

# MEMORANDUM

**To:** All Bidders

**From:** Peter Brennan, PE

**Date:** September 17, 2021

**Project:** SRDC Fishing Dock Rehabilitation

**Subject:** Addendum 2 Memo

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This bid addendum includes: Revision A to DWGs GN-02 and CV-01. These drawings have been revised to correct typos and to include the details for the turbidity curtain. In general, revisions are clouded, or bolded and italicized.

DESIGN VESSELS

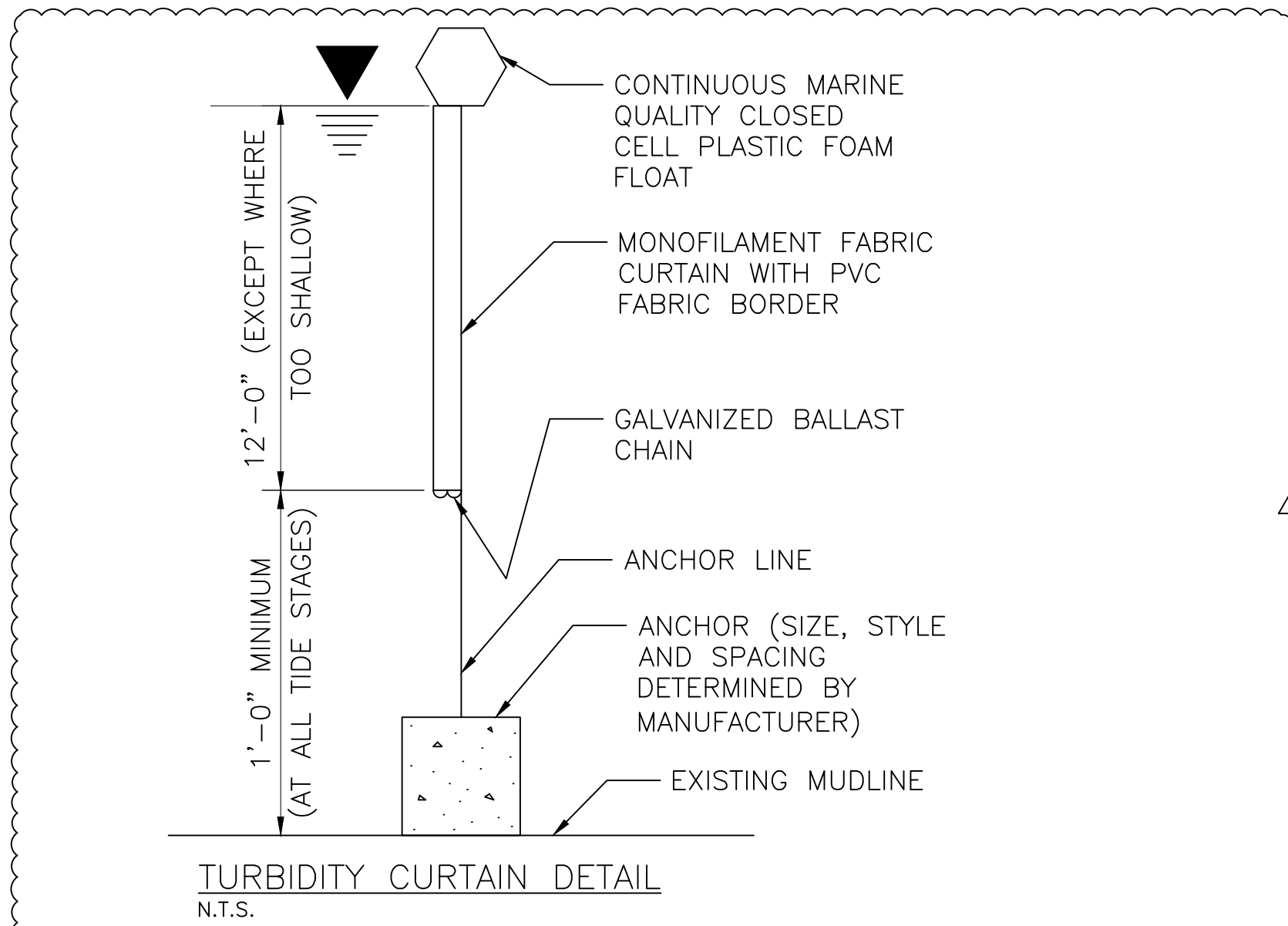
- LARGEST DESIGN VESSEL CHARACTERISTIC:  
 SMALL DAY-CRAFT  
 LOA = 25 FT  
 BEAM = 8 FT

