

LEGEND

DESCRIPTION	EXISTING	PROPOSED
PROPERTY LINE	---	---
LIMITS OF WORK	---	---
INTERMEDIATE CONTOURS	---	---
INDEX CONTOURS	--- 25 --- X 141.2	---
SPOT GRADE		+ 32.0
MAGNITUDE & DIRECTION OF SLOPE		← 0.0%
OVERHEAD ELECTRIC	---○---	---
FENCE - CHAIN LINK	---○---	---
MEAN HIGH WATER	---	---
MEAN LOW WATER	---	---
FEMA FLOOD ZONE	---	---
TURBIDITY BOOM	---	---
TEMPORARY SUPPORT OF EXCAVATION	---	---
TEMPORARY CONSTRUCTION FENCE	---	---
TEMPORARY COFFERDAM	---	---
GEOTEXTILE FABRIC	---	---
BORING	⊕	⊕
STORM DRAIN STRUCTURES	MANHOLE ⊕ CATCH BASIN CB	
SANITARY SEWER MANHOLE	⊕	
WATER SERVICE STRUCTURES	HYDRANT ⊕ MANHOLE ⊕ VALVE ⊕	
GAS SERVICE STRUCTURES	MANHOLE ⊕ VALVE ⊕ GG	
ELECTRIC SERVICE STRUCTURES	UTILITY CO. POLE # ⊕ LIGHT ⊕	
TELECOMMUNICATIONS MANHOLE	MANHOLE ⊕	
TREELINE	~~~~~	
TREE	○ EVERGREEN ○ DECIDUOUS	
H-PILE	I	I
BATTER PILE	▭	▭
TIMBER PILE	○	○
AREA TO BE LOAM AND SEEDED	▨	▨
PAVEMENT	▨	▨
CRUSHED STONE	▨	▨
LOAD RESTRICTION AREA	▨	▨
STRUCTURE/BUILDING	▨	▨
PILE LINE DESIGNATION		①
SEAWALL	▨	▨

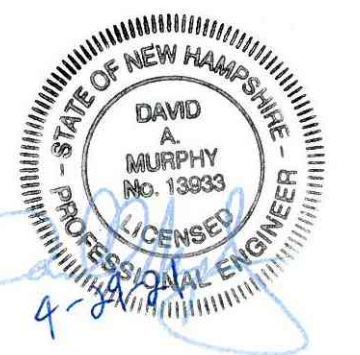
ABBREVIATIONS

ABDN('D)	ABANDON(ED)
AC	ASBESTOS CEMENT PIPE
BC	BITUMINOUS CURB
BFP	BACK FLOW PREVENTOR
BIT	BITUMINOUS
BL	BASELINE
BLDG	BUILDING
BND	BOUND
BOC	BOTTOM OF CURB
BOT	BOTTOM
BS	BOTTOM OF STEP
BW	BOTTOM OF WALL
CATV	CABLE TELEVISION
CB	CATCH BASIN
CEM	CEMENT
CI	CAST IRON PIPE
CL	CENTERLINE
CLF	CHAIN LINK FENCE
CO	CLEAN OUT
CONS. JT.	CONSTRUCTION JOINT
CONC	CONCRETE
CPP	CORRUGATED POLYETHYLENE PIPE
CY	CUBIC YARD
DH	DRILL HOLE
DI	DUCTILE IRON PIPE
DIA	DIAMETER
DMH	DRAIN MANHOLE
E	EAST
EF	EACH FACE
EG	EXISTING GRADE
EL/ELEV	ELEVATION
ELEC	ELECTRIC
EMH	ELECTRIC MANHOLE
EOP	EDGE OF PAVEMENT
EW	EACH WAY
EXIST.	EXISTING
EXP. JT.	EXPANSION JOINT
FES	FLARED END SECTION
FF	FINISH FLOOR
FM	FORCE MAIN
GALV.	GALVANIZED
G	GAS
GG	GAS GATE
GRAN	GRANITE
HC	HANDICAP
HDPE	HIGH DENSITY POLYETHYLENE
HMA	HOT MIX ASPHALT
HYD	HYDRANT
IN	INCHES
INV	INVERT
IP	IRON PIN
L	LENGTH OF CURB
LP	LIGHT POLE
LT	LEFT
MAX	MAXIMUM
MH	MANHOLE
MIN	MINIMUM
MISC	MISCELLANEOUS
MON	MONUMENT
MJ	MECHANICAL JOINT

ABBREVIATIONS CONT'D

N	NORTH
NITC	NOT IN THIS CONTRACT
NTS	NOT TO SCALE
N/A	NOT APPLICABLE
N/F	NOW OR FORMERLY
OC	ON CENTER
OCS	OUTLET CONTROL STRUCTURE
OH	OVERHEAD
PB	PLANT BED
PC	POINT OF CURVATURE
PCC	POINT OF COMPOUND CURVATURE
PCPP	PERFORATED CORRUGATED POLYETHYLENE PIPE
PERF	PERFORATED
PI	POINT OF INTERSECTION
PRC	POINT OF REVERSE CURVATURE
PSF	POUNDS PER SQUARE FOOT
PSI	POUNDS PER SQUARE FOOT
PT	POINT OF TANGENCY
PVC	POLYVINYLCHLORIDE
PVMT	PAVEMENT
R	RADIUS
RCP	REINFORCED CONCRETE PIPE
RD	ROOF DRAIN
REV	REVISION
ROW	RIGHT OF WAY
RT	RIGHT
R&D	REMOVE AND DISPOSE
R&R	REMOVE AND RESET
R&S	REMOVE AND STACK
S	SOUTH
SAN	SANITARY
SCH	SCHEDULE
SF	SQUARE FOOT
SMH	SEWER MANHOLE
SS	STAINLESS STEEL
STA	STATION
STL	STEEL
STRM	STORM
SYP	SOTUEHR YELLOW PINE
T	TANGENT LENGTH
TC	TOP OF CURB
TEL	TEL-DATA
TP	TEST PIT
TS	TOP OF STEP
TW	TOP OF WALL
TYP.	TYPICAL
UP	UTILITY POLE
UNO	UNLESS NOTED OTHERWISE
W	WATER
WG	WATER GATE
WV	WATER VALVE
XFMR	TRANSFORMER

ISSUED FOR BIDDING

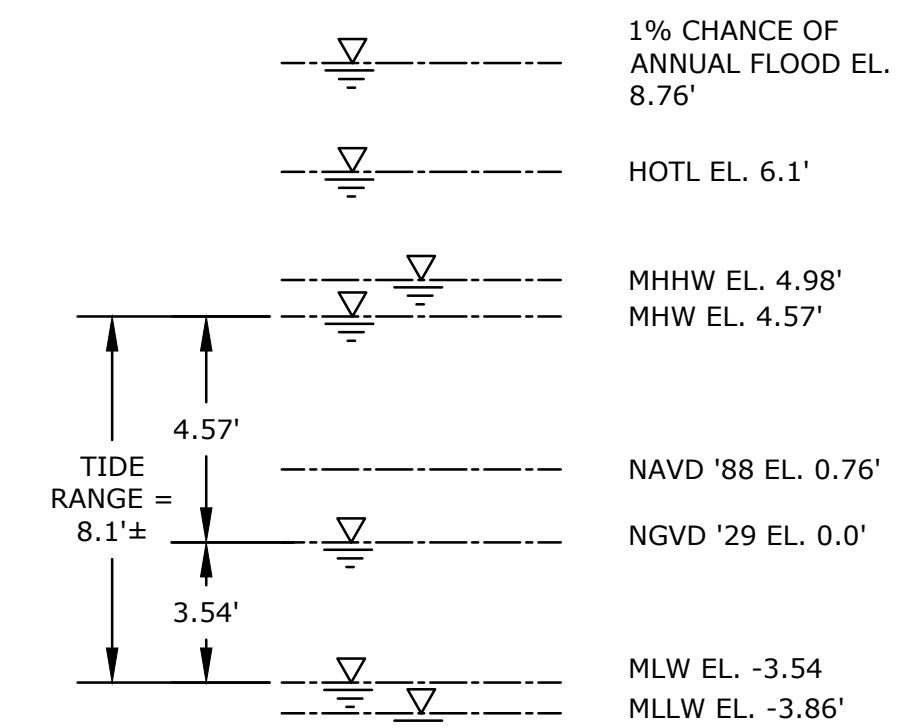


95 Mechanic Street Seawall & Wharf Replacement

City of Portsmouth



Portsmouth, New Hampshire



VERTICAL DATUM CONVERSION DIAGRAM

VERTICAL DATUM NOTES:

- 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: 8419870
PID: NONE
LOCATION: Seavey Island, ME
LATITUDE: 43.08 N
LONGITUDE: 70.758 W

MARK	DATE	DESCRIPTION
	4/29/2021	ADDENDUM 2
PROJECT NO: P-0714-003		
DATE: MARCH 24, 2021		
FILE: General Notes.dwg		
DRAWN BY: JAK		
CHECKED: GC		
APPROVED: DAM		

LEGEND AND ABBREVIATIONS

SCALE: AS SHOWN

G-002

TIMBER PILES

- COORDINATE WITH THESE DRAWINGS AND SECTION 02368, TIMBER PILES.
- THE SPECIFIED ULTIMATE CAPACITY FOR THE TIMBER PILES IS 110 KIPS (40 KIPS ALLOWABLE X 2.75), WHICH WILL BE VERIFIED VIA A WEAP TO BE COMPLETED BY THE ENGINEER.
- IT IS RECOMMENDED THAT A DRIVING TEMPLATE BE USED TO INSTALL THE TIMBER PILES IN ORDER TO MEET THE SPECIFIED DRIVING TOLERANCES.
- THE CONTRACTOR SHALL INSTALL THESE TIMBER PILES TO THEIR SPECIFIED ULTIMATE CAPACITY, OR THE SPECIFIED TIP ELEVATION, WHICHEVER RESULTS IN THE GREATEST EMBEDMENT DEPTH, UNLESS OTHERWISE DIRECTED BY THE ENGINEER.
- A VIBRATORY HAMMER MAY BE UTILIZED FOR THE INITIAL INSTALLATION, BUT AN IMPACT HAMMER SHALL BE UTILIZED FOR THE LAST 10 FEET OF DRIVING TO "PROOF" THE TIMBER PILES TO THEIR SPECIFIED ULTIMATE CAPACITY.

DEWATERING, CONTROL, AND DIVERSION OF WATER

- COORDINATE WITH THESE DRAWINGS AND SECTION 02400, DEWATERING, CONTROL, AND DIVERSION OF WATER.
- WATER ELEVATIONS AT THE SITE ARE TIDAL AND ARE EXPECTED TO VARY. TEMPORARY EARTH RETAINING SYSTEMS AND TEMPORARY COFFERDAMS WITH SUMPS AND PUMPS ARE EXPECTED TO BE ADEQUATE TO CONTROL INFLOWS AND/OR THE ACCUMULATION OF PONDED WATER DUE TO SURFACE WATER RUN OFF.
- THE CONTRACTOR SHALL ROUTE ALL PUMPED WATER TO DEWATERING BASINS OR OTHER SUITABLE DEVICES (E.G., DEWATERING BAGS) PRIOR TO ALLOWING THE PUMPED WATER TO FLOW OVER LAND.

DYNAMIC PILE TESTING

- COORDINATE WITH THESE DRAWINGS AND SECTION 02457, DYNAMIC PILE TESTING.

BITUMINOUS CONCRETE PAVEMENT

- COORDINATE WITH THESE DRAWINGS AND SECTION 02512, BITUMINOUS CONCRETE PAVEMENT.

CONCRETE

- COORDINATE WITH THESE DRAWINGS, SECTION 03200, REINFORCING STEEL, AND SECTION 03310, CONCRETE.

MASONRY

- COORDINATE WITH THESE DRAWINGS AND SECTION 04400, STONE MASONRY.

COATINGS

- COORDINATE WITH THESE DRAWINGS AND SECTION 09900, COATINGS.

CHAIN LINK FENCE

- ALL FENCE MATERIALS SHALL BE NEW AND OF RECOGNIZABLE AND REPUTABLE MANUFACTURERS.
- FENCING MATERIALS SHALL MEET THE REQUIREMENTS OF NHDOT STANDARD SPECIFICATIONS.
- CHAIN LINK FENCE FABRIC SHALL BE BLACK VINYL COATED NO. 9-GAUGE WIRE WOVEN IN A 2-INCH DIAMOND-MESH PATTERN, AND SELVAGES TWISTED AND BARBED.
- TENSION WIRE, IF REQUIRED, SHALL BE BLACK VINYL COATED SPRING STEEL WIRE NOT LESS THAN NO. 7 GAUGE (0.177 INCH DIAMETER). PROVIDE TIE CLIPS OF MANUFACTURER'S STANDARD AS APPROVED FOR ATTACHING THE WIRE TO THE FABRIC, AT INTERVALS NOT EXCEEDING 24 INCHES.
- END, CORNER, ANGLE, AND PULL POSTS SHALL BE 2.875-INCH-DIAMETER (O.D.) SCHEDULE 40 STEEL PIPE, WEIGHT 5.80 POUNDS PER LINEAR FOOT, MEETING THE REQUIREMENTS OF ASTM F1043, GROUP 1A - HIGH STRENGTH (MINIMUM Fy = 83,000 PSI).
- TOP RAIL SHALL BE 1.875-INCH OUTSIDE DIAMETER, WEIGHT 2.72 POUNDS PER LINEAR FOOT, MEETING THE REQUIREMENTS OF ASTM F1043 GROUP 1A - REGULAR STRENGTH (MINIMUM Fy = 30,000 PSI). COUPLINGS SHALL BE OUTSIDE-SLEEVE TYPE AND AT LEAST 6 INCHES LONG. PROVIDE SPRINGS AT ONE COUPLING IN FIVE TO PERMIT EXPANSION IN RAIL AS RECOMMENDED BY THE MANUFACTURER. TOP RAIL TO EXTEND THROUGH LINE POST TOPS TO FORM CONTINUOUS BRACE FROM END-TO-END OF EACH STRETCH OF FENCE.
- BRACE PIPE SHALL BE OF THE SAME MATERIAL AND TYPE AS THE TOP RAIL, AND SHALL BE INSTALLED MIDWAY BETWEEN THE TOP RAIL AND EXTEND FROM THE TERMINAL POST TO THE FIRST ADJACENT LINE POST. BRACES SHALL BE SECURELY FASTENED TO THE POSTS BY HEAVY-PRESSED STEEL AND MALLEABLE FITTINGS.
- FITTINGS SHALL BE MALLEABLE STEEL, CAST IRON, OR PRESSED STEEL. FITTINGS TO INCLUDE EXTENSION ARMS FOR BARBED WIRE, STRETCHER BARS AND CLAMPS, CLIPS, TENSION RODS, BRACE RODS, HARDWARE, FABRIC BANDS, FASTENINGS, AND ALL ACCESSORIES.
- ALL FENCE POSTS, RAILS, FITTINGS AND HARDWARE SHALL BE GALVANIZED AND POWDER COATED, COLOR BLACK.
- THE CONTRACTOR SHALL PROVIDE MANUFACTURER'S CUT SHEETS FOR ALL FENCING MATERIALS FOR REVIEW/APPROVAL BY THE ENGINEER.
- FENCE POSTS INSTALLED IN SOIL SHALL BE INSTALLED A MINIMUM OF 48" BELOW GRADE WITH A 12" DIAMETER CONCRETE FOUNDATION.

ORNAMENTAL RAILING

- THE ORNAMENTAL RAILING SYSTEM SHALL BE 42" HIGH INDUSTRIAL GRADE, SURFACE MOUNTED, HOT DIPPED GALVANIZED (HDG) 2-RAIL BALUSTRADE WITH PICKET/BALUSTER PANEL CONFIGURATION AS SHOWN. THE RAILING SHALL

HAVE A HDG COMPATIBLE BLACK FINISH COATING, WHICH SHALL BE THE COLORGALV15 SYSTEM BY DUNCAN GALVANIZING OF EVERETT MA, OR APPROVED EQUAL (WITH EQUIVALENT WARRANTY). THE SELECTED SYSTEM SHALL COMPLY WITH THE IBC 2009 PEDESTRIAN GUARD CODE AND ADA RAIL GUIDELINES

- RAILS, PANELS, POSTS, AND BASE PLATES SHALL BE FABRICATED TO WITHSTAND AT A MINIMUM THE LOADS SPECIFIED IN IBC 2009 AT OR BELOW THE ALLOWABLE STRESSES. RAIL POST MOUNTING ON TIMBER SHALL BE AS SHOWN, USING HOT DIP GALVANIZED LAG BOLTS AND WASHERS.
- PROVIDE RAILING SYSTEM IN ACCORDANCE AS SPECIFIED WITH CONNECTIONS, INCLUDING POST BASE ANCHORAGE, TO COMPLY WITH IBC 2009 PEDESTRIAN GUARD CODE. POSTS AND PANELS SHALL BE PLUMB TO WITHIN 1/8" IN 2 FEET TOLERANCE. ALL JOINTS SHALL BE TRUE AND SMOOTH, WITH NO INCORRECT FIT GAPS AND WITH NO BURRS, SHARP EDGES OR PROTRUDING FASTENERS. REPAIR ANY COATING DAMAGE IN ACCORDANCE WITH THE COATING MANUFACTURER'S RECOMMENDATIONS SUCH THAT IT MATCHES AND IS CONSISTENT WITH THE ADJACENT COATING.
- THE CONTRACTOR SHALL SUBMIT THE FOLLOWING SUBMITTALS FOR REVIEW AND APPROVAL BY THE ENGINEER:
 - RAILING SYSTEM SHOP DRAWINGS, COATING SYSTEM, ANCHORING SYSTEM, AND SHIMMING PROCEDURE.

STRUCTURAL LUMBER

- DECKING SHALL BE SOUTHERN YELLOW PINE, GRADE NO. 2; AND ALL CAP BEAMS, STRINGERS, BRACES, AND FASCIA BOARDS SHALL BE SOUTHERN YELLOW PINE, GRADE NO. 1. THIS LUMBER SHALL CONFORM TO THE FOLLOWING MINIMUM ALLOWABLE STRESSES IN ACCORDANCE WITH NDS.

COMPONENT	ALLOWABLE STRESSES			
	BENDING Fb (psi)	HORIZONTAL SHEAR Fv (psi)	COMPRESSION PERPENDICULAR TO GRAIN Fc1 (psi)	COMPRESSION PARALLEL TO GRAIN Fc (psi)
WHARF DECKING	925	175	565	1,350
STRINGERS/FASCIA BOARDS	1,350	165	375	825
CAP BEAMS	1,350	165	375	825
BRACES	925	175	565	1,350

- ALL TIMBER DIMENSIONS SHOWN ARE NOMINAL AND ALL LUMBER SHALL BE SURFACED ON ALL FOUR SIDES (S4S).
- ALL TIMBER PILES AND TIMBER CROSS-BRACING THAT IS IMMERSSED IN SALTWATER SHALL BE TREATED TO 2.5 PCF CCA; TIMBER IN THE SLASH ZONE SHALL BE TREATED TO 0.60 PCF CCA AS SPECIFIED; AND THE TIMBER DECKING SHALL BE TREATED TO 0.6 PCF ACQ FOR HUMAN CONTACT.
- ALL PRESSURE TREATED TIMBER THAT HAS BEEN FIELD CUT, DRESSED, AND/OR DRILLED SHALL BE COATED WITH TWO (2) COATS OF COPPER NAPHTHENATE PRESERVATIVE, INCLUDING THE ENDS OF ANY SPLICED SEGMENTS.
- ALL HORIZONTAL SURFACES BETWEEN TIMBER COMPONENTS SHALL BE COVERED WITH 30# TAR PAPER WITH A 1" OVERHANG ON ALL SIDES. TAR PAPER SHALL BE OVERLAPPED A MIN. OF 6-INCHES AT SEAMS.

MISCELLANEOUS METALS

- ALL BOLTS, THREADED ROD, AND DRIFT PINS USED IN TIMBER CONSTRUCTION SHALL BE HOT-DIPPED GALVANIZED, ASTM A307.
- ALL WASHERS SHALL BE HOT-DIPPED GALVANIZED, ASTM F436 OVERSIZED WASHERS.
- ALL STEEL PILE CAP PLATES AND MISCELLANEOUS PLATE STEEL SHALL CONFORM TO ASTM A572, GR. 50 (fy = 50 KSI MIN.).
- ALL MISC. STEEL HARDWARE USED IN TIMBER CONSTRUCTION SHALL BE HOT-DIPPED GALVANIZED A36 STEEL (MIN).
- ALL HOT-DIP GALVANIZING SHALL BE PERFORMED IN ACCORDANCE WITH ASTM A123.
- ALL WELDING SHALL BE PERFORMED BY CERTIFIED WELDERS AND SHALL MEET AWS SPECIFICATION D1.1, LATEST EDITION. ELECTRODES SHALL BE E70XX LOW-HYDROGEN OR APPROVED EQUAL.
- ALL HOLES AND/OR SLOTS SPECIFIED IN STEEL PLATES AND SHAPES SHALL BE FACTORY DRILLED/CUT OR MAG-DRILLED IN THE FIELD. NO BURNING SHALL BE ALLOWED. ANY CUTTING OR DRILLING PREFORMED AFTER THE FACTORY COATING HAS BEEN APPLIED SHALL BE TOUCH-UP COATED WITH THE MANUFACTURER'S COATING FIELD TOUCH-UP KITS.

GENERAL EXECUTION NOTES

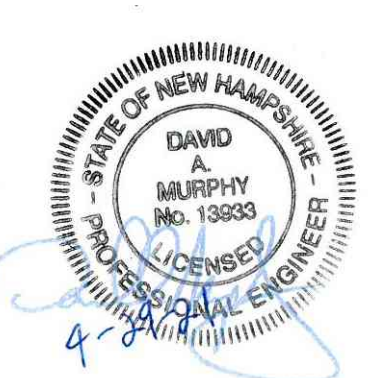
- IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO ENSURE THAT CONSTRUCTION ACTIVITIES PROCEED IN A SMOOTH LOGICAL SEQUENCE AND IN A MANNER THAT WILL NOT CAUSE ANY DAMAGE TO OR CREATE EXCESSIVE STRESS, LOADS, OR VIBRATIONS ON EXISTING OR PROPOSED STRUCTURES UTILITIES.
- THE CONTRACTOR SHALL PROVIDE ADEQUATE FENCING, BARRICADES, AND SIGNS TO ENSURE SAFETY.
- ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE LATEST OSHA REGULATIONS.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING A LEVEL AND STABLE SURFACE ON WHICH EQUIPMENT WILL OPERATE.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR DEVELOPING ITS OWN PICK/LIFT PROCEDURES INCLUDING, BUT NOT LIMITED TO SAFE PICKING RADII, LIFTING DEVICES, AND SLINGS.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE WEIGHT OF EACH PICK AND FOR ENSURING THE STABILITY OF EACH PICK DURING ALL PHASES OF WORK.

- THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO LOCATE AND PROTECT EXISTING UTILITIES IN THE AREA AS REQUIRED. OVERHEAD POWER LINES ADJACENT TO WORK AREAS ARE TO BE SHUT DOWN DURING OPERATIONS WHEN THE CONTRACTOR BELIEVES THEY MAY INTERFERE, OR ARE TOO CLOSE TO THE WORK. WHEN POWER LINES IN THE WORK AREA CAN NOT BE DEENERGIZED, THE CONTRACTOR SHALL MAINTAIN A SAFE DISTANCE AS DETERMINED BY OSHA. ALL UTILITIES SHALL BE LOCATED AND MARKED IN ACCORDANCE WITH OSHA STANDARDS.

SURFACE RESTORATION NOTES

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

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95 Mechanic Street Seawall & Wharf Replacement

City of Portsmouth



Portsmouth, New Hampshire

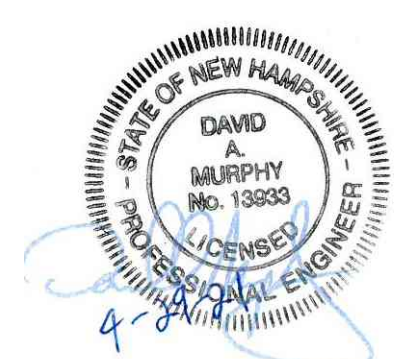
MARK	4/29/2021	ADDENDUM 2
DATE	MARCH 24, 2021	
PROJECT NO:	P-0714-003	
FILE:	General Notes.dwg	
DRAWN BY:	JAK	
CHECKED:	GC	
APPROVED:	DAM	

GENERAL NOTES - 2

SCALE: AS SHOWN

G-004

ISSUED FOR BIDDING



95 Mechanic Street Seawall & Wharf Replacement

City of Portsmouth



Portsmouth, New Hampshire

MARK	DATE	DESCRIPTION

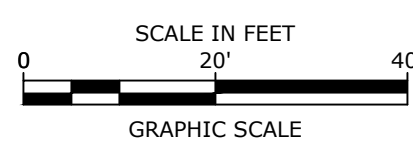
OVERALL SITE PLAN

SCALE: AS SHOWN

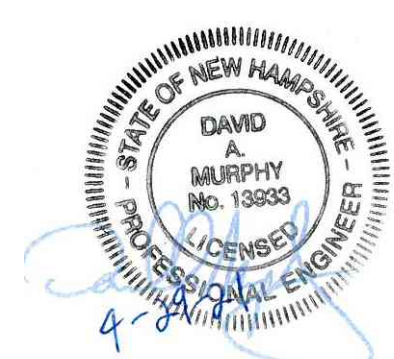
C-001



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ISSUED FOR BIDDING



95 Mechanic Street Seawall & Wharf Replacement

City of Portsmouth



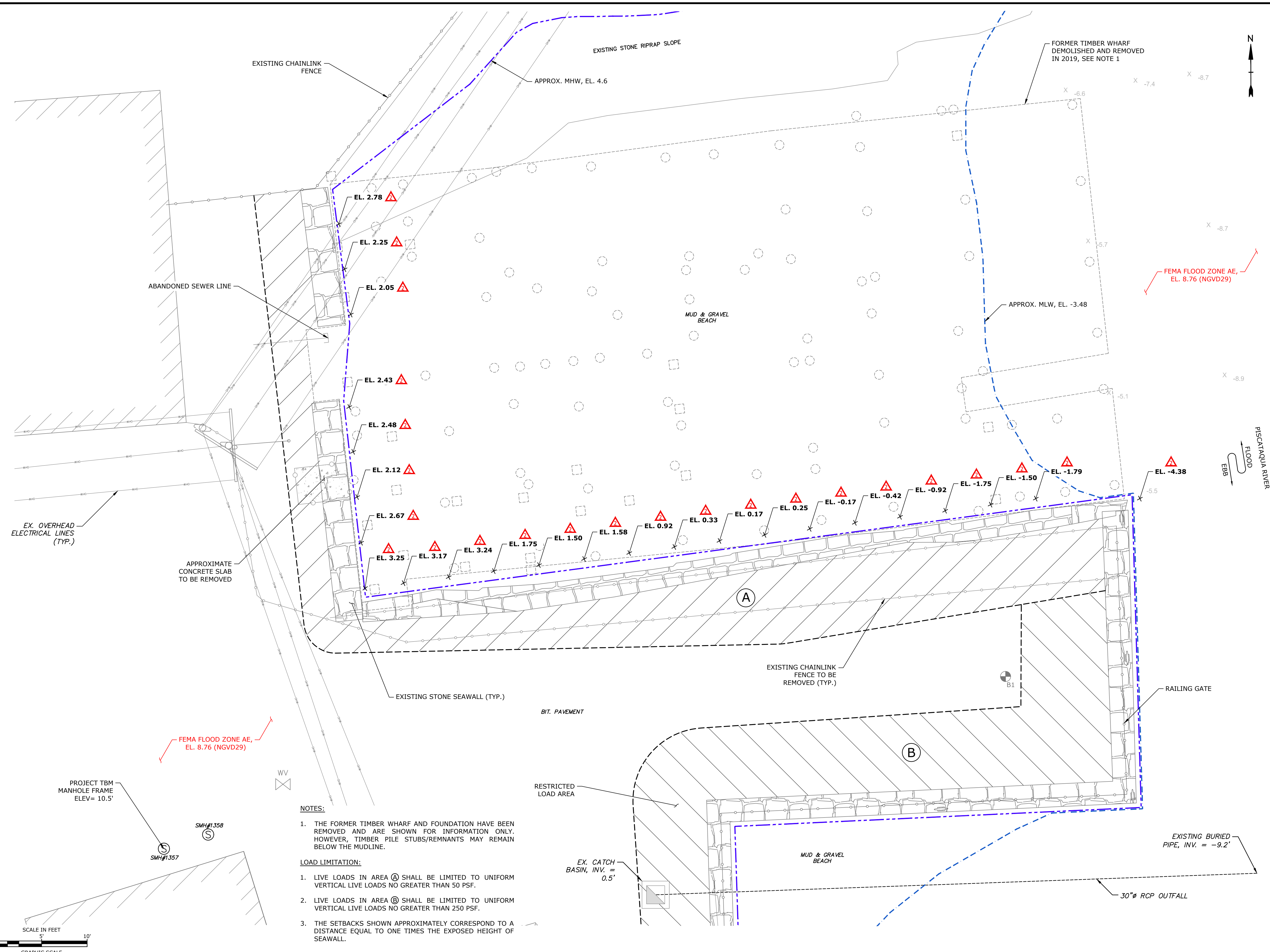
Portsmouth, New Hampshire

MARK	DATE	DESCRIPTION
△	4/29/2021	ADDENDUM 2
PROJECT NO: P-0714-003		
DATE: MARCH 24, 2021		
FILE: P0714_003 C001-C002.dwg		
DRAWN BY: JAK		
CHECKED: GC		
APPROVED: DAM		

EXISTING CONDITIONS PLAN

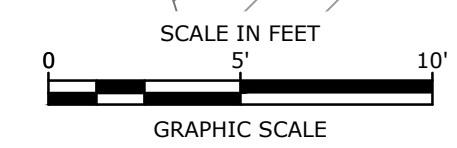
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C-002

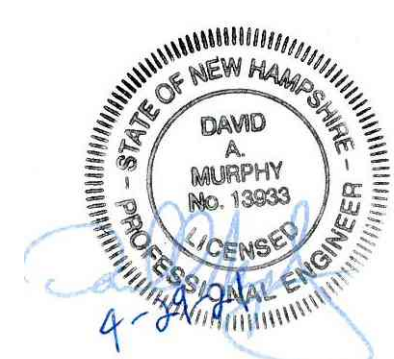


- NOTES:**
1. THE FORMER TIMBER WHARF AND FOUNDATION HAVE BEEN REMOVED AND ARE SHOWN FOR INFORMATION ONLY. HOWEVER, TIMBER PILE STUBS/REMNANTS MAY REMAIN BELOW THE MUDLINE.
- LOAD LIMITATION:**
1. LIVE LOADS IN AREA (A) SHALL BE LIMITED TO UNIFORM VERTICAL LIVE LOADS NO GREATER THAN 50 PSF.
 2. LIVE LOADS IN AREA (B) SHALL BE LIMITED TO UNIFORM VERTICAL LIVE LOADS NO GREATER THAN 250 PSF.
 3. THE SETBACKS SHOWN APPROXIMATELY CORRESPOND TO A DISTANCE EQUAL TO ONE TIMES THE EXPOSED HEIGHT OF SEAWALL.

Last Saved: 4/29/2021 12:02pm By: DGM
 Printed On: Apr 29, 2021 12:02pm
 Tighe & Bond 217 Pop 24 City of Portsmouth (003-95 Mechanic Street) Drawings (P0714_003 C001-C002.dwg)



ISSUED FOR BIDDING



95 Mechanic Street Seawall & Wharf Replacement

City of Portsmouth



Portsmouth, New Hampshire

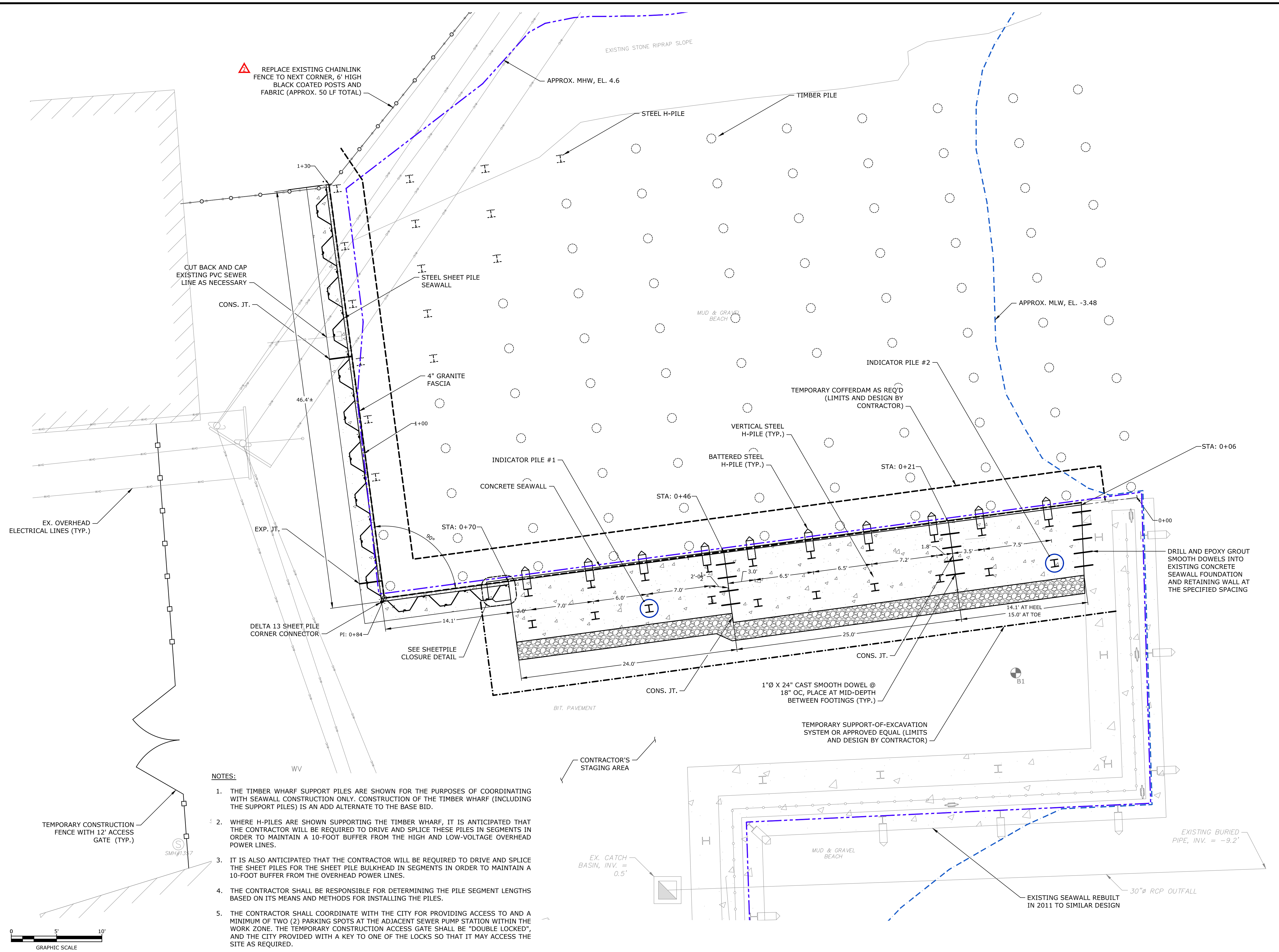
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	4/29/2021	ADDENDUM 2

PROJECT NO: P-0714-003
DATE: MARCH 24, 2021
FILE: P0714-008-C-SITE.dwg
DRAWN BY: JAK
CHECKED: GC
APPROVED: DAM

SEAWALL PLAN

SCALE: AS SHOWN

C-101

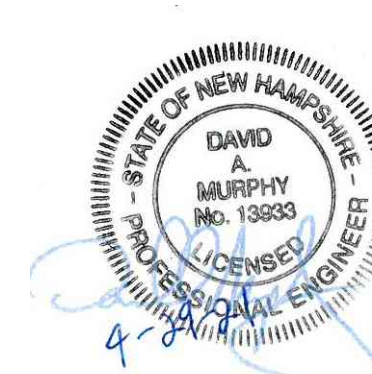


NOTES:

1. THE TIMBER WHARF SUPPORT PILES ARE SHOWN FOR THE PURPOSES OF COORDINATING WITH SEAWALL CONSTRUCTION ONLY. CONSTRUCTION OF THE TIMBER WHARF (INCLUDING THE SUPPORT PILES) IS AN ADD ALTERNATE TO THE BASE BID.
2. WHERE H-PILES ARE SHOWN SUPPORTING THE TIMBER WHARF, IT IS ANTICIPATED THAT THE CONTRACTOR WILL BE REQUIRED TO DRIVE AND SPLICE THESE PILES IN SEGMENTS IN ORDER TO MAINTAIN A 10-FOOT BUFFER FROM THE HIGH AND LOW-VOLTAGE OVERHEAD POWER LINES.
3. IT IS ALSO ANTICIPATED THAT THE CONTRACTOR WILL BE REQUIRED TO DRIVE AND SPLICE THE SHEET PILES FOR THE SHEET PILE BULKHEAD IN SEGMENTS IN ORDER TO MAINTAIN A 10-FOOT BUFFER FROM THE OVERHEAD POWER LINES.
4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING THE PILE SEGMENT LENGTHS BASED ON ITS MEANS AND METHODS FOR INSTALLING THE PILES.
5. THE CONTRACTOR SHALL COORDINATE WITH THE CITY FOR PROVIDING ACCESS TO AND A MINIMUM OF TWO (2) PARKING SPOTS AT THE ADJACENT SEWER PUMP STATION WITHIN THE WORK ZONE. THE TEMPORARY CONSTRUCTION ACCESS GATE SHALL BE "DOUBLE LOCKED", AND THE CITY PROVIDED WITH A KEY TO ONE OF THE LOCKS SO THAT IT MAY ACCESS THE SITE AS REQUIRED.

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 Plotted On: Apr 29, 2021 11:20am
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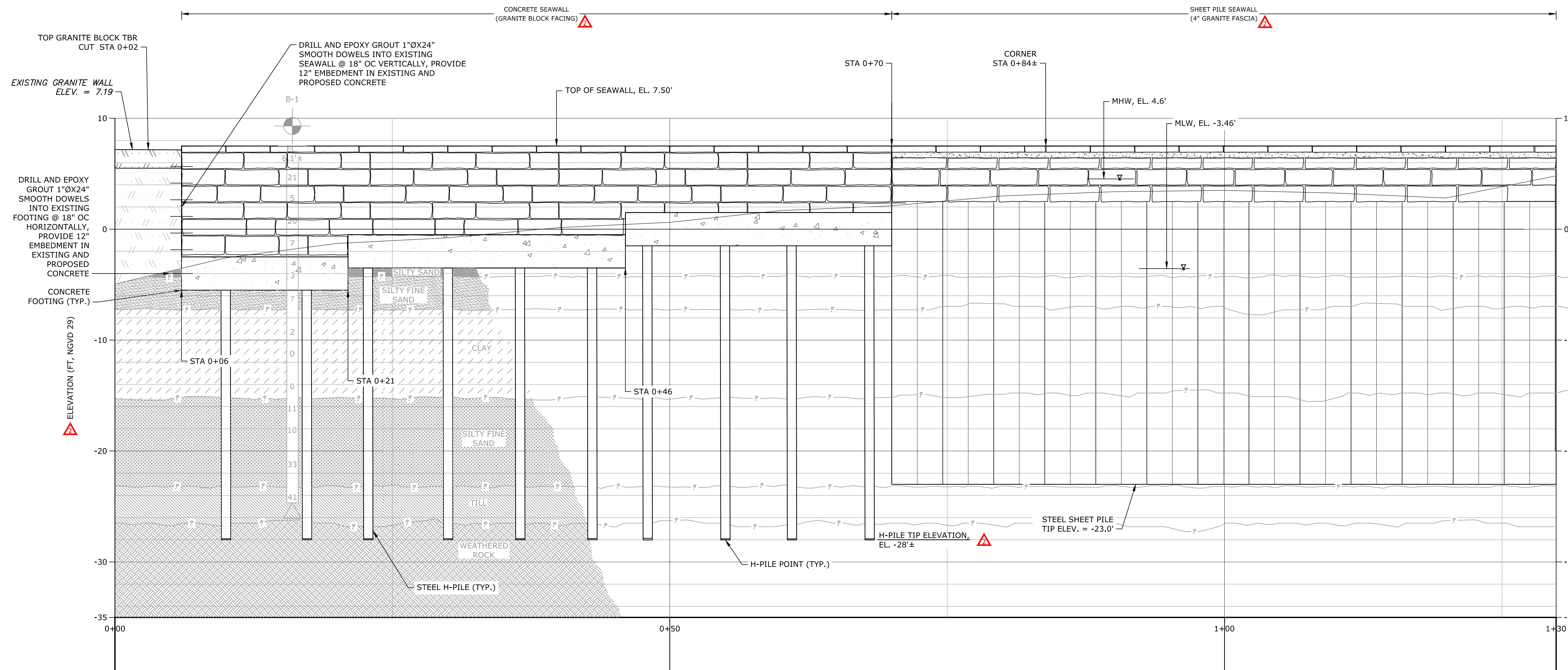


95 Mechanic Street Seawall & Wharf Replacement

City of Portsmouth



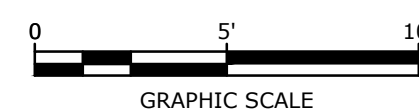
Portsmouth, New Hampshire



SEAWALL ELEVATION VIEW

NOTES:

1. THE SOIL PROFILE SHOWN IS BASED ON SOIL BORING NO. B-1, AS PROVIDED BY OTHERS.
2. THE DEPTH AND THICKNESS OF THE SUBSURFACE STRATA INDICATED ON THE ELEVATION AND SECTIONS WERE GENERALIZED FROM AND INTERPOLATED BETWEEN SOIL BORINGS. INFORMATION ON ACTUAL SUBSURFACE CONDITIONS EXISTS ONLY AT THE SPECIFIC LOCATION AND ON THE DATES INDICATED. SOIL AND ROCK CONDITIONS, AND WATER LEVELS AT OTHER LOCATIONS MAY DIFFER FROM CONDITIONS OCCURRING AT THE BORING LOCATIONS. ALSO THE PASSAGE OF TIME MAY RESULT IN A CHANGE IN THE CONDITIONS AT THE SOIL BORING LOCATIONS.



