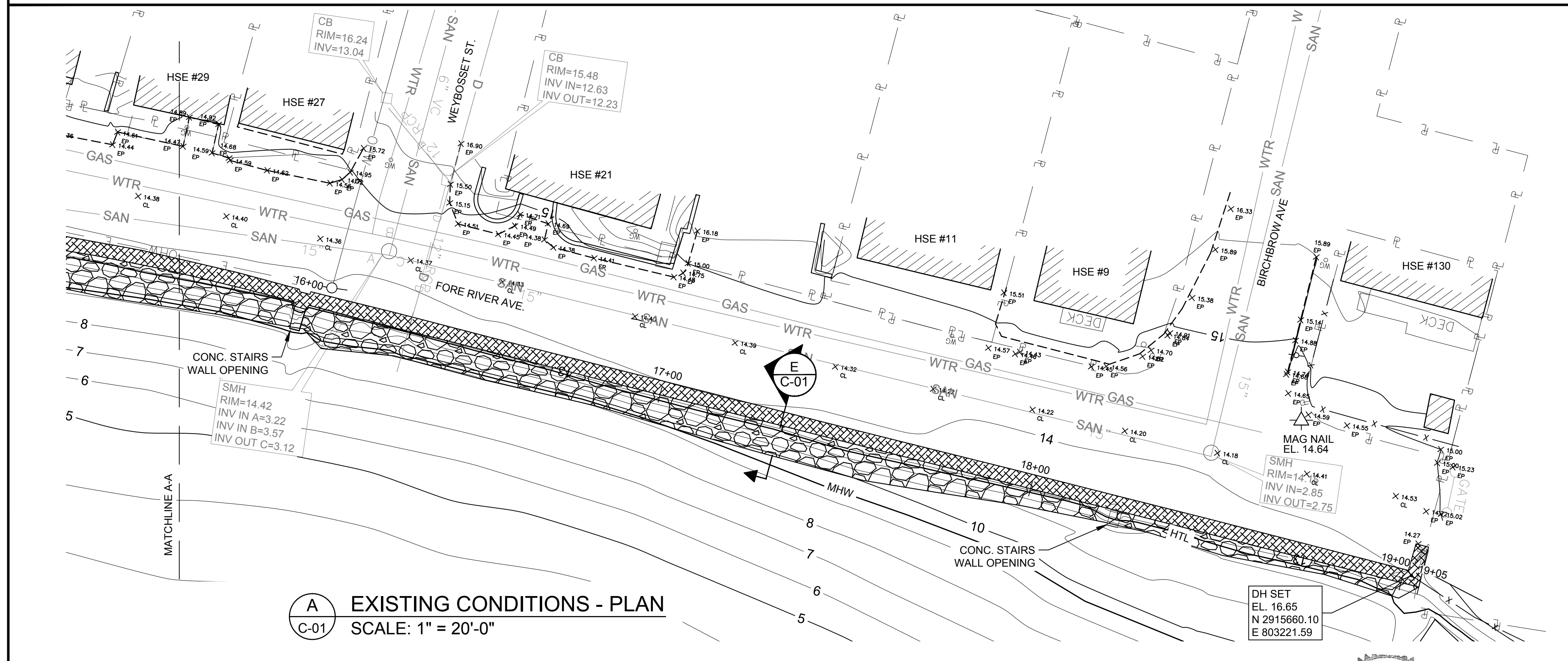
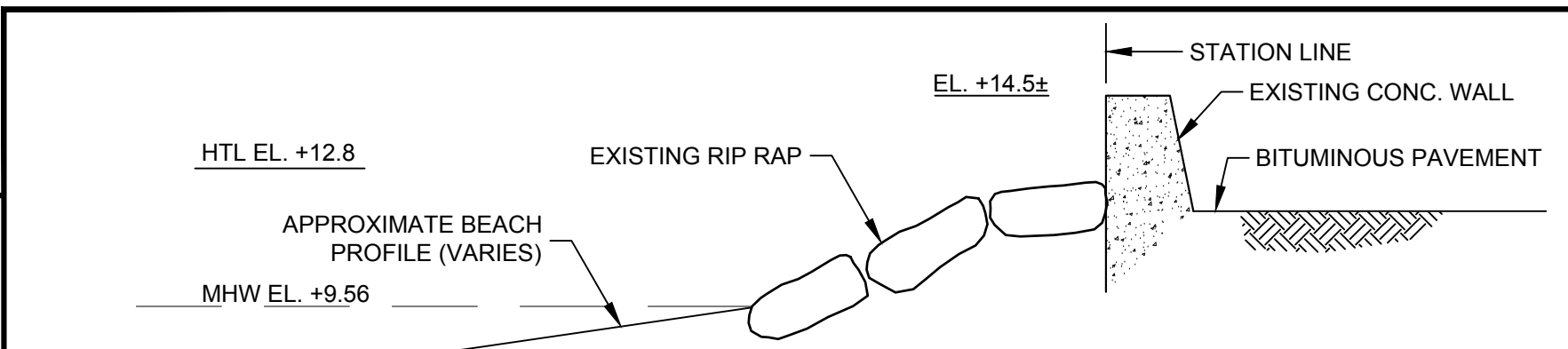


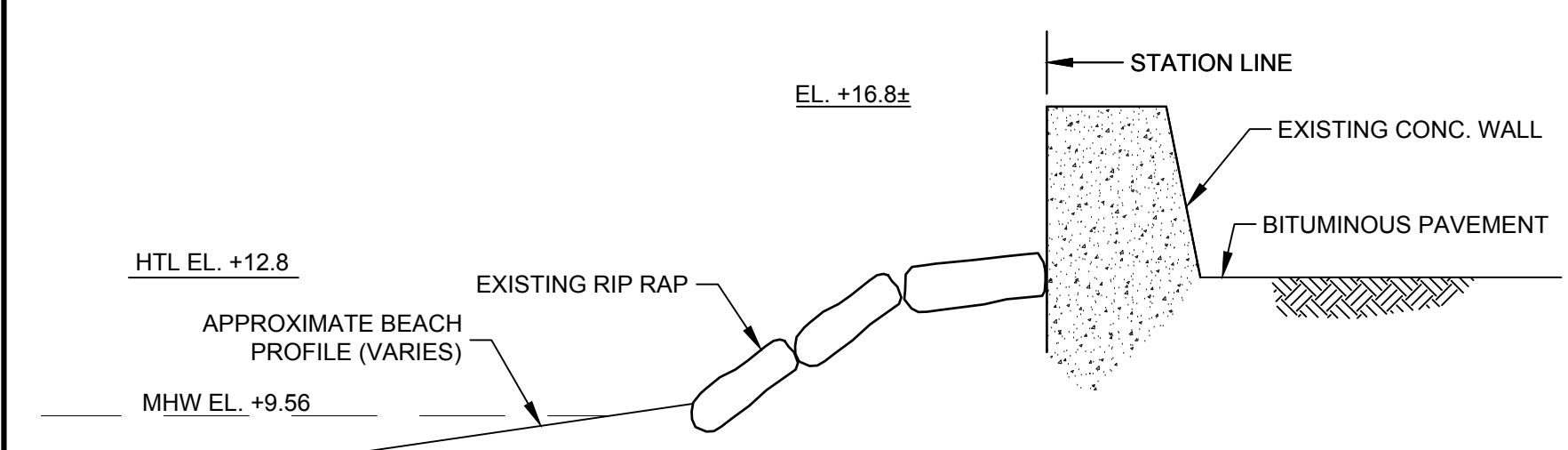
**A** EXISTING CONDITIONS - PLAN  
SCALE: 1" = 20'-0"



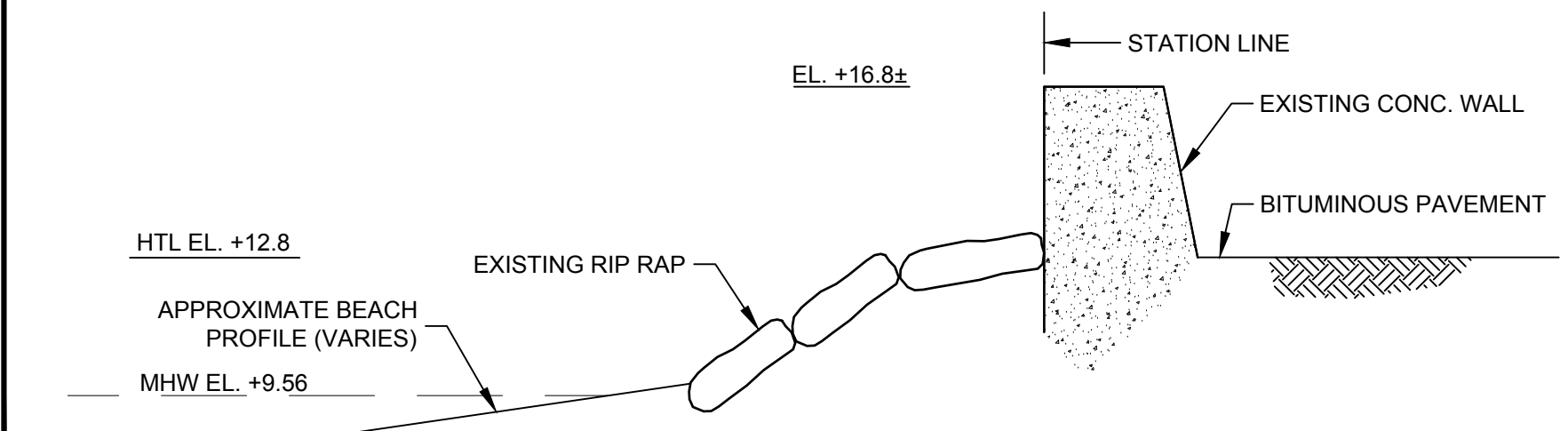
**A** EXISTING CONDITIONS - PLAN  
SCALE: 1" = 20'-0"



**C** EXISTING CONDITIONS - SECTION  
SCALE: 1/4"=1'-0"



**D** EXISTING CONDITIONS - SECTION  
SCALE: 1/4"=1'-0"

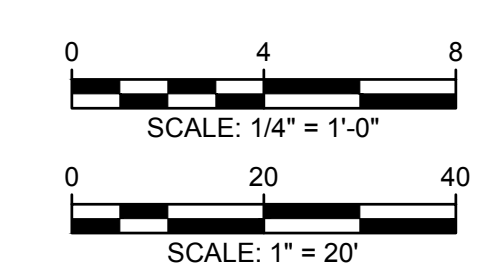


**E** EXISTING CONDITIONS - SECTION  
SCALE: 1/4"=1'-0"

For Bid

SEE DRAWING C-02  
FOR NOTES

DATUM	100 YR	+19.4
HTL		+12.8
MHW		+9.56
NAVD 88		+5.17
NGVD 1929		+4.37
MLW		0.0
TOWN OF WEYMOUTH		-1.46



Attention:  
If this scale bar  
does not measure  
1" then drawing is  
not original scale.

NO.	DATE	ISSUE/REVISION	APP
0			



Designed: BAP  
Checked: RJT  
Drawn: JSK  
Submitted By: RJT  
P.E. Number: -

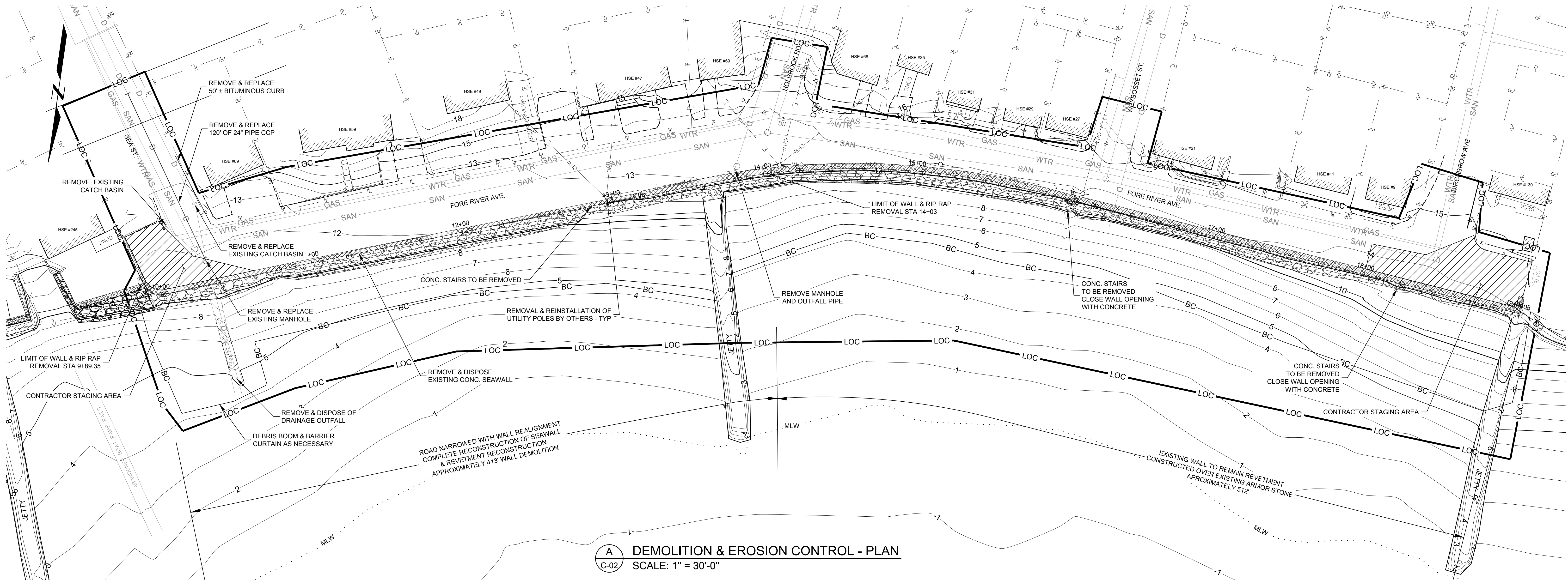


Town of Weymouth - DPW  
120 Winter St  
Weymouth, MA 02188  
GEI Project 1702121

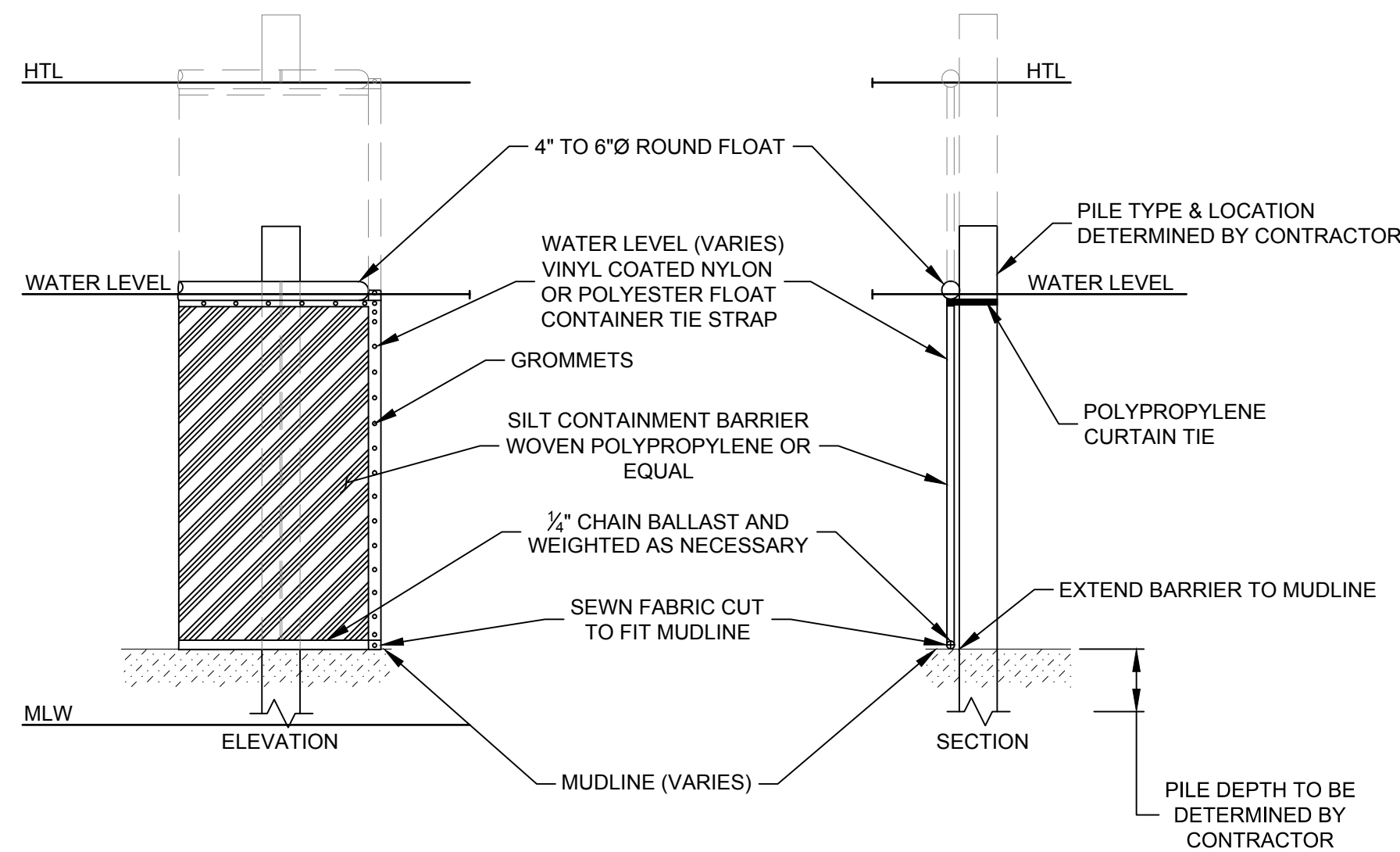
Fore River Ave Seawall Replacement  
Weymouth, MA  
EXISTING CONDITIONS  
PLAN & SECTIONS