DESIGN LOADS

- LIVE LOADS:  
 GENERAL LIVE LOAD = 100 PSF
- WIND:  
 STORM WIND VELOCITY (PERMANENT STRUCTURE ONLY) = 115 MPH
- CURRENT:  
 TYPICAL CURRENT VELOCITY = 3.0 FPS  
 100 YEAR FLOOD VELOCITY = 9.0 FPS
- SEISMIC  
 SITE CLASS: E  
 IMPORTANCE FACTOR: II = 1.00  
 SEISMIC DESIGN CATEGORY: C  
 SPECTRAL RESPONSE ACCELERATIONS:  
     S<sub>s</sub> = 0.202  
     S<sub>1</sub> = 0.06  
     SDS = 0.336  
     SD1 = 0.141  
 SPECTRAL RESPONSE COEF:

FOUNDATION

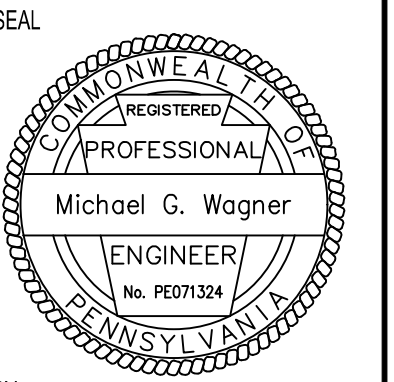
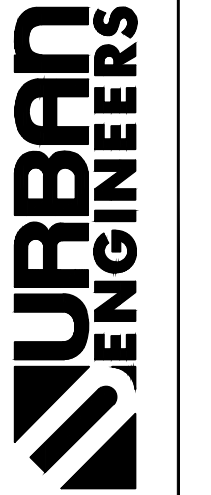
- THE CONTRACTOR SHALL BECOME FAMILIAR WITH THE AVAILABLE SOIL BORING INFORMATION. IF AVAILABLE, THE GEOTECHNICAL INVESTIGATION REPORT FOR THIS PROJECT CAN BE OBTAINED FROM THE OWNER.
- THE CONTRACTOR SHALL NOTIFY THE ENGINEER OF ANY UNUSUAL SOIL CONDITIONS IMMEDIATELY.
- THE CONTRACTOR SHALL TAKE CARE WHEN USING HEAVY EQUIPMENT IN THE VICINITY OF EXCAVATED SLOPES. NO WORK SHALL BE PERFORMED IN THE VICINITY OF SLOPES THAT ARE SATURATED FROM HEAVY RAINS, OR THROUGH WHICH GROUNDWATER IS ACTIVELY DRAINING.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE DESIGN, INSTALLATION AND FINAL CLEARANCE OF ANY REQUIRED NEEDLING, UNDERPINNING, SHORING, FALSEWORK, FORMWORK, TEMPORARY SUPPORT, AND TEMPORARY BRACING OF EXISTING STRUCTURES.
- SPODDING, PRE-AUGERING, AND/OR JETTING OF PILES IS NOT PERMITTED, U.N.O.
- TIMBER PILES SHALL CONFORM TO ASTM D 25. TIMBER PILES SHALL BE UNTREATED SOUTHERN YELLOW PINE, U.N.O.
- DO NOT DRIVE, VIBRATE, OR EXTRACT PILES WITHIN 50 FT. OF RECENTLY POURED CONCRETE UNTIL THE CONCRETE HAS BEEN PROPERLY CURED FOR A MINIMUM OF 7 DAYS.
- EXISTING AND NEW STRUCTURES SHALL NOT BE USED AS FALSEWORK FOR PILE DRIVING, U.N.O.
- STEEL PIPE PILES SHALL BE WELDABLE IN ACCORDANCE WITH AWS D1.1. SPIRAL WELD PIPE PILES SHALL ONLY BE USED WITH THE WRITTEN APPROVAL OF THE ENGINEER.
- PILES SHALL NOT BE PULLED, JACKED, OR OTHERWISE MANIPULATED INTO POSITION. THE CONTRACTOR SHALL ENSURE THAT ALL PILES ARE INSTALLED IN THE LOCATIONS INDICATED ON THE DRAWINGS. THE CONTRACTOR MUST COORDINATE WITH THE ENGINEER AND ALLOW THE ENGINEER TO MEASURE THE PILE POSITION BEFORE WELDING OR CONNECTING DRIVEN PILES, AT THE ENGINEER'S DISCRETION. THE FINAL HORIZONTAL TOLERANCE ALLOWED AT THE TOPS OF THE PILE IS 1" MAXIMUM. IF A PILE IS OUTSIDE OF THIS TOLERANCE AFTER DRIVING AND FALSEWORK REMOVAL, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ENGINEER AND SUBMIT A MODIFIED CONNECTION DETAIL TO THE ENGINEER FOR APPROVAL.
- PILE DRIVING WILL BE INITIATED WITH A SOFT START TO ALLOW AQUATIC ANIMALS AN OPPORTUNITY TO LEAVE THE AREA.
  - FOR IMPACT DRIVING, FOR IMPACT DRIVING, PILE DIVING WILL COMMENCE WITH AN INITIAL SET OF THREE HAMMER STRIKES AT 40% ENERGY, FOLLOWED BY A ONE MINUTE WAITING PERIOD. THIS SEQUENCE WILL BE REPEATED TWO ADDITIONAL TIMES BEFORE INITIATING CONTINUOUS DRIVING.
  - FOR VIBRATORY DRIVING, PILE VIBRATION WILL BE INITIATED FOR 15 SECONDS AT A REDUCED ENERGY, FOLLOWED BY A ONE MINUTE WAITING PERIOD. THIS SEQUENCE WILL BE REPEATED TWO ADDITIONAL TIMES BEFORE INITIATING CONTINUOUS DRIVING.