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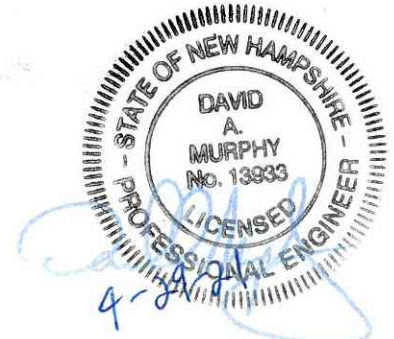
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DATE:		MARCH 24, 2021
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CHECKED:		GC
APPROVED:		DAM

SEAWALL ELEVATION

SCALE: AS SHOWN

C-301

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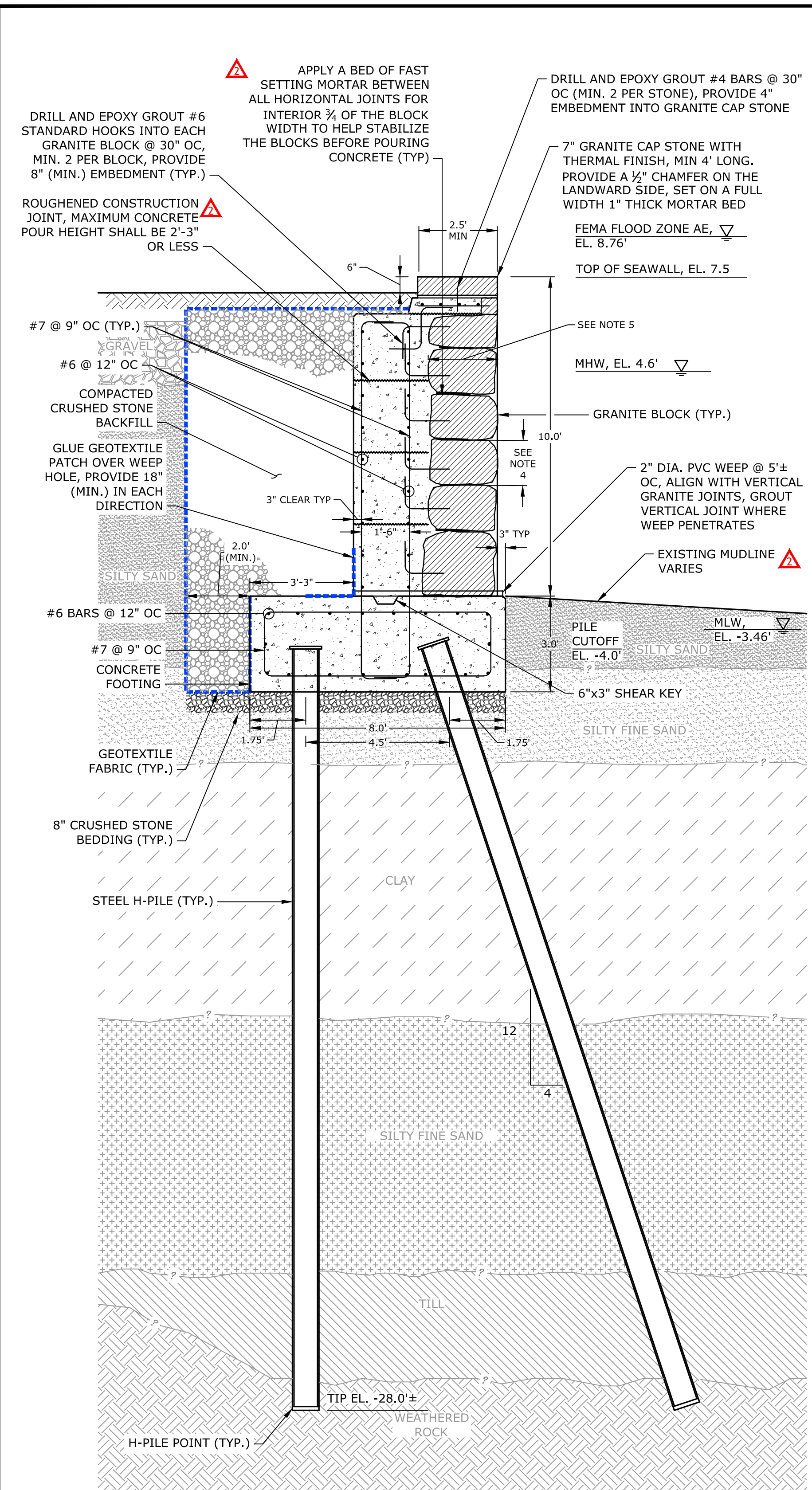


95 Mechanic Street Seawall & Wharf Replacement

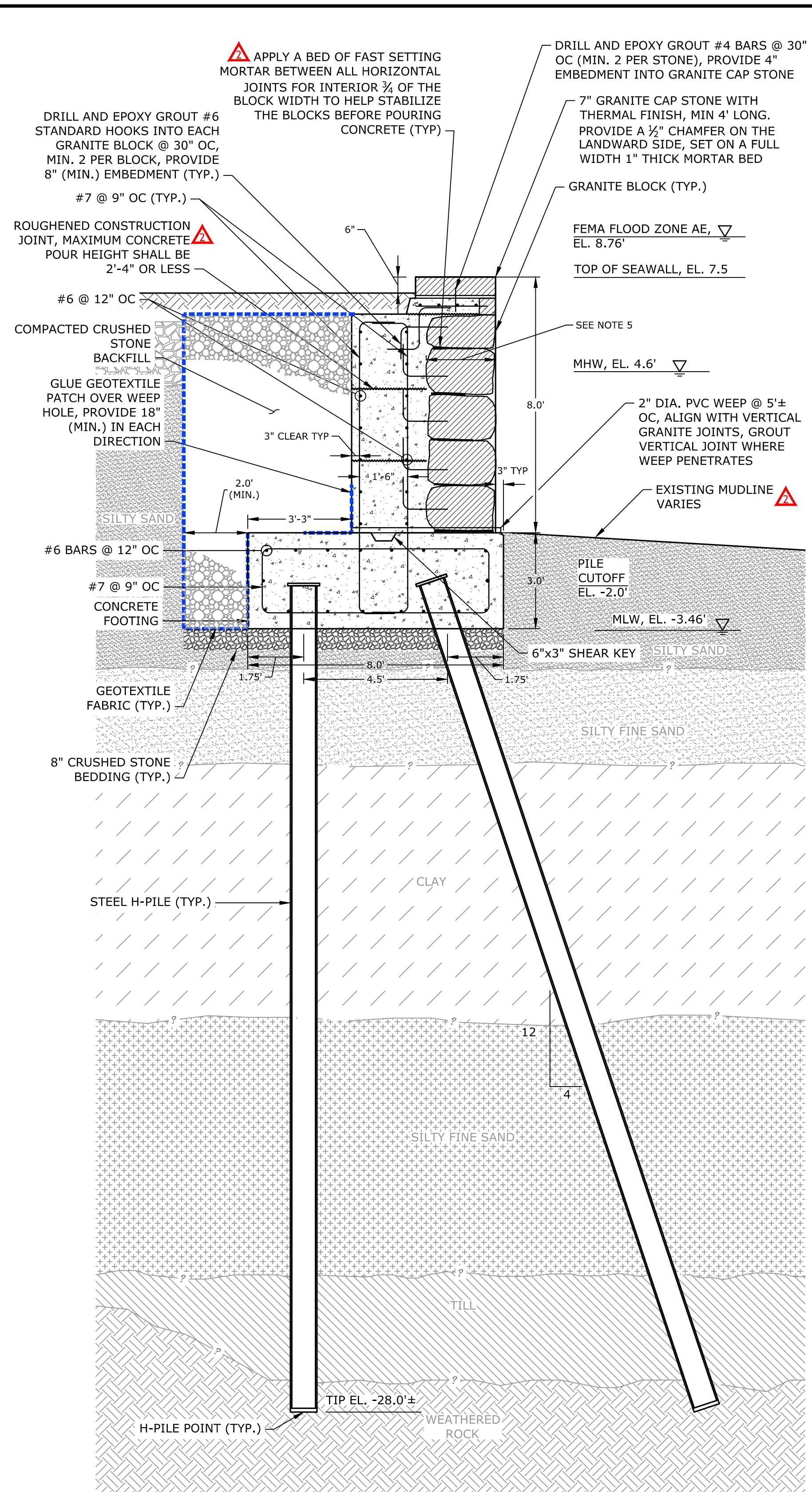
City of Portsmouth



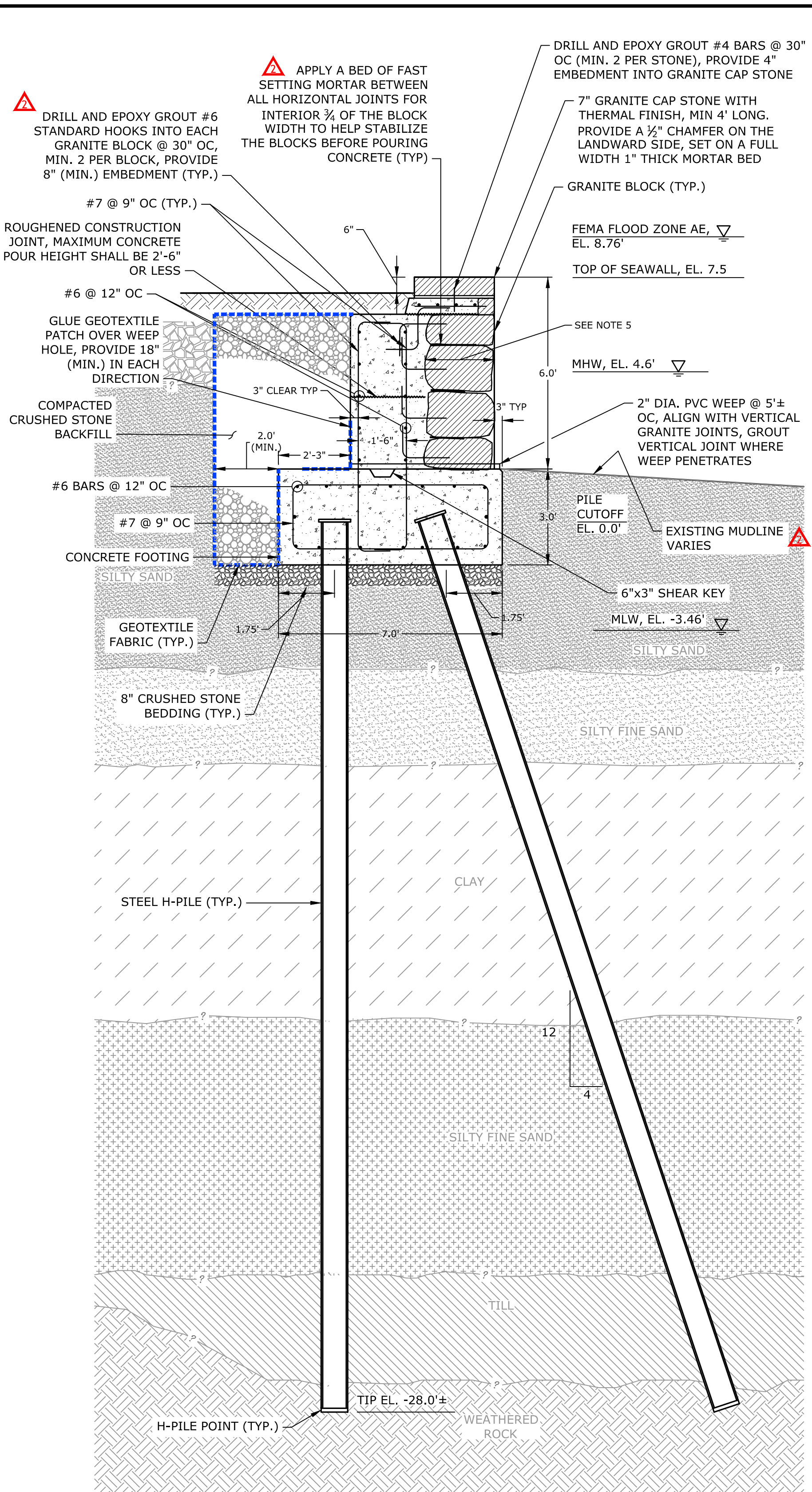
Portsmouth, New Hampshire



TYPICAL CONCRETE SEAWALL SECTION
STA 0+06 TO STA 0+21



TYPICAL CONCRETE SEAWALL SECTION
STA 0+21 TO STA 0+46



TYPICAL CONCRETE SEAWALL SECTION
STA 0+46 TO STA 0+70

NOTE:

1. THE SOIL PROFILE SHOWN IS BASED ON SOIL BORING NO. B-1, AS PROVIDED BY OTHERS.
2. THE DEPTH AND THICKNESS OF THE SUBSURFACE STRATA INDICATED ON THE ELEVATION AND SECTIONS WERE GENERALIZED FROM AND INTERPOLATED BETWEEN SOIL BORINGS. INFORMATION ON ACTUAL SUBSURFACE CONDITIONS EXISTS ONLY AT THE SPECIFIC LOCATION AND ON THE DATES INDICATED. SOIL AND ROCK CONDITIONS, AND WATER LEVELS AT OTHER LOCATIONS MAY DIFFER FROM CONDITIONS OCCURRING AT THE BORING LOCATIONS. ALSO THE PASSAGE OF TIME MAY RESULT IN A CHANGE IN THE CONDITIONS AT THE SOIL BORING LOCATIONS.
3. HORIZONTAL REBAR THAT ARE LOCATED AT THE SAME ELEVATION IN THE CONCRETE FOOTINGS AND STEM WALLS SHALL BE CONTINUOUS THROUGH THE CONSTRUCTION JOINTS AND LAP SPICED WITH BARS IN THE ADJACENT CONCRETE POUR.
4. GRANITE BLOCK HEIGHT SHALL BE 1'-6" ± 2".
5. GRANITE BLOCK WIDTH SHALL BE 1'-6" MINIMUM AND 2'-6" MAXIMUM.
6. GRANITE BLOCKS FOR CONSTRUCTING THE PROPOSED SEAWALL SHALL BE REUSED FROM THE EXISTING SEAWALL AS AVAILABLE, PROVIDED THAT THEY MEET THE SPECIFIED SIZES AND THE REQUIREMENTS OF SECTION 04400, STONE MASONRY OF THE CONTRACT DOCUMENTS. IF THE SUPPLY OF USEABLE BLOCKS AVAILABLE AT THE SITE IS EXHAUSTED, ADDITIONAL BLOCKS ARE AVAILABLE AT THE DPW'S DESIGNATED STOCKPILE AREA FOR THE CONTRACTOR'S USE. IF THE SUPPLY OF USEABLE BLOCKS AVAILABLE AT THE DPW'S DESIGNATED STOCKPILE AREA IS EXHAUSTED, THE CONTRACTOR SHALL IMPORT NEW BLOCKS THAT SATISFY THE REQUIREMENTS OF THE CONTRACT DOCUMENTS. THE COST TO LOAD AND TRANSPORT BLOCKS FROM THE DPW'S STOCKPILE AREA, OR TO IMPORT NEW BLOCKS AS REQUIRED, SHALL BE BORNE BY THE CONTRACTOR.
7. THE FINAL APPEARANCE OF THE PROPOSED SEAWALL SHALL BE CONSISTENT WITH THE RECENTLY BUILT PORTIONS OF THE ADJACENT SEAWALL, SO AS TO PROVIDE A UNIFORM AESTHETIC BETWEEN THE OLD AND NEW SECTIONS.



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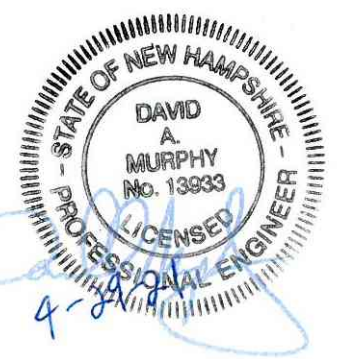
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DATE:	MARCH 24, 2021	
FILE:	P0714-008-C-SITE.dwg	
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SEAWALL SECTIONS

SCALE: AS SHOWN

C-302

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95 Mechanic Street Seawall & Wharf Replacement

