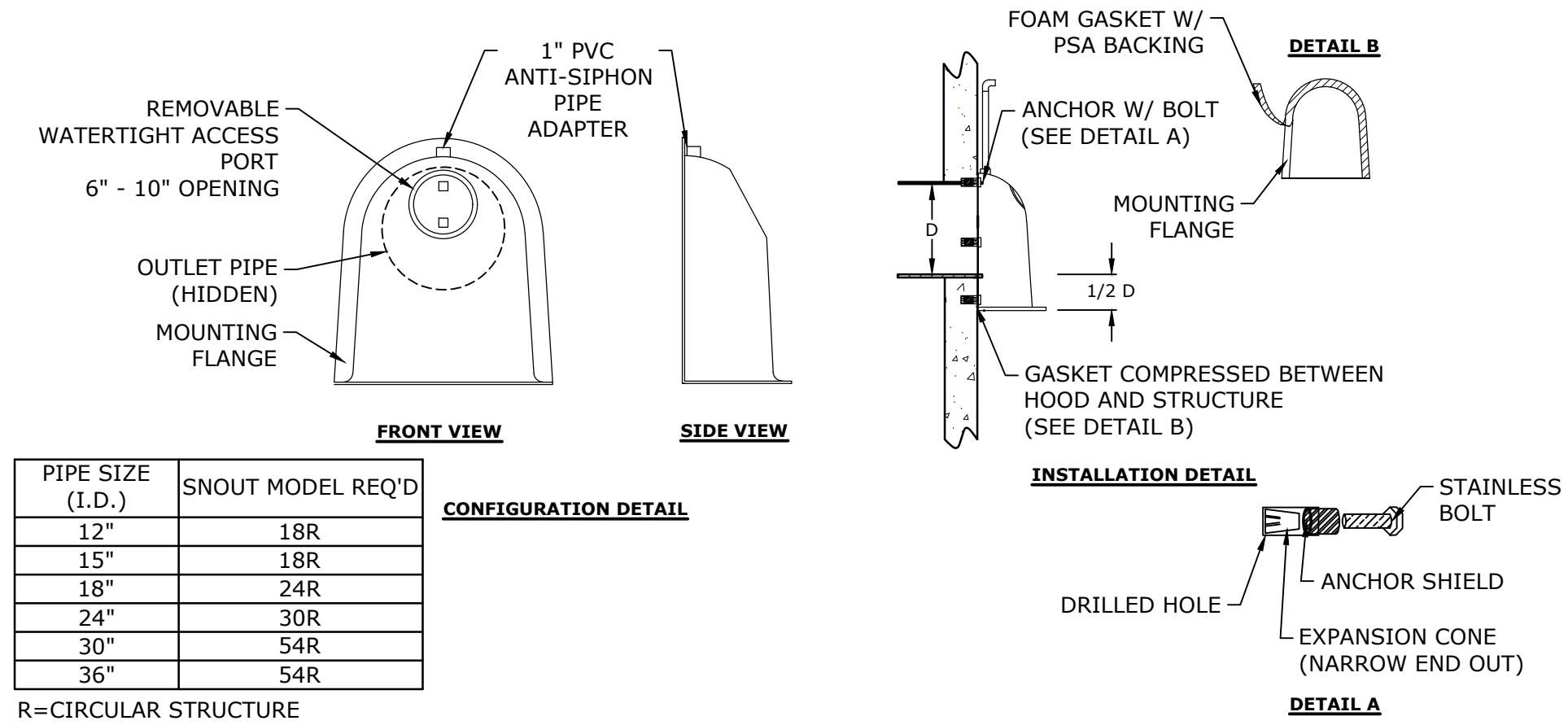
DRAIN MANHOLE
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3
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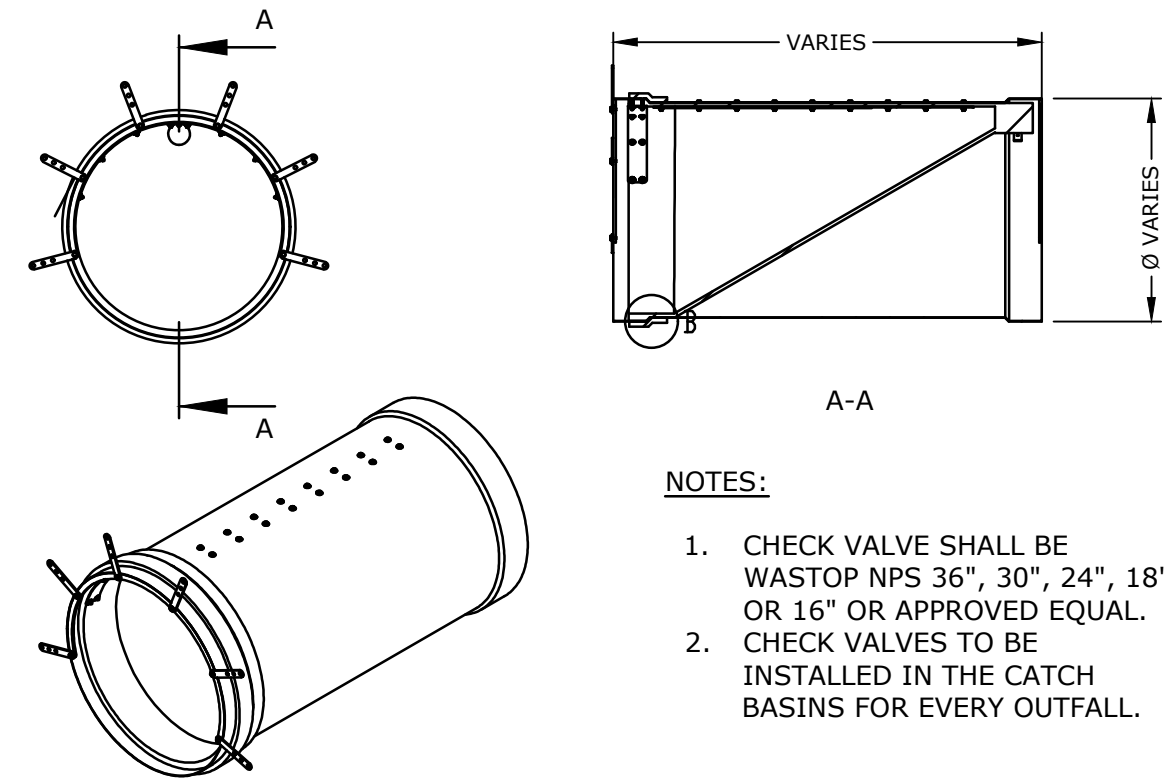
CHECK VALVE STRUCTURE
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4
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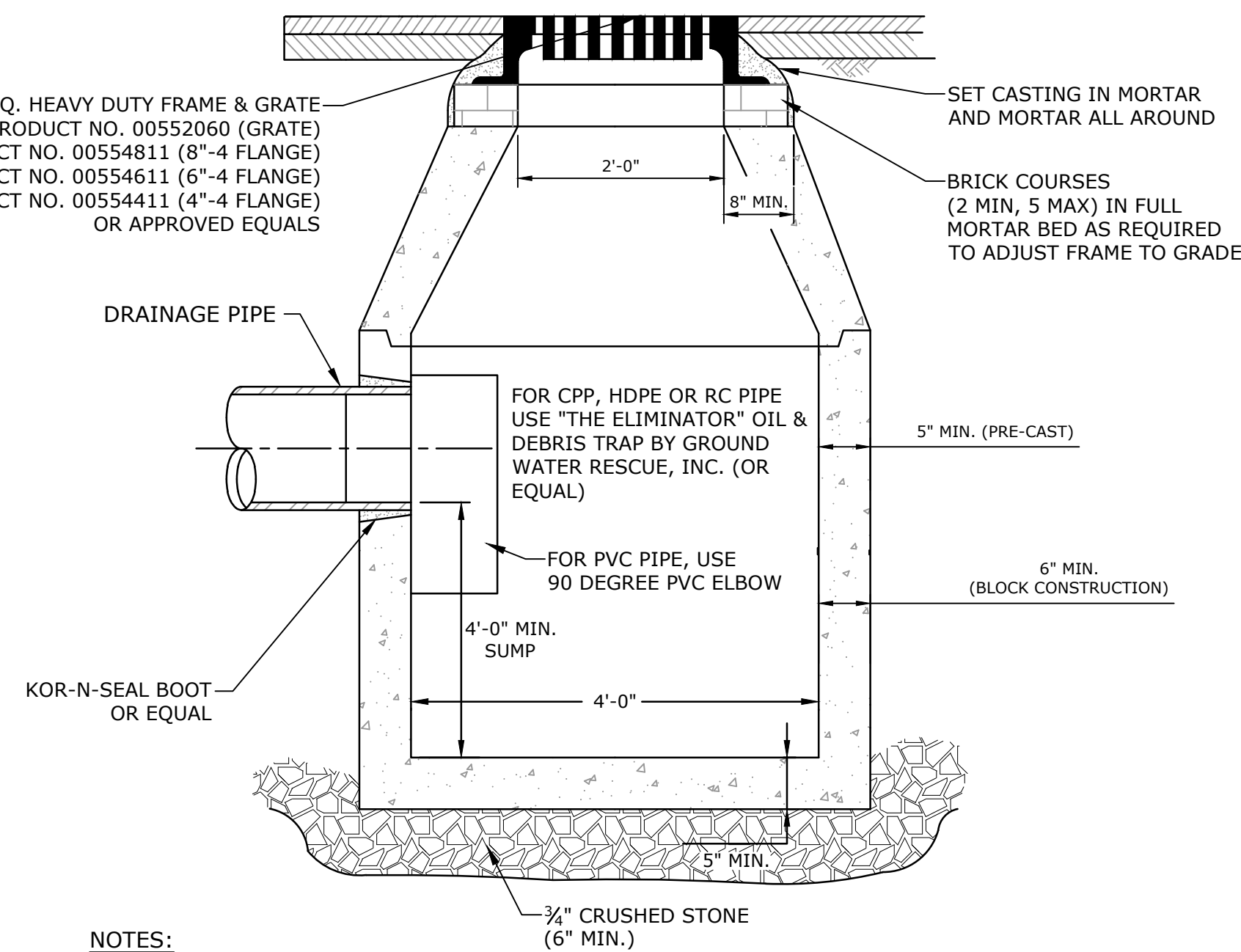
OIL-WATER-DEBRIS SEPARATOR HOOD
NO SCALE

6
-



IN-LINE CHECK VALVE
NO SCALE

2
-



CATCH BASIN
NO SCALE

5
-

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Weymouth Neck Infrastructure Improvements Project

Town of Weymouth, MA

Weymouth, Massachusetts

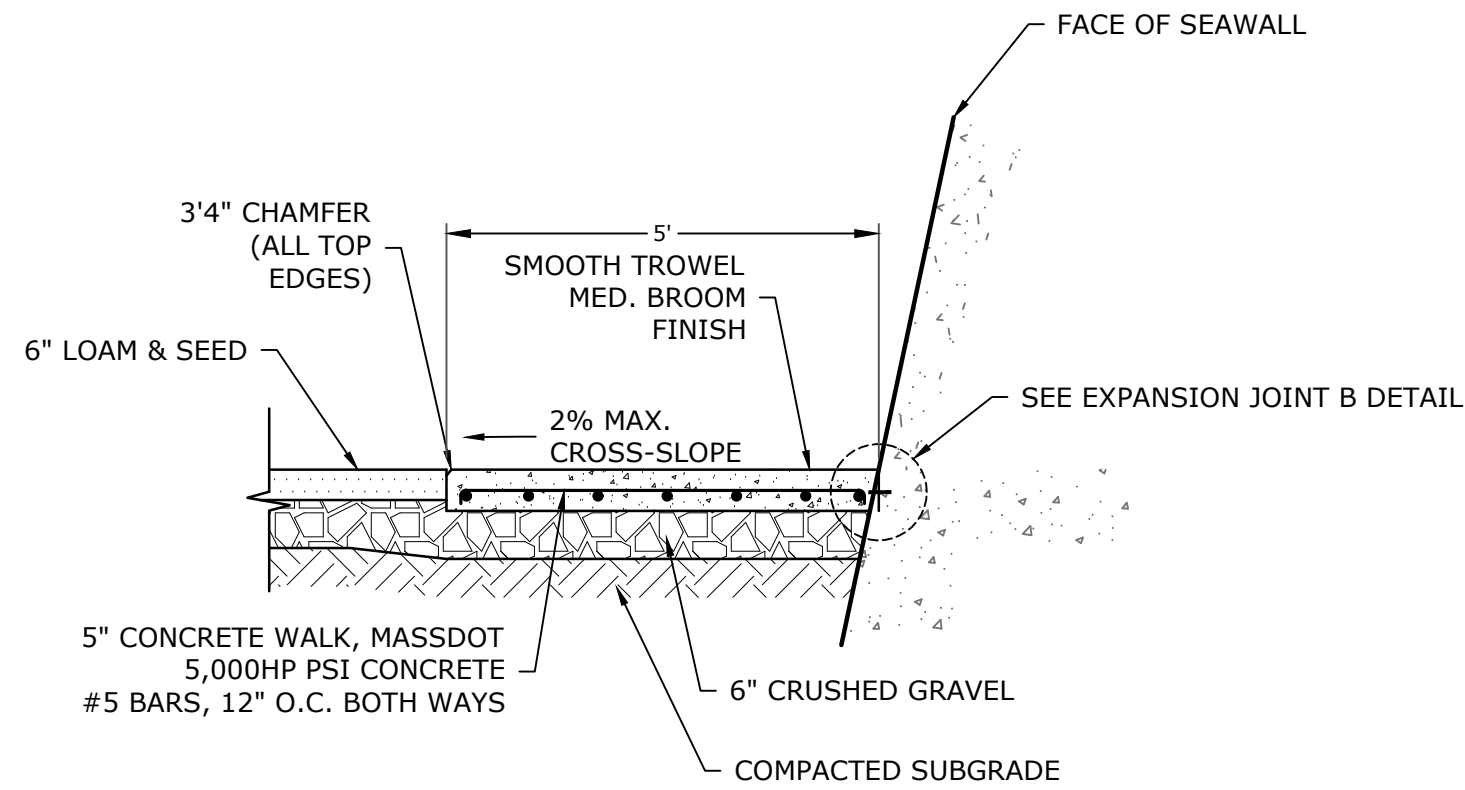
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DETAILS - 2

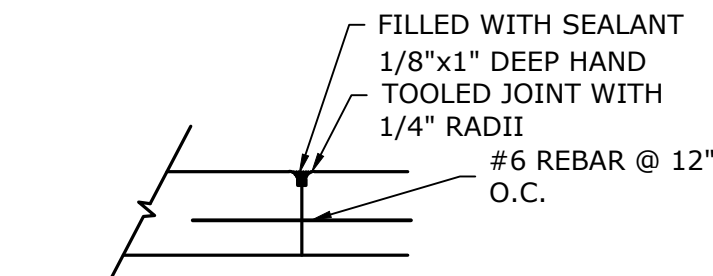
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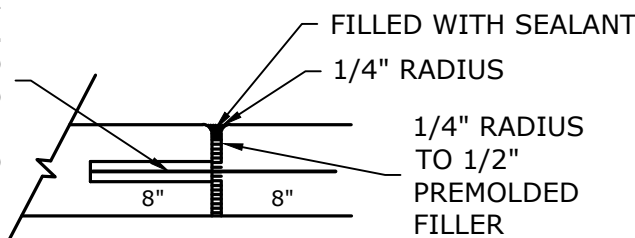


NOTES:
1. SEE SITE PLAN FOR SIDEWALK WIDTH AND LOCATIONS.

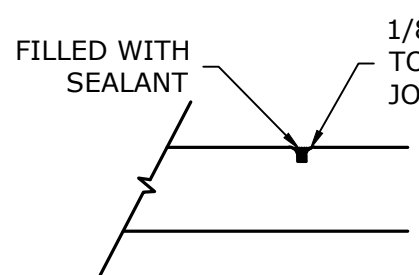


CONSTRUCTION JOINT

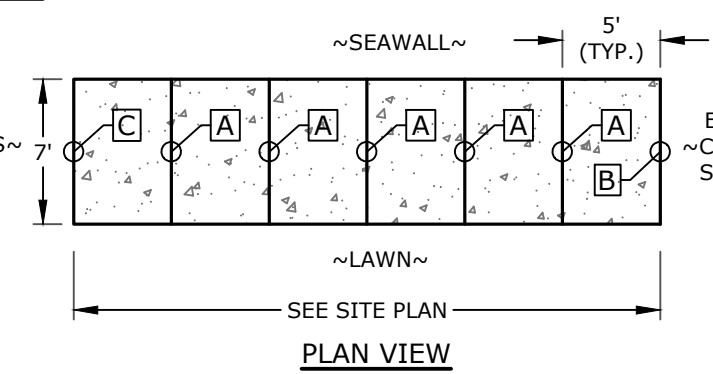
3/4" SMOOTH DOWEL W/ SLEEVE @ 12" O.C. COAT WITH BOND BREAKING COMPOUND BEFORE ADJACENT SLAB IS POURED



EXPANSION JOINT B

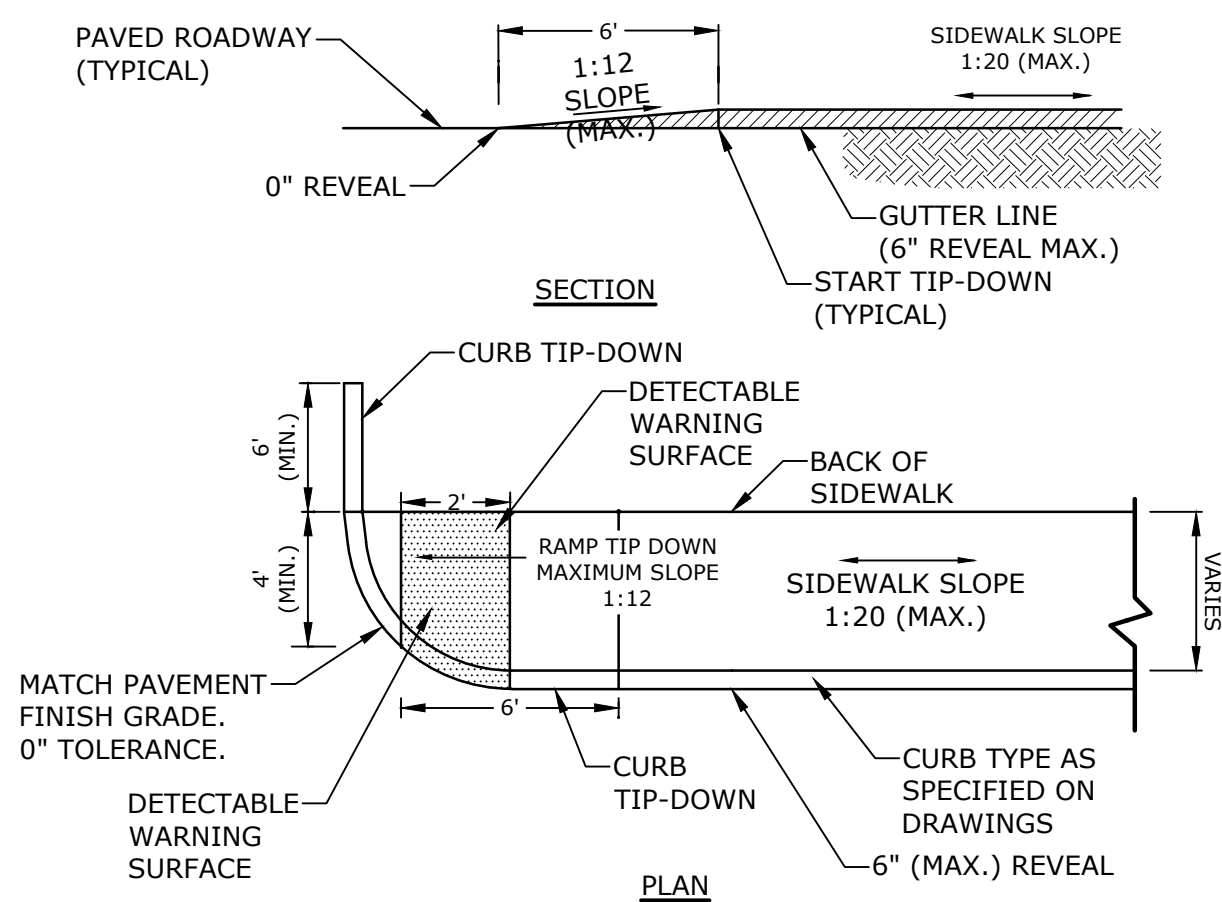


CONTROL JOINT A



CONCRETE SIDEWALK
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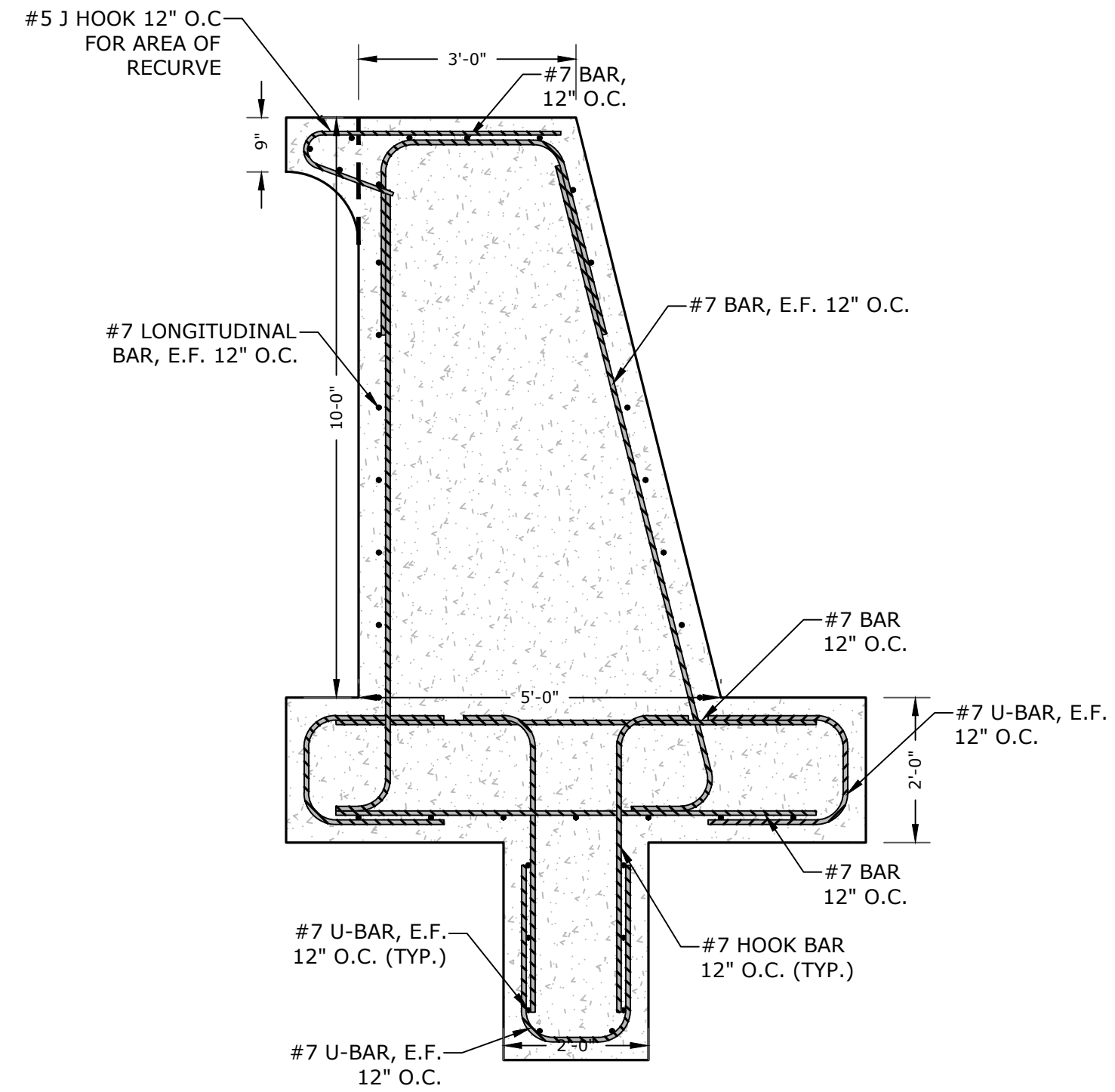
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NOTES:
1. RAMP SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE AMERICANS WITH DISABILITIES ACT AND LOCAL AND STATE REQUIREMENTS
2. PROVIDE 6" COMPACTED CRUSHED GRAVEL BASE BENEATH RAMP.
3. DETECTABLE WARNING STRIP SHALL BE ADA SOLUTIONS, INC. CAST IN PLACE RAMP. INSTALL PER MANUFACTURER'S RECOMMENDATIONS.