EROSION & SEDIMENT CONTROL NOTES:

- A FLOATING TURBIDITY CURTAIN SHALL BE PLACED TO ENCOMPASS AREAS WHERE SEDIMENT MAY BE GENERATED AS A RESULT OF PROJECT WORK. A TURBIDITY CURTAIN MUST BE IN PLACE FOR ACTIVITIES THAT MAY GENERATE TURBIDITY, INCLUDING: PILE INSTALLATION OR EXTRACTION, PLACING CONCRETE UNDERWATER, DREDGING OR UNDERWATER DEBRIS REMOVAL, AND DEMOLITION.
- THE CURTAIN HEIGHT SHALL NOT EXCEED 12 FT, AND SHALL BE SHORT ENOUGH TO MAINTAIN A 1 FT GAP BETWEEN ITS BOTTOM AND THE MUDLINE AT MEAN LOW WATER.
- UNLESS NOTED OTHERWISE, THE TURBIDITY CURTAIN SHALL BE A TRITON TYPE III PERMEABLE SILT AND TURBIDITY BARRIER, OR APPROVED EQUIVALENT. WHERE NO TIDAL FLUCTUATION OR CURRENT EXISTS, A TYPE II BARRIER MAY BE USED. SUBMIT PROPOSED BARRIER SPECIFICATIONS, ALONG WITH THE MANUFACTURER'S RECOMMENDED CONDITIONS FOR USE.
- 8"Ø EROSION CONTROL SEDIMENT LOGS SHALL BE PLACED ALONG THE WATER'S EDGE IN ALL AREAS WHERE SEDIMENT OR RUNOFF MAY ENTER THE WATER, THROUGHOUT THE DURATION OF THE PROJECT, TO PREVENT THE DISCHARGE OF SEDIMENTS INTO THE WATER.
- ATTACH BUOYS WITH NAVIGATION LIGHTS WHERE REQUIRED BY THE COAST GUARD.