City of Portsmouth



Portsmouth, New Hampshire

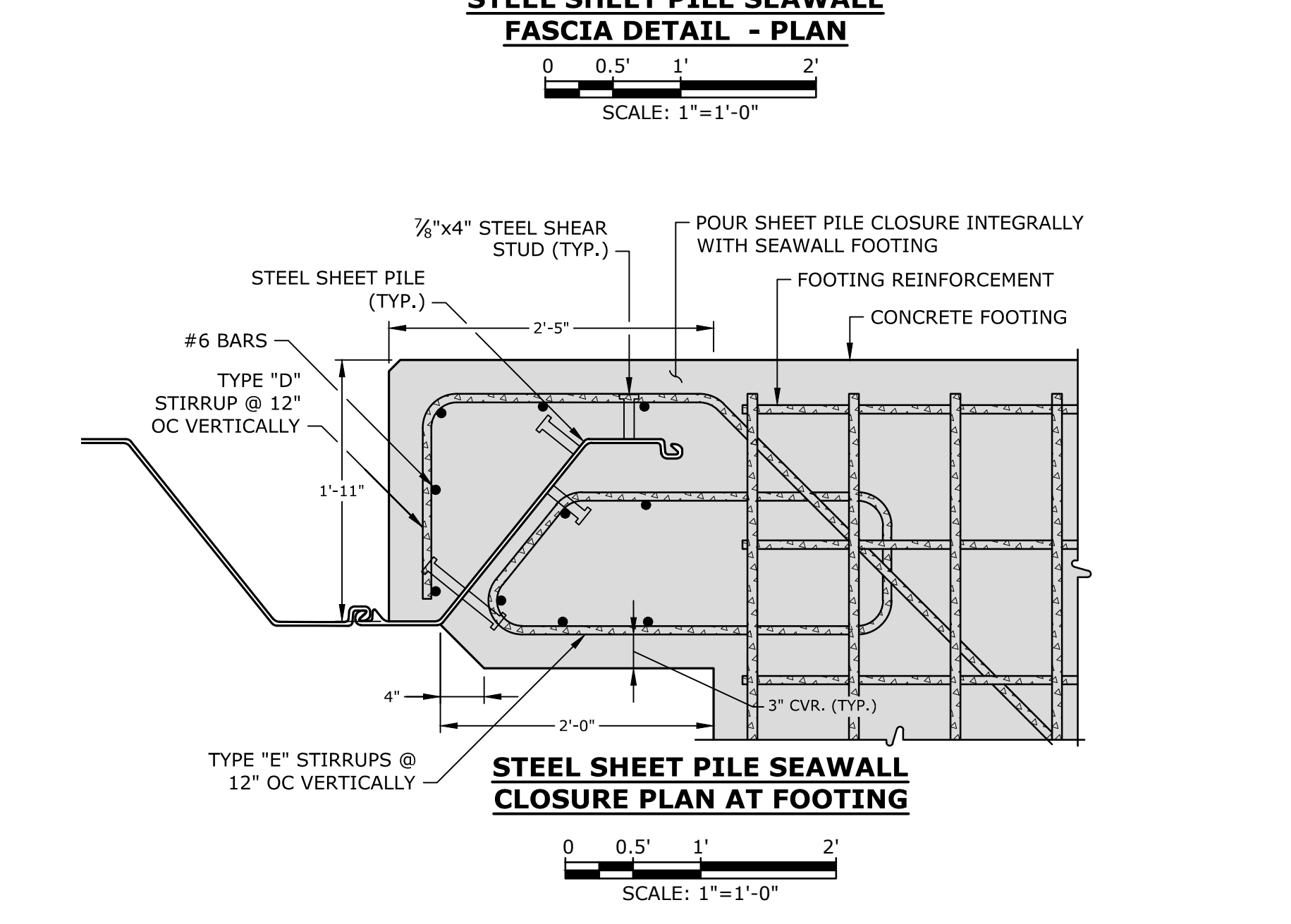
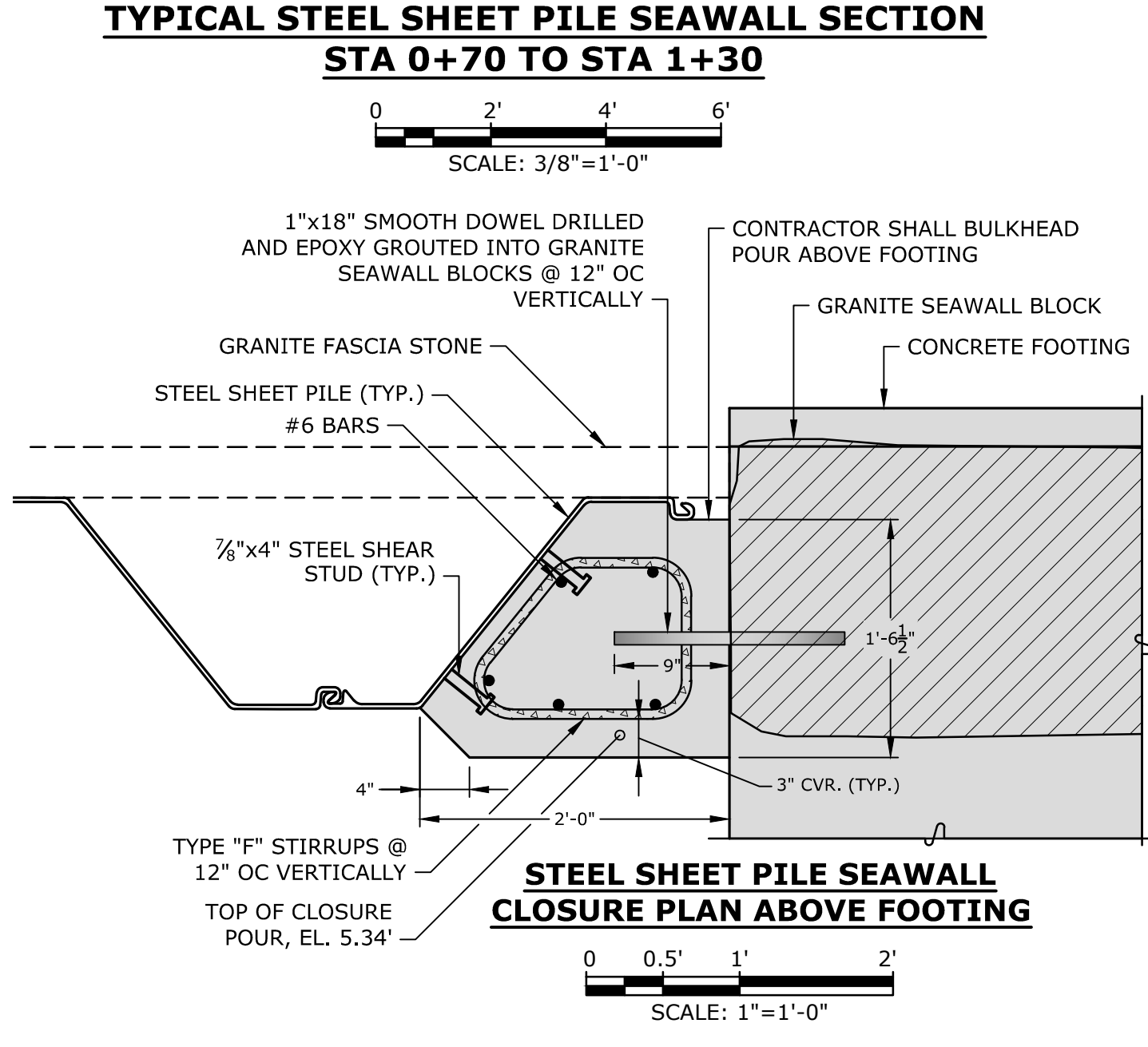
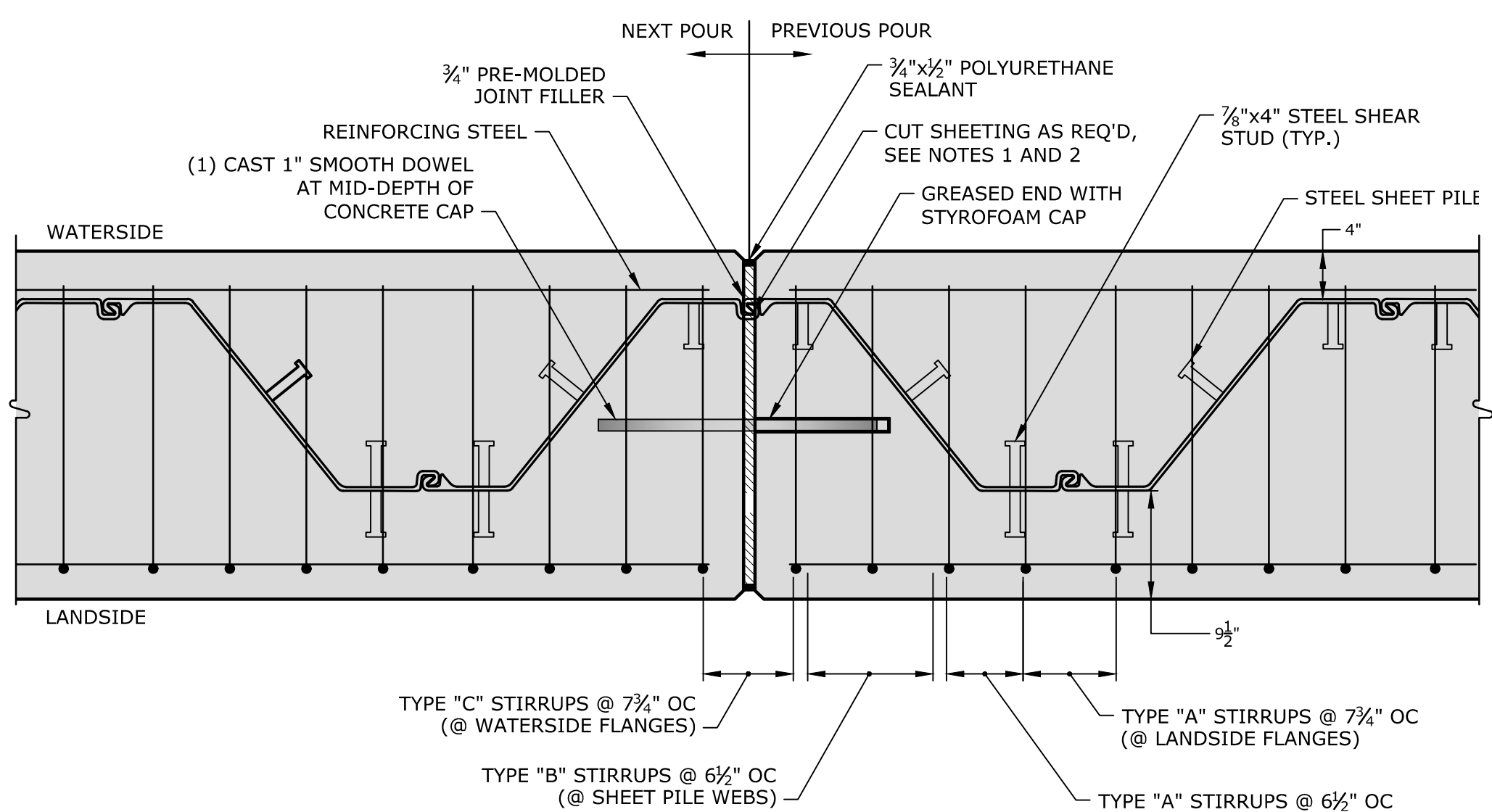
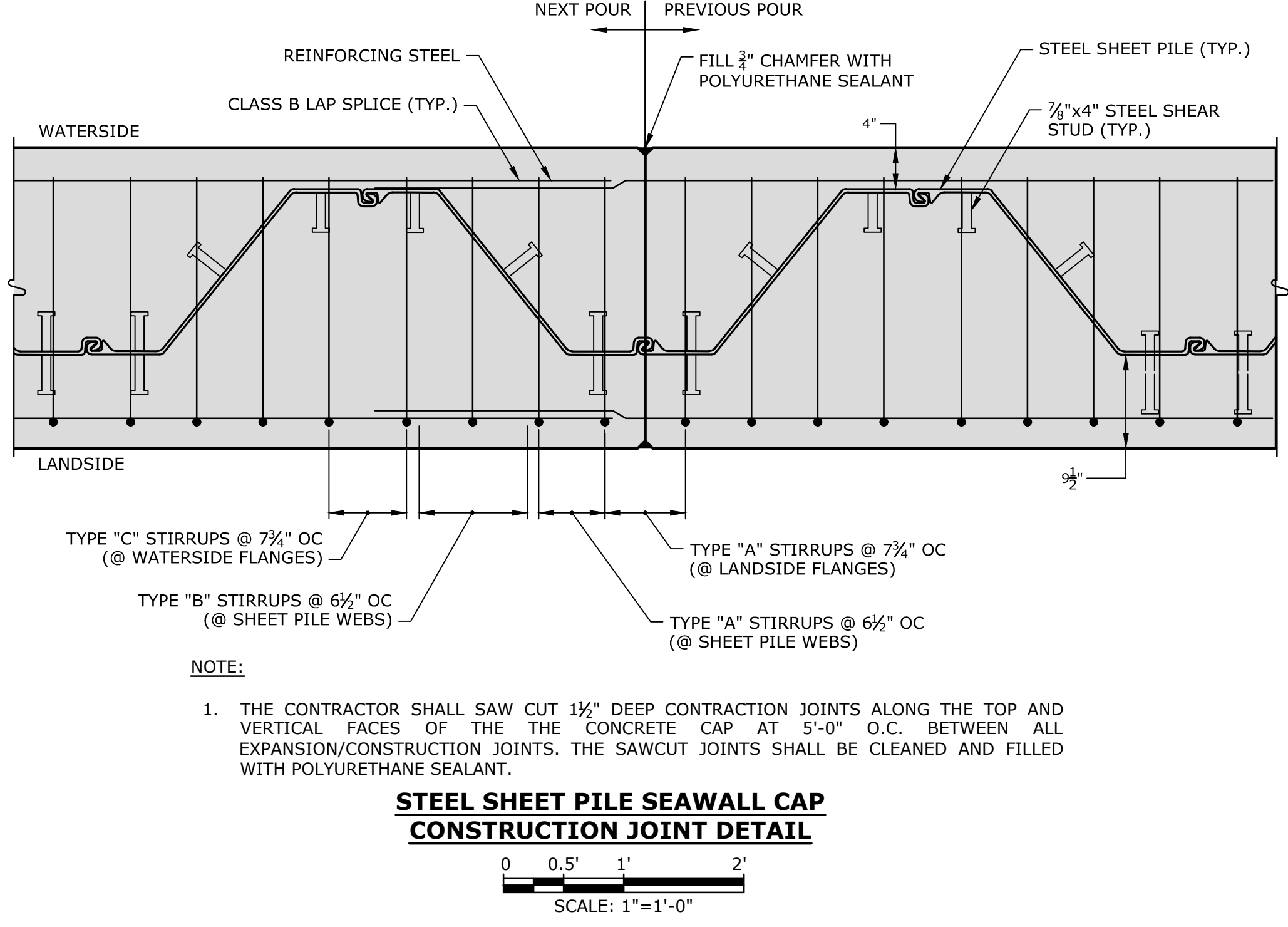
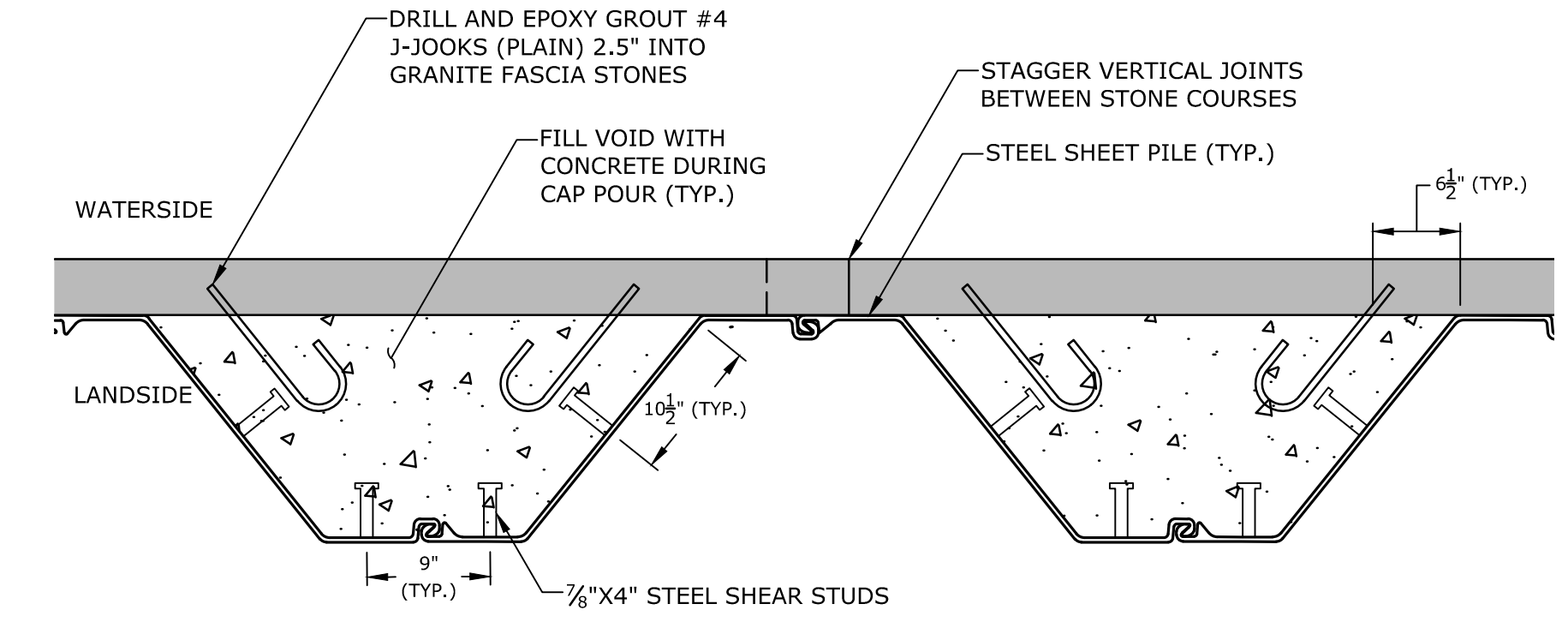
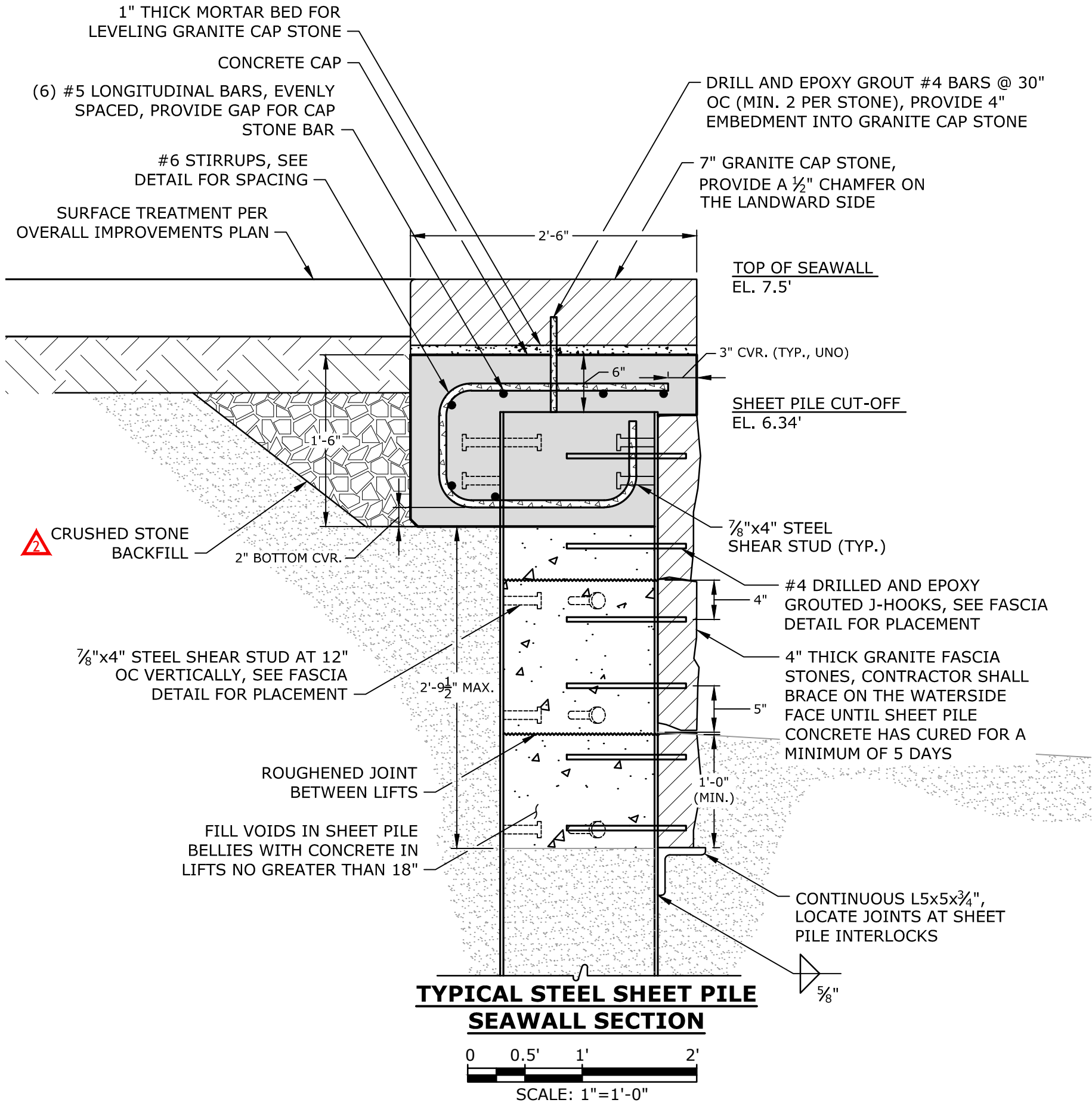
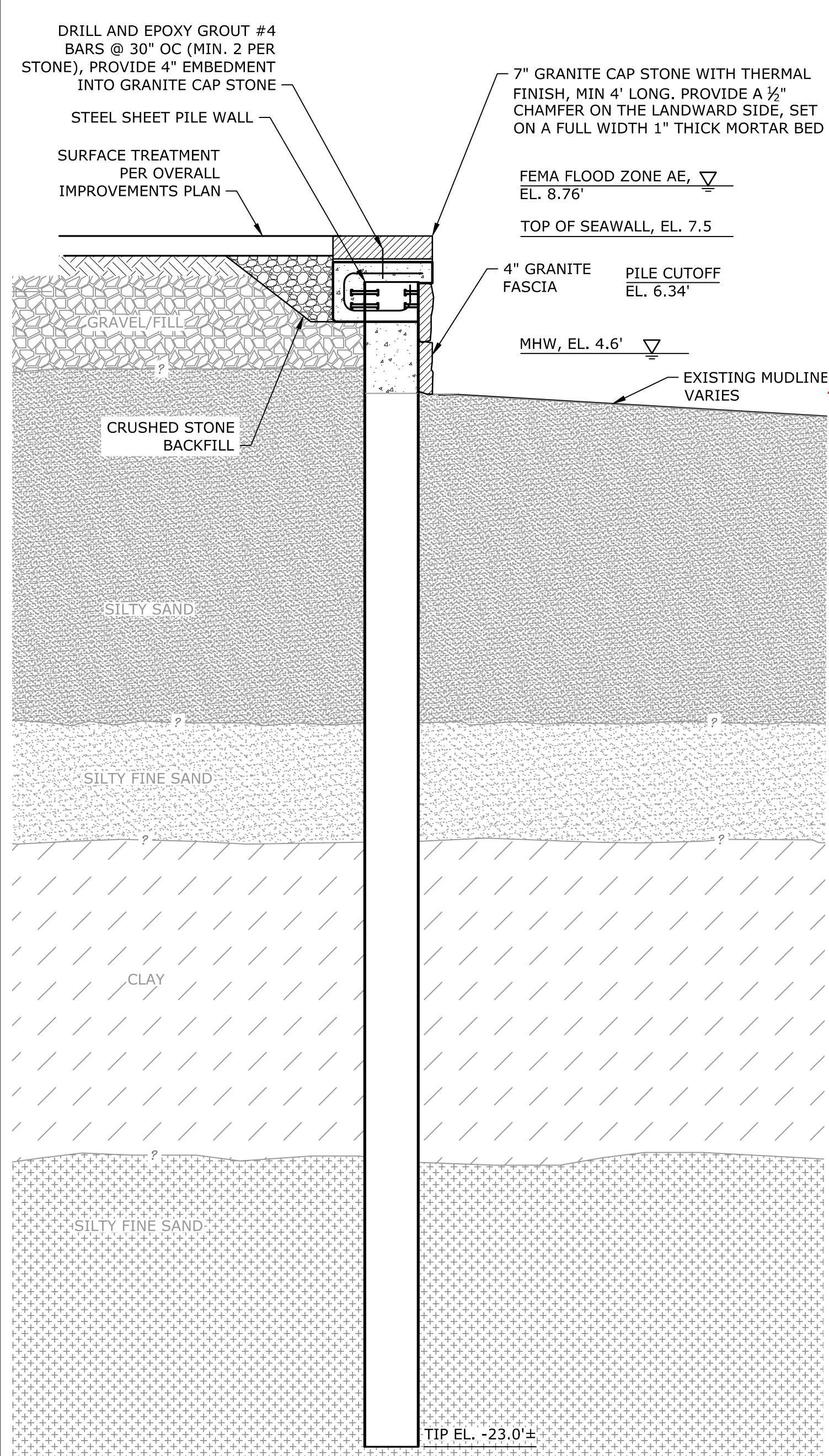
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DATE		DESCRIPTION

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DATE:	MARCH 24, 2021
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CHECKED:	GC
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SEAWALL DETAILS - 1

SCALE: AS SHOWN

C-303

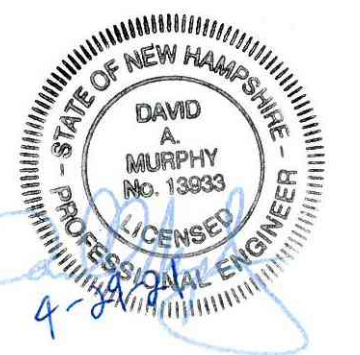


NOTE:
1. THE CONTRACTOR SHALL SAW CUT 1 1/2" DEEP CONTRACTION JOINTS ALONG THE TOP AND VERTICAL FACES OF THE CONCRETE CAP AT 5'-0" O.C. BETWEEN ALL EXPANSION/CONSTRUCTION JOINTS. THE SAWCUT JOINTS SHALL BE CLEANED AND FILLED WITH POLYURETHANE SEALANT.

NOTES:
1. THE CONTRACTOR SHALL CUT 2" WIDE SLOTS IN THE SHEETING FOR THE FULL DEPTH OF THE CONCRETE CAP AT ALL EXPANSION JOINT LOCATIONS.
2. THE CONTRACTOR SHALL PROVIDE A 24" WIDE (MIN) GEOTEXTILE FABRIC PATCH ON THE LANDWARD SIDE OF THE EXPANSION JOINTS TO PREVENT SOIL LOSS THROUGH THE EXPANSION JOINT/SLOT.
3. THE CONTRACTOR SHALL SPLIT THE GRANITE FASCIA STONES AT THE EXPANSION JOINT.

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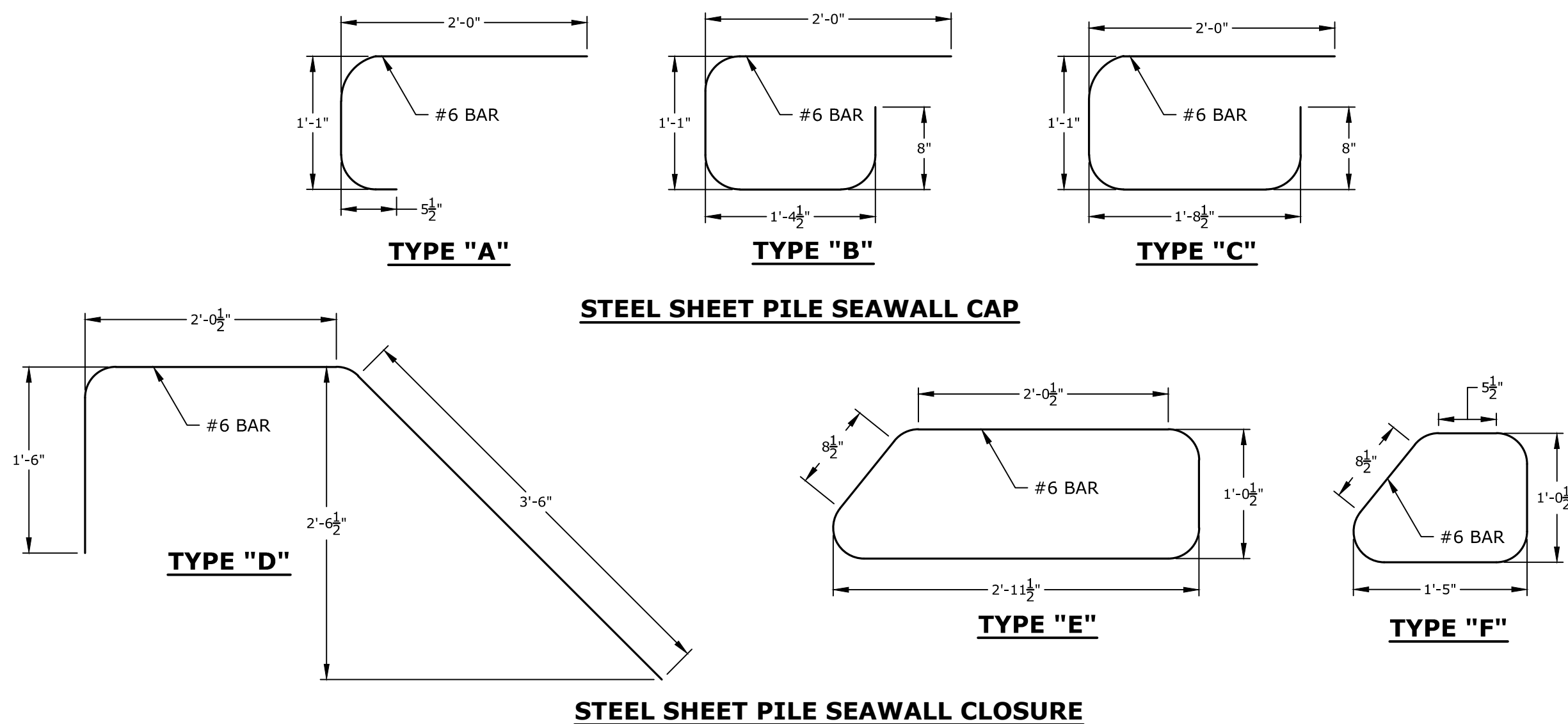