CONCRETE SIDEWALK TIP-DOWN RAMP
NO SCALE

2
-

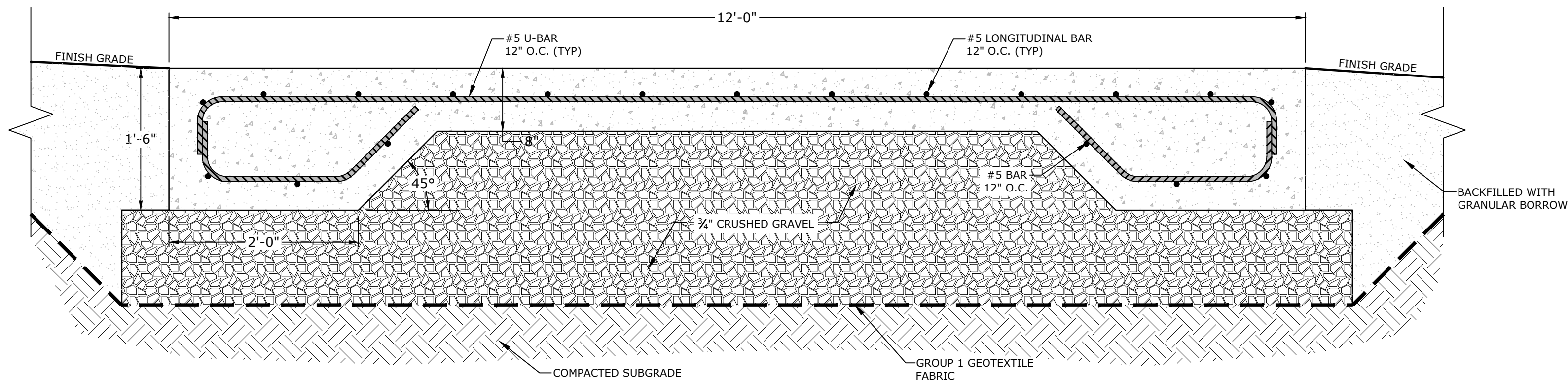


NOTE:

1. ALL REBAR SHALL BE HOT DIPPED GALVANIZED IN ACCORDANCE WITH ASTM A767

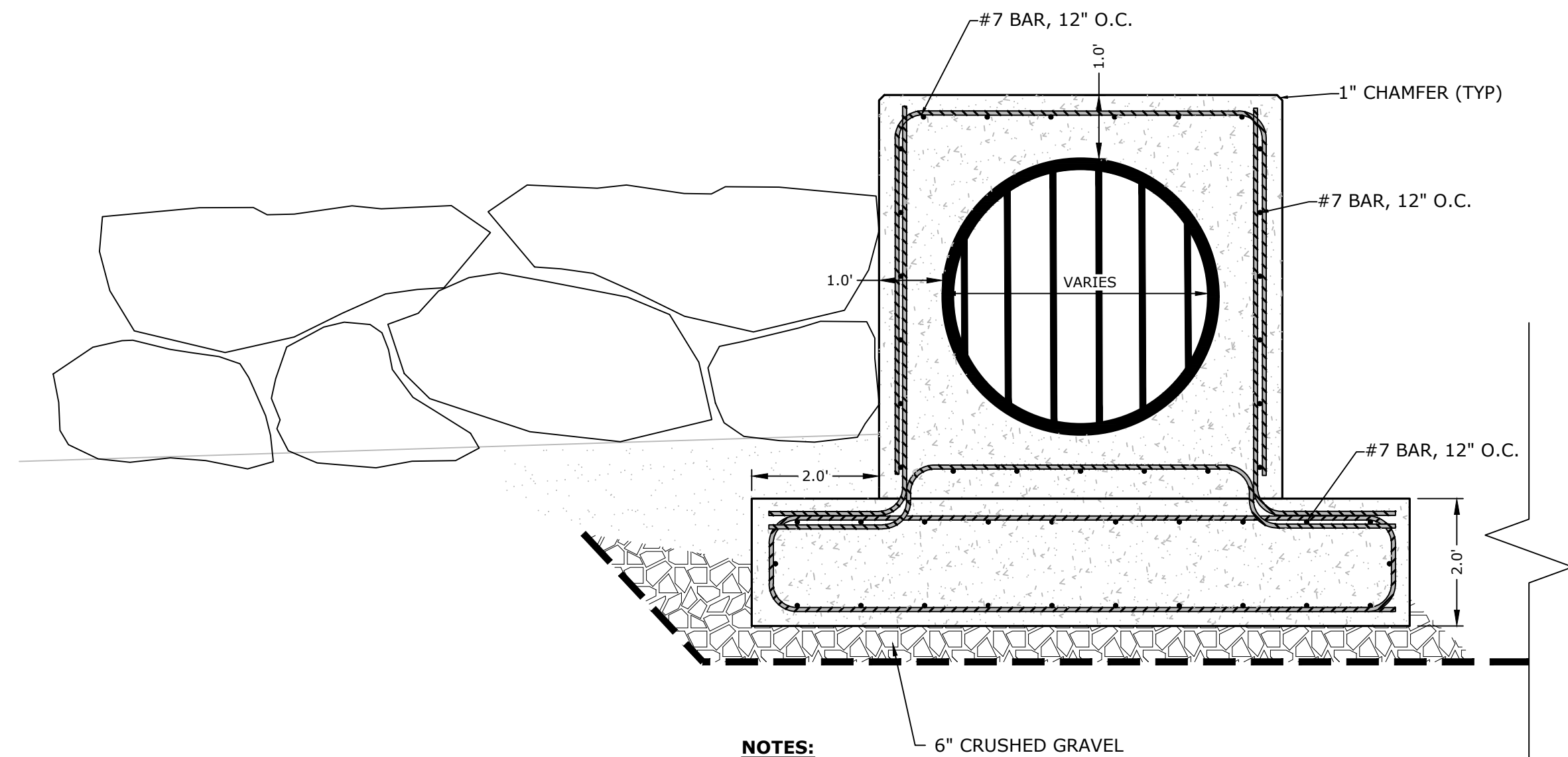
WALL REINFORCEMENT SECTION
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3
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CONCRETE RAMP DETAIL
NO SCALE

5
-

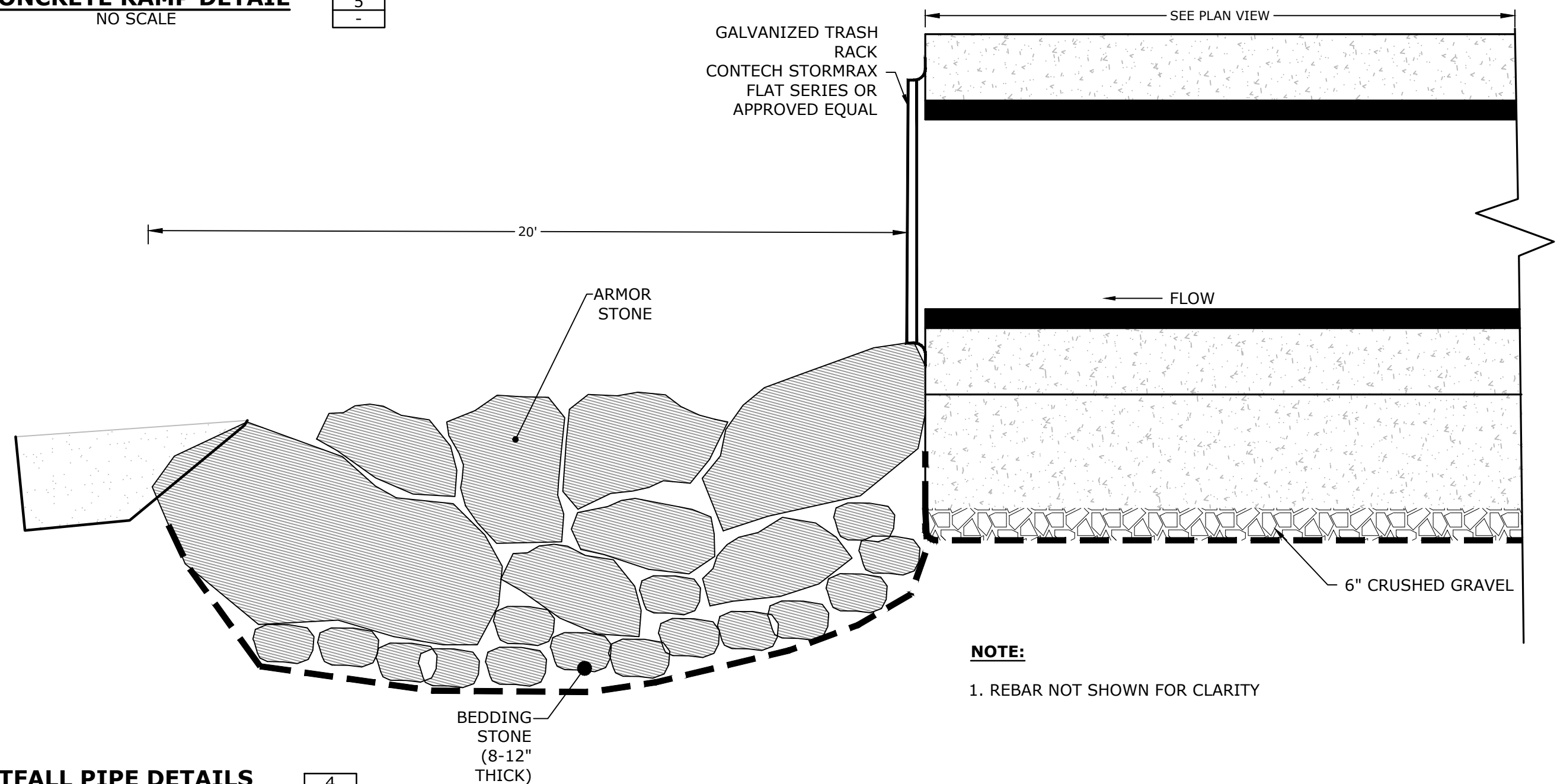


NOTES:

1. ARMOR STONE TO BE PLACED AT PROPOSED OUTFALL OUTLETS OF 30" DIA. OR GREATER
2. NON-WOVEN GEOTEXTILE BELOW STONE REVETMENT SHALL BE PROPEX GEOTEX 1601 OR APPROVED EQUAL
3. 3" CLEAR COVER ON ALL REBAR

OUTFALL PIPE DETAILS
NO SCALE

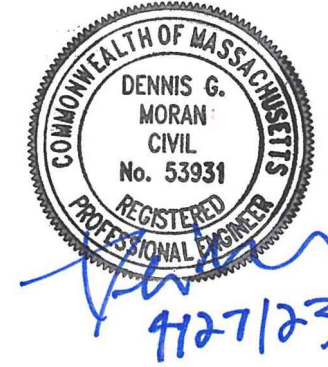
4
-



NOTE:

1. REBAR NOT SHOWN FOR CLARITY

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Weymouth, MA

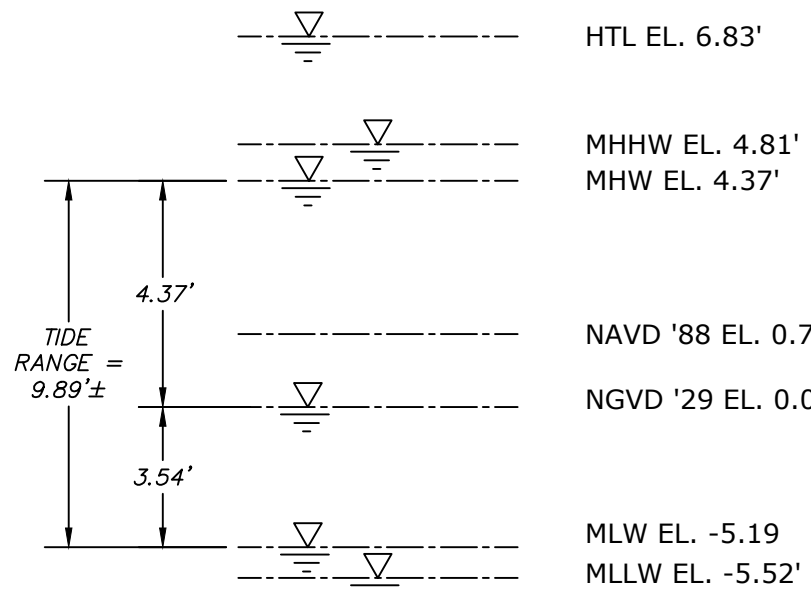
Weymouth,
Massachusetts

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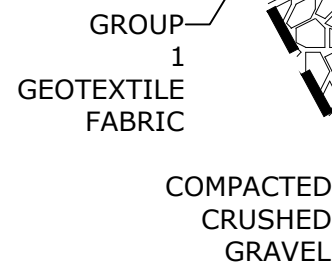
DETAILS - 3

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C.503



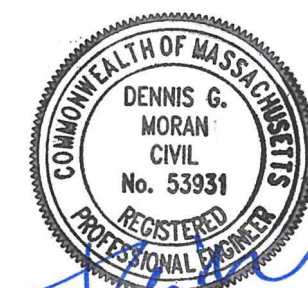
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2
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C.504

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4/27/23

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Infrastructure Improvements
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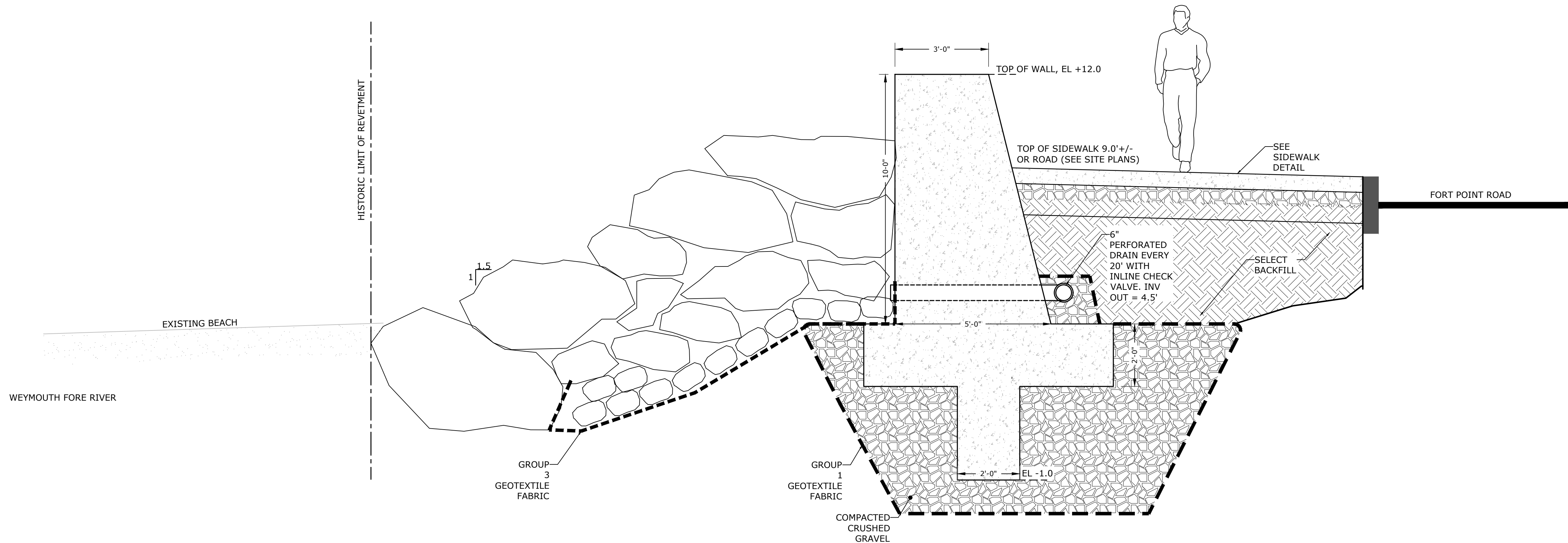
Weymouth,
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PROPOSED WALL
SECTIONS - 2

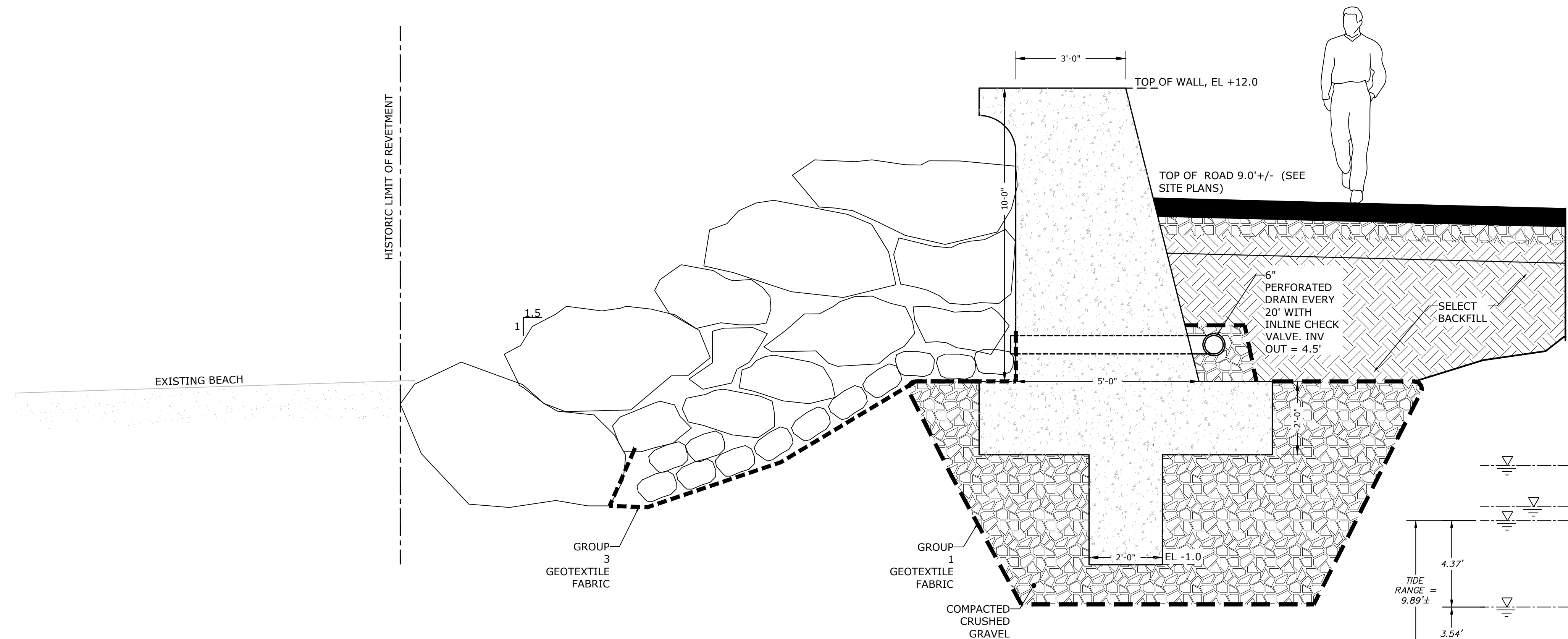
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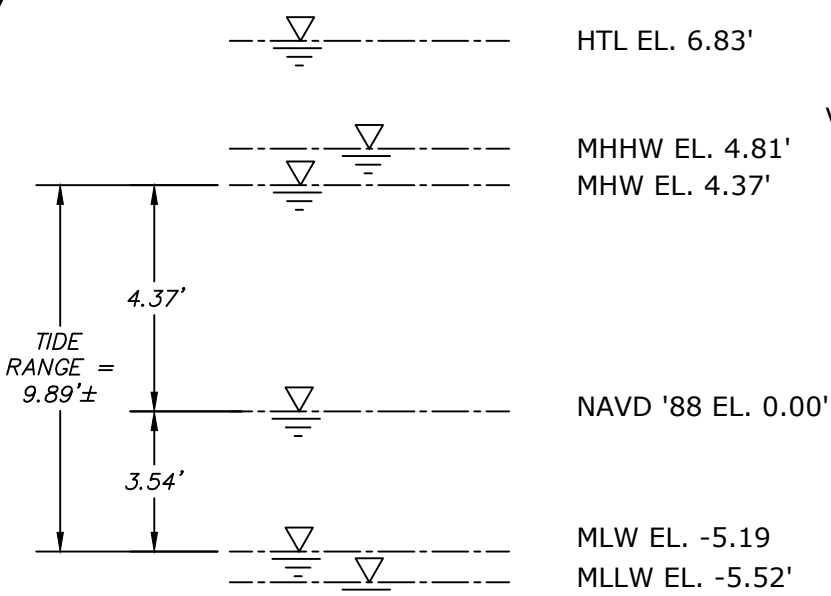
PROPOSED WALL SECTION STA 6+30- STA 18+50
1/2"=1'-0"

1



PROPOSED WALL SECTION STA 18+50 - 19+78
1/2"=1'-0"

2



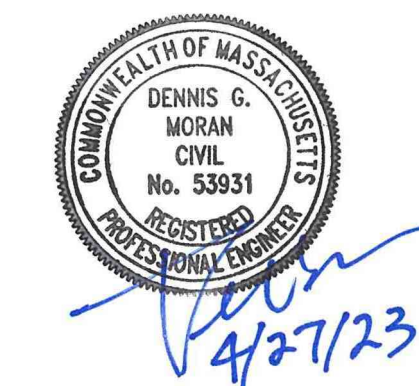
VERTICAL DATUM CONVERSION DIAGRAM

VERTICAL DATUM NOTE:

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PID: NONE
LOCATION: WEYMOUTH FORE RIVER, MA

LATITUDE: 42.25 N
LONGITUDE: 70.97 W



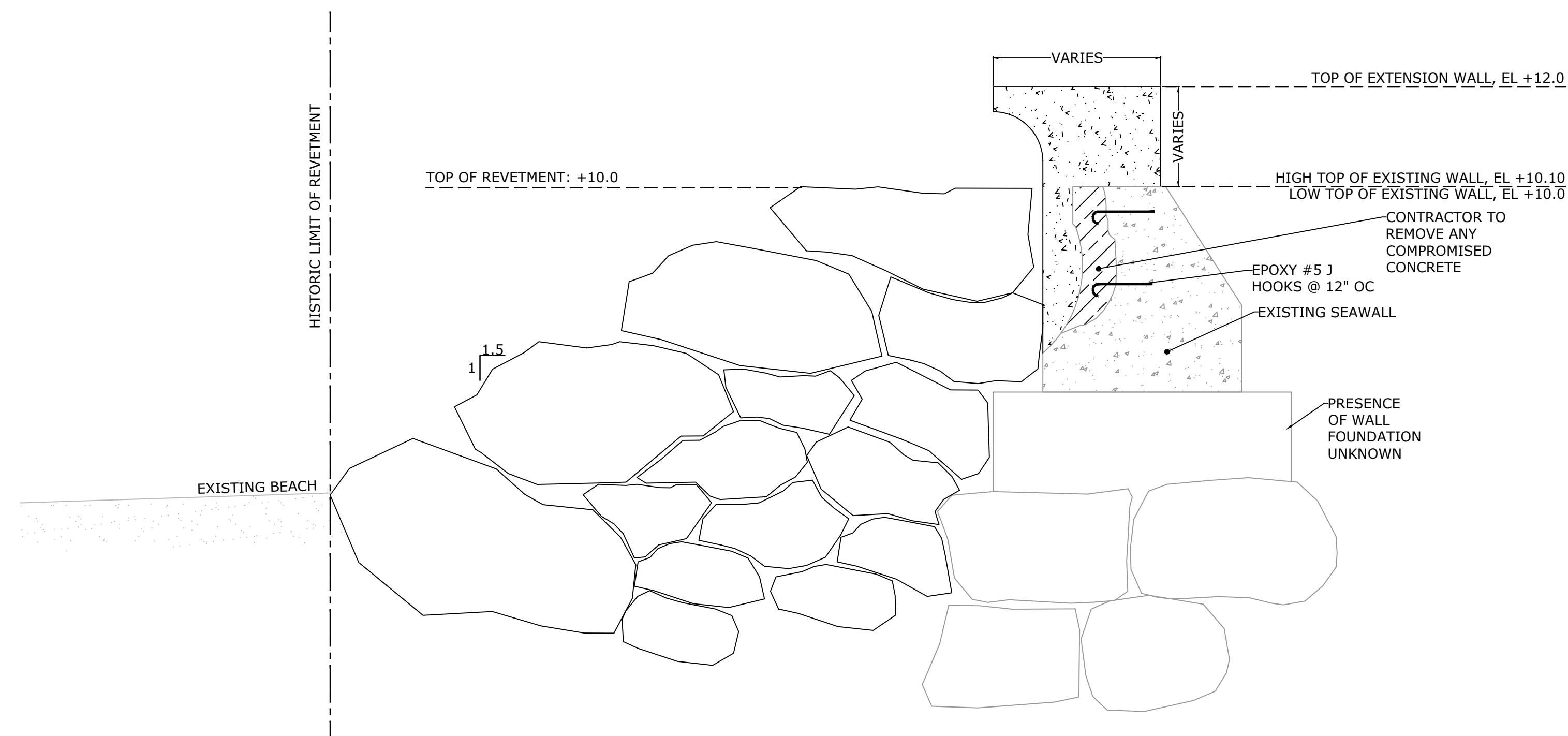
Weymouth Neck Infrastructure Improvements Project