DWG. NO.  
**C-01**  
SHEET NO.  
**2 OF 8**





**A**  
C-02 **DEMOLITION & EROSION CONTROL - PLAN**  
SCALE: 1" = 30'-0"



**B**  
C-02 **DEBRIS BOOM / BARRIER CURTAIN DETAIL**  
SCALE: NTS

**SURVEY NOTES:**

- PLAN IS BASED ON SURVEY PROVIDED BY ALPHA SURVEY DATED MARCH 18, 2011.
- COORDINATES, IN U.S. SURVEY FEET, ARE IN THE MASSACHUSETTS STATE PLANE COORDINATE SYSTEM REFERENCED TO THE NORTH AMERICAN DATUM OF 1983 (NAD83), CORS ADJUSTMENT (NA D83/CORS) AS DETERMINED BY GPS OBSERVATIONS MADE ON MARCH 4, 2011 USING THE KEYNET GPS VIRTUAL REFERENCE SYSTEM (VRS) NETWORK.
- ELEVATIONS, IN U.S. SURVEY FEET, ARE REFERENCED TO NAVD88 USING BENCHMARK: STATION 93 A POINT ID 7598 DESCRIBED AS A MAGS DISK IN CONCRETE MONUMENT ELEV=102.842 (NGVD29). THE ELEVATIONS AND CONTOURS SHOWN HEREON WERE CONVERTED TO MEAN LOW WATER DATUM.
- THE INFORMATION SHOWN HEREON IS BASED ON AN ON-THE-GROUND SURVEY PERFORMED BETWEEN MARCH 4 & 17, 2011.
- STATION LINE SHOWN IS ALONG THE OUTSHORE FACE OF THE EXISTING SEAWALL CAP.

**UTILITY NOTE:**

ALL UNDERGROUND UTILITIES SHOWN ARE APPROXIMATE ONLY AND WERE COMPILED ACCORDING TO AVAILABLE RECORD PLANS FROM THE VARIOUS UTILITY COMPANIES AND PUBLIC AGENCIES. ACTUAL LOCATIONS MUST BE DETERMINED IN THE FIELD. BEFORE DESIGNING, EXCAVATING, BLASTING, INSTALLING, BACK FILLING, GRADING, PAVEMENT RESTORATION OR REPAIRING, ALL UTILITY COMPANIES, PUBLIC & PRIVATE, MUST BE NOTIFIED INCLUDING THOSE IN CONTROL OF UTILITIES NOT SHOWN ON THIS PLAN. SEE CHAPTER 370, ACTS OF 1983, MASSACHUSETTS. ALPHA LS ASSUMES NO RESPONSIBILITY FOR DAMAGES INCURRED AS A RESULT OF UTILITIES OMITTED OR INACCURATELY SHOWN. BEFORE FUTURE CONNECTIONS, THE APPROPRIATE UTILITY ENGINEERING DEPARTMENTS MUST BE CONSULTED. CALL "DIG SAFE" AT 811.

**NOTES:**

**SITE PROTECTION AND EROSION CONTROL:**

- CONTRACTOR SHALL MAINTAIN SECURITY FENCING AROUND ALL WORK AREAS AND OPEN EXCAVATIONS.
- CONTRACTOR SHALL MAINTAIN SILT CURTAINS AROUND 200 FT ACTIVE WORK ZONES FOR PROTECTION OF NATURAL RESOURCES AND IN ACCORDANCE TO LOCAL, STATE, AND FEDERAL REQUIREMENTS.
- CONTRACTOR SHALL PROVIDE A SILT FENCE AROUND EXCAVATIONS AND STOCKPILES AS REQUIRED.
- CONTRACTOR SHALL PROVIDE PROTECTION TARPS TO CAPTURE DEMOLITION DEBRIS DURING CONSTRUCTION, DEMOLITION, AND SURFACE PREPARATION.
- TARPS TO BE REMOVED DAILY; DEBRIS TO BE COLLECTED AND DISPOSED IN AN APPROVED CONTAINER AND APPROVED LOCATION.
- CONTRACTOR SHALL INSTALL ALL SIGNAGE PRIOR TO INITIATION OF CONSTRUCTION ACTIVITIES INCLUDING DEP FILE NUMBER AND FEDERAL AND STATE AND LOCAL MANDATED WORK PLACE SIGNAGE.
- CONTRACTOR SHALL HAVE IN-PLACE TRASH AND SANITARY FACILITIES FOR THE WORK PLACE.
- EXISTING STRUCTURES AND ADJACENT AREAS WITHIN THE PROXIMITY OF THE WORK SHALL BE PROTECTED TO PREVENT ACCIDENTAL DAMAGE BY CONSTRUCTION ACTIVITIES.
- THE CONTRACTOR SHALL PROVIDE A PHOTOGRAPHIC AND VIDEO RECORD OF EXISTING SITE CONDITIONS OF THE WORK AREA, BUILDINGS AND AREAS DIRECTLY ADJACENT TO WORK AREAS AS REQ'D PRIOR TO COMMENCING ANY WORK.
- DISCOVERY OF INCONSISTENT SITE INFORMATION OR CONDITIONS SHALL BE IMMEDIATELY CONVEYED TO THE RESIDENT ENGINEER PRIOR TO COMMENCING OR CONTINUING CONSTRUCTION.
- THE CONTRACTOR SHALL VERIFY EXACT LOCATIONS OF UTILITIES AND EXISTING STRUCTURES AS MAY BE REQUIRED.
- THE CONTRACTOR SHALL BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES OCCURRING AS A RESULT OF THE CONTRACTOR'S FAILURE TO LOCATE AND PROTECT UNDERGROUND UTILITIES AND STRUCTURES. ALL REPAIRS SHALL BE MADE AT THE CONTRACTOR'S EXPENSE.
- CONTRACTOR SHALL SUPPLY ALL NECESSARY TEMPORARY UTILITIES FOR CONSTRUCTION INCLUDING WATER, POWER, LIGHTING, DATA AND TELEPHONE.
- CONTRACTOR SHALL READ AND UNDERSTAND ALL REGULATORY CONDITIONS ASSOCIATED WITH THE PROJECT AND SHALL COMPLY WITH ALL ENVIRONMENTAL REQUIREMENTS AND PERMIT CONDITIONS.
- CONTRACTOR IS RESPONSIBLE FOR SITE SAFETY AND SHALL PROVIDE SIGNAGE, TEMPORARY BARRIERS, FENCING, OR EQUIVALENT TO PREVENT UNAUTHORIZED ACCESS INTO WORK AREAS AT ALL TIMES.
- ALL CONSTRUCTION ACTIVITY SHALL BE IN ACCORDANCE WITH OSHA STANDARDS AND LOCAL AND STATE REGULATIONS.

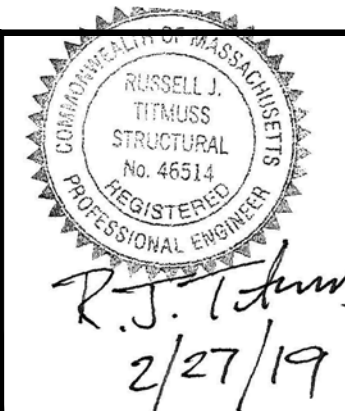
**CONCRETE DEMOLITION AND SURFACE PREPARATION:**

- ALL DEMOLITION OF CONCRETE SHALL BE DONE IN LARGE SIZED SECTIONS TO THE MAXIMUM DEGREE POSSIBLE FOR MACHINE HANDLING. NO DEMOLITION OF CONCRETE TO PIECES SMALLER THAN 3' WILL BE ALLOWED.
- SEAWALL FACE SECTIONS TO BE ENCAPSULATED SHALL BE CHIPPED DOWN A MINIMUM OF 10 INCHES AT FACE OR TO SOUND CONCRETE.
- ALL DEMOLITION MATERIAL SHALL BE REMOVED FROM THE SITE & DISPOSED OF PROPERLY.

DATUM	
100 YR	+19.4
HTL	+12.8
MHW	+9.56
NAVD 88	+5.17
NGVD 1929	+4.37
MLW	0.0
TOWN OF WEYMOUTH	-1.46



Attention:				
If this scale bar does not measure 1\"/>				
NO.	DATE	ISSUE/REVISION	APP	
0				



Designed:	BAP
Checked:	RJT
Drawn:	JSK
Submitted By:	RJT
P.E. Number:	-



Town of Weymouth - DPW  
120 Winter St  
Weymouth, MA 02188

GEI Project 1702121

Fore River Ave Seawall Replacement  
Weymouth, MA

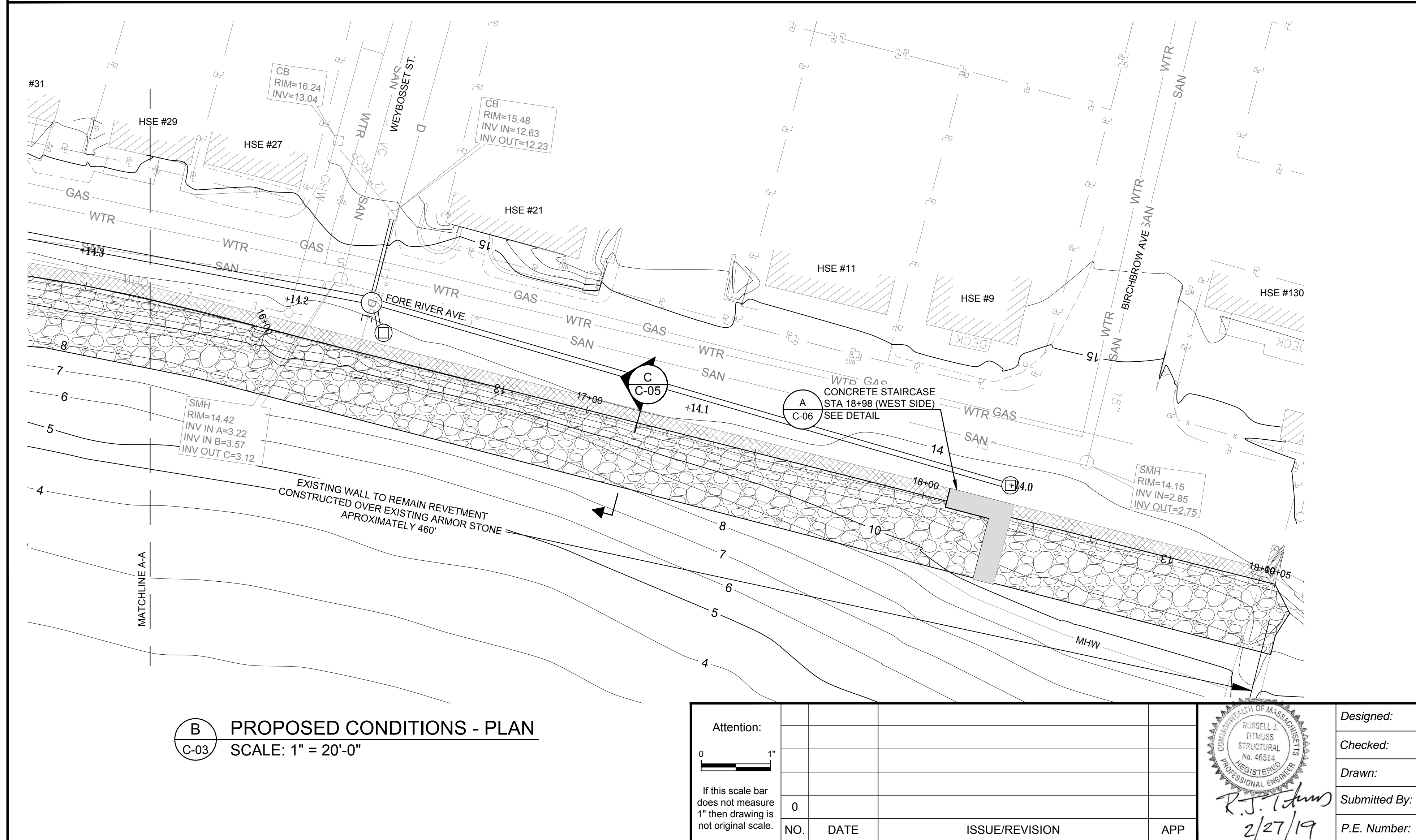
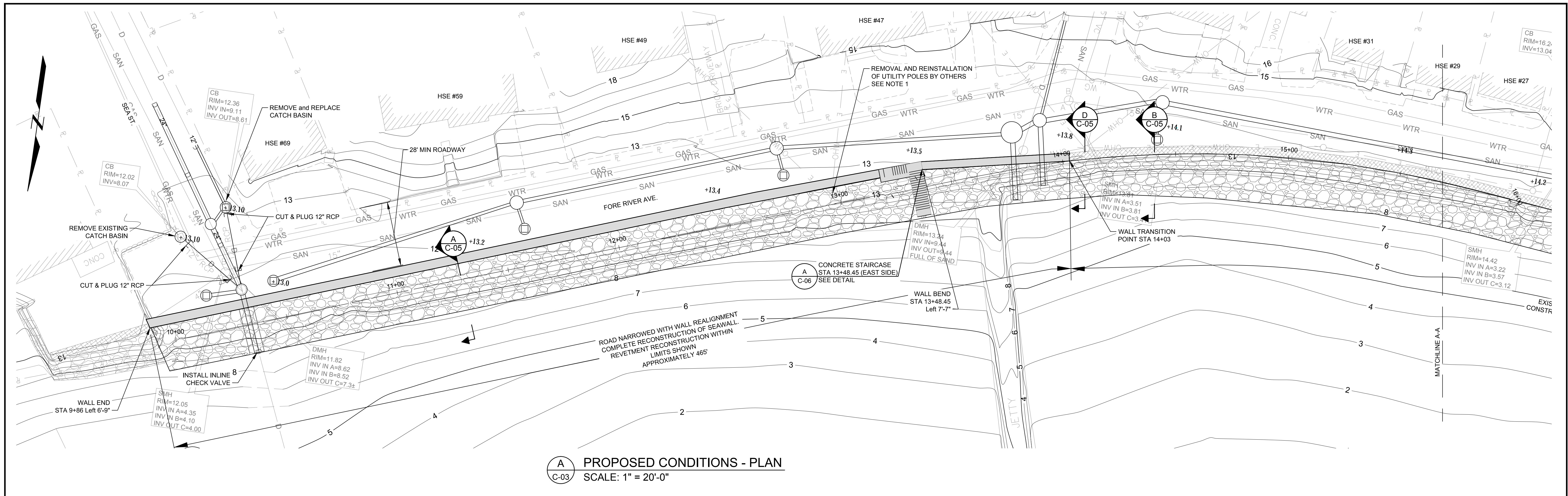
**DEMOLITION &  
EROSION CONTROL  
PLAN**