95 Mechanic Street Seawall & Wharf Replacement

City of Portsmouth



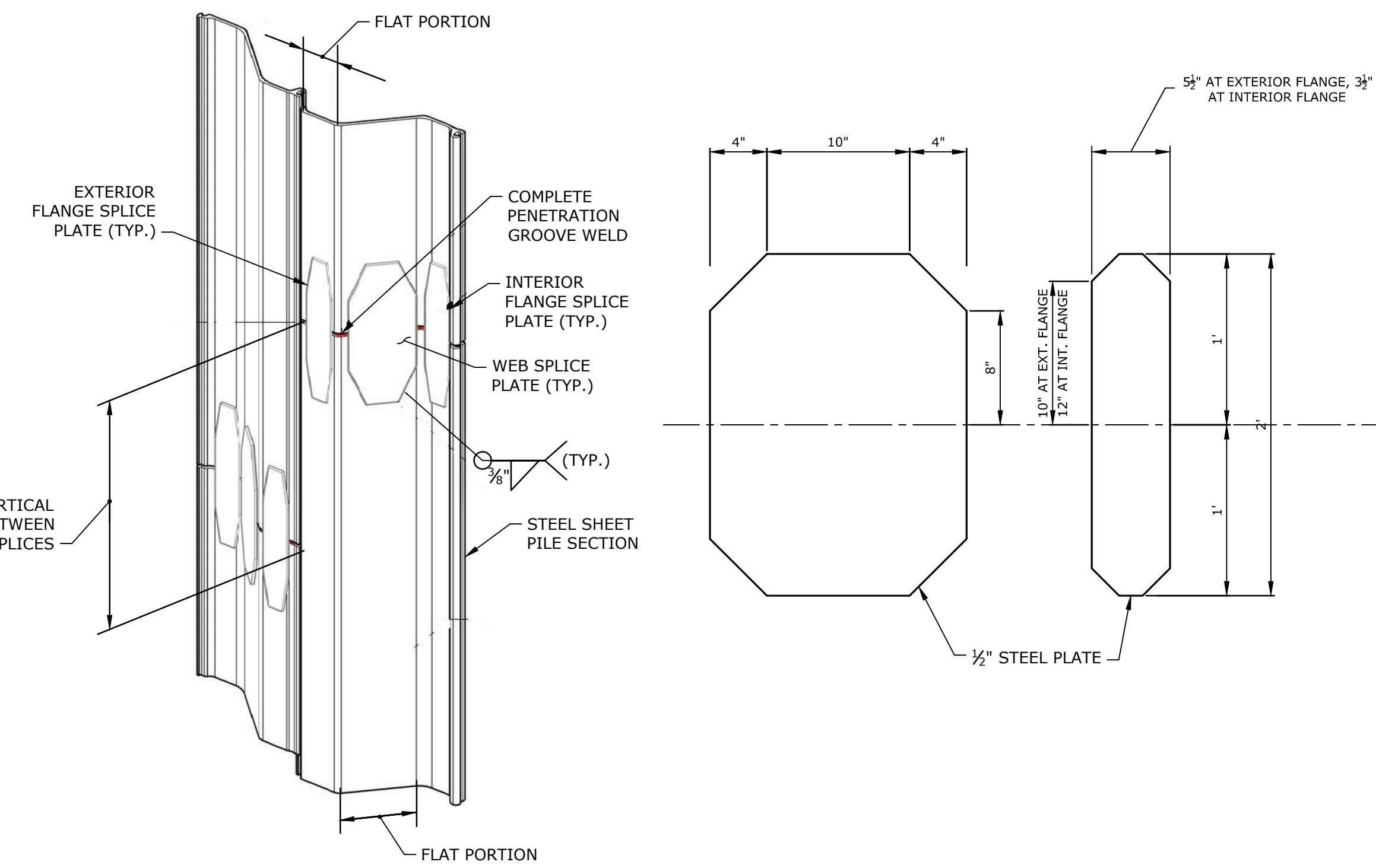
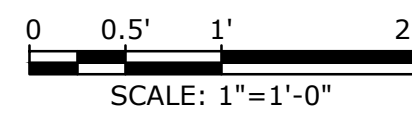
Portsmouth, New Hampshire



NOTES:

1. ALL DIMENSIONS SHOWN ARE "OUT-TO-OUT".

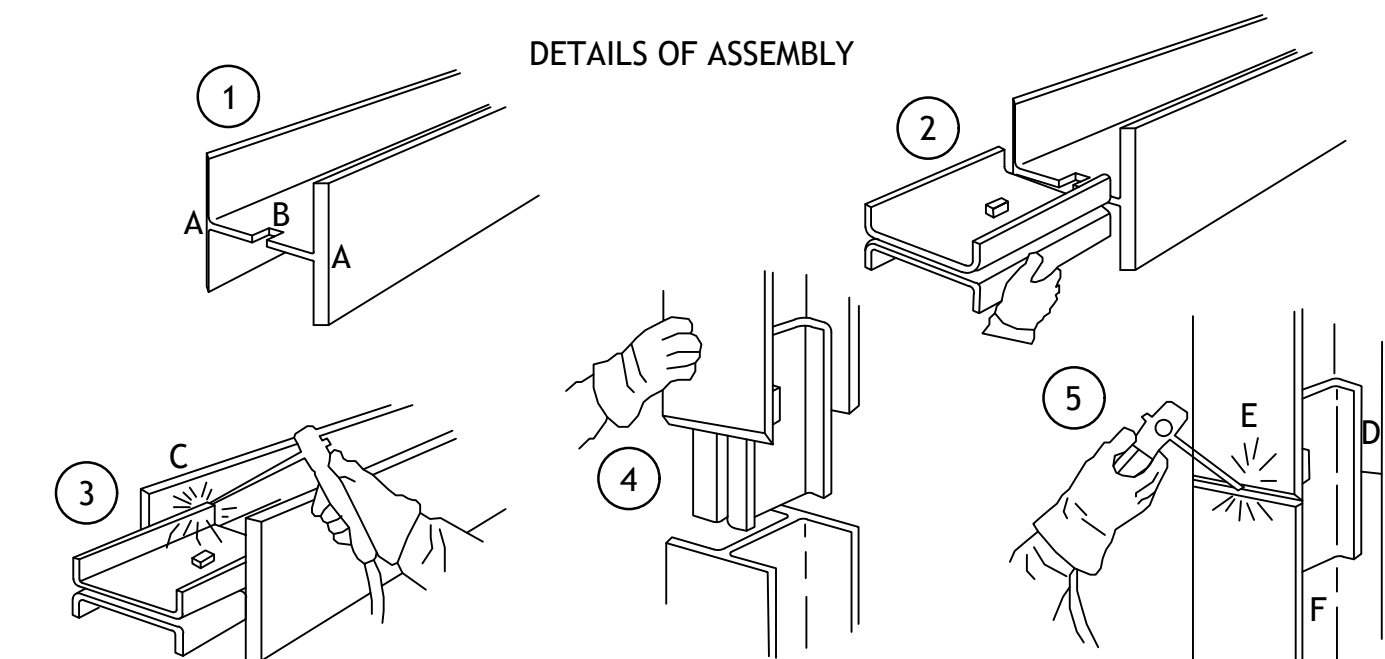
STEEL SHEET PILE SEAWALL STIRRUP DETAILS



NOTES:

1. STEEL SHEET PILES DO NOT NEED TO BE SPLICED WHERE THE CONTRACTOR HAS SUFFICIENT OVERHEAD CLEARANCE TO INSTALL THE FULL LENGTH SHEET PILE.
2. IF SPLICING IS REQUIRED, THEN THE SHEETS SHOULD BE ORDERED FULL LENGTH FROM THE PRODUCTION MILL. THEY SHOULD BE CUT AND MATCH-MARKED AT THE SITE. THESE SECTIONS SHALL THEN BE SPLICED BACK TOGETHER TO RECONSTRUCT THE ORIGINAL SHEET. THIS PROCEDURE REDUCES THE MISMATCHING OF CROSS SECTIONS AND IMPROVES SECTION GEOMETRY MATCH.
3. IN ORDER TO AVOID CREATING A PLANE OF WEAKNESS IN THE WALL, THE SPLICES ON ADJACENT SHEETS MUST BE STAGGERED BY A MINIMUM OF 3 FEET OR MORE.
4. PROVIDE FLANGE AND WEB PLATES AS SHOWN. LIGHT "SEAL" WELDS AROUND THE PERIMETER OF THE INTERLOCKS WILL HELP PREVENT THE FLOW OF WATER AND SOIL THROUGH THE SPLICE.
5. IN LIEU OF THE DETAIL ABOVE, THE CONTRACTOR MAY UTILIZE A Z-30000 SPLICE KIT SIZED FOR THE SELECTED SHEET PILE, AS MANUFACTURED BY ASSOCIATED PILE OR APPROVED EQUAL. THE CONTRACTOR SHALL SUBMIT A SHOP DRAWING DETAILING THE MANUFACTURED SPLICE, STAMPED BY A PROFESSIONAL ENGINEER REGISTERED IN THE STATE OF NEW HAMPSHIRE, FOR REVIEW AND APPROVAL BY THE ENGINEER PRIOR TO ORDERING THE SPLICE KITS. NOTES 1 THROUGH 3 SHALL STILL APPLY.

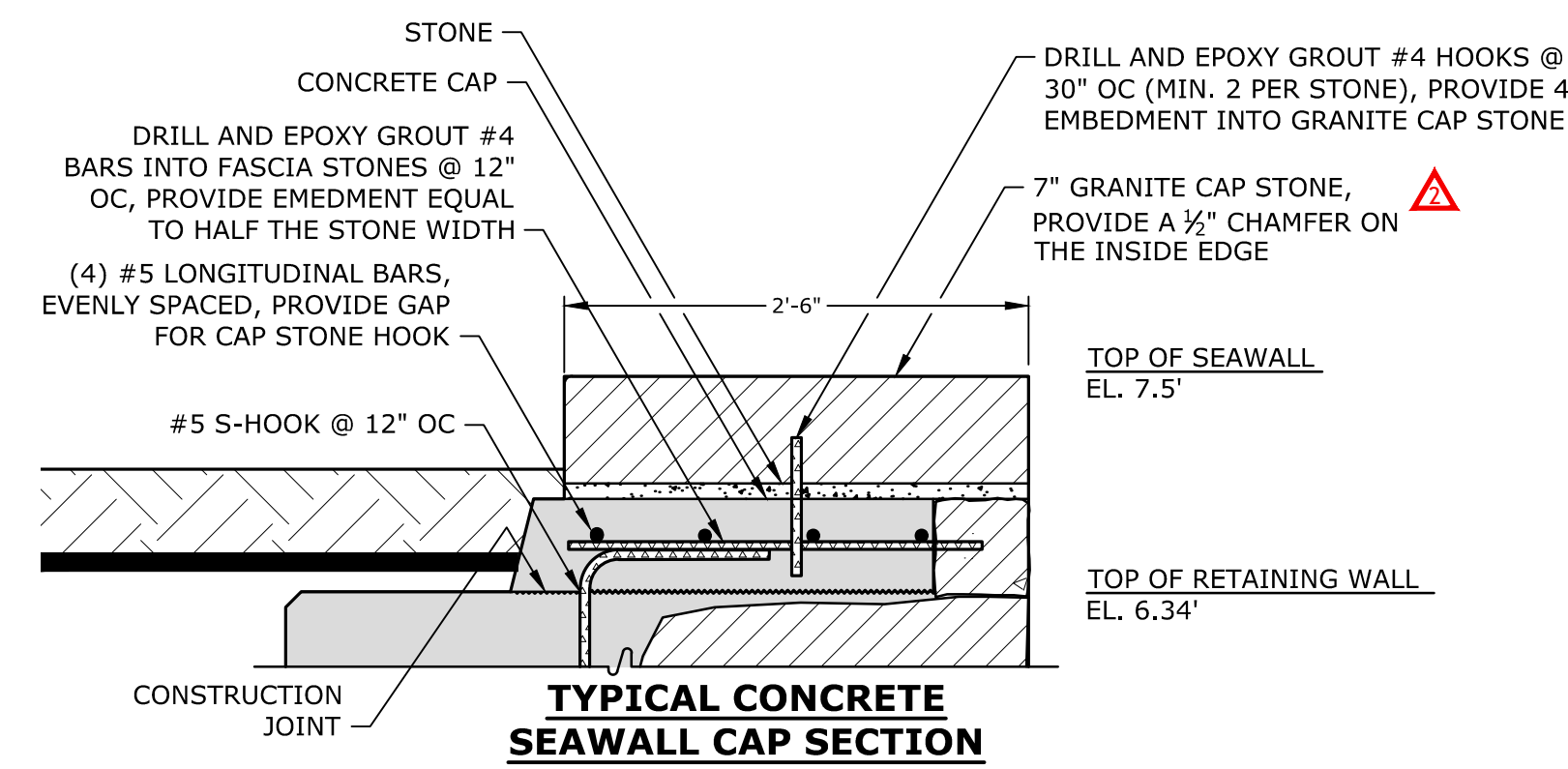
STEEL SHEET PILE SPLICE DETAIL
SCALE: NONE



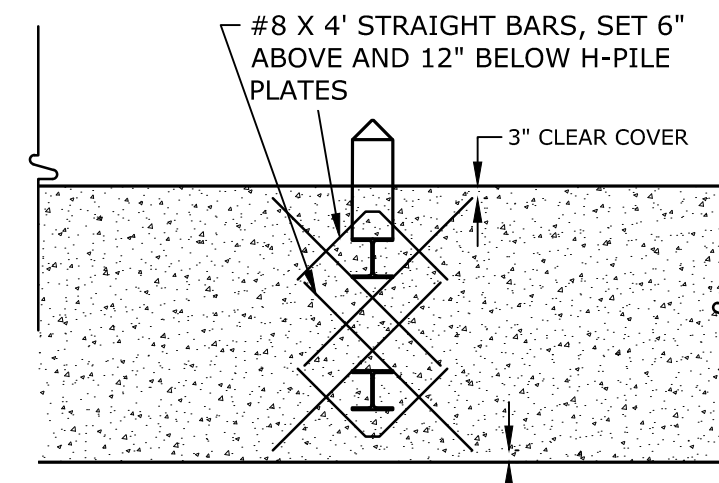
INSTALLATION PROCEDURE:

1. WITH THE PILE IN A HORIZONTAL POSITION ON THE GROUND, SCARF OUTSIDE EDGES OF FLANGES (A) AND TORCH CUT A 1/8" X 2 1/2" NOTCH IN THE WEB (B) TO ACCOMMODATE THE KEY.
2. INSERT THE SPLICER SLEEVE BETWEEN THE PILE FLANGES WITH THE WEB BETWEEN THE CHANNELS. USING A SLEDGE HAMMER, DRIVE THE SLEEVE UNTIL THE KEY SEATS IN THE NOTCH.
3. WELD BOTH FLANGES OF THE CHANNEL (C) TO THE FLANGES OF THE PILE STARTING AT THE EXTREME END OF THE CHANNEL WITH A 3/16" FILLET WELD. ROTATE THE PILE 180 DEGREES AND REPEAT WELD ON THIS SIDE.
4. WHEN A SPLICE IS TO BE MADE, HOIST A PREPARED SECTION ONTO THE EXISTING H-PILE AND GUIDE THE SLEEVE INTO POSITION. TAP THE NEW PILE SECTION TO CLOSE THE GAP BETWEEN THE PILES.
5. WELD THE FLANGES OF THE CHANNEL (D) TO THE FLANGES OF THE PILE WITH A 3/16" FILLET WELD AS IN STEP 3 ON BOTH SIDES. WELD BOTH PILE FLANGES WITH A FULL PENETRATION GROOVE WELD (E). WELD THE WEB OF THE CHANNEL (F) TO THE WEB OF THE PILE WITH A 3/8" X 7" FILLET WELD. REPEAT THIS WELD ON THE TOP AND BOTTOM OF THE CHANNEL, BOTH SIDES OF THE PILE.
7. SPLICER SLEEVE SHALL BE MODEL NO. HP-30000, A572 GR. 50, AS MANUFACTURED/ SUPPLIED BY ASSOCIATED PILE AND FITTING, INC., AND SIZED FOR THE SPECIFIED PILES.

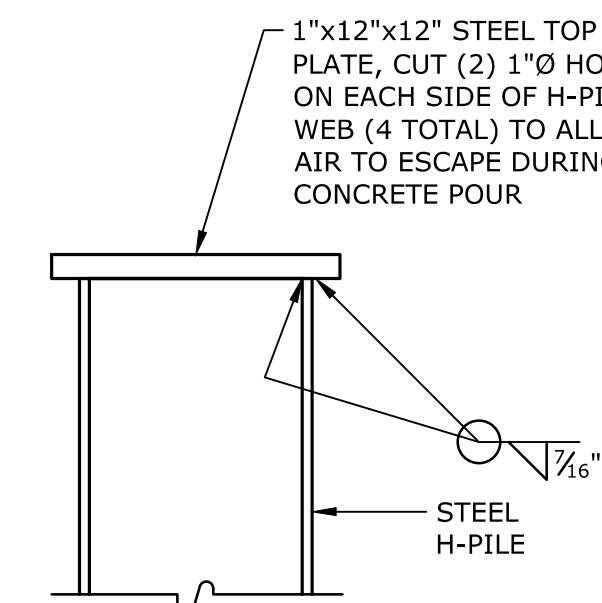
H-PILE SPLICE DETAIL
SCALE: NONE



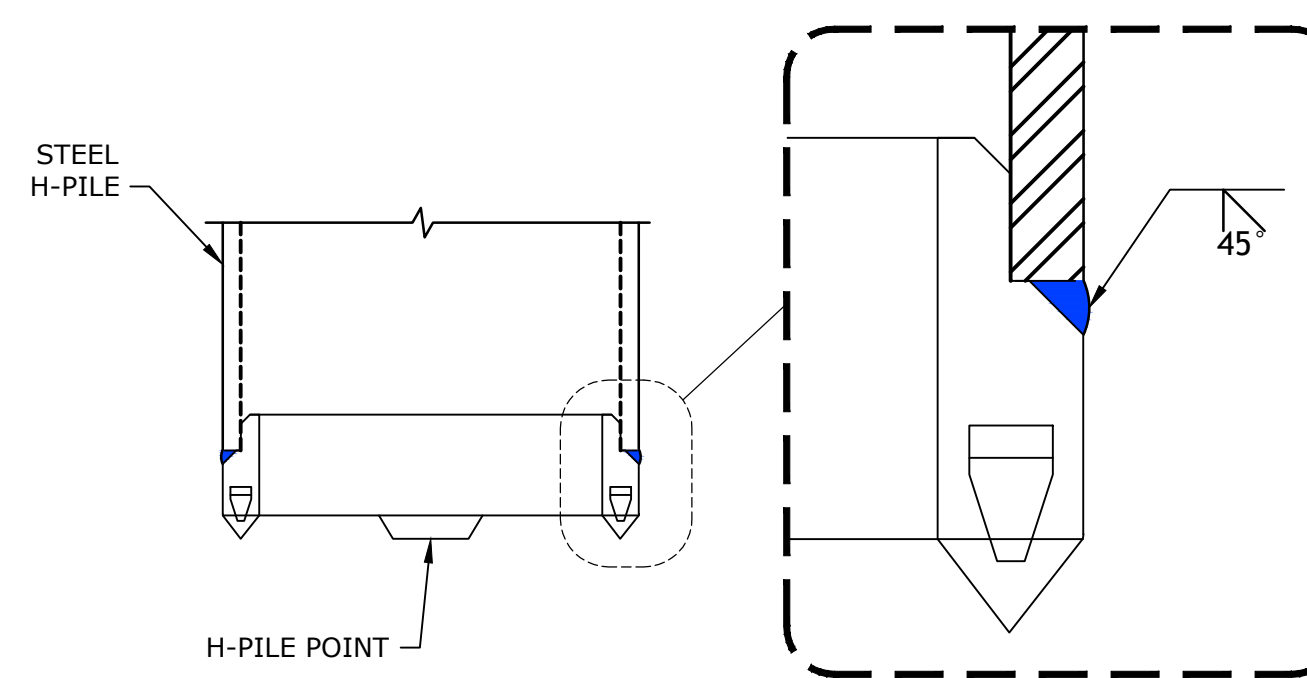
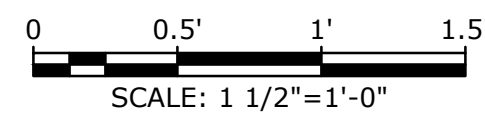
TYPICAL CONCRETE SEAWALL CAP SECTION
SCALE: 1"=1'-0"



REBAR PLAN AT H-PILES



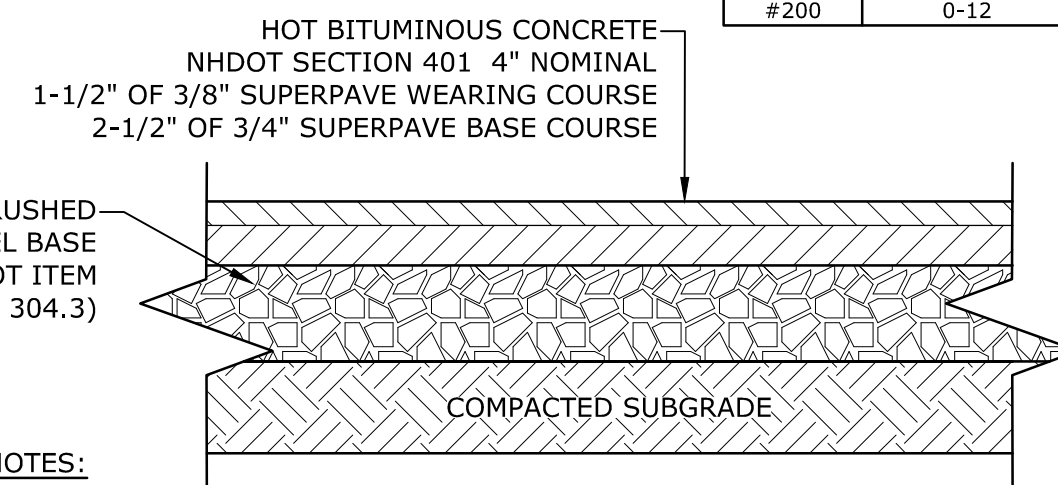
H-PILE TOP PLATE DETAIL



H-PILE POINT CONNECTION NOTES:

1. THE H-PILE POINT SHALL BE HARD-BITE MODEL NO. HP-77600-B, MADE OF CAST STEEL CONFORMING TO ASTM A148 88, AS MANUFACTURED BY ASSOCIATED PILE & FITTING, OR APPROVED EQUAL. H-PILE POINTS SHALL BE FLUSH MOUNTED (i.e., POINT DIMENSIONS LESS THAN OR EQUAL TO THE OUTSIDE PILE DIMENSIONS).
2. THE H-PILE SHALL BE TRIMMED TRUE AND SQUARE.
3. THE H-PILE POINT SHALL BE SHOP OR FACTORY INSTALLED.

H-PILE POINT DETAIL
SCALE: NONE



NOTES:

1. SEE SITE PLAN FOR PAVEMENT WIDTH AND LOCATION.
2. A TACK COAT SHALL BE PLACED ON TOP OF BINDER COURSE PAVEMENT PRIOR TO PLACING WEARING COURSE.
3. REFER TO CITY SPECIFICATIONS FOR ASPHALT MIX DESIGN.

