

TOWN OF WEYMOUTH

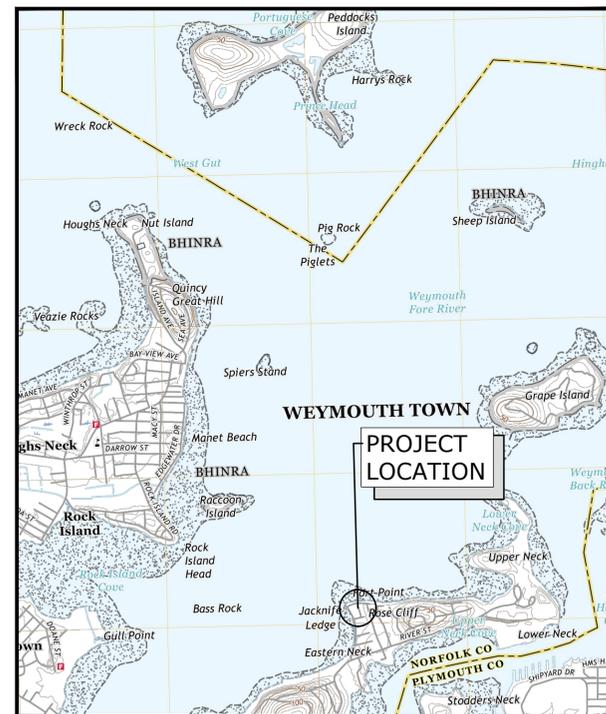
WEYMOUTH NECK INFRASTRUCTURE IMPROVEMENTS

PROJECT

WEYMOUTH, MASSACHUSETTS

APRIL 2023

LIST OF DRAWINGS		
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G.003	CROSS SECTION LAYOUT AND KEY PLAN	3/2/2023
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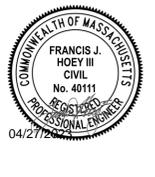


LOCATION MAP
SCALE: 1" = 2000'



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



9/27/23

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**Weymouth Neck
Infrastructure
Improvements
Project**

Town of
Weymouth, MA

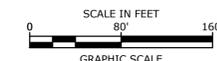
Weymouth,
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MARK	DATE	DESCRIPTION

LOCATION KEY PLAN

SCALE: AS SHOWN

G.002



Last Saved: 4/26/2023 9:40pm By: Tlabbe
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Weymouth Neck Infrastructure Improvements Project

Town of Weymouth, MA

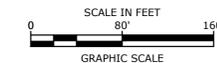
Weymouth, Massachusetts

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

CROSS SECTION LAYOUT AND KEY PLAN

SCALE: AS SHOWN

G.003



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WEYMOUTH FORE RIVER

MEAN HIGH WATER=4.37'

SEE SHEET C.102
SEE SHEET C.101

Tighe & Bond



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Town of Weymouth, MA

Weymouth, Massachusetts

MARK	DATE	DESCRIPTION

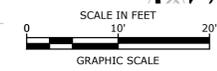
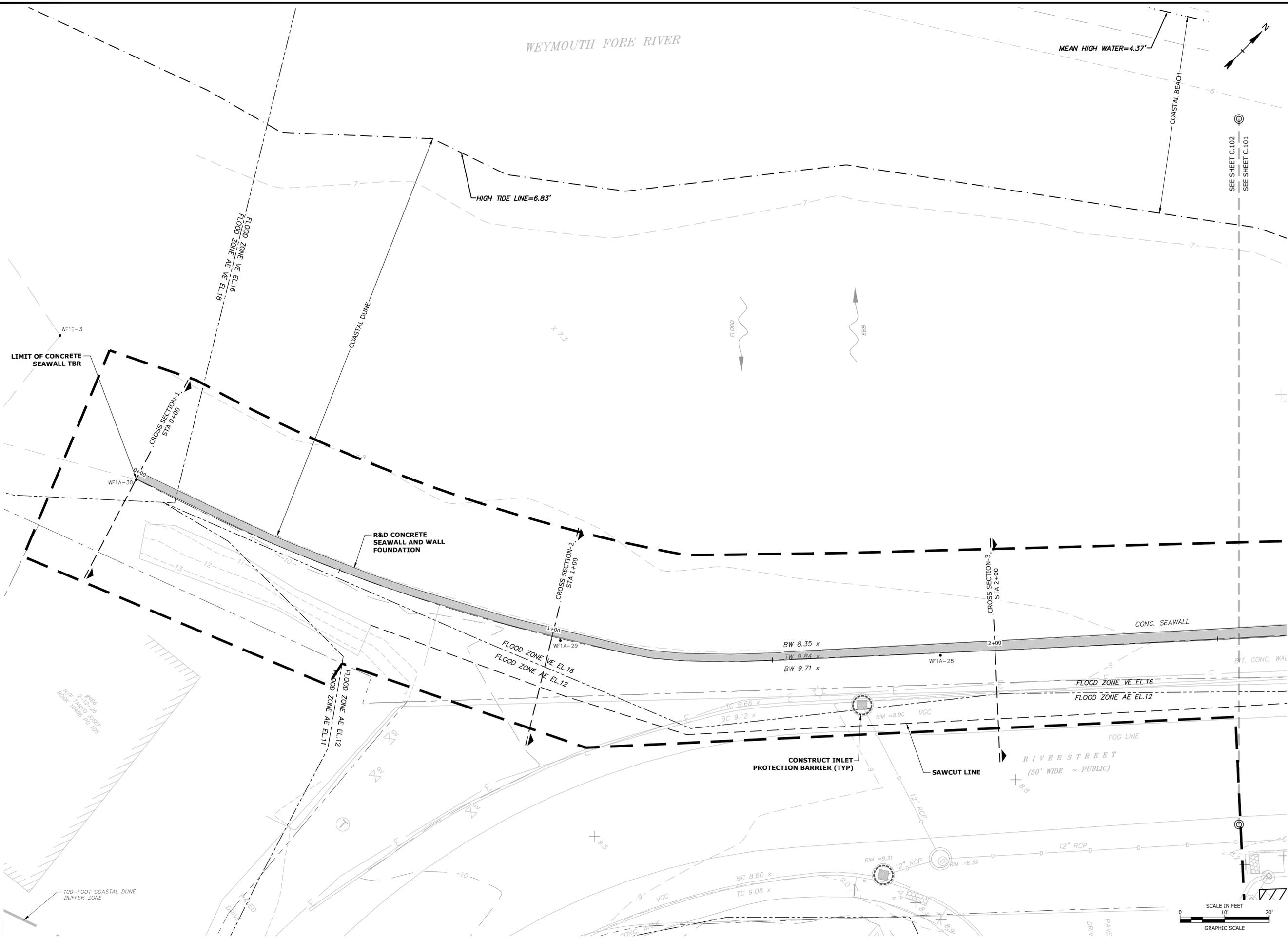
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 FILE: W2176-005A-C-DSGN.dwg
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 CHECKED: DGM
 APPROVED: FJH

EXISTING CONDITIONS & DEMOLITION PLAN

SCALE: AS SHOWN

C.101

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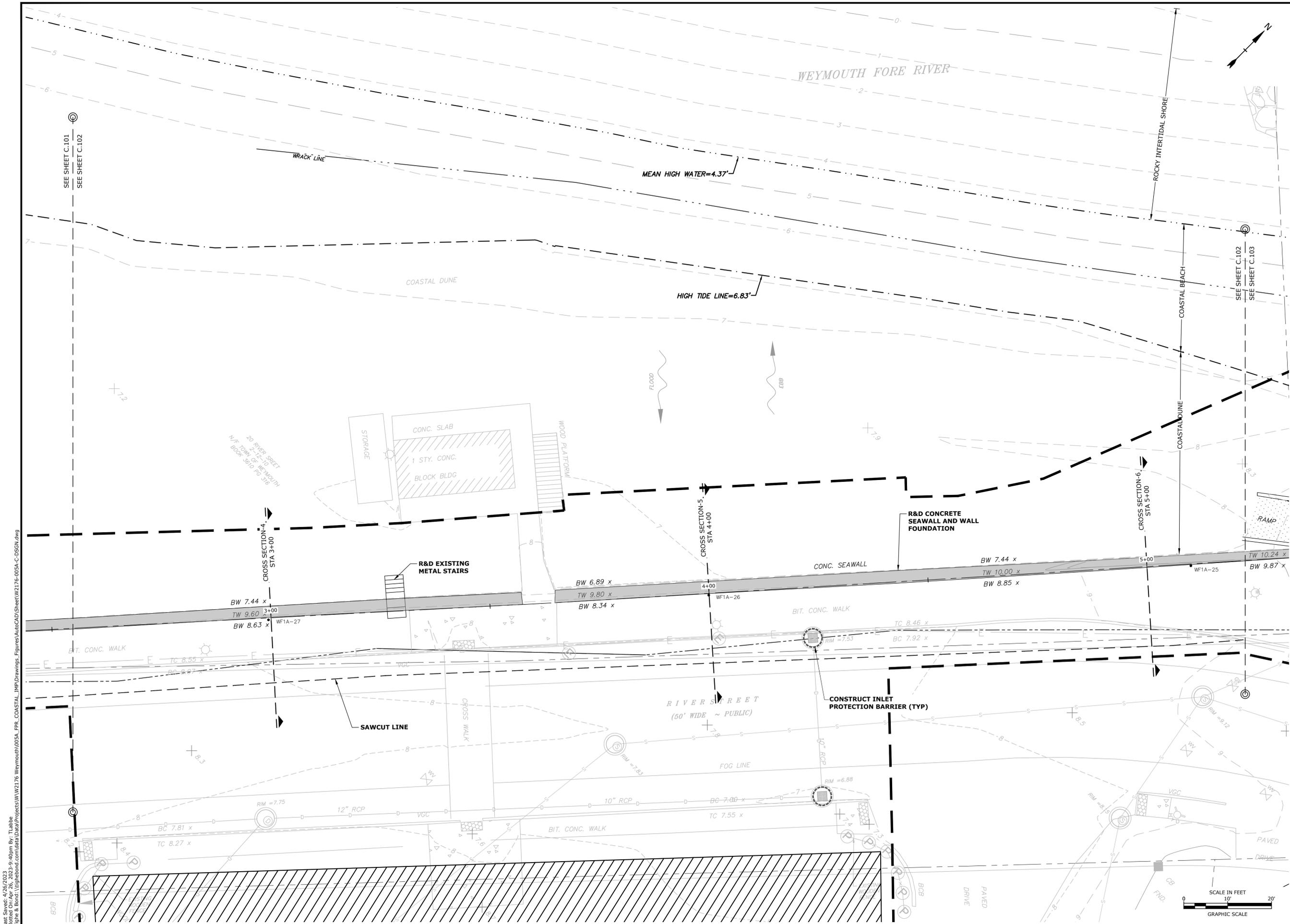
Weymouth,
Massachusetts

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DRAWN BY:	TAL/MKF/CJK	
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APPROVED:	FJH	

**EXISTING CONDITIONS
& DEMOLITION PLAN**

SCALE: AS SHOWN

C.102



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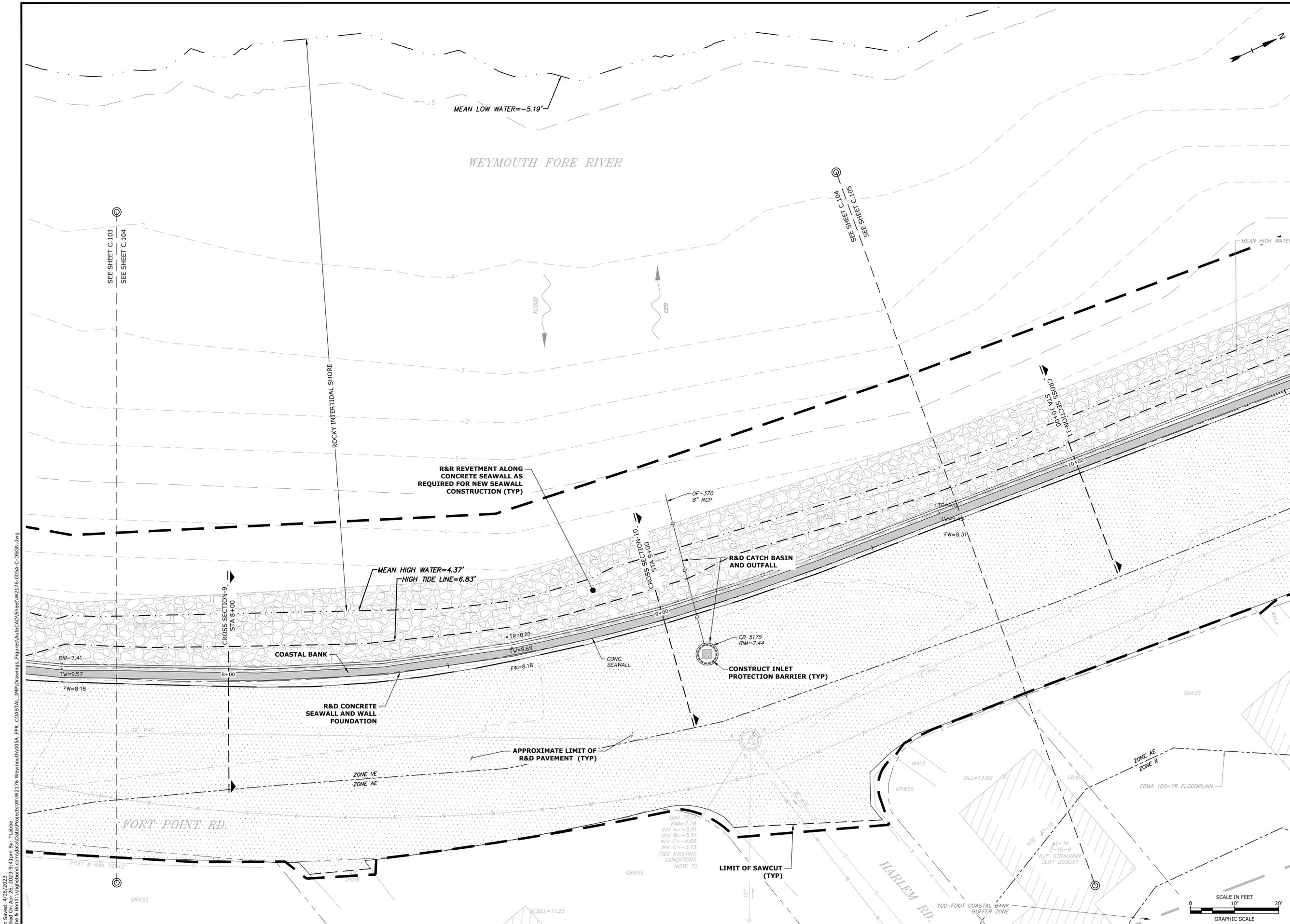
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APPROVED:	FJH

**EXISTING CONDITIONS
& DEMOLITION PLAN**

SCALE: AS SHOWN

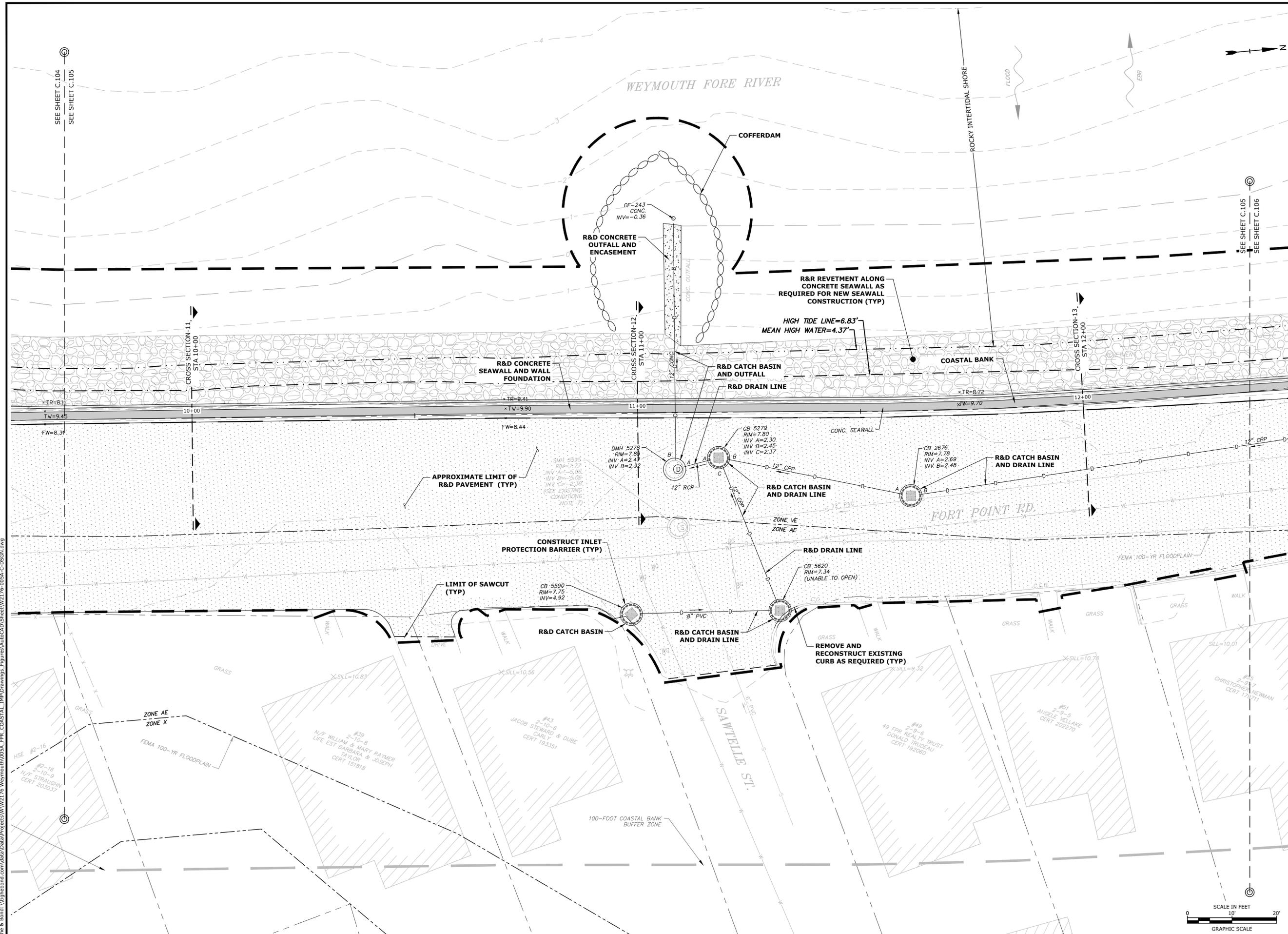
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1127123



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Weymouth Neck Infrastructure Improvements Project

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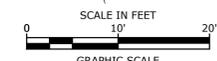
Weymouth, Massachusetts

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DATE:	January 3, 2023
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APPROVED:	FJH

EXISTING CONDITIONS & DEMOLITION PLAN

SCALE: AS SHOWN



C.105

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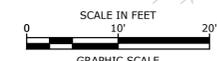
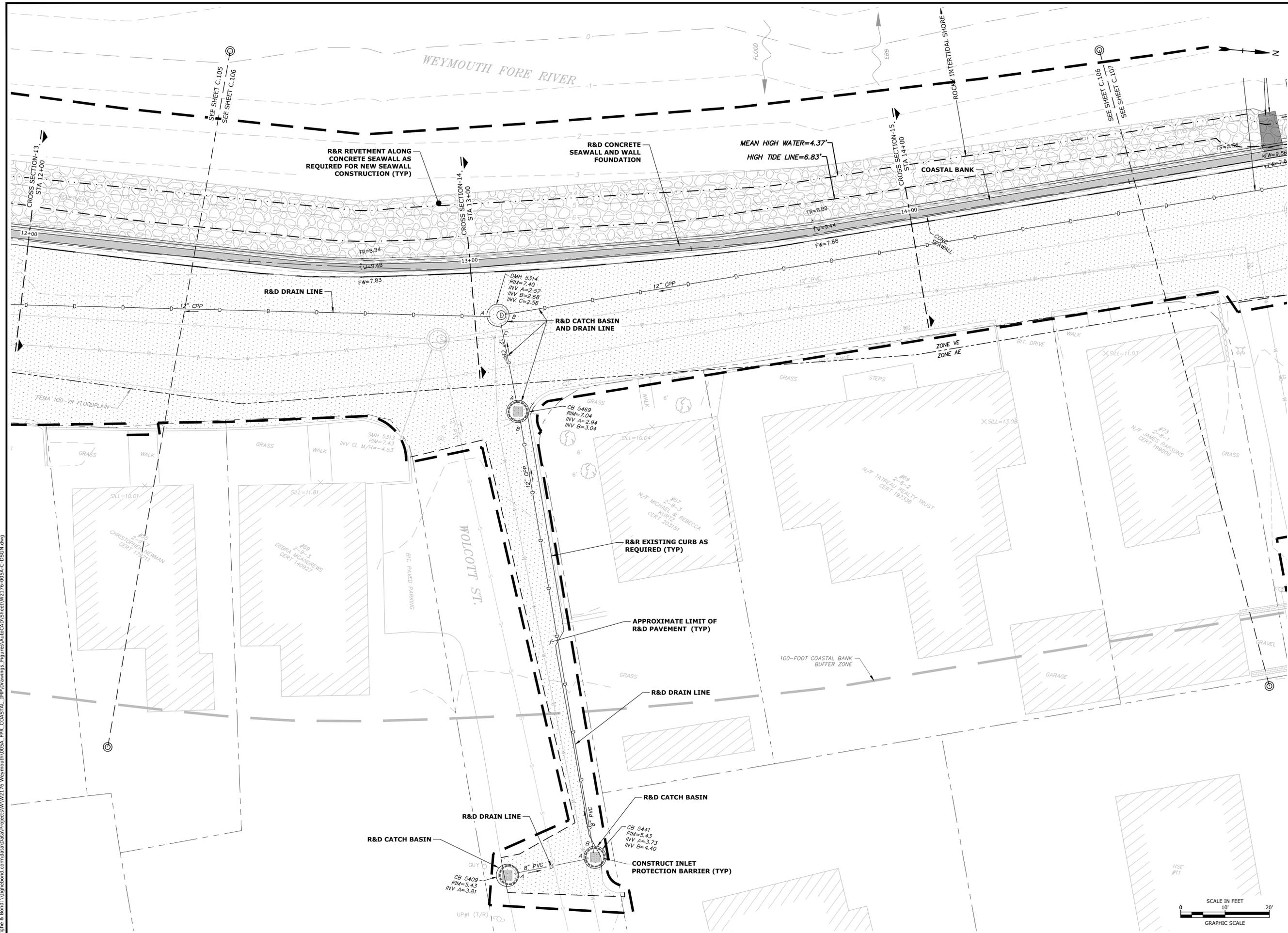
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APPROVED:	FJH

**EXISTING CONDITIONS
& DEMOLITION PLAN**

SCALE: AS SHOWN

C.106



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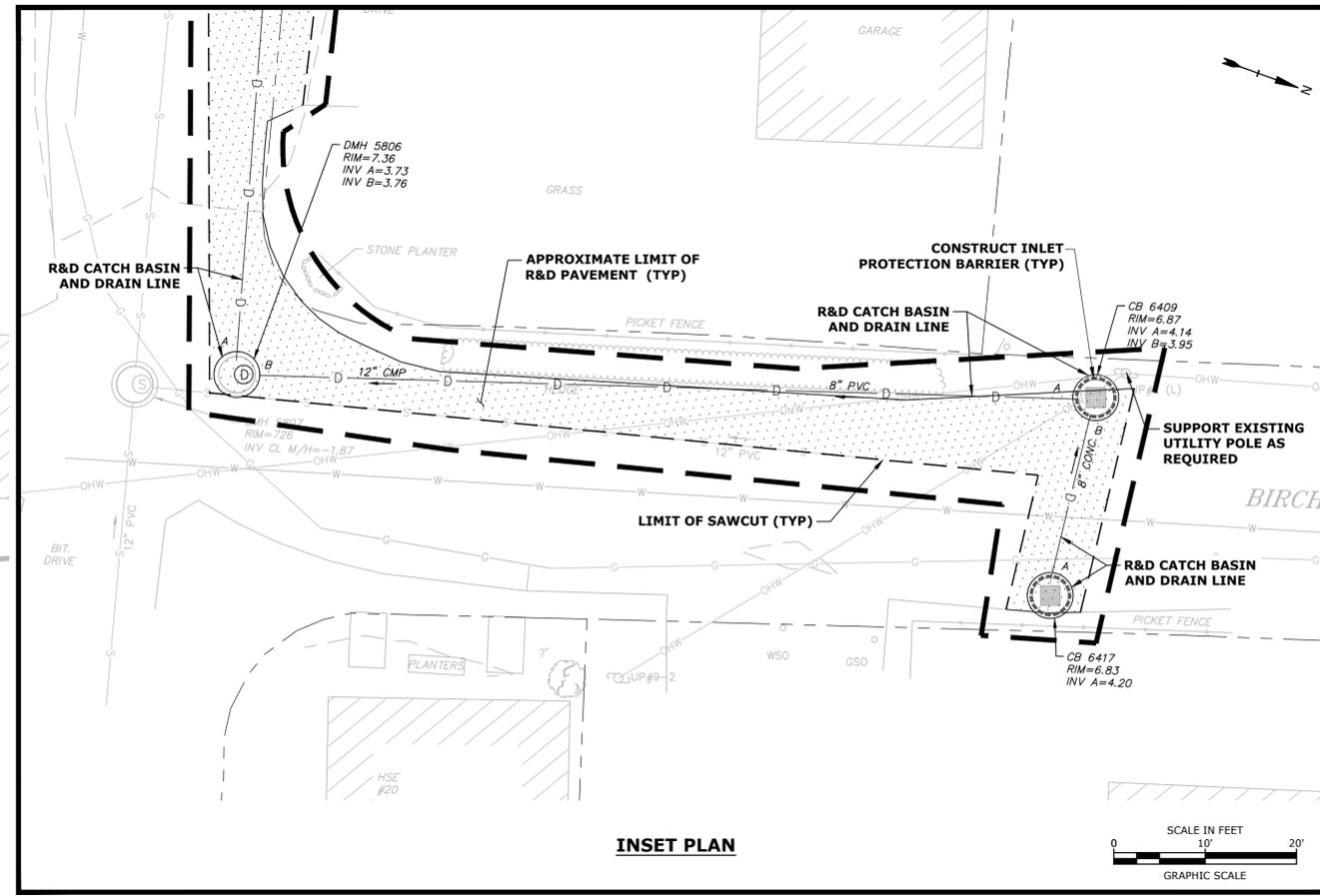
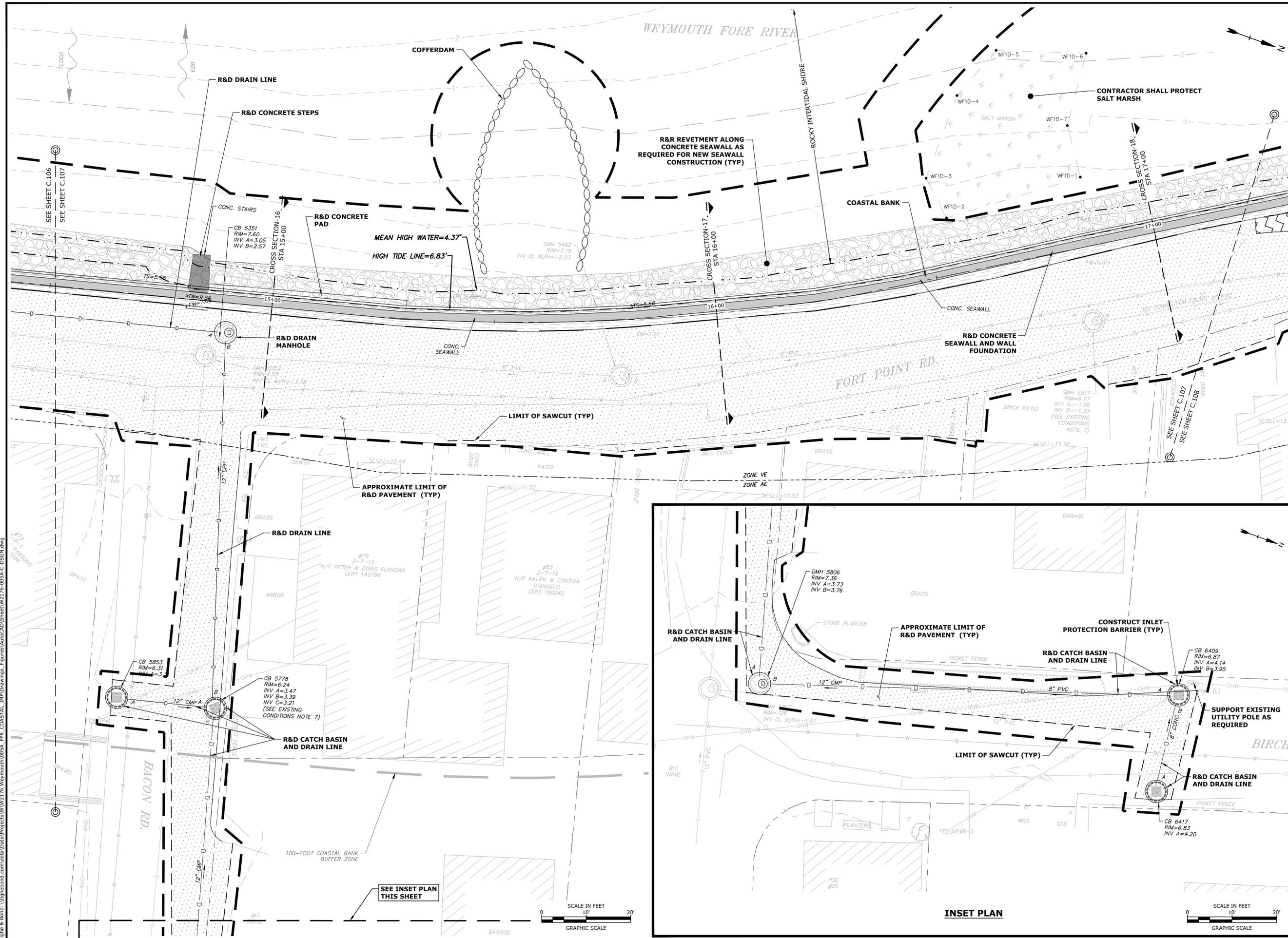
Weymouth,
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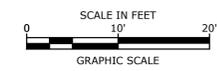
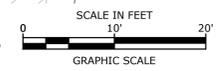
**EXISTING CONDITIONS
& DEMOLITION PLAN**

SCALE: AS SHOWN

C.107



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Town of
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Weymouth,
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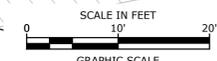
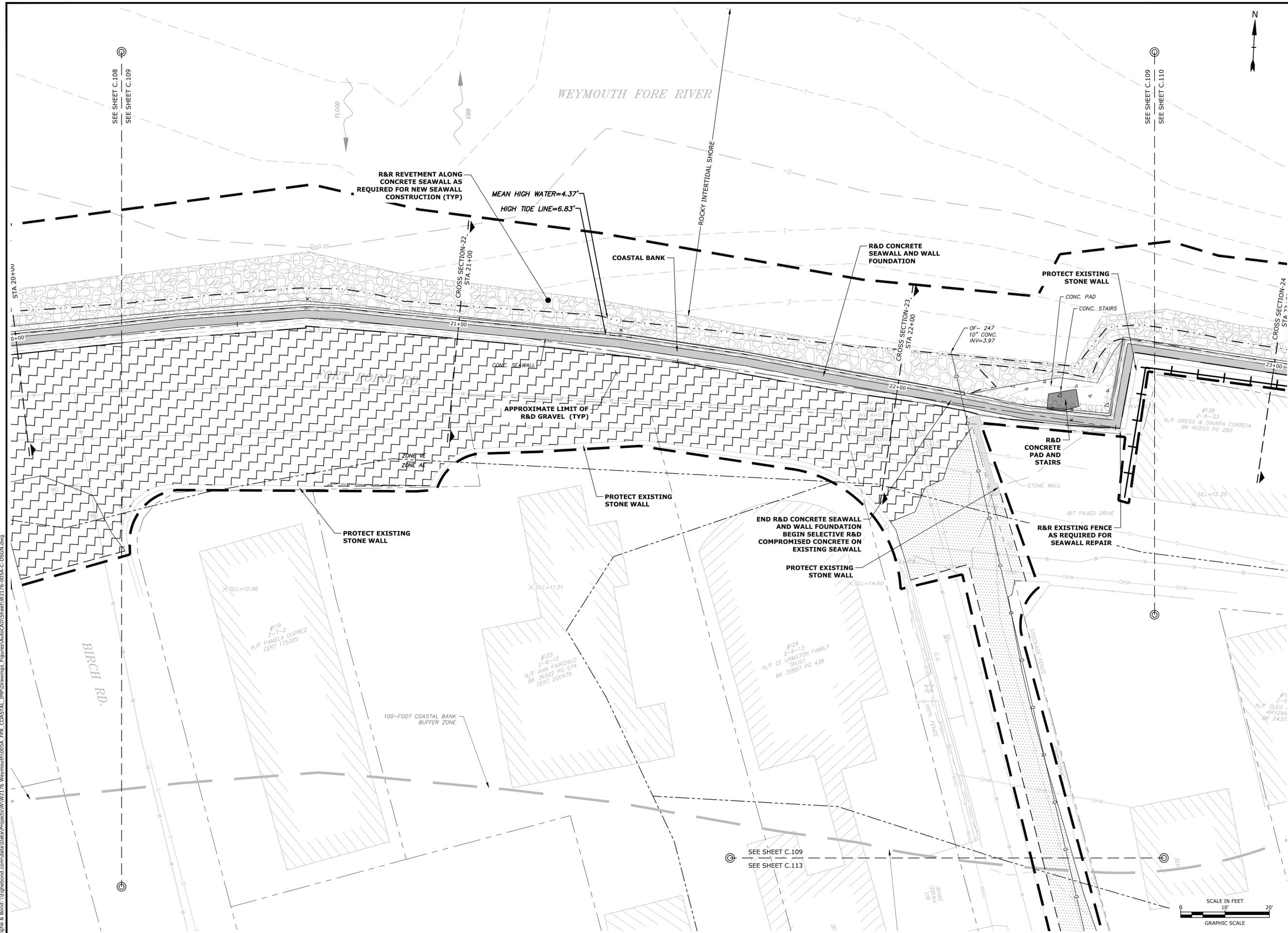
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PROJECT NO: W2176-005A
 DATE: January 3, 2023
 FILE: W2176-005A-C-DSGN.dwg
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 APPROVED: FJH

**EXISTING CONDITIONS
& DEMOLITION PLAN**

SCALE: AS SHOWN

C.109



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Improvements
Project**

Town of
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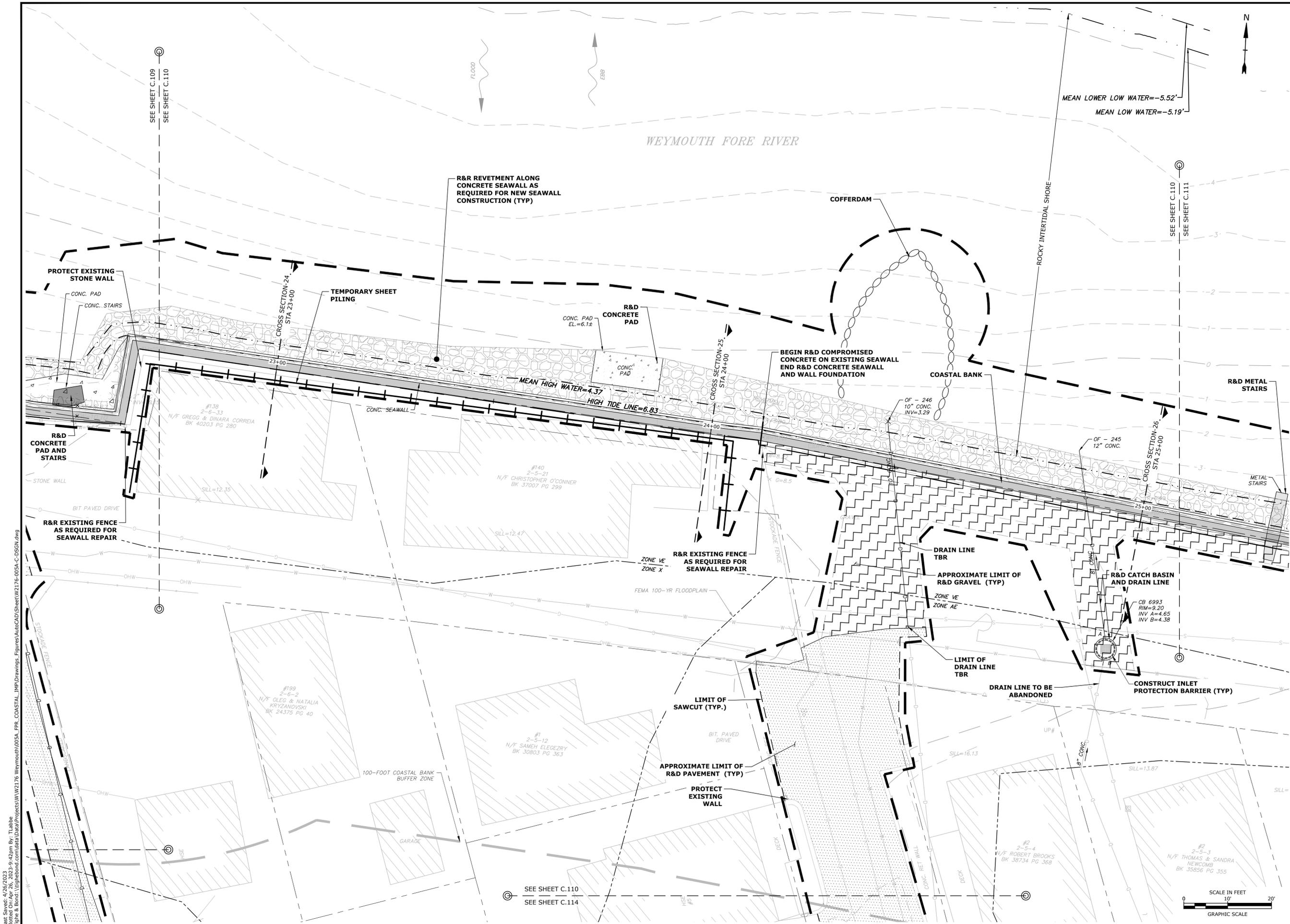
Weymouth,
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**EXISTING CONDITIONS
& DEMOLITION PLAN**

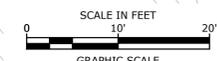
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C.110



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SEE SHEET C.110
SEE SHEET C.114