DWG. NO.  
**C-02**  
SHEET NO.  
**3 OF 8**

SEE COVER SHEET FOR LEGEND

**For Bid**



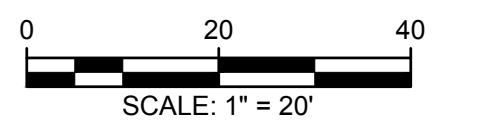


NOTES:

- POLE RELOCATION SHALL BE COORDINATED THROUGH THE TOWN AND NATIONAL GRID. CONTRACTOR, UNDER THE TOWNS DIRECTION, SHALL FORM A 30"x30" OPENING IN THE WALL FOOTING TO PROVIDE SPACE FOR ALL UTILITY POLE RELOCATIONS.
- SEE COVER SHEET FOR LEGEND
- STATION LINE COORDINATES AS FOLLOWS

	NORTHING	EASTING
10+00	2915777.50	804095.38
11+00	2915742.92	804001.92
12+00	2915709.08	804907.69
13+00	2915675.36	804813.68
14+00	2915643.51	804719.29
15+00	2915627.30	804620.62
16+00	2915631.26	804521.05
17+00	2915641.64	804423.04
18+00	2915651.99	804323.58
19+00	2915662.34	804224.11

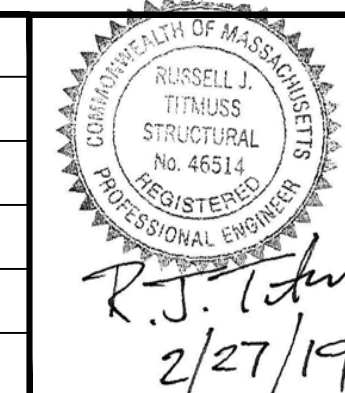
- SEE SHEET C-04 FOR DRAINAGE LAYOUT
- RAISE ALL EXISTING UTILITY COVERS TO MATCH NEW GRADES
- SEE SHEET C-07 FOR PAVEMENT DETAILS
- ALL EXISTING WALL OPENINGS AND SCUPPERS SHALL BE IN FILLED w/CONCRETE. TOTAL OF 3 SCUPPERS: STA 14+20, 16+15 & 18+10. TOTAL OF 2 WALL OPENINGS (AT STAIRS TO BE REMOVED): STA 16+00 & 18+23.



For Bid

PROPOSED CONDITIONS - PLAN  
SCALE: 1" = 20'-0"

Attention:				
0 1"				
If this scale bar does not measure 1" then drawing is not original scale.				
NO.	DATE	ISSUE/REVISION	APP	



Designed: BAP  
Checked: RJT  
Drawn: JSK  
Submitted By: RJT  
P.E. Number: -

Bourne Consulting  
Waterfront Division  
**GEI** Consultants  
GEI CONSULTANTS, INC.  
3 BENT STREET  
FRANKLIN, MA 02038  
(508)533-6666