CITY RIGHT-OF-WAY PAVEMENT SECTION
NO SCALE

SEAWALL COATING SCHEDULE			
COMPONENT	COATING TYPE	POINT OF APPLICATION	LIMITS
STEEL H-PILES (SEAWALL)	NONE	N/A	N/A
STEEL H-PILES (WHARF)	BAR RUST 235 OR CORROPIPE, COLOR BLACK, SEE SECTION 09900	SHOP	UPPER 1/2
STEEL SHEET PILES	NONE	N/A	N/A
CHAMPION H-PILE SPLICERS	BAR RUST 235 OR CORROPIPE, COLOR BLACK, SEE SECTION 09900	SHOP	ENTIRE SURFACE
SHEET PILE SPLICE PLATES	NONE	N/A	N/A
GRANITE SUPPORT ANGLE	NONE	N/A	N/A

NHDOT ITEM No. 304.2 (GRAVEL)		NHDOT ITEM No. 304.3 (CRUSHED GRAVEL)	
SIEVE SIZE	% PASSING	SIEVE SIZE	% PASSING
6"	100	3"	100
#4	25-70	2"	95-100
#200	0-12	1"	55-85
		#4	27-52
		#200	0-12

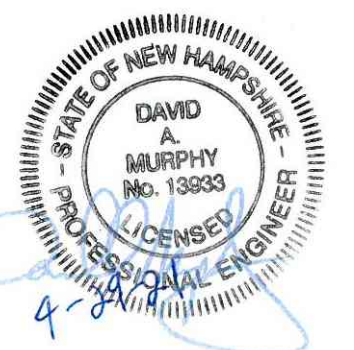
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SEAWALL DETAILS - 2

SCALE: AS SHOWN

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95 Mechanic Street Seawall & Wharf Replacement

City of Portsmouth



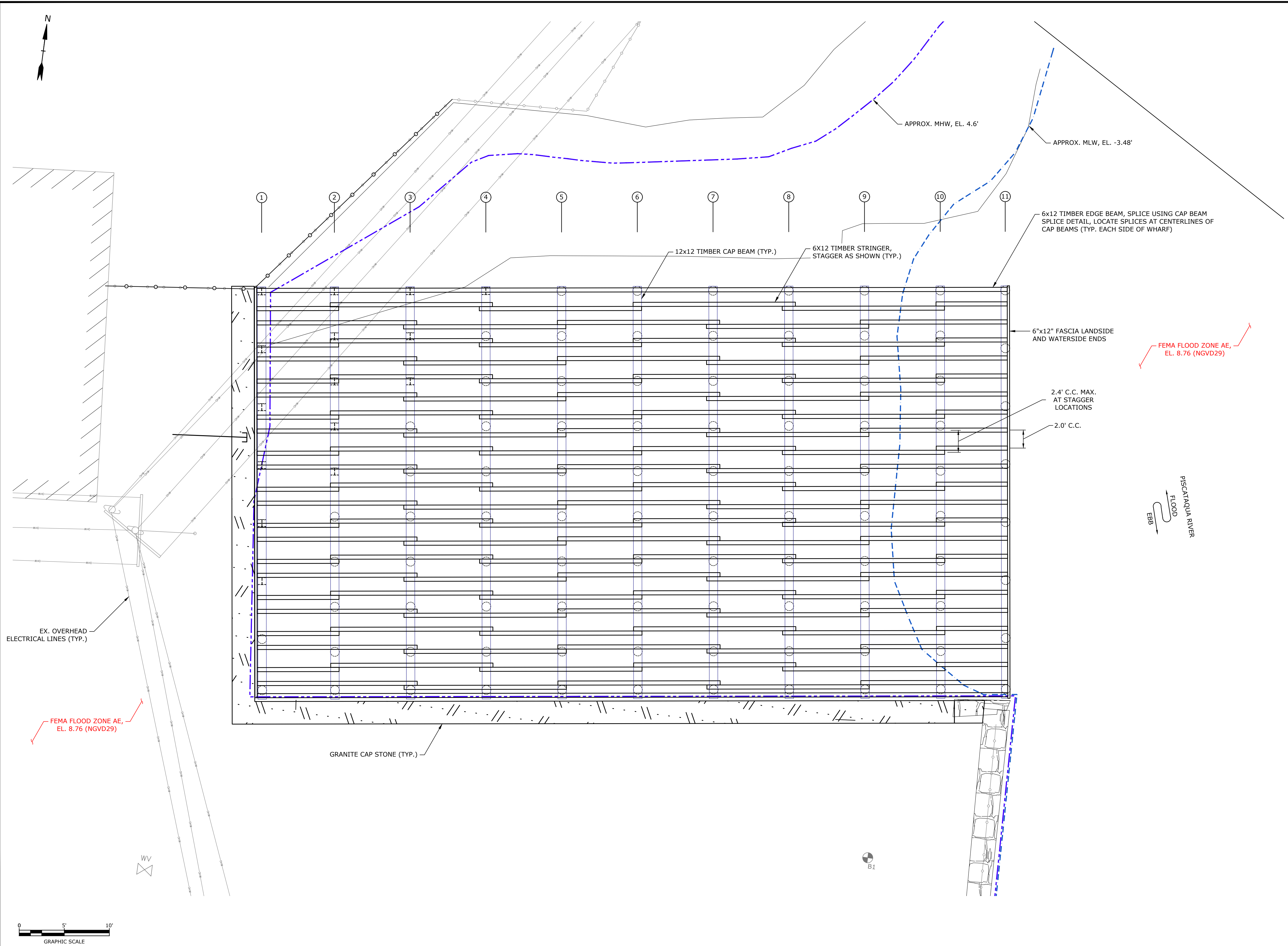
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DATE:	MARCH 24, 2021	
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WHARF FRAMING PLAN
(ADD ALTERNATE)

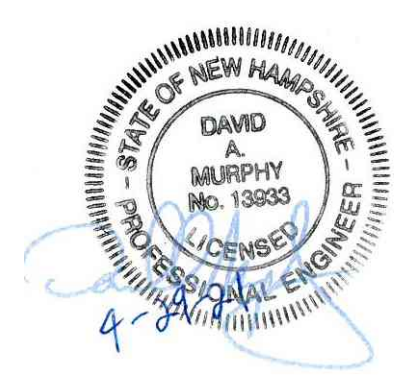
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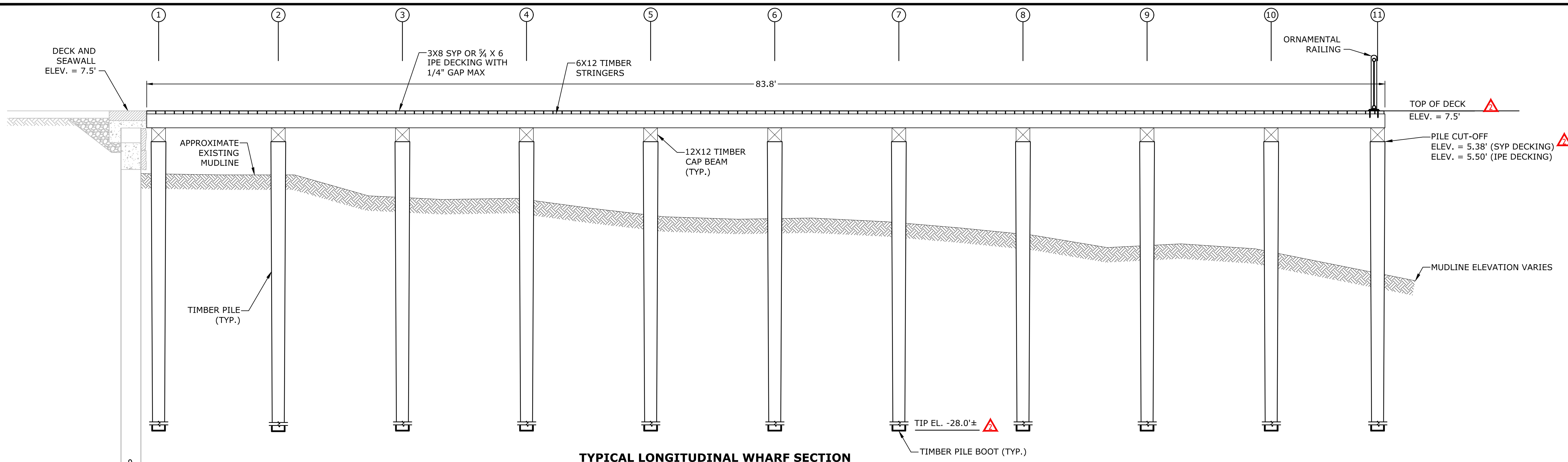


95 Mechanic Street Seawall & Wharf Replacement

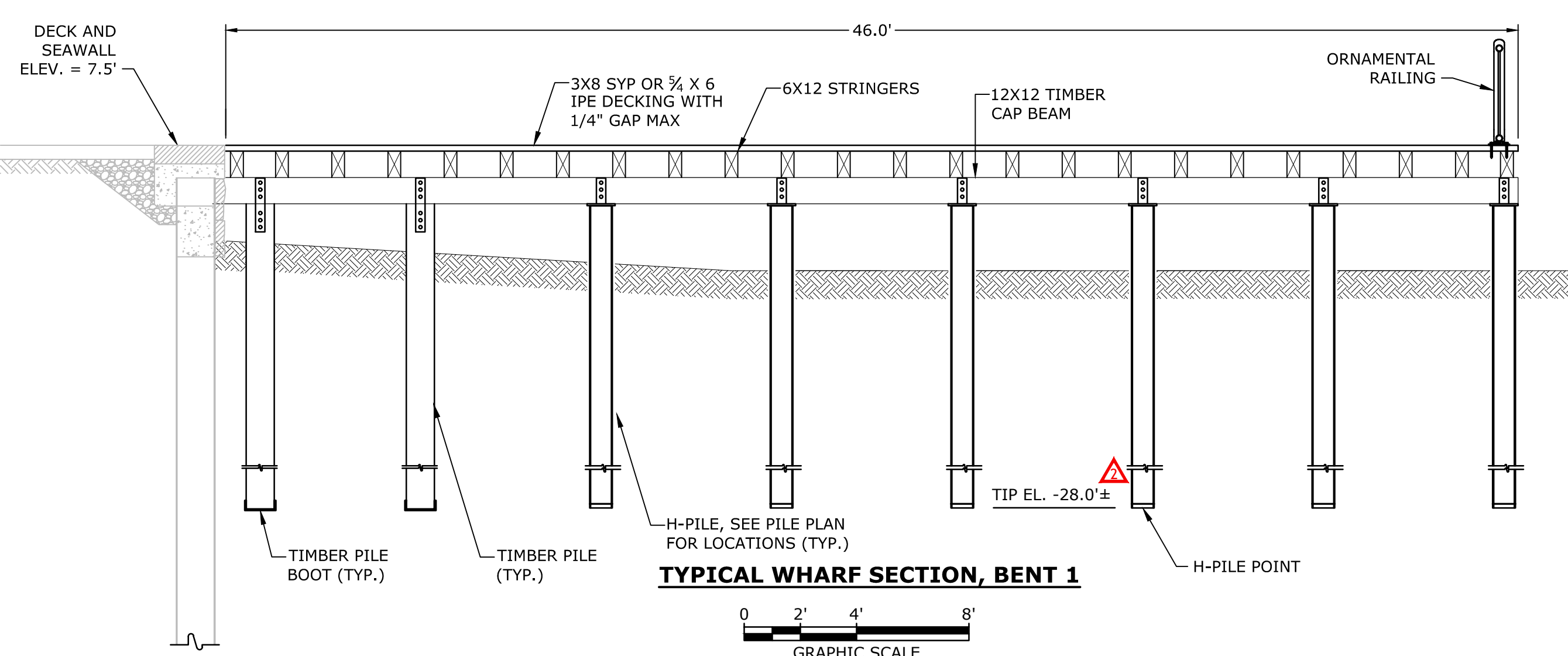
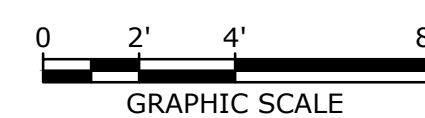
City of Portsmouth



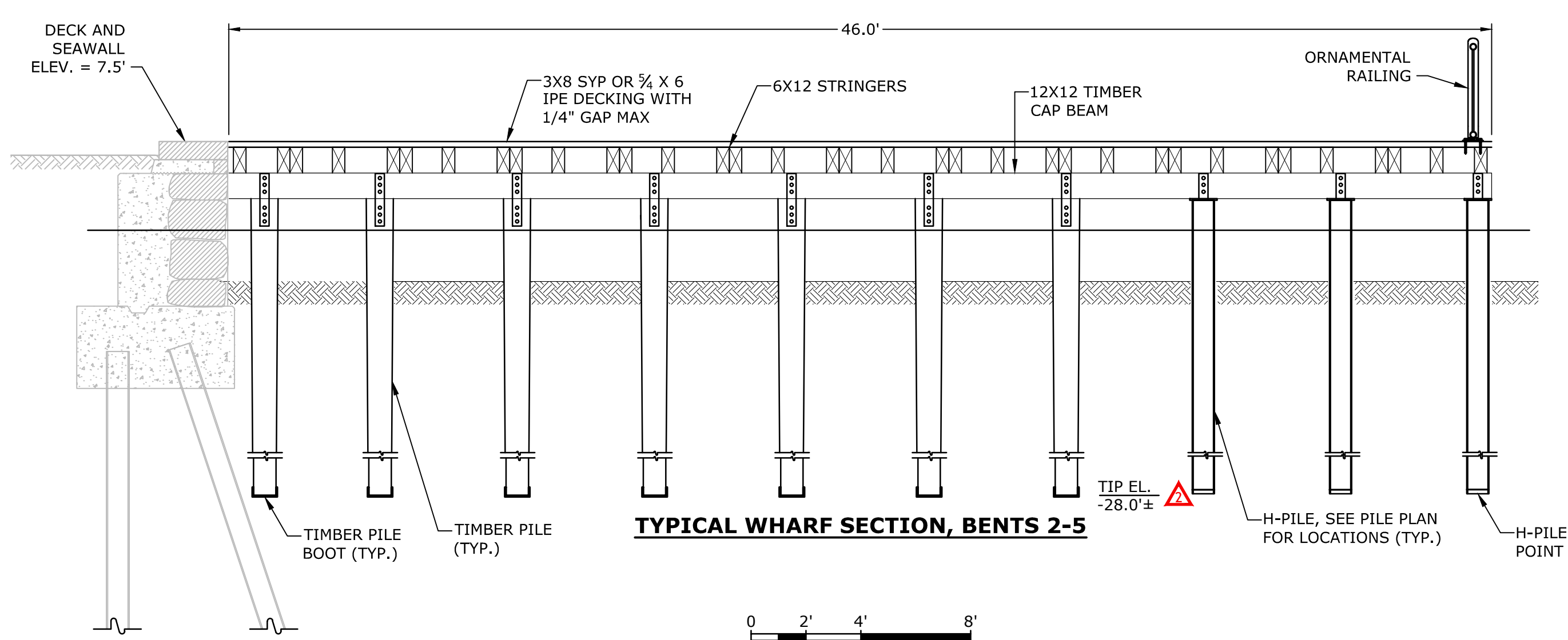
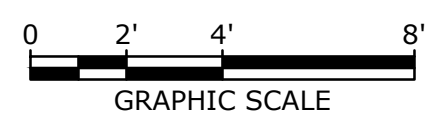
Portsmouth, New Hampshire



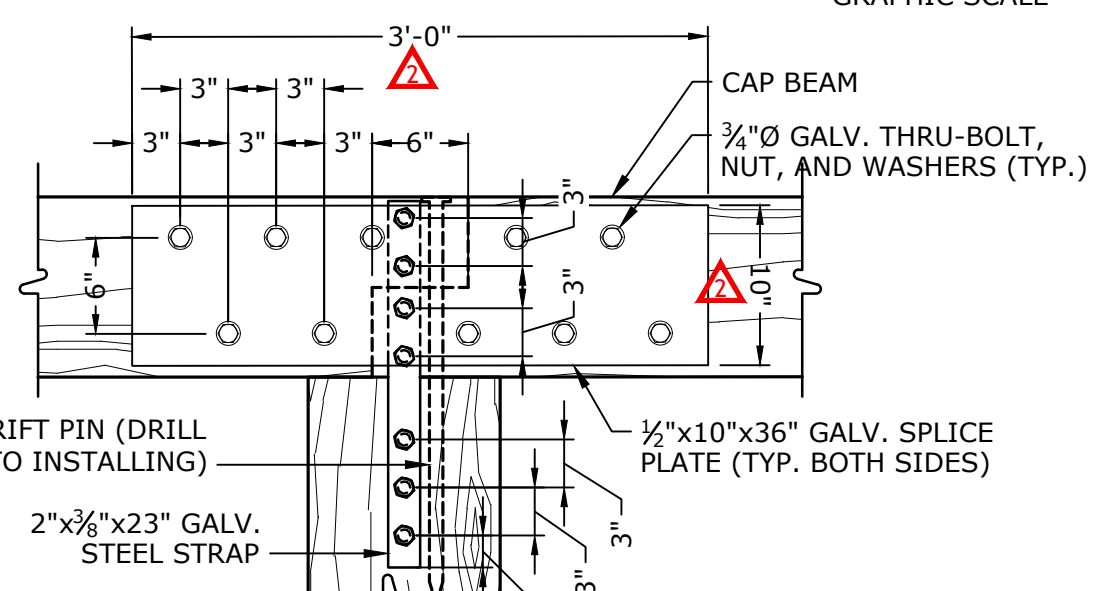
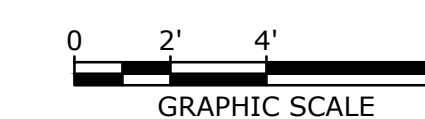
TYPICAL LONGITUDINAL WHARF SECTION



TYPICAL WHARF SECTION, BENT 1



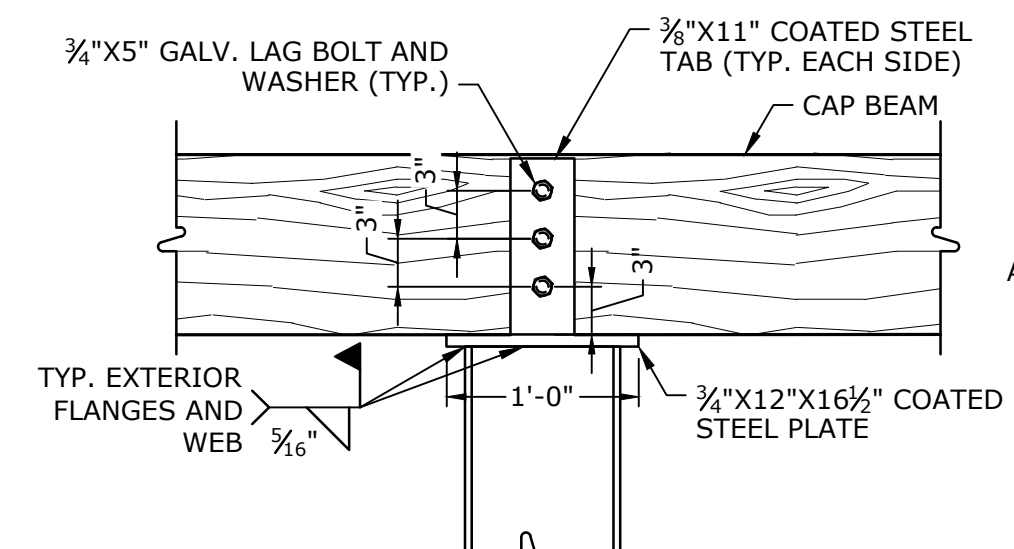
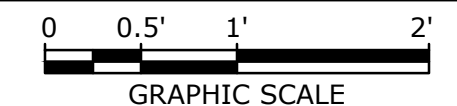
TYPICAL WHARF SECTION, BENTS 2-5



NOTES:

- CAP BEAM SPLICES SHALL BE LOCATED AT THE WHARF SUPPORT PILES AT 15'-0" OC ALONG THE AXIS OF THE CAP BEAM. SPLICES SHALL BE STAGGERED BETWEEN BENTS.
- THE GALV. STEEL STRAP, BOLT HEAD, AND WASHER SHALL BE RECESSING INTO THE PILE AND CAP BEAM IN ORDER TO CLEAR THE BACKSIDE OF THE SPLICE PLATE.

TIMBER CAP BEAM SPLICE DETAIL

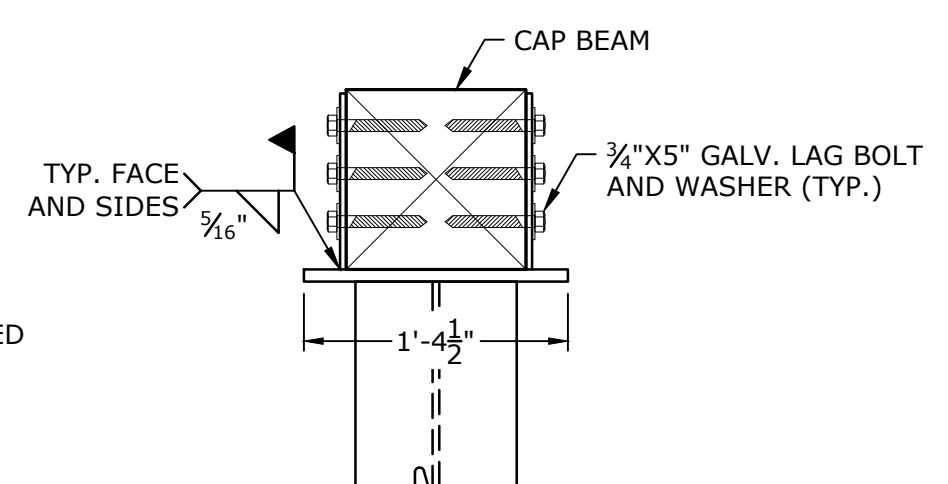
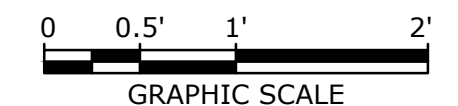


ELEVATION

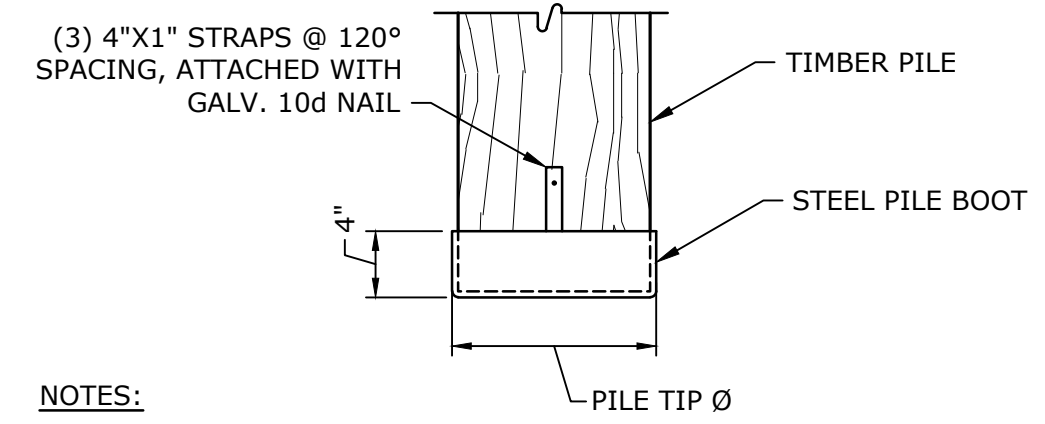
NOTES:

- PROVIDE AN EXTRA SET OF TABS AT CAP BEAM SPLICE LOCATIONS, SPACE 1" FROM THE EDGE OF THE H-PILE CAP PLATE ALONG THE AXIS OF THE CAP BEAM. OMIT STEEL SPLICE PLATE AT THESE LOCATIONS ONLY.

H-PILE TO TIMBER PILE CAP CONNECTION DETAIL



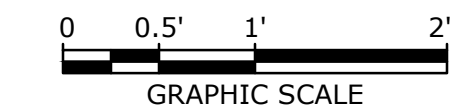
SECTION



NOTES:

- PILE BOOTS SHALL BE MANUFACTURED BY ASSOCIATED PILE AND FITTING INC. OR APPROVED EQUAL, AND SIZED TO FIT THE TIMBER PILE TIP DIAMETER.
- TIMBER PILE BOOTS SHALL HAVE A WALL THICKNESS OF 3/4 inch.