530 Walnut Street  
 Philadelphia, PA  
 19106-3688  
 P: 215-572-6060  
 F: 215-572-6060



BY: \_\_\_\_\_  
 DATE: \_\_\_\_\_

REV	DATE	DESCRIPTION
0	09/31/21	ISSUED FOR BID
A	09/08/21	ADDENDUM A
		BY: CKD / APD
		BY: SWM / MGW
		BY: SWM / MGW

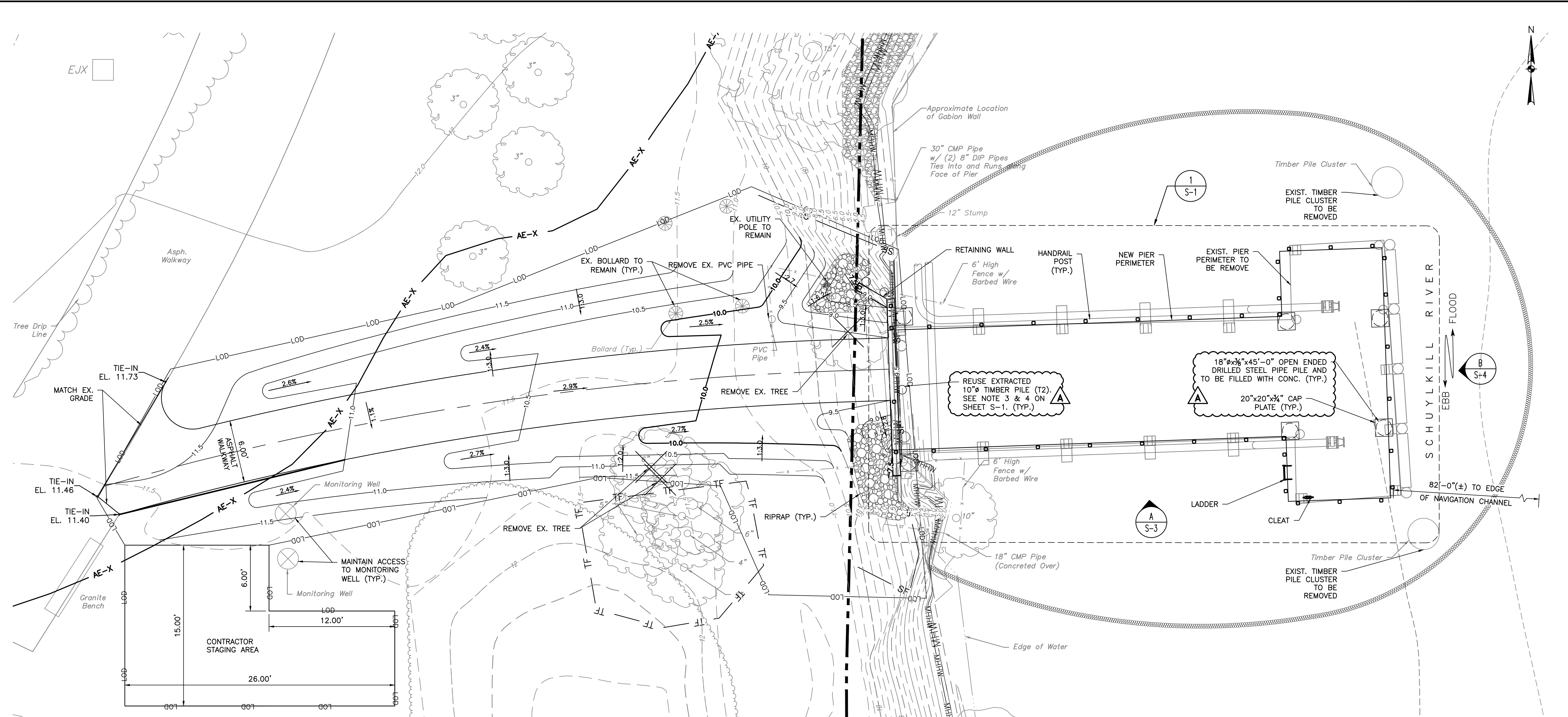
PHILADELPHIA, PA

SCHUYLKILL RIVER DEVELOPMENT CORPORATION

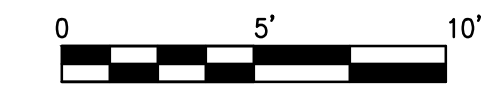
**SRDC FISHING DOCK REHABILITATION**

**GENERAL STRUCTURAL NOTES 1**

SCALE: AS NOTED      DESIGN BY: MP  
 DATE: 09/08/21      APPROVED BY: MGW  
 PROJECT NO: 2019610049.000  
 SHEET NUMBER: **GN-02**  
 SHT. NO.: 3 OF 18  
 DRAWING FILE NO.: GN-0...DWG      REV. NO.: A