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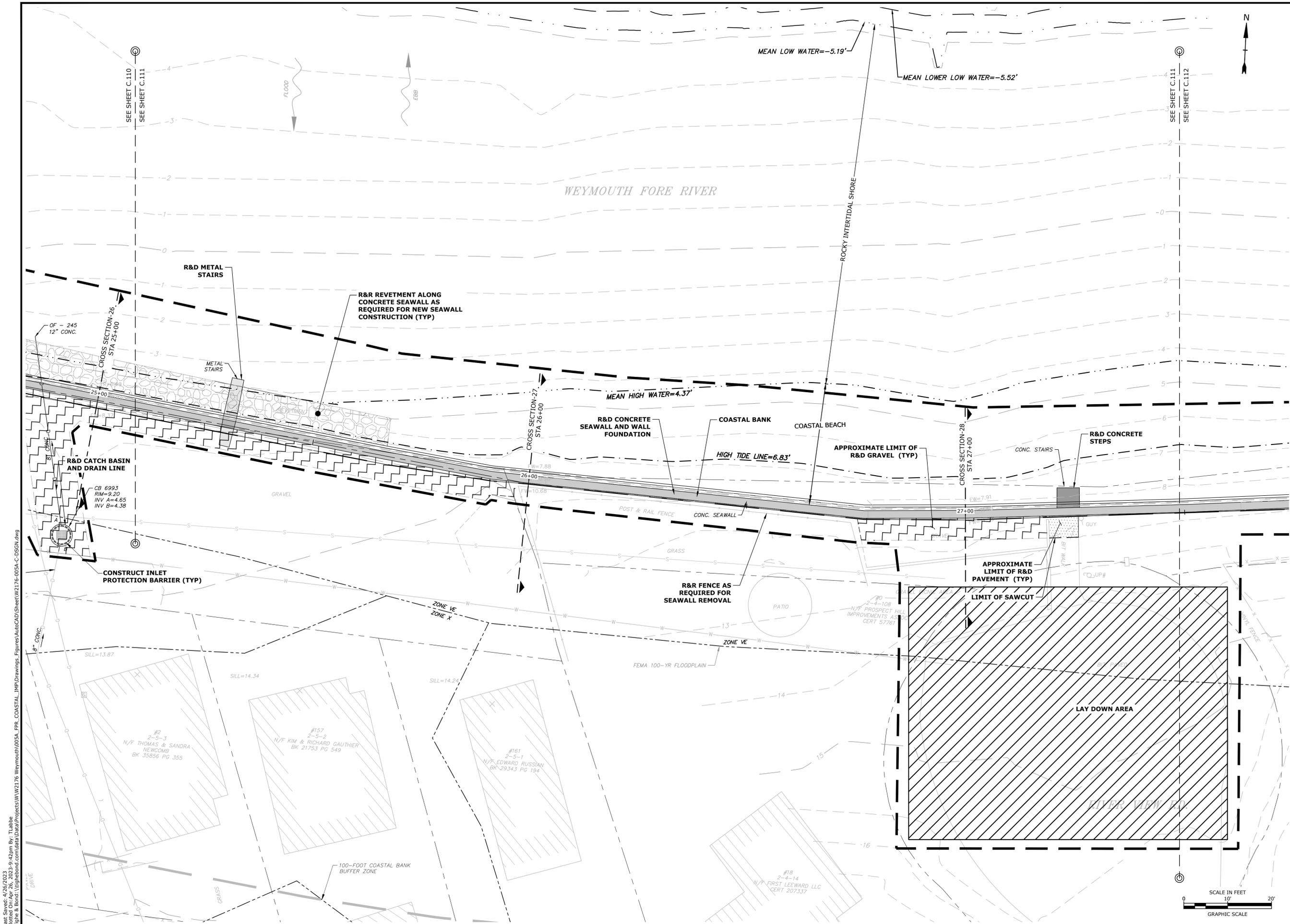
Weymouth,
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FILE:	W2176-005A-C-DSGN.dwg	
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**EXISTING CONDITIONS
& DEMOLITION PLAN**

SCALE: AS SHOWN

C.111

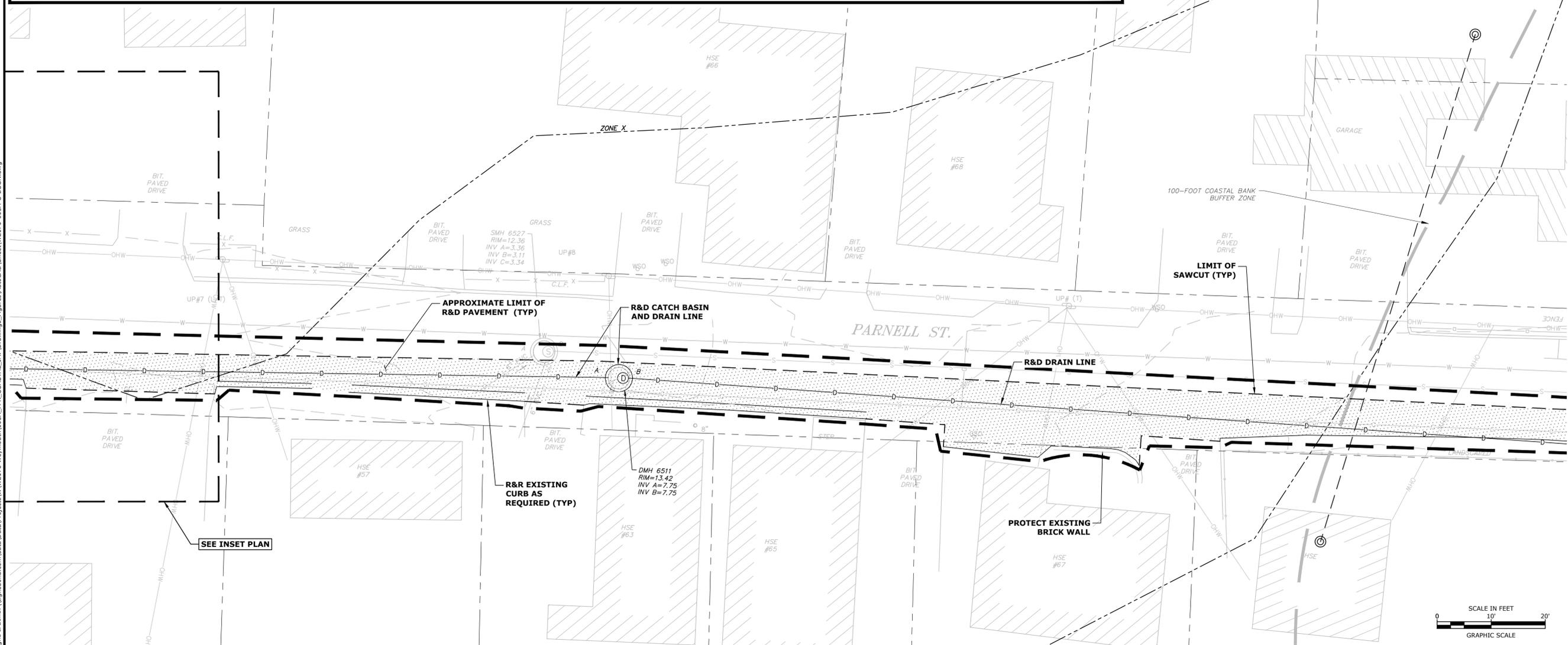
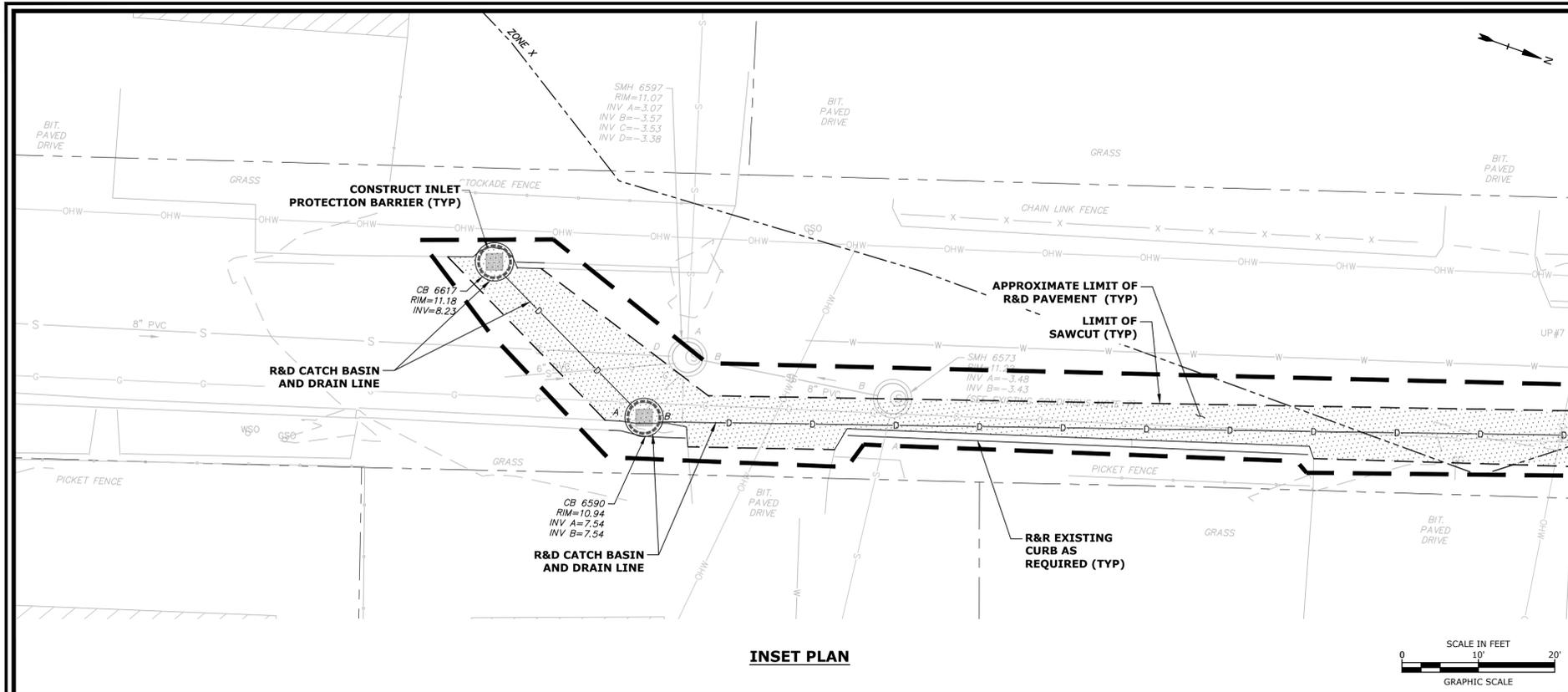


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SEE SHEET C.113
SEE SHEET C.109



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**Weymouth Neck
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Town of
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Weymouth,
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APPROVED:	FJH	

**EXISTING CONDITIONS
& DEMOLITION PLAN**

SCALE: AS SHOWN

C.113



Dennis G. Moran
4/27/23

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**Weymouth Neck
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Town of
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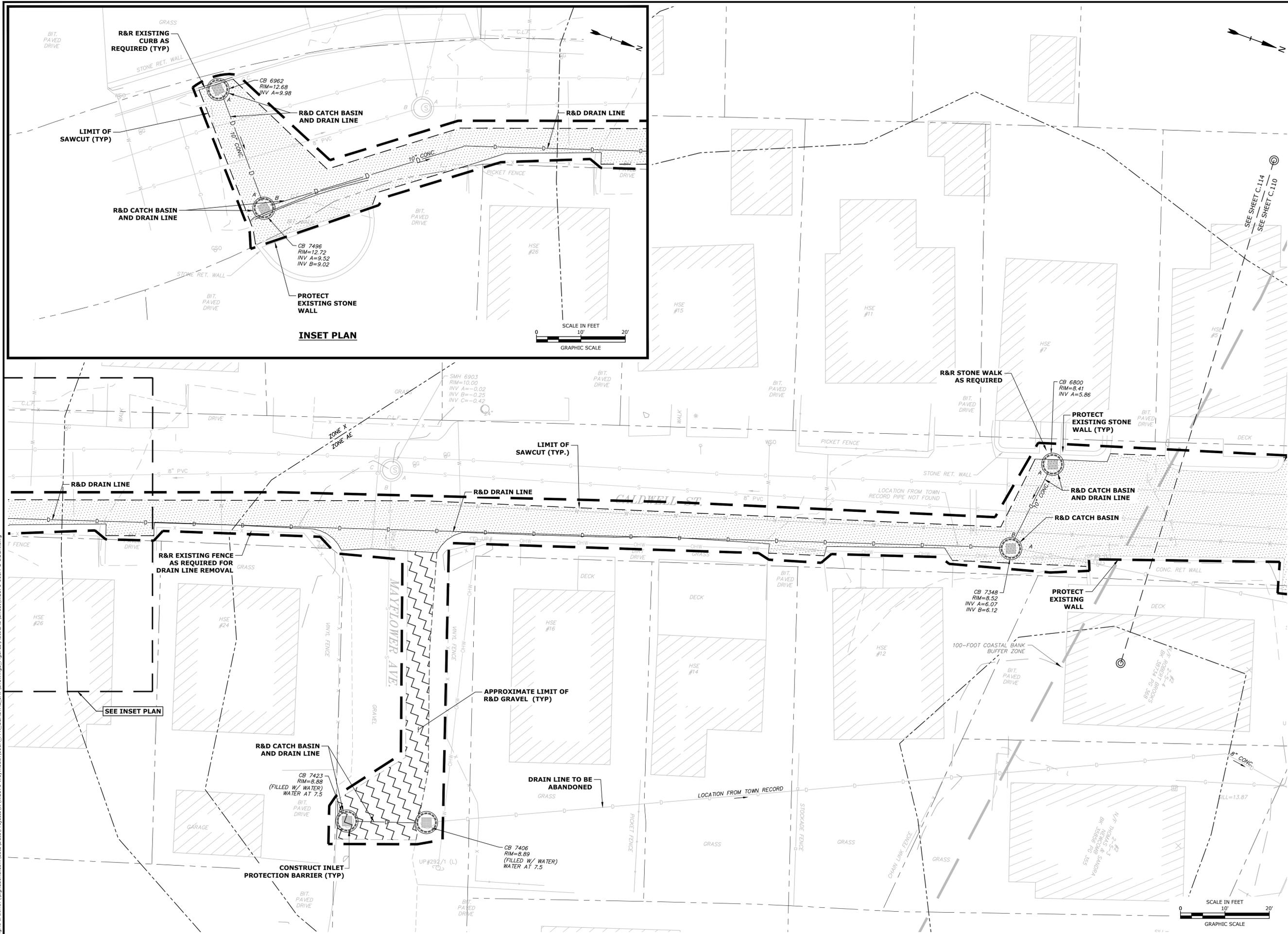
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DATE:	January 3, 2023
FILE:	W2176-005A-C-DSGN.dwg
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APPROVED:	FJH

**EXISTING CONDITIONS
& DEMOLITION PLAN**

SCALE: AS SHOWN

C.114



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WEYMOUTH FORE RIVER

MEAN HIGH WATER=4.37'

COASTAL BEACH
SEE SHEET C.201
SEE SHEET C.202

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Weymouth Neck Infrastructure Improvements Project

Town of Weymouth, MA

Weymouth, Massachusetts

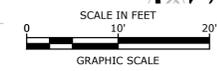
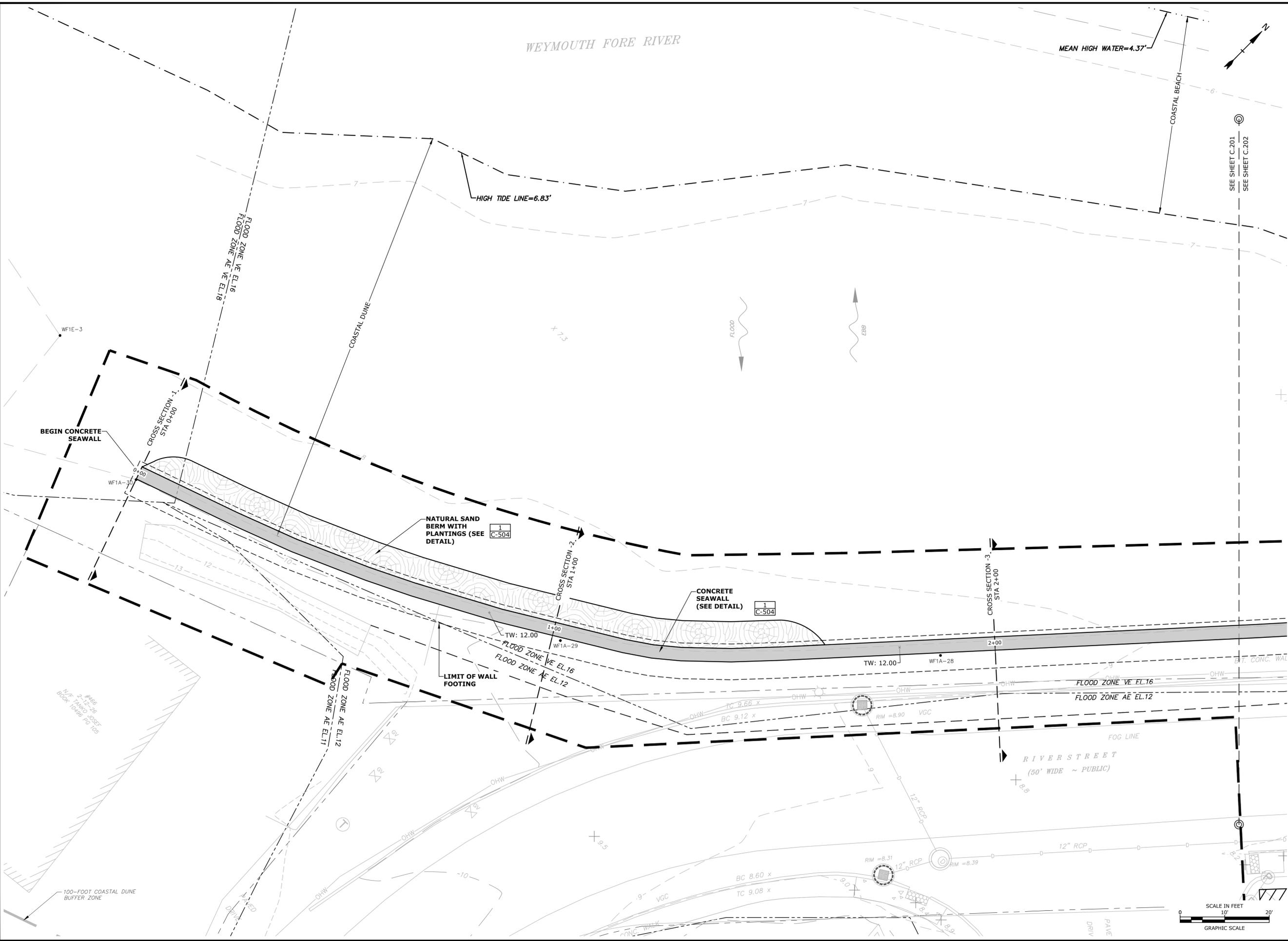
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FILE:	W2176-005A-C-DSGN.dwg	
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APPROVED:	FJH	

PROPOSED CONDITIONS PLAN

SCALE: AS SHOWN

C.201

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Weymouth Neck Infrastructure Improvements Project

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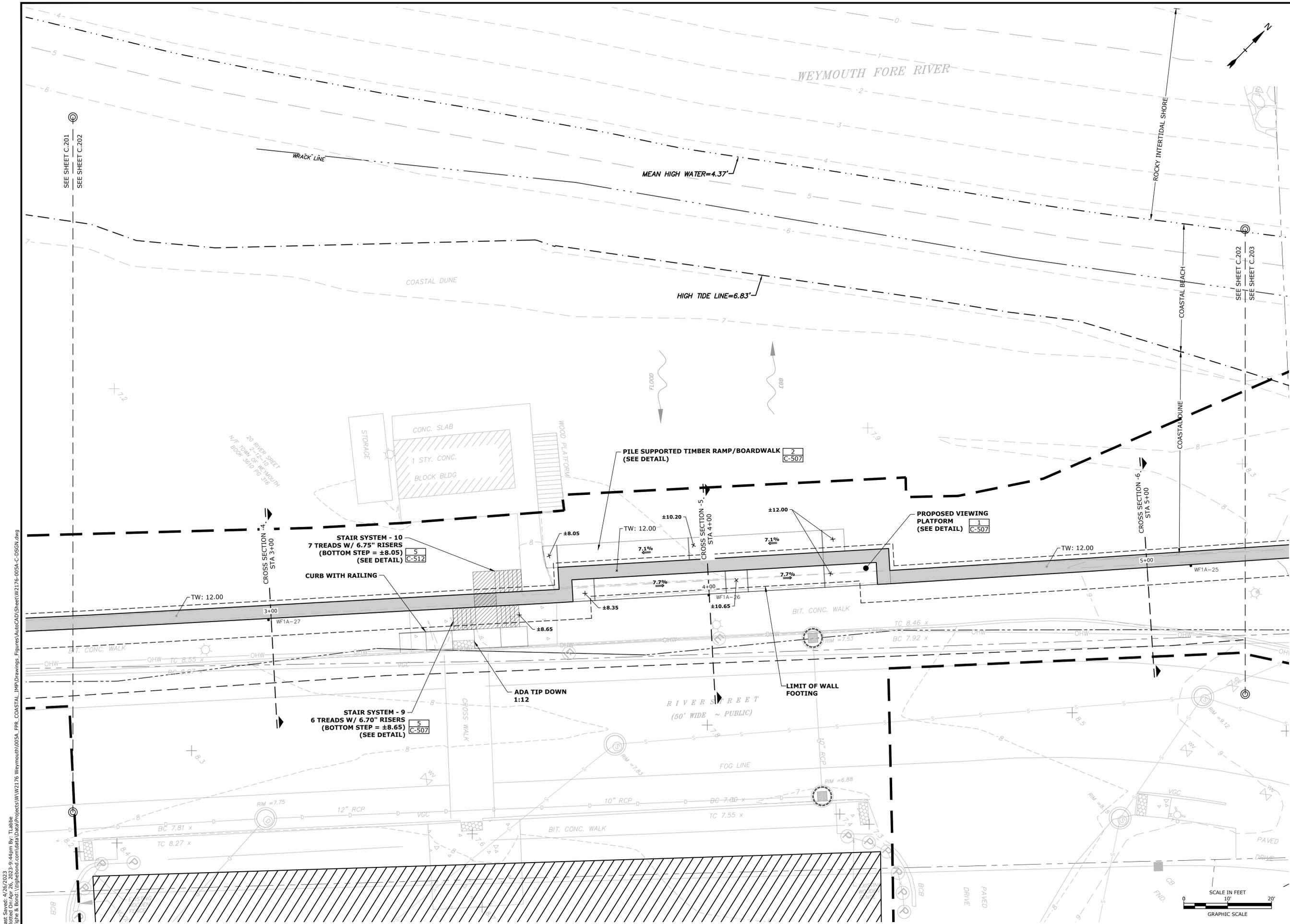
Weymouth, Massachusetts

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DRAWN BY:	TAL/MKF/CJK	
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APPROVED:	FJH	

PROPOSED CONDITIONS PLAN

SCALE: AS SHOWN

C.202



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 Figures: AutoCAD, InRoads, MicroStation, ProjectWise, W2176-005A-C-DSGN.dwg



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Weymouth Neck Infrastructure Improvements Project

Town of Weymouth, MA

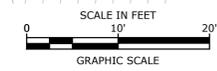
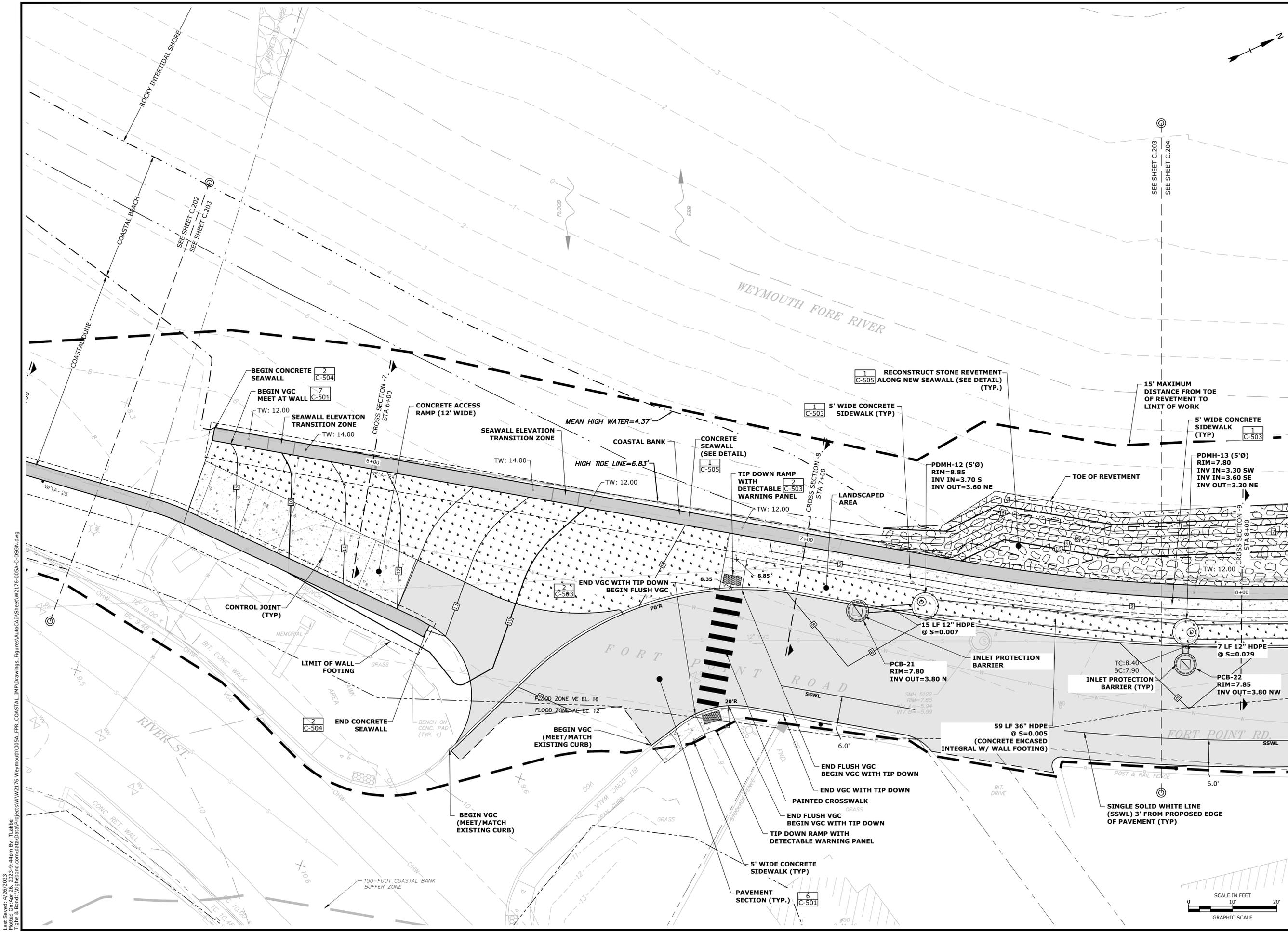
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PROPOSED CONDITIONS PLAN

SCALE: AS SHOWN

C.203



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Weymouth Neck Infrastructure Improvements Project

Town of Weymouth, MA

Weymouth, Massachusetts

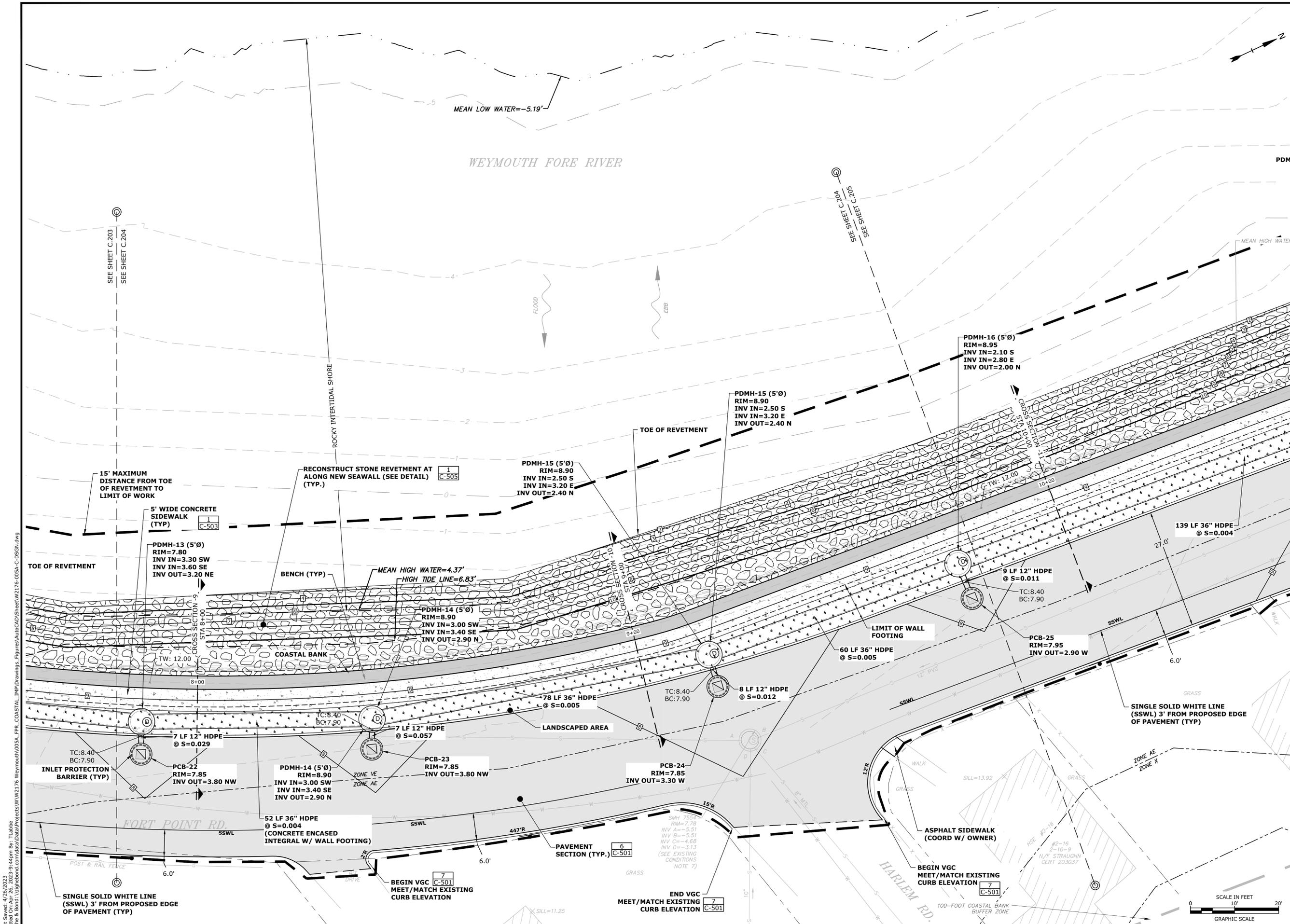
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APPROVED:	FJH

PROPOSED CONDITIONS PLAN

SCALE: AS SHOWN

C.204



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412-7123

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Town of
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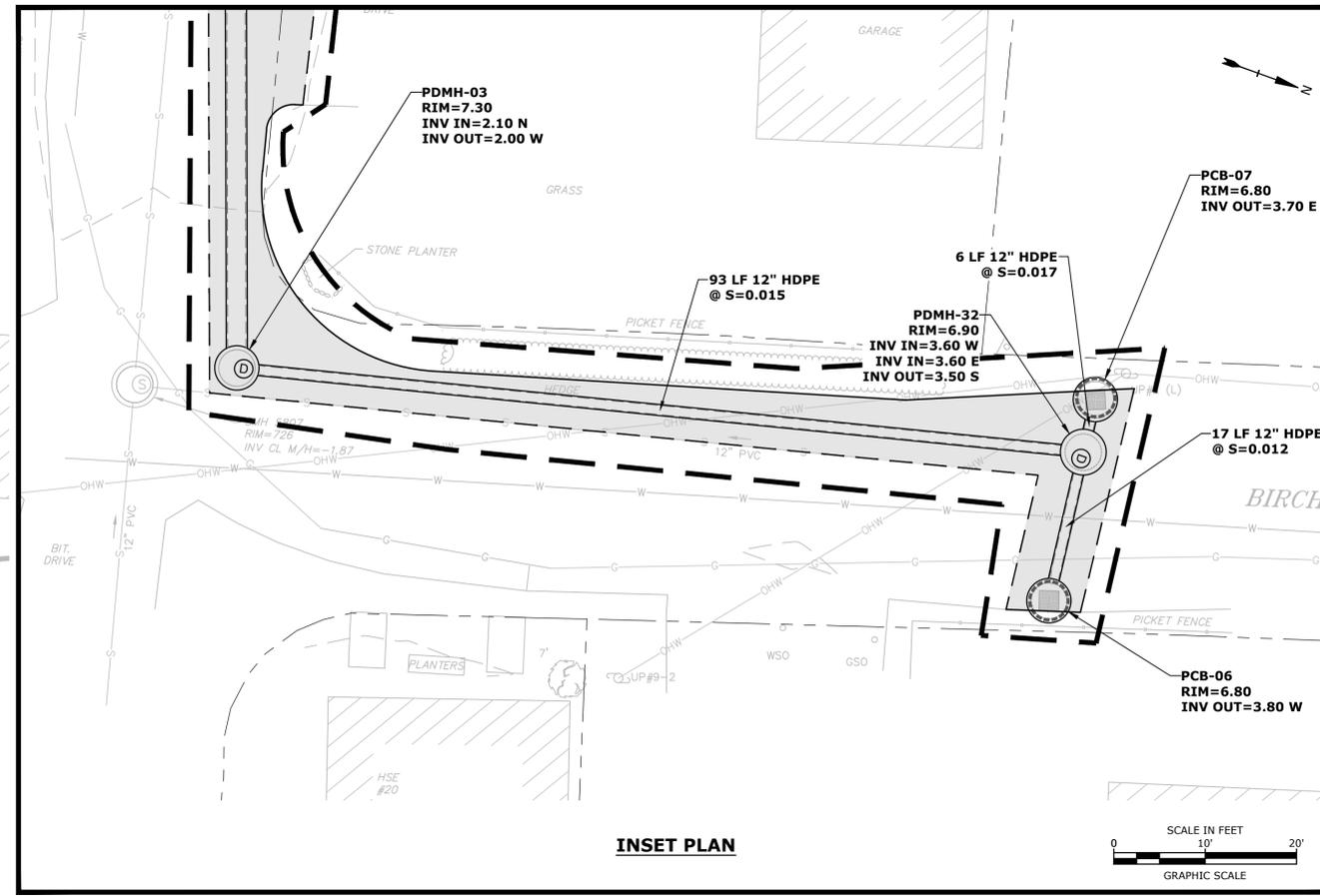
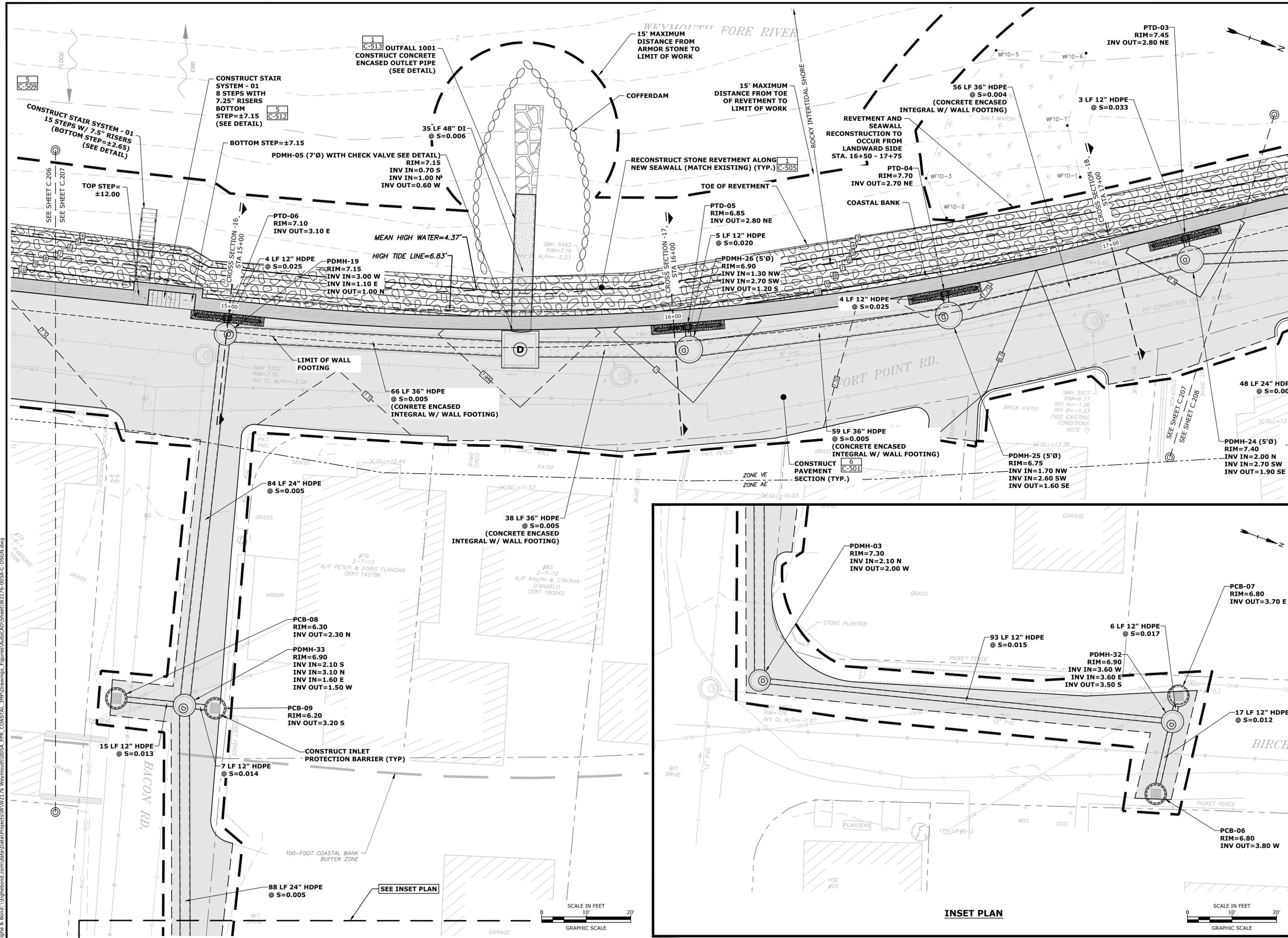
Weymouth,
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APPROVED:	FJH	

**PROPOSED
CONDITIONS PLAN**

SCALE: AS SHOWN

C.207



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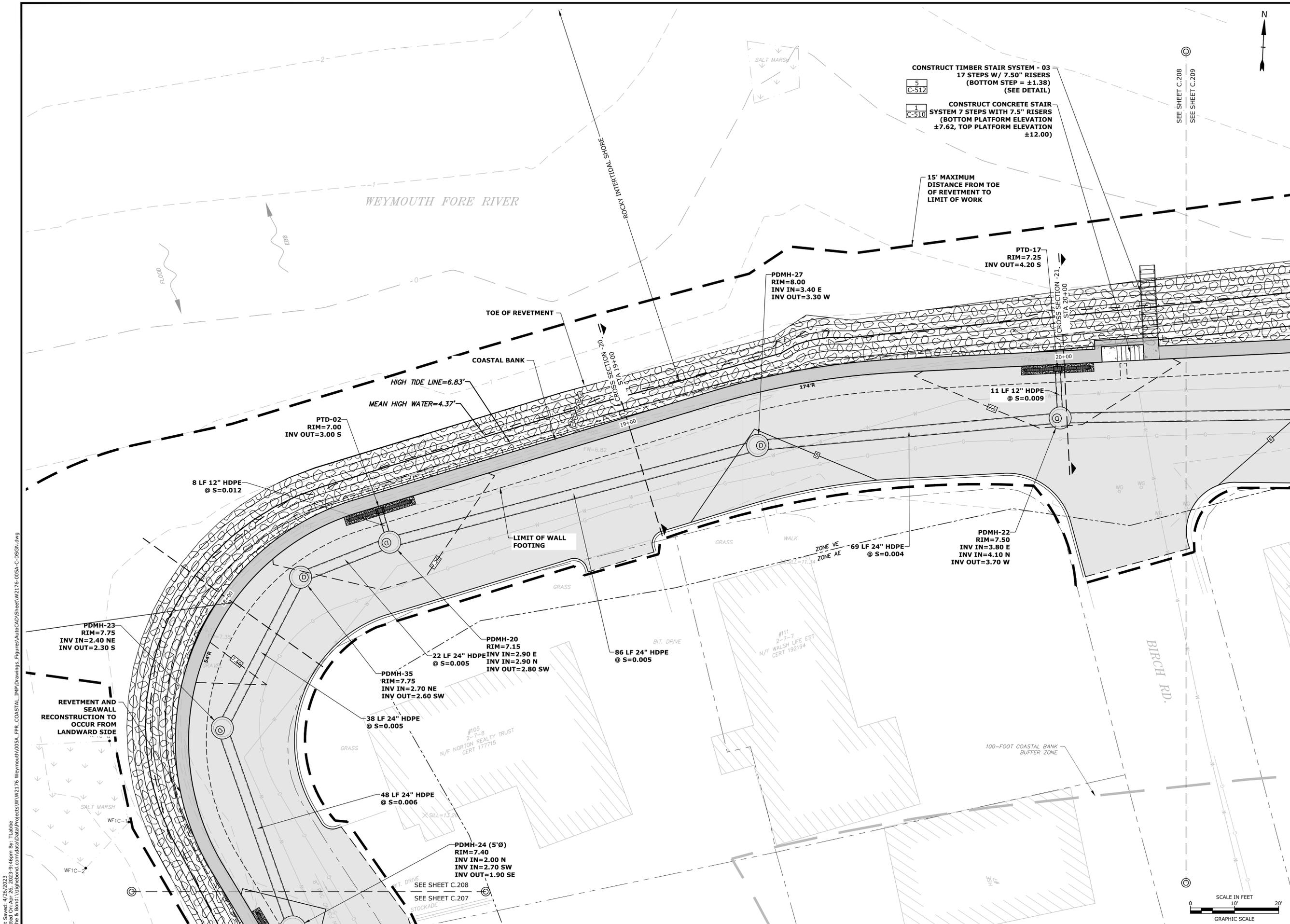
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APPROVED:	FJH	