Town of Weymouth - DPW  
120 Winter St  
Weymouth, MA 02188

GEI Project 1702121

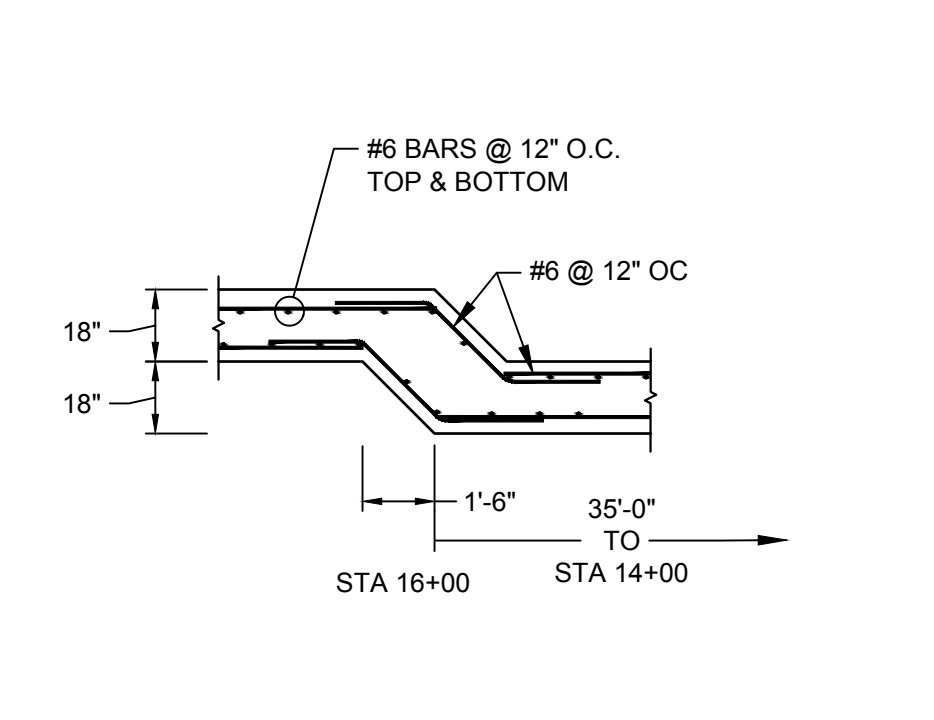
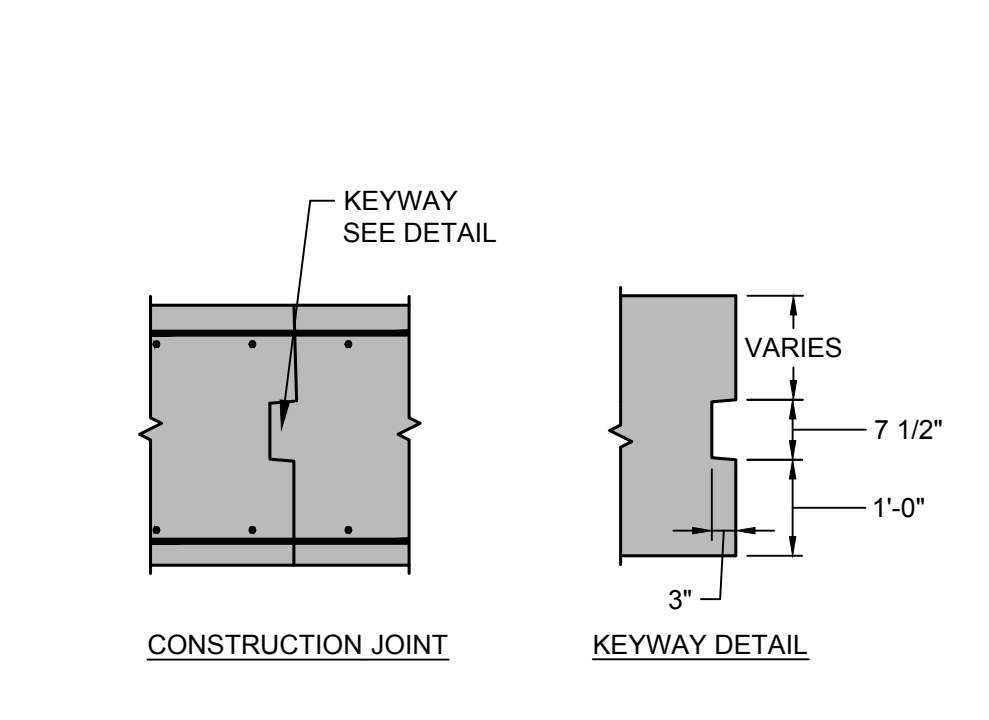
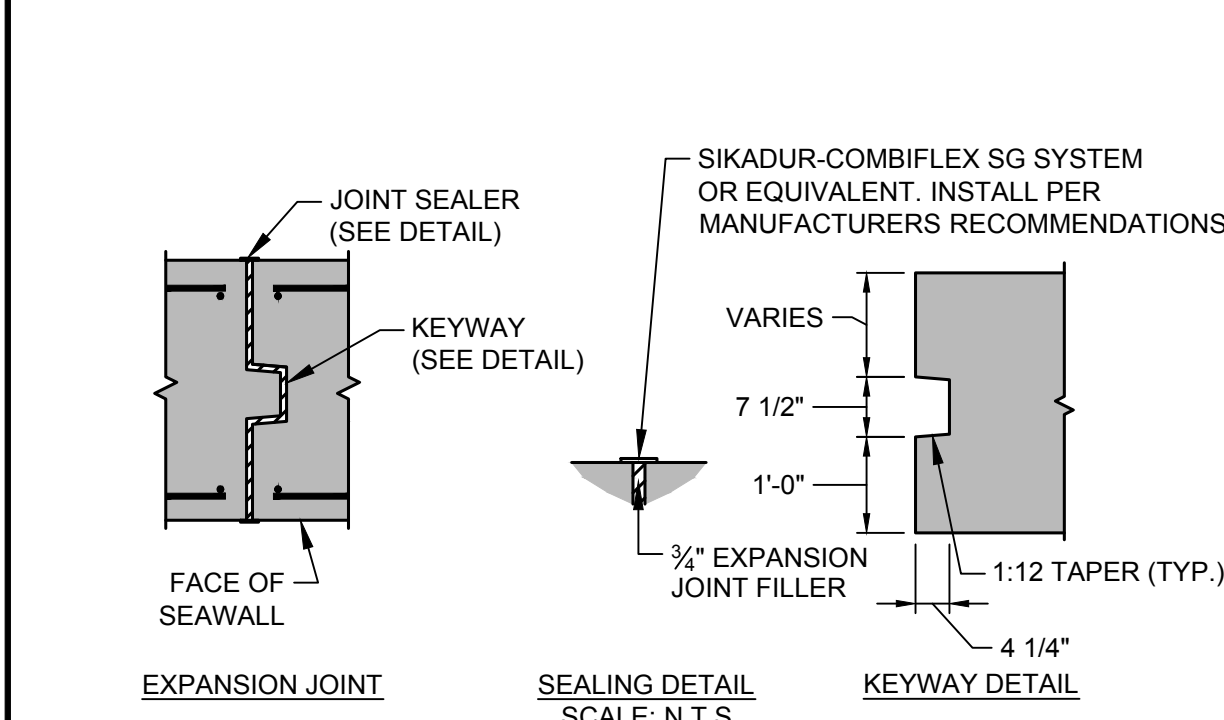
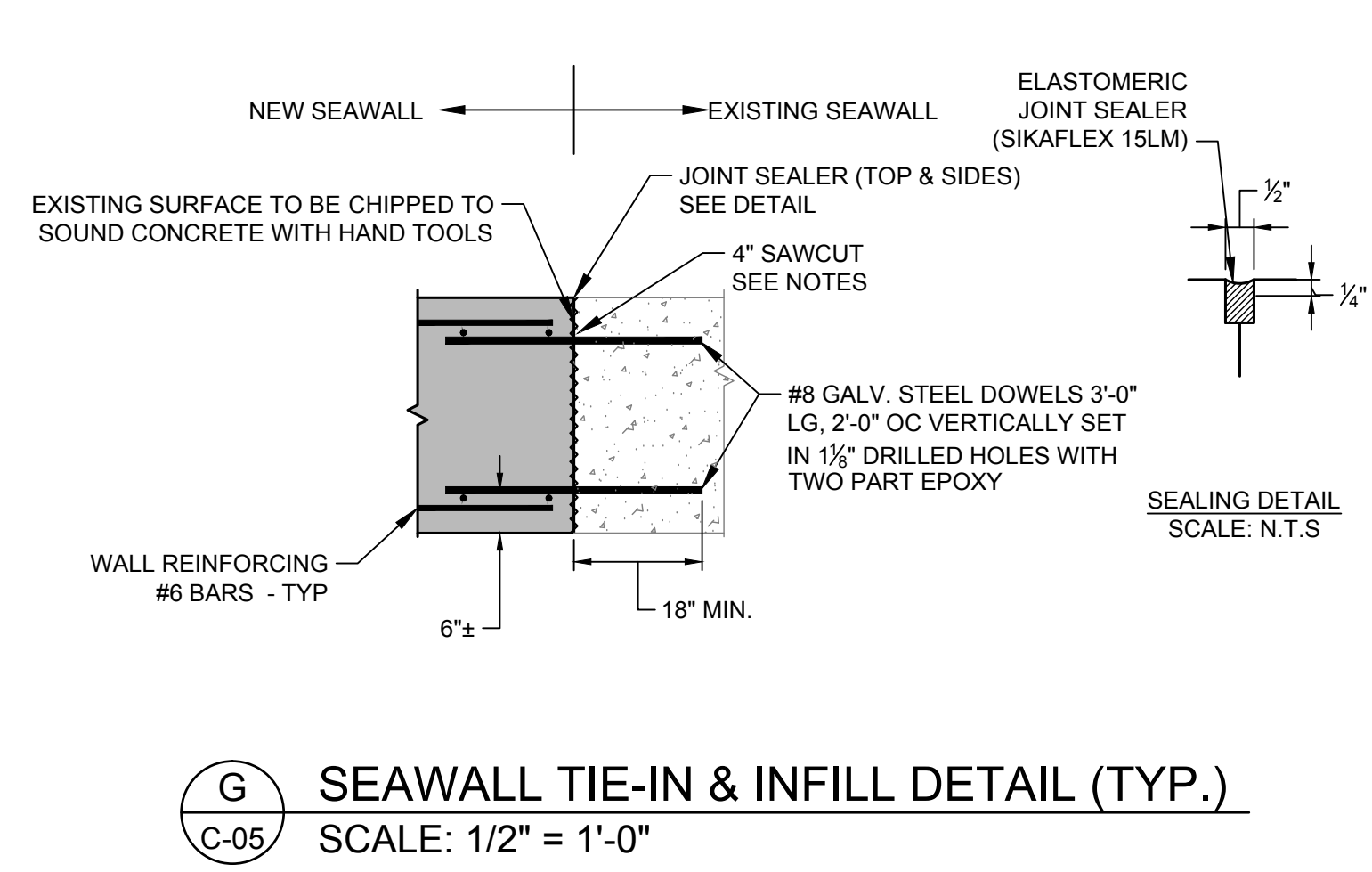
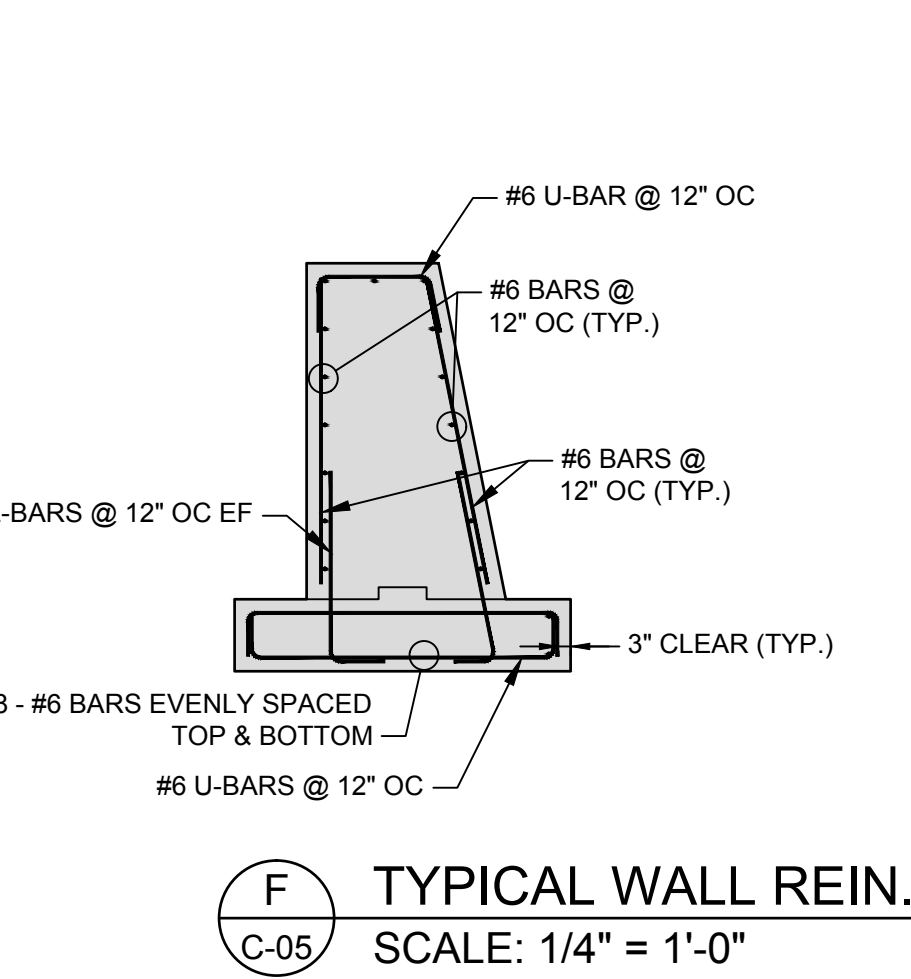
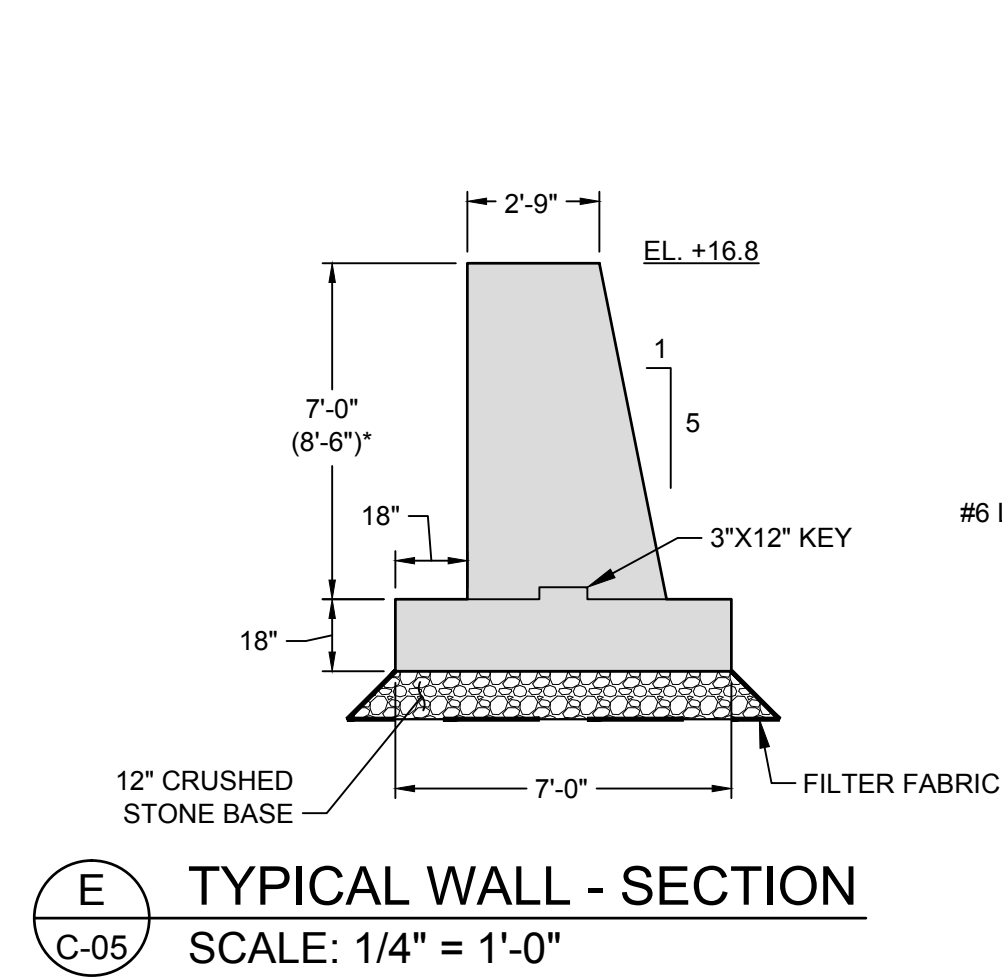
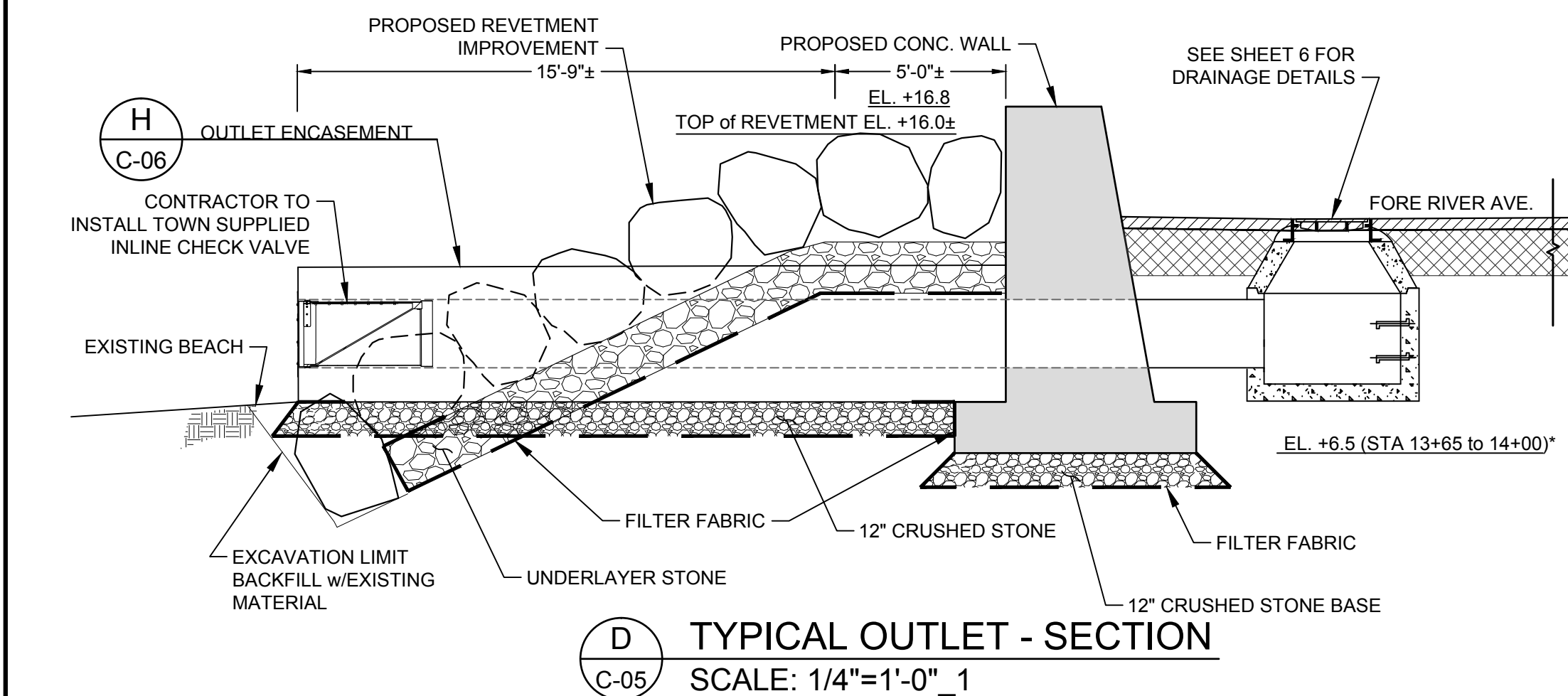
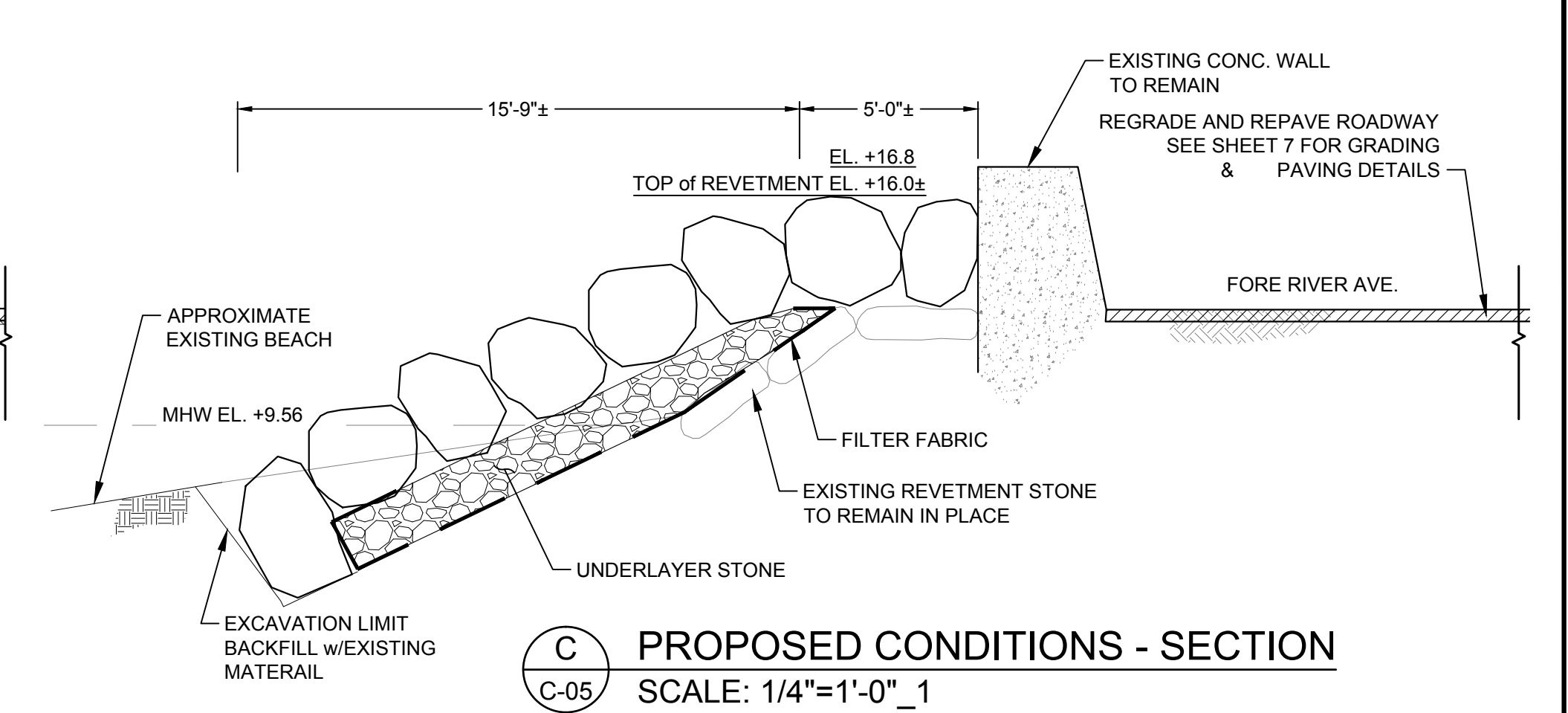
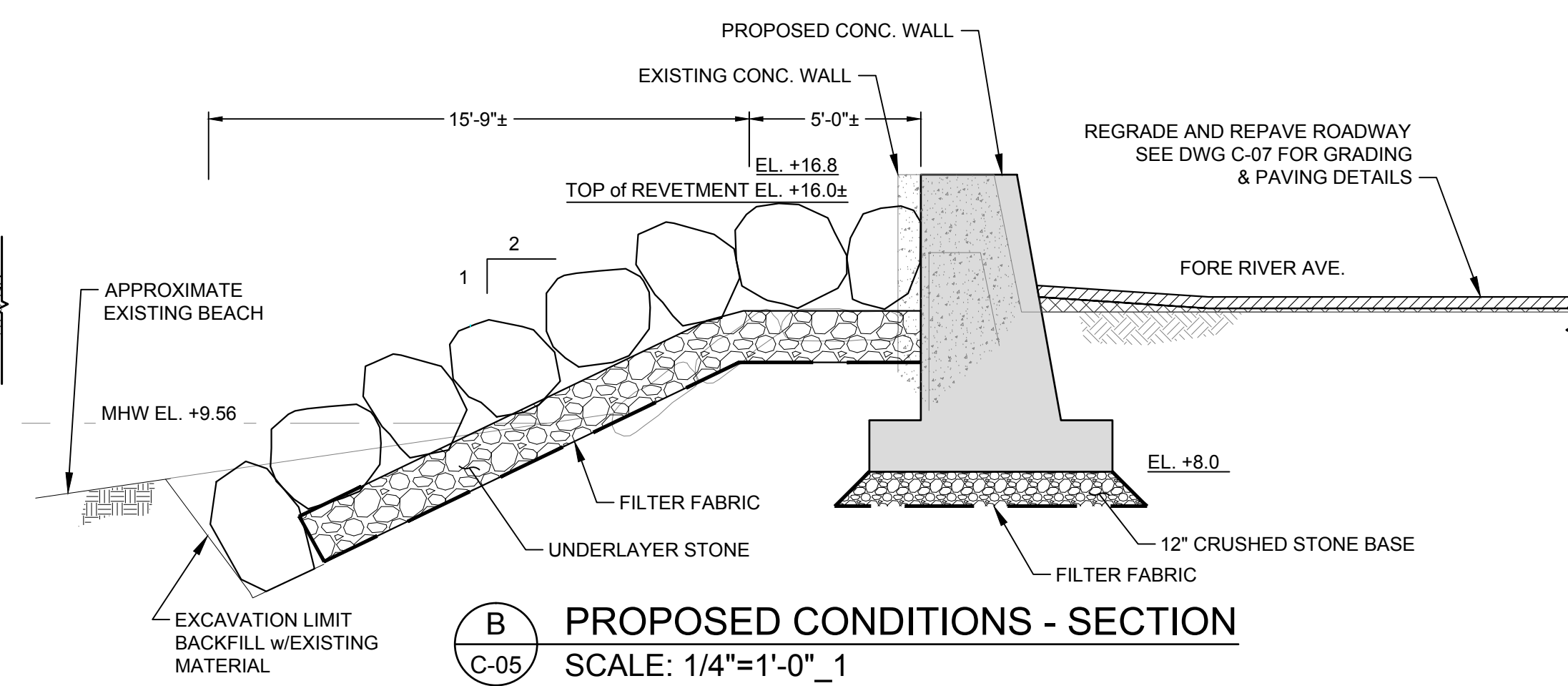
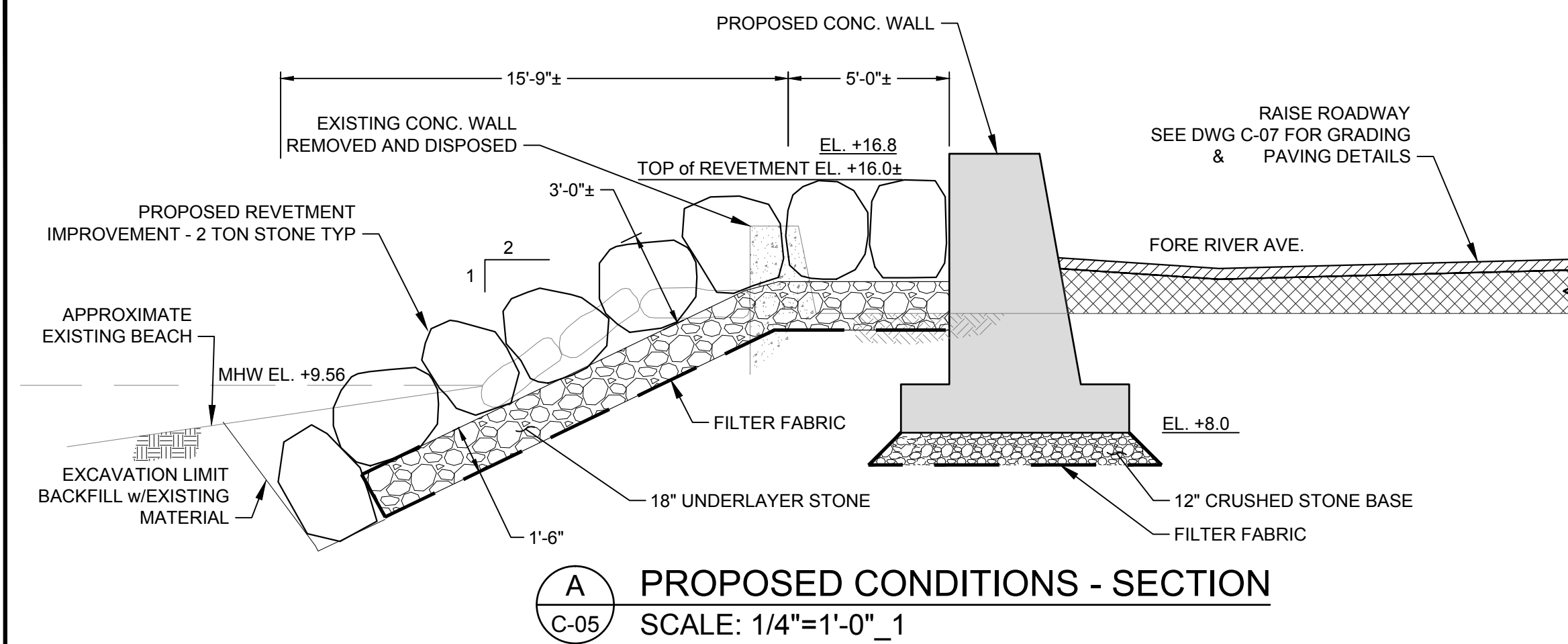
Fore River Ave Seawall Replacement  
Weymouth, MA  
**PROPOSED  
CONDITIONS PLAN**