Weymouth,
Massachusetts

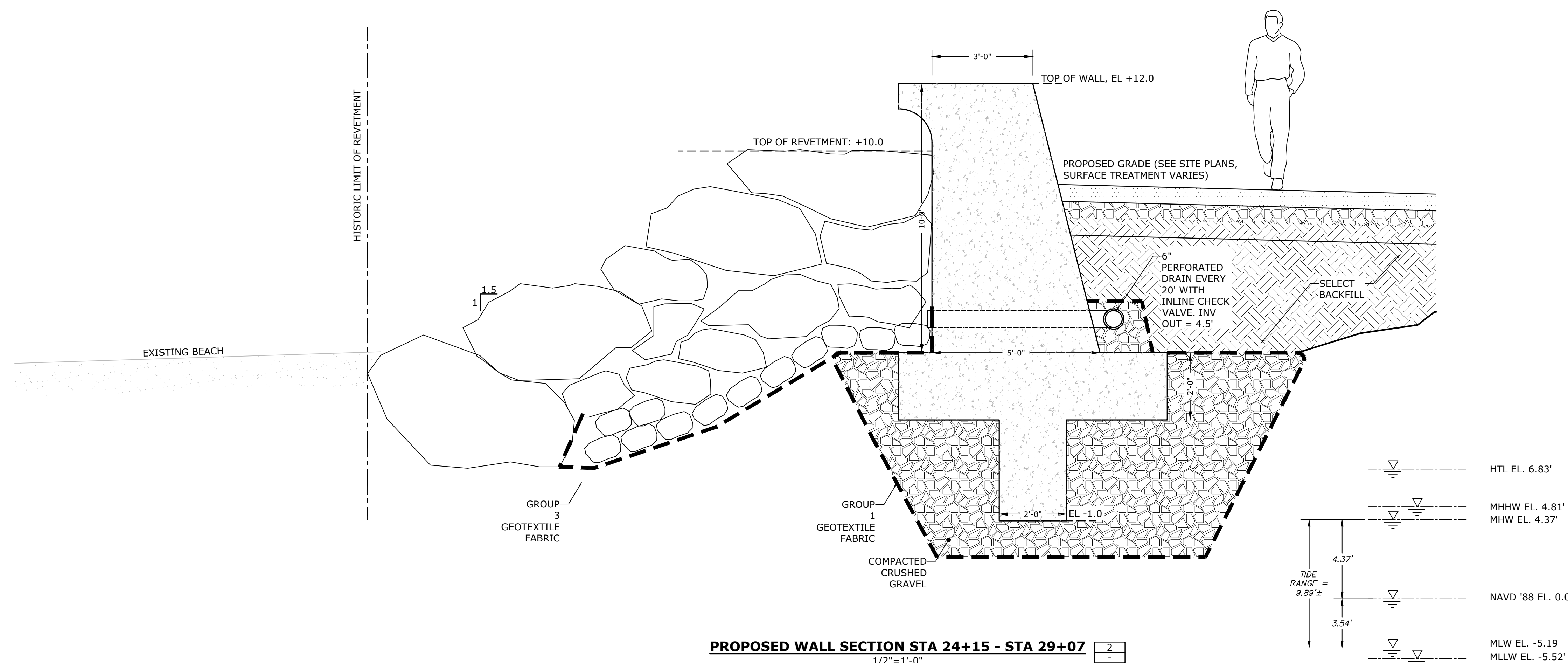
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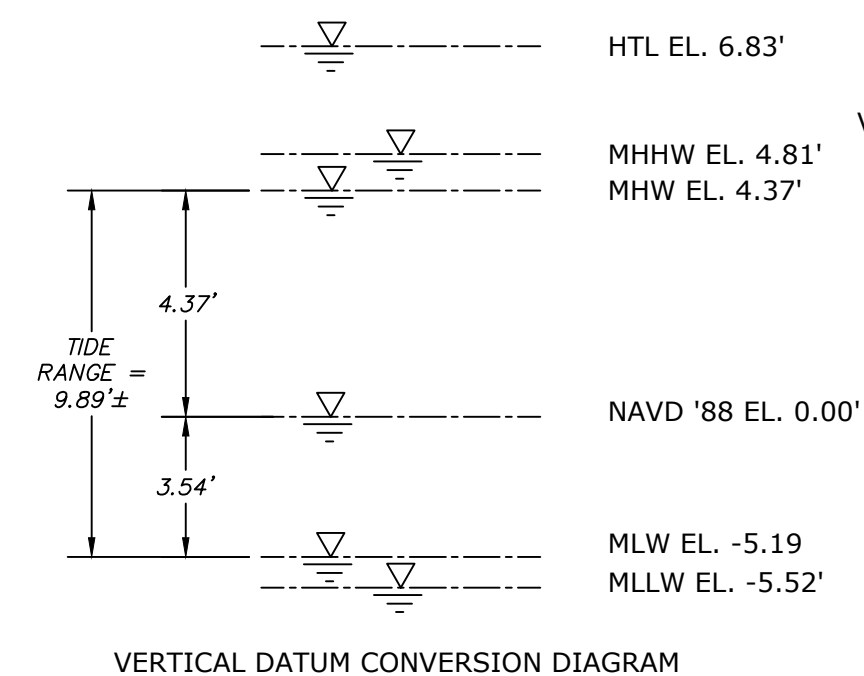
C.506



PROPOSED WALL SECTION STA 19+78 - STA 24+15



PROPOSED WALL SECTION STA 24+15 - STA 29+07

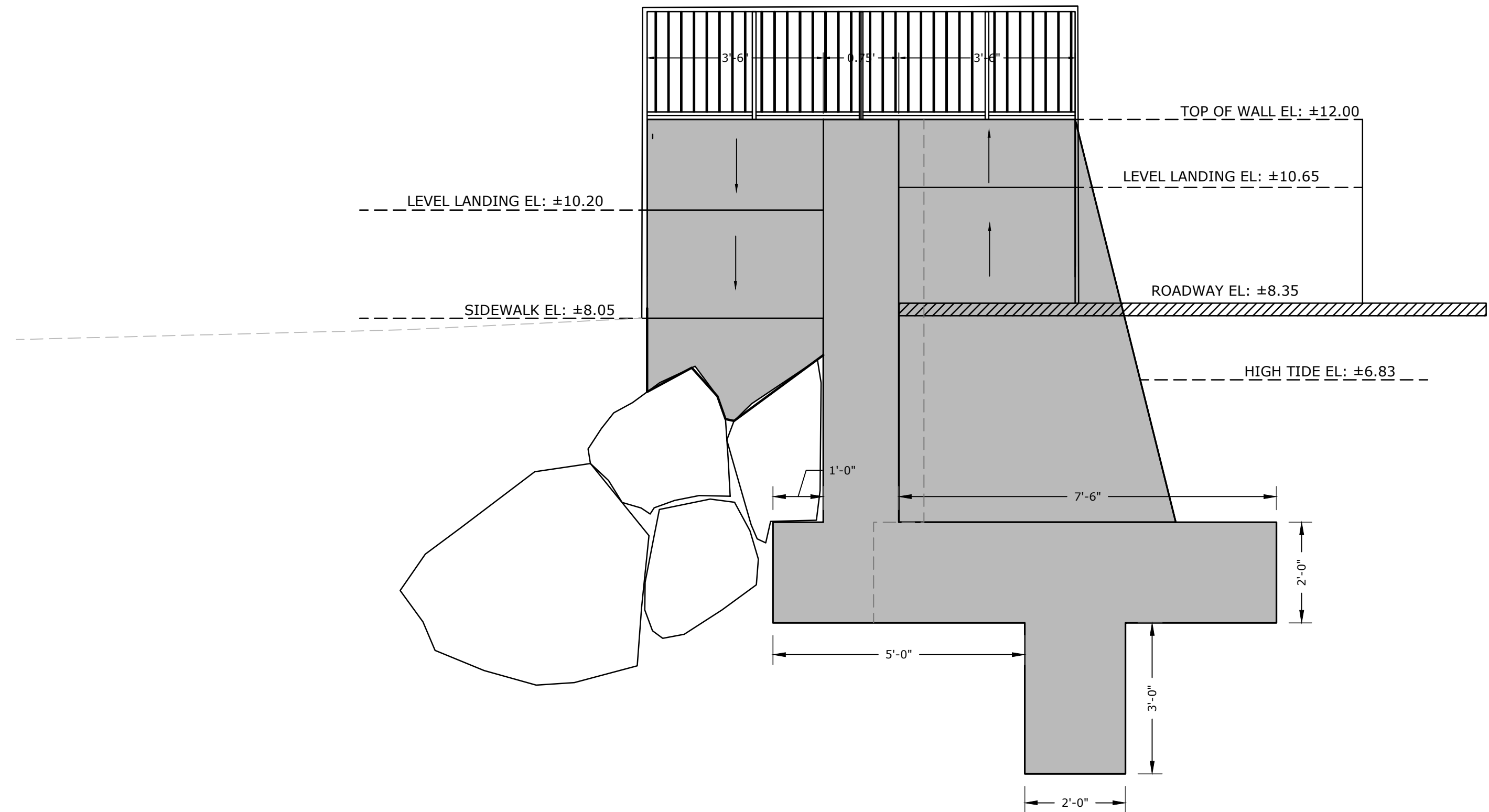


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LOCATION: WEYMOUTH FORE RIVER, MA

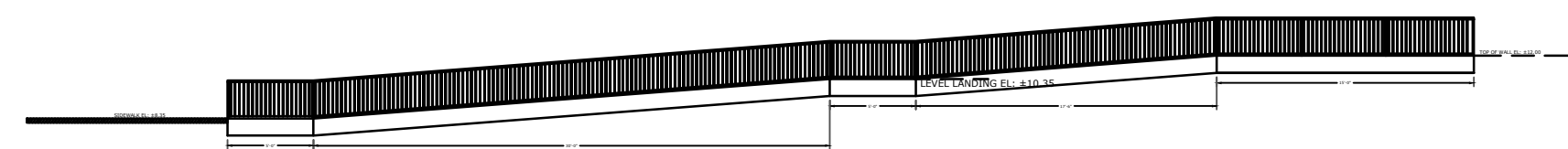
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LONGITUDE: 70.97 W

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PROPOSED STAIR AND RAMP SECTION STA 4+00
1/2"=1'-0"

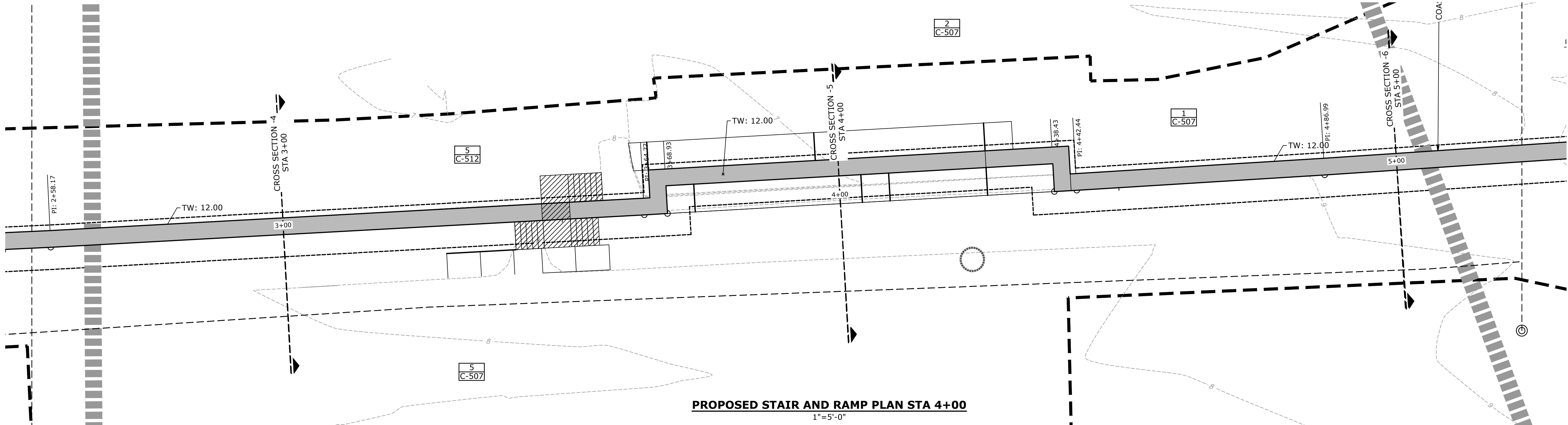
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PROPOSED RAMP PROFILE STA 4+00
1/4"=1'-0"

2
-

2
C-507



PROPOSED STAIR AND RAMP PLAN STA 4+00
1"=5'-0"

5
C-507

1
C-507

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4/27/23

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**Weymouth
Neck
Infrastructure
Improvements
Project**

Town of
Weymouth, MA

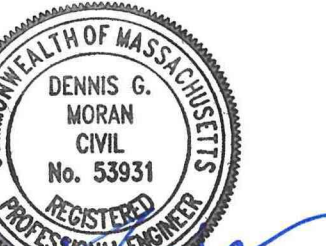
Weymouth,
Massachusetts

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CHECKED:	DGM	
APPROVED:	FJH	

**STAIR AND RAMP CROSS
SECTIONS**

SCALE: AS SHOWN

C.507



4/27/23

Weymouth Neck Infrastructure Improvements Project

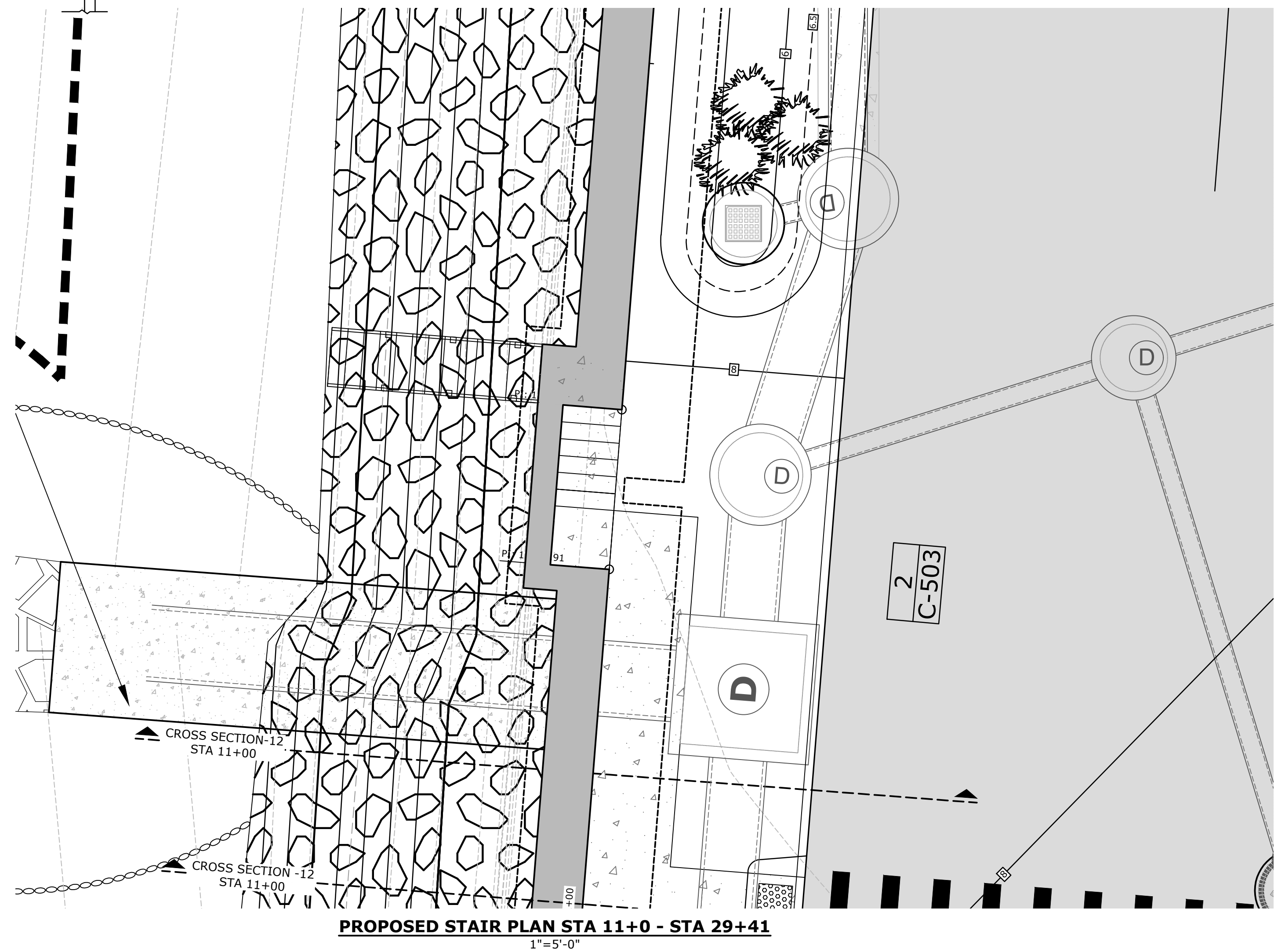
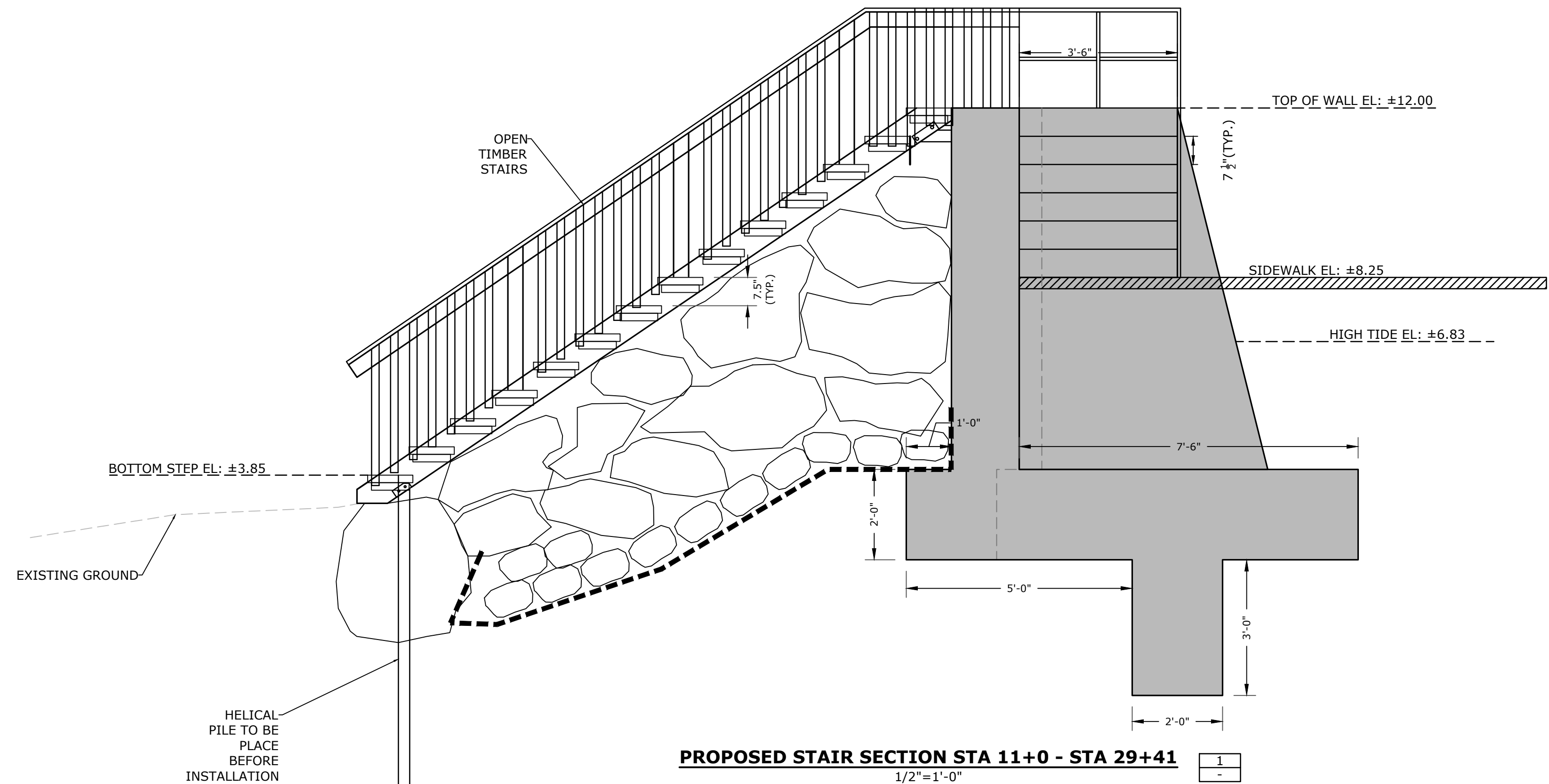
Weymouth,
Massachusetts

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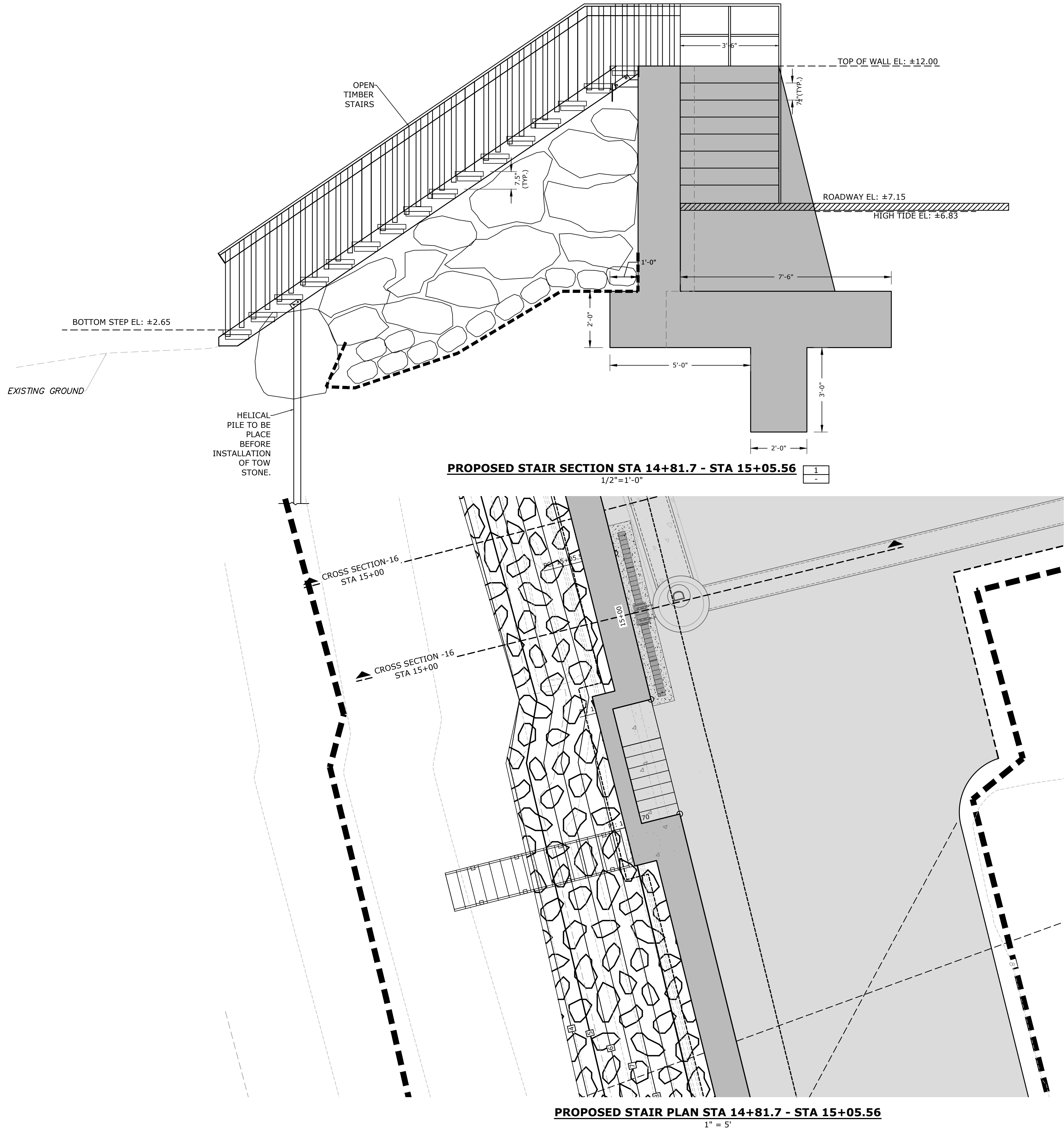
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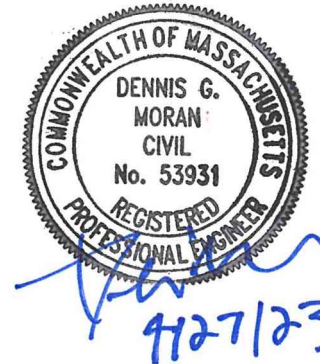
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Tighe&Bond



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Weymouth
Neck
Infrastructure
Improvements
Project

Town of
Weymouth, MA

Weymouth,
Massachusetts

MARK	DATE	DESCRIPTION
PROJECT NO:	W2176-005A	
DATE:	January 3, 2023	
FILE:	W2176-005A-C-DTLS_recover.dwg	
DRAWN BY:	TAL/MKF/CJK	
CHECKED:	DGM	
APPROVED:	FJH	

STAIR AND RAMP CROSS
SECTIONS

SCALE: AS SHOWN

C.509

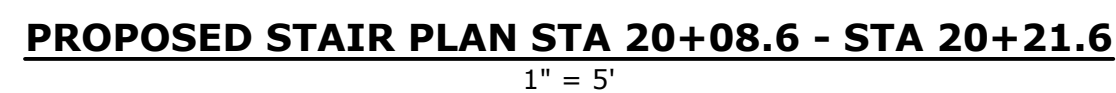
Weymouth Neck Infrastructure Improvements Project