**PROPOSED
CONDITIONS PLAN**

SCALE: AS SHOWN

C.208



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**PERMIT SET
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**Weymouth Neck
Infrastructure
Improvements
Project**

Town of
Weymouth, MA

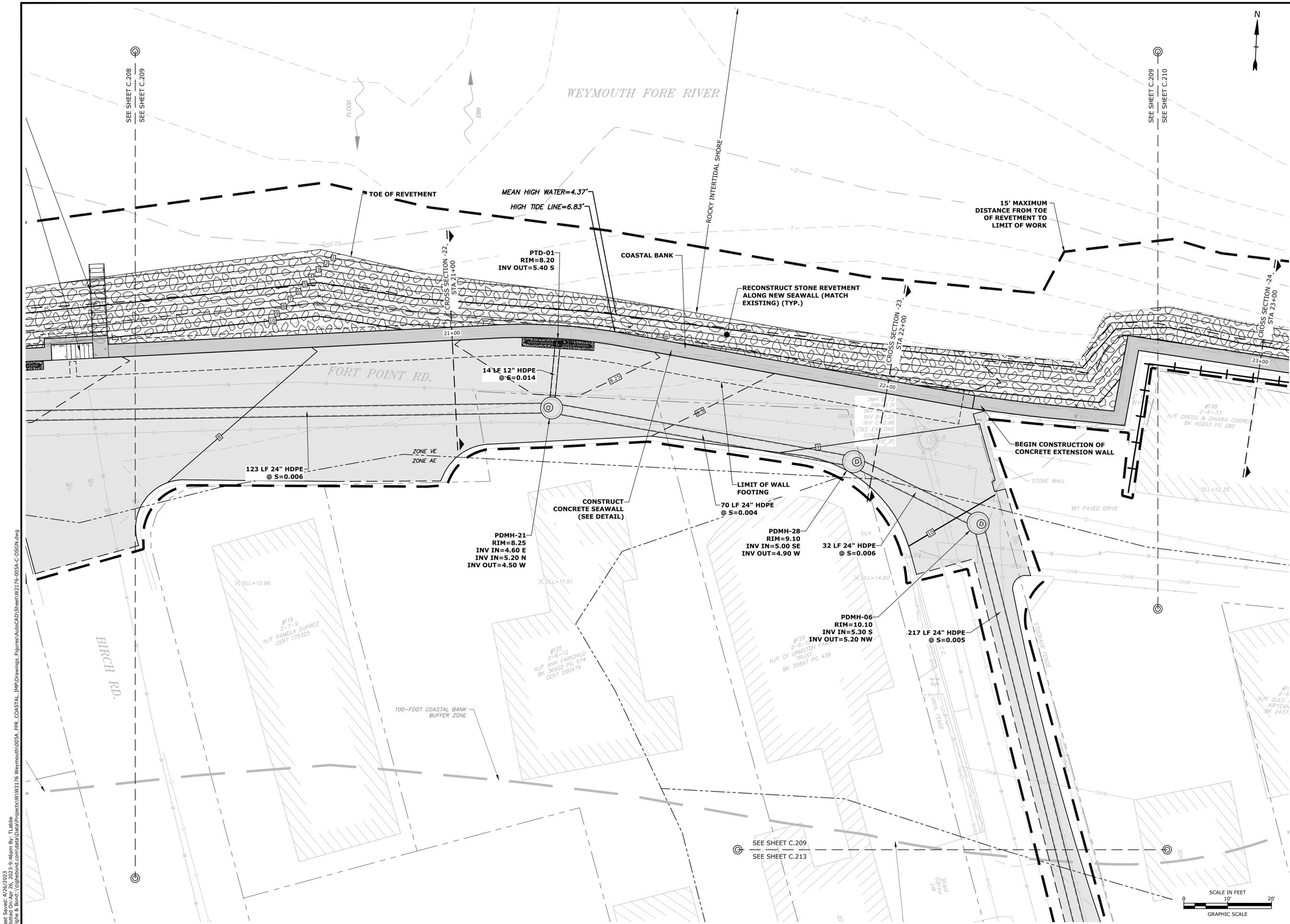
Weymouth,
Massachusetts

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

**PROPOSED
CONDITIONS PLAN**

SCALE: AS SHOWN

C.209



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 Tighe & Bond, Weymouth, MA
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D. Moran
4/27/23

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**Weymouth Neck
Infrastructure
Improvements
Project**

Town of
Weymouth, MA

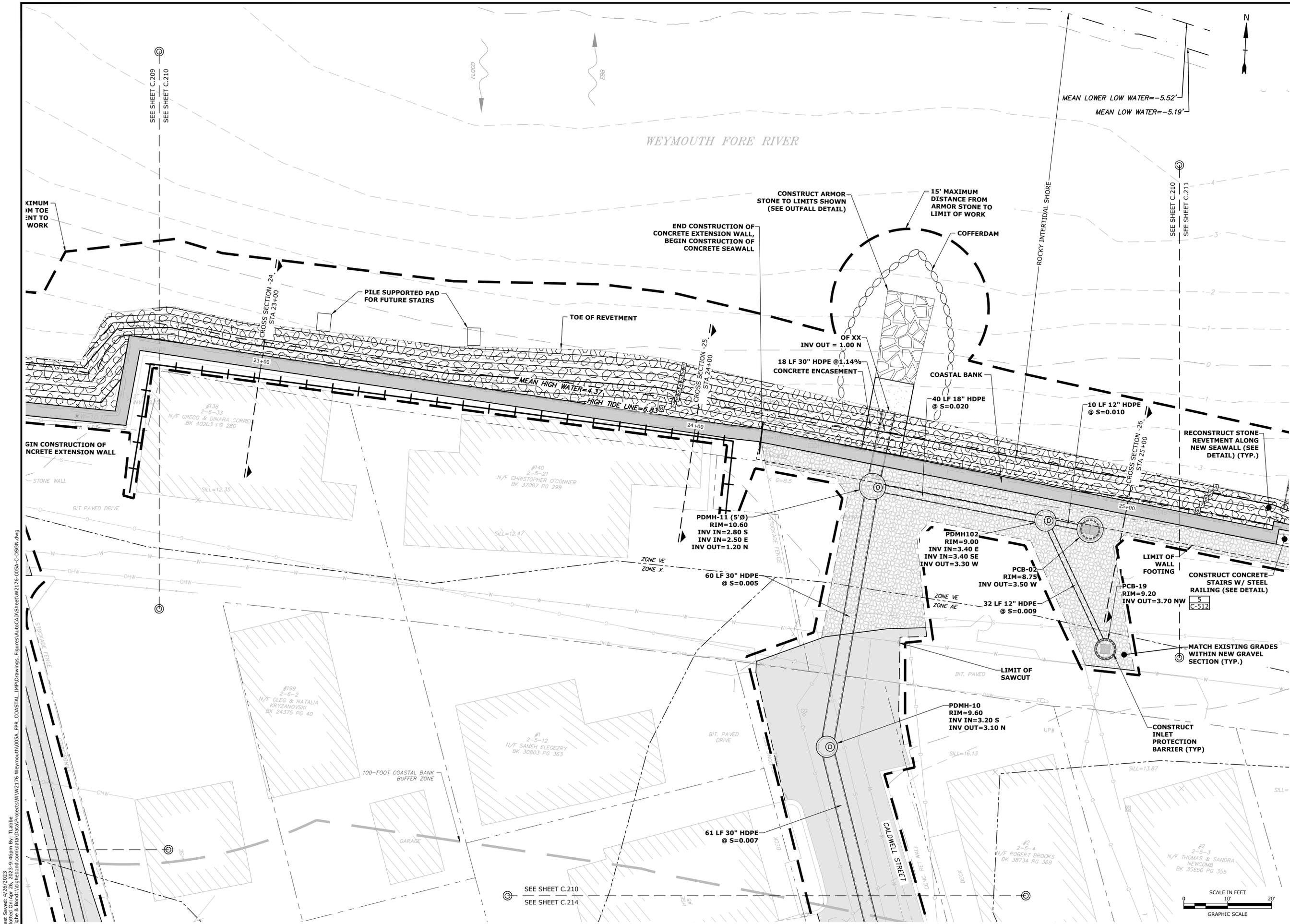
Weymouth,
Massachusetts

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DATE:	January 3, 2023	
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DRAWN BY:	TAL/MKF/CJK	
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APPROVED:	FJH	

**PROPOSED
CONDITIONS PLAN**

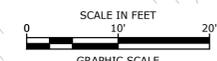
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C.210



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SEE SHEET C.210
SEE SHEET C.214





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**Weymouth Neck
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Improvements
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Town of
Weymouth, MA

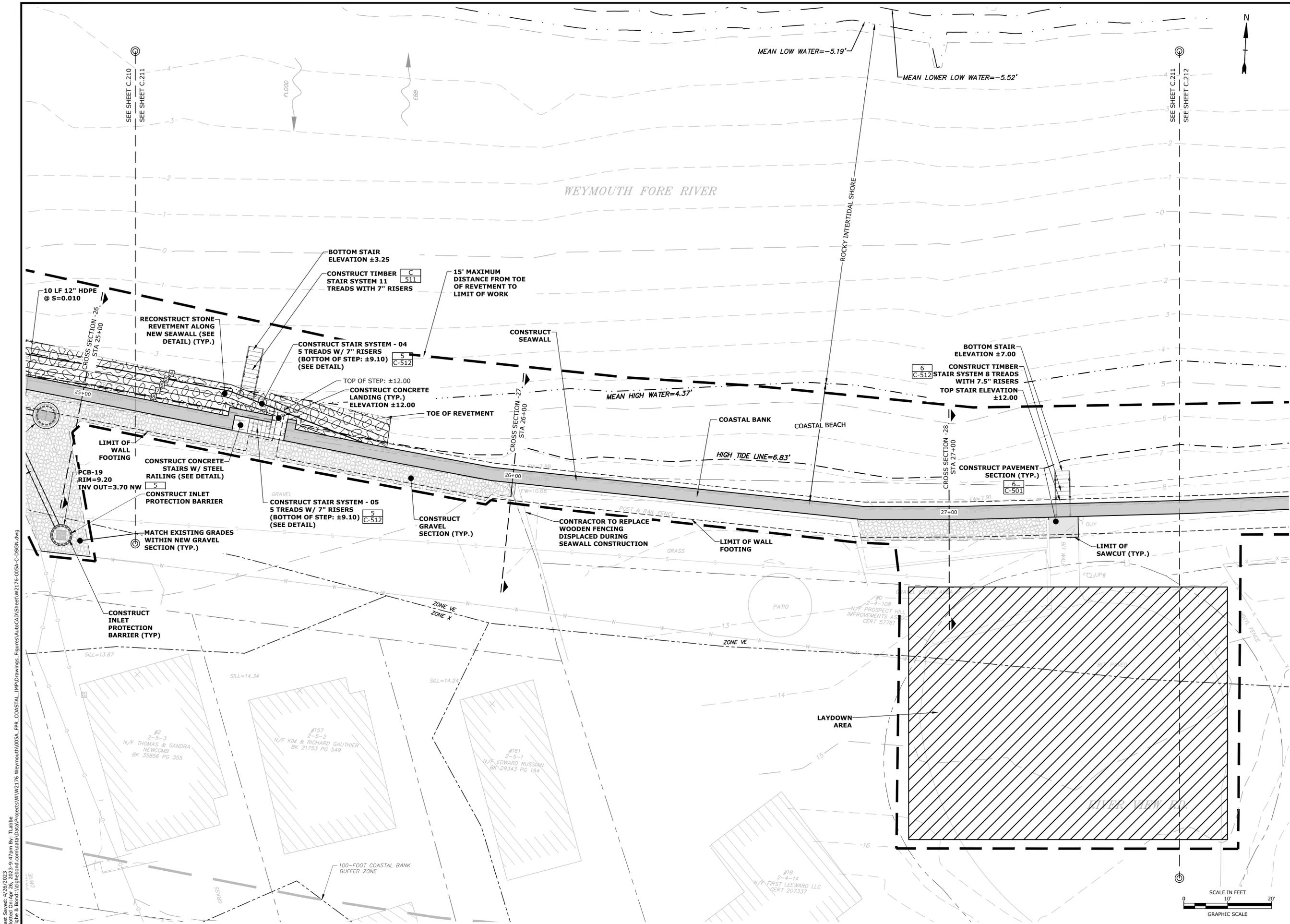
Weymouth,
Massachusetts

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

**PROPOSED
CONDITIONS PLAN**

SCALE: AS SHOWN

C.211



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Weymouth Neck Infrastructure Improvements Project

Town of Weymouth, MA

Weymouth, Massachusetts

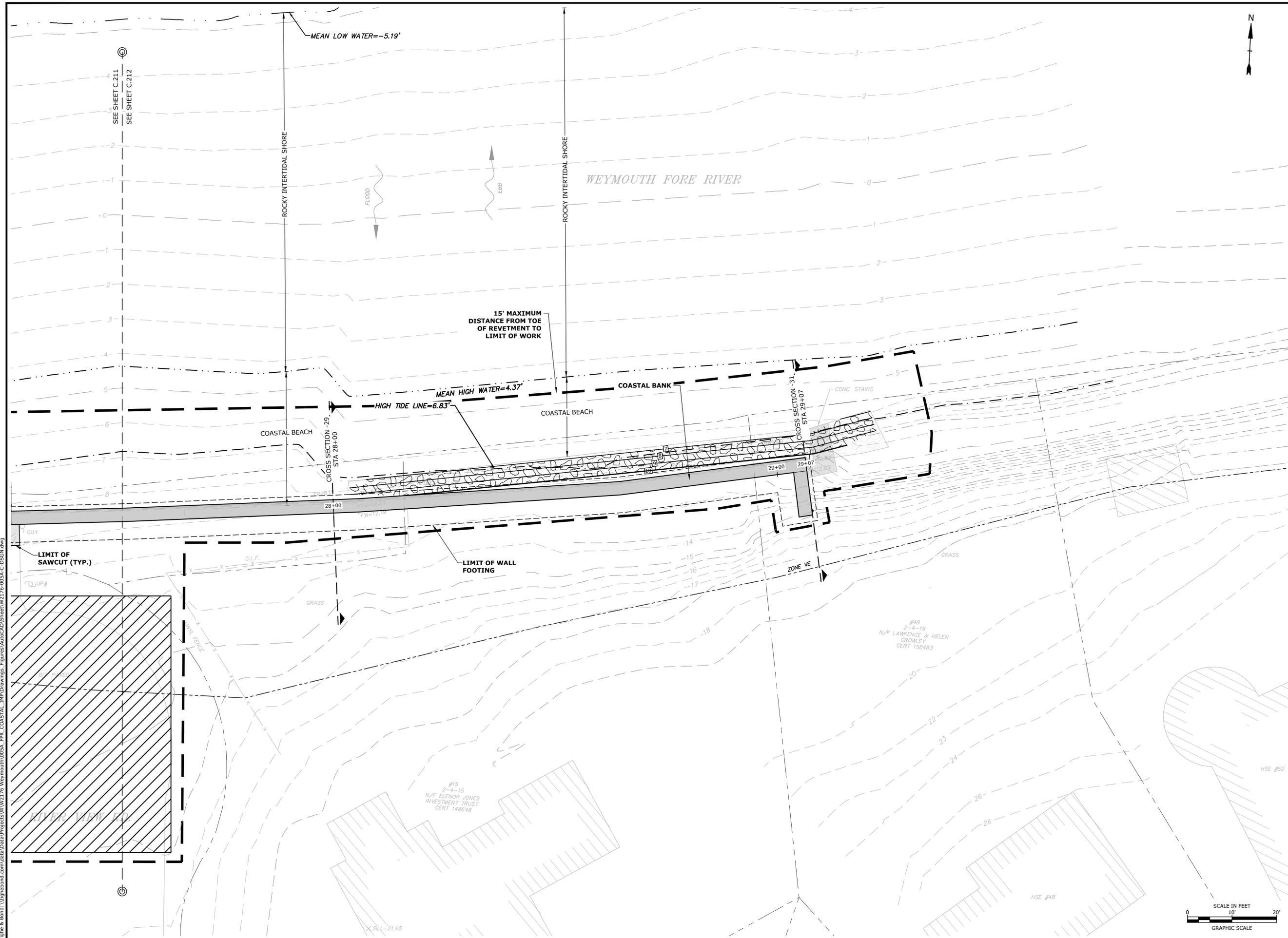
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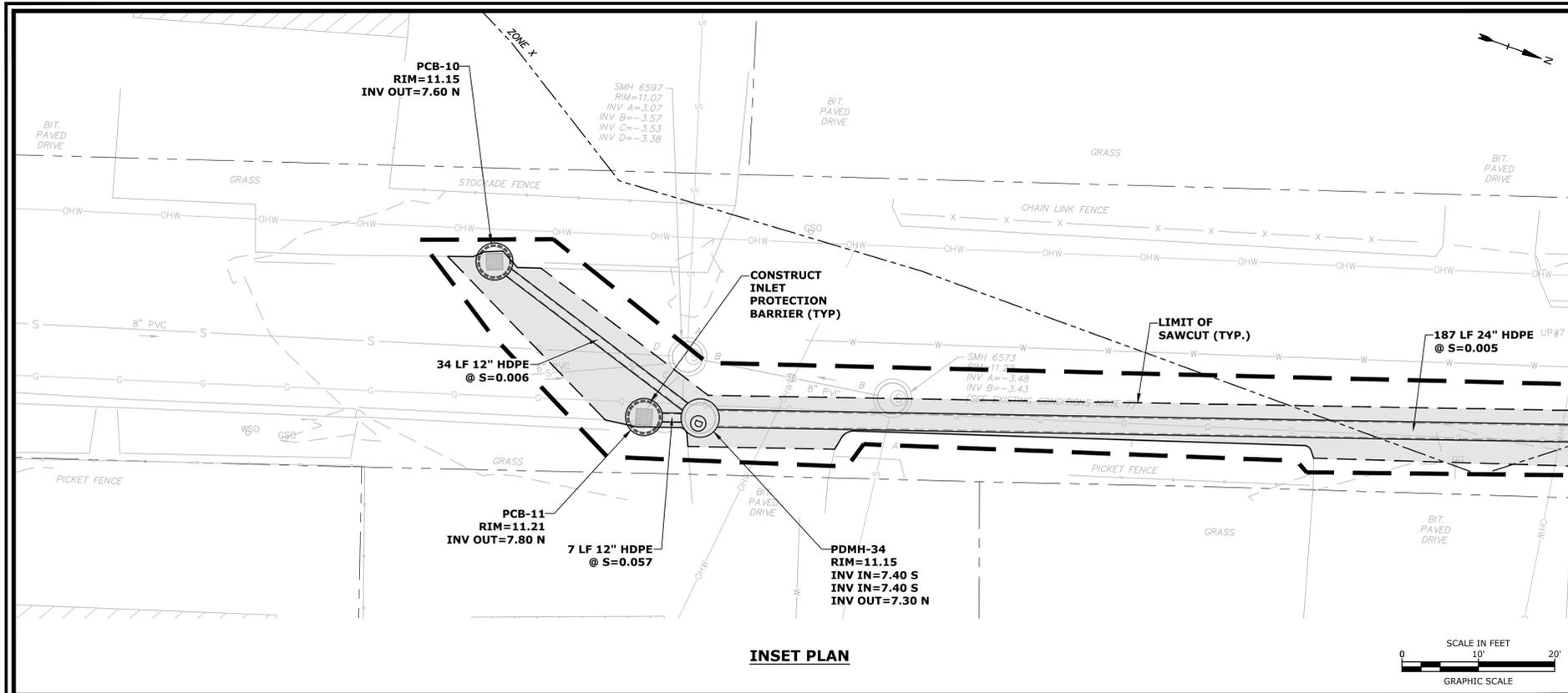
PROPOSED CONDITIONS PLAN

SCALE: AS SHOWN

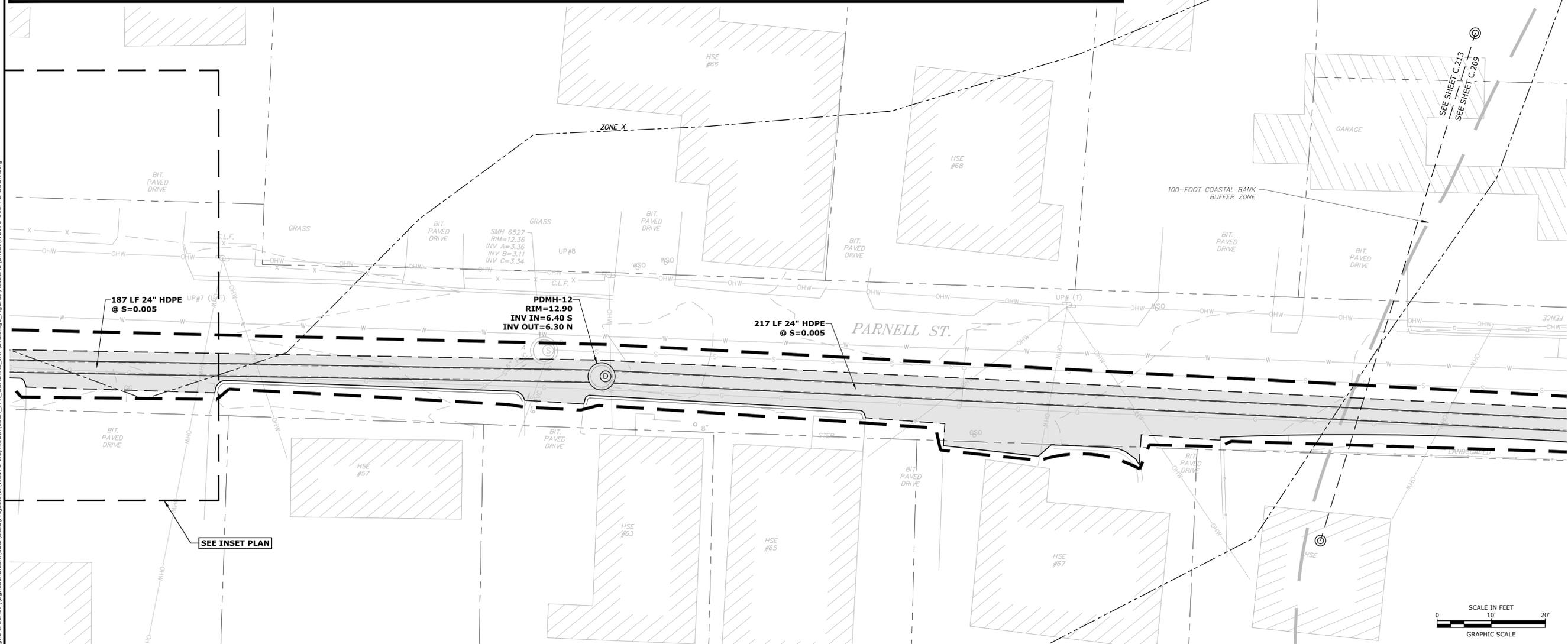
C.212



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INSET PLAN



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Town of
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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.213



4/27/23

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**Weymouth Neck
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Improvements
Project**

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Weymouth, MA

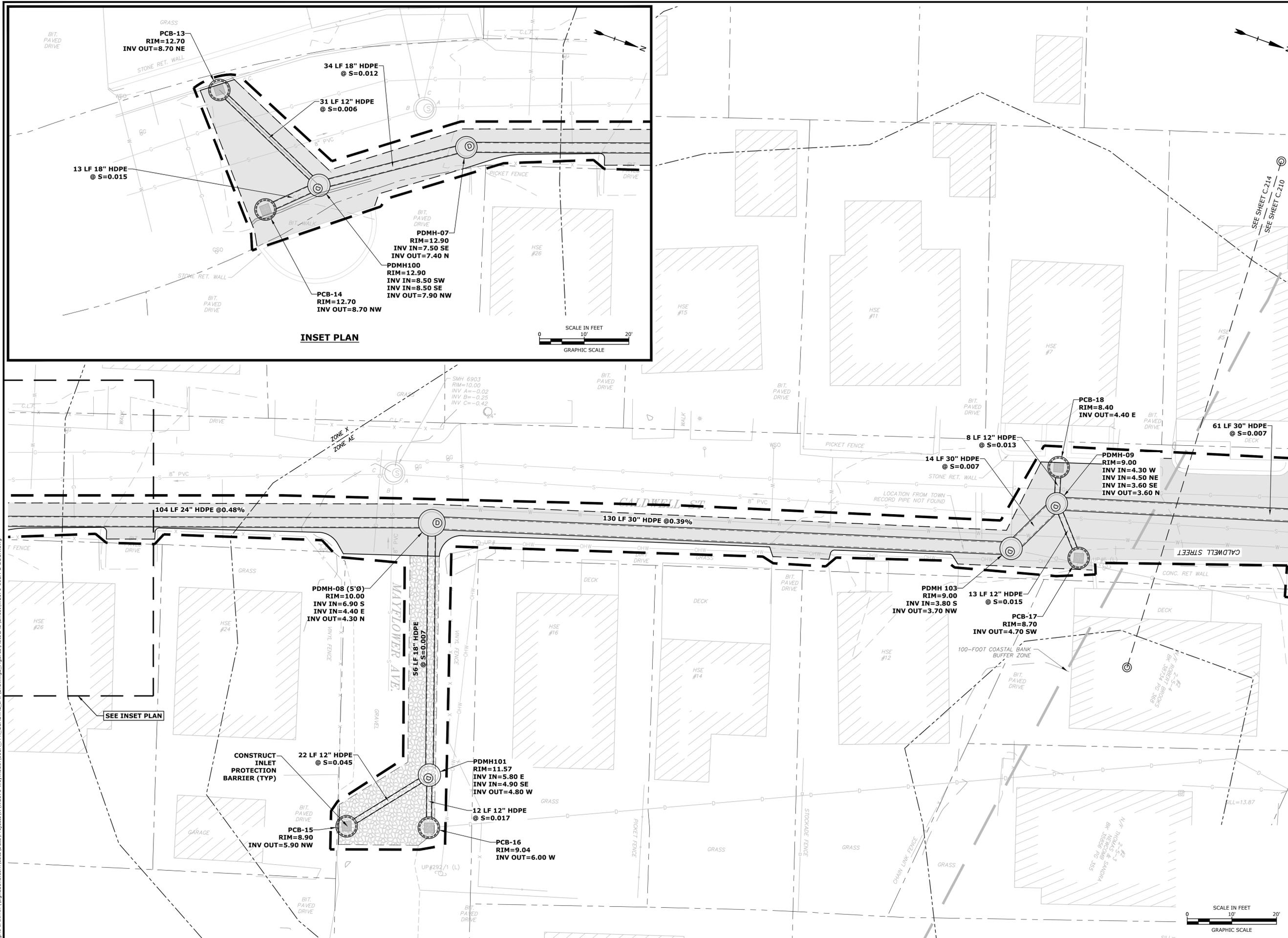
Weymouth,
Massachusetts

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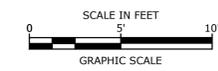
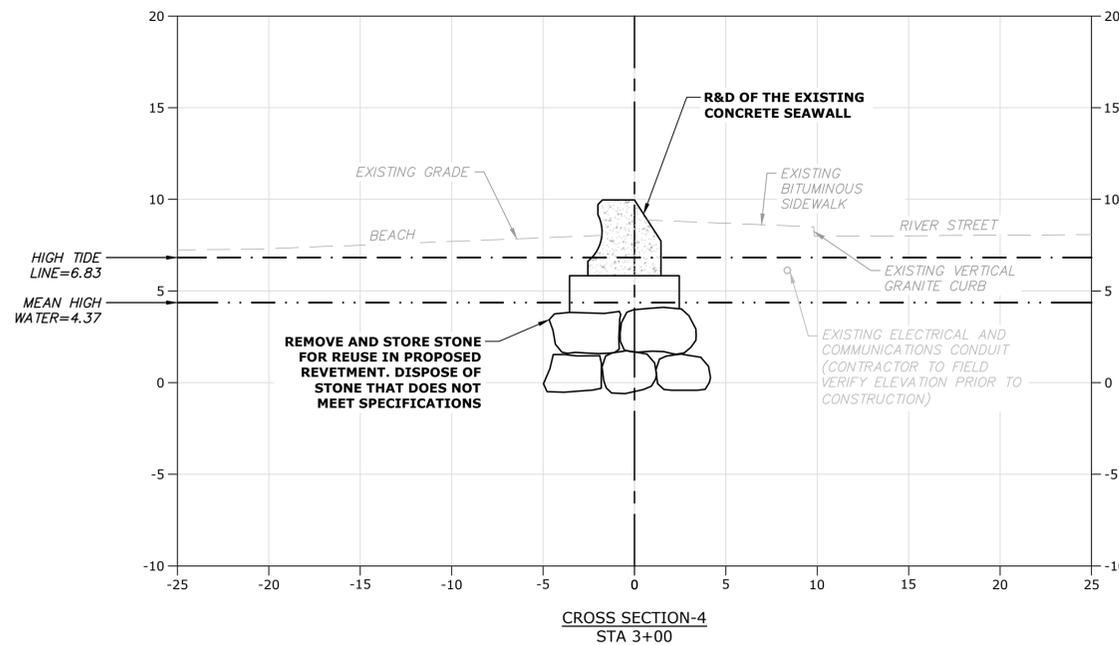
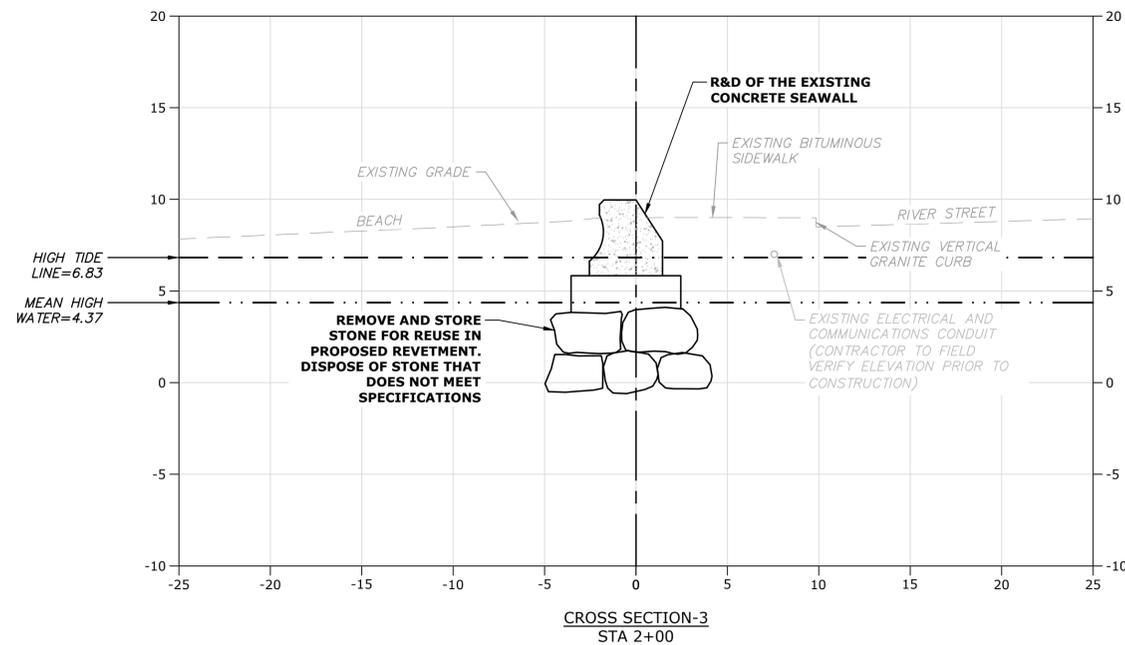
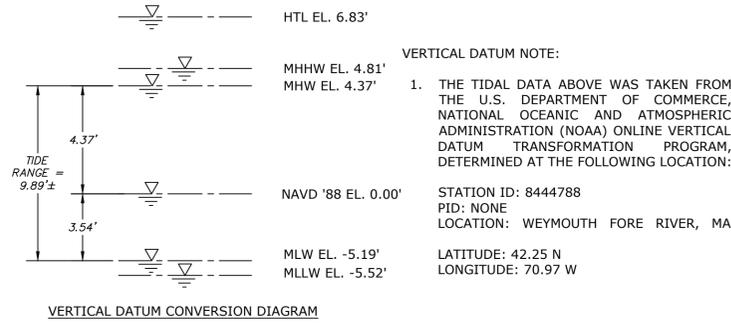
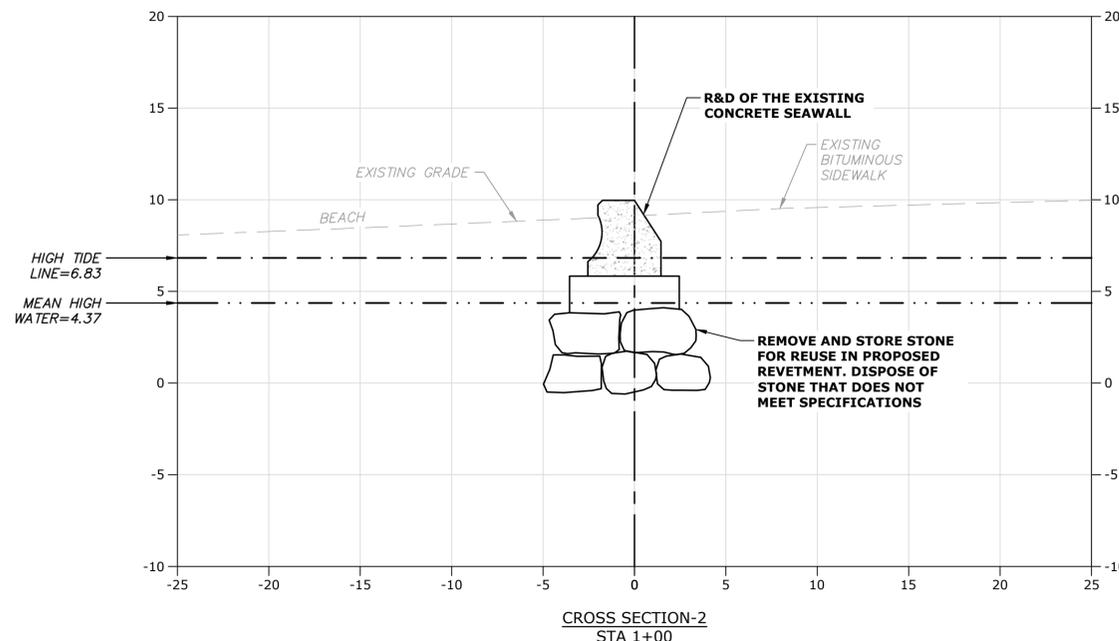
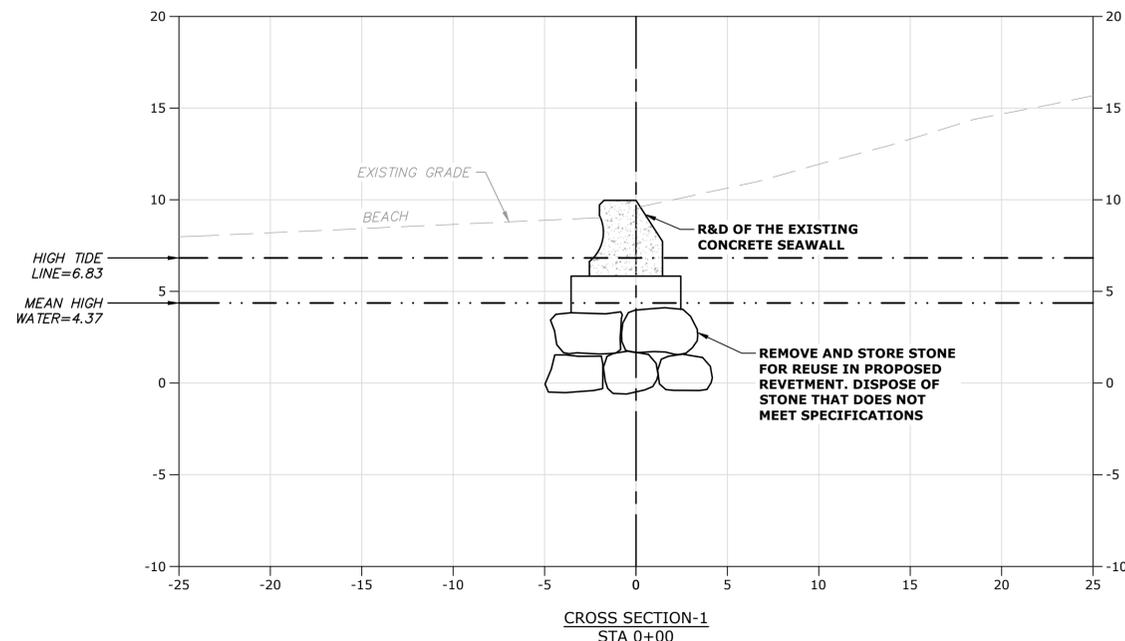
**PROPOSED
CONDITIONS PLAN**

SCALE: AS SHOWN

C.214



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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	
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CHECKED:	DGM	
APPROVED:	FJH	

EXISTING CROSS-SECTIONS - 1

SCALE: AS SHOWN

C.301

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**Weymouth Neck
Infrastructure
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Town of
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Massachusetts

MARK	DATE	DESCRIPTION

PROJECT NO: W2176-005A

DATE: January 3, 2023

FILE: W2176-005A-C-DSGN.dwg

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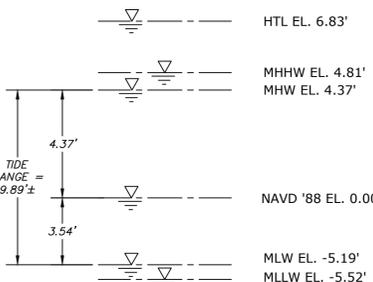
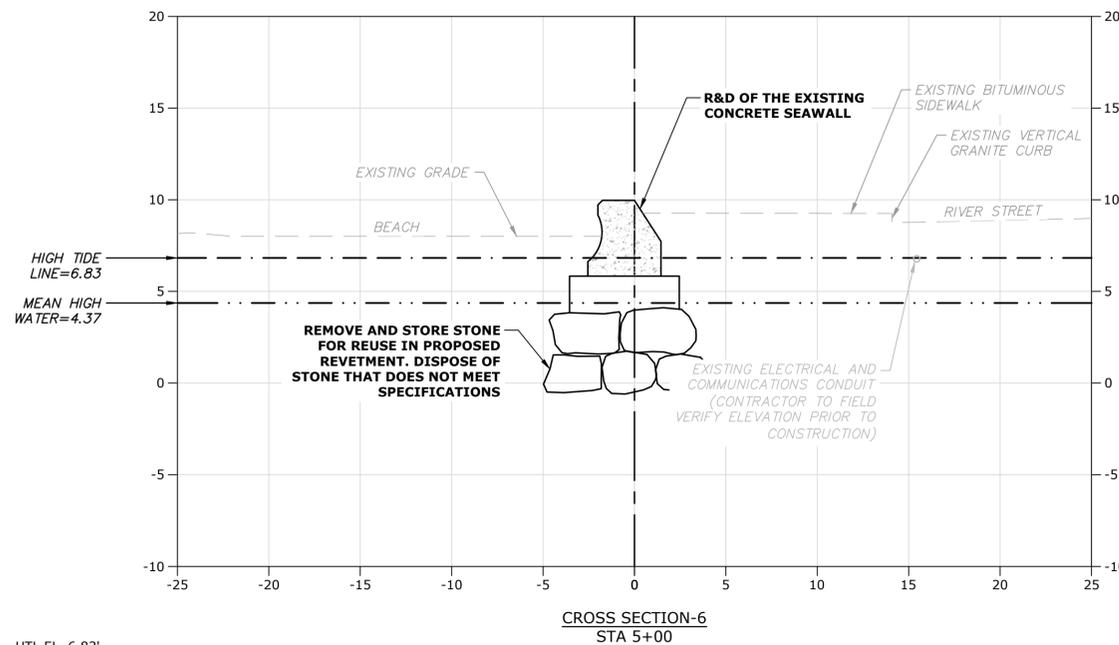
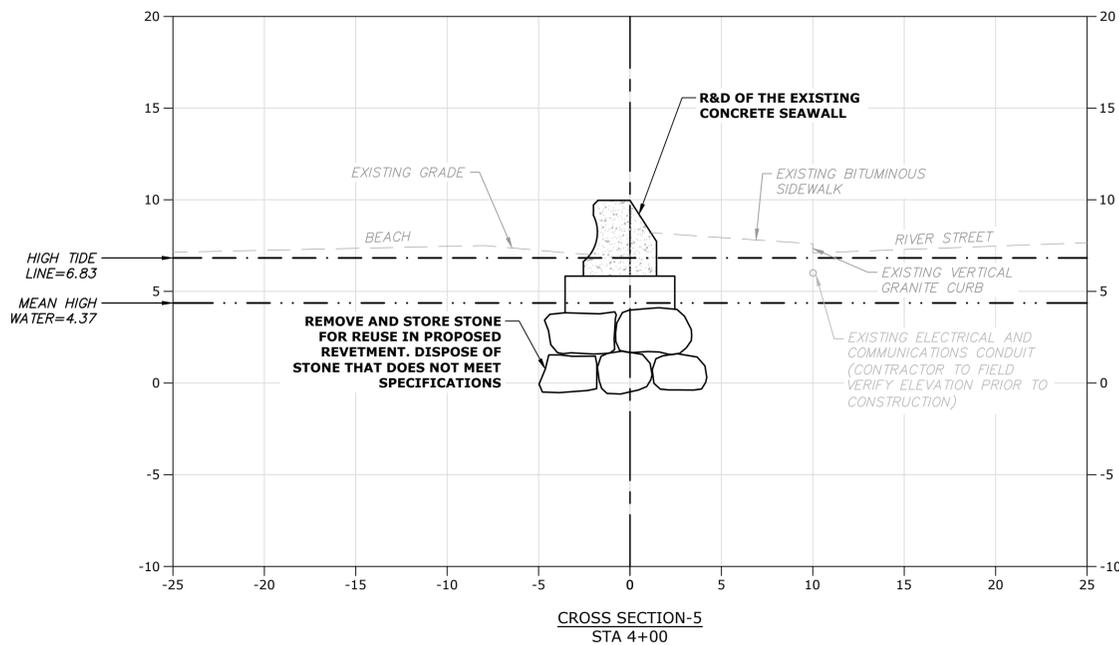
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APPROVED: FJH