PROPOSED SITE PLAN



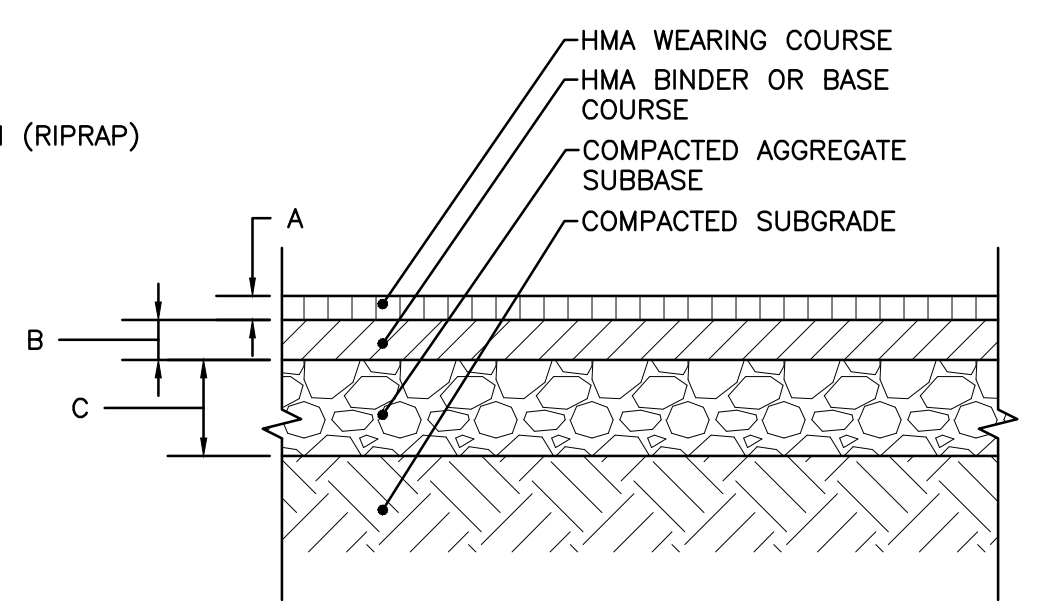
**ELEVATIONS:**

+12.38'	DESIGN FLOOD ELEVATION (DFE)
+10.88'	FEMA 100 YR. FLOOD ELEVATION (BFE)
+4.90'	CITY DATUM
+3.31'	MEAN HIGH HIGH WATER (MHHW)
+2.81'	MEAN HIGH WATER (MHW)
+0.00'	NAVD-88
-1.12'	NGVD-29
-3.29'	MEAN LOW WATER (MLW)

(NOT TO SCALE)