Weymouth,
Massachusetts

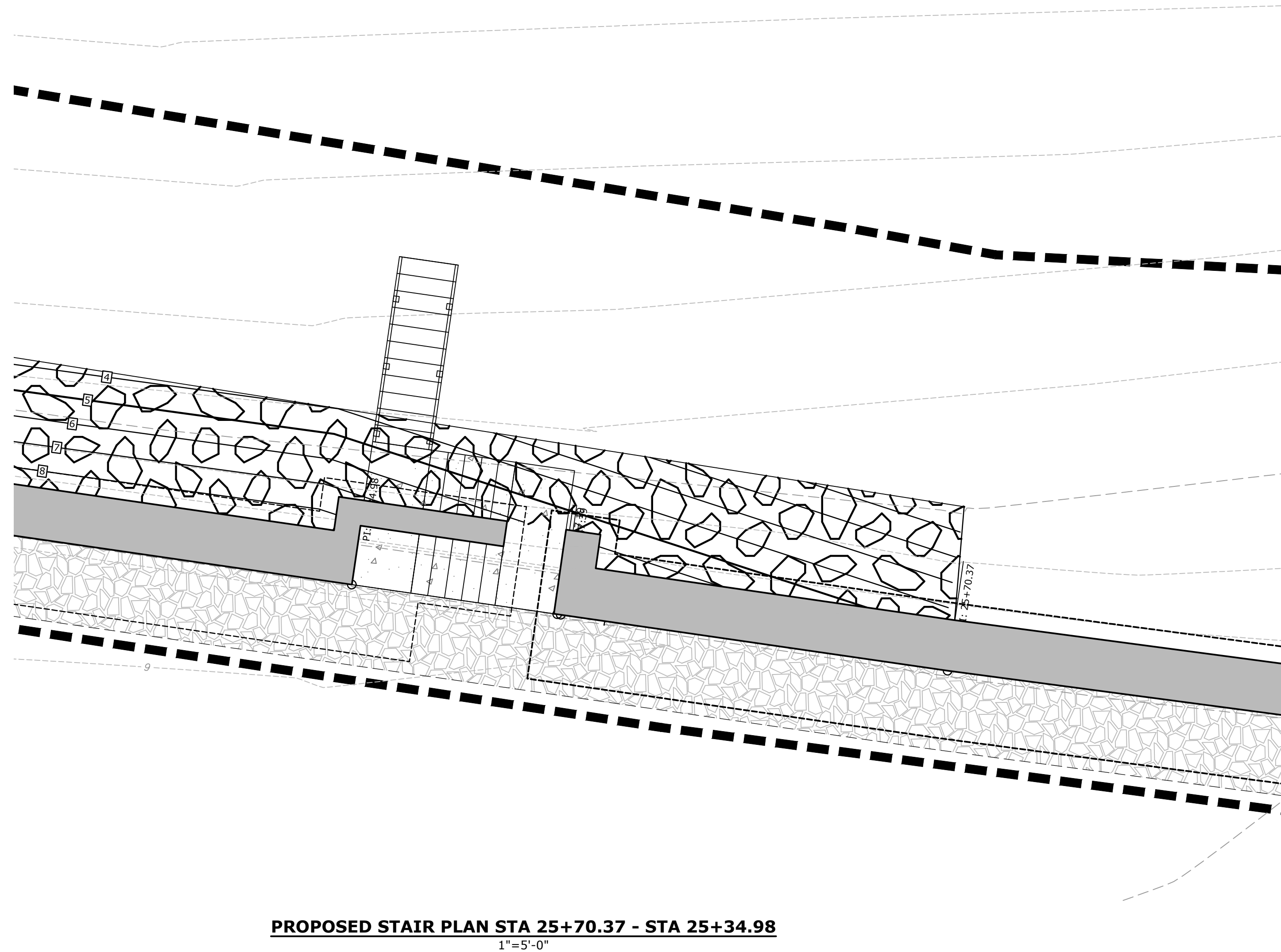
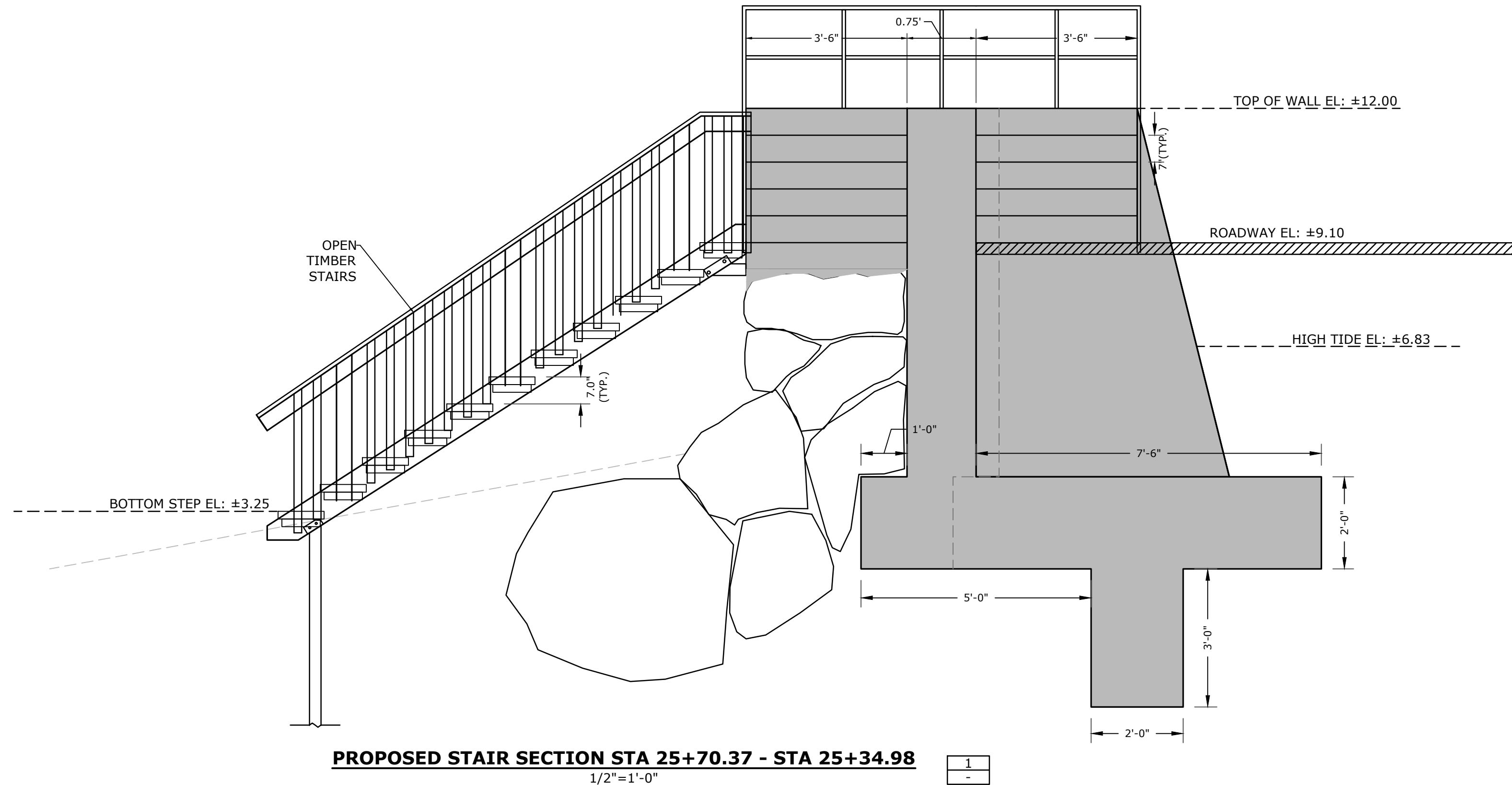
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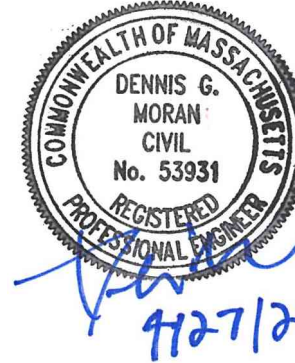
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Tighe&Bond



PERMIT SET
NOT FOR CONSTRUCTION

Weymouth
Neck
Infrastructure
Improvements
Project

Town of
Weymouth, MA

Weymouth,
Massachusetts

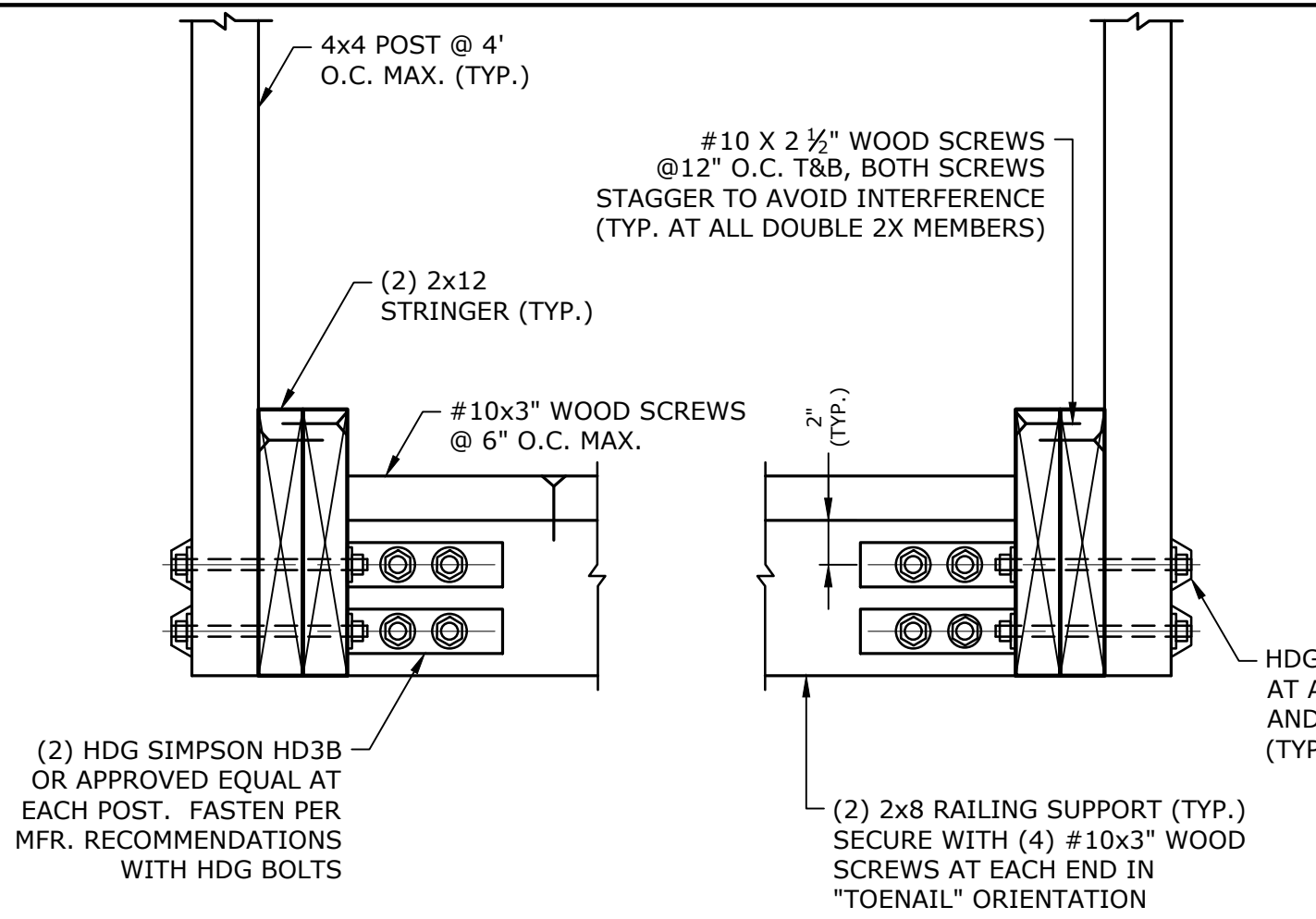
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STAIR AND RAMP CROSS
SECTIONS

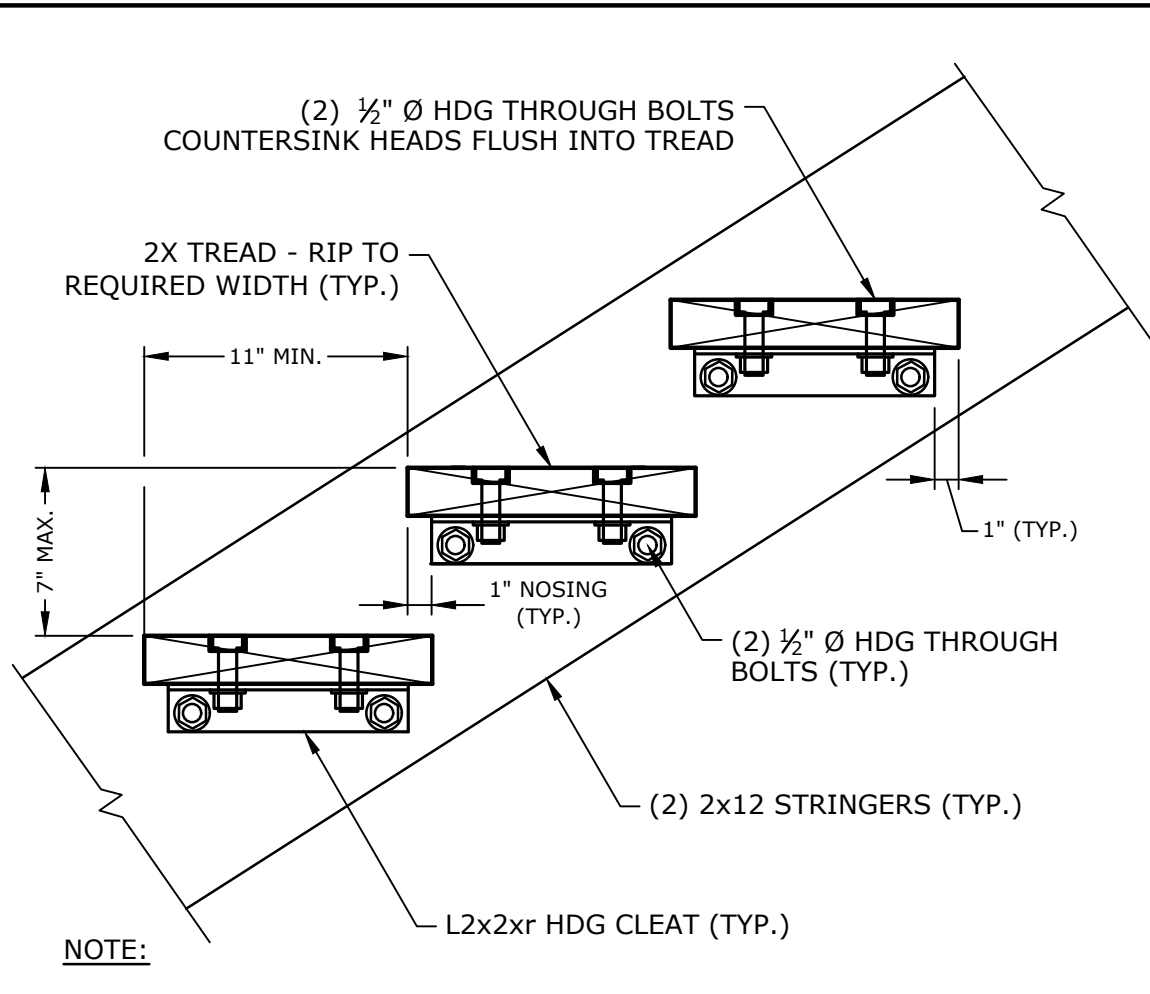
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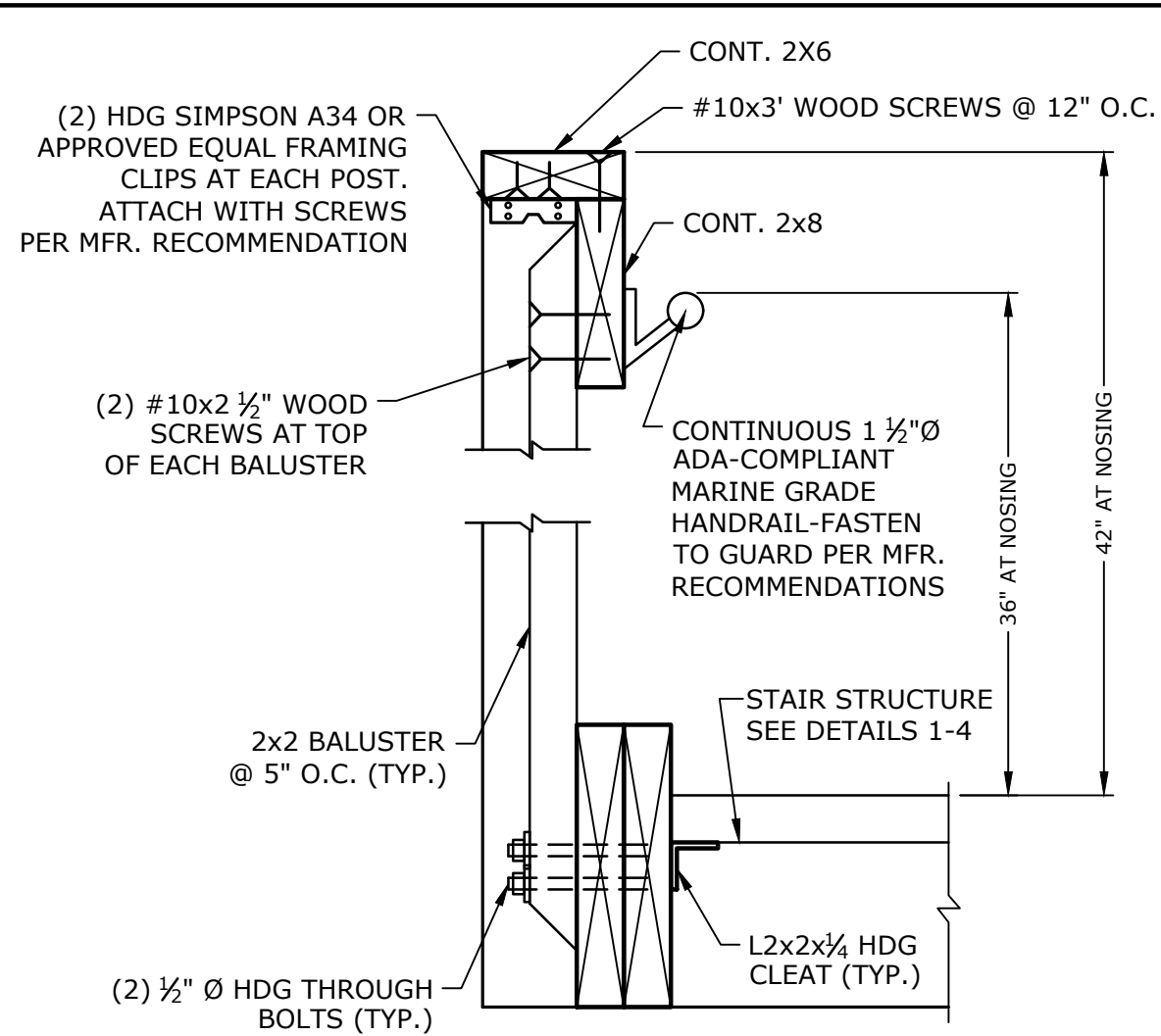
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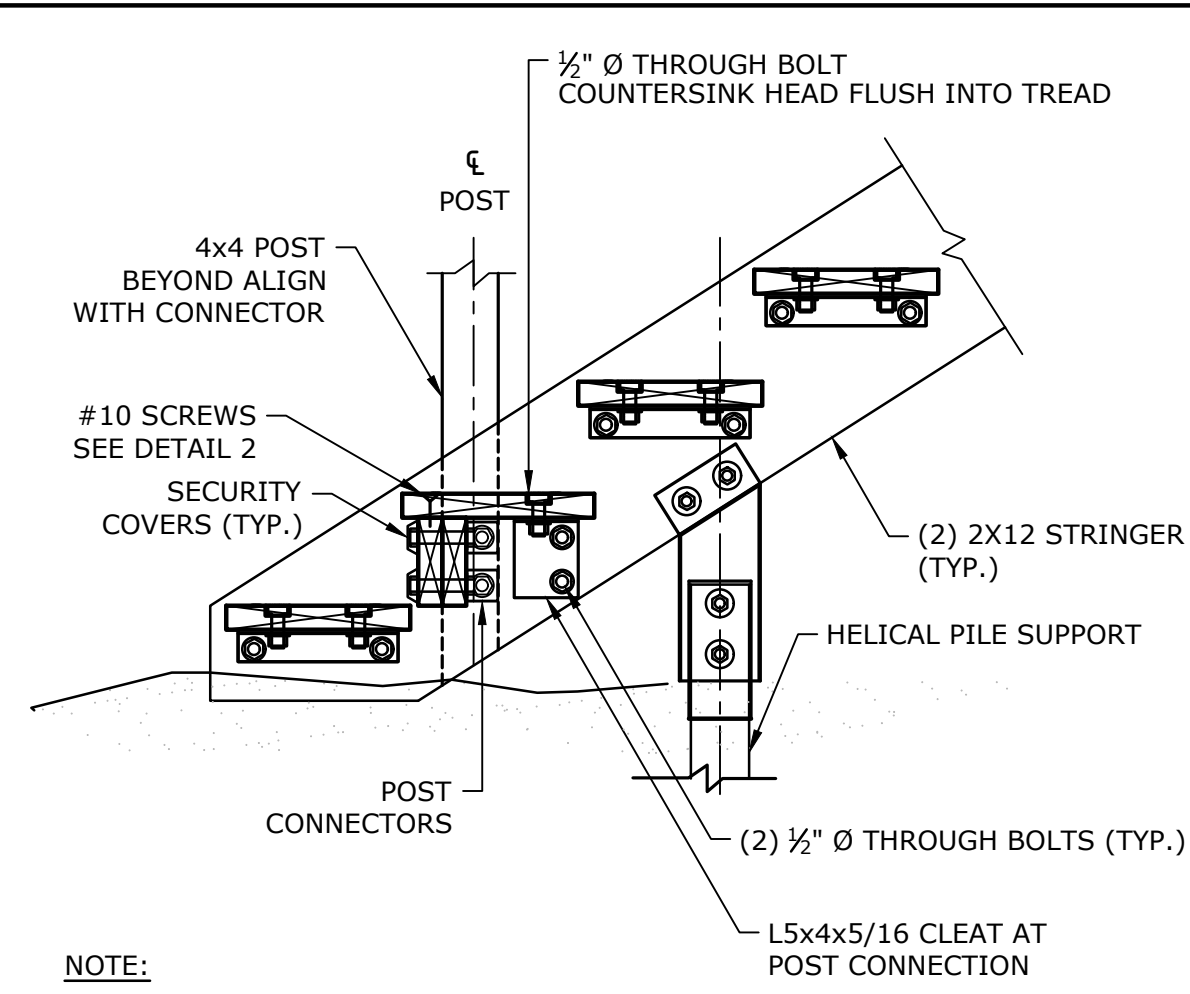
SECTION THROUGH STAIRWAY AT RAILING POST SECTION 1
NO SCALE