**EXISTING
CROSS-SECTIONS - 2**

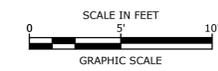
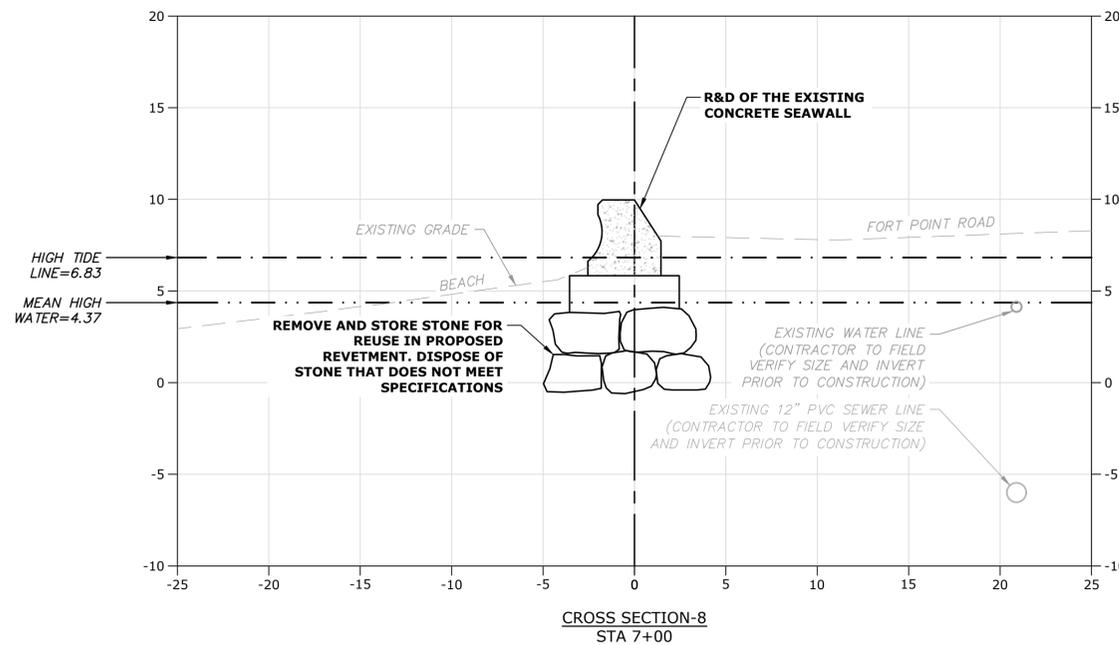
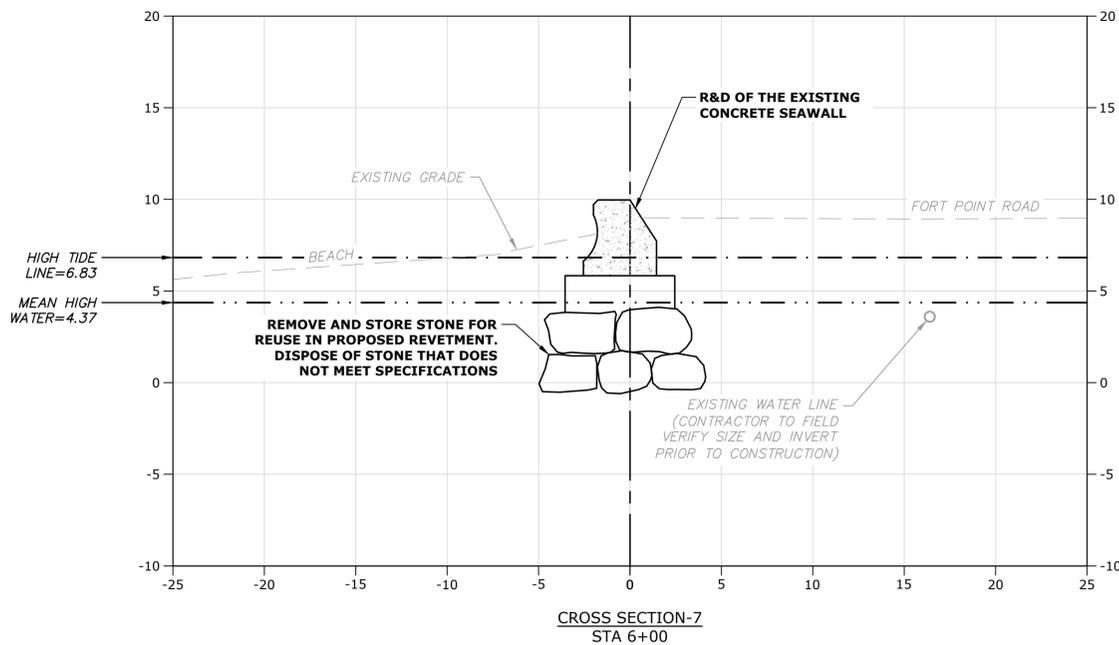
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C.302

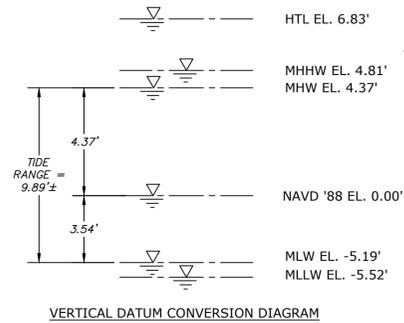
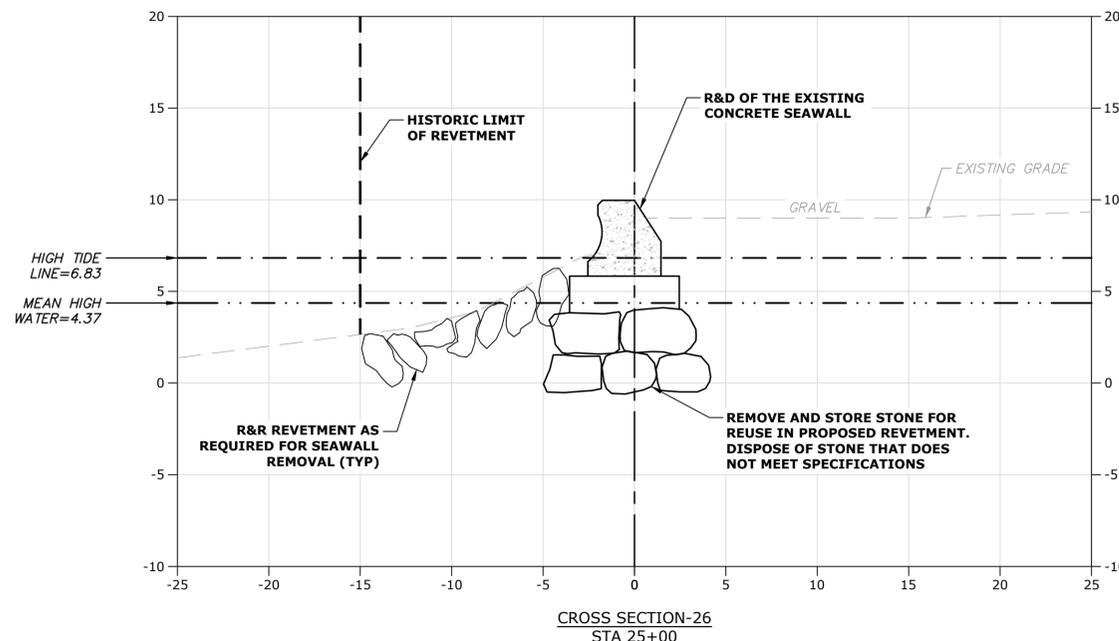
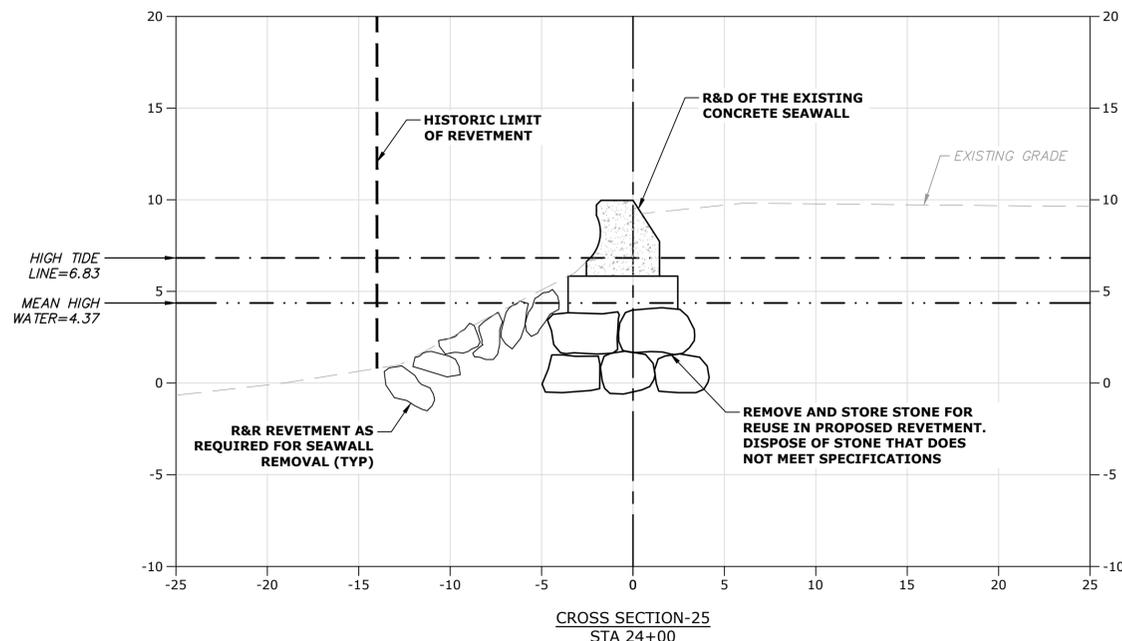


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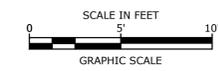
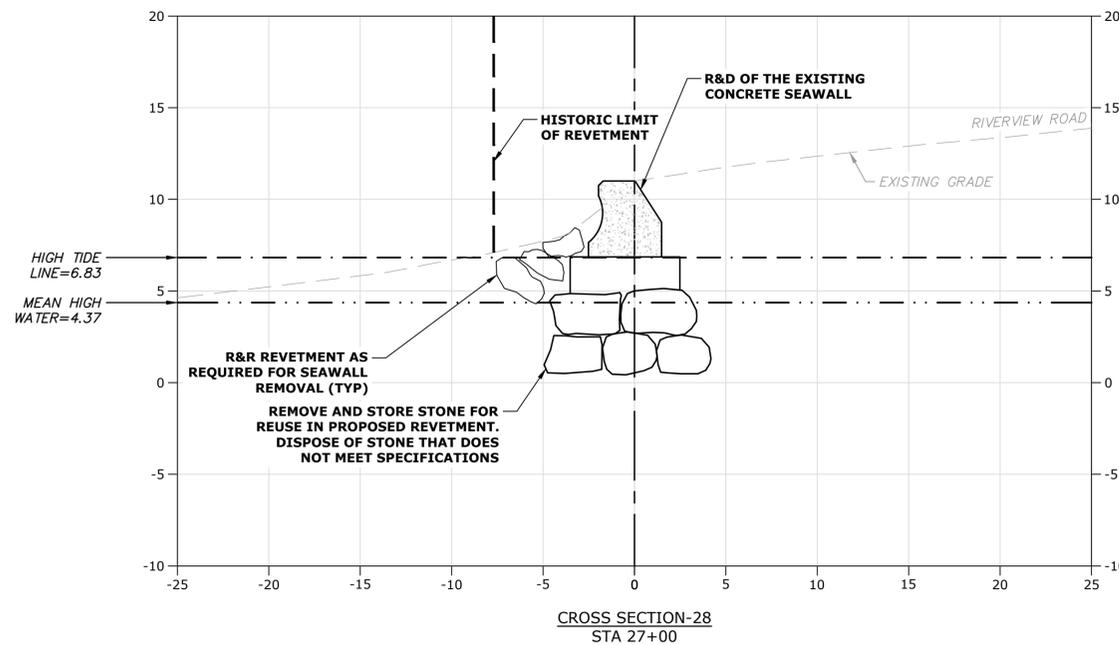
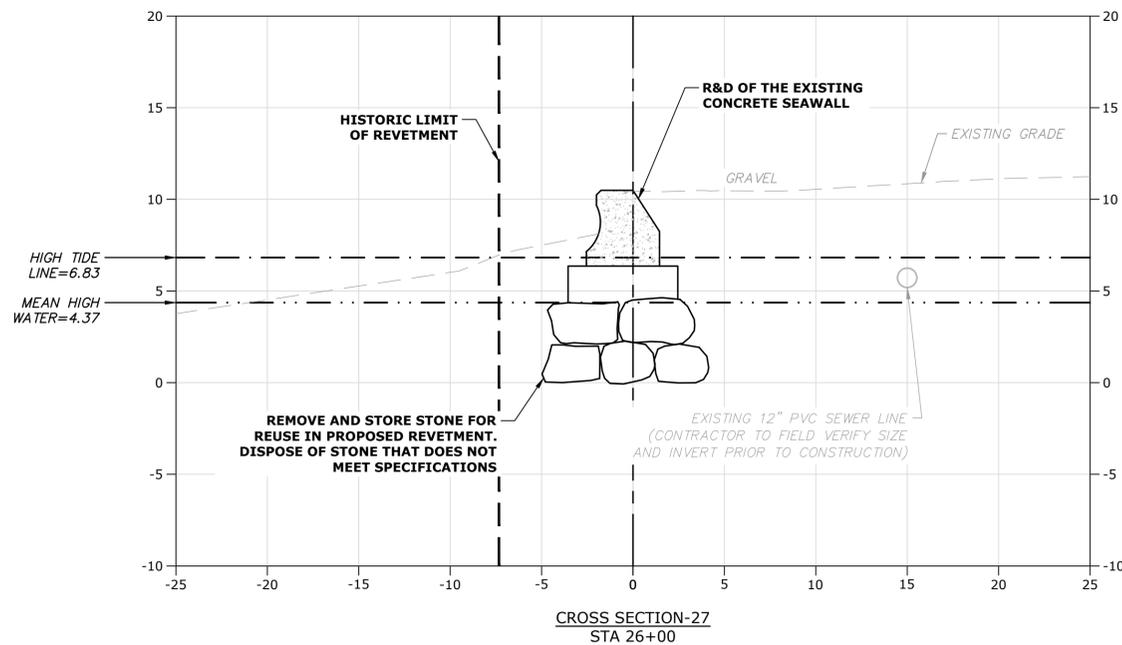
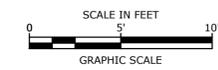
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STATION ID: 8444788
PID: NONE
LOCATION: WEYMOUTH FORE RIVER, MA
LATITUDE: 42.25 N
LONGITUDE: 70.97 W



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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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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
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CHECKED: DGM
APPROVED: FJH

EXISTING CROSS-SECTIONS - 7

SCALE: AS SHOWN

C.307

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**Weymouth Neck
Infrastructure
Improvements
Project**

Town of
Weymouth, MA

Weymouth,
Massachusetts

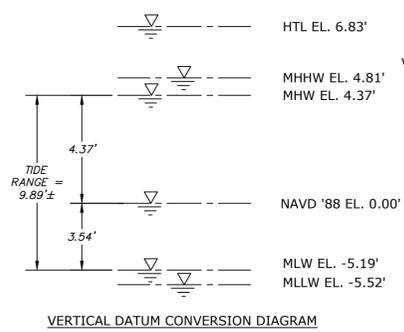
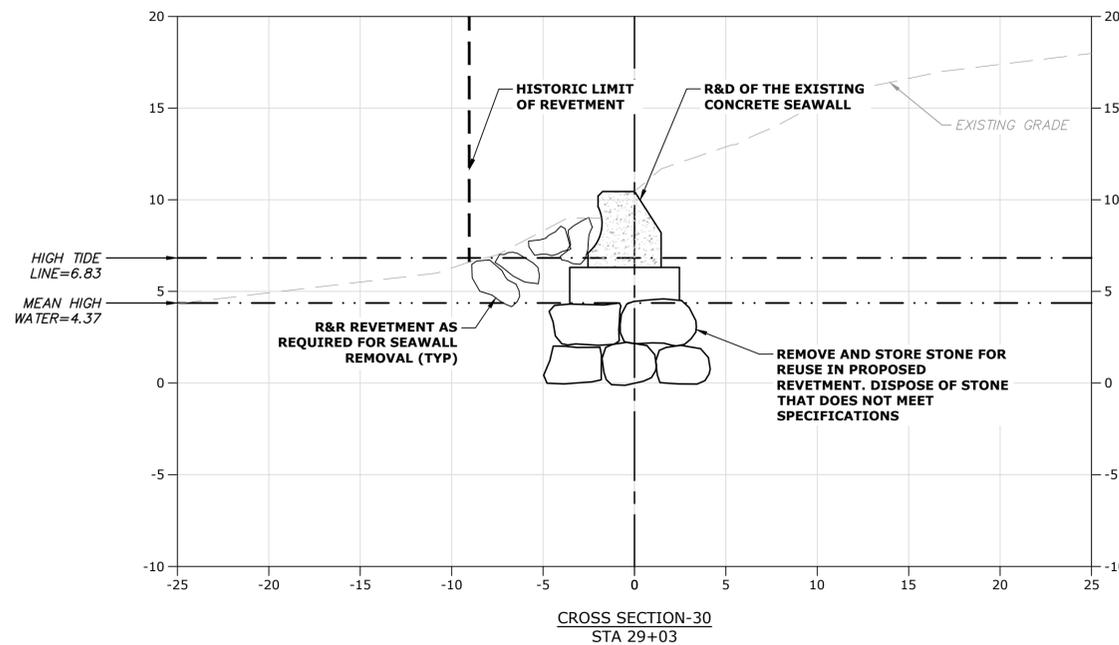
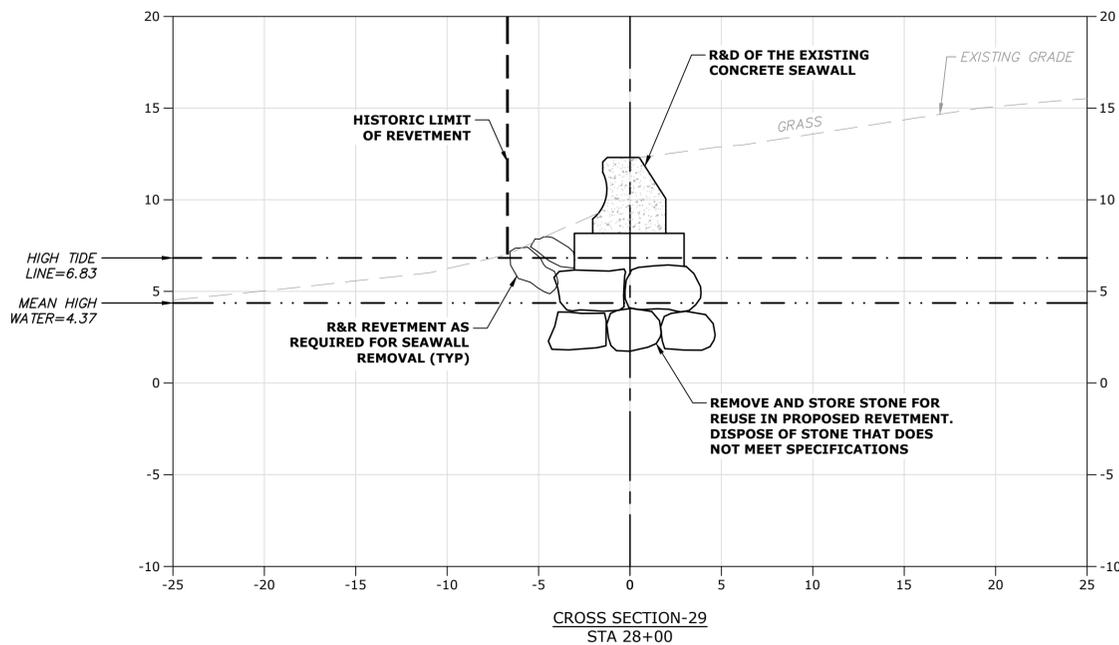
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DATE:	January 3, 2023
FILE:	W2176-005A-C-DSGN.dwg
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APPROVED:	FJH

**EXISTING
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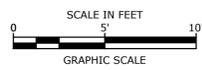
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C.308

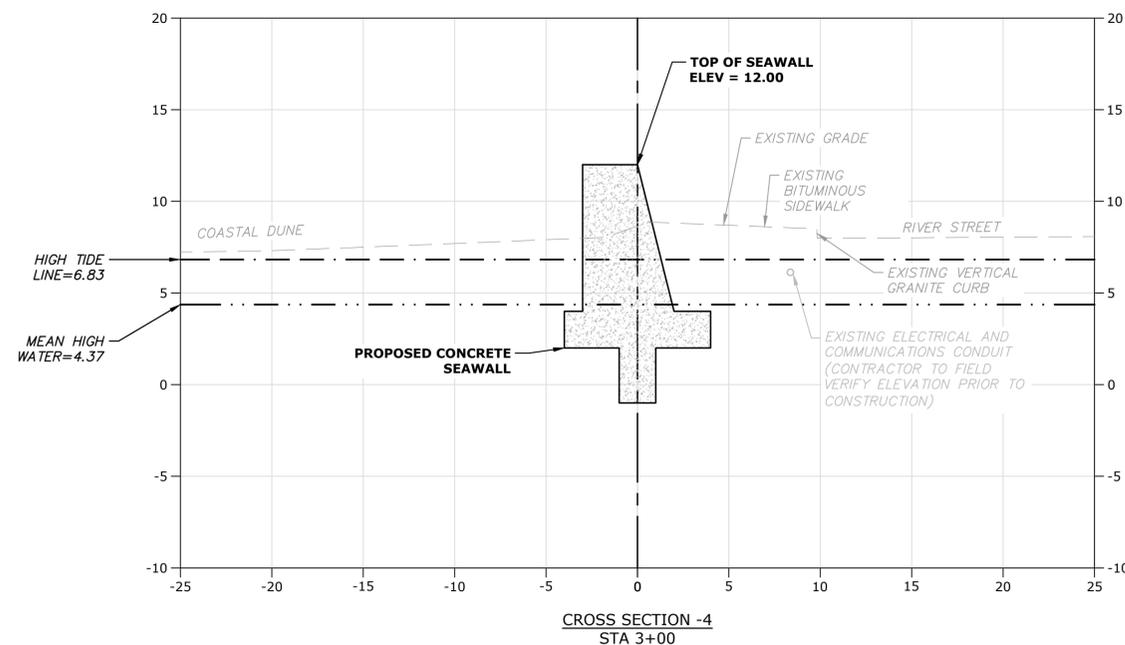
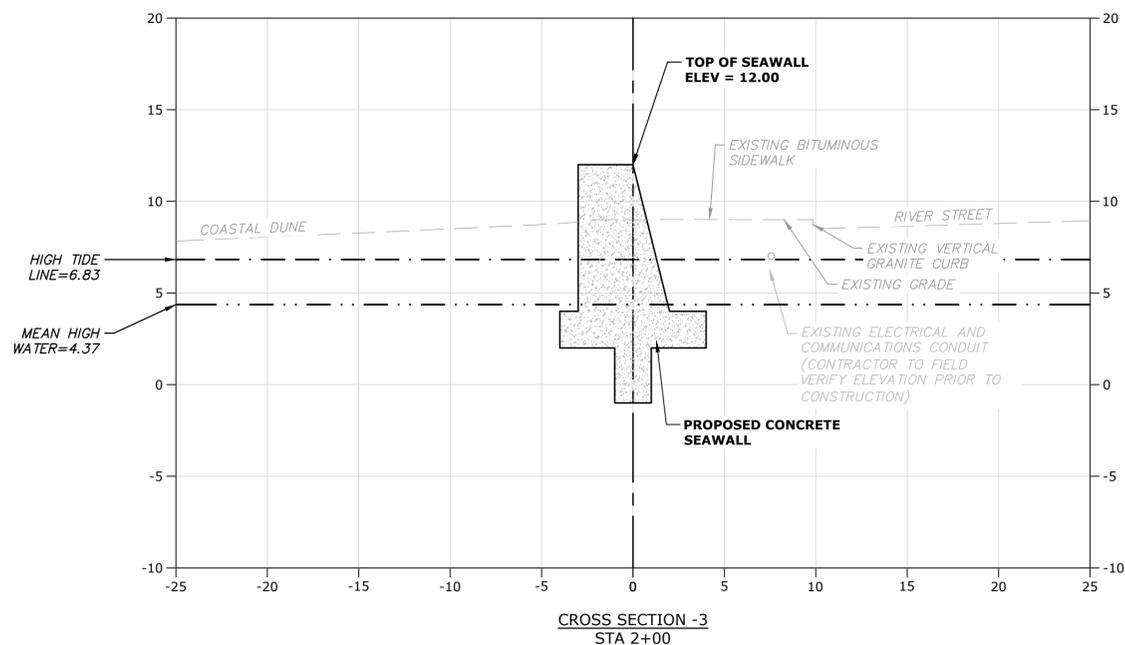
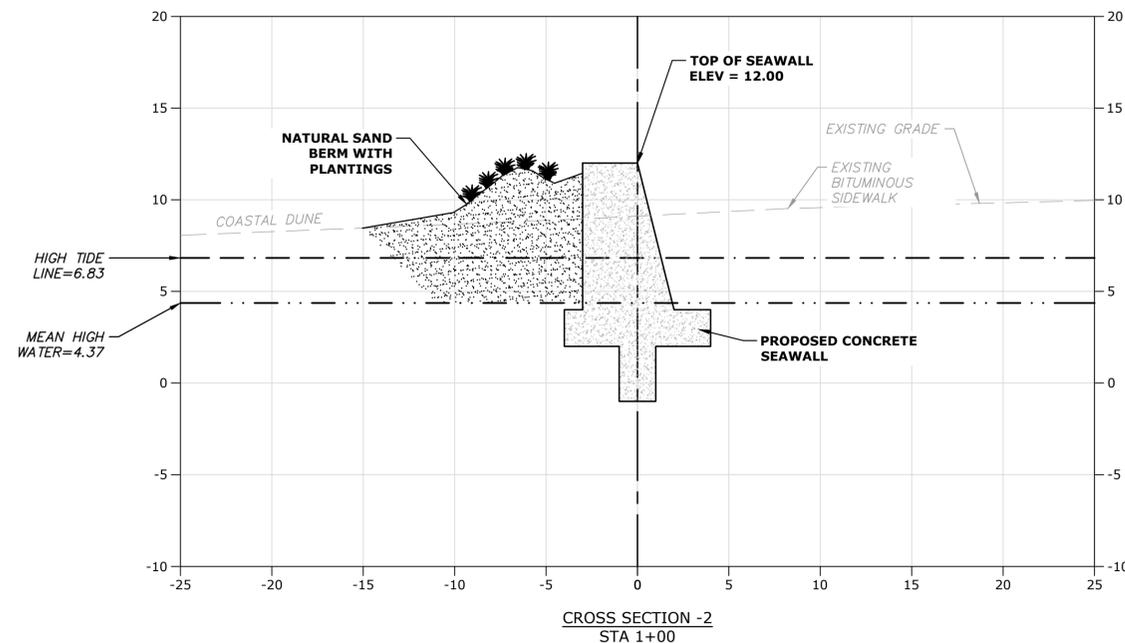
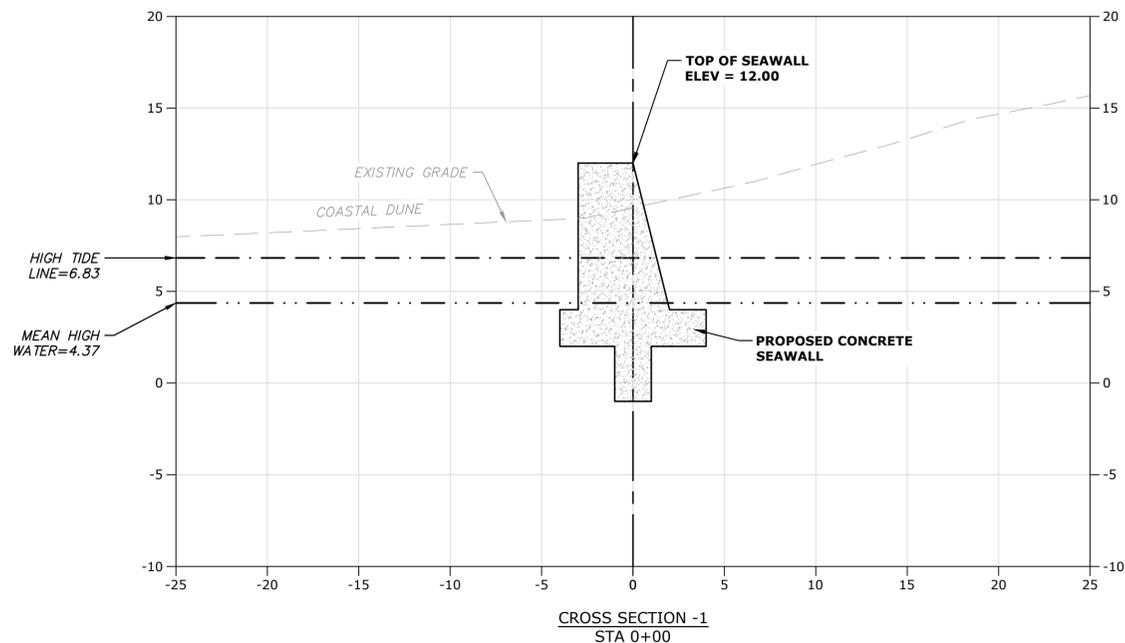


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LOCATION: WEYMOUTH FORE RIVER, MA
LATITUDE: 42.25 N
LONGITUDE: 70.97 W



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Weymouth Neck Infrastructure Improvements Project

Town of Weymouth, MA

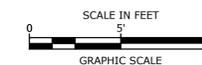
Weymouth, Massachusetts

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

PROPOSED CROSS-SECTIONS - 1

SCALE: AS SHOWN

C.401





DM
4/27/23

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**Weymouth Neck
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Improvements
Project**

Town of
Weymouth, MA

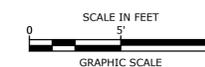
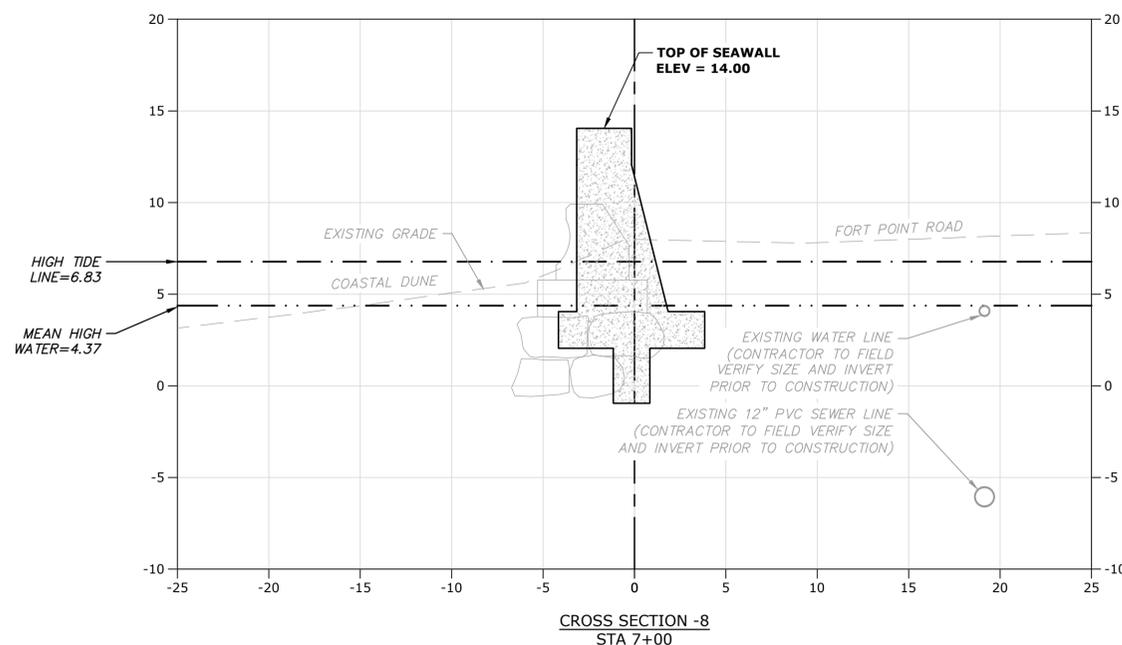
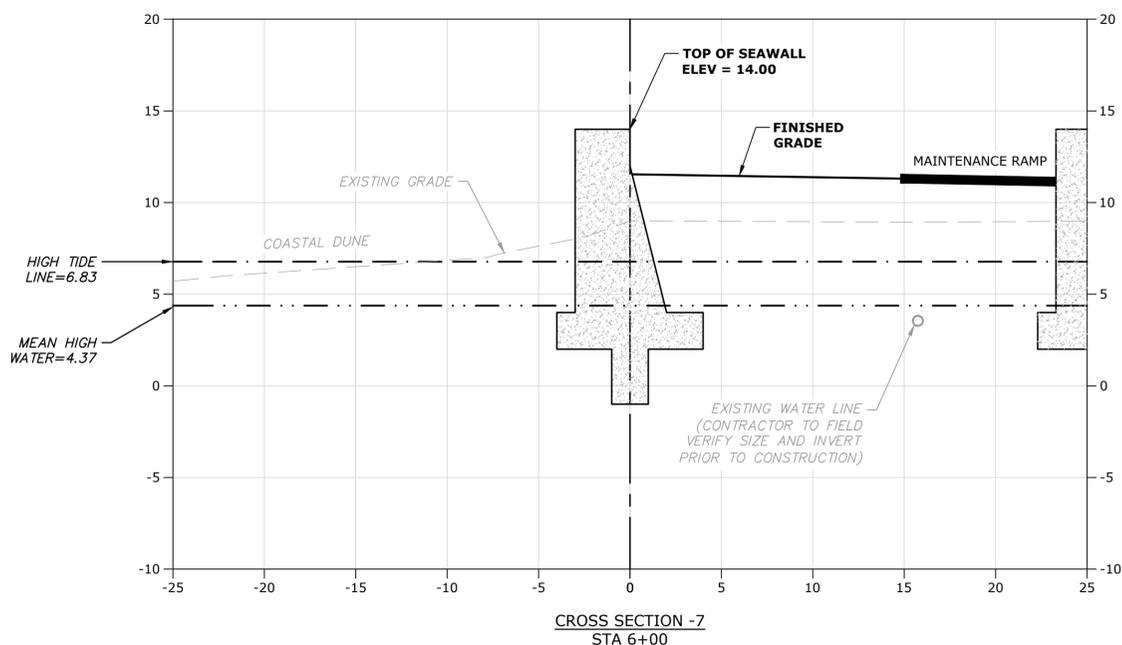
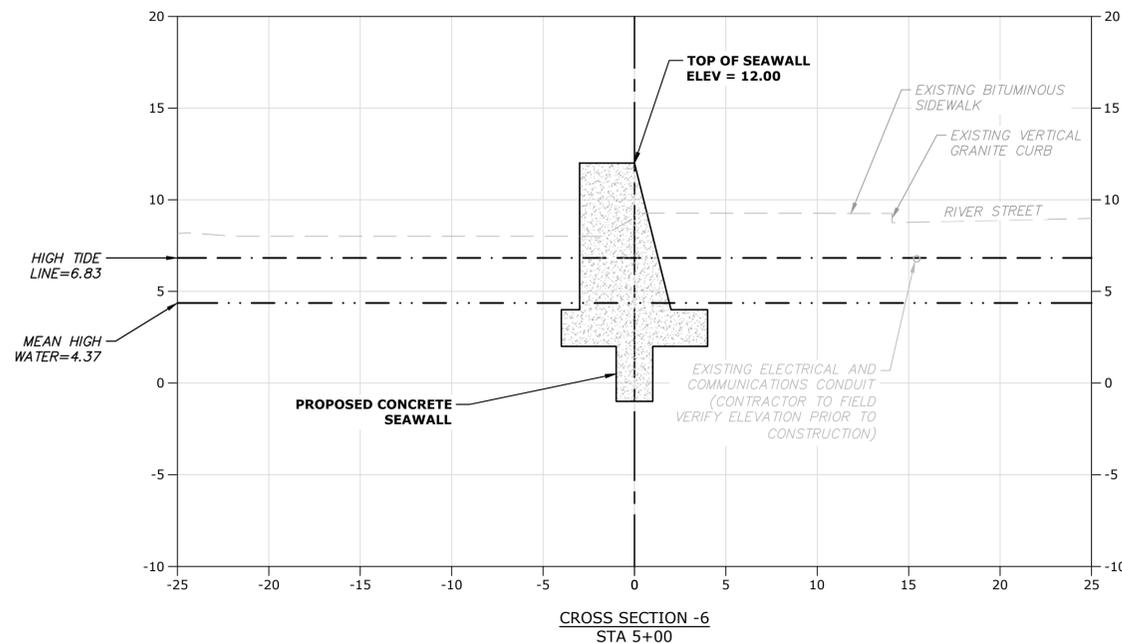
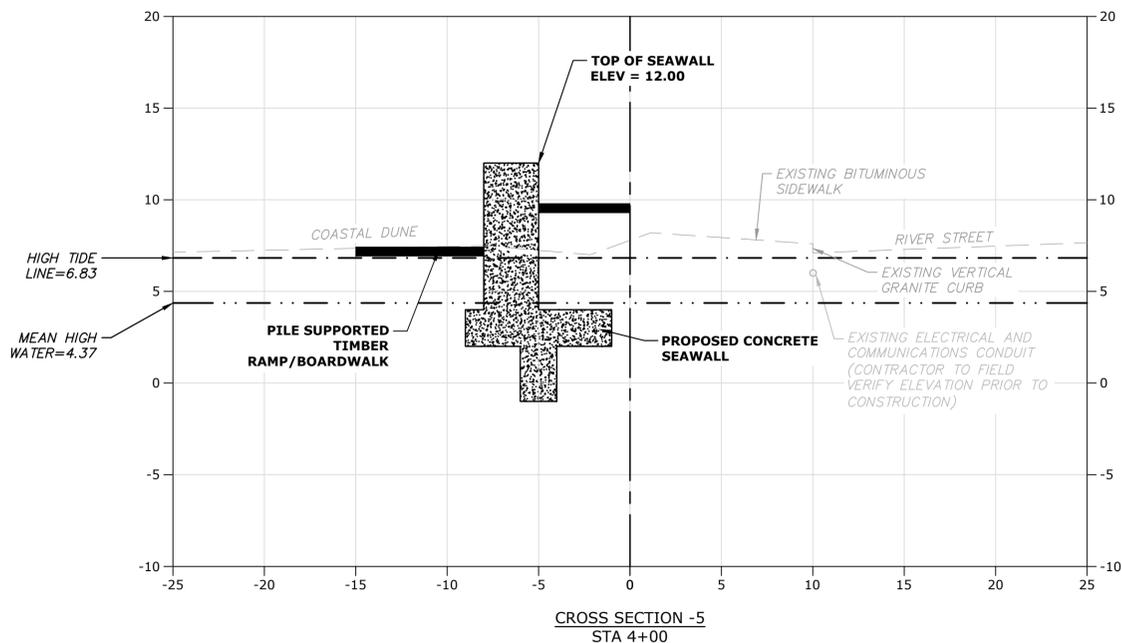
Weymouth,
Massachusetts