DWG. NO.  
**C-03**  
SHEET NO.  
**4 OF 8**

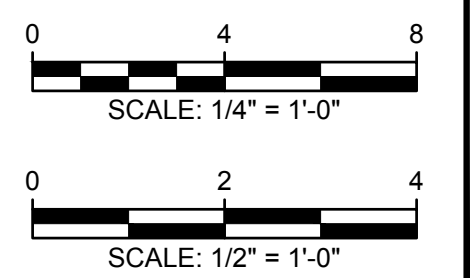











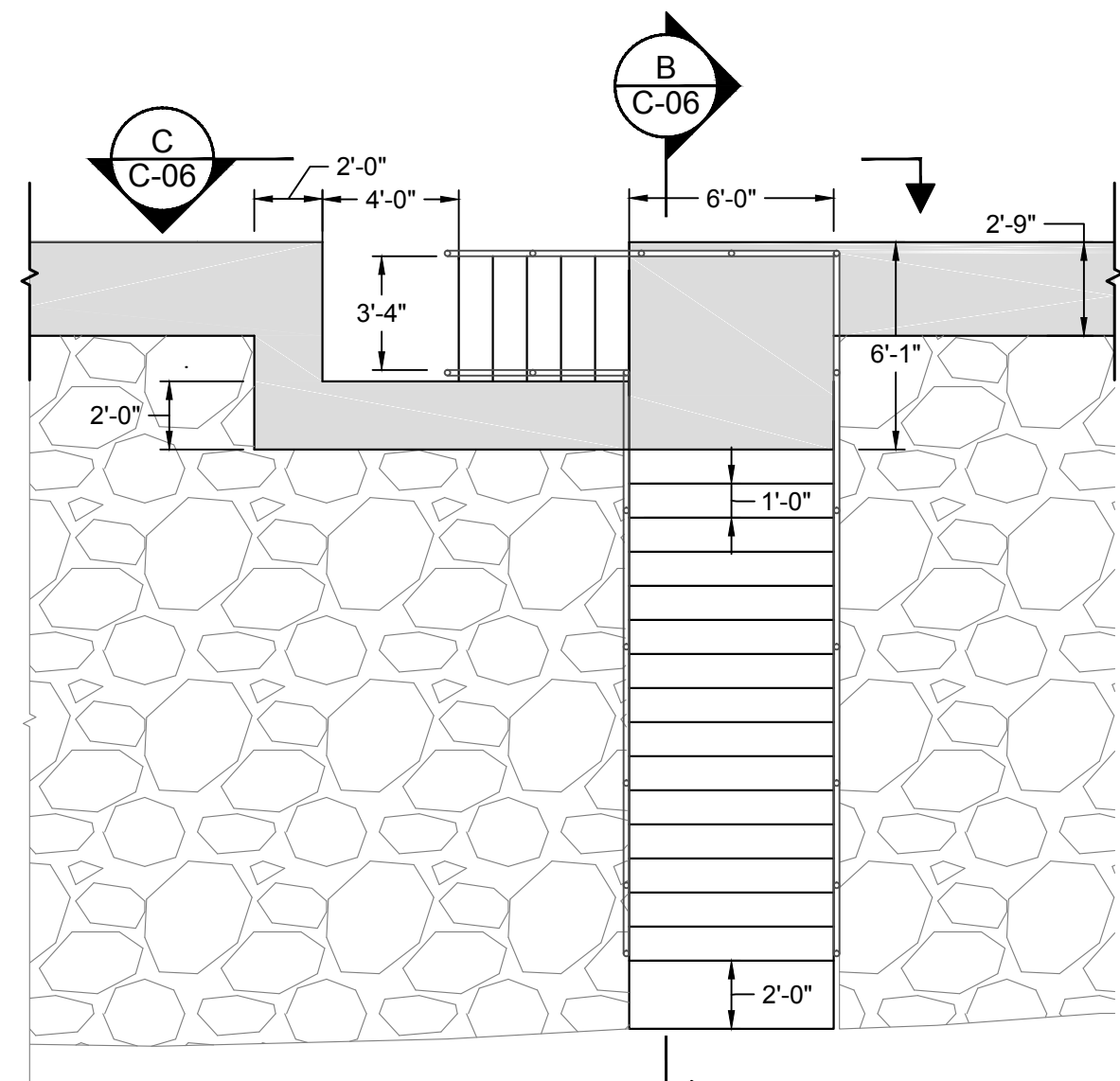
- NOTE:
1. MAINTAIN INTEGRITY AND PREVENT MOVEMENT OF EXISTING WALL.
  2. EXPANSION JOINT SHALL BE LOCATED NO FURTHER THAN 25' FROM SEAWALL TIE IN.
  3. SAWCUT EXISTING WALL:
    - FULL HEIGHT ON OUTSHORE FACE
    - 2' BELOW EXISTING GRADE INSHORE FACE
- CONCRETE PLACEMENT:
1. MAXIMUM LENGTH OF NEW CONCRETE POURS FOR SEAWALL SEGMENTS SHALL BE 25 FEET.
  2. MAXIMUM SEAWALL LENGTH BETWEEN EXPANSION JOINTS SHALL BE 100 FEET.
  3. ALL EXPANSION JOINTS SHALL HAVE SHEAR KEYS AS DETAILED ON PLAN.
  4. CONCRETE FOOTING AND WALL CONSTRUCTION JOINTS SHALL BE OFFSET A MINIMUM OF 2 FEET.
- GENERAL:
1. EXCAVATION MATERIAL SHALL BE STOCKPILED ON SITE FOR REUSE IN THE GRADING OF THE SITE.
  2. ALL NATURAL MATERIAL EXCAVATED FROM THE BEACH DURING CONSTRUCTION SHALL REMAIN ON THE BEACH. AFTER CONSTRUCTION, ALL SURPLUS NATURAL MATERIAL SHALL BE GRADED TO MATCH THE PROFILE OF THE BEACH.
  3. ALL DEMOLITION MATERIAL SHALL BE REMOVED FROM THE SITE AND DISPOSED OF PROPERLY. NO DEMOLITION MATERIAL SHALL BE PLACED BELOW MEAN HIGH WATER (MHW). DEMOLITION MATERIAL SHALL BE REMOVED FROM THE BEACH AS IT IS GENERATED.
  4. CONTRACTOR SHALL RESTORE THE SITE INCLUDING ALL ITEMS SUCH AS SIGNS, CURBS, SIDEWALKS, STAIRWAYS, LANDINGS, PLANTINGS, AND ADJACENT FACILITIES TO ORIGINAL PRE-CONSTRUCTION CONDITIONS, AS DESCRIBED IN THE SPECIFICATIONS AND APPROVED BY THE ENGINEER.



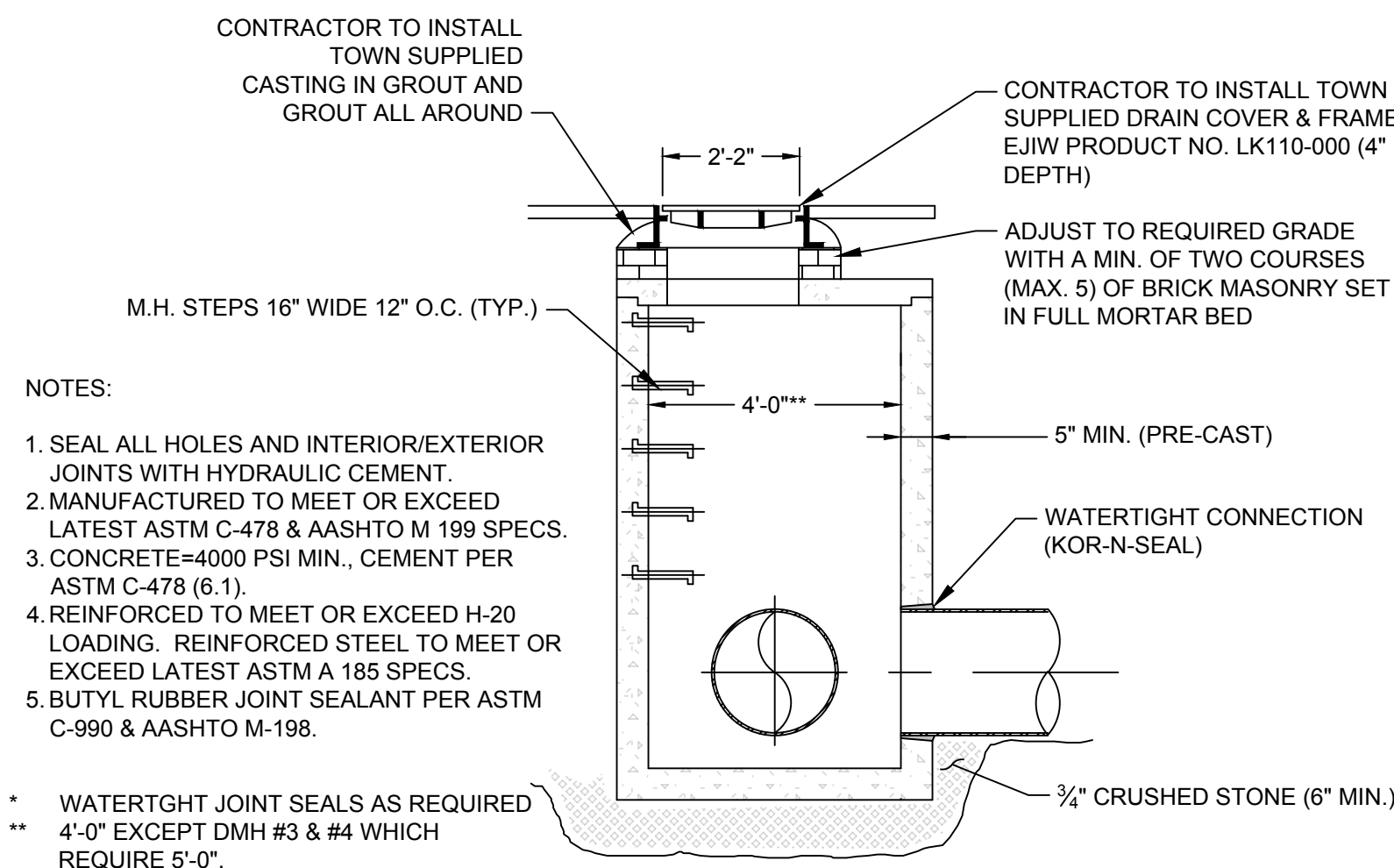
For Bid

Attention:					 <i>R.J. Timmins</i> 2/27/19	Designed:	BAP	<div>Bourne Consulting Waterfront Division</div> <div> GEI Consultants GEI CONSULTANTS, INC. 3 BENT STREET FRANKLIN, MA 02038 (508)533-6666</div>	Town of Weymouth - DPW 120 Winter St Weymouth, MA 02188	Fore River Ave Seawall Replacement Weymouth, MA	DWG. NO. <b>C-05</b>
						Checked:	RJT				PROPOSED CONDITIONS SECTIONS & DETAILS
 If this scale bar does not measure 1" then drawing is not original scale.				Drawn:	JSK	GEI Project 1702121					
0				Submitted By:	RJT						
NO.	DATE	ISSUE/REVISION	APP	P.E. Number:	-						