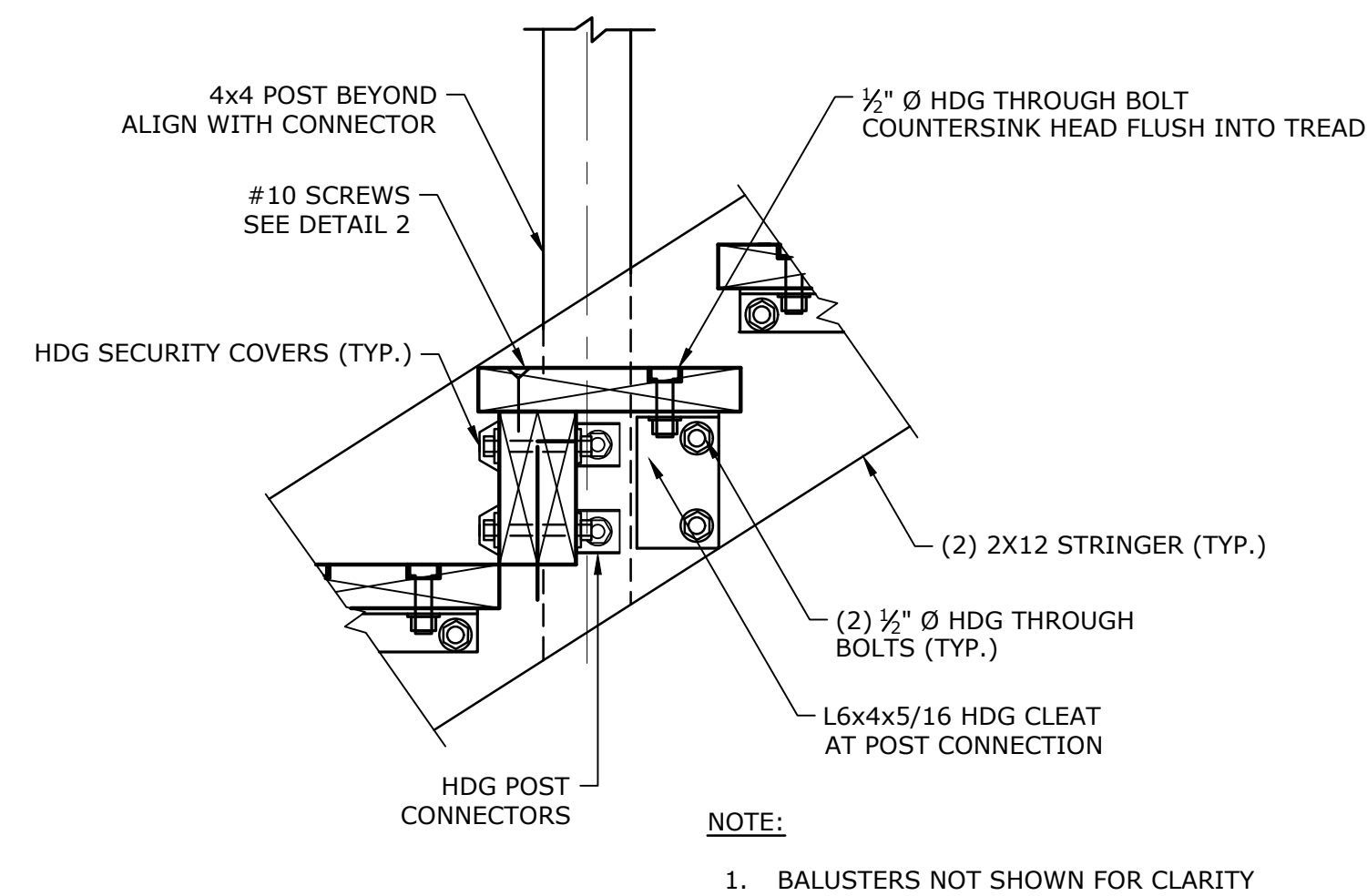
TYPICAL SECTION THROUGH STAIRWAY SECTION 2
NO SCALE



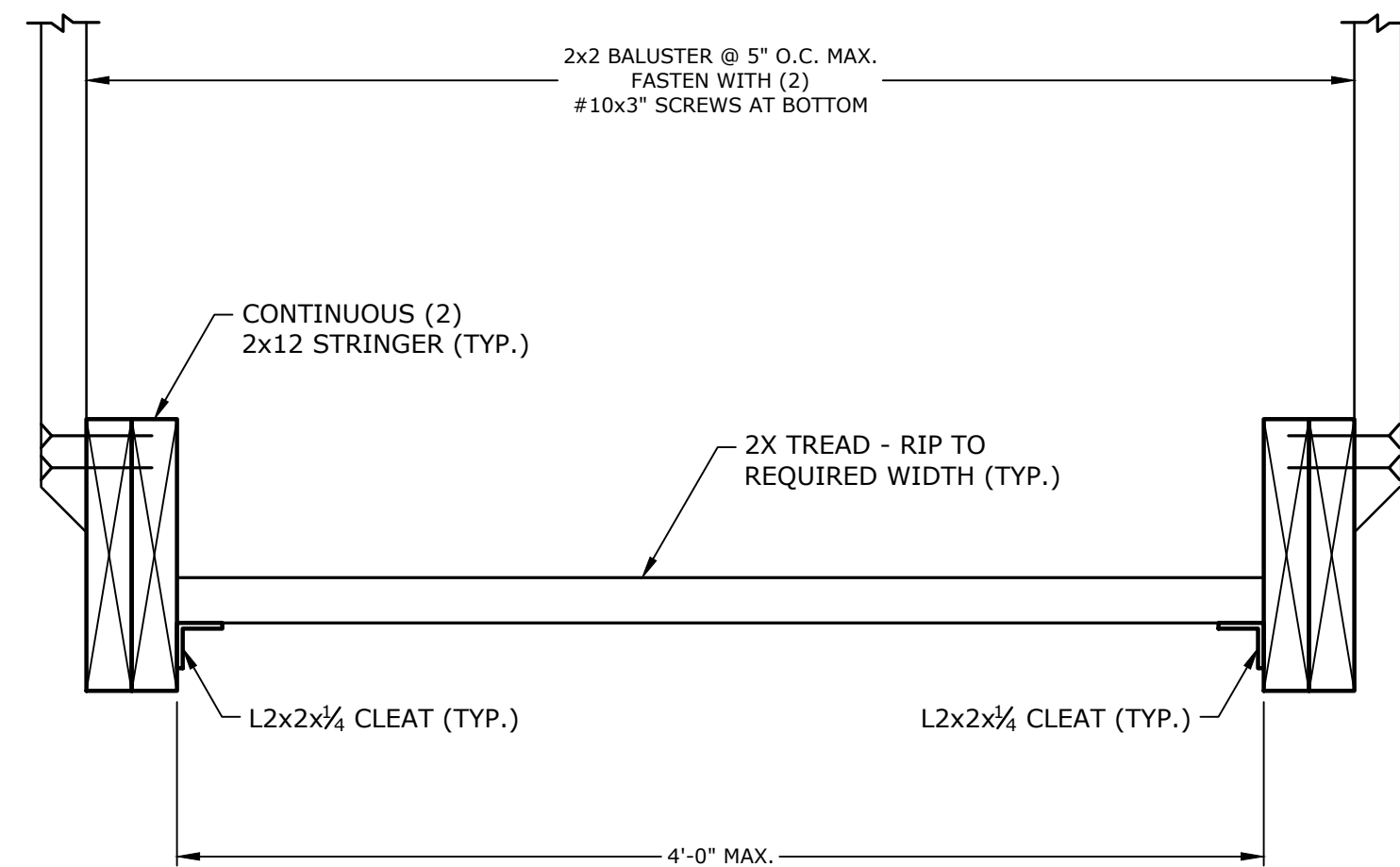
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NO SCALE



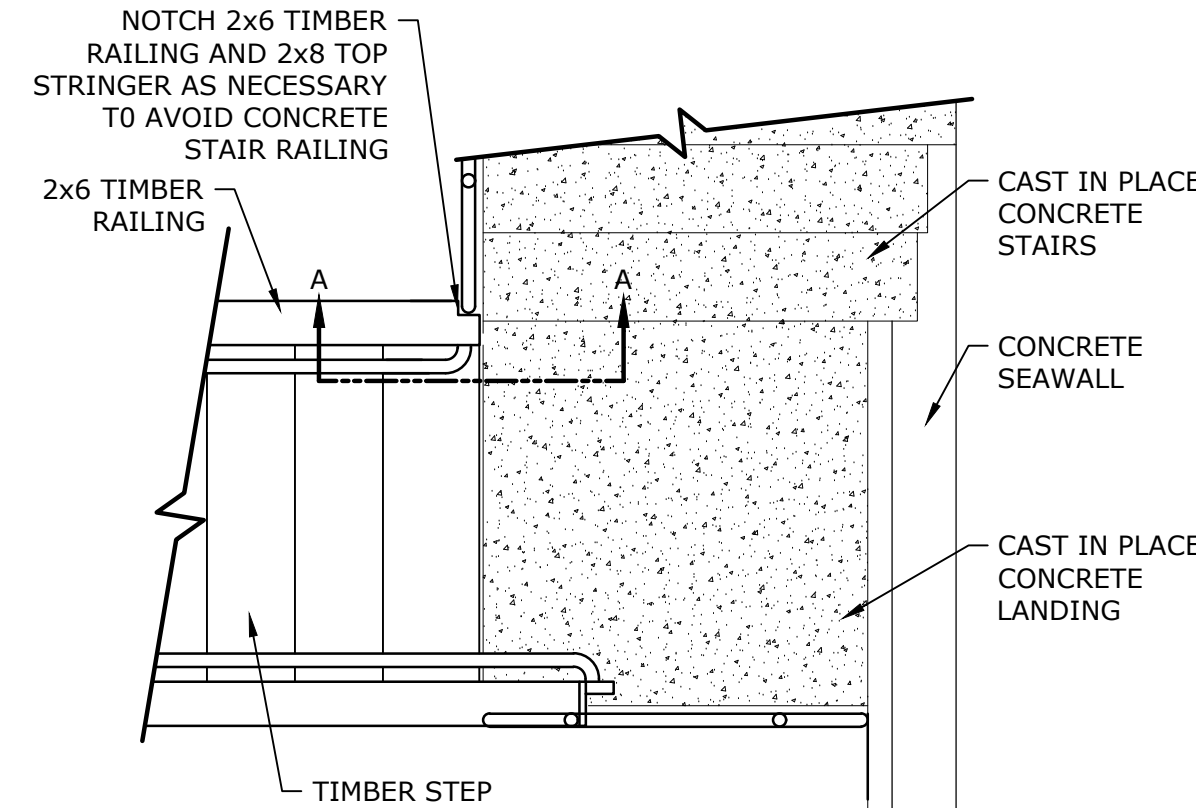
LANDING POST BASE SUPPORT 4
NO SCALE



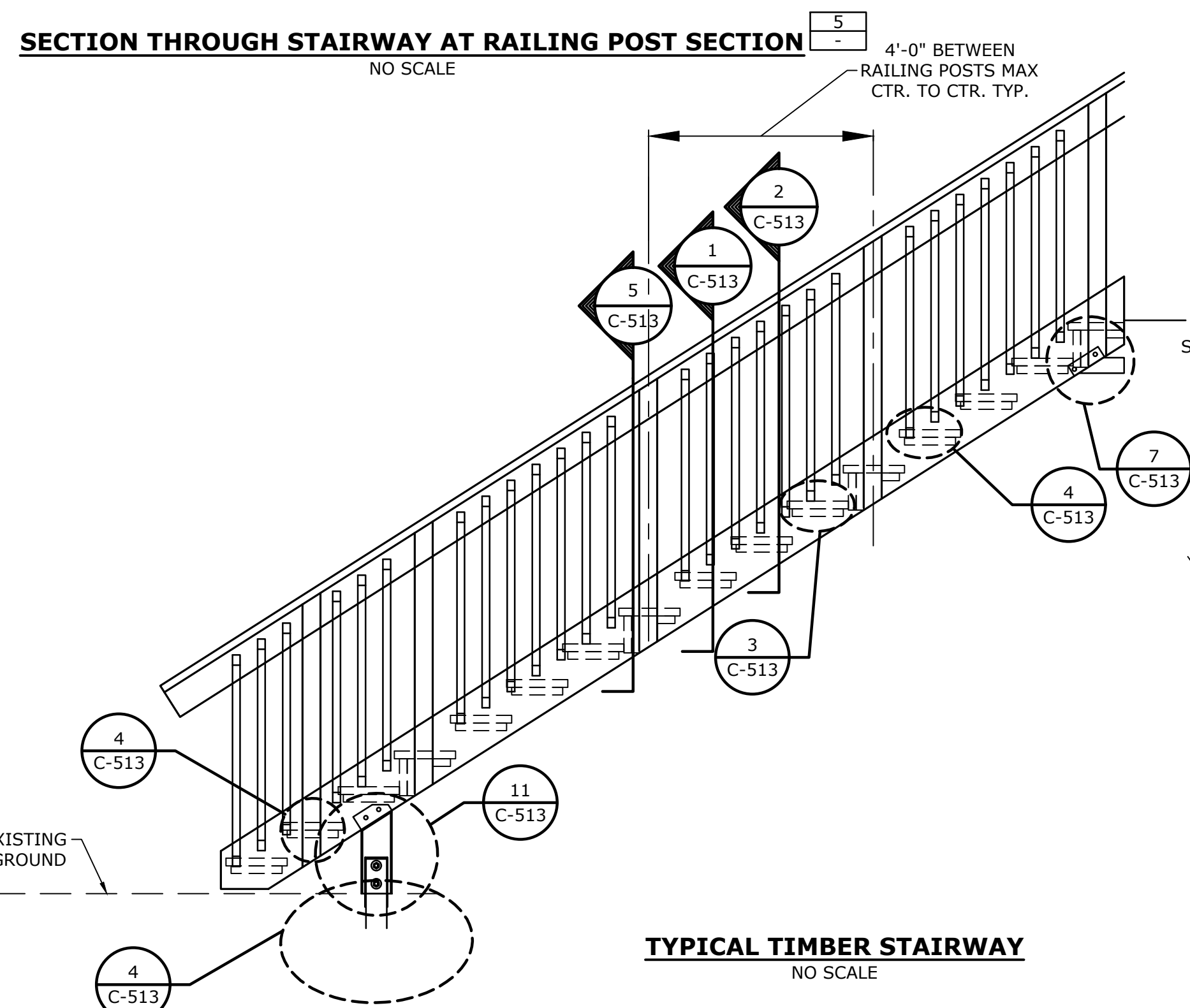
SECTION THROUGH STAIRWAY AT RAILING POST SECTION 5
NO SCALE



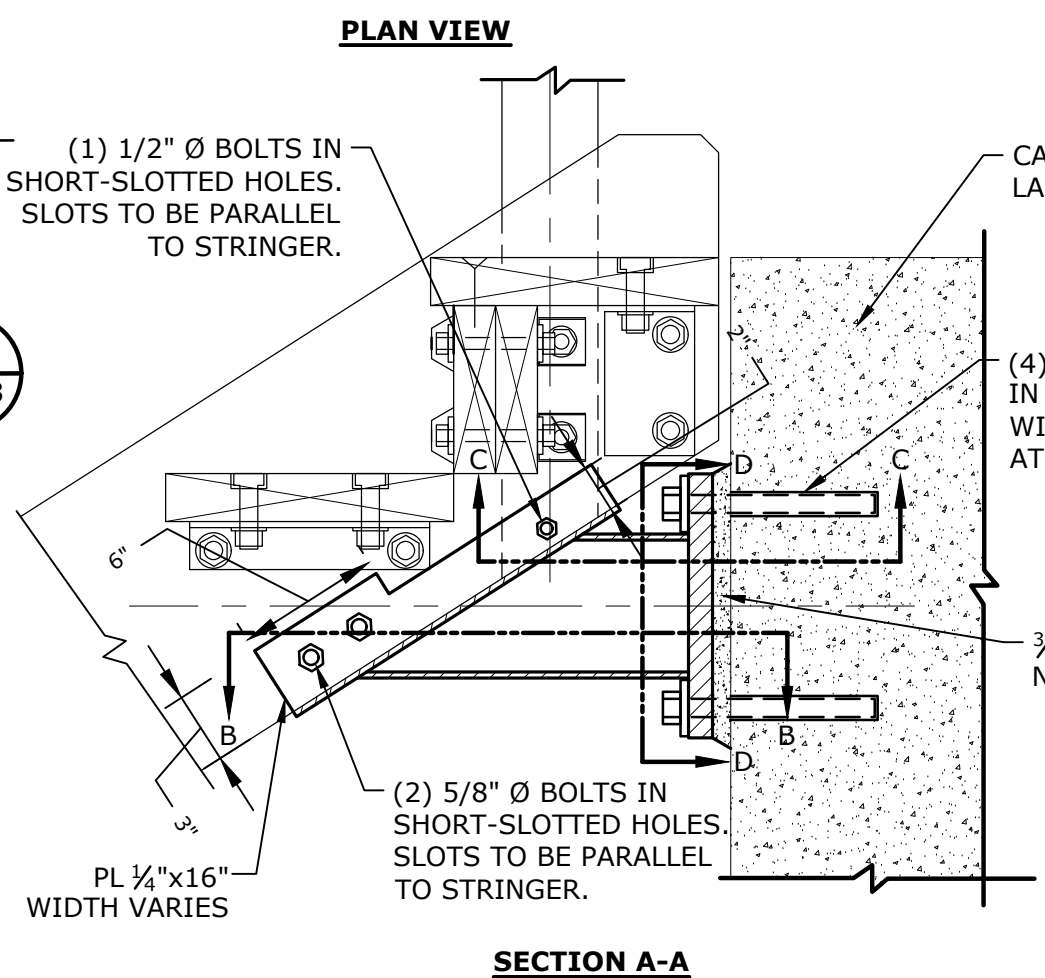
TYPICAL STAIR SECTION 5
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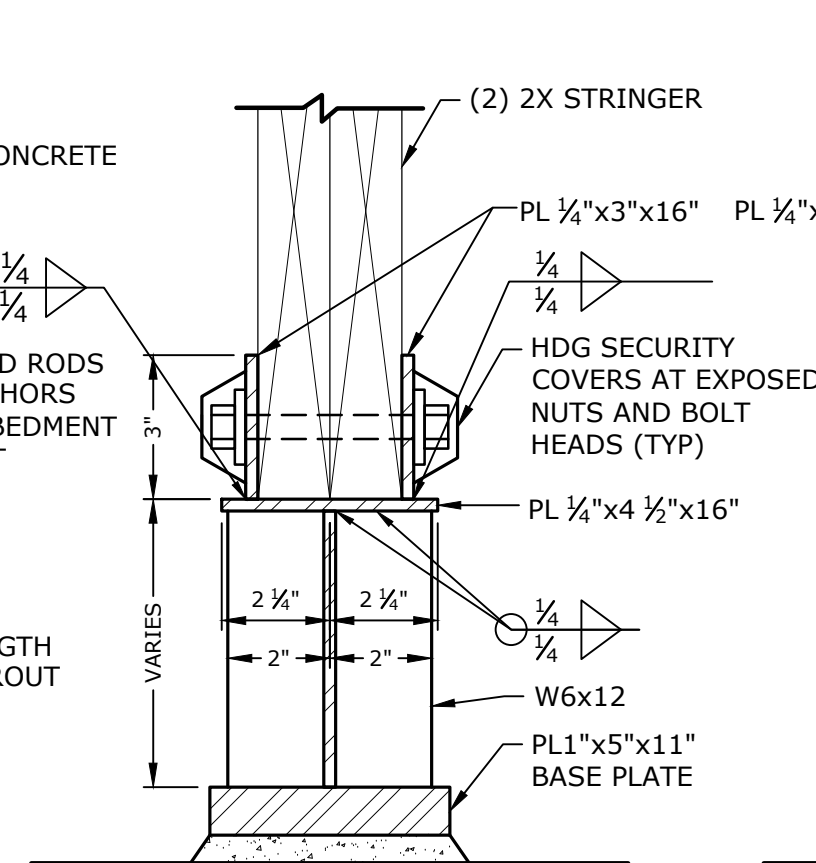
- NOTE:
1. ALL HARDWARE TO BE HDG UNLESS OTHERWISE SPECIFIED.
 2. ALL HANDRAILS TO BE STAINLESS STEEL.



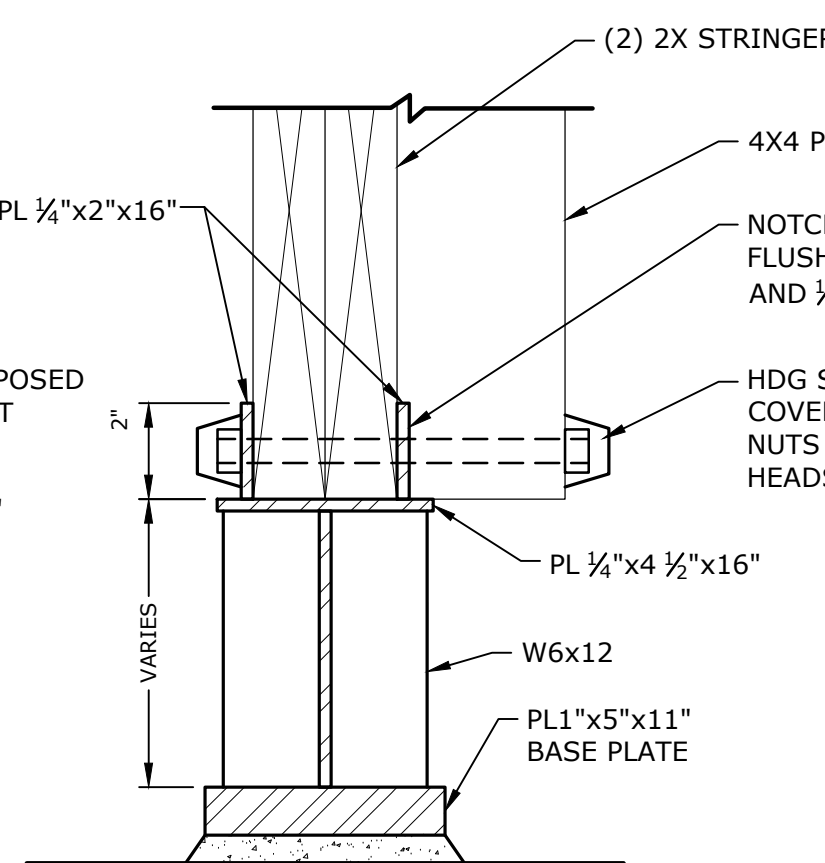
TYPICAL TIMBER STAIRWAY
NO SCALE



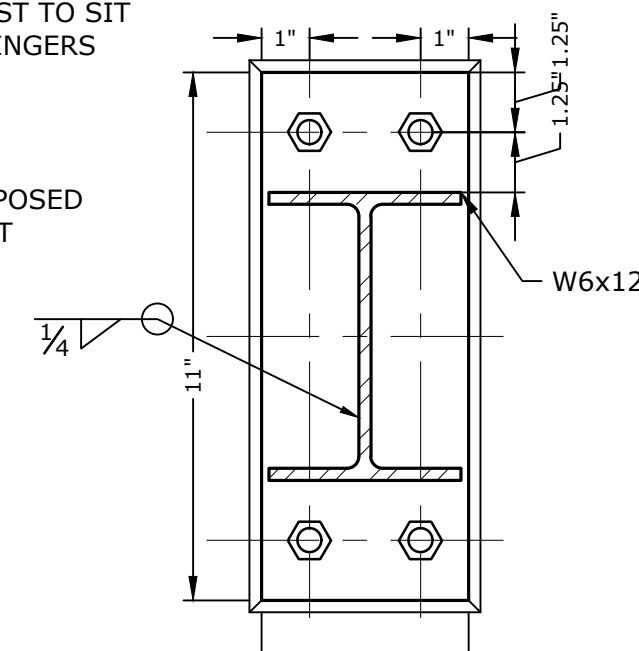
SECTION A-A



SECTION B-B



SECTION C-C



SECTION D-D

TIMBER STRINGER CONNECTION DETAIL AT STAIR INTERSECTOIN 7
NO SCALE

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Weymouth Neck Infrastructure Improvements Project

Town of Weymouth, MA

Weymouth, Massachusetts

MARK	DATE	DESCRIPTION
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DRAWN BY:	TAL/MKF/CJK	
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APPROVED:	FJH	

STAIR DETAILS

SCALE: AS SHOWN

C.512

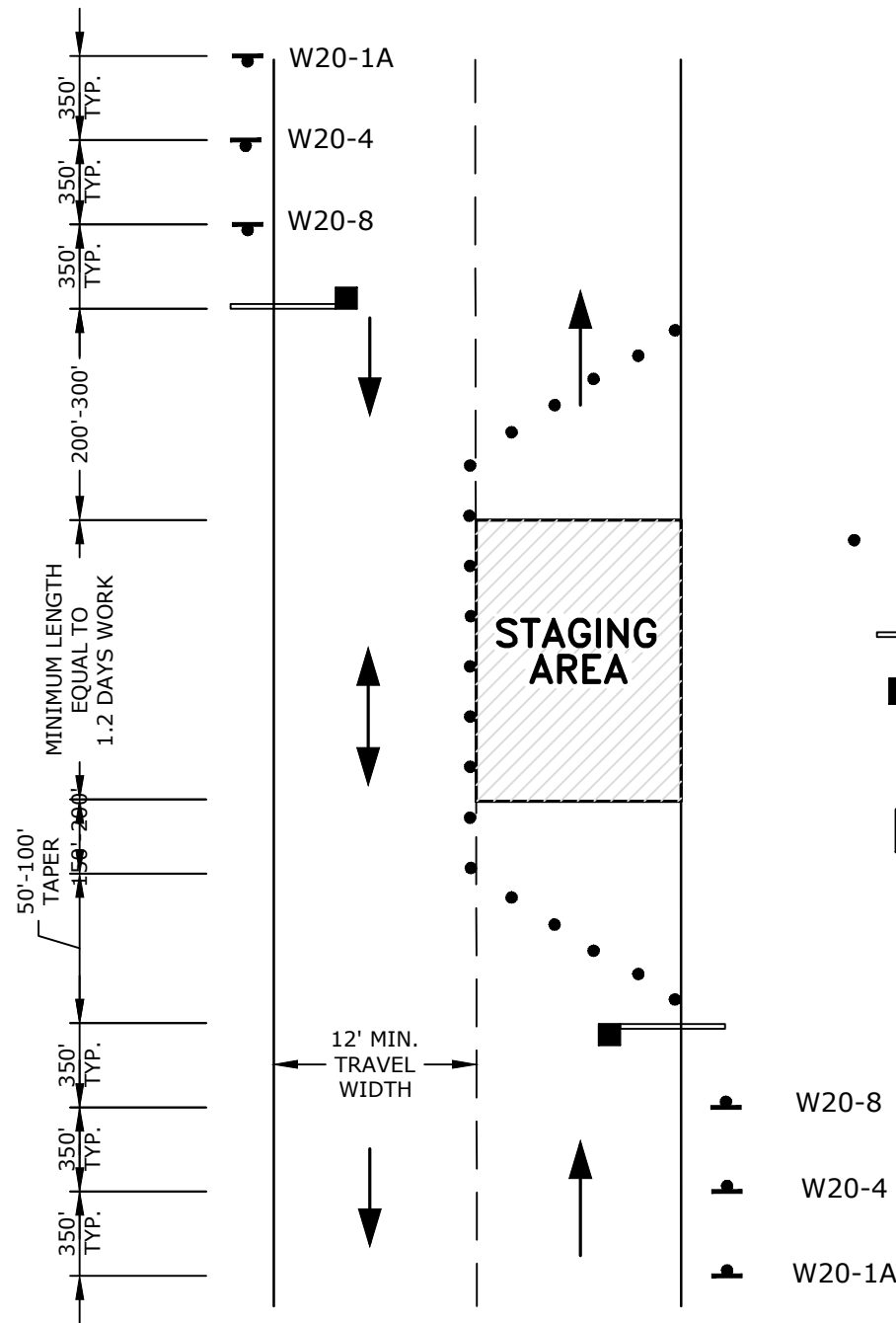
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NOTES