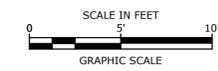
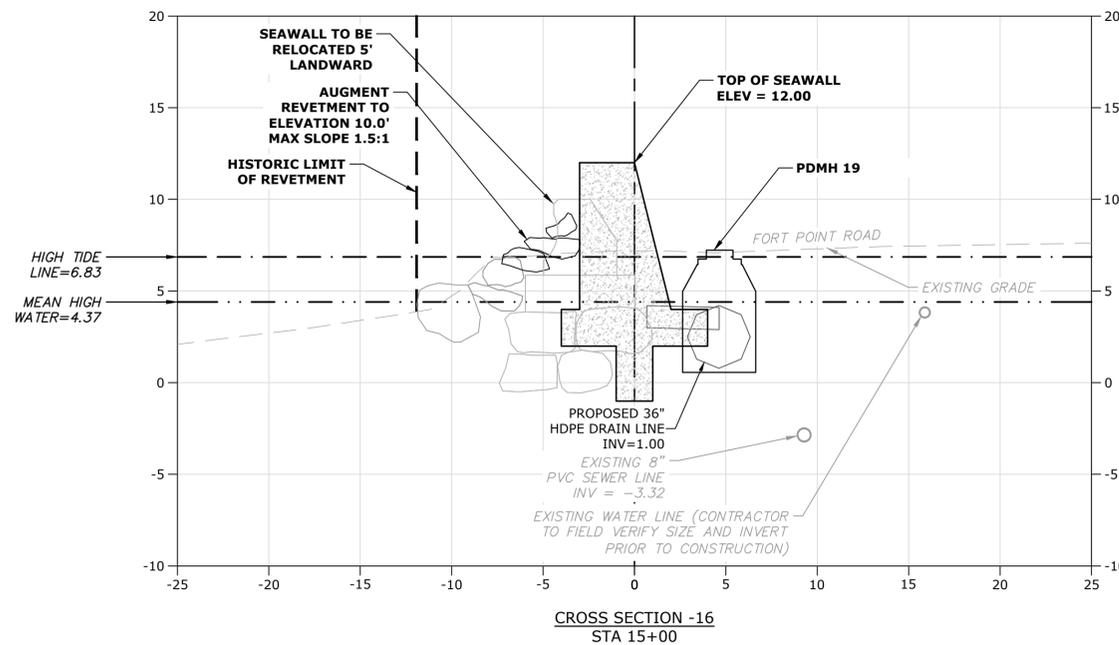
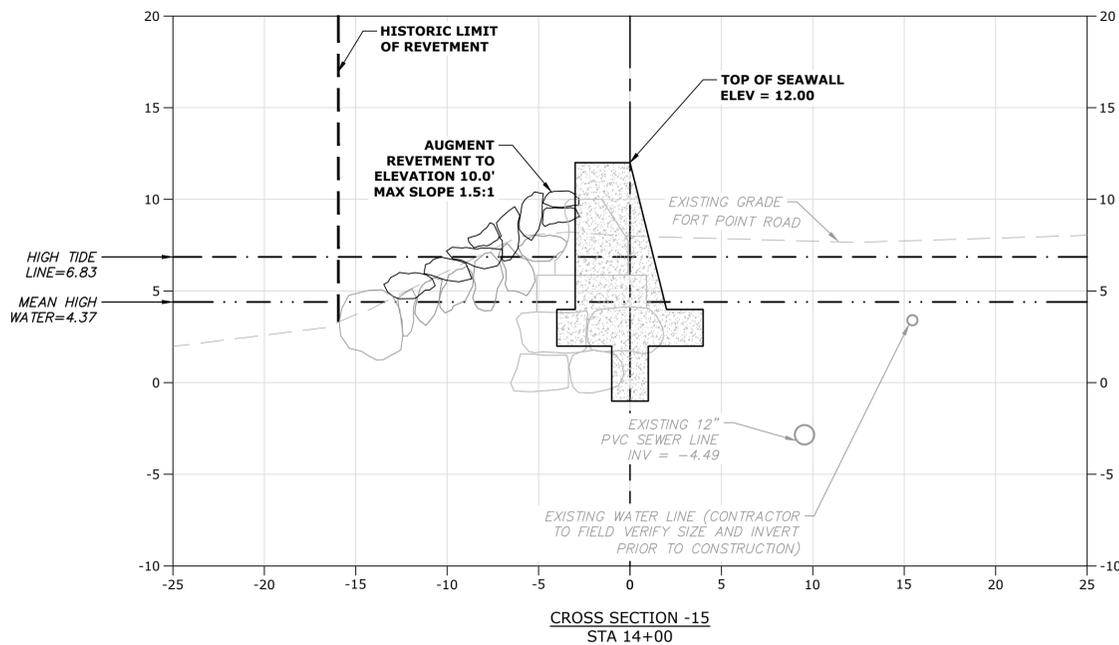
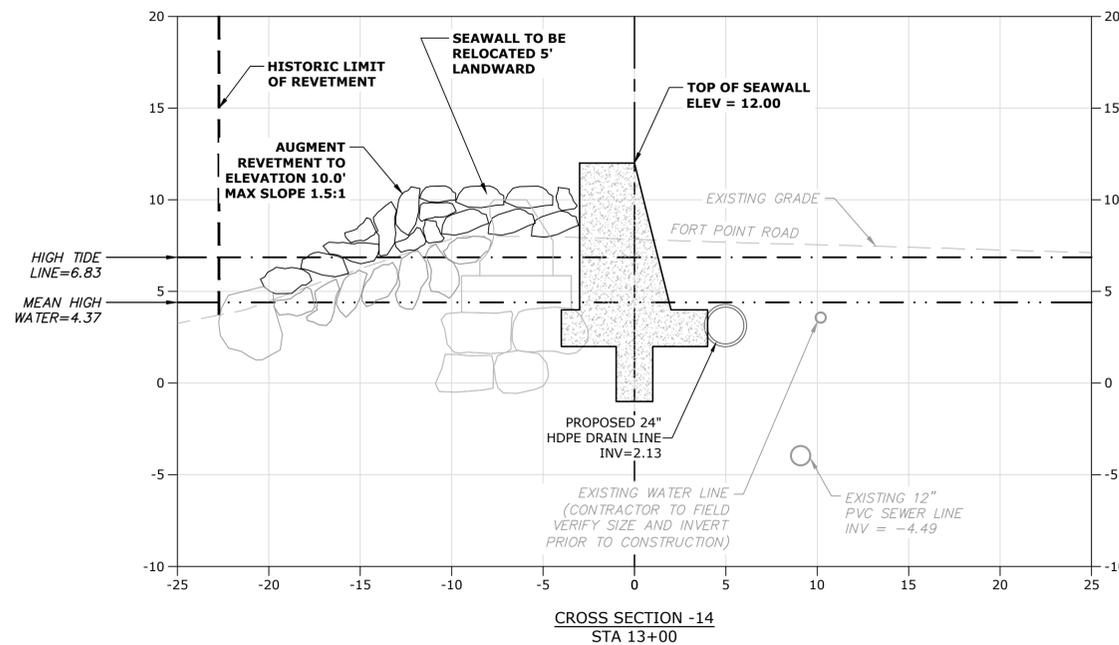
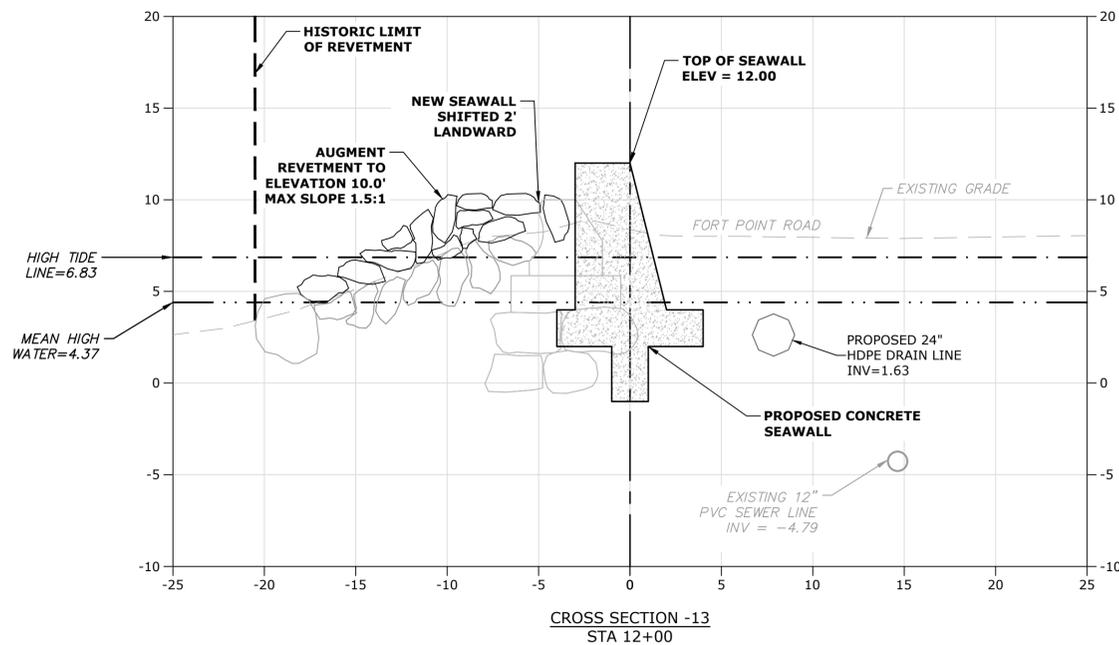
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FILE:	W2176-005A-C-DSGN.dwg	
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APPROVED:	FJH	

**PROPOSED
CROSS-SECTIONS - 2**

SCALE: AS SHOWN

C.402





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Weymouth Neck Infrastructure Improvements Project

Town of Weymouth, MA

Weymouth, Massachusetts

MARK	DATE	DESCRIPTION
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APPROVED:	FJH	

PROPOSED CROSS-SECTIONS - 4

SCALE: AS SHOWN

C.404

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Weymouth Neck Infrastructure Improvements Project

Town of Weymouth, MA

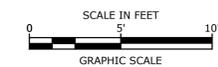
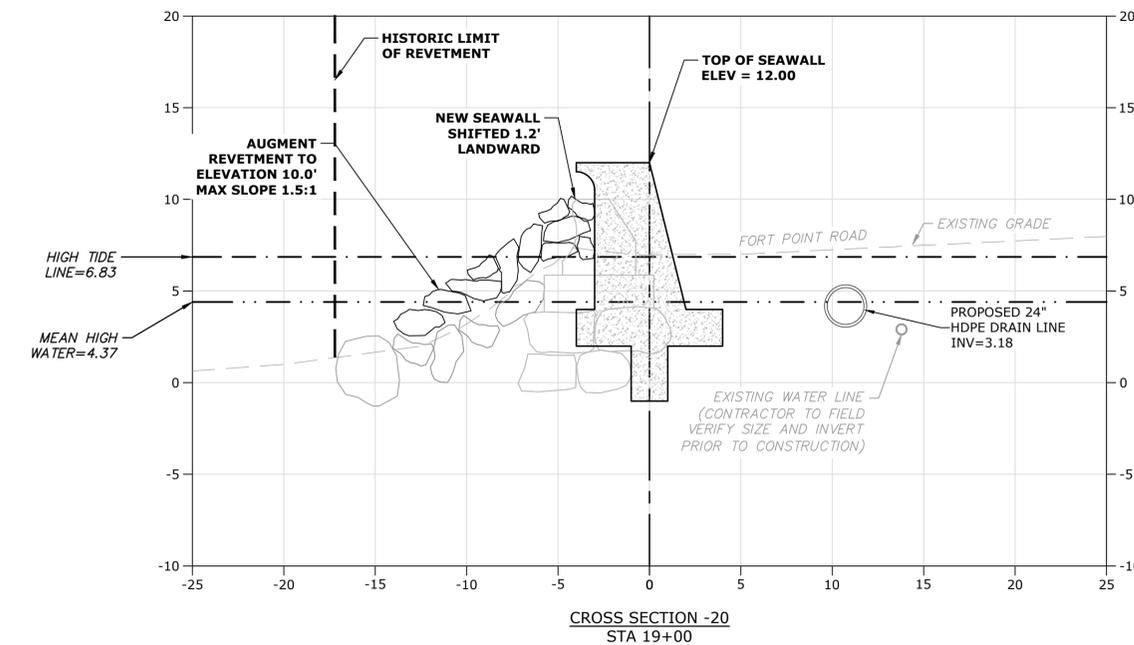
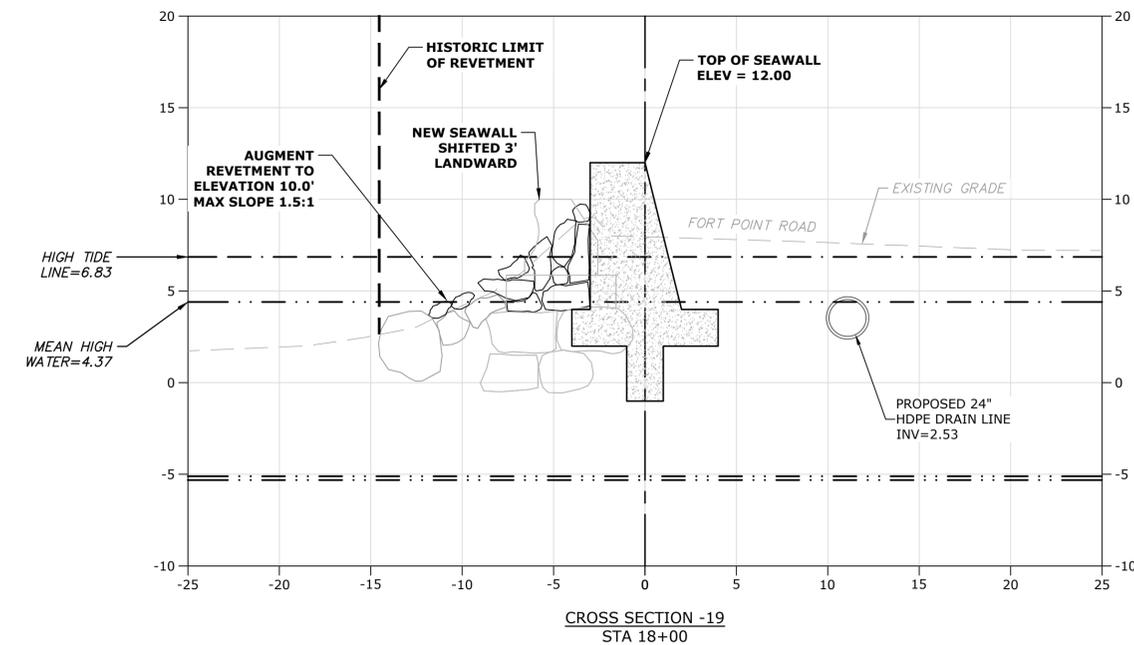
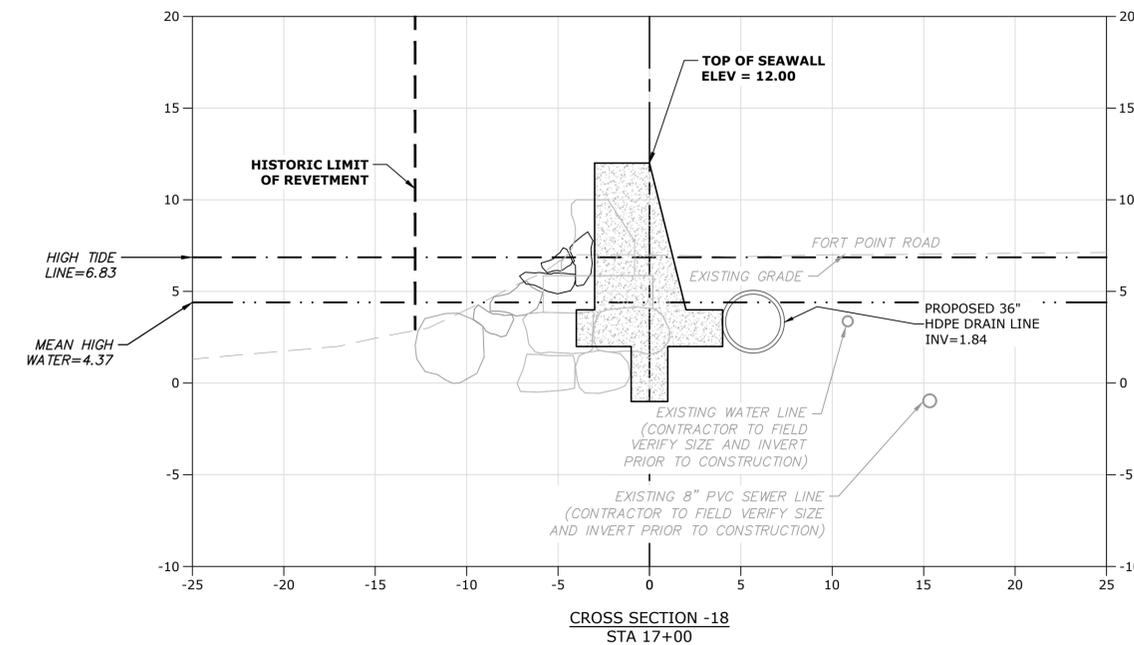
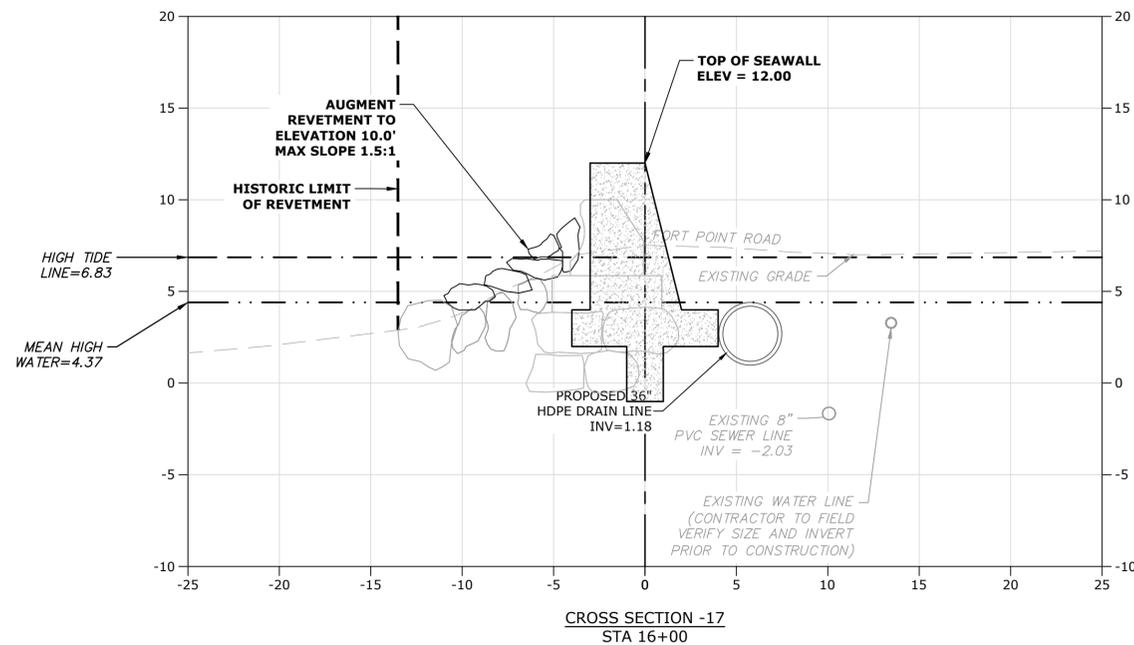
Weymouth, Massachusetts

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

PROPOSED CROSS-SECTIONS - 5

SCALE: AS SHOWN

C.405



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**Weymouth Neck
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Project**

Town of
Weymouth, MA

Weymouth,
Massachusetts

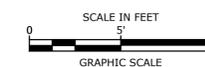
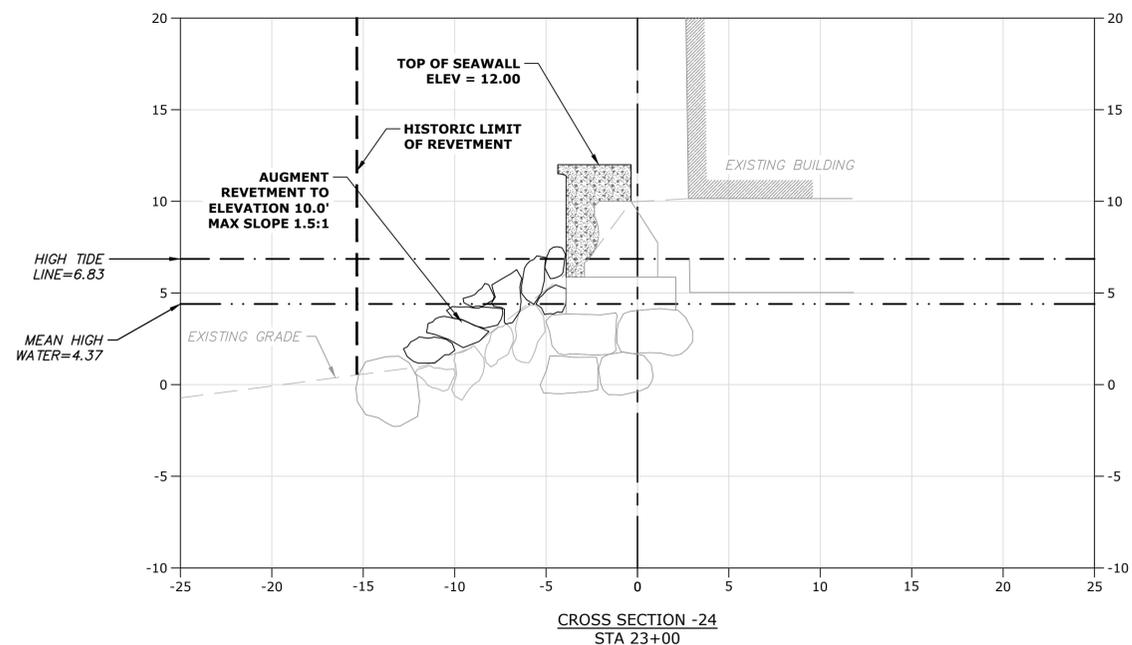
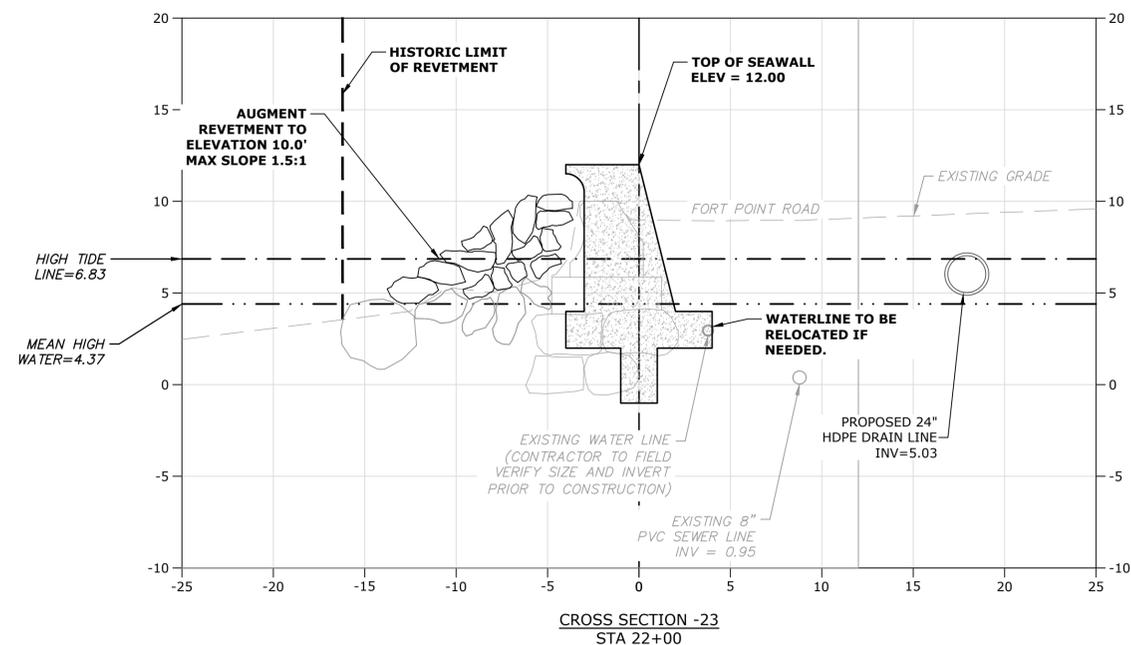
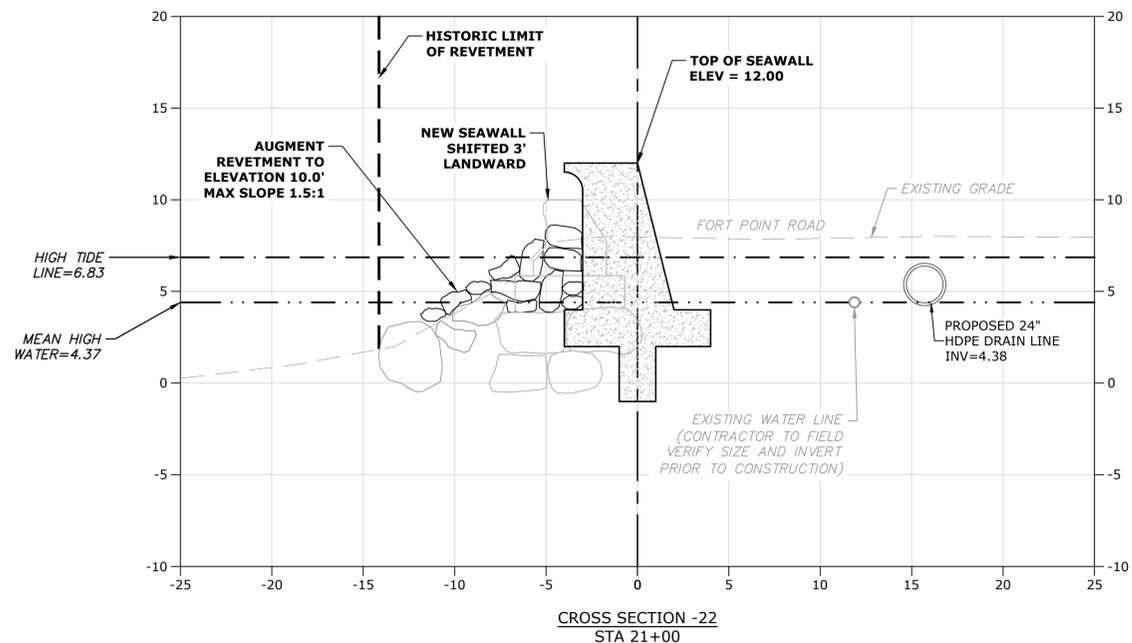
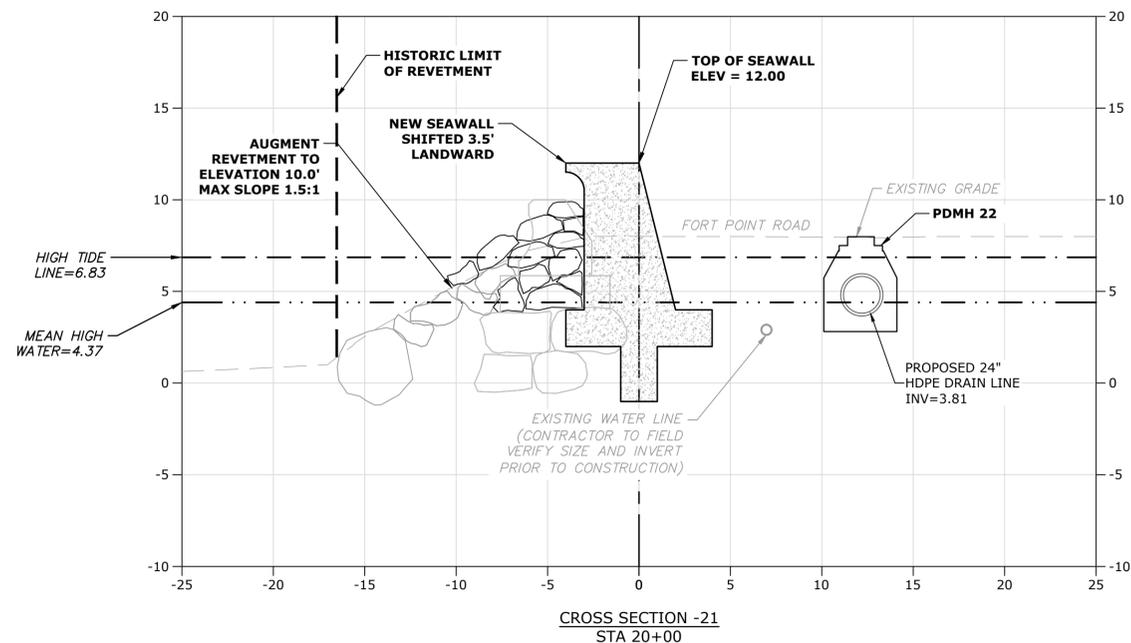
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PROJECT NO: W2176-005A
DATE: January 3, 2023
FILE: W2176-005A-C-DSGN.dwg
DRAWN BY: TAL/MKF/CJK
CHECKED: DGM
APPROVED: FJH

**PROPOSED
CROSS-SECTIONS - 6**

SCALE: AS SHOWN

C.406



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 Title & Content: Weymouth Neck Infrastructure Improvements Project



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Weymouth Neck Infrastructure Improvements Project

Town of Weymouth, MA

Weymouth, Massachusetts

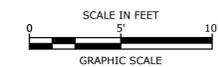
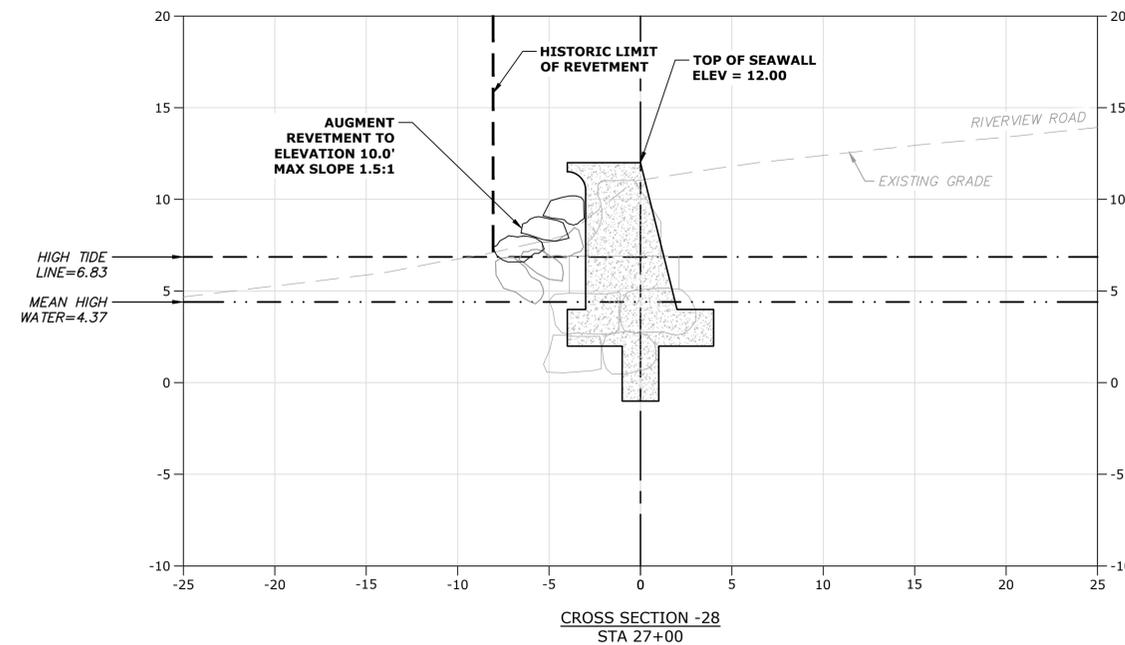
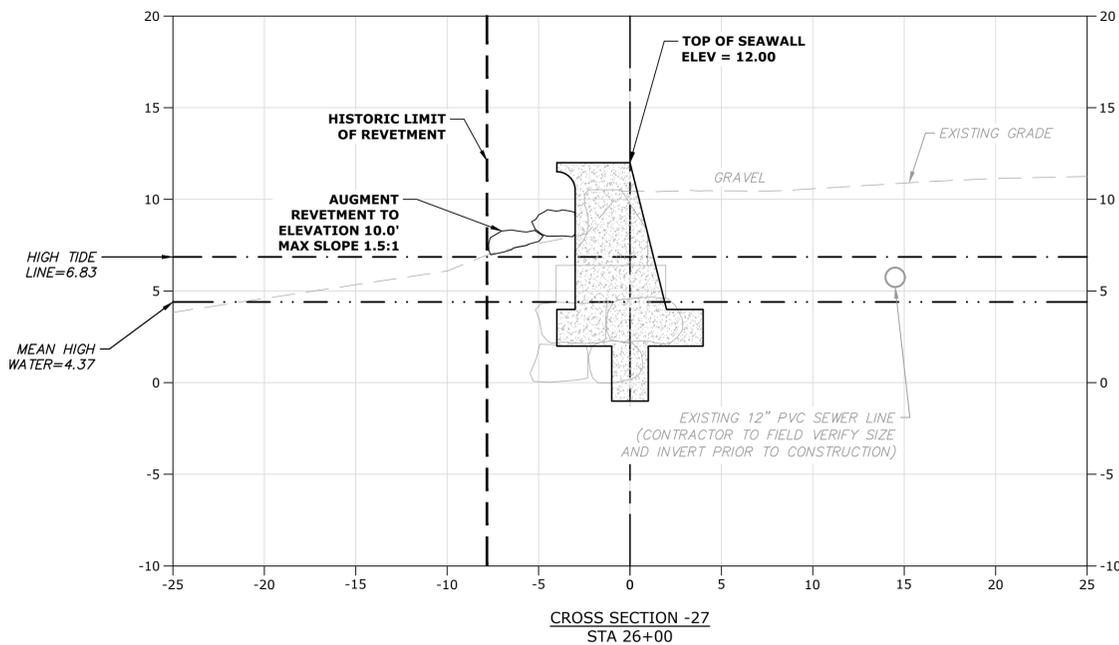
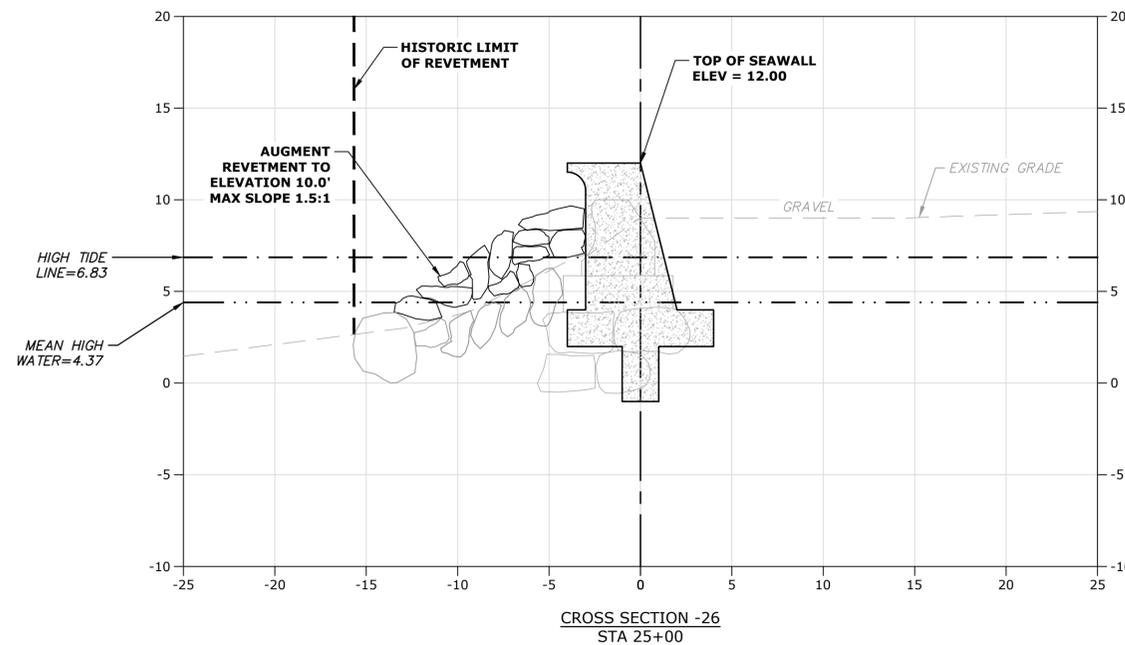
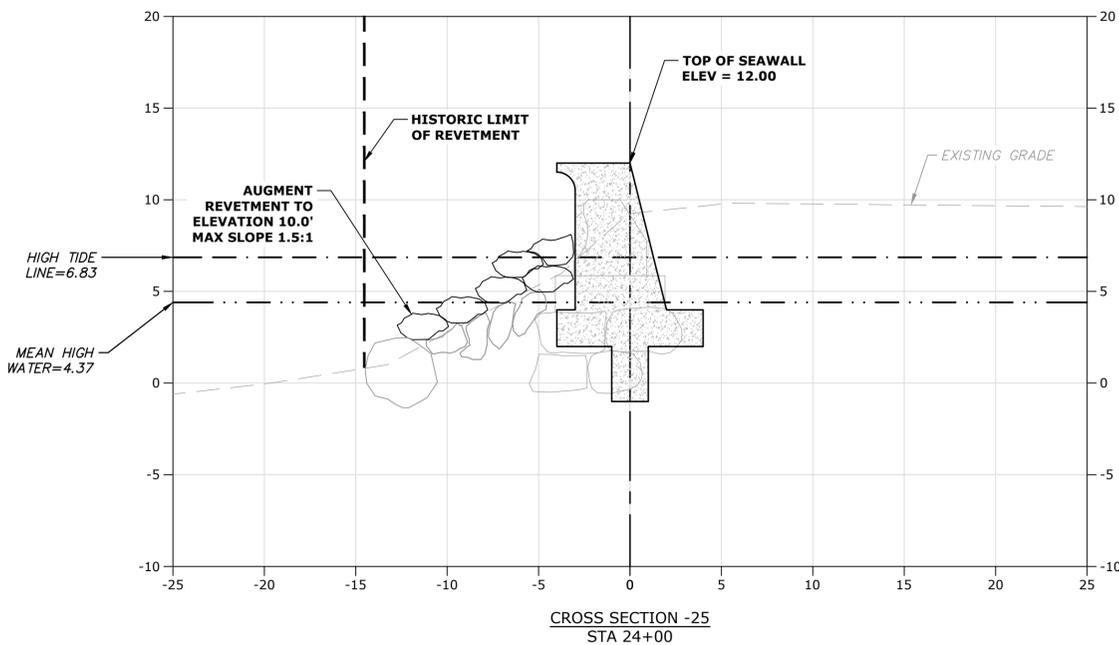
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PROJECT NO: W2176-005A
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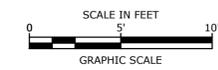
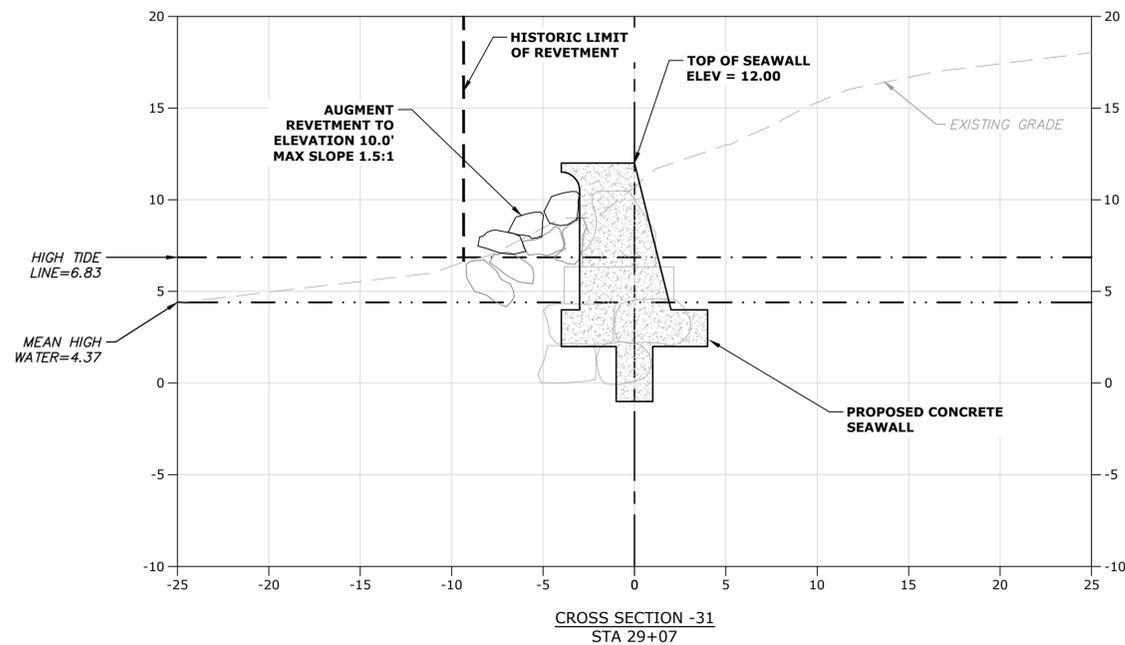
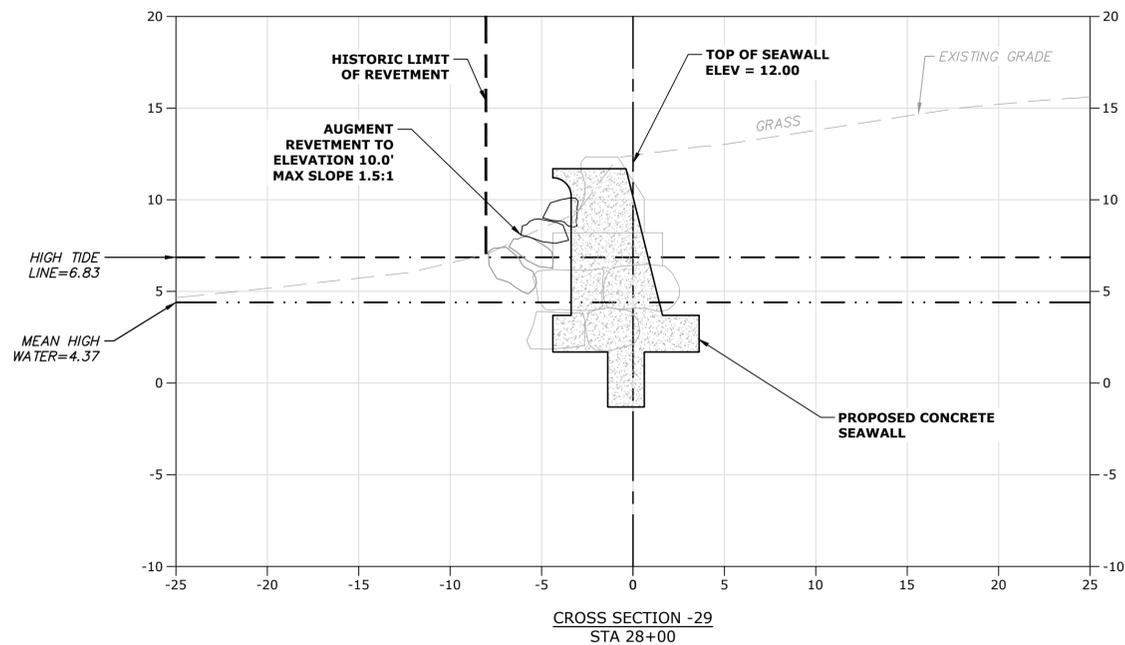
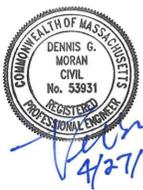
PROPOSED CROSS-SECTIONS - 7