TIMBER PILE BOOT DETAIL



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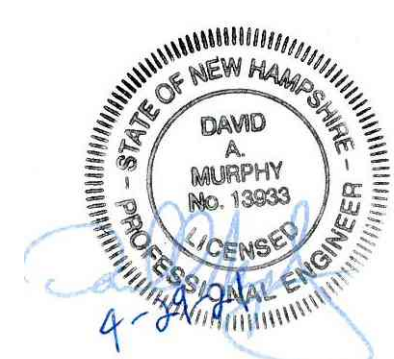
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DRAWN BY:	JAK	
CHECKED:	GC	
APPROVED:	DAM	

WHARF SECTIONS AND DETAILS - 1 (ADD ALTERNATE)

SCALE: AS SHOWN

C-403

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95 Mechanic Street Seawall & Wharf Replacement

City of Portsmouth



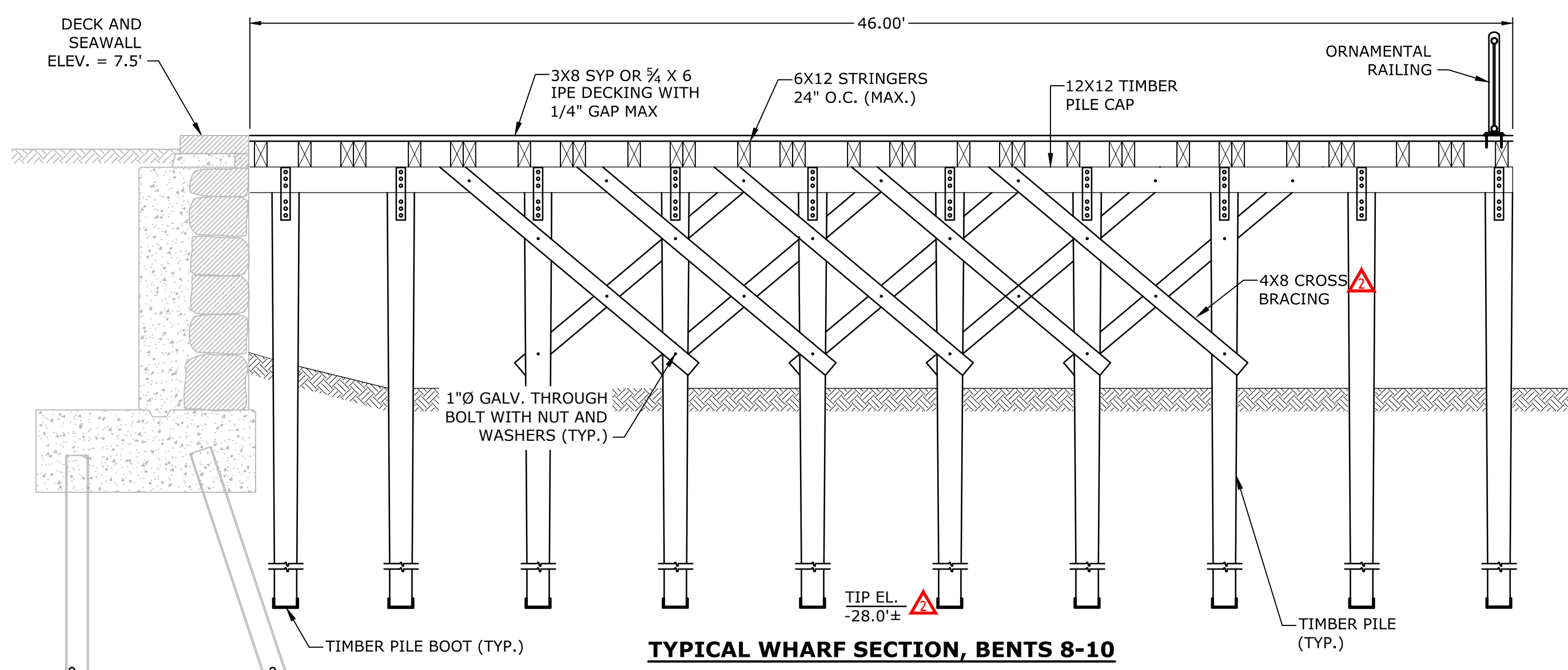
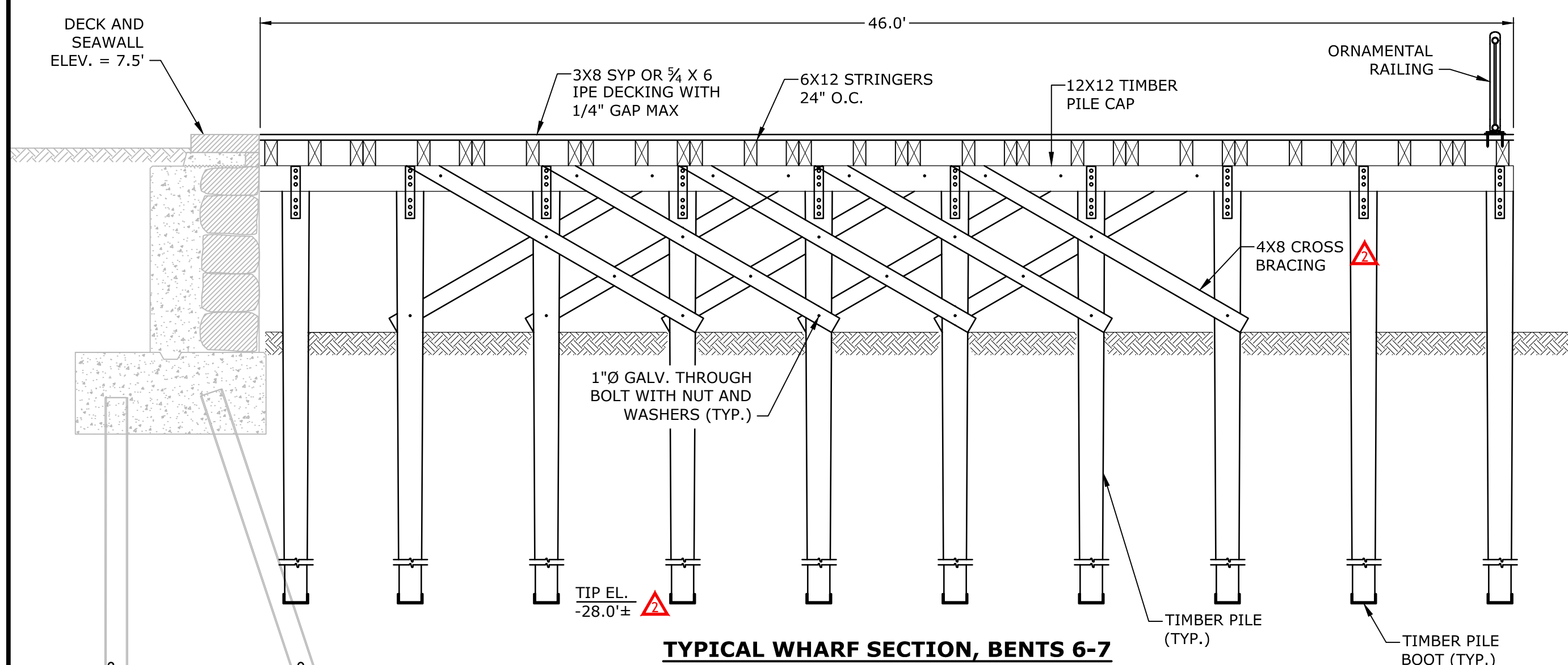
Portsmouth, New Hampshire

MARK	DATE	DESCRIPTION
▲	4/29/2021	ADDENDUM 2
PROJECT NO:	P-0714-003	
DATE:	MARCH 24, 2021	
FILE:	P0714-003-C401-C404.dwg	
DRAWN BY:	JAK	
CHECKED:	GC	
APPROVED:	DAM	

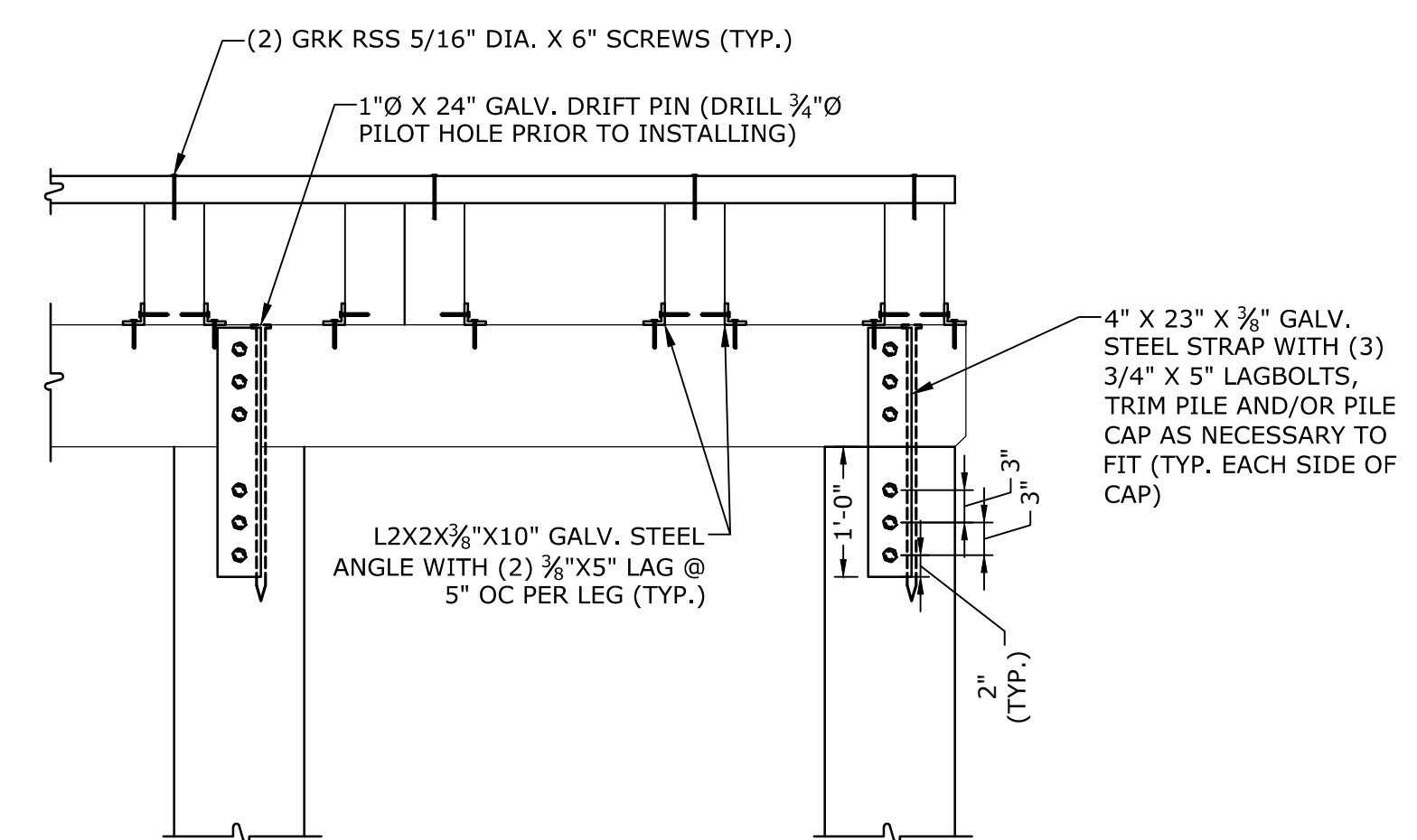
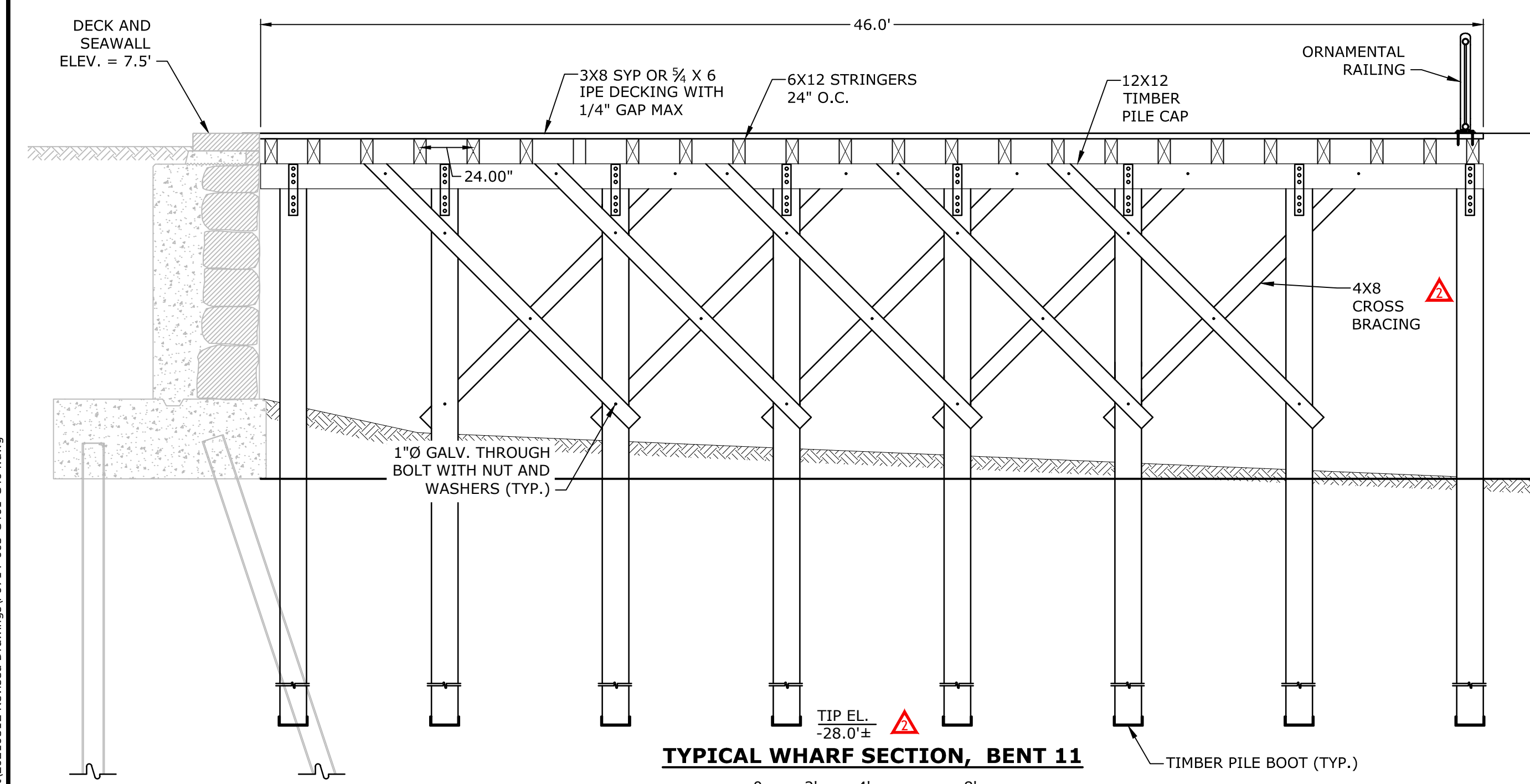
WHARF SECTIONS AND DETAILS - 2

SCALE: AS SHOWN

C-404

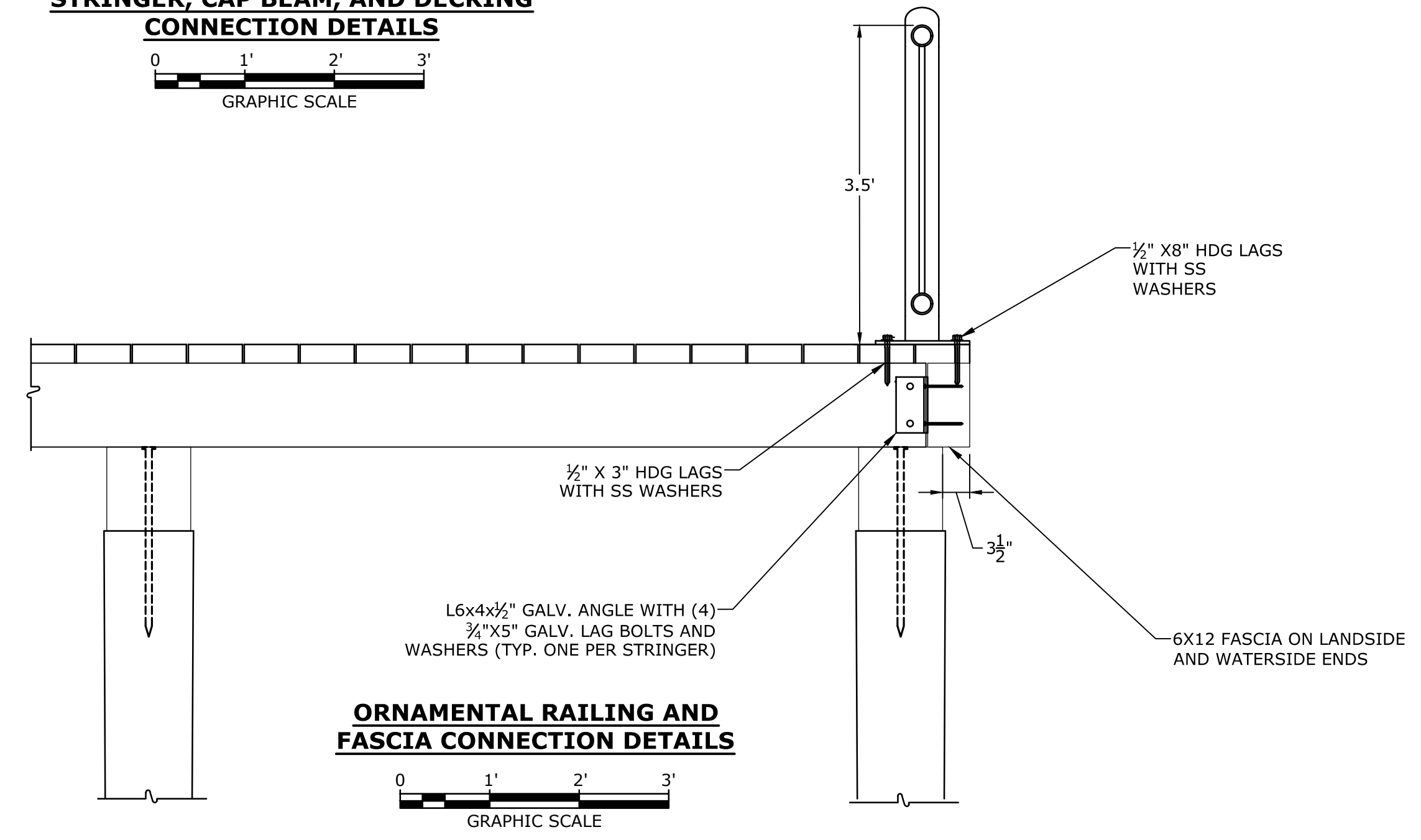


NOTE:
1. FINAL ELEVATION OF WHARF PILES WILL BE DICTATED BY DECKING MATERIAL SELECTION.



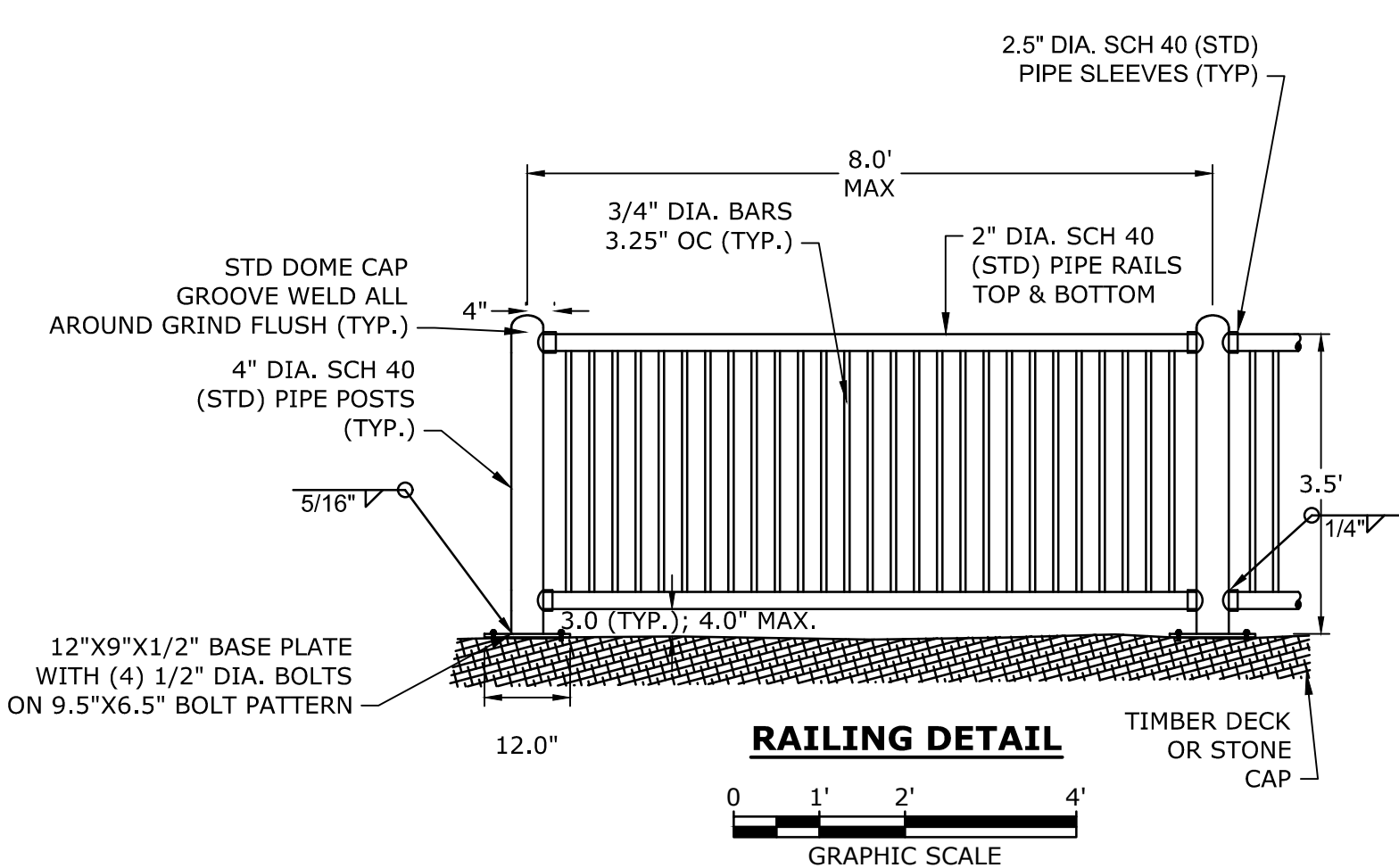
STRINGER, CAP BEAM, AND DECKING CONNECTION DETAILS