1. FLAGS SHALL BE AT LEAST 16" X 16".
2. DISTANCES ARE A GUIDE AND MAY BE ADJUSTED IN FIELD BY ENGINEER.
3. MAXIMUM SPACING OF CHANNELIZING DEVICES IS EQUAL IN FEET TO SPEED LIMIT.
4. NO TRAFFIC CONTROL DEVICES SHALL REMAIN ON THE ROADWAY AT THE END OF EACH WORK DAY.
5. ALL WARNING SIGNS SHALL BE BLACK LEGEND ON A REFLECTIVE ORANGE BACKGROUND. FLAGS SHALL BE ATTACHED TO ALL ADVANCED WARNING SIGNS.
6. ALL SIGNS AND SUPPORTS SHALL BE INSTALLED IN ACCORDANCE WITH MASS HIGHWAY DEPARTMENT STANDARDS.
7. ALL TRAFFIC CONTROL DEVICES USED SHALL CONFORM TO THE LATEST EDITION OF THE "FHWA MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS" (MUTCD) IN BOTH SPECIFICATION AND APPLICATION.
8. TRAFFIC SIGNS USED DURING WORK HOUR SETUPS SHALL REMAIN IN PLACE ONLY DURING WORK HOURS. TRIPOD MOUNTING IS ACCEPTABLE.
9. REFLECTORIZED CONES SHALL REMAIN IN PLACE DURING CONSTRUCTION ACTIVITIES AND/OR WHEN A ROADSIDE HAZARD EXISTS. ANY REFLECTORIZED CONES REQUIRED TO REMAIN IN PLACE DURING DARKNESS SHALL BE EQUIPPED WITH STEADY BURN (TYPE C) WARNING LIGHT PER MUTCD.
7. ALL DISTANCES SHOWN ARE MINIMUM AND MAY BE ADJUSTED TO MEET FIELD CONDITIONS, WITH APPROVAL OF THE ENGINEER.
8. SIGNS MUST BE COVERED OR REMOVED AT THE END OF EACH WORK DAY, OR WHENEVER BOTH LANES ARE OPEN TO TRAFFIC.
9. DURING ALL CONSTRUCTION ACTIVITIES ON THE ROADWAYS A MINIMUM OF ONE LANE TRAFFIC FLOW SHALL BE MAINTAINED ON ALL CITY STREETS.
10. FULL ROADWAY WIDTH MUST BE RETURNED AT THE END OF EACH WORK DAY.
11. THE NUMBER OF POLICE OFFICERS AT ANY LOCATION IS TO BE DETERMINED BY THE PUBLIC SAFETY OFFICIAL.
12. AS CONSTRUCTION OPERATIONS CHANGE, SO SHALL WARNING SIGNS. CONTRACTOR IS RESPONSIBLE FOR MAINTAINING AND ARRANGING SIGNS AS CONSTRUCTION VARIES AND PROCEEDS.
13. THE CONTRACTOR SHALL NOTIFY EACH ABUTTER IN WRITING AT LEAST 24 HOURS IN ADVANCE OF THE START OF ANY WORK THAT WILL REQUIRE THE TEMPORARY CLOSURE OF ACCESS, SUCH AS EXISTING PAVEMENT EXCAVATION, TEMPORARY DRIVEWAY PAVEMENT PLACEMENT AND SIMILAR OPERATIONS.
14. ADVISORY SPEED PLATES (W13-1) TO BE USED WHERE APPROPRIATE.
15. THE WORK ZONE AS SHOWN ON THESE PLANS IS REPRESENTATIVE ONLY AND MAY VARY IN BOTH LENGTH AND LOCATION AS CONSTRUCTION PROGRESSES. REGARDLESS OF THESE VARIATIONS, THE OFFSET DISTANCES TO THE TRAFFIC CONTROL DEVICES SHOWN SHALL BE MAINTAINED.
16. THE NUMBER AND LOCATION OF ALL SIGNS AND DEVICES SHALL BE AS DEEMED NECESSARY BY THE CITY'S PUBLIC SAFETY OFFICIAL FOR THE SAFE AND EFFICIENT PERFORMANCE OF THE WORK AND THE SAFETY OF THE TRAVELING PUBLIC. ALL WARNING DEVICES SHALL BE SUBJECT TO REMOVAL, REPLACEMENT AND/OR REPOSITIONING BY THE CONTRACTOR AS OFTEN AS DEEMED NECESSARY BY THE CITY'S PUBLIC SAFETY OFFICIAL.
17. NO TRENCH SHALL BE LEFT OPEN OVERNIGHT. IF IT BECOMES NECESSARY FOR SAID TRENCH TO BE LEFT OVERNIGHT, THEN IT SHALL BE COVERED WITH STEEL PLATES AND A COLD PATCH TRANSITION SHALL BE APPLIED AROUND THE STEEL PLATE LIMITS.
18. DETOURS SHALL BE COORDINATED WITH CITY ENGINEERS.
19. ALL OPERATIONS SHALL BE CONDUCTED SO AS NOT TO INTERFERE WITH, INTERRUPT, OR ENDANGER THE GENERAL PUBLIC OR THE TRAFFIC FLOW.
20. NO CONSTRUCTION EQUIPMENT OR MATERIALS (EXCEPT THOSE IN USE) SHALL BE STORED CLOSER THAN 8 FEET TO THE EDGE OF TRAVELED LANES.
21. SEE SPECIFICATION SECTION 01550

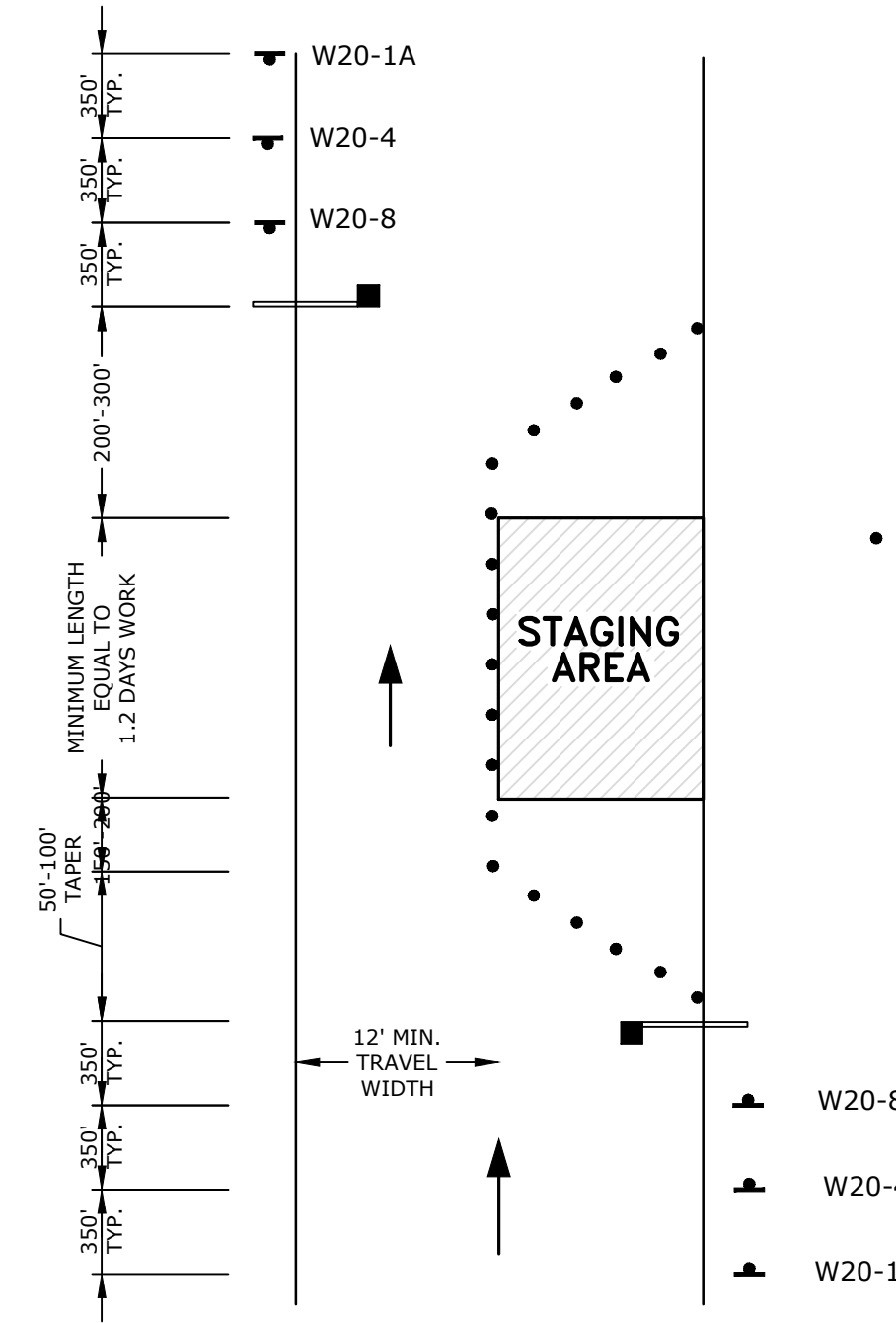
IDENTIFICATION NUMBER	SIZE OF SIGN (IN)		TEXT	AREA IN SQ. FT.
	WIDTH	HEIGHT		
W20-1A	36	36	ROAD CLOSED AHEAD	9
R11-2	60	30	ROAD CLOSED AHEAD LOCAL TRAFFIC ONLY	12.5
W20-8	36	36	POLICE OFFICER AHEAD	9
R9-9	36	18	SIDEWALK CLOSED	4.5
W13-1	24	24	XX MPH (SPEED DETERMINED BY CITY ENGINEER)	4

SIGN LEGEND
NO SCALE



TYPICAL LAYOUT

TWO LAND ROADWAY WITH ONE LAND CLOSED
NO SCALE



TYPICAL LAYOUT

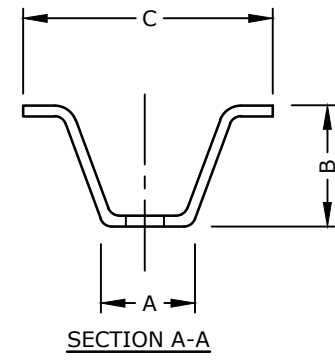
ONE LANE ROADWAY WITH ONE LANE CLOSED
NO SCALE

LEGEND

- • • • • TRAFFIC CONES (CHANNELING DEVICE)
- ■ ■ ■ ■ TRAFFIC OFFICER
- ■ ■ ■ ■ BARRICADE
- ▲ ▲ ▲ ▲ ▲ SIGN
- ▨ ▨ ▨ ▨ ▨ WORK AREA
- → → → → TRAFFIC FLOW



R8-3
24"X30"
RED ON
WHITE



NOTES:

1. STEEL FOR POSTS SHALL CONFORM TO THE MECHANICAL REQUIREMENTS OF ASTM A 499-81 GRADE 60 AND TO THE CHEMICAL REQUIREMENTS OF ASTM A1-76 CARBON STEEL TEE RAIL HAVING NOMINAL WEIGHT OF 91 LBS. OR GREATER PER LINEAR YARD.
2. AFTER FABRICATION, ALL STEEL POSTS SHALL BE GALVANIZED TO MEET THE REQUIREMENTS OF ASTM A 123.
3. ALL SIGN POSTS SHALL HAVE "BREAKAWAY" FEATURES THAT MEET AASHTO REQUIREMENTS CONTAINED IN "STANDARD SPECIFICATIONS FOR STRUCTURAL SUPPORTS FOR HIGHWAY SIGNS, LUMINAIRES AND TRAFFIC SIGNALS-1985." THE "BREAKAWAY" FEATURES SHALL BE STRUCTURALLY ADEQUATE TO CARRY THE SIGNS SHOWN IN THE PLANS AT 60 MPH WIND LOADINGS. INSTALLATIONS SHALL BE IN ACCORDANCE WITH MANUFACTURERS RECOMMENDATIONS.
4. TYPE A POSTS - 3 LB/FT TYPE B POSTS - 4 LB/FT.
5. ALL SIGNS TO BE CONSTRUCTED PER THE LATEST EDITION OF THE FHWA STANDARD HIGHWAY SIGNS MANUAL AND INSTALLED AS INDICATED IN THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, LATEST EDITION.
6. MEET REQUIREMENTS OF SECTION 615 SIGNS OF NHDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, 2010 EDITION, AS AMENDED.

* IN LEDGE DRILL & GROUT TO A MIN OF 2'

SIGN POST TO COMPLY WITH ALL ASPECTS OF NHDOT SECTION 615.

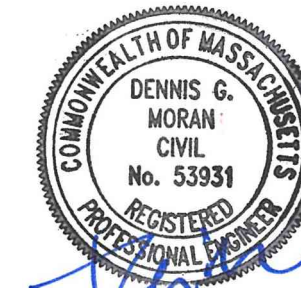
LENGTH: AS REQUIRED
WEIGHT PER LINEAR FOOT: 2.50 LBS (MIN.)
HOLES: 3/8" DIAMETER, 1" C-C FULL LENGTH
STEEL: SHALL CONFORM TO ASTM A-499 (GRADE 60) OR ASSTM A-576 (GRADE 1070 - 1080)
FINISH: SHALL BE GALVANIZED IN ACCORDANCE WITH AASHTO M111.

WT.	A	B	C
3 LBS	1 8/16" OR 1 15/16"	1 3/4" OR 1 7/8"	3 1/4"
4 LBS	1 8/16"	1 3/4"	3 1/4"

OUTFALL PIPE DETAILS
NO SCALE



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Weymouth Neck
Infrastructure Improvements
Project

Town of
Weymouth, MA

Weymouth,
Massachusetts

MARK	DATE	DESCRIPTION

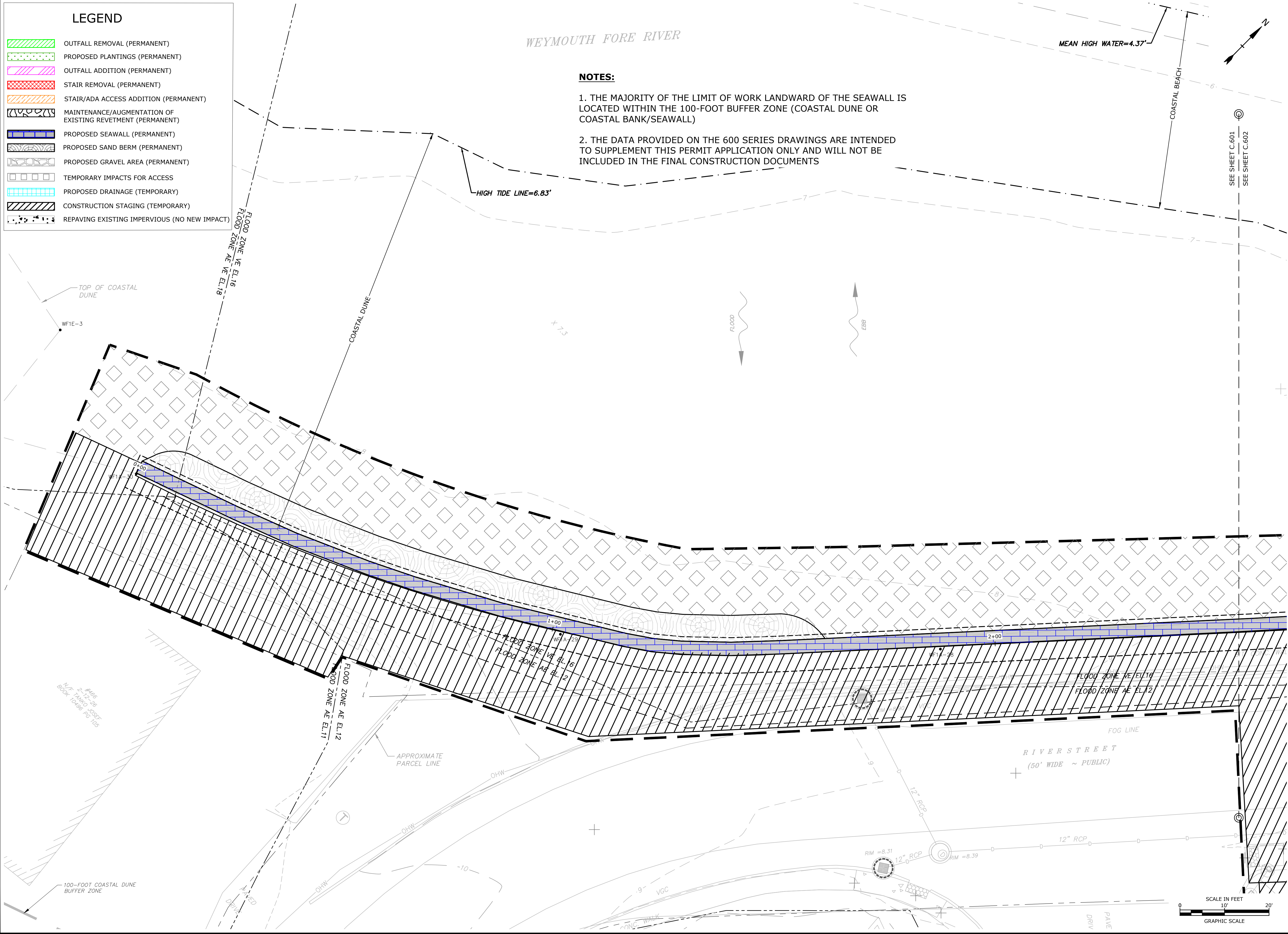
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CHECKED:	DGM
APPROVED:	FJH

TRAFFIC MANAGEMENT
PLAN

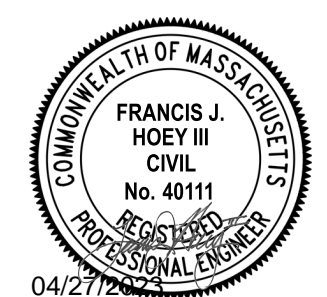
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Tighe&Bond



**SUPPLEMENTAL
PERMIT DATA**
NOT FOR CONSTRUCTION

**Weymouth
Neck
Infrastructure
Improvements
Project**

**Town of
Weymouth, MA**

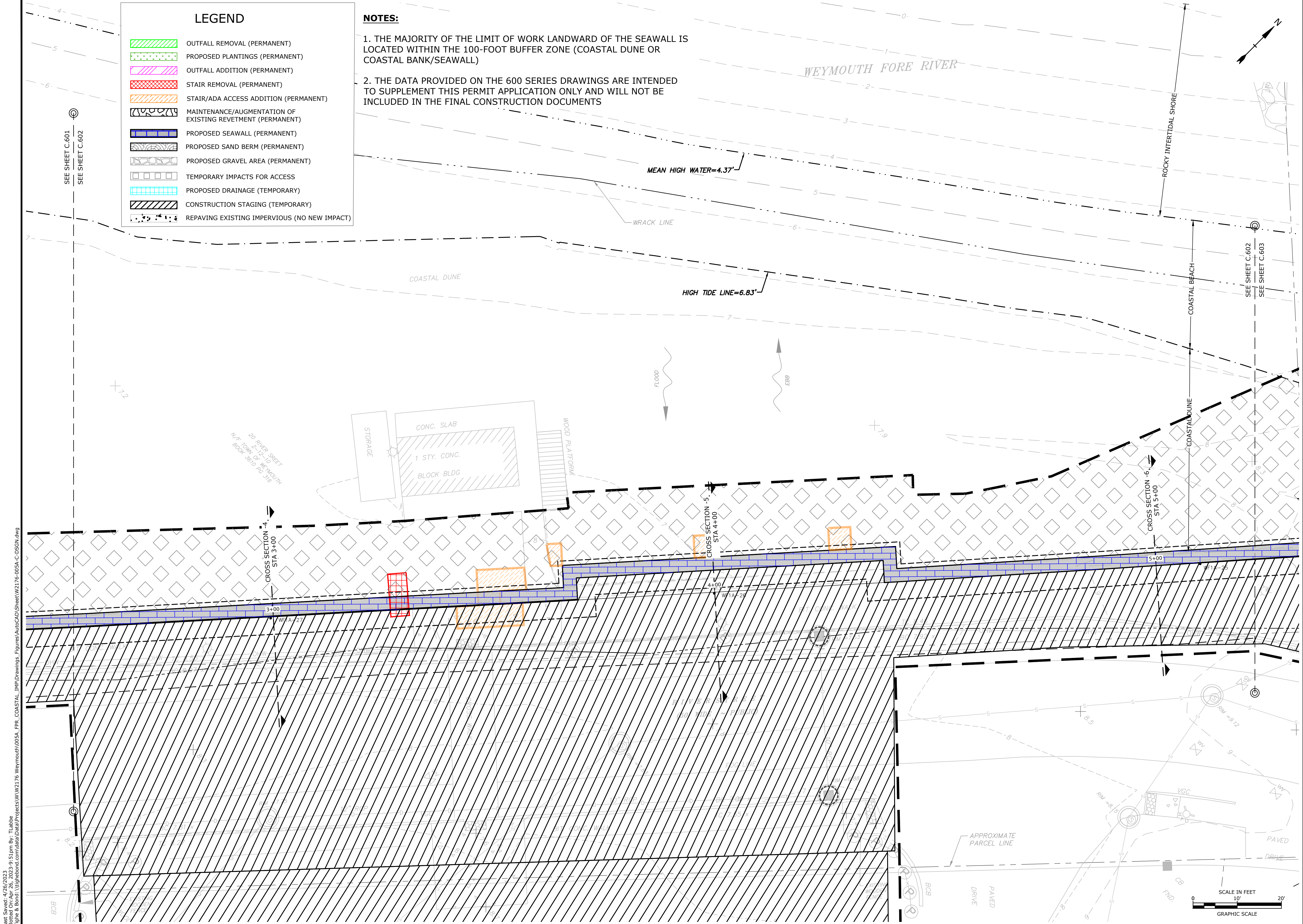
**Weymouth,
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APPROVED:	FJH	

**RESOURCE AREA
IMPACT PLANS**

SCALE: AS SHOWN

C.601



LEGEND

OUTFALL REMOVAL (PERMANENT)

PROPOSED PLANTINGS (PERMANENT)

- NOTES:
1. THE MAJORITY OF THE LIMIT OF WORK LANDWARD OF THE SEAWALL IS LOCATED WITHIN THE 100-FOOT BUFFER ZONE (COASTAL DUNE OR COASTAL BANK/SEAWALL)
2. THE DATA PROVIDED ON THE 600 SERIES DRAWINGS ARE INTENDED TO SUPPLEMENT THIS PERMIT APPLICATION ONLY AND WILL NOT BE INCLUDED IN THE FINAL CONSTRUCTION DOCUMENTS