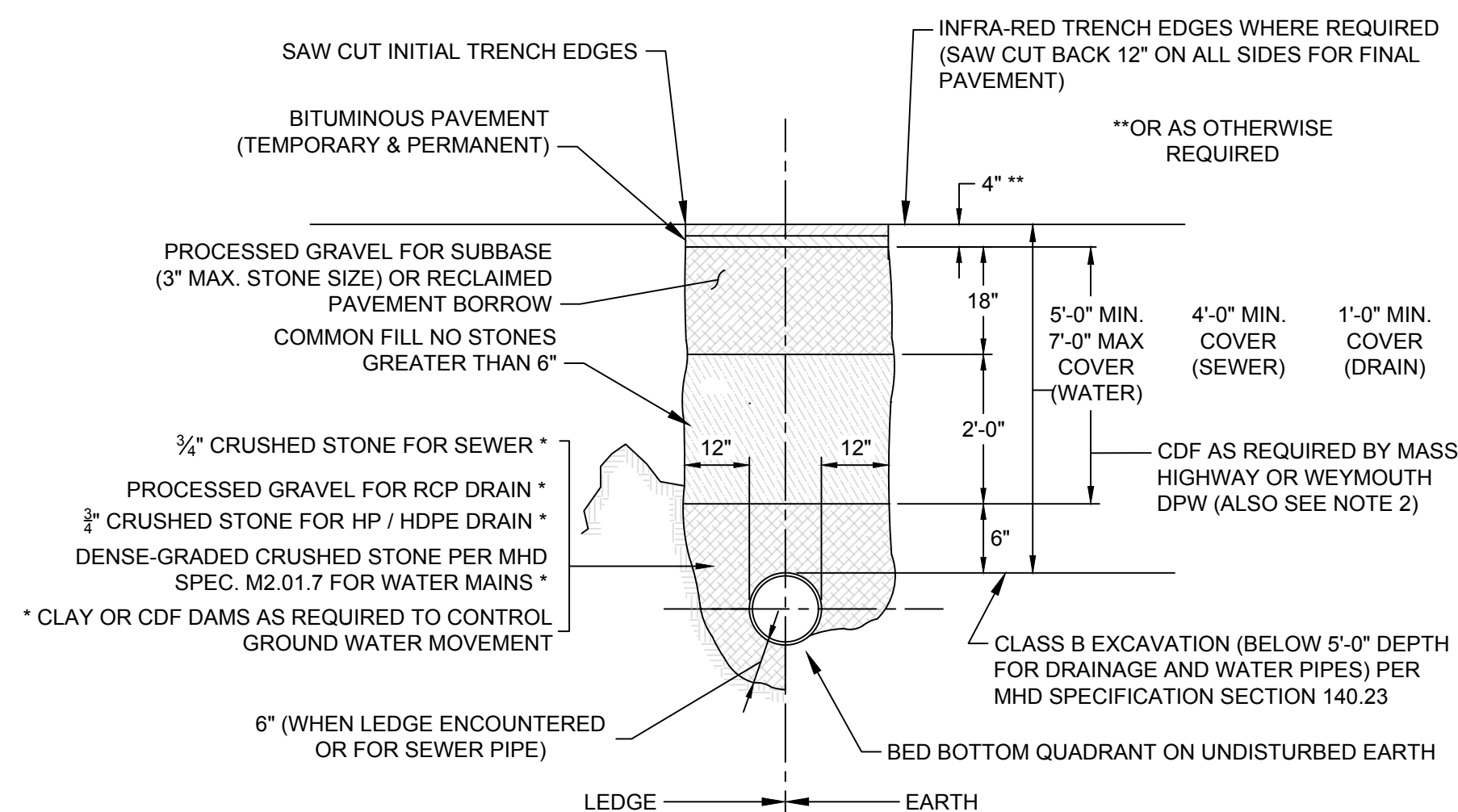




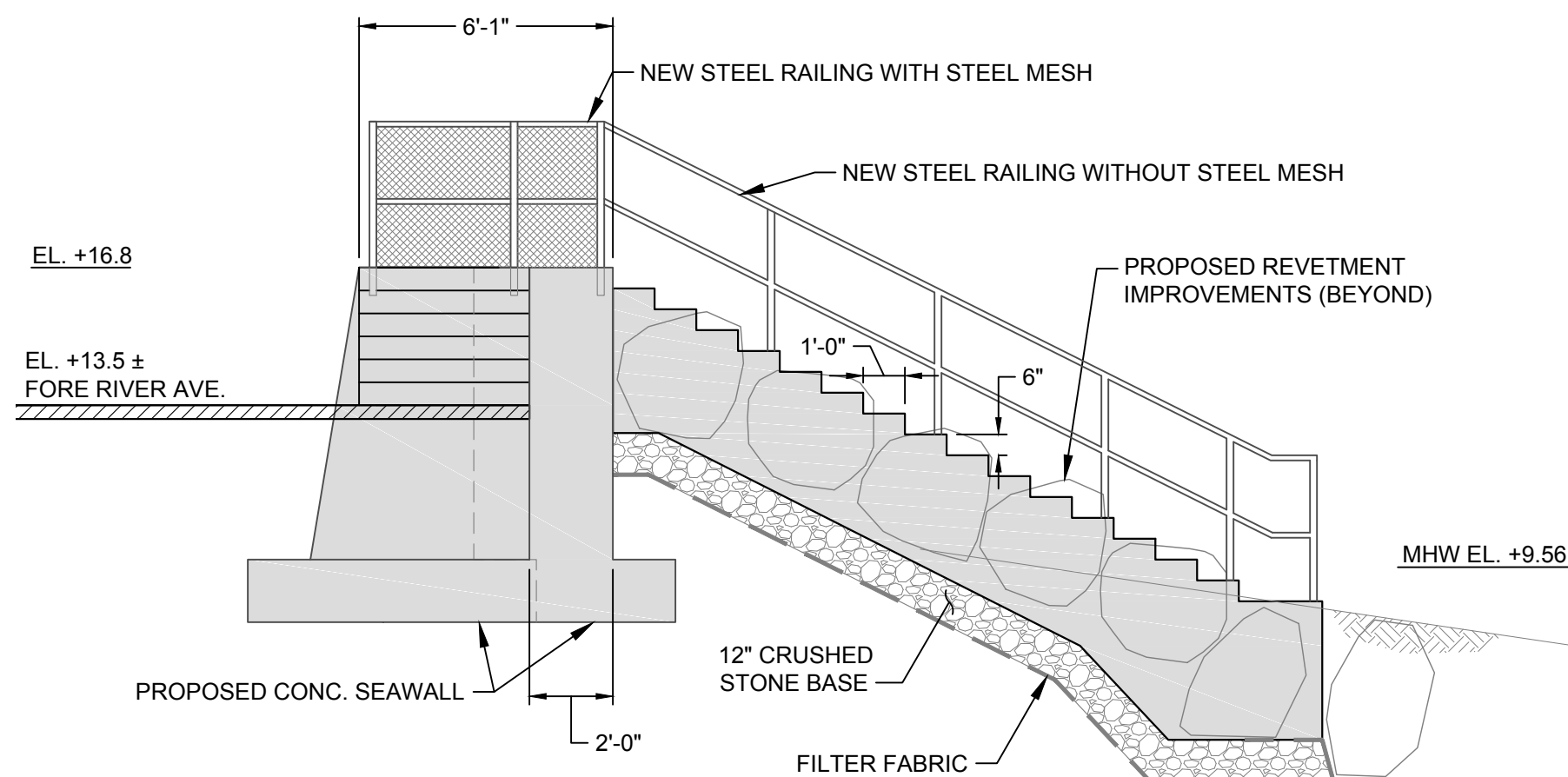
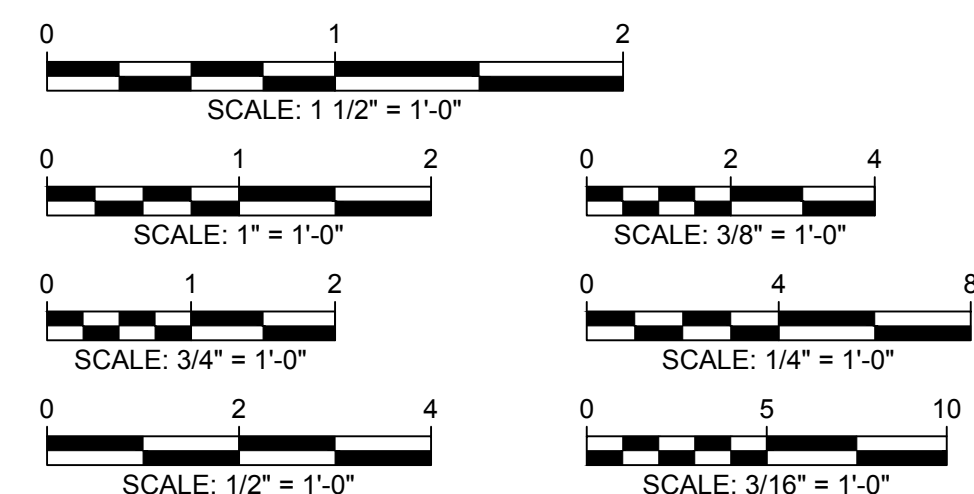
**A** CONCRETE STAIRS - PLAN  
C-06 SCALE: 3/16"=1'-0"



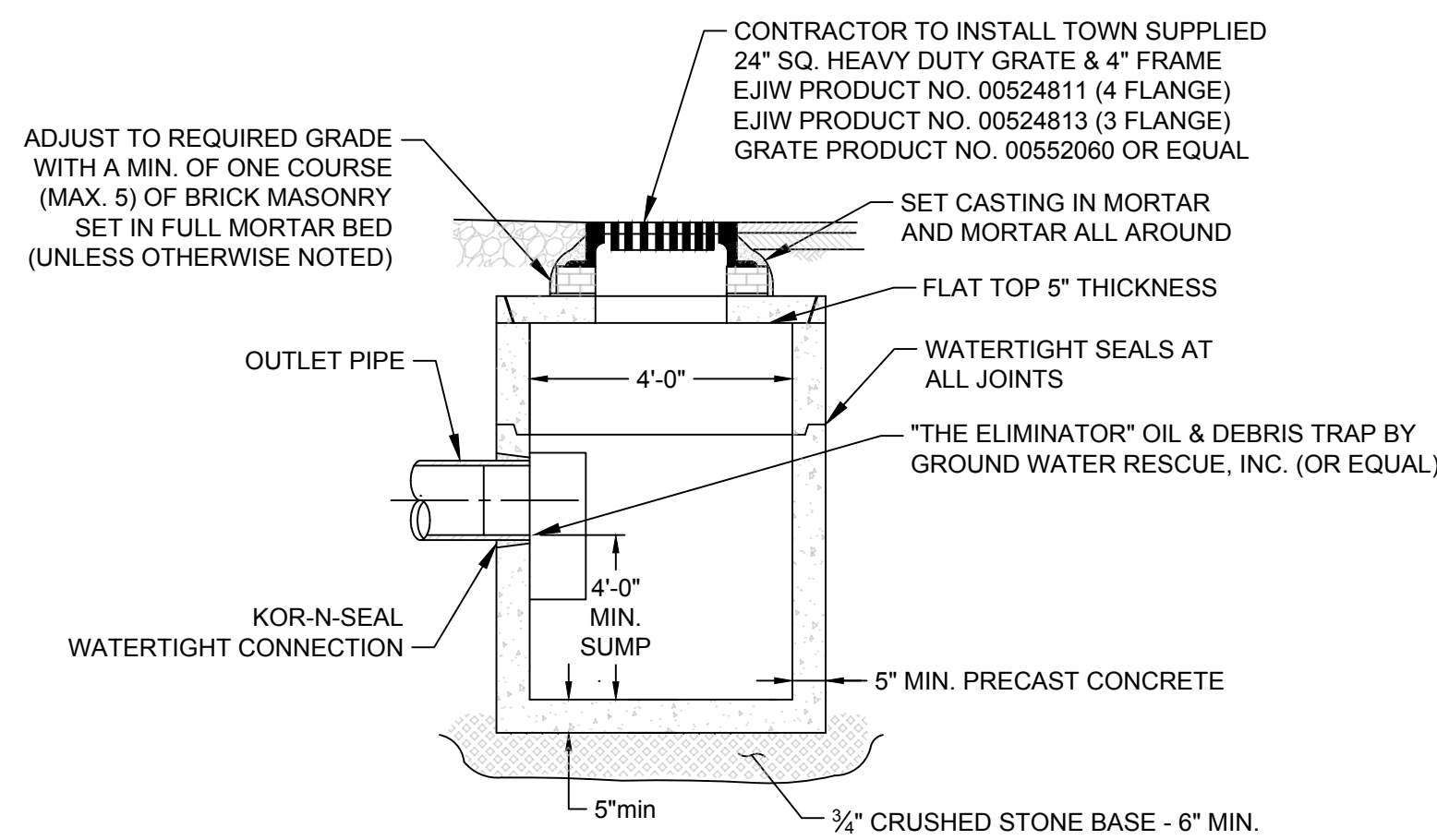
**E** DRAIN MANHOLE  
C-06 SCALE: NTS



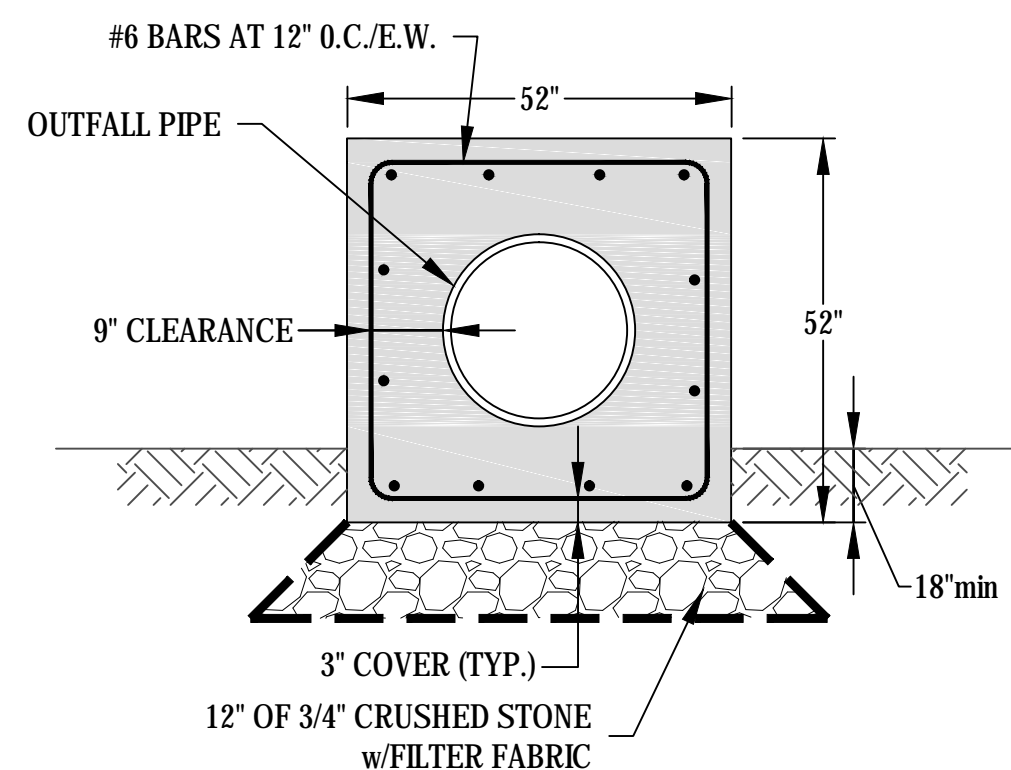
**H** TRENCH DETAIL  
C-06 SCALE: NTS



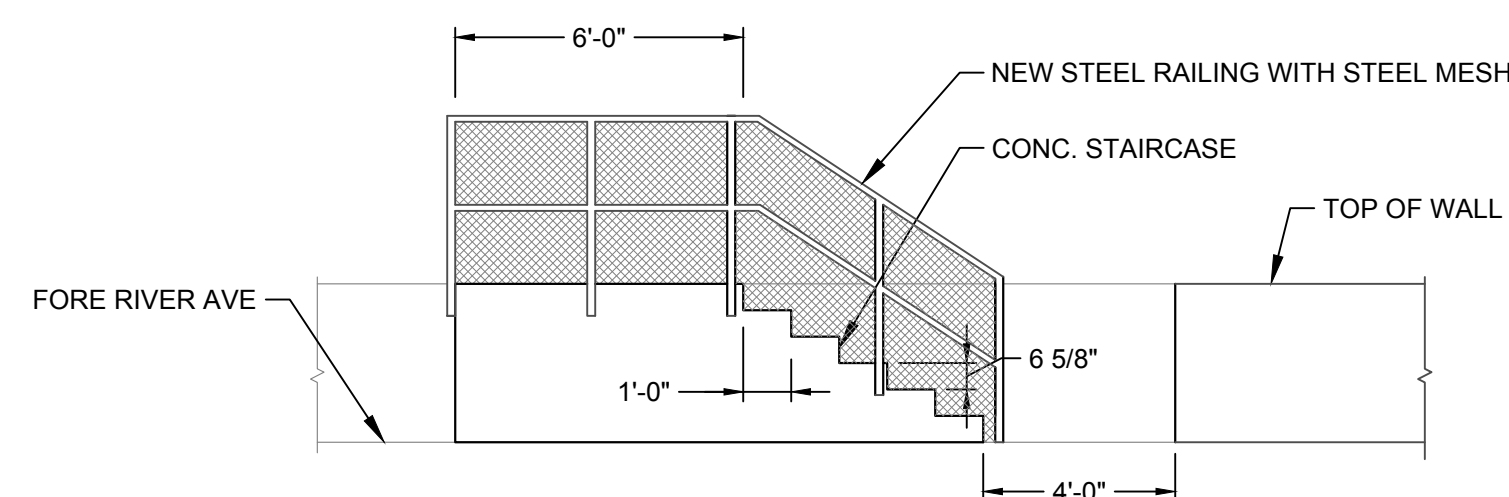
**B** CONCRETE STAIRS - SECTION  
C-06 SCALE: 1/4"=1'-0"