SCALE: AS SHOWN

C.407



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 Plotted On: Apr 26, 2023 9:50am
 Figure & Name: Weymouth\Projects\W2176-Weymouth\005A-FR-COASTAL_IMR\Drawings-Figures\AutoCAD\Sheet\W2176-005A-C-DSGN.dwg



**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

**PROPOSED
CROSS-SECTIONS - 8**

SCALE: AS SHOWN

C.408



412-7123

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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

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CHECKED: DGM

APPROVED: FJH

DETAILS - 1

SCALE: AS SHOWN

C.501

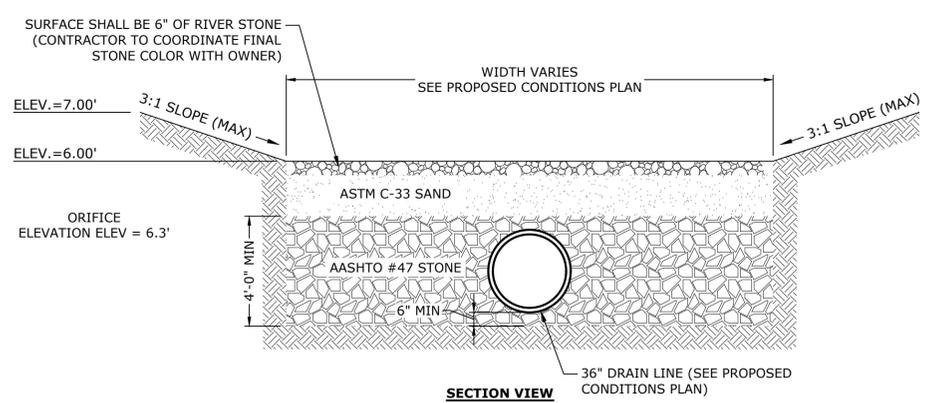
- NOTES:**
1. DETENTION DEPRESSION SHALL NOT BE PLACED INTO SERVICE UNTIL THE PRACTICE HAS BEEN PLANTED AND ITS CONTRIBUTING AREAS HAVE BEEN FULLY STABILIZED.
 2. DO NOT TRAFFIC EXPOSED SOIL SURFACES WITH CONSTRUCTION EQUIPMENT. CONTRACTOR SHALL KEEP ALL EXCAVATION EQUIPMENT OUTSIDE OF THE LIMIT OF THE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

ASTM C-33 CONCRETE SAND

SIEVE SIZE	% PASSING
3/8"	100
#4	95-100
#8	80-100
#16	50-85
#30	25-60
#50	5-30
#100	0-10

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



DETENTION DEPRESSION 3
NO SCALE C-5#

TABLE 1, RECOMMENDED MINIMUM TRENCH WIDTHS

PIPE DIAM.	MIN. TRENCH WIDTH
12"	30"
15"	34"
18"	39"
24"	48"
30"	56"
36"	64"
42"	72"
48"	80"
60"	96"

TABLE 2, MINIMUM RECOMMENDED COVER BASED ON VEHICLE LOADING CONDITION

PIPE DIA.	SURFACE LIVE LOADING CONDITION	
	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

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:

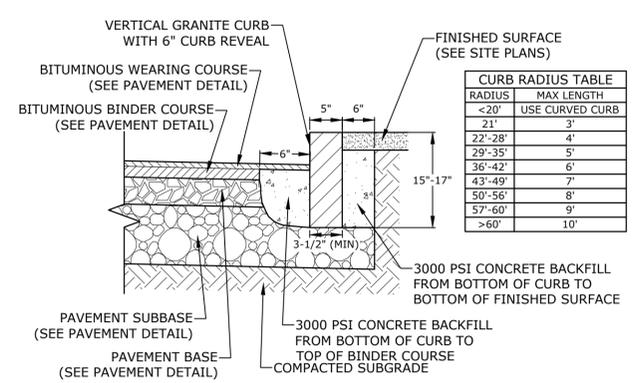
PIPE DIA.	CLASS I COMPACTED	CLASS II			CLASS III			CLASS IV		
		95%	90%	85%	95%	90%	85%	95%	90%	85%
12"	41'	28'	21'	16'	20'	16'	16'	16'	16'	16'
15"	42'	29'	21'	16'	21'	16'	16'	16'	16'	16'
18"	44'	30'	21'	16'	22'	17'	16'	16'	16'	16'
24"	37'	26'	18'	14'	19'	14'	14'	14'	14'	14'

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 I/IV 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.

HP STORM TRENCH INSTALLATION DETAIL 5
NO SCALE



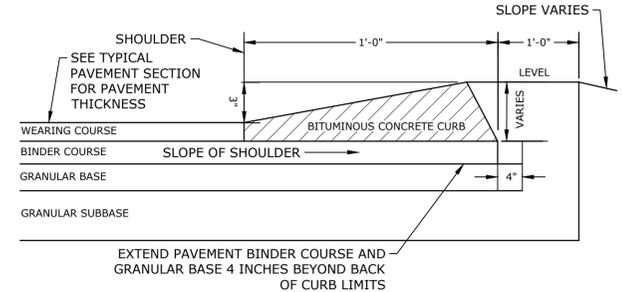
CURB RADIUS TABLE

RADIUS	MAX LENGTH
<20'	USE CURVED CURB
21'	3'
22'-28'	4'
29'-35'	5'
36'-42'	6'
43'-49'	7'
50'-55'	8'
57'-60'	9'
>60'	10'

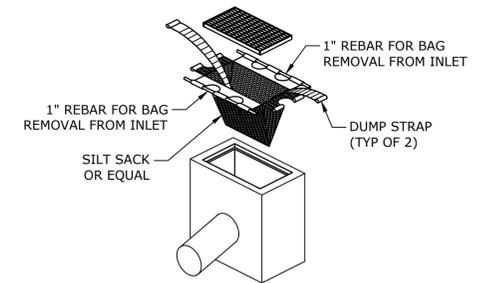
NOTES:

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 RADIUS 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.

VERTICAL GRANITE CURB 8
NO SCALE

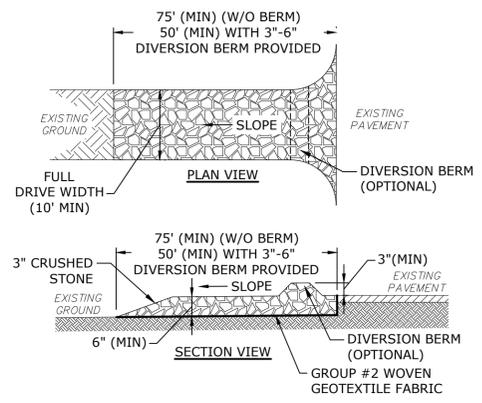


CAPE COD BERM 9
NO SCALE



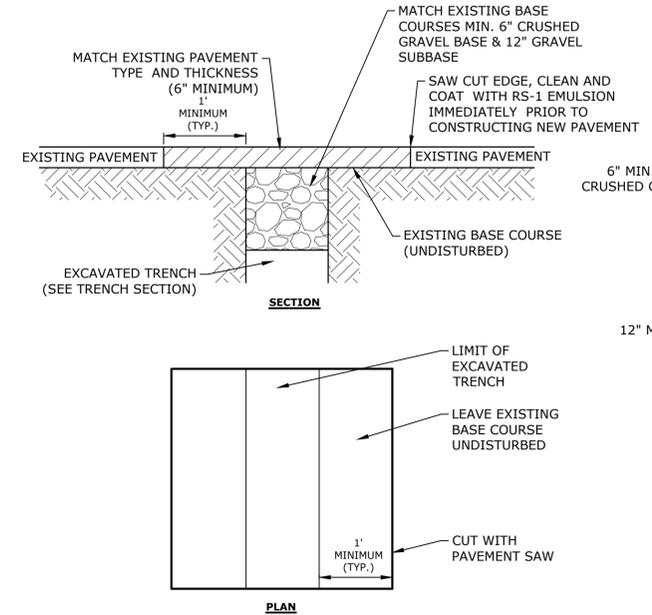
- NOTES:**
1. INLET PROTECTION BARRIER TYPE SHALL BE AS SPECIFIED IN THE SPECIAL PROVISIONS, OR APPROVED EQUAL.
 2. INLET PROTECTION BARRIER SHALL BE INSTALLED IN ALL EXISTING AND PROPOSED CATCH BASINS LOCATED WITHIN THE LIMIT OF WORK.
 3. SILT SACK SHALL BE INSPECTED REGULARLY AND MAINTAIN IN ACCORDANCE WITH MANUFACTURER RECOMMENDATIONS.

INLET PROTECTION 1
NO SCALE



- 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.

STABILIZED CONSTRUCTION EXIT 4
NO SCALE



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.

ROADWAY TRENCH PATCH 6
NO SCALE

PAVEMENT SECTION 7
NO SCALE

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Printed On: Apr 26, 2023 11:00am
Figure & Detail: Weymouth Neck Infrastructure Improvements Project W2176-005A-FR_COASTAL_IMPROVEMENTS_SHEET_W2176-005A-C-DTLS_recover.dwg



Dennis G. Moran
4/27/23

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Weymouth Neck Infrastructure Improvements Project

Town of Weymouth, MA

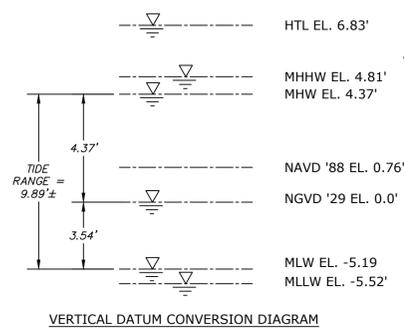
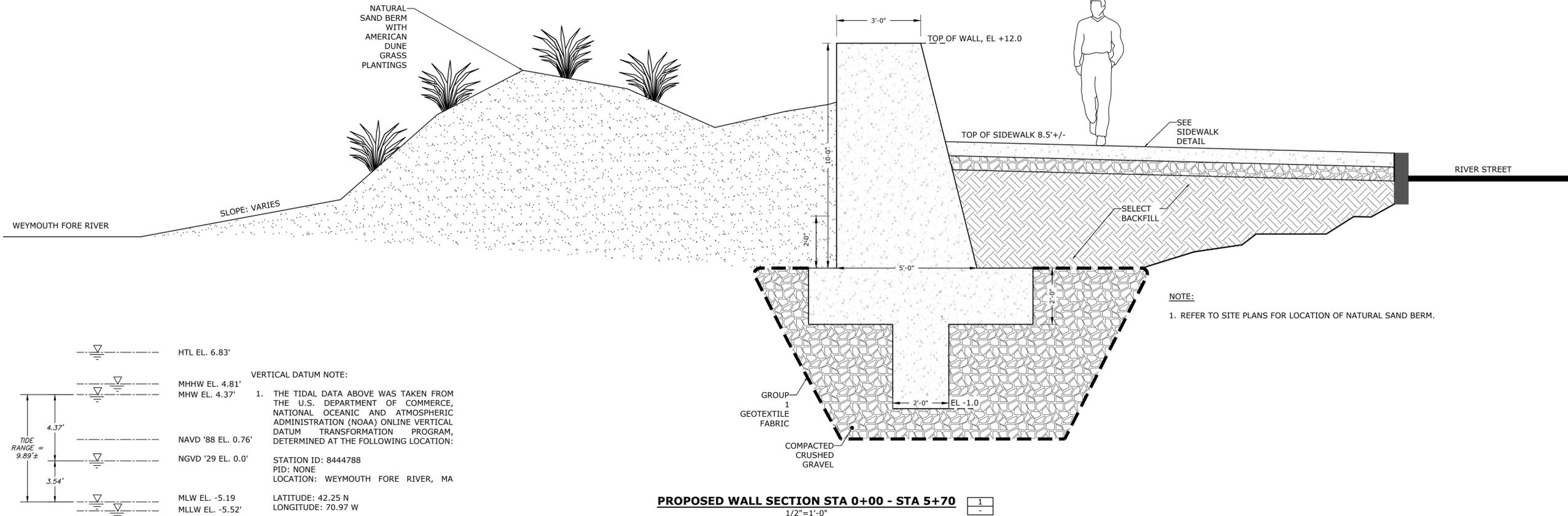
Weymouth, Massachusetts

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

PROPOSED WALL SECTIONS - 1

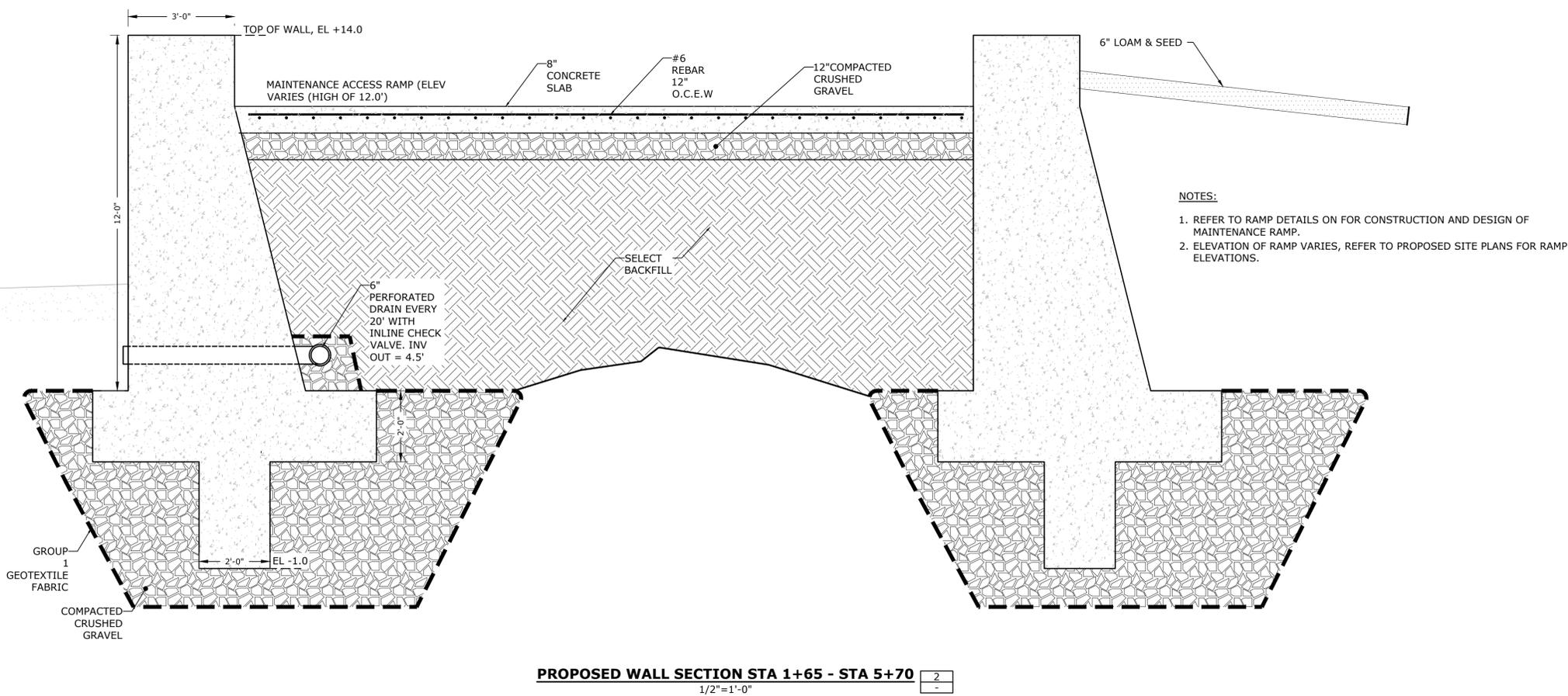
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C.504



VERTICAL DATUM NOTE:

- 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



NOTES:

- REFER TO RAMP DETAILS ON FOR CONSTRUCTION AND DESIGN OF MAINTENANCE RAMP.
- ELEVATION OF RAMP VARIES, REFER TO PROPOSED SITE PLANS FOR RAMP ELEVATIONS.

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Figure & Detail: Weymouth Neck Infrastructure Improvements Project



4/27/23

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**Weymouth Neck
Infrastructure
Improvements
Project**

Town of
Weymouth, MA

Weymouth,
Massachusetts

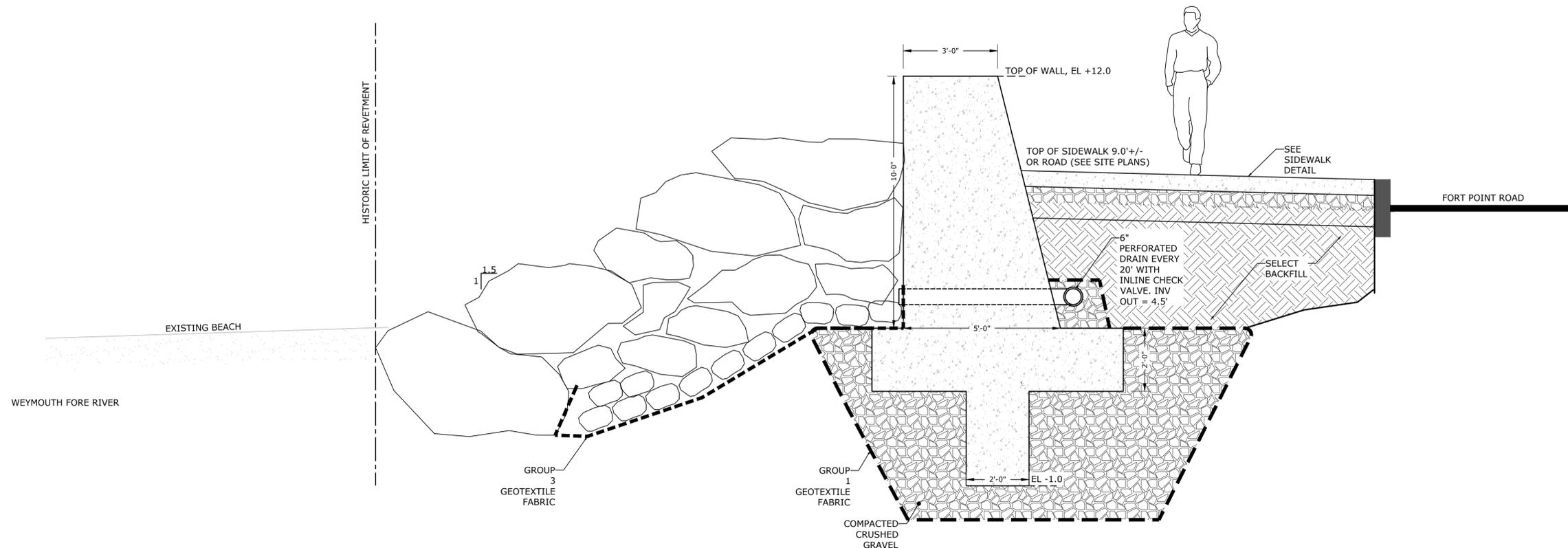
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PROJECT NO:	W2176-005A
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DRAWN BY:	TAL/MKF/CJK
CHECKED:	DGM
APPROVED:	FJH

**PROPOSED WALL
SECTIONS - 2**

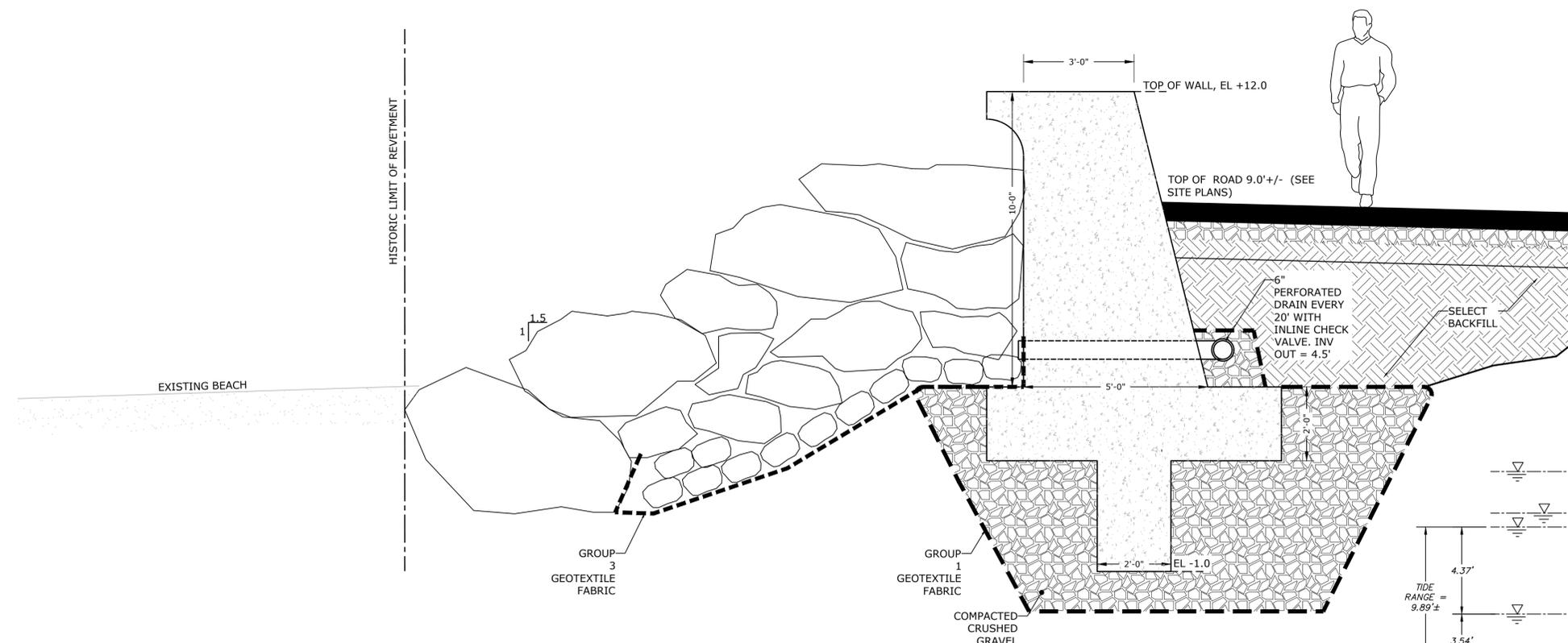
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C.505



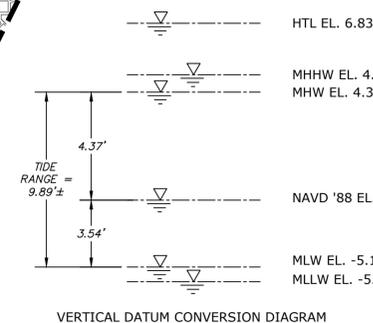
PROPOSED WALL SECTION STA 6+30- STA 18+50
1/2" = 1'-0"

1



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

2



VERTICAL DATUM 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
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VERTICAL DATUM CONVERSION DIAGRAM

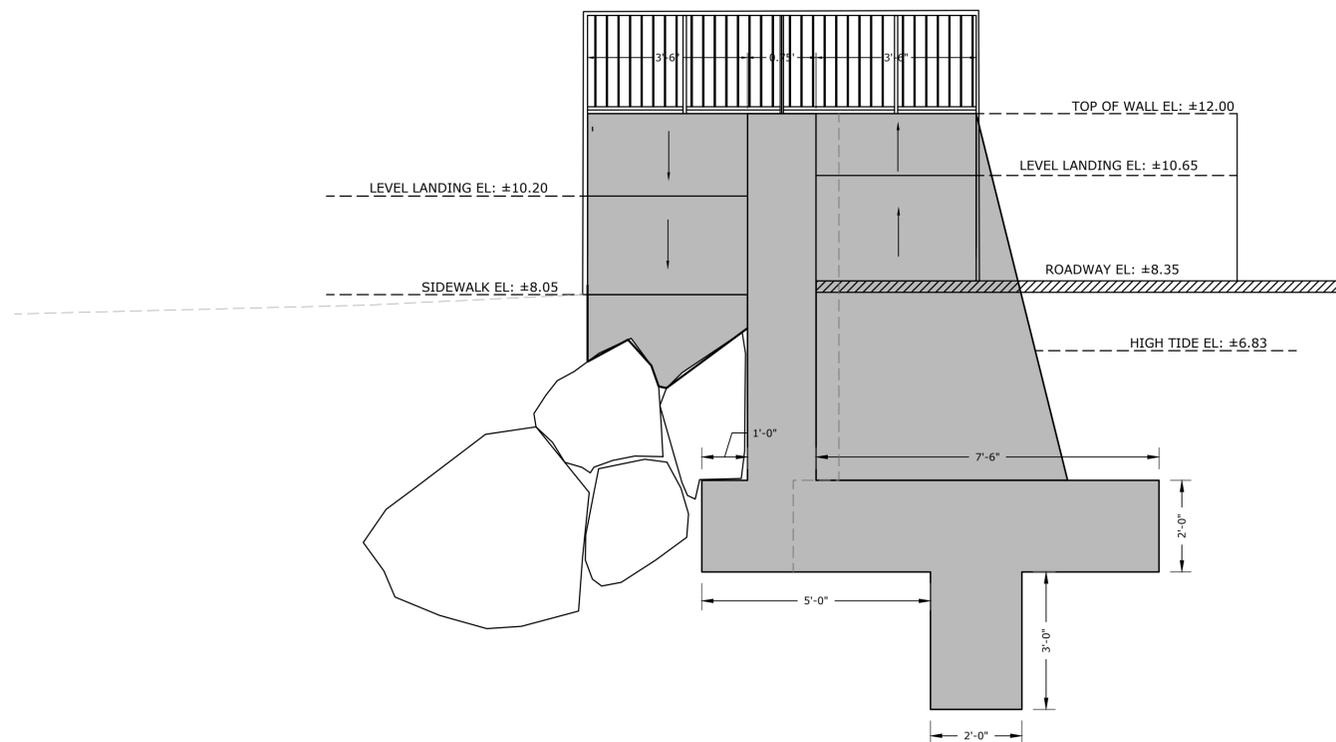


7/27/23

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Weymouth Neck Infrastructure Improvements Project

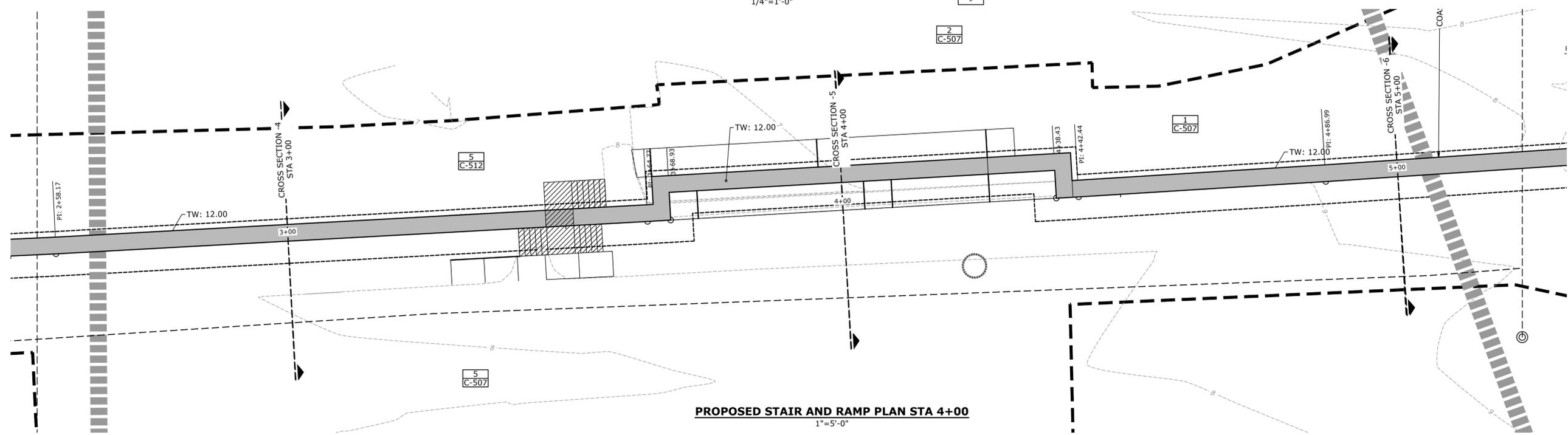
Town of Weymouth, MA
Weymouth, Massachusetts



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



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



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

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CHECKED:	DGM	
APPROVED:	FJH	

STAIR AND RAMP CROSS SECTIONS

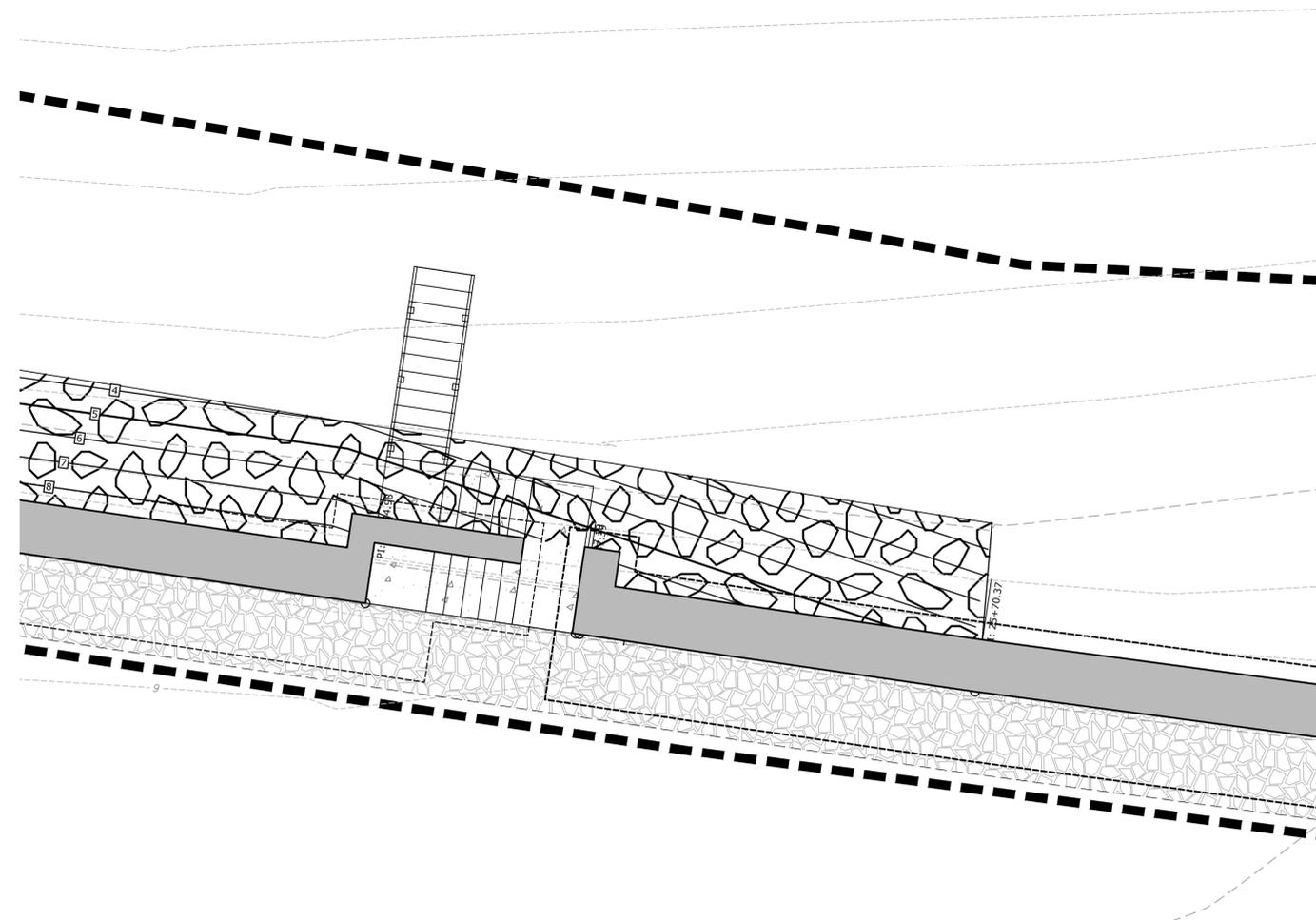
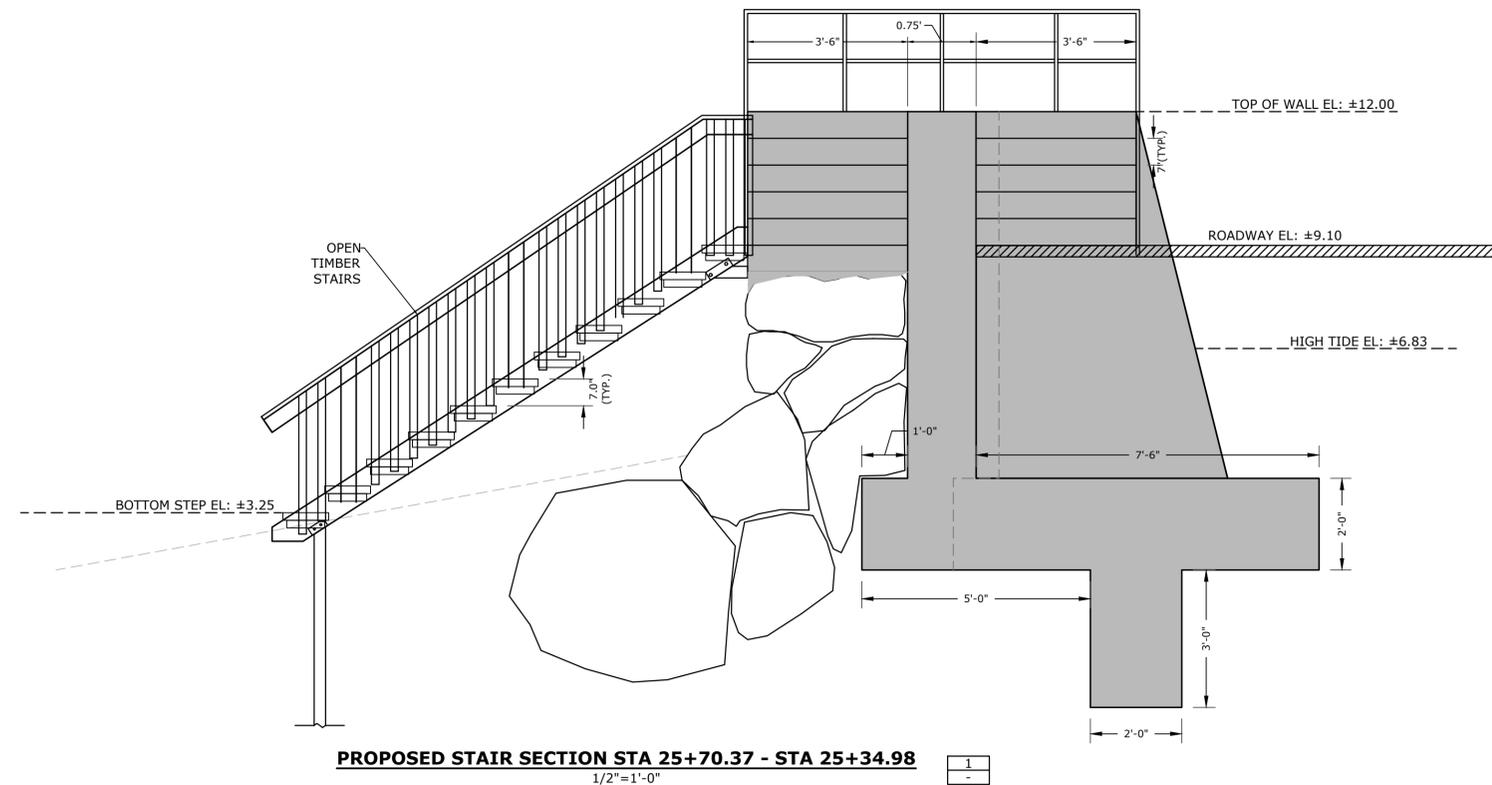
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C.507