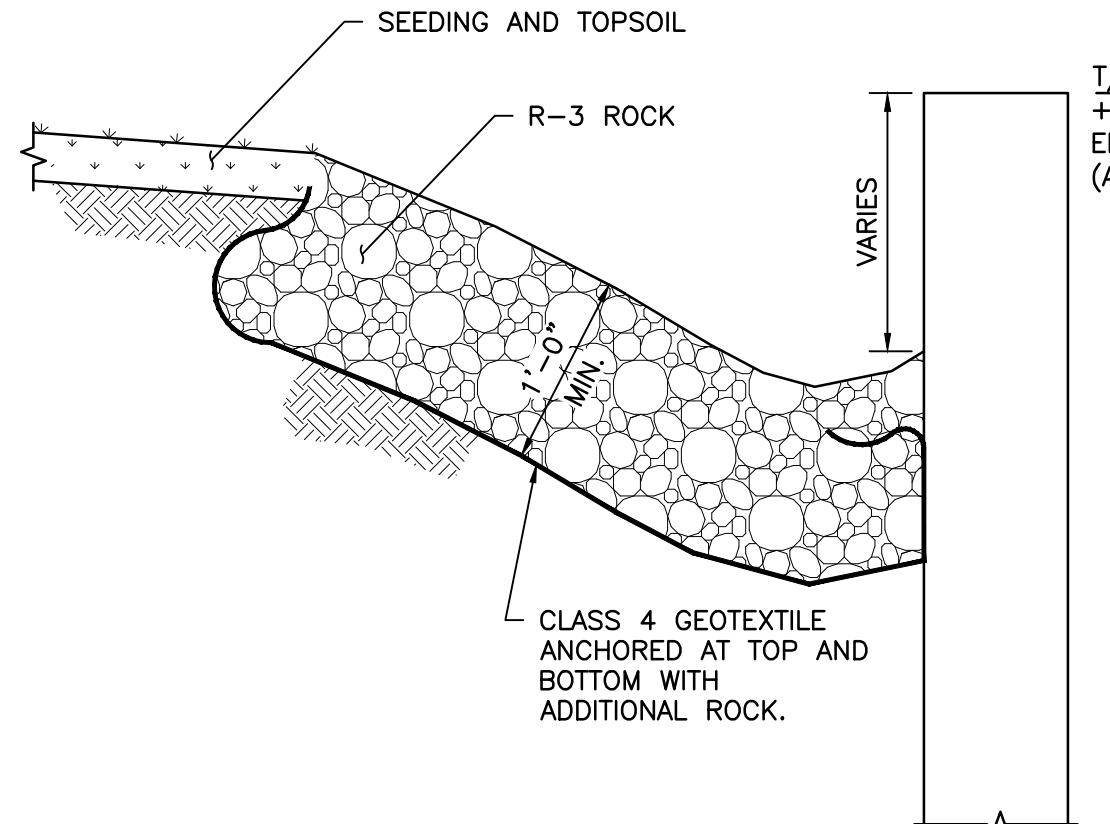
**LEGEND:**

— AE-X —	SPECIAL FLOOD HAZARD ZONE AE/X BOUNDARY FROM FEMA FIRM #4207570179G	— LOD —	LIMIT OF LAND DISTURBANCE
— MHW —	MEAN HIGH WATER	— SF —	SILT FENCE
— MHHW —	MEAN HIGH HIGH WATER	— TF —	TREE PROTECTION FENCE
— FLOOD WAY BOUNDARY FROM FEMA FIRM #4207570179G		[RIPRAP SYMBOL]	ROCK SLOPE STABILIZATION (RIPRAP)
— 25 —	EXISTING CONTOUR		
— 11.5 —	PROPOSED GRADE		
[TURBIDITY CURTAIN SYMBOL]	TURBIDITY CURTAIN		



PATHWAY	THICKNESS
A-WEARING COURSE	1.5"
B-BINDER COURSE	3"
C-SUBBASE	6"

TYPICAL ASPHALT PAVEMENT NOT TO SCALE

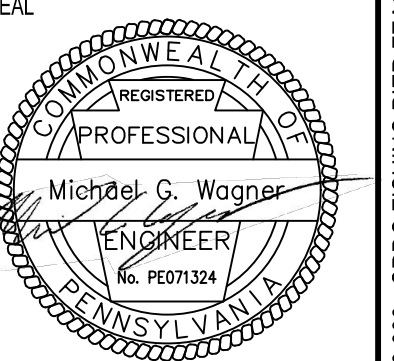


TYPICAL ROCK SLOPE STABILIZATION (RIPRAP) DETAIL NOT TO SCALE

**NOTES:**

1. THE CONTRACTOR SHALL NOT BE ALLOWED TO BLOCK OR DISRUPT TRAIL ACTIVITIES DURING CONSTRUCTION. ALL EQUIPMENT AND MATERIALS SHALL ARRIVE AND DEPART BY WATER.
2. FILL SHALL BE PLACED, IN ACCORDANCE WITH ASCE 24, IN 12" LIFTS, COMPACTED TO 95% OF ITS MAXIMUM STANDARD PROCTOR DENSITY.
3. ALL DISTURBED AREAS SHALL BE SEEDDED AT THE COMPLETION OF CONSTRUCTION WORK.

**ADDENDUM A**  
DATE: 09/08/21



BY: \_\_\_\_\_  
DATE: \_\_\_\_\_

REV	DATE	DESCRIPTION	BY	CHK	APD
0	08/31/21	ISSUED FOR BID	PB	SMM	MGW
A	09/08/21	ADDENDUM A	PB	SMM	MGW

PHILADELPHIA, PA  
SCHUYLKILL RIVER DEVELOPMENT CORPORATION  
**SRDC FISHING DOCK REHABILITATION**  
PROPOSED SITE PLAN

SCALE: AS NOTED  
DATE: 09/08/21  
PROJECT NO: 2019610049.000  
SHEET NUMBER: **CV-1**  
SHEET NO: 7 OF 18  
DRAWING FILE NO: CV-1... DWG  
REV. NO: A