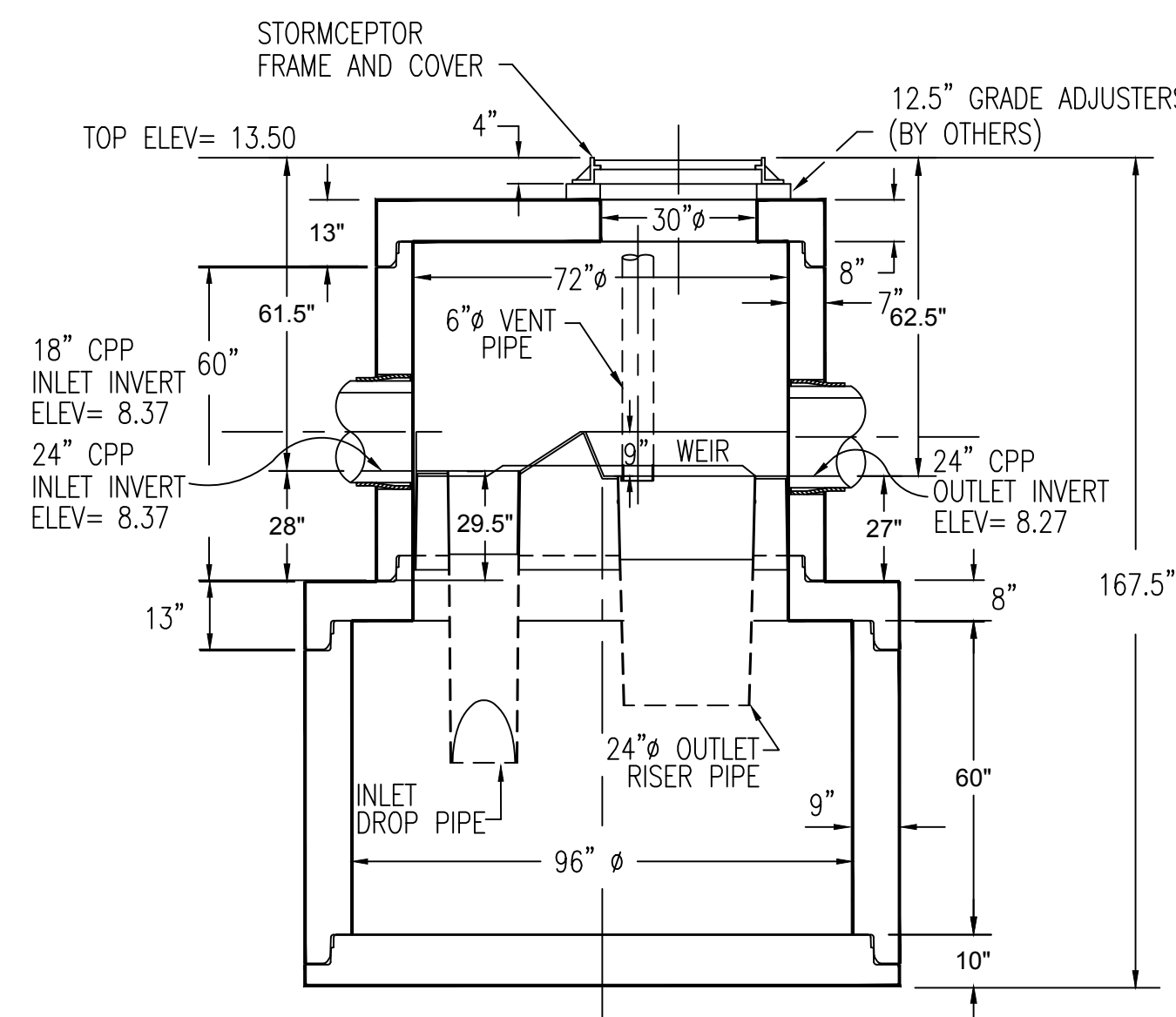
**F** CATCH BASIN  
C-06 SCALE: NTS



**I** OUTLET ENCAPSULATION  
C-06 SCALE: NTS

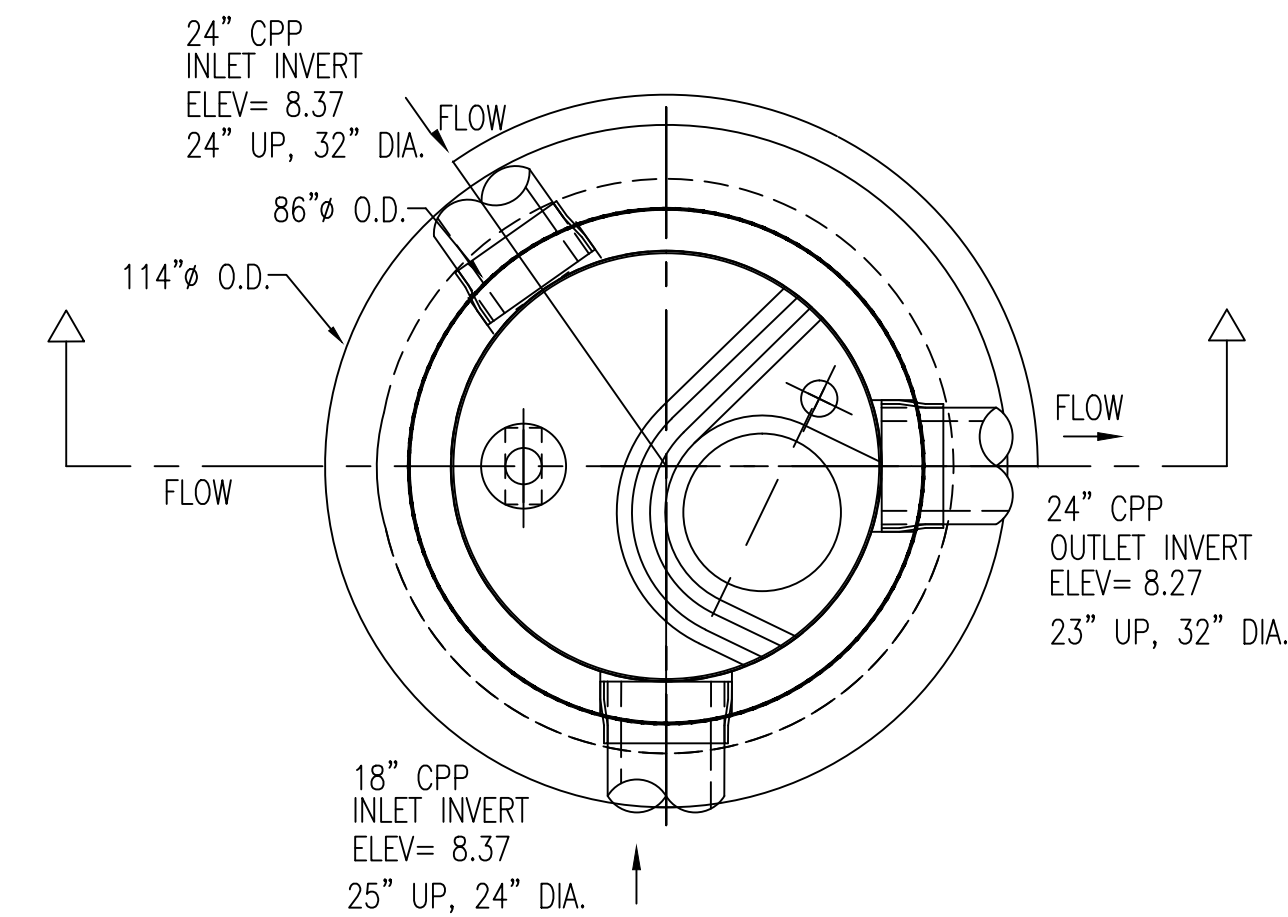


**C** CONCRETE STAIRS - INSHORE ELEVATION  
C-06 SCALE: 1/4"=1'-0"

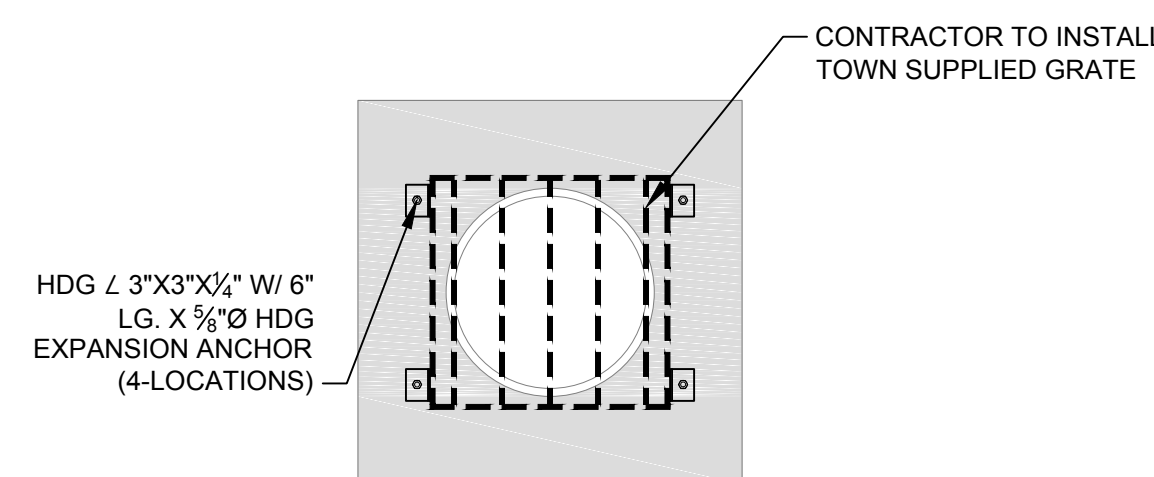


**SECTION**

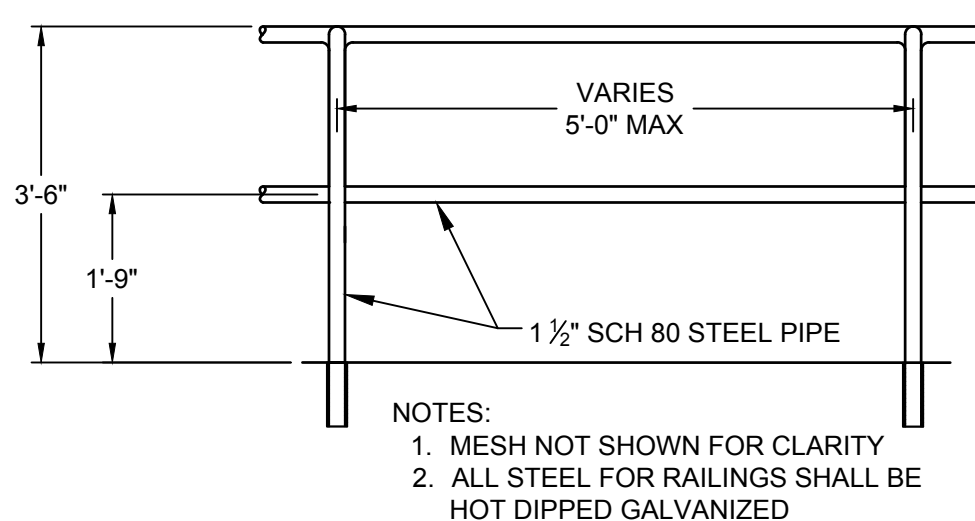
**G** STORMCEPTOR  
C-06 SCALE: NTS



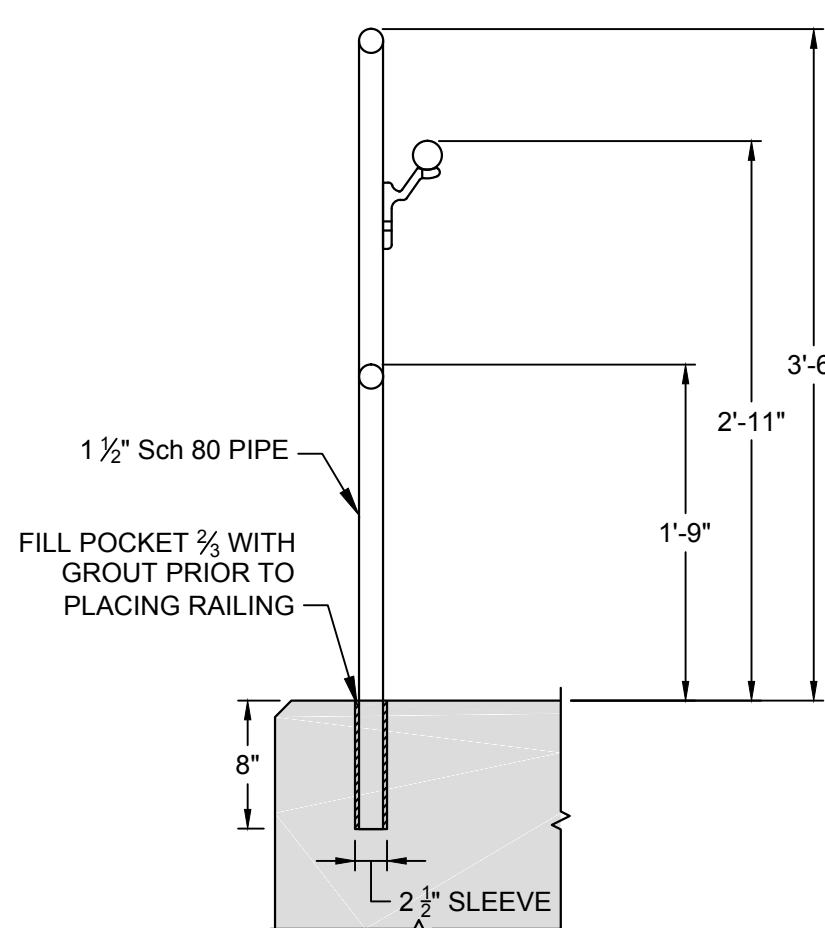
**PLAN**  
(FRAME AND COVER NOT SHOWN FOR CLARITY)



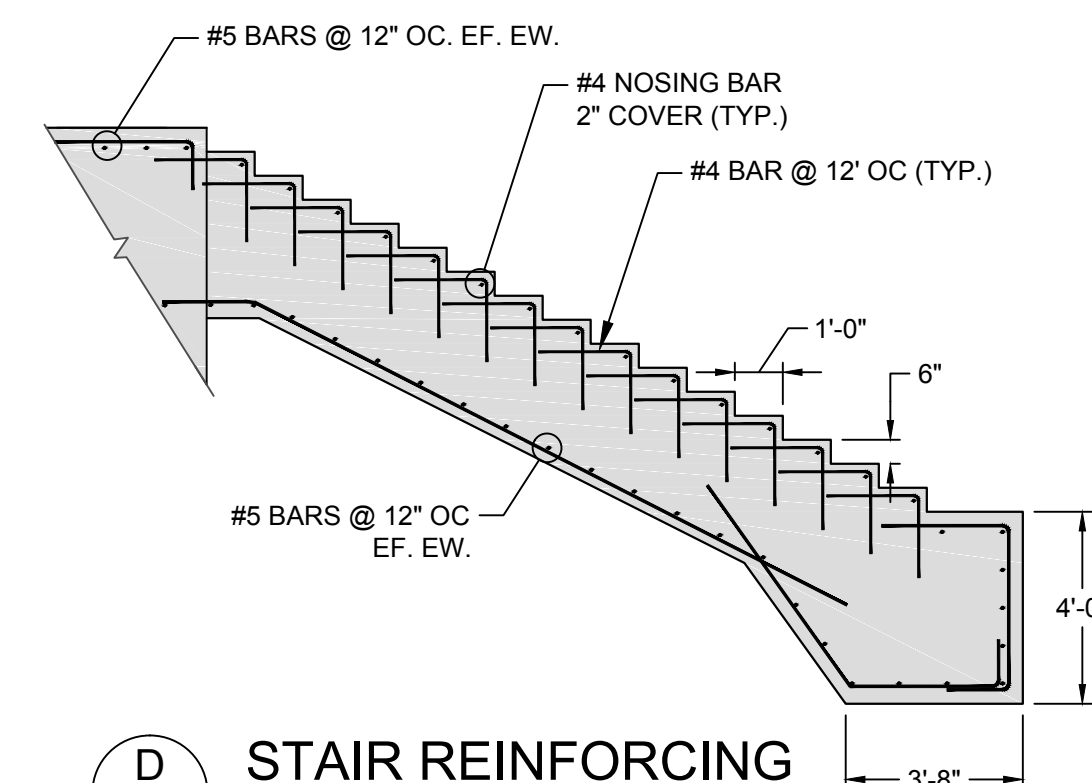
**J** OUTFALL SCREEN  
C-06 SCALE: 1/2" = 1'-0"