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Handwritten signature and date: 1/27/23



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Weymouth Neck Infrastructure Improvements Project

Town of Weymouth, MA

Weymouth, Massachusetts

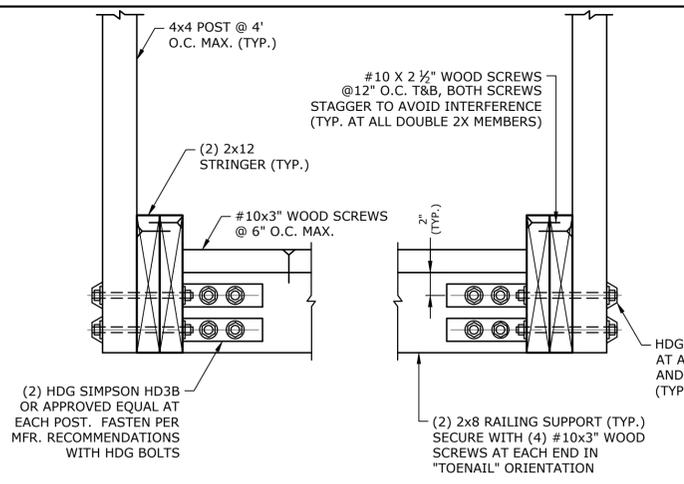
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DATE: January 3, 2023
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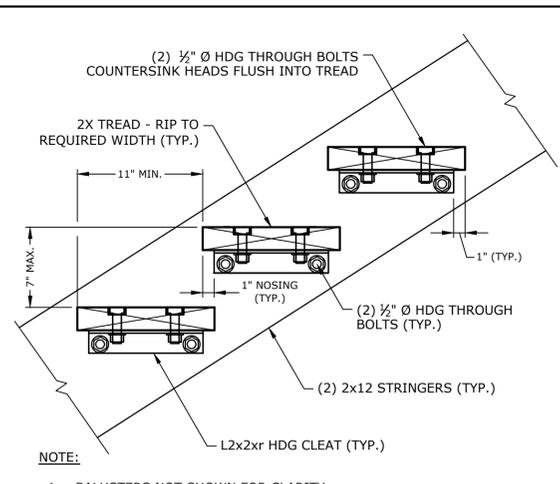
STAIR AND RAMP CROSS SECTIONS

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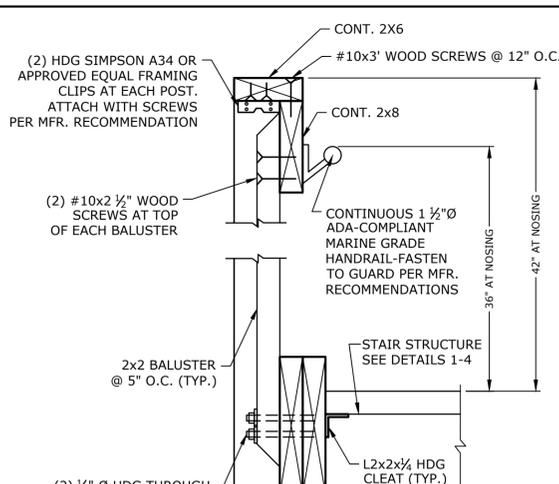
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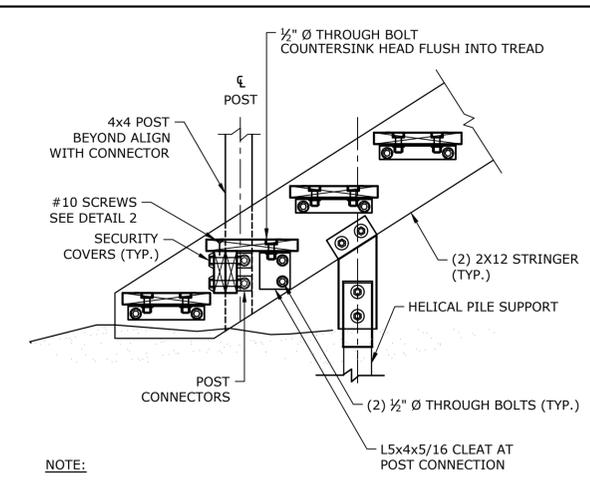
SECTION THROUGH STAIRWAY AT RAILING POST SECTION 1
NO SCALE



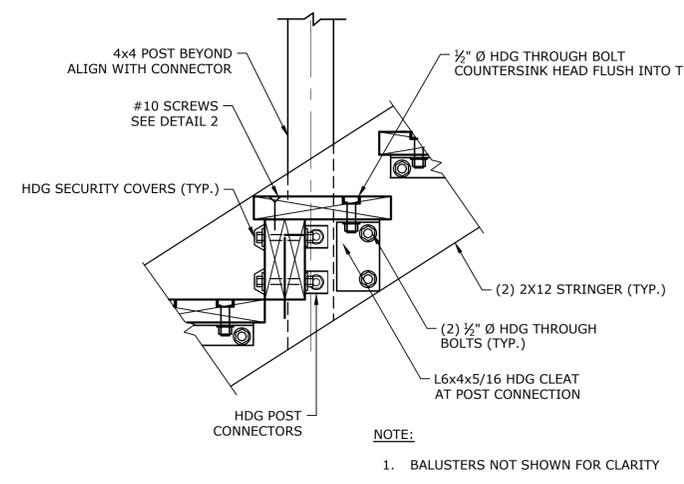
TYPICAL SECTION THROUGH STAIRWAY SECTION 2
NO SCALE



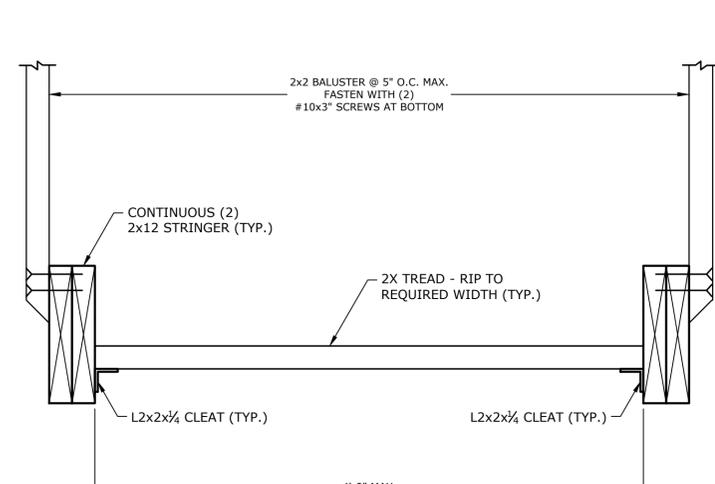
TYPICAL RAILING SECTION 3
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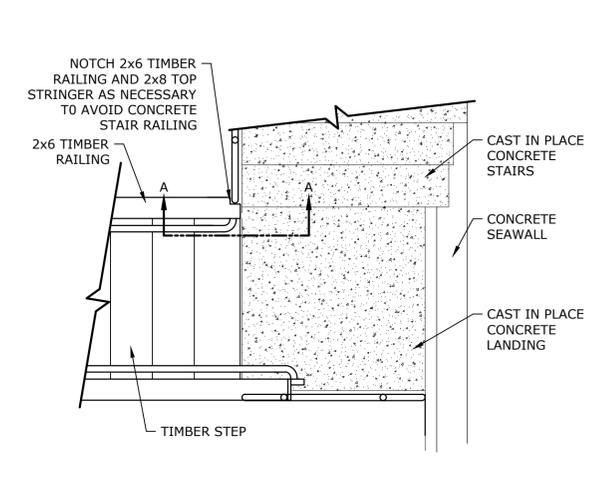
LANDING POST BASE SUPPORT 4
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SECTION THROUGH STAIRWAY AT RAILING POST SECTION 5
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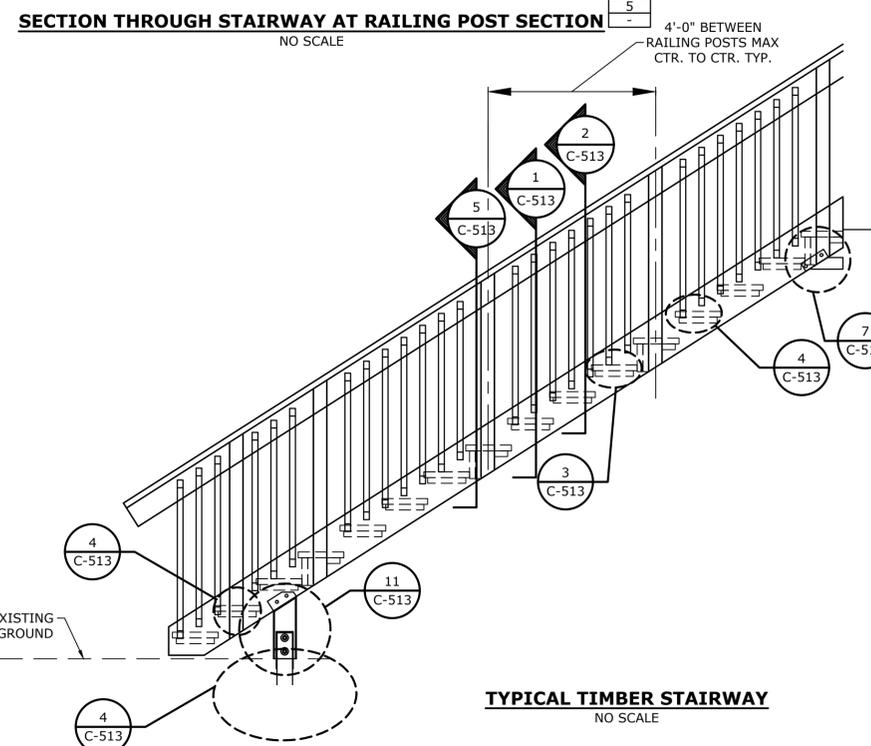


TYPICAL STAIR SECTION 5
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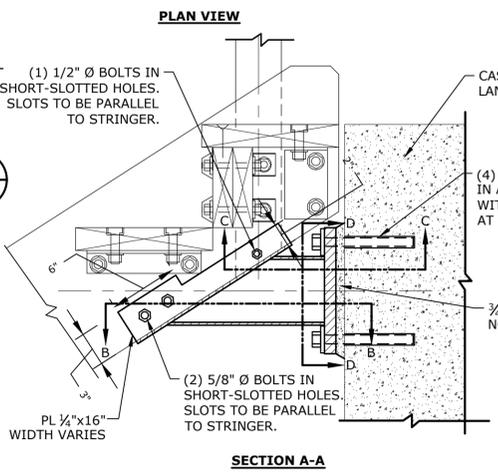


SECTION THROUGH STAIRWAY AT RAILING POST SECTION 5
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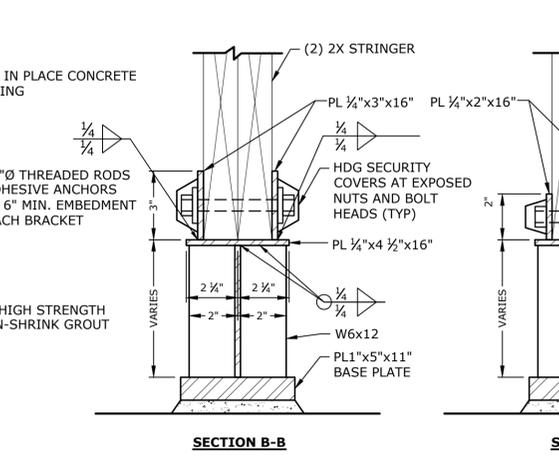
NOTE:
1. ALL HARDWARE TO BE HDG UNLESS OTHERWISE SPECIFIED.
2. ALL HANDRAILS TO BE STAINLESS STEEL.



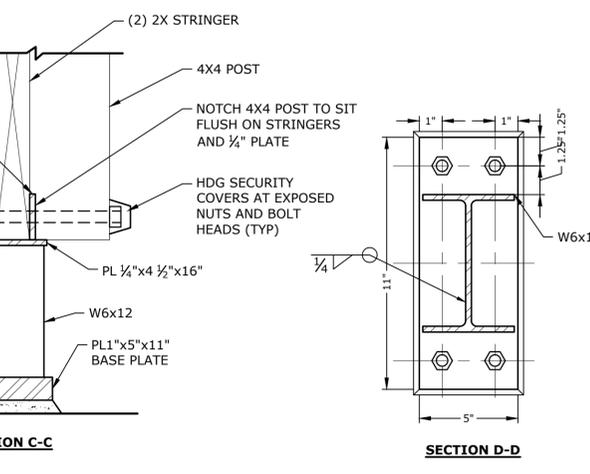
TYPICAL TIMBER STAIRWAY 7
NO SCALE



SECTION A-A



SECTION B-B



SECTION C-C

SECTION D-D

TIMBER STRINGER CONNECTION DETAIL AT STAIR INTERSECTION 7
NO SCALE

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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/CIJ	
CHECKED:	DGM	
APPROVED:	FJH	

STAIR DETAILS

SCALE: AS SHOWN

C.512

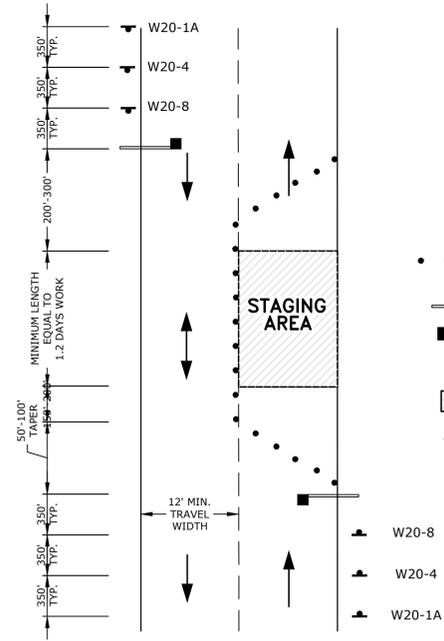
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 Plotted On: Apr 26, 2023 11:03pm
 Tighe & Bond, Weymouth, MA
 Project: W2176 Weymouth Neck Infrastructure Improvements
 Figure: 005A-FR_COASTAL_IMPROVEMENTS
 Figures: AutoCAD, IMP Drawings, Figures, AutoCAD, Sheet, W2176-005A-C-DTLS_recover.dwg

NOTES

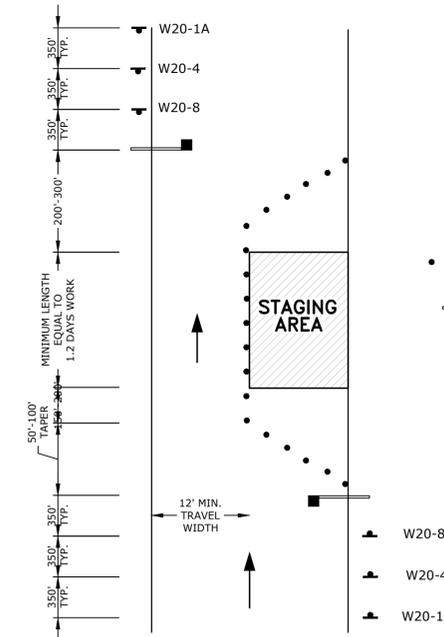
1. FLAGS SHALL BE AT LEAST 16" X 16".
2. DISTANCES ARE A GUIDE AND MAY BE ADJUSTED IN FIELD BY ENGINEER.
3. MAXIMUM SPACING OF CHANNELIZING DEVICES IS EQUAL IN FEET TO SPEED LIMIT.
4. NO TRAFFIC CONTROL DEVICES SHALL REMAIN ON THE ROADWAY AT THE END OF EACH WORK DAY.
5. ALL WARNING SIGNS SHALL BE BLACK 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



TWO LAND ROADWAY WITH ONE LAND CLOSED
NO SCALE



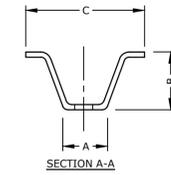
ONE LANE ROADWAY WITH ONE LANE CLOSED
NO SCALE

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 ASTM A-576 (GRADE 1070 - 1080)
FINISH: SHALL BE GALVANIZED IN ACCORDANCE WITH AASHTO M111.

WT.	A	B	C
3 LBS	1 3/8" OR 1 1/2"	1 3/4" OR 1 7/8"	3 1/2"
4 LBS	1 3/8"	1 3/4"	3 1/2"

OUTFALL PIPE DETAILS
NO SCALE



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-DTLS_recover.dwg	
DRAWN BY:	TAL/MKF/CJK	
CHECKED:	DGM	
APPROVED:	FJH	

TRAFFIC MANAGEMENT PLAN

SCALE: AS SHOWN

C.513

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)

WEYMOUTH FORE RIVER

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

MEAN HIGH WATER=4.37'

COASTAL BEACH

HIGH TIDE LINE=6.83'

SEE SHEET C.601
SEE SHEET C.602

TOP OF COASTAL DUNE

WF1E-3

COASTAL DUNE

FLOOD ZONE VE EL.16
FLOOD ZONE AE EL.18

FLOOD

EBB

WF1E-30

WF1E-30

+7.3

FLOOD ZONE VE EL.16
FLOOD ZONE AE EL.12

FLOOD ZONE VE EL.16
FLOOD ZONE AE EL.12

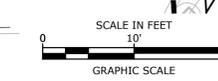
#666
2-12-26
BDOX 10468 PG 125

FLOOD ZONE AE EL.12
FLOOD ZONE AE EL.11

APPROXIMATE PARCEL LINE

FOG LINE
RIVER STREET
(60' WIDE ~ PUBLIC)

100-FOOT COASTAL DUNE BUFFER ZONE



Tighe&Bond



SUPPLEMENTAL PERMIT DATA
NOT FOR CONSTRUCTION

Weymouth Neck Infrastructure Improvements Project

Town of Weymouth, MA

Weymouth, Massachusetts

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

RESOURCE AREA IMPACT PLANS

SCALE: AS SHOWN

C.601

Last Saved: 4/26/2023 9:51pm By: TLabbe
 Plotted On: Apr 26, 2023 9:51pm By: TLabbe
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SUPPLEMENTAL PERMIT DATA
NOT FOR CONSTRUCTION

Weymouth Neck Infrastructure Improvements Project

Town of Weymouth, MA

Weymouth, Massachusetts

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APPROVED:	FJH	

RESOURCE AREA IMPACT PLANS

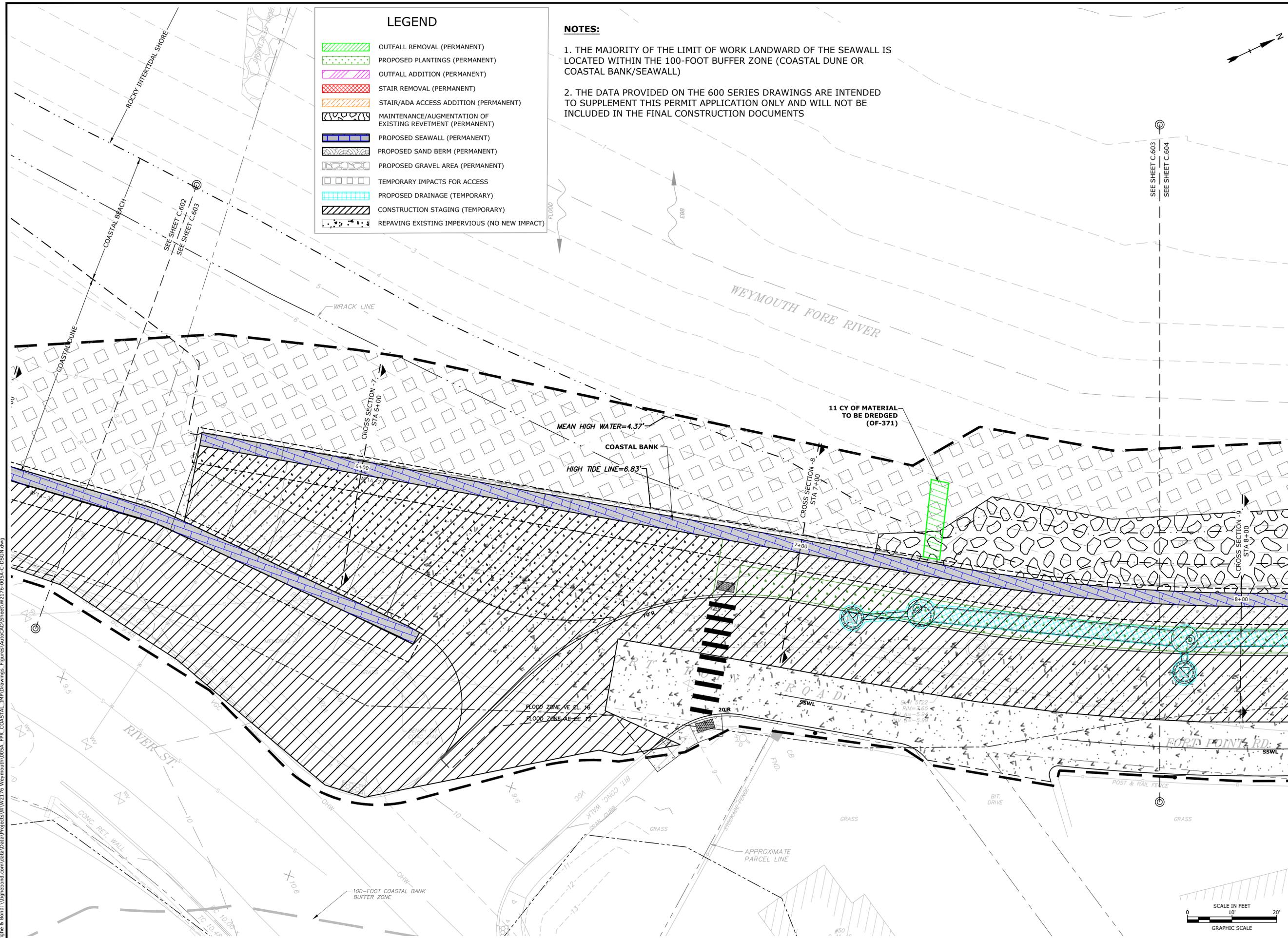
SCALE: AS SHOWN

C.603

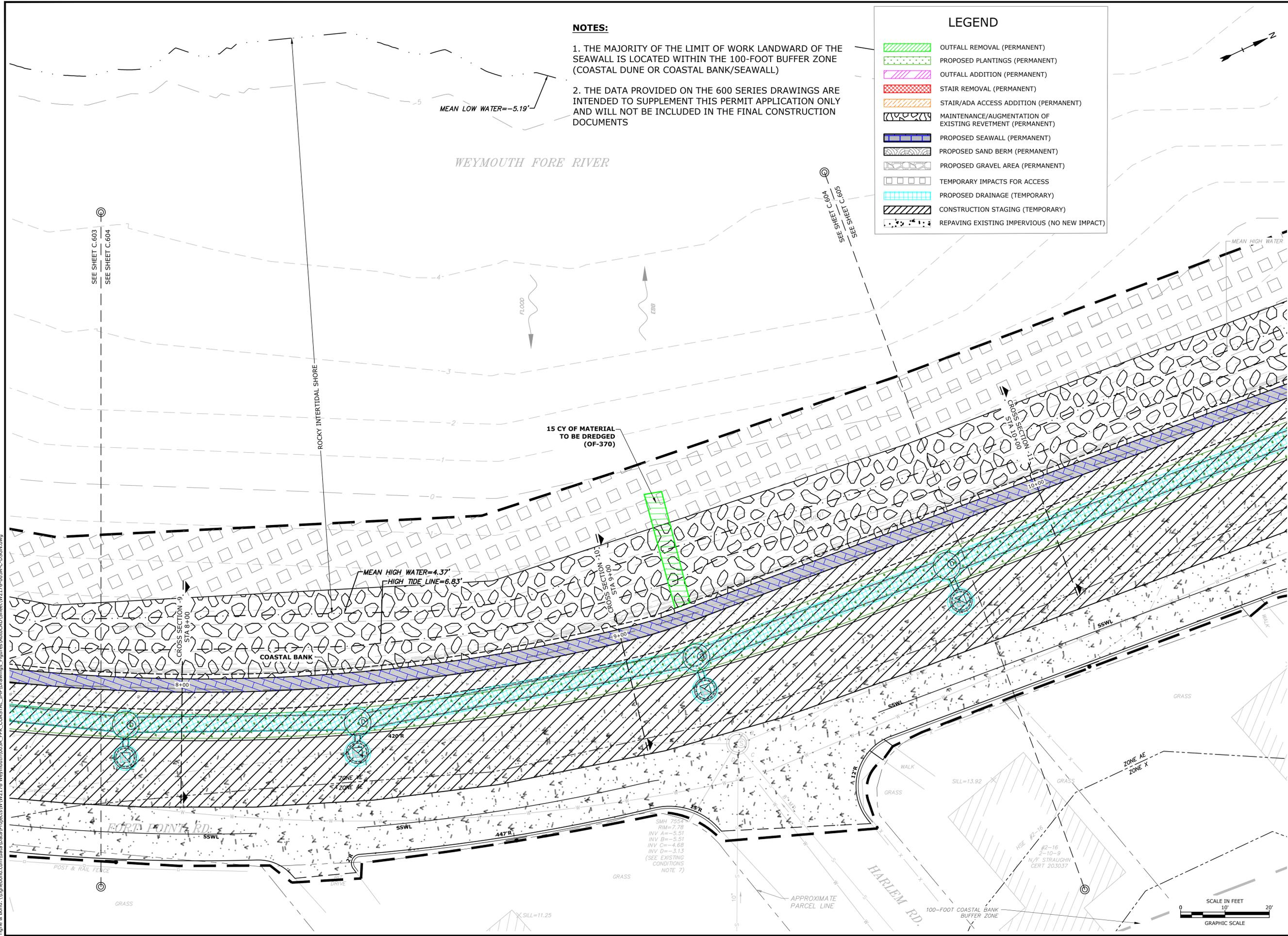
LEGEND

	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)
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 Figure & Name: Weymouth Neck Infrastructure Improvements Project W2176-005A-FR-Coastal IMP Drawings - Figures\AutoCAD\Sheet\W2176-005A-C-DSGN.dwg



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)



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.604

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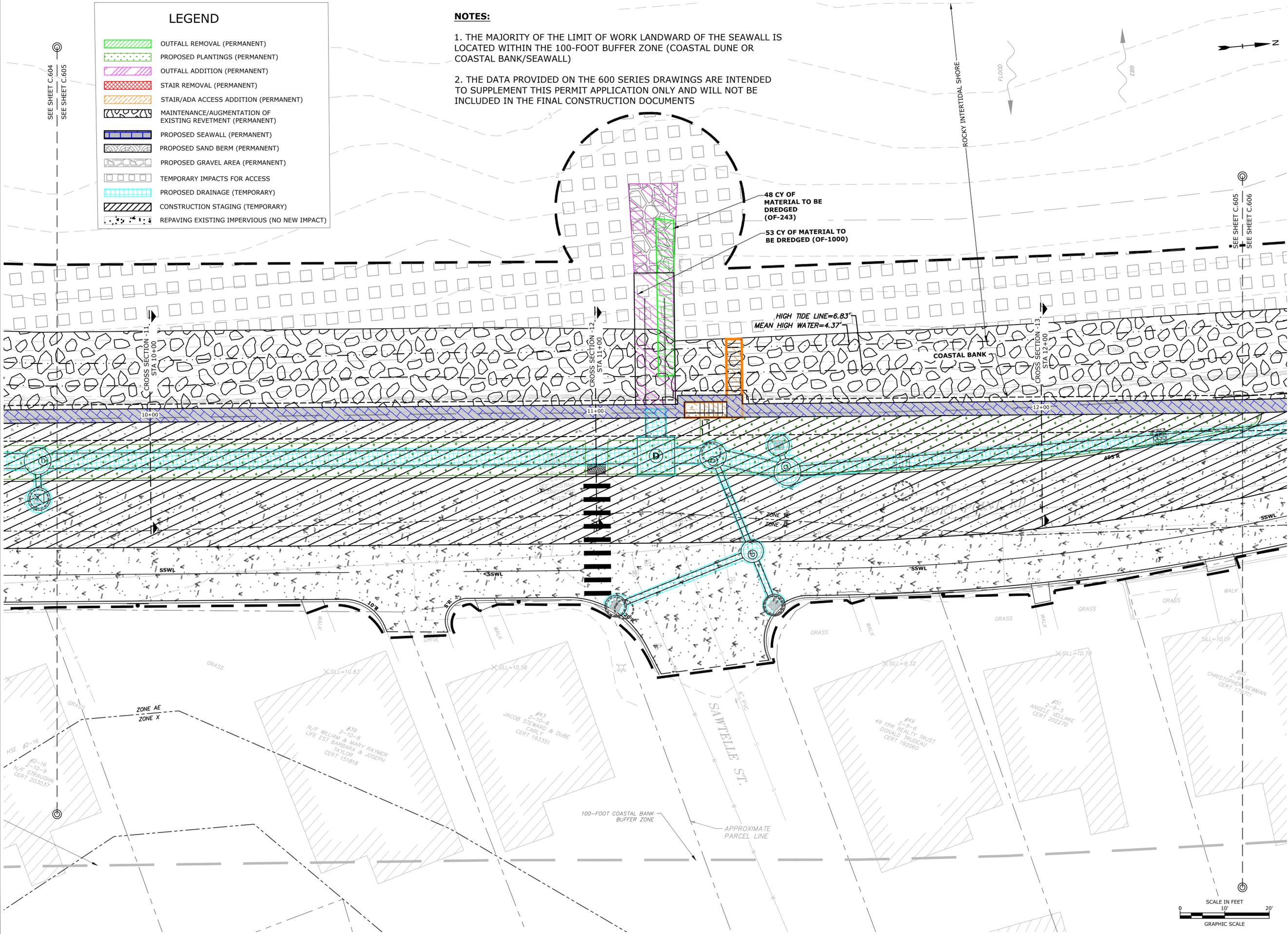


NOTES:

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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)



SUPPLEMENTAL PERMIT DATA
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Weymouth Neck Infrastructure Improvements Project

Town of Weymouth, MA

Weymouth, Massachusetts

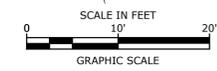
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PROJECT NO:	W2176-005A	
DATE:	January 3, 2023	
FILE:	W2176-005A-C-DSGN.dwg	
DRAWN BY:	TAL/MKF/CJK	
CHECKED:	DGM	
APPROVED:	FJH	

RESOURCE AREA IMPACT PLANS

SCALE: AS SHOWN

C.605

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Weymouth Neck Infrastructure Improvements Project

Town of Weymouth, MA

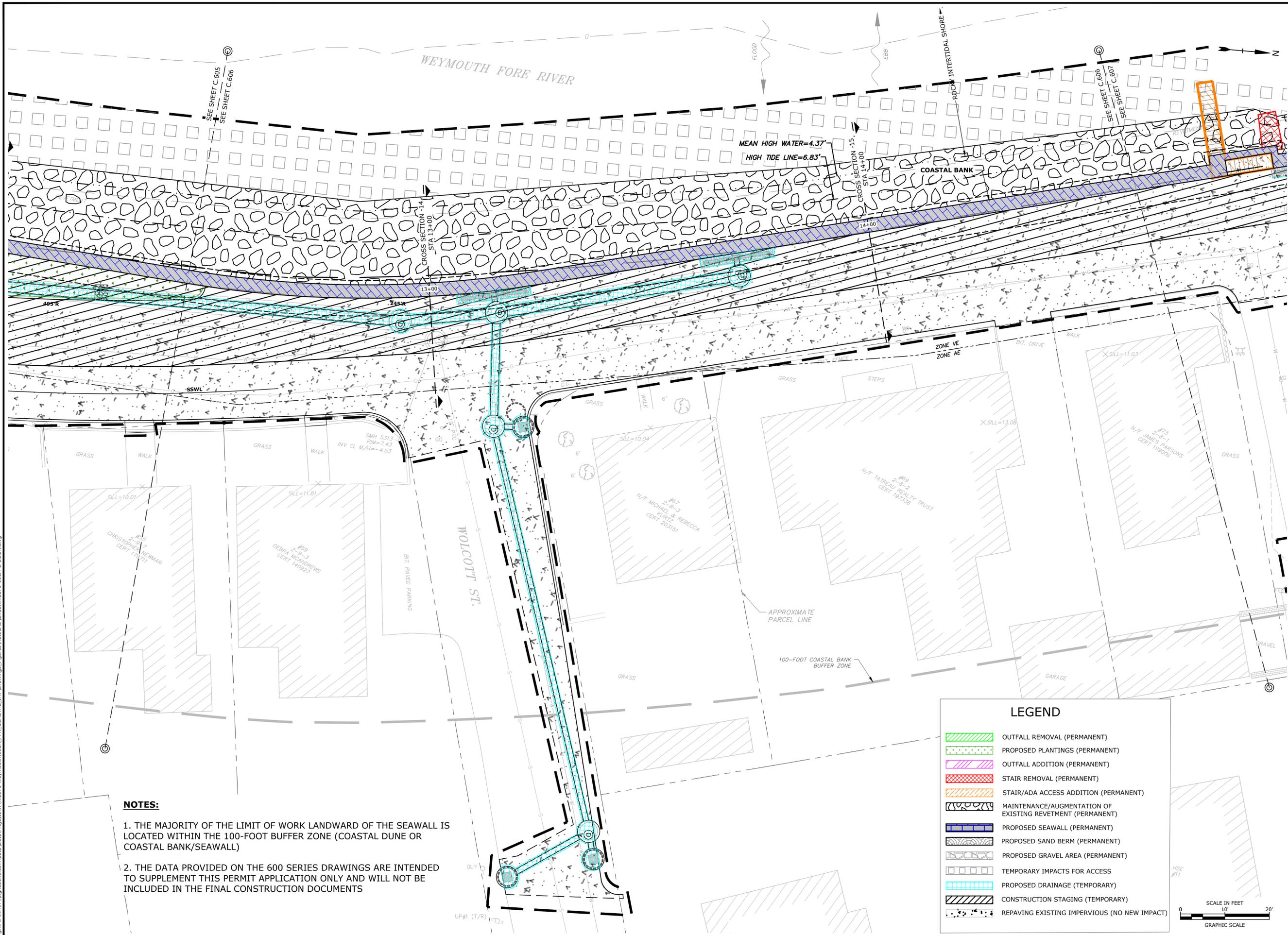
Weymouth, Massachusetts

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PROJECT NO:	W2176-005A	
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APPROVED:	FJH	

RESOURCE AREA IMPACT PLANS

SCALE: AS SHOWN

C.606

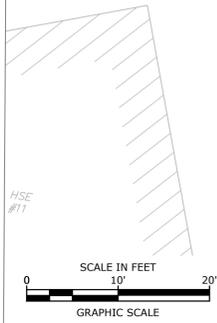


NOTES:

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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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Project: Weymouth Neck Infrastructure Improvements
File: W2176-005A-FR_COASTAL_IMPROVEMENTS.dwg
Figure & Bond, Weymouth, MA
Project: Weymouth Neck Infrastructure Improvements
File: W2176-005A-C-DSGN.dwg



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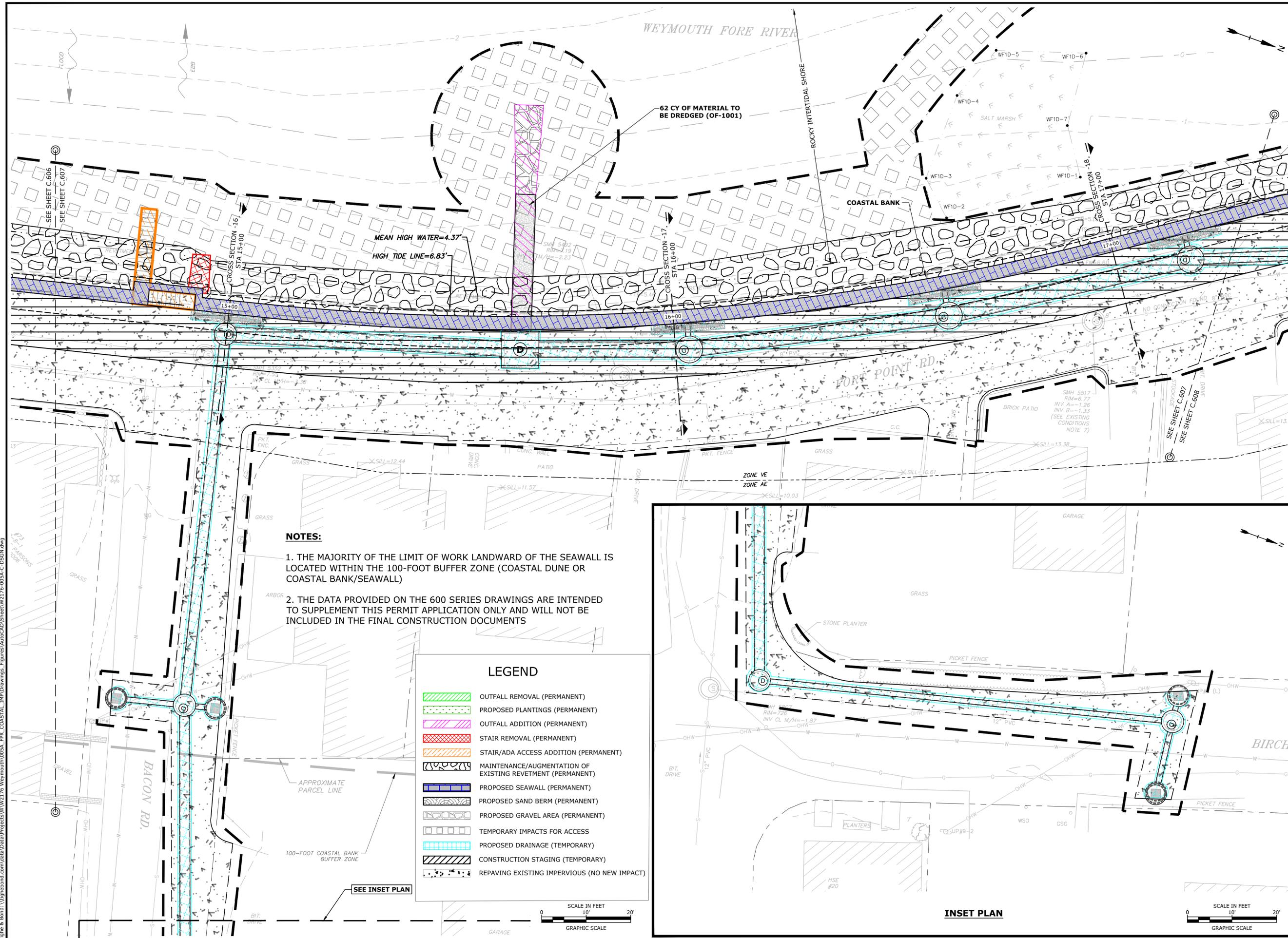
Weymouth Neck Infrastructure Improvements Project
Town of Weymouth, MA
Weymouth, Massachusetts

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PROJECT NO:	W2176-005A	
DATE:	January 3, 2023	
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DRAWN BY:	TAL/MKF/CJK	
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RESOURCE AREA IMPACT PLANS