GRAPHIC SCALE



ORNAMENTAL RAILING AND FASCIA CONNECTION DETAILS

GRAPHIC SCALE

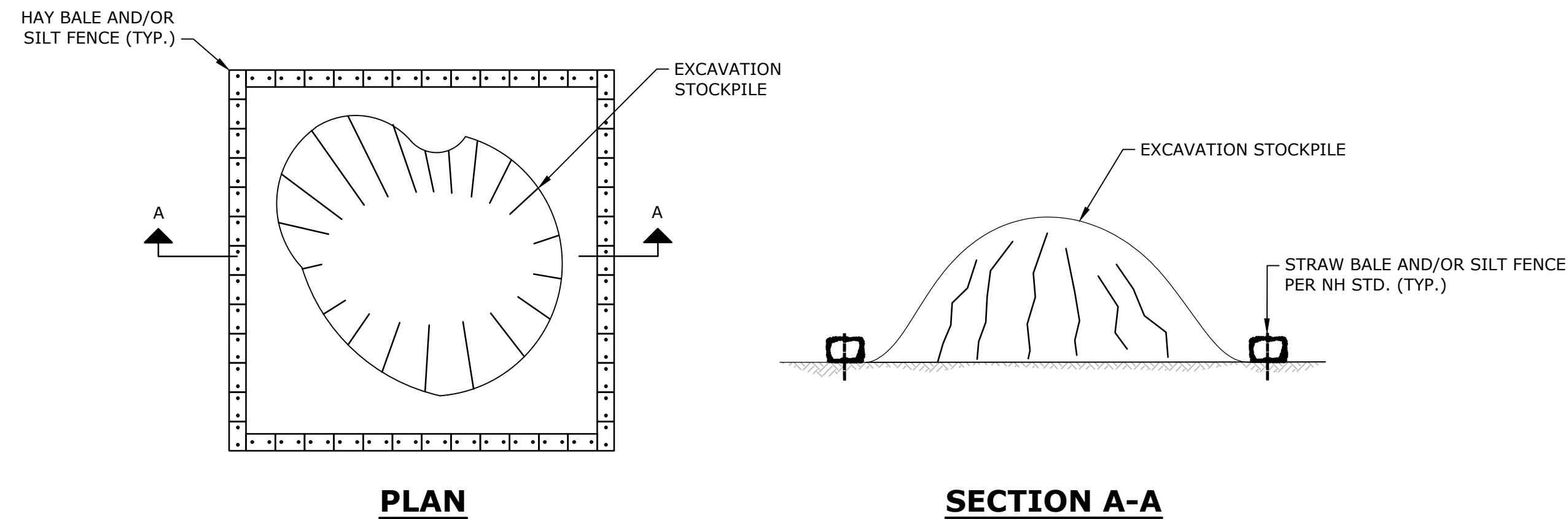


RAILING DETAIL

GRAPHIC SCALE

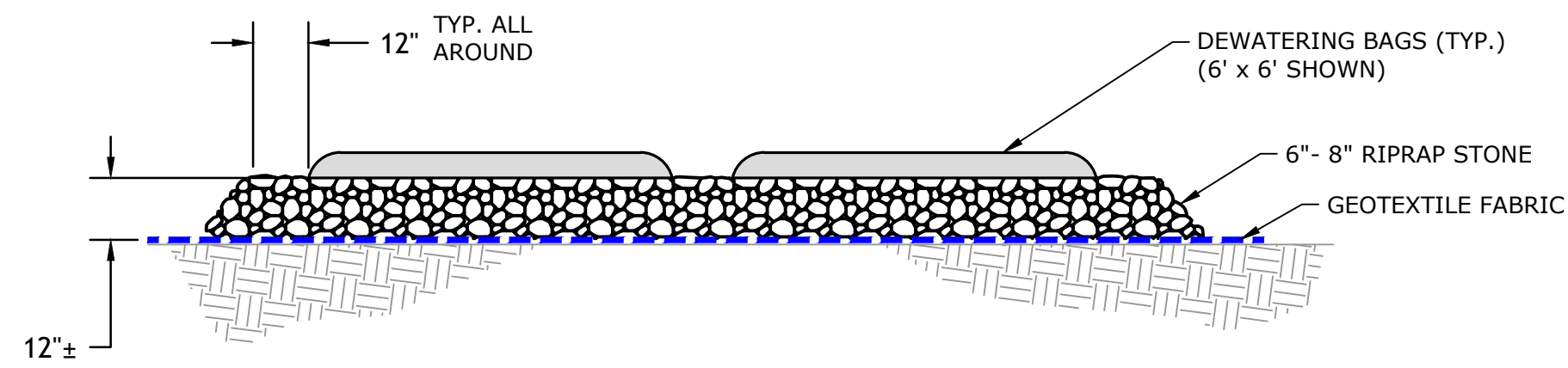
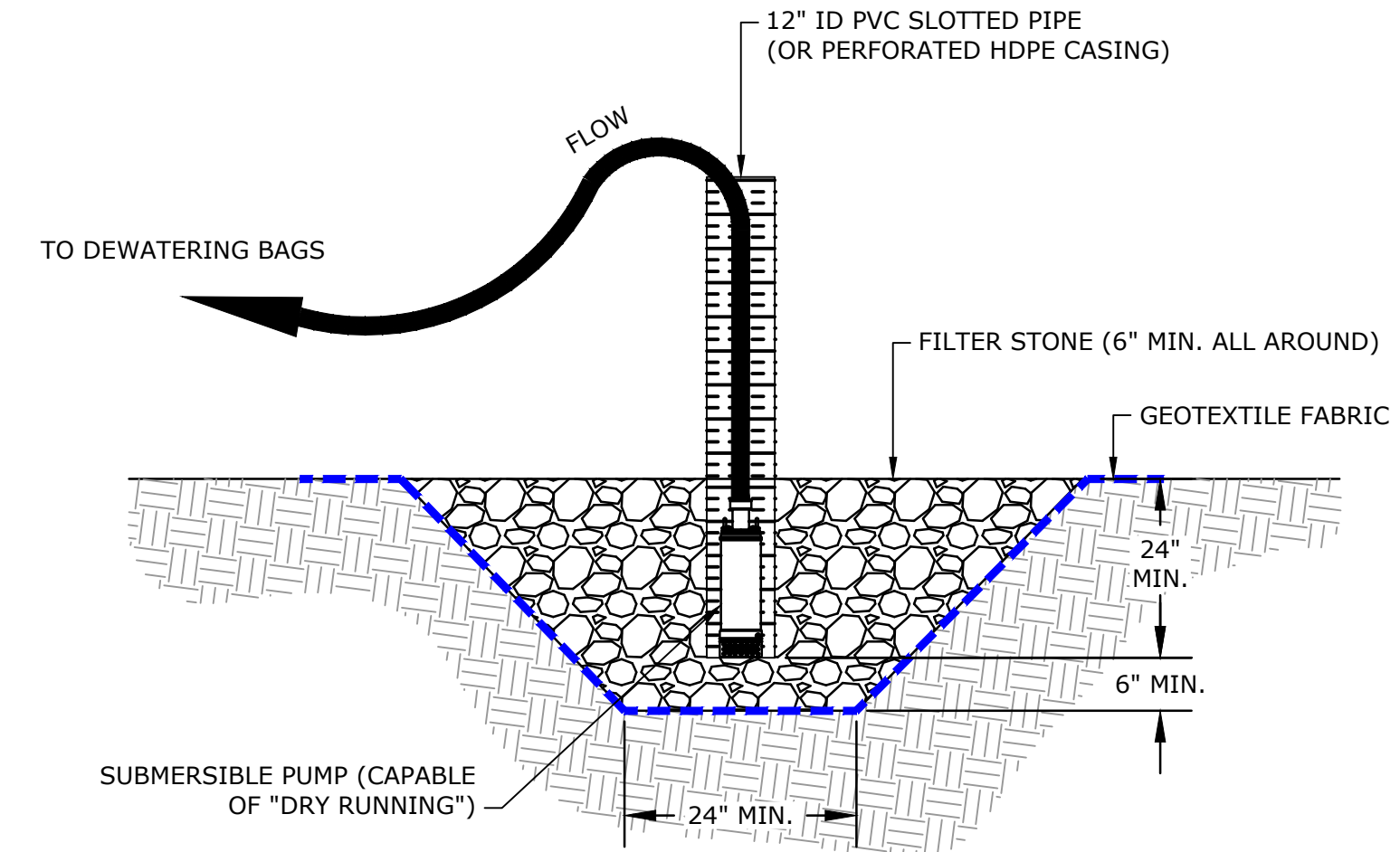
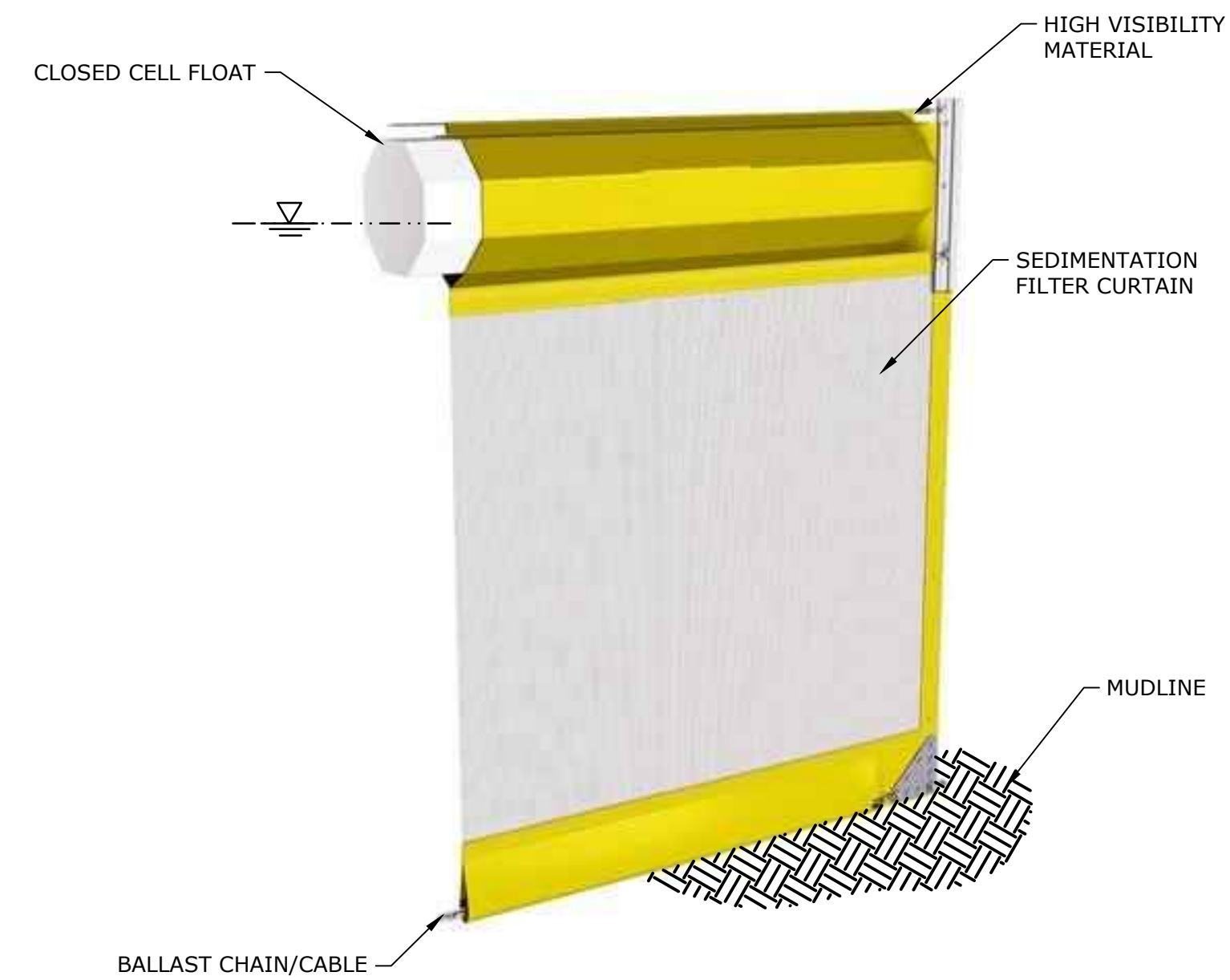
- RAILING NOTES:**
- FABRICATE THE RAILINGS AS SHOWN. EASE ALL EXPOSED EDGES AND GRIND SMOOTH WELDS (GRIND FLUSH AT GROOVE WELDS) PRIOR TO COATING. IF 3/4" VERTICAL RODS ARE SET INTO HORIZONTAL RAILS, THEN SEAL WELD ALL AROUND. IF 3/4" VERTICAL RODS ARE BUTTED UP TO HORIZONTAL RAILS, THEN 1/4" FILLET WELD ALL AROUND.
 - ON STONE: EPOXY GROUT THE BASED PLATE ANCHORS INTO STONE, PROVIDE 6" EMBEDMENT (TYP.). ON TIMBER, PREDRILL FOR LAG BOLTS.
 - PLUMB POSTS, SET RAIL PANELS AND GROUT UNDER BASE PLATES (TYP.).
 - FOR HOT DIP GALVANIZED COLOR GALV. COATING BASE BID, PROVIDE ADEQUATE VENTING OF PIPES WHERE HIDDEN FROM VIEW AND SO AS NOT TO TRAP WATER.

Last Saved: 4/29/2021 1:17pm By: DGM
Printed On: Apr 29, 2021 1:21:11 PM
Tighe & Bond 211 York St Portsmouth, NH 03801
Figures: AutocAD, Sheets: 003-95-Mechanic Street Drawings, Figures: AutocAD, Sheets: 20210312 Revised Drawings, P0714-003-C401-C404.dwg



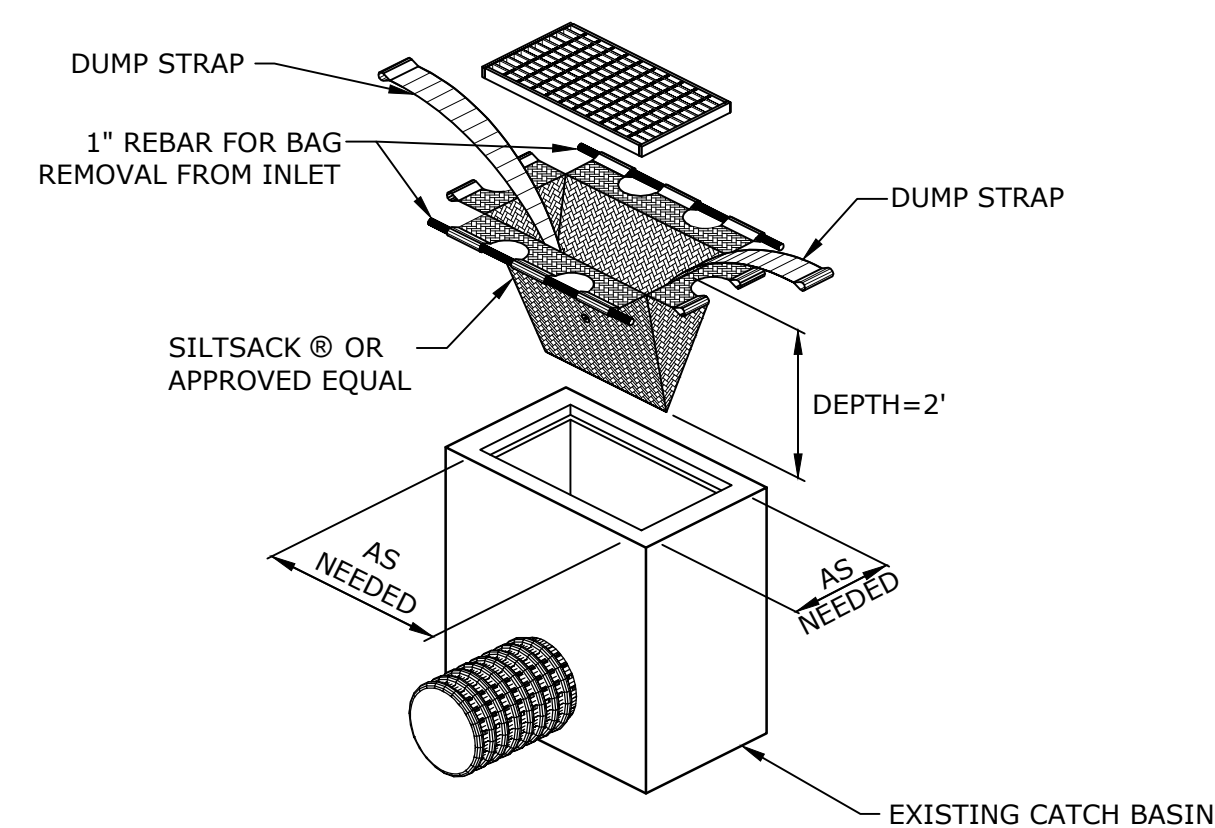
- NOTES:**
1. THE STOCKPILE DETAIL SHOWN IS CONSIDERED TYPICAL AND MAY VARY.
 2. SILT SOCKS MAY BE USED IN LIEU OF HAY BALES AND/OR SILT FENCES AT THE CONTRACTOR'S DISCRETION.

STOCKPILE DETAIL
SCALE: NONE



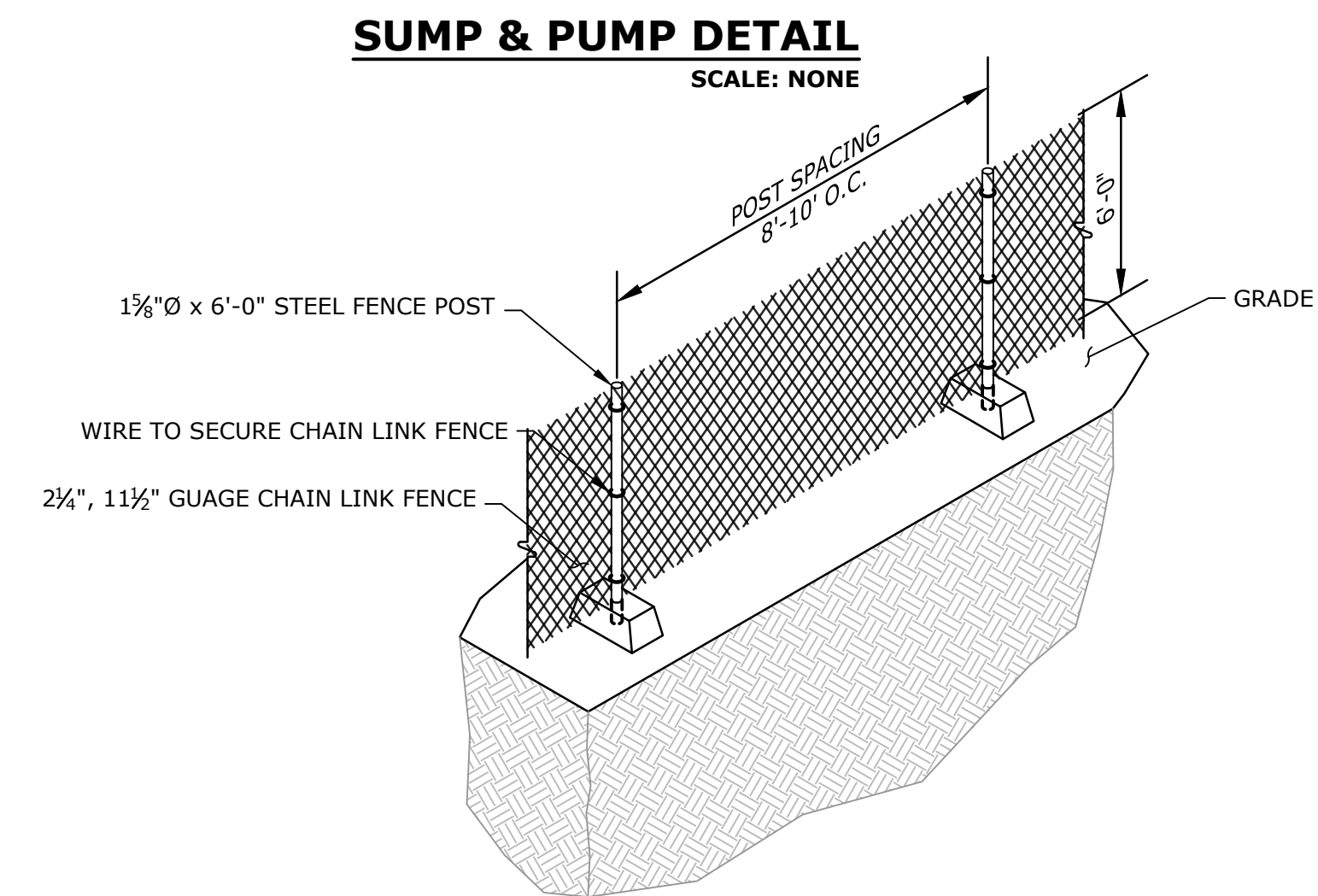
- NOTES:**
1. SIZE AND QUANTITY OF DEWATERING BAGS TO BE DETERMINED THE IN FIELD.
 2. REMOVE DEWATERING BAGS, RIPRAP, AND GEOTEXTILE FABRIC IN THEIR ENTIRETY AT COMPLETION.

DEWATERING BAG DETAIL
SCALE: NONE



- NOTE:**
1. SILTSACK MANUFACTURED BY: ACF ENVIRONMENTAL 2831 CARDWELL ROAD RICHMOND, VIRGINIA 23237

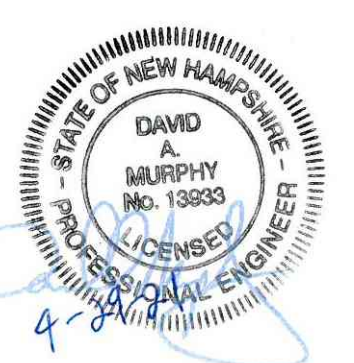
SILTSACK DETAIL
SCALE: NONE



- NOTES:**
1. SUPPORT THE FENCE POSTS UTILIZING FENCE POST BASES AS REQUIRED.
 2. DOUBLE GATES SHALL BE PROVIDED AS SHOWN ON THE DRAWINGS. PROVIDE FENCE POSTS AS REQUIRED TO SUPPORT THE PROPOSED GATES.

TEMPORARY SECURITY FENCE DETAIL
SCALE: NONE

ISSUED FOR BIDDING



95 Mechanic Street Seawall & Wharf Replacement

City of Portsmouth



Portsmouth, New Hampshire

MARK	DATE	DESCRIPTION

PROJECT NO: P-0714-003
DATE: MARCH 24, 2021
FILE: P0714-008-C-SITE.dwg
DRAWN BY: JAK
CHECKED: GC
APPROVED: DAM

EROSION AND SEDIMENT CONTROL DETAILS

SCALE: AS SHOWN

C-501