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SUPPLEMENTAL
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Weymouth,
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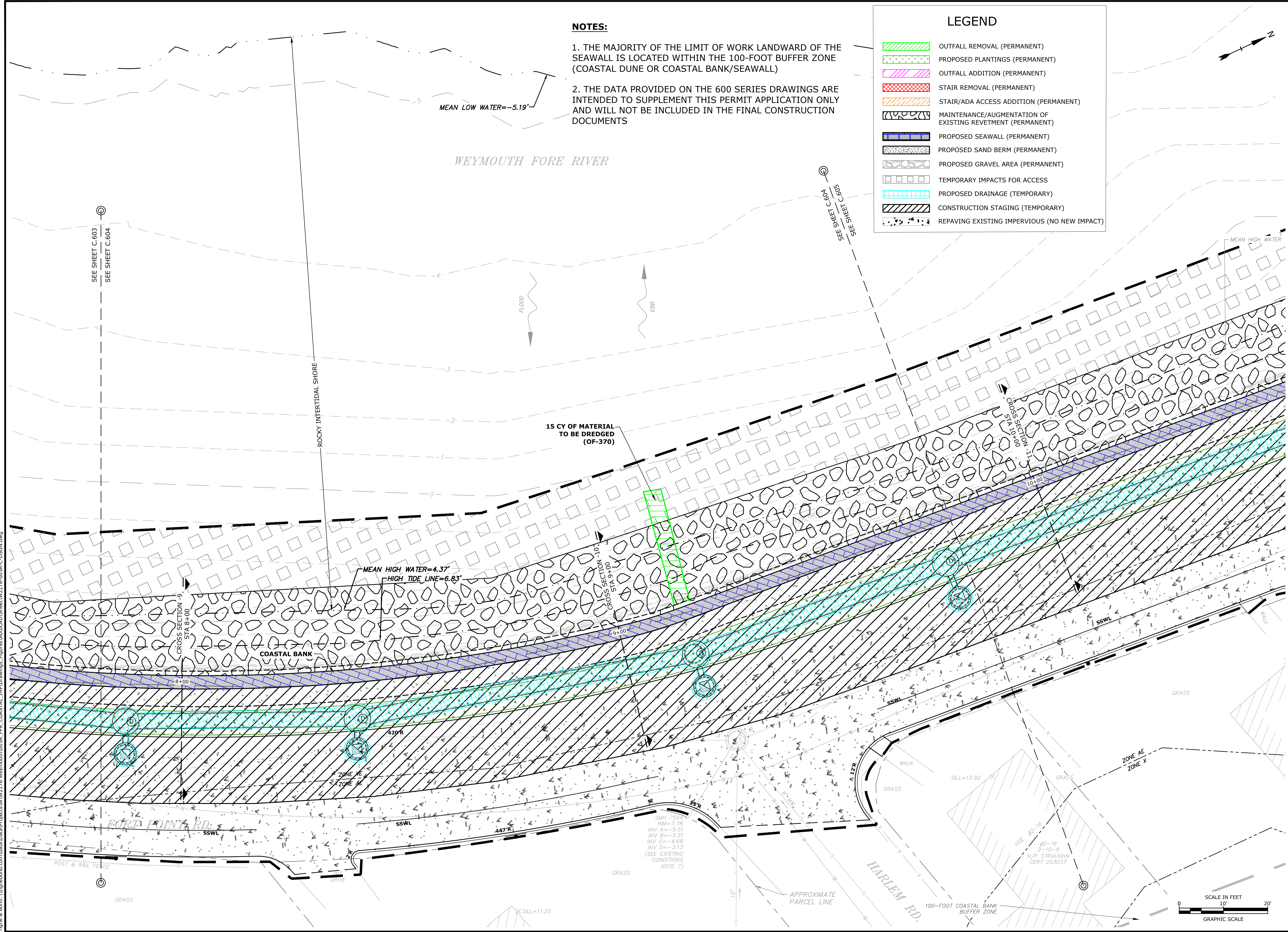
RESOURCE AREA
IMPACT PLANS

SCALE: AS SHOWN

C.602

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NOTES:

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LEGEND

- OUTFALL REMOVAL (PERMANENT)
- PROPOSED PLANTINGS (PERMANENT)
- OUTFALL ADDITION (PERMANENT)
- STAIR REMOVAL (PERMANENT)
- STAIR/ADA ACCESS ADDITION (PERMANENT)
- MAINTENANCE/AUGMENTATION OF EXISTING REVETMENT (PERMANENT)
- PROPOSED SEAWALL (PERMANENT)
- PROPOSED SAND BERM (PERMANENT)
- PROPOSED GRAVEL AREA (PERMANENT)
- TEMPORARY IMPACTS FOR ACCESS
- PROPOSED DRAINAGE (TEMPORARY)
- CONSTRUCTION STAGING (TEMPORARY)
- REPAVING EXISTING IMPERVIOUS (NO NEW IMPACT)

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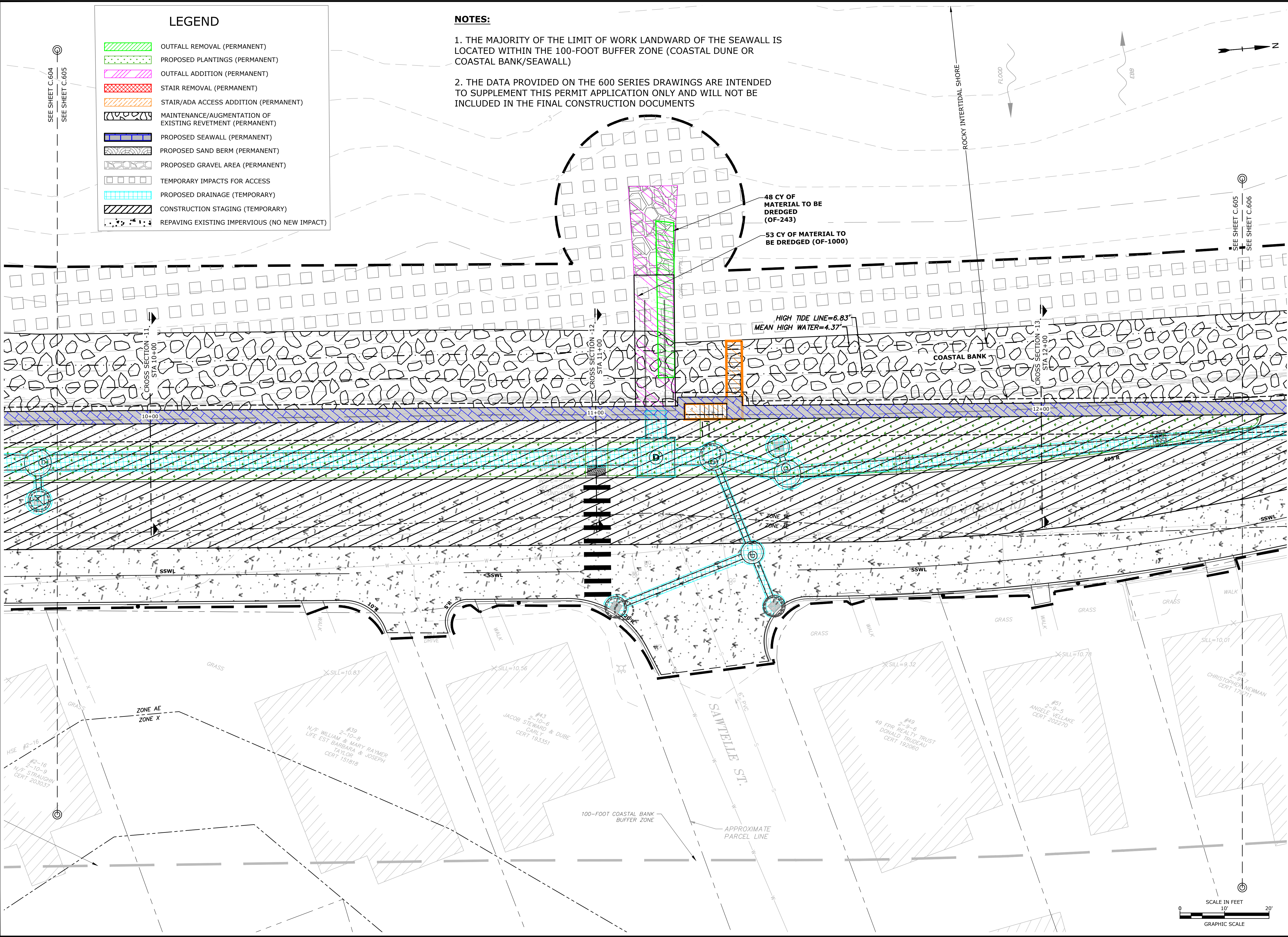
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APPROVED:	FJH	

**RESOURCE AREA
IMPACT PLANS**

SCALE: AS SHOWN

C.604

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LEGEND

- OUTFALL REMOVAL (PERMANENT)
- PROPOSED PLANTINGS (PERMANENT)
- OUTFALL ADDITION (PERMANENT)
- STAIR REMOVAL (PERMANENT)
- STAIR/ADA ACCESS ADDITION (PERMANENT)
- MAINTENANCE/AUGMENTATION OF EXISTING REVETMENT (PERMANENT)
- PROPOSED SEAWALL (PERMANENT)
- PROPOSED SAND BERM (PERMANENT)
- PROPOSED GRAVEL AREA (PERMANENT)
- TEMPORARY IMPACTS FOR ACCESS
- PROPOSED DRAINAGE (TEMPORARY)
- CONSTRUCTION STAGING (TEMPORARY)
- REPAVING EXISTING IMPERVIOUS (NO NEW IMPACT)

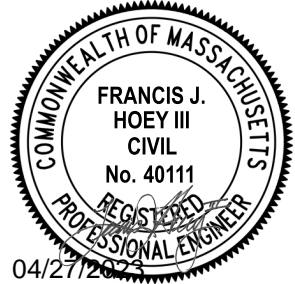
- NOTES:**
1. THE MAJORITY OF THE LIMIT OF WORK LANDWARD OF THE SEAWALL IS LOCATED WITHIN THE 100-FOOT BUFFER ZONE (COASTAL DUNE OR COASTAL BANK/SEAWALL)
 2. THE DATA PROVIDED ON THE 600 SERIES DRAWINGS ARE INTENDED TO SUPPLEMENT THIS PERMIT APPLICATION ONLY AND WILL NOT BE INCLUDED IN THE FINAL CONSTRUCTION DOCUMENTS

48 CY OF MATERIAL TO BE DREDGED (OF-243)
53 CY OF MATERIAL TO BE DREDGED (OF-1000)

HIGH TIDE LINE=6.83'
MEAN HIGH WATER=4.37'

COASTAL BANK

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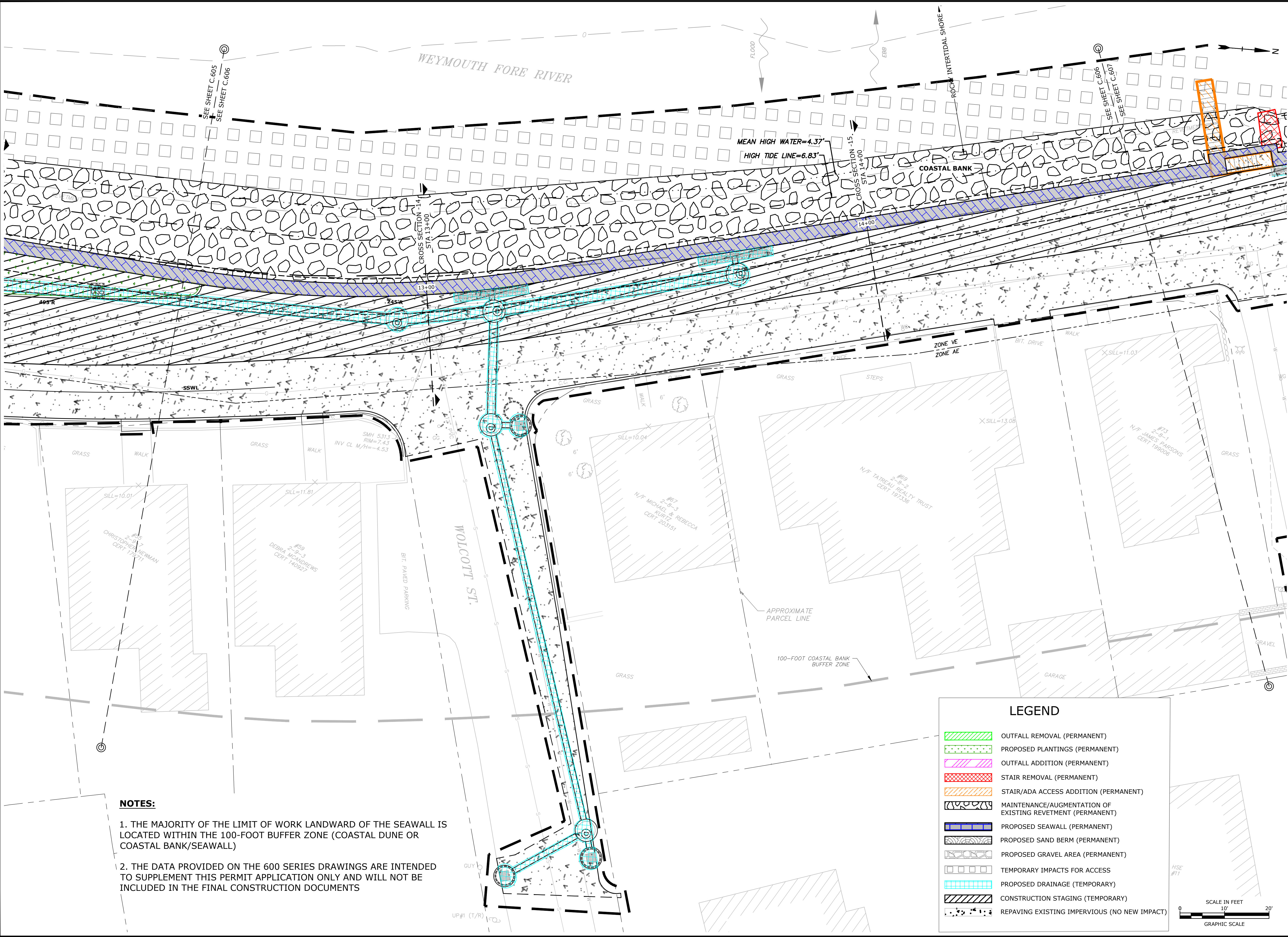
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**RESOURCE AREA
IMPACT PLANS**

SCALE: AS SHOWN

C.605

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NOTES:

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- PROPOSED PLANTINGS (PERMANENT)
- OUTFALL ADDITION (PERMANENT)
- STAIR REMOVAL (PERMANENT)
- STAIR/ADA ACCESS ADDITION (PERMANENT)
- MAINTENANCE/AUGMENTATION OF EXISTING REVETMENT (PERMANENT)
- PROPOSED SEAWALL (PERMANENT)
- PROPOSED SAND BERM (PERMANENT)
- PROPOSED GRAVEL AREA (PERMANENT)
- TEMPORARY IMPACTS FOR ACCESS
- PROPOSED DRAINAGE (TEMPORARY)
- CONSTRUCTION STAGING (TEMPORARY)
- REPAVING EXISTING IMPERVIOUS (NO NEW IMPACT)

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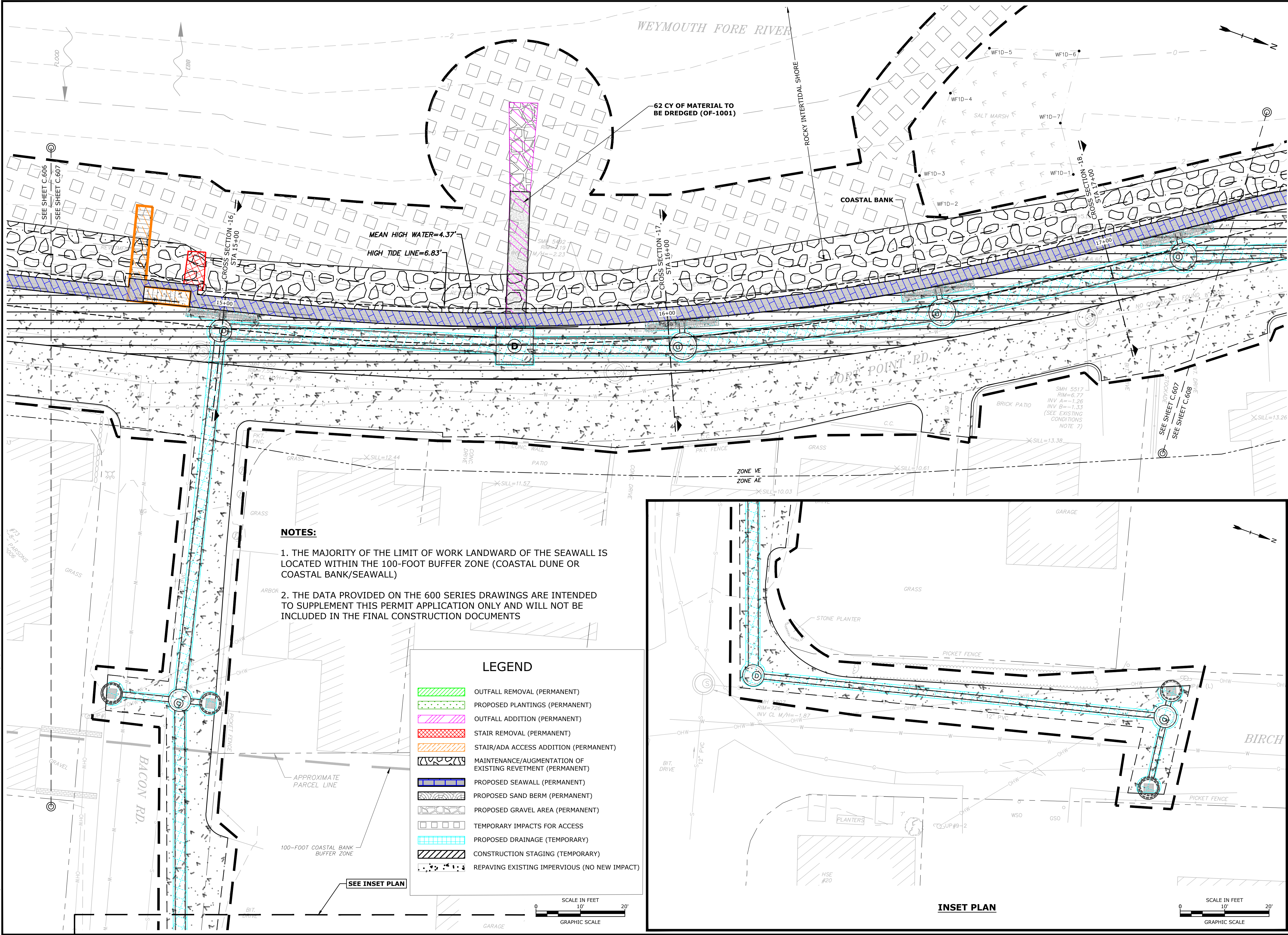
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DRAWN BY:	TAL/MKF/CJK	
CHECKED:	DGM	
APPROVED:	FJH	

RESOURCE AREA
IMPACT PLANS

SCALE: AS SHOWN

C.606

Last Saved: 4/26/2023 4:53pm By: Tlabbe
Printed On: Apr 26, 2023 4:53pm
Figure & Bond: Weymouth 005A-FR-Coastal-IMP Drawings Figures/AutoCAD/Sheet/W2176-005A-C-DSGN.dwg



Tighe&Bond



**SUPPLEMENTAL
PERMIT DATA**
NOT FOR CONSTRUCTION

Weymouth Neck Infrastructure Improvements Project

Town of
Weymouth, MA

Weymouth,
Massachusetts

MARK	DATE	DESCRIPTION
PROJECT NO:	W2176-005A	
DATE:	January 3, 2023	
FILE:	W2176-005A-C-DSGN.dwg	
DRAWN BY:	TAL/MKF/CJK	
CHECKED:	DGM	
APPROVED:	FJH	

RESOURCE AREA IMPACT PLANS

SCALE: AS SHOWN








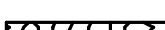




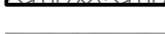
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04/27/2023



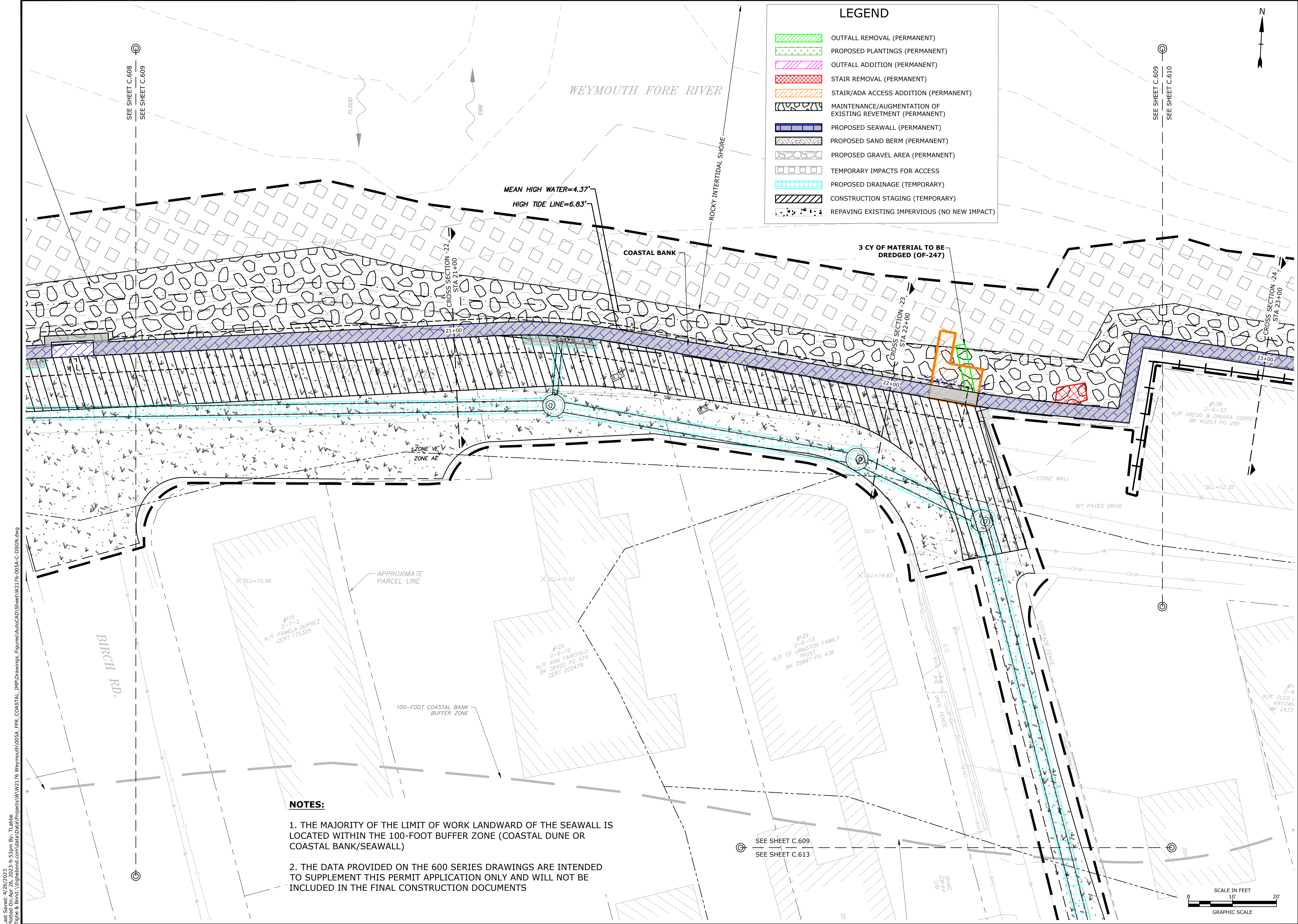
Town of
Weymouth, MA

Weymouth,
Massachusetts

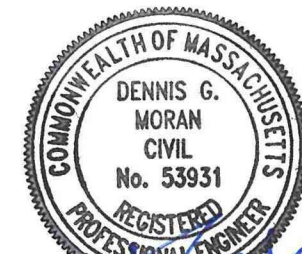
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	PROPOSED PLANTINGS (PERMANENT)
	OUTFALL ADDITION (PERMANENT)
	STAIR REMOVAL (PERMANENT)
	STAIR/ADA ACCESS ADDITION (PERMANENT)
	MAINTENANCE/AUGMENTATION OF EXISTING REVETMENT (PERMANENT)
	PROPOSED SEAWALL (PERMANENT)
	PROPOSED SAND BERM (PERMANENT)
	PROPOSED GRAVEL AREA (PERMANENT)
	TEMPORARY IMPACTS FOR ACCESS
	PROPOSED DRAINAGE (TEMPORARY)
	CONSTRUCTION STAGING (TEMPORARY)
	REPAVING EXISTING IMPERVIOUS (NO NEW IMPACT)

1. THE MAJORITY OF THE LIMIT OF WORK LANDWARD OF THE SEAWALL IS LOCATED WITHIN THE 100-FOOT BUFFER ZONE (COASTAL DUNE OR COASTAL BANK/SEAWALL)
2. THE DATA PROVIDED ON THE 600 SERIES DRAWINGS ARE INTENDED TO SUPPLEMENT THIS PERMIT APPLICATION ONLY AND WILL NOT BE INCLUDED IN THE FINAL CONSTRUCTION DOCUMENTS





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Weymouth Neck Infrastructure Improvements Project