SCALE: AS SHOWN

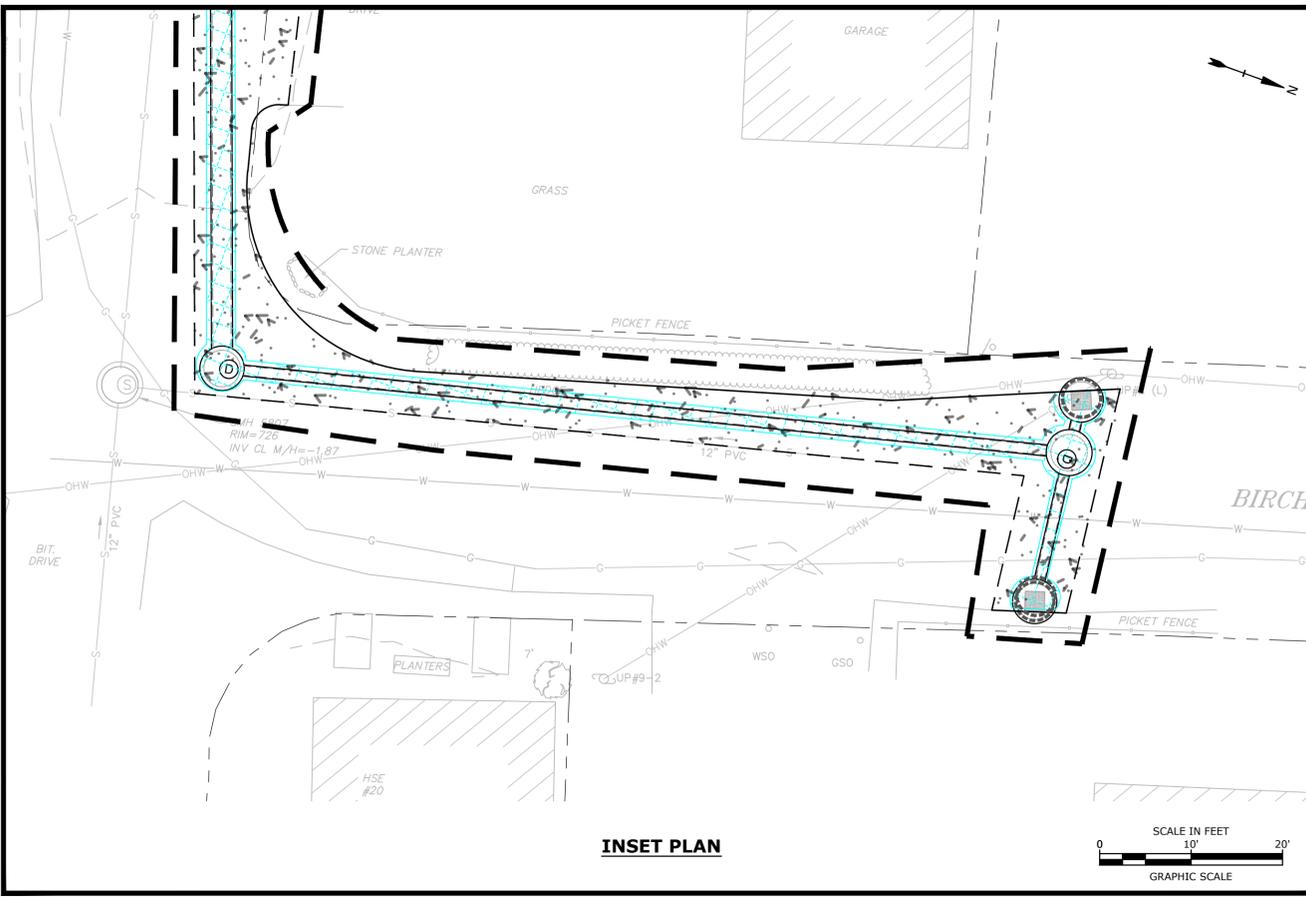
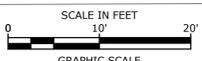
C.607



- 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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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)



INSET PLAN



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

RESOURCE AREA IMPACT PLANS

SCALE: AS SHOWN

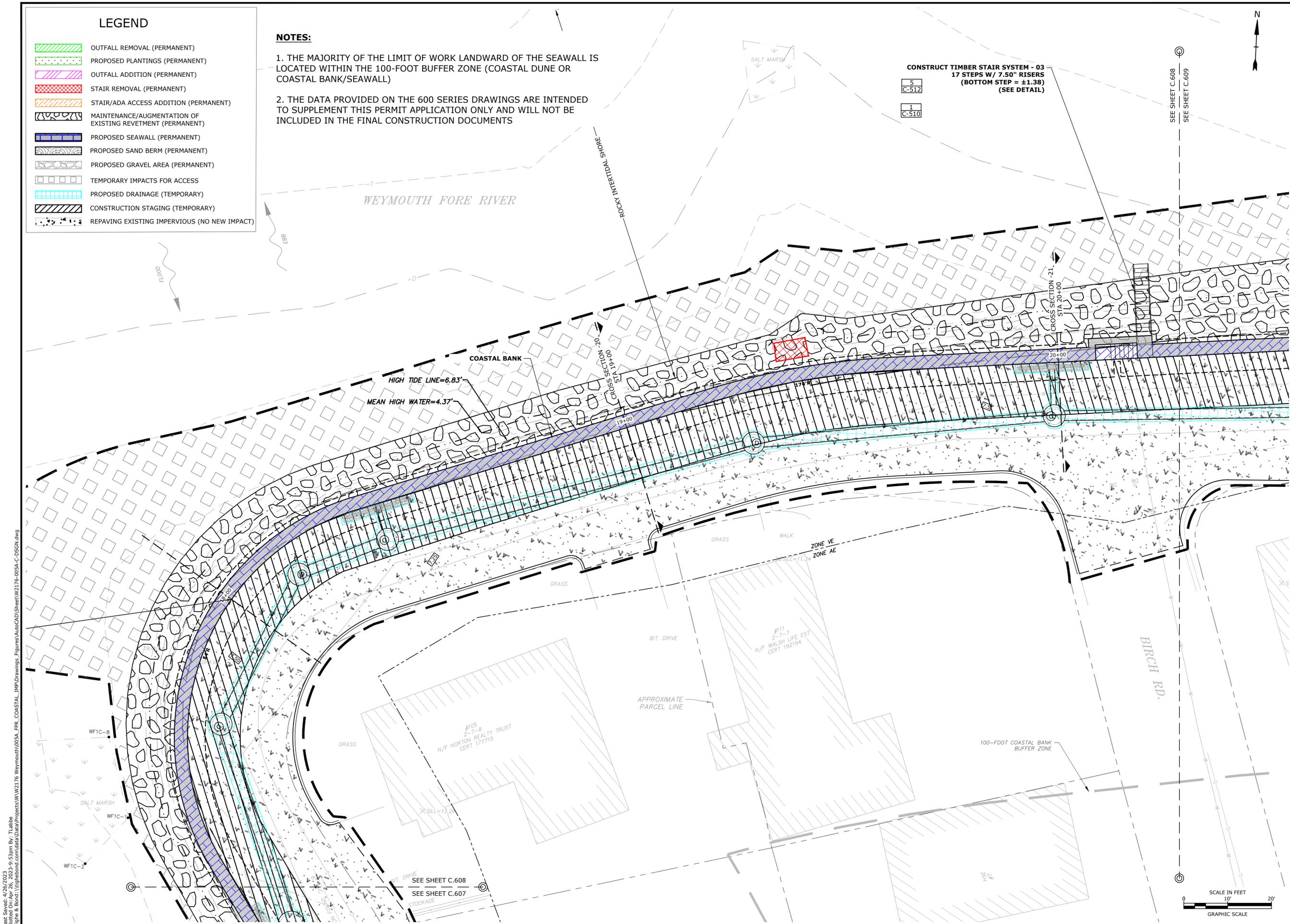
C.608

LEGEND

- OFFFALL REMOVAL (PERMANENT)
- PROPOSED PLANTINGS (PERMANENT)
- OFFFALL 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)

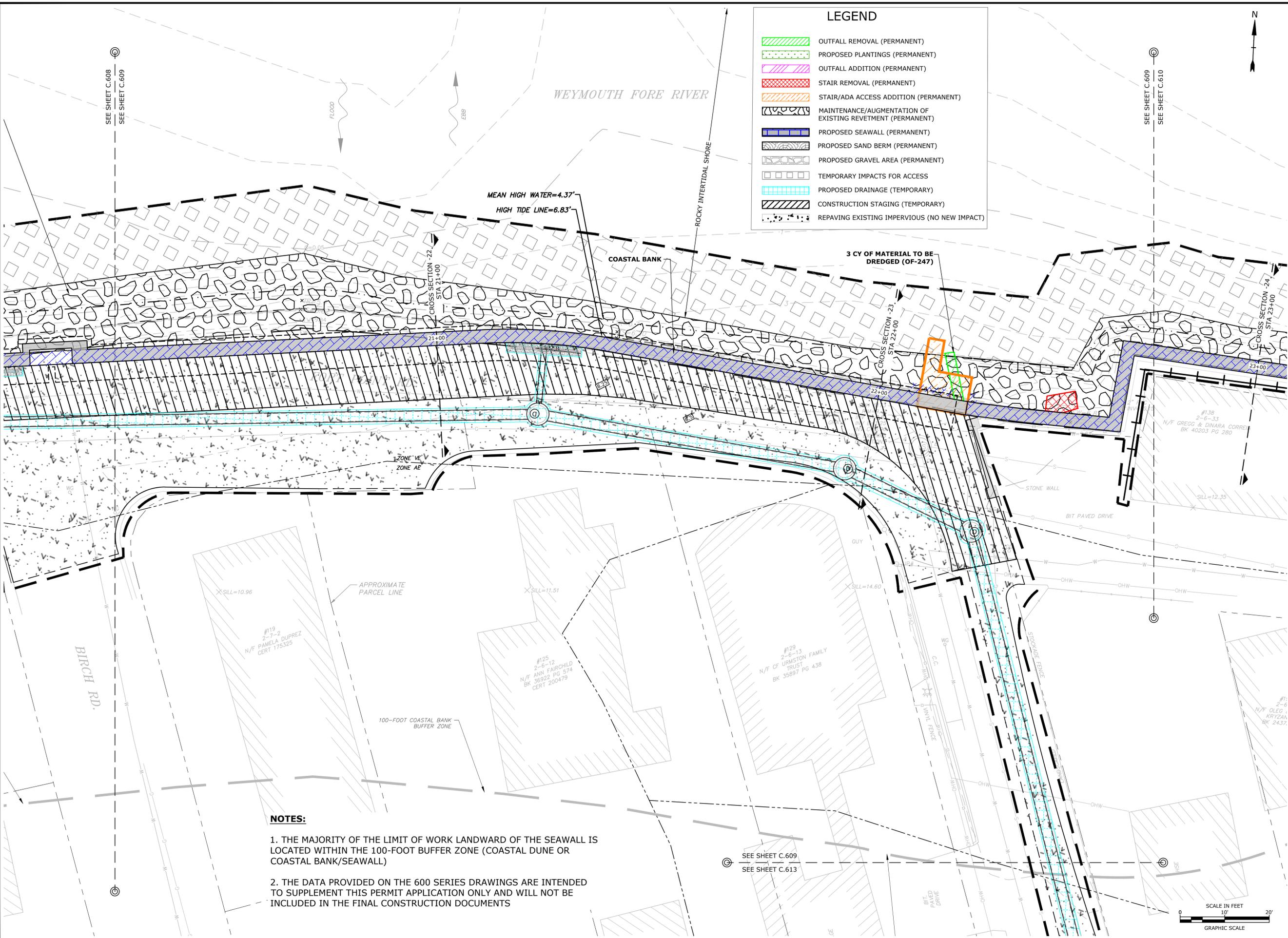
NOTES:

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 Figure 8: Weymouth Neck Infrastructure Improvements Project W2176-005A-FR_COASTAL_IMP Drawings - Figures\AutoCAD\Sheet\W2176-005A-C-DSGN.dwg

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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)

Tighe & Bond

COMMONWEALTH OF MASSACHUSETTS
 FRANCIS J. HOEY III
 CIVIL
 No. 40111
 REGISTERED PROFESSIONAL ENGINEER
 04/27/23

COMMONWEALTH OF MASSACHUSETTS
 DENNIS G. MORAN
 CIVIL
 No. 53931
 REGISTERED PROFESSIONAL ENGINEER
 4/27/23

SUPPLEMENTAL PERMIT DATA
 NOT FOR CONSTRUCTION

Weymouth Neck Infrastructure Improvements Project

Town of Weymouth, MA

Weymouth, Massachusetts

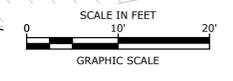
- NOTES:**
1. THE MAJORITY OF THE LIMIT OF WORK LANDWARD OF THE SEAWALL IS LOCATED WITHIN THE 100-FOOT BUFFER ZONE (COASTAL DUNE OR COASTAL BANK/SEAWALL)
 2. THE DATA PROVIDED ON THE 600 SERIES DRAWINGS ARE INTENDED TO SUPPLEMENT THIS PERMIT APPLICATION ONLY AND WILL NOT BE INCLUDED IN THE FINAL CONSTRUCTION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

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.609





SUPPLEMENTAL PERMIT DATA
NOT FOR CONSTRUCTION

Weymouth Neck Infrastructure Improvements Project

Town of Weymouth, MA

Weymouth, Massachusetts

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

RESOURCE AREA IMPACT PLANS

SCALE: AS SHOWN

C.610

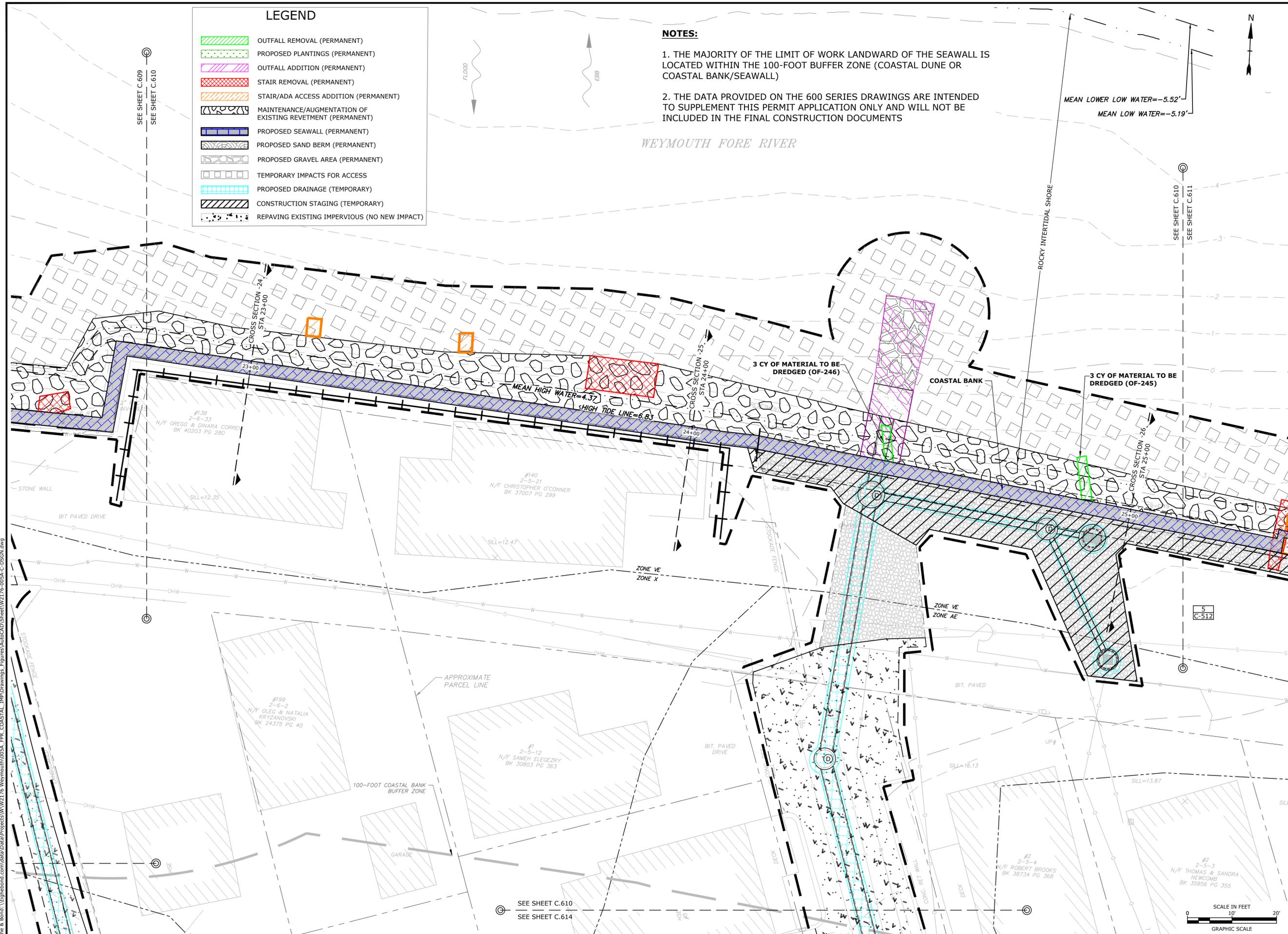
LEGEND

- 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:

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WEYMOUTH FORE RIVER



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SUPPLEMENTAL PERMIT DATA
NOT FOR CONSTRUCTION

Weymouth Neck Infrastructure Improvements Project

Town of Weymouth, MA

Weymouth, Massachusetts

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

RESOURCE AREA IMPACT PLANS

SCALE: AS SHOWN

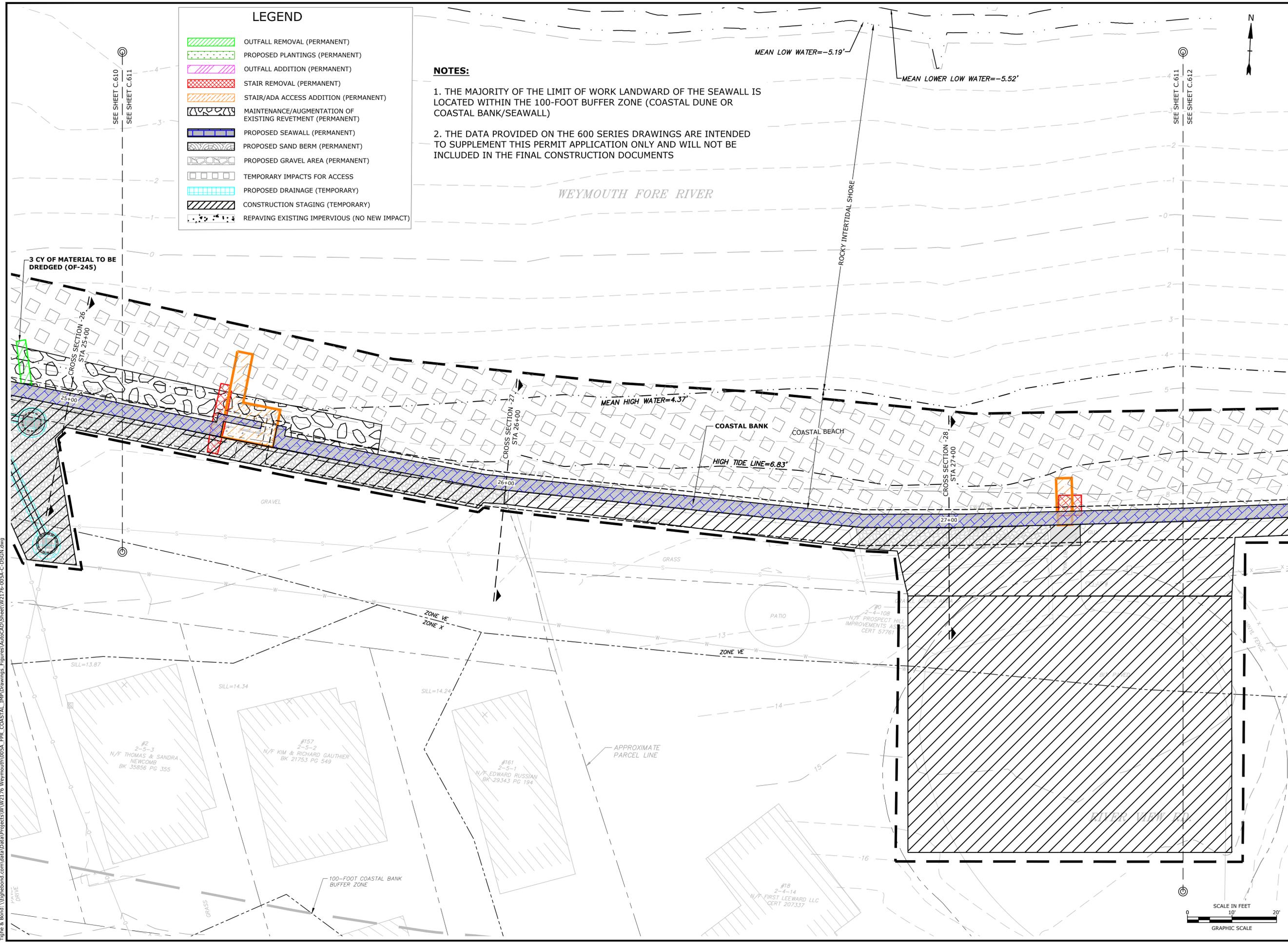
C.611

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)

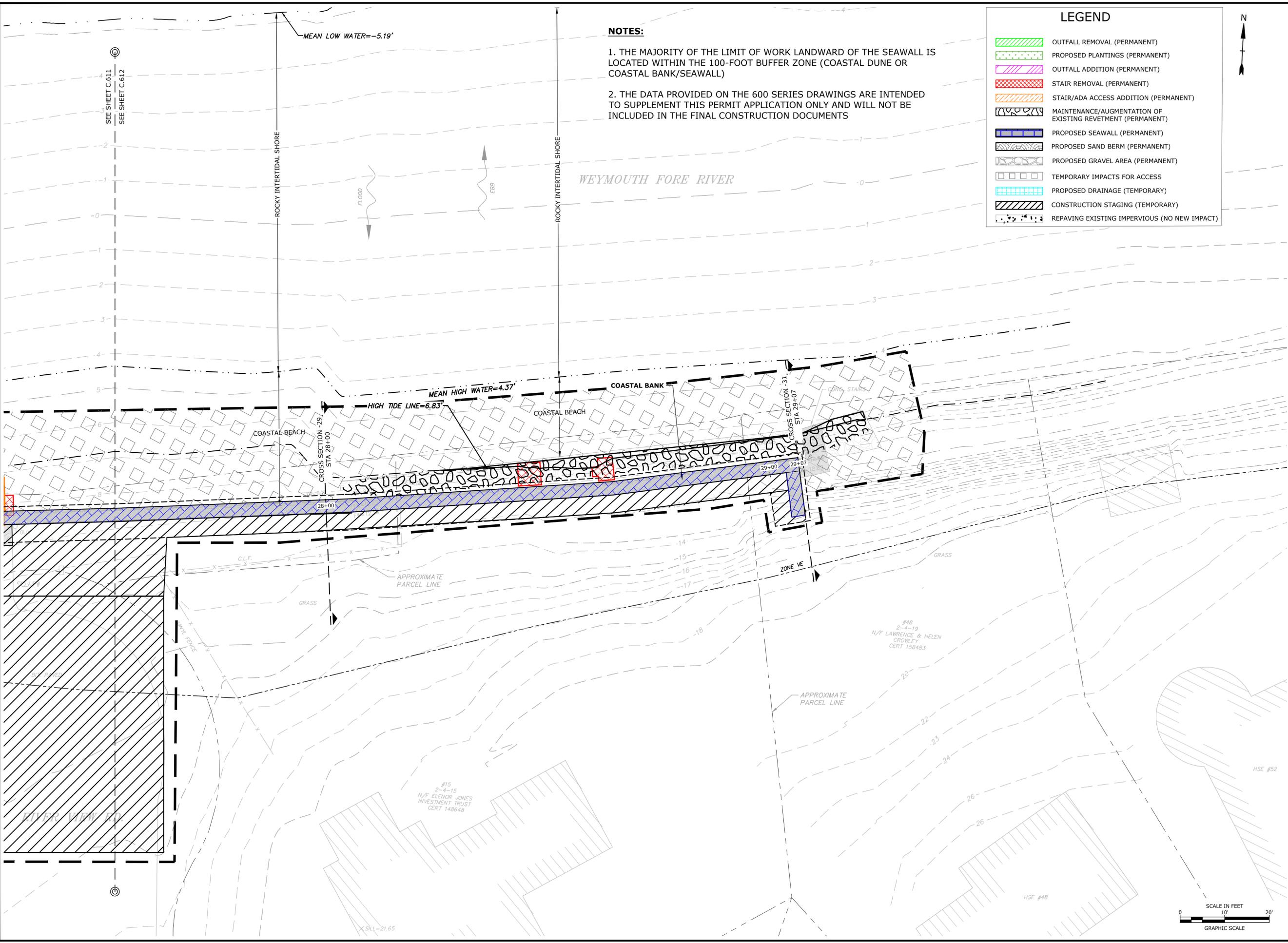
NOTES:

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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)



Tighe & Bond



SUPPLEMENTAL PERMIT DATA
NOT FOR CONSTRUCTION

Weymouth Neck Infrastructure Improvements Project

Town of Weymouth, MA

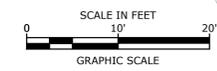
Weymouth, Massachusetts

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DATE:	January 3, 2023	
FILE:	W2176-005A-C-D05GN.dwg	
DRAWN BY:	TAL/MKF/CJK	
CHECKED:	DGM	
APPROVED:	FJH	

RESOURCE AREA IMPACT PLANS

SCALE: AS SHOWN

C.612

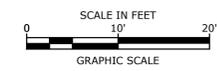
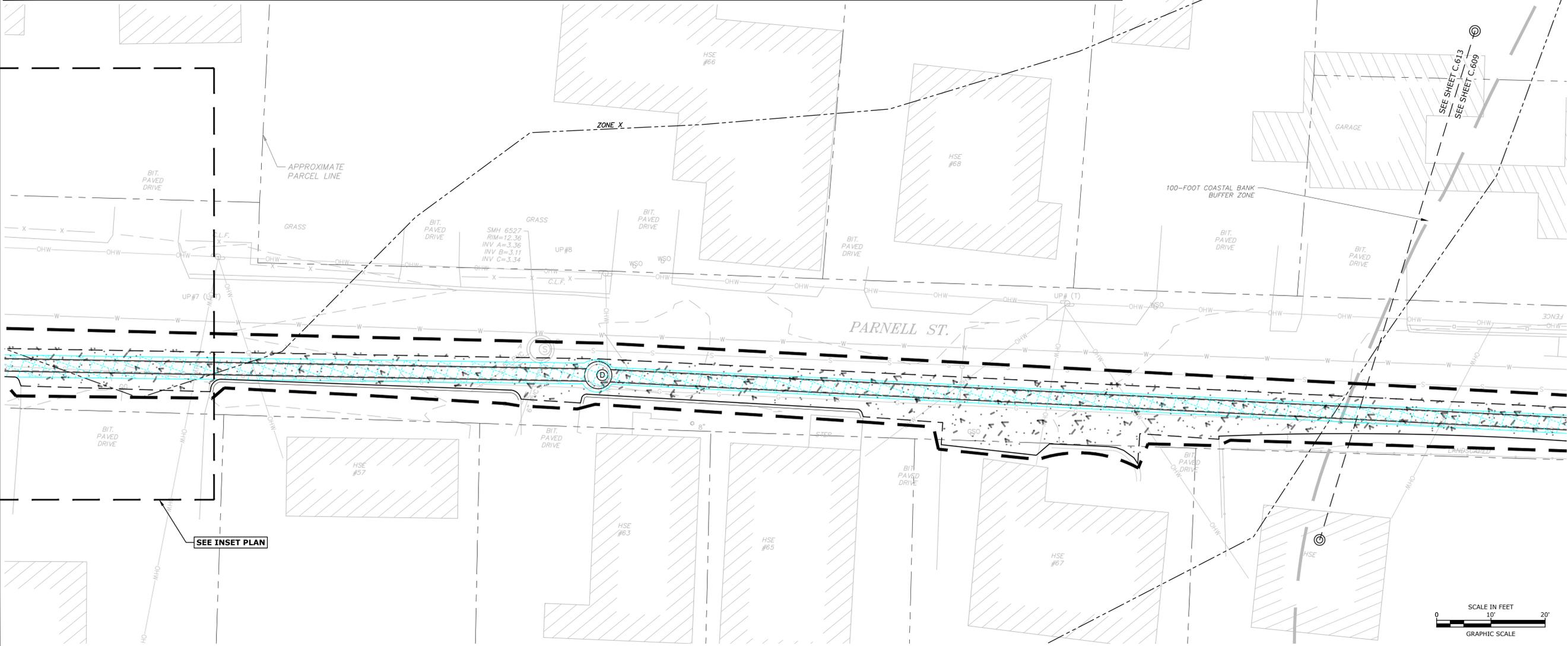
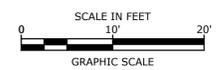
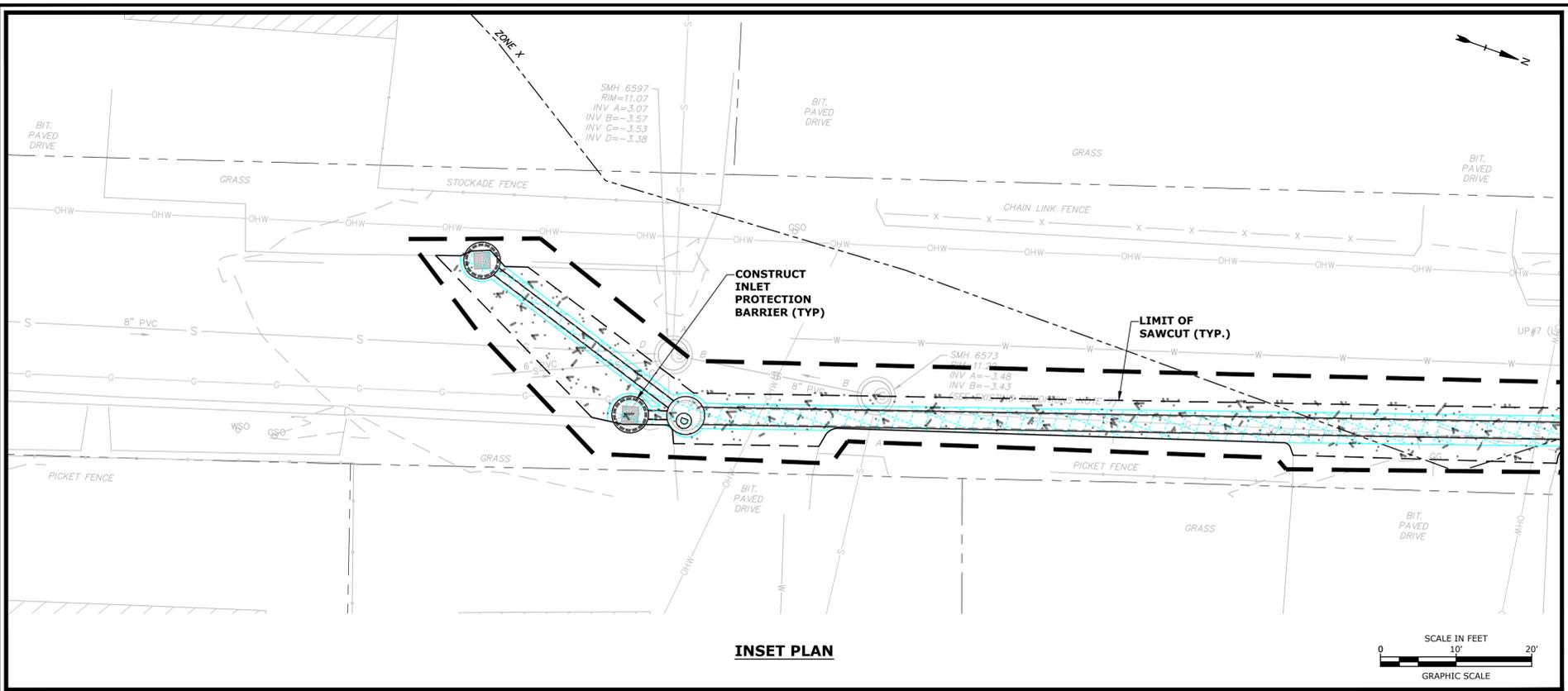




LEGEND

	OUTFALL REMOVAL (PERMANENT)
	PROPOSED PLANTINGS (PERMANENT)
	OUTFALL ADDITION (PERMANENT)
	STAIR REMOVAL (PERMANENT)
	STAIR/ADA ACCESS ADDITION (PERMANENT)
	MAINTENANCE/AUGMENTATION OF EXISTING REVEMENT (PERMANENT)
	PROPOSED SEAWALL (PERMANENT)
	PROPOSED SAND BERM (PERMANENT)
	PROPOSED GRAVEL AREA (PERMANENT)
	TEMPORARY IMPACTS FOR ACCESS
	PROPOSED DRAINAGE (TEMPORARY)
	CONSTRUCTION STAGING (TEMPORARY)
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Weymouth Neck Infrastructure Improvements Project

Town of Weymouth, MA

Weymouth, Massachusetts

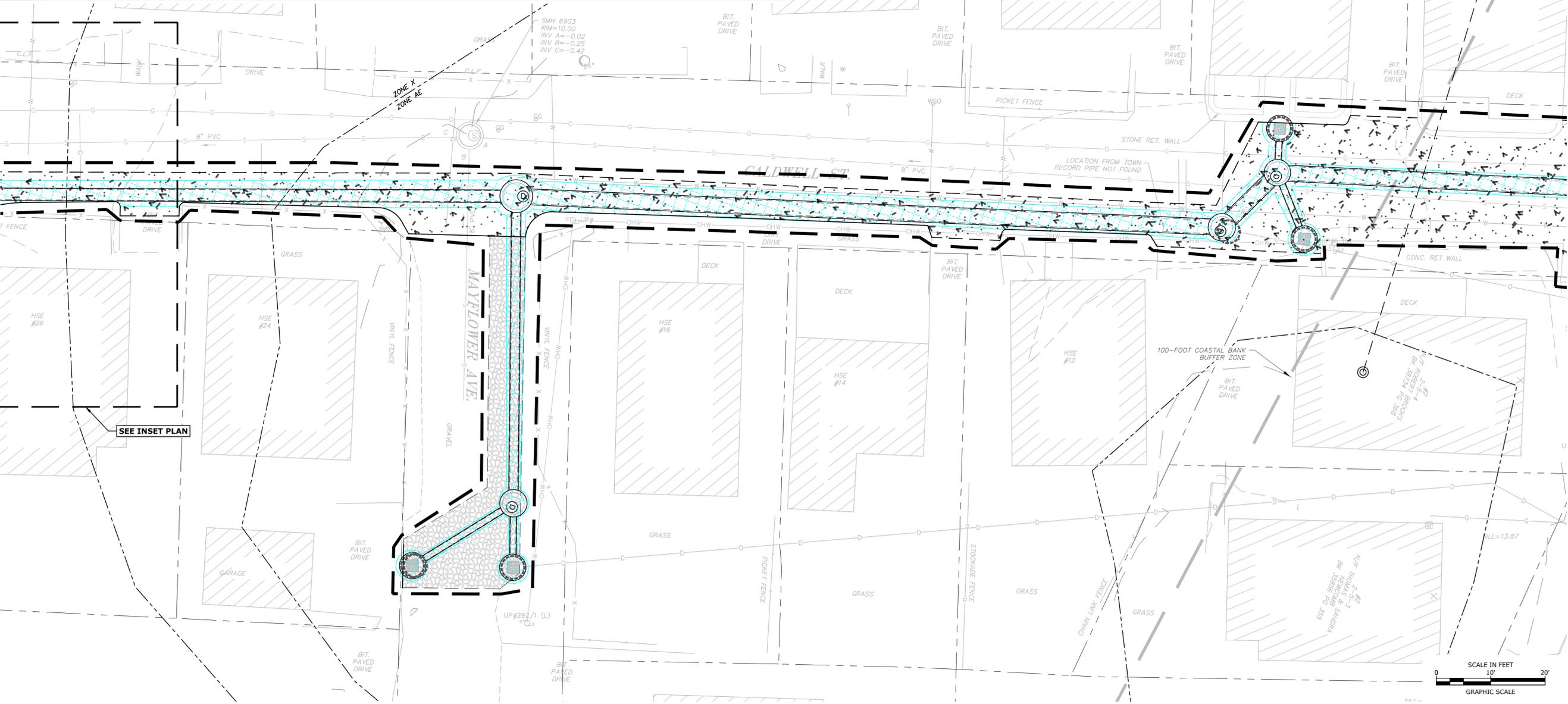
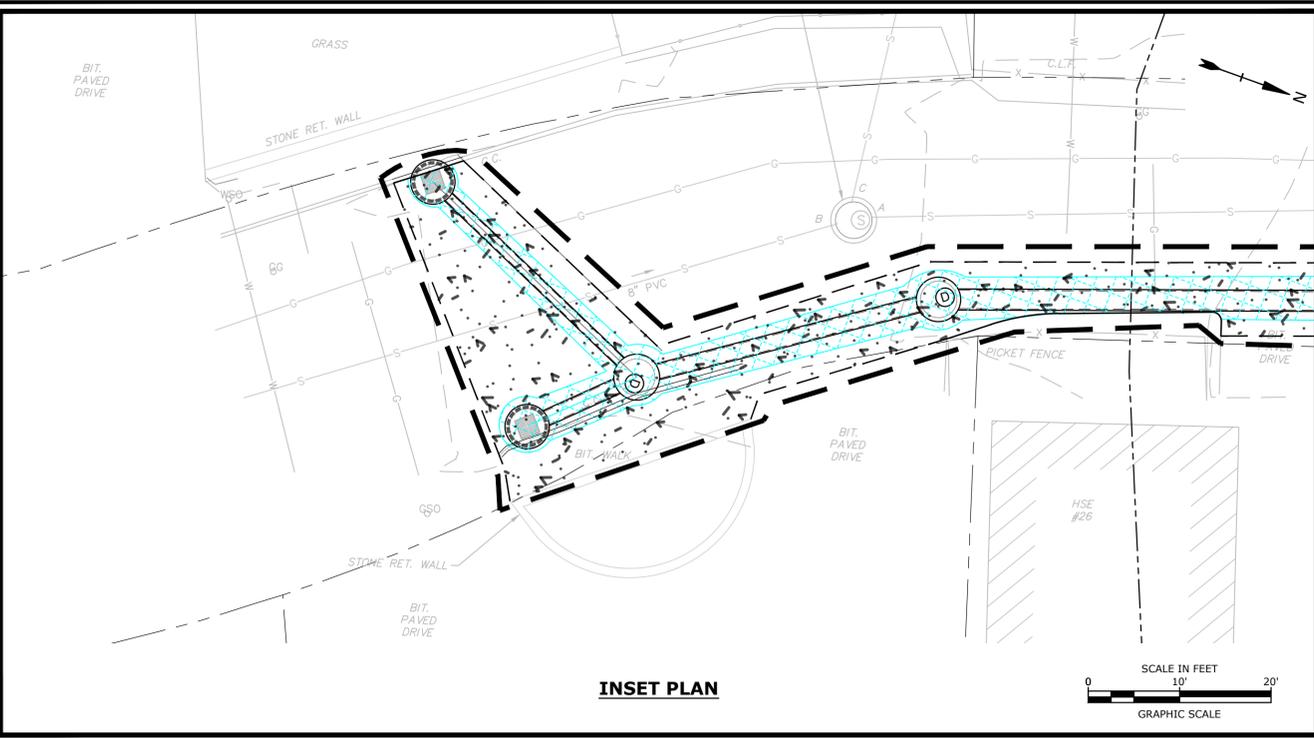
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DRAWN BY:	TAL/MKF/CJK	
CHECKED:	DGM	
APPROVED:	FJH	

RESOURCE AREA IMPACT PLANS

SCALE: AS SHOWN

C.613

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NOTES:

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LEGEND

- OFFFALL REMOVAL (PERMANENT)
- PROPOSED PLANTINGS (PERMANENT)
- OFFFALL ADDITION (PERMANENT)
- STAIR REMOVAL (PERMANENT)
- STAIR/ADA ACCESS ADDITION (PERMANENT)
- MAINTENANCE/AUGMENTATION OF EXISTING REVEITEMENT (PERMANENT)
- PROPOSED SEAWALL (PERMANENT)
- PROPOSED SAND BERM (PERMANENT)
- PROPOSED GRAVEL AREA (PERMANENT)
- TEMPORARY IMPACTS FOR ACCESS
- PROPOSED DRAINAGE (TEMPORARY)
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Weymouth Neck Infrastructure Improvements Project

Town of Weymouth, MA

Weymouth, Massachusetts

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RESOURCE AREA IMPACT PLANS

SCALE: AS SHOWN

C.614

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