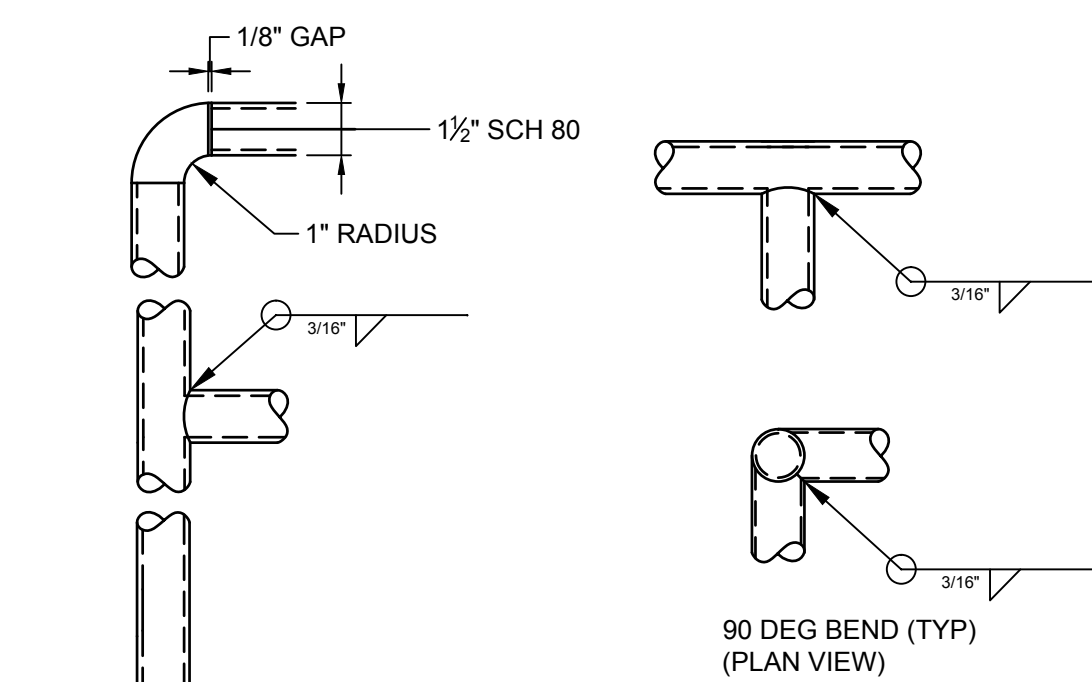
**K** RAILING ELEVATION  
C-06 SCALE: 1/2" = 1'-0"



**L** RAILING DETAIL  
C-06 SCALE: 1" = 1'-0"

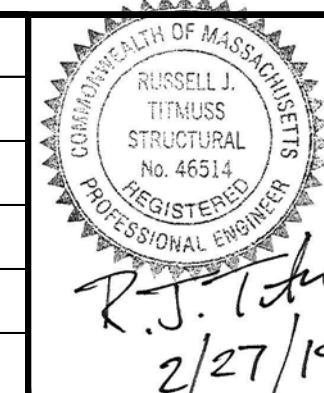


**D** STAIR REINFORCING  
C-06 SCALE: 1/4"=1'-0"



**M** RAIL DETAILS  
C-06 SCALE: 1-1/2" = 1'-0"

Attention:				
0				
If this scale bar does not measure 1" then drawing is not original scale.				
NO.	DATE	ISSUE/REVISION	APP	



Designed:	BAP
Checked:	RJT
Drawn:	JSK
Submitted By:	RJT
P.E. Number:	-

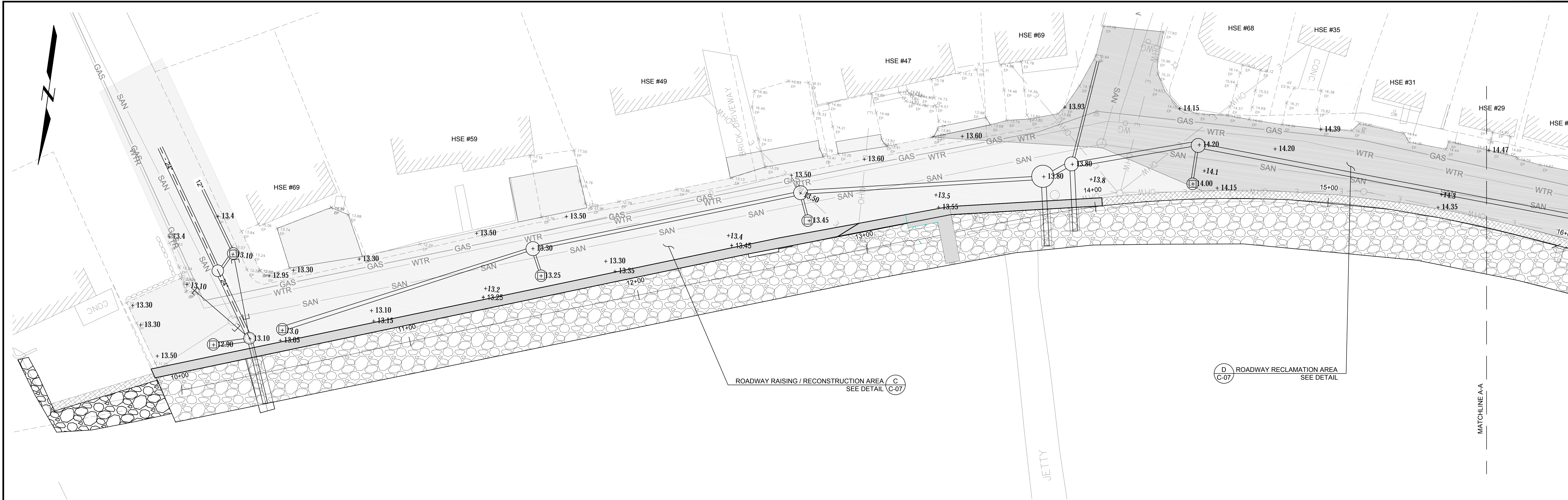


Town of Weymouth - DPW 120 Winter St Weymouth, MA 02188
GEI Project 1702121

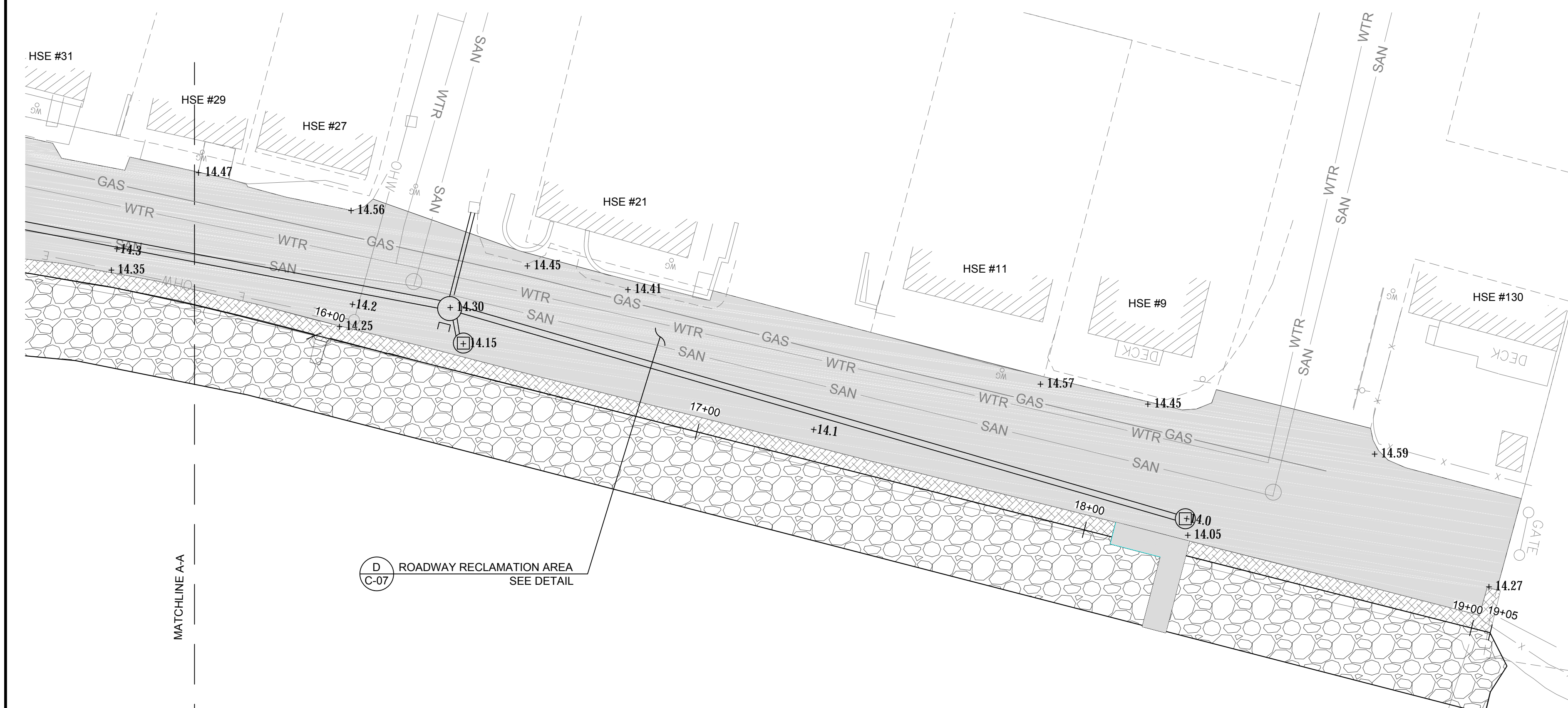
Fore River Ave Seawall Replacement Weymouth, MA	DWG. NO. <b>C-06</b>
MISCELLANEOUS DETAILS	SHEET NO. <b>7 OF 8</b>

For Bid





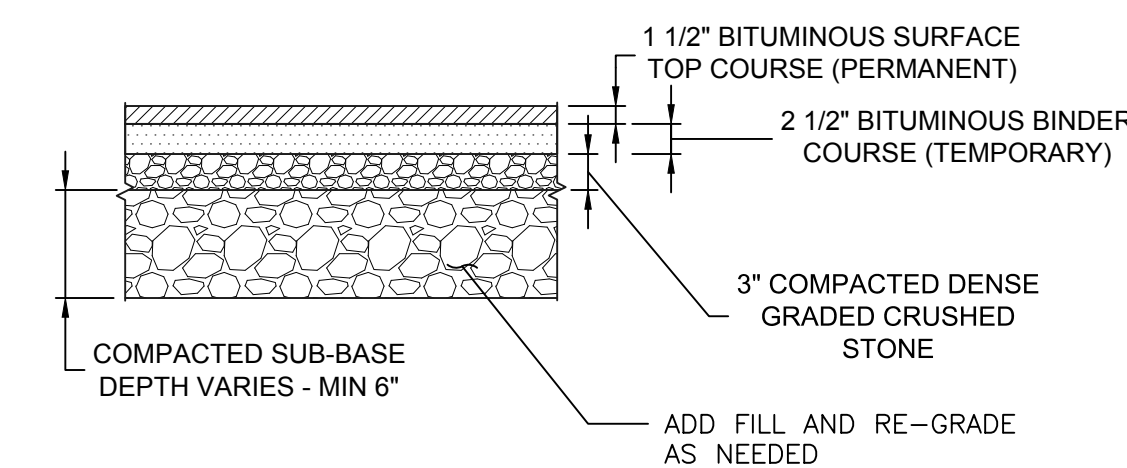
**A** PROPOSED GRADING/PAVING - PLAN  
C-04 SCALE: 1" = 20'-0"



**LEGEND**

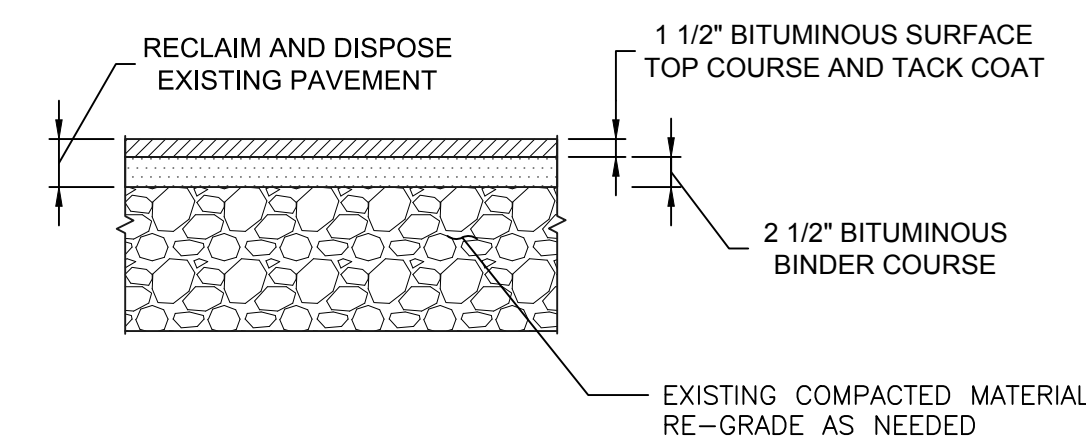
ROADWAY RAISING/  
RECONSTRUCTION AREA:

ROADWAY RECLAMATION AREA:

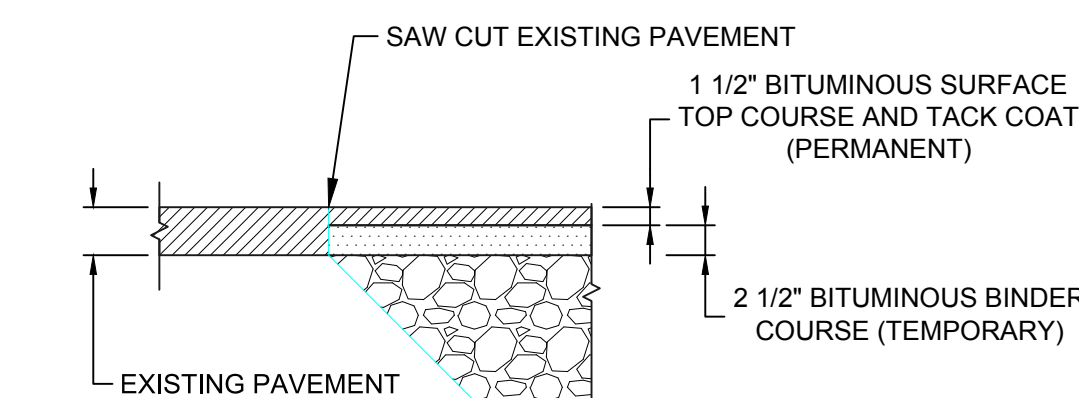


**C** FULL DEPTH ROADWAY RAISING/  
RECONSTRUCTION PAVEMENT DETAIL  
C-07 SCALE: 3/4"=1'-0"

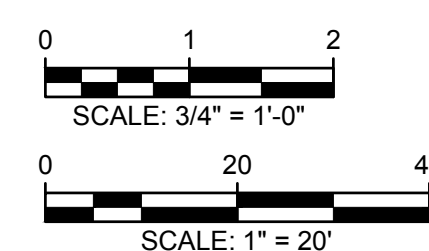
NOTE:  
TACK COAT AND TOP COURSE TO BE INSTALLED  
90 DAYS AFTER TEMPORARY COURSE.



**D** FULL DEPTH  
ROADWAY RECLAMATION DETAIL  
C-07 SCALE: 3/4"=1'-0"

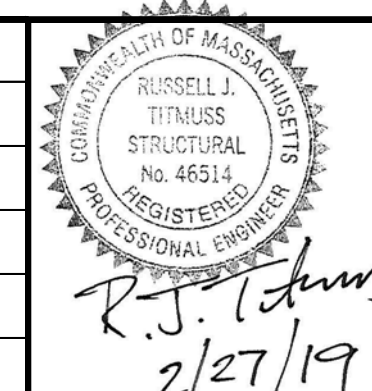


**E** PAVING TRANSITION DETAIL  
C-07 SCALE: 3/4"=1'-0"



**B** PROPOSED GRADING/PAVING - PLAN  
C-04 SCALE: 1" = 20'-0"

Attention:				
0				
0				
NO.	DATE	ISSUE/REVISION	APP	



Designed: BAP  
Checked: RJT  
Drawn: JSK  
Submitted By: RJT  
P.E. Number: -

Bourne Consulting  
Waterfront Division  
**GEI** Consultants  
GEI CONSULTANTS, INC.  
3 BENT STREET  
FRANKLIN, MA 02038  
(508)533-6666

Town of Weymouth - DPW  
120 Winter St  
Weymouth, MA 02188

GEI Project 1702121

Fore River Ave Seawall Replacement  
Weymouth, MA

GRADING & PAVEMENT  
LIMITS

DWG. NO.  
**C-07**  
SHEET NO.  
**8 OF 8**