Town of
Weymouth, MA

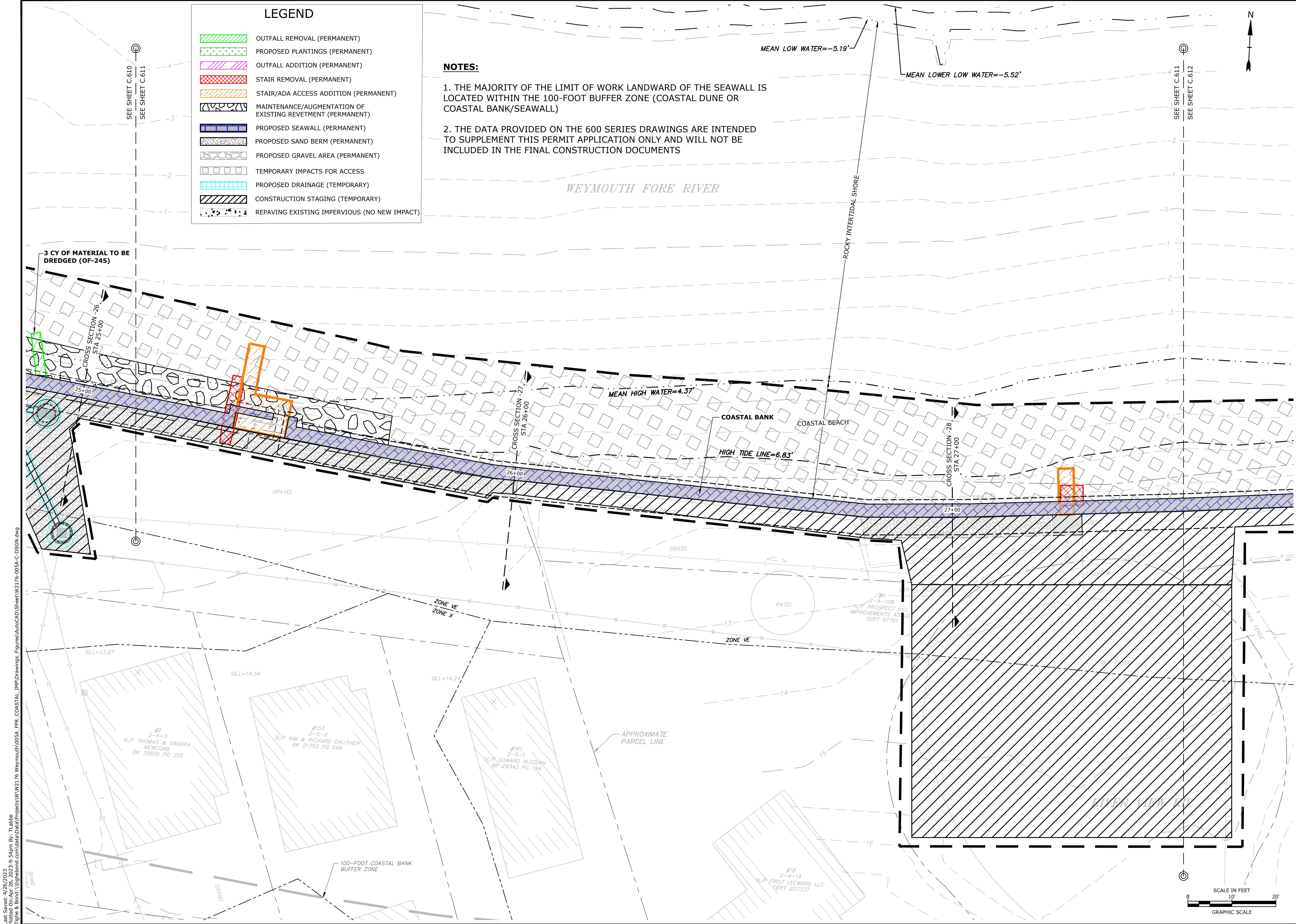
Weymouth,
Massachusetts

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PROJECT NO:	W2176-005A	
DATE:	January 3, 2023	
FILE:	W2176-005A-C-DSGN.dwg	
DRAWN BY:	TAL/MKF/CJK	
CHECKED:	DGM	
APPROVED:	FJH	

RESOURCE AREA IMPACT PLANS

SCALE: AS SHOWN

C.609

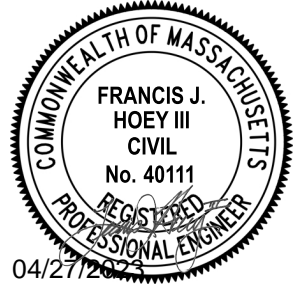


LEGEND

- OUTFALL REMOVAL (PERMANENT)
- PROPOSED PLANTINGS (PERMANENT)
- OUTFALL ADDITION (PERMANENT)
- STAIR REMOVAL (PERMANENT)
- STAIR/ADA ACCESS ADDITION (PERMANENT)
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- PROPOSED GRAVEL AREA (PERMANENT)
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- CONSTRUCTION STAGING (TEMPORARY)
- REPAVING EXISTING IMPERVIOUS (NO NEW IMPACT)

- NOTES:**
1. THE MAJORITY OF THE LIMIT OF WORK LANDWARD OF THE SEAWALL IS LOCATED WITHIN THE 100-FOOT BUFFER ZONE (COASTAL DUNE OR COASTAL BANK/SEAWALL)
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**Weymouth
Neck
Infrastructure
Improvements
Project**

Town of
Weymouth, MA

Weymouth,
Massachusetts

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DATE:	January 3, 2023	
FILE:	W2176-005A-C-DSGN.dwg	
DRAWN BY:	TAL/MKF/CJK	
CHECKED:	DGM	
APPROVED:	FJH	

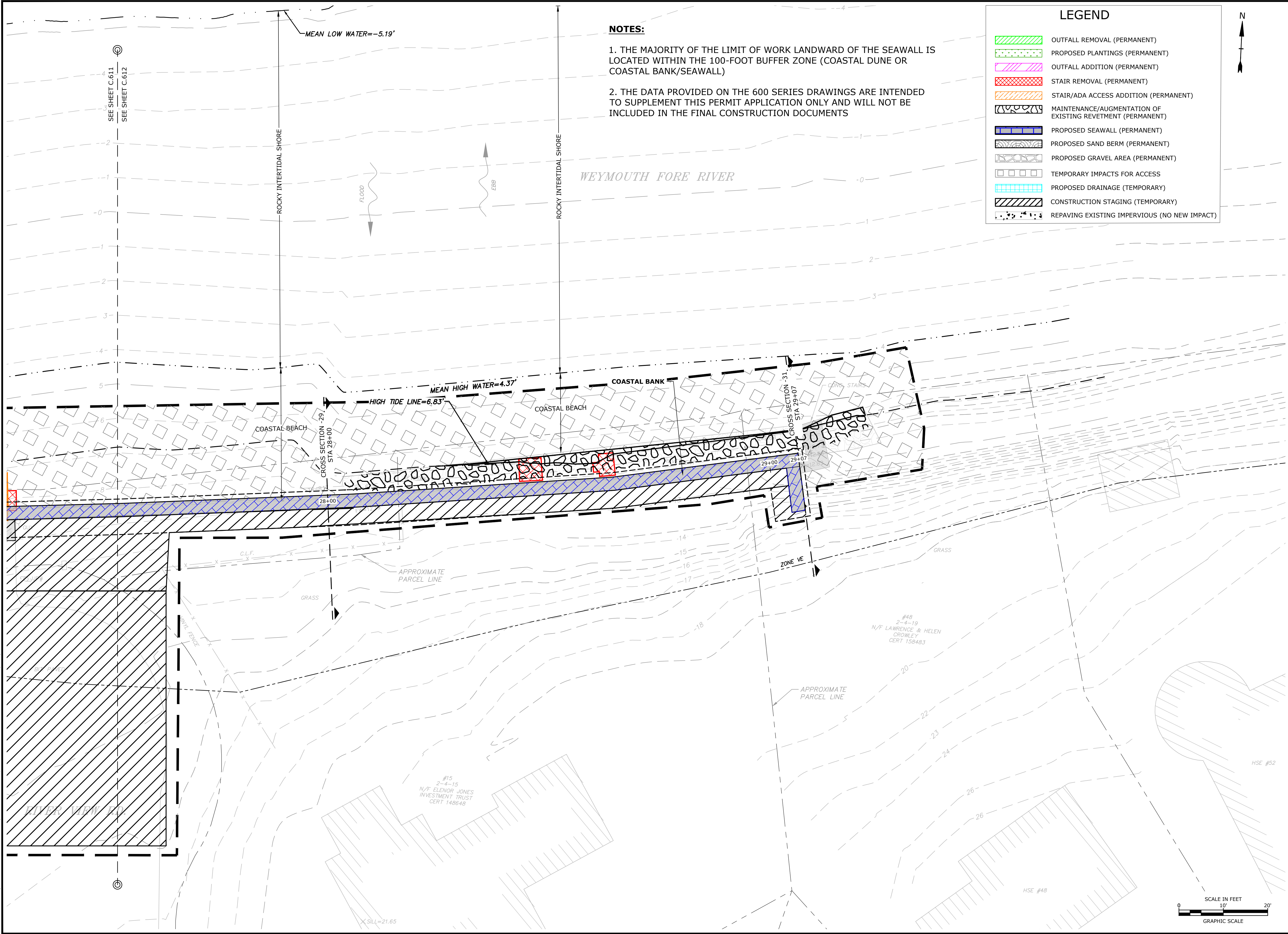
**RESOURCE AREA
IMPACT PLANS**

SCALE: AS SHOWN

C.611

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Printed On: Apr 26, 2023 9:54pm
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Last Saved: 4/27/2023
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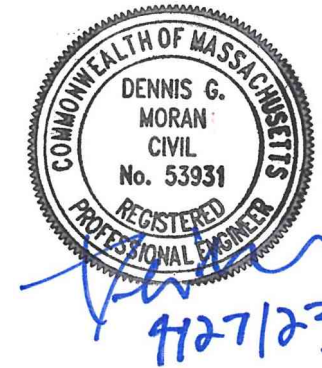
1. THE MAJORITY OF THE LIMIT OF WORK LANDWARD OF THE SEAWALL IS LOCATED WITHIN THE 100-FOOT BUFFER ZONE (COASTAL DUNE OR COASTAL BANK/SEAWALL)
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LEGEND

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- PROPOSED DRAINAGE (TEMPORARY)
- CONSTRUCTION STAGING (TEMPORARY)
- REPAVING EXISTING IMPERVIOUS (NO NEW IMPACT)



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**SUPPLEMENTAL
PERMIT DATA**
NOT FOR CONSTRUCTION

**Weymouth
Neck
Infrastructure
Improvements
Project**

Town of
Weymouth, MA

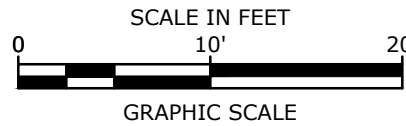
Weymouth,
Massachusetts

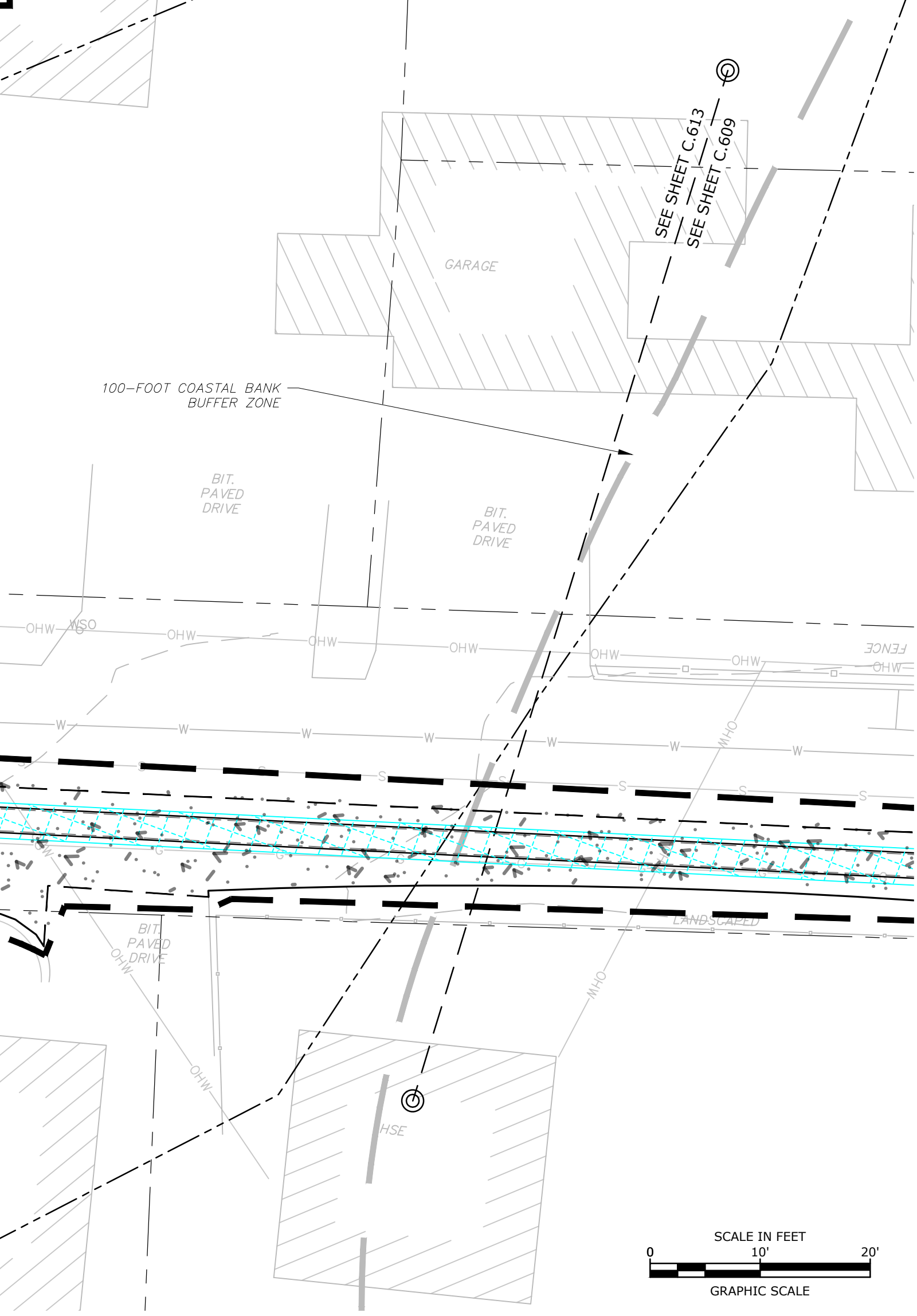
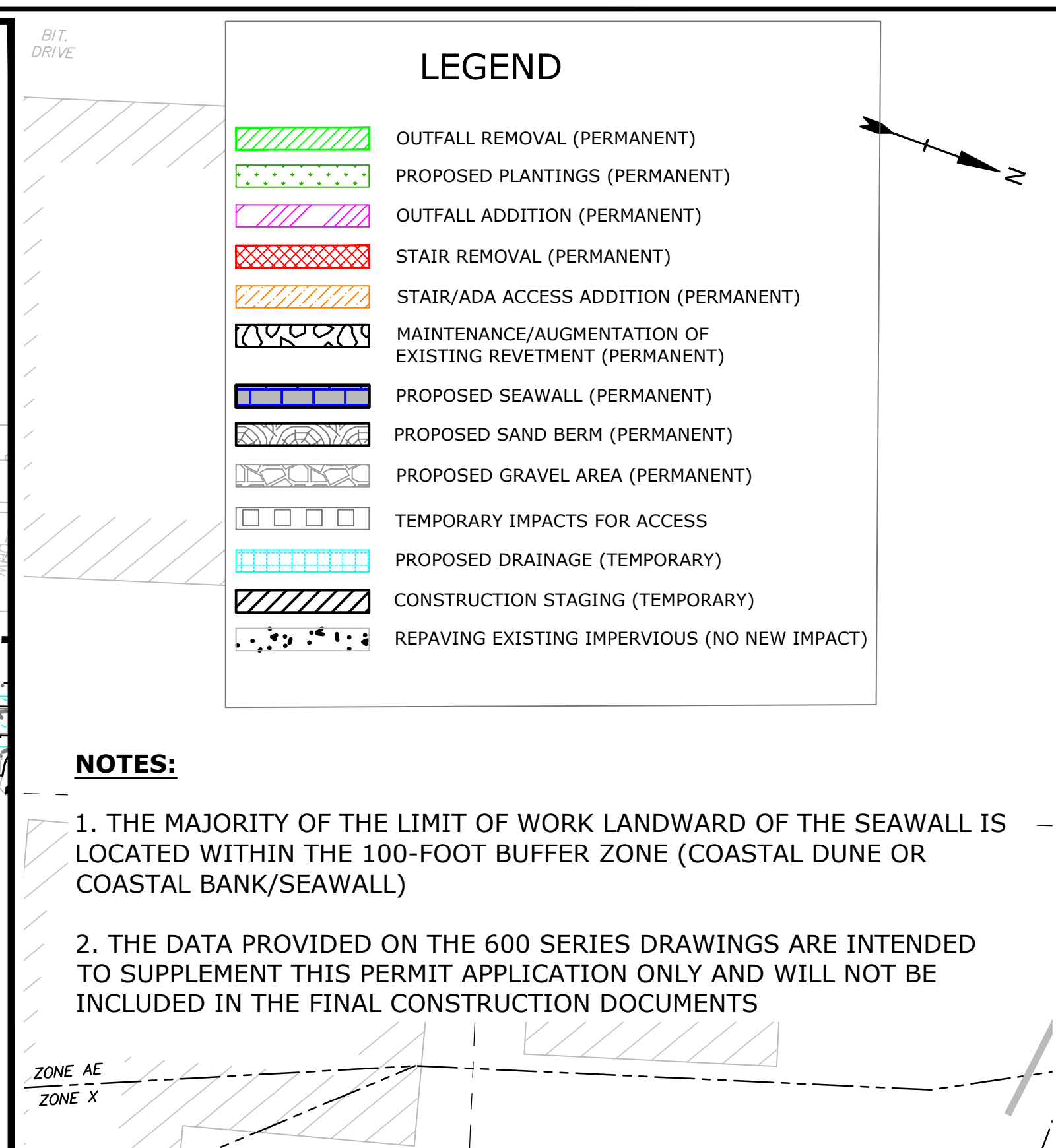
MARK	DATE	DESCRIPTION
		PROJECT NO: W2176-005A
		DATE: January 3, 2023
		FILE: W2176-005A-C-DSGN.dwg
		DRAWN BY: TAL/MKF/CJK
		CHECKED: DGM
		APPROVED: FJH

**RESOURCE AREA
IMPACT PLANS**

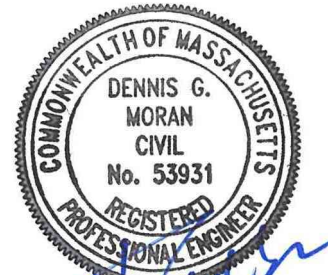
SCALE: AS SHOWN

C.612





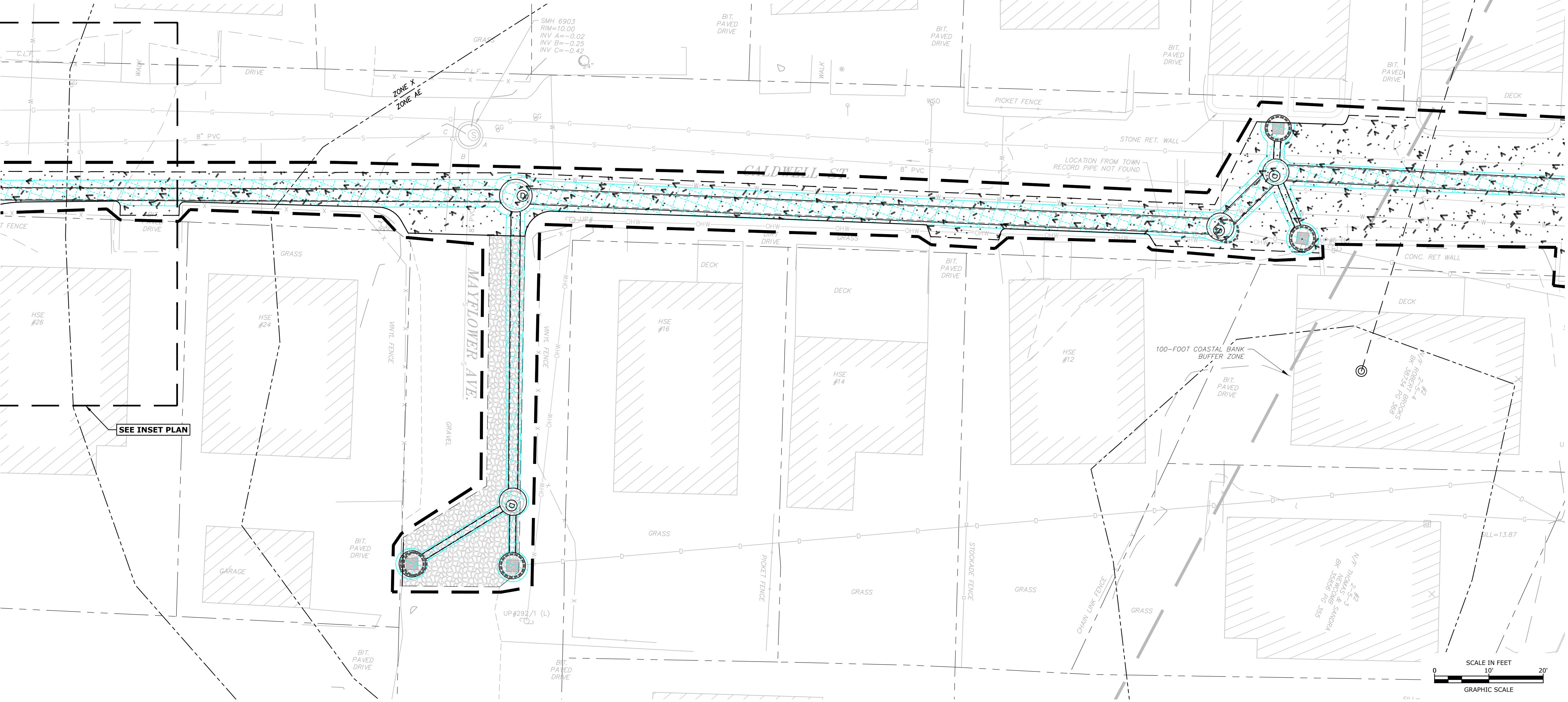
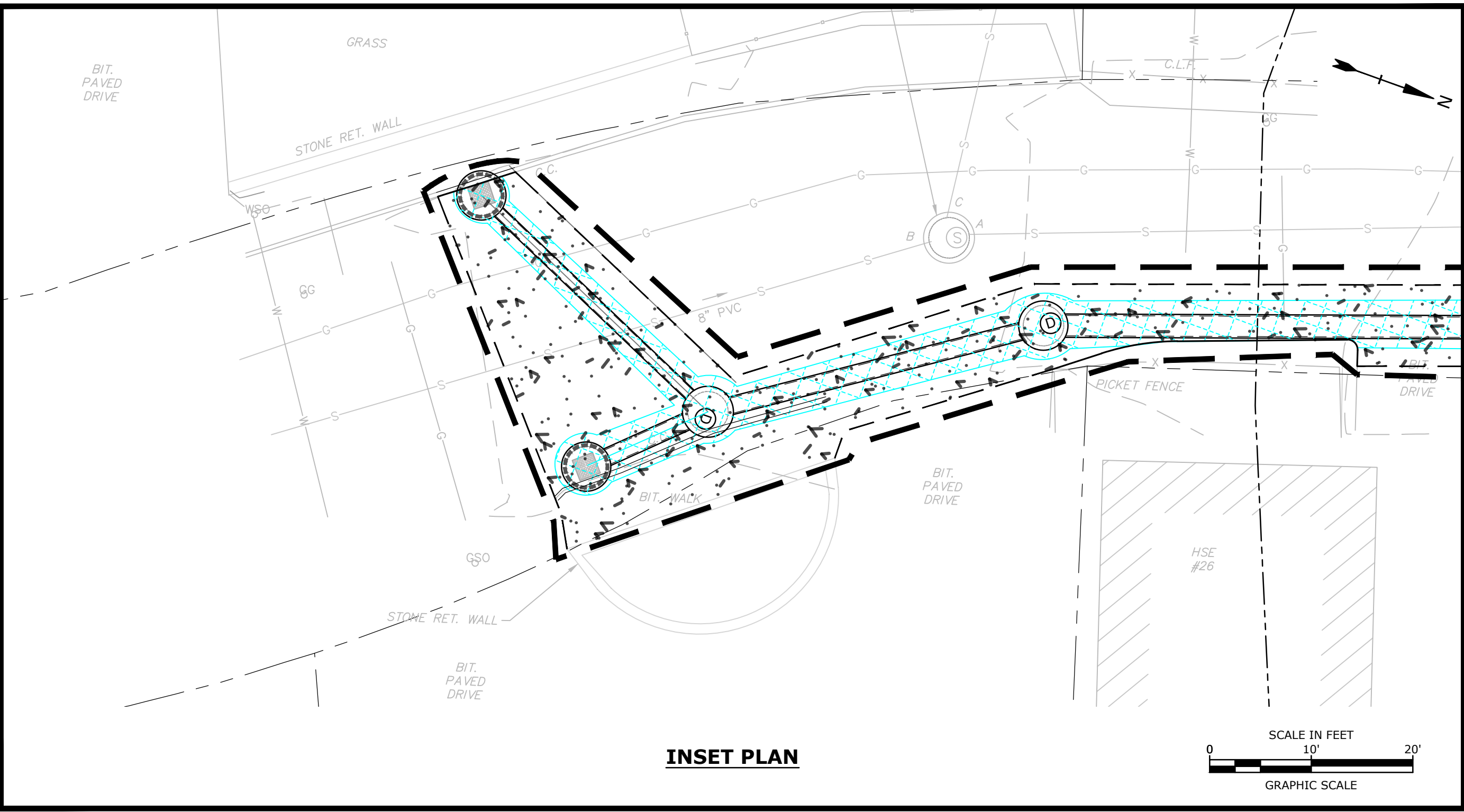
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Weymouth Neck Infrastructure Improvements Project

Weymouth,
Massachusetts

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DRAWN BY:	TAL/MKF/CJK		
CHECKED:	DGM		
APPROVED:	FJH		
RESOURCE AREA IMPACT PLANS			
SCALE: AS SHOWN			
C.613			



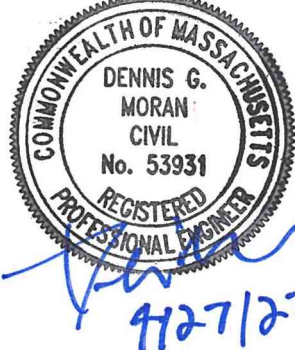
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RESOURCE AREA
IMPACT PLANS

SCALE: AS SHOWN

C.614