Public Notice

US Army Corps of Engineers
Philadelphia District
Wanamaker Building
100 Penn Square East
Philadelphia, PA 19107-3390
ATTN: CENAP-OP-R

Public Notice No. **CENAP-OP-R-2016-00069-46**
Date **08 August 2020**
Application No.
File No.
In Reply Refer to: **REGULATORY BRANCH**

This District has received an application for a Department of the Army permit pursuant to Section 10 of the Rivers and Harbors Act of 1899 (33 U.S.C. 403) and Section 404 of the Clean Water Act (33 U.S.C. 1344).

The purpose of this notice is to solicit comments and recommendations from the public concerning issuance of a Department of the Army permit for the work described below.

APPLICANT: Schuylkill River Development Corporation

CONTACT: Mr. Joseph Syrnick
Schuylkill River Development Corporation
2401 Walnut Street, Suite 603
Philadelphia, Pennsylvania 19103

WATERWAY: Schuylkill River

LOCATION: Between the waterward terminus of 56th Street and 61st Street, City of Philadelphia, Philadelphia County, Pennsylvania.

ACTIVITY: To construct a 1,850 linear foot (12' wide) pedestrian trail from 56th Street to 61st Street totally on uplands. The project would include the construction of a fishing platform on top of an existing seawall structure at the edge of the Schuylkill River just downstream of 56th Street and an overlook pier approximately 1,325 feet further downstream.

The fishing platform would be constructed of a metal grate over an existing seawall, would involve the placement of five 16" outside diameter steel pipe piles for support, and would extend 3' waterward of the mean high water line.

The overlook pier would require a total of 1,264 cubic feet of fill to be discharged within 128 square feet of waterway below the high tide line for placement of 8 concrete-filled piles and 2 pile caps (i.e. 4 piles per cap). Additionally, the pile caps would require regrading of the adjacent waterway to affect proper drainage and would involve the excavation of 320 cubic feet of waterway below the high tide line (102 cubic feet below mean high water) within an area of 128 square feet below high tide (40.8 square feet below mean high water). The excavation would require placement of a temporary sandbag or stacked concrete block cofferdam below the high tide line. All excavated materials would be redistributed on site for regrading purposes. The entire overlook would extend 7' waterward of the mean high water line.

The applicant has stated that all piles would be impact hammered.

PURPOSE: The applicant's stated purpose for the structures is to allow for safe public access to the river and to provide views closer to the river.

A preliminary review of this application indicates that species listed under the Endangered Species Act or their critical habitat pursuant to Section 7 of the ESA as amended, may be present in the action area. This office will forward this Public Notice to the US Fish and Wildlife Service and National Marine Fisheries Service with a request for technical assistance on whether any ESA listed species or their critical habitat may be present in the area which would be affected by the proposed activity. This office will evaluate the potential effects of the proposed actions on ESA listed species or their critical habitat and will consult with the US Fish and Wildlife Service and National Marine Fisheries Service as appropriate. ESA Section 7 consultation will be concluded prior to the final decision on this permit application.

The decision whether to issue a permit will be based on an evaluation of the activity's probable impact including its cumulative impacts on the public interest. The decision will reflect the national concern for both protection and utilization of important resources. The benefits which reasonably may be expected to accrue from the work must be balanced against its reasonably foreseeable detriments. All factors which may be relevant to the work will be considered including the cumulative effects thereof; among those are conservation, economics, aesthetics, general environmental concerns, wetlands, cultural values, fish and wildlife values, flood hazards, flood plain values, land use, navigation, shore erosion and accretion, recreation, water supply and conservation, water quality, energy needs, safety, food and fiber production, mineral needs and welfare of the people. A Department of the Army permit will be granted unless the District Engineer determines that it would be contrary to the public interest.

The Corps of Engineers is soliciting comments from the public; Federal, State, and local agencies and officials; Indian Tribes; and other interested parties in order to consider and evaluate the impacts of this proposed activity. Any comments received will be considered by the Corps of Engineers to determine whether to issue, modify, condition or deny a permit for this proposal. To make this decision, comments are used to assess impacts on endangered species, historic properties, water quality, general environmental effects, and the other public interest factors listed above. Comments are used in the preparation of an Environmental Assessment and/or an Environmental Impact Statement pursuant to the National Environmental Policy Act. Comments are also used to determine the need for a public hearing and to determine the overall public interest of the proposed activity.

Comments on the proposed work should be submitted, in writing, within 30 days to the District Engineer, U.S. Army Corps of Engineers, Philadelphia District, Wanamaker Building, 100 Penn Square East, Philadelphia, Pennsylvania 19107-3390.

With regard to Section 106 of the National Historic Preservation Act, this office has noted that a historic properties investigation has been conducted within the permit area. Historic properties eligible for or listed on the National Register of Historic Places (NRHP) are within the permit area but will not be affected by the proposed action. A determination of "No Effect" will be coordinated with the SHPO.

The Magnuson-Stevens Fishery Conservation and Management Act, as amended by the Sustainable Fisheries Act 1996 (Public Law 104-267), requires all Federal agencies to consult with the National Marine Fisheries Service on all actions, or proposed actions, permitted, funded, or undertaken by the agency that may adversely effect Essential Fish Habitat (EFH). A preliminary review of this application indicates that the project may have an effect on EFH. The Philadelphia District will evaluate the potential effects of the proposed actions on EFH and will consult with the National Marine Fisheries Service as appropriate. Consultation will be concluded prior to the final decision on this permit application.

With regard to compensatory mitigation, given the minor amount of fill below the high tide line for steel pile fill (approx. 128 square feet of aquatic resource loss), no compensatory mitigation is warranted.

In accordance with Section 307(c) of the Coastal Zone Management Act of 1972, applicants for Federal Licenses or Permits to conduct an activity affecting land or water uses in a State's coastal zone must provide certification that the activity complies with the State's Coastal Zone Management Program. The applicant has stated that the proposed activity complies with and will be conducted in a manner that is consistent with the approved State Coastal Zone Management (CZM) Programs of Pennsylvania. No permit will be issued until the State has concurred with the applicant's certification or has waived its right to do so. Comments concerning the impact of the proposed and/or existing activity on the State's coastal zone should be sent to this office, with a copy to the States' Offices of Coastal Zone Management.

In accordance with Section 401 of the Clean Water Act, a Water Quality Certificate (WQC) is necessary from the State government in which the work is located. Any comments concerning the work described above which relate to Water Quality considerations should be sent to this office with a copy to the State.

The evaluation of the impact of the work described above on the public interest will include application of the guidelines promulgated by the Administrator, U.S. Environmental Protection Agency, under authority of Section 404(b) of the Clean Water Act.

Any person may request, in writing, to the District Engineer, within the comment period specified in this notice, that a public hearing be held to consider this application. Requests for a public hearing shall state in writing, with particularity, the reasons for holding a public hearing.

Additional information concerning this permit application may be obtained by calling 215-605-7029 or by e-mailing Mr. David Caplan of my office at David.J.Caplan@usace.army.mil.

SCHAIBLE.TODD.AARON.1385323448 Digitally signed by SCHAIBLE.TODD.AARON.1385323448 Date: 2020.08.06 14:30:46 -04'00'

Todd A. Schaible
Chief, Regulatory Branch

PORTION OF PHILADELPHIA, PA
USGS QUAD MAP

0 1000' 2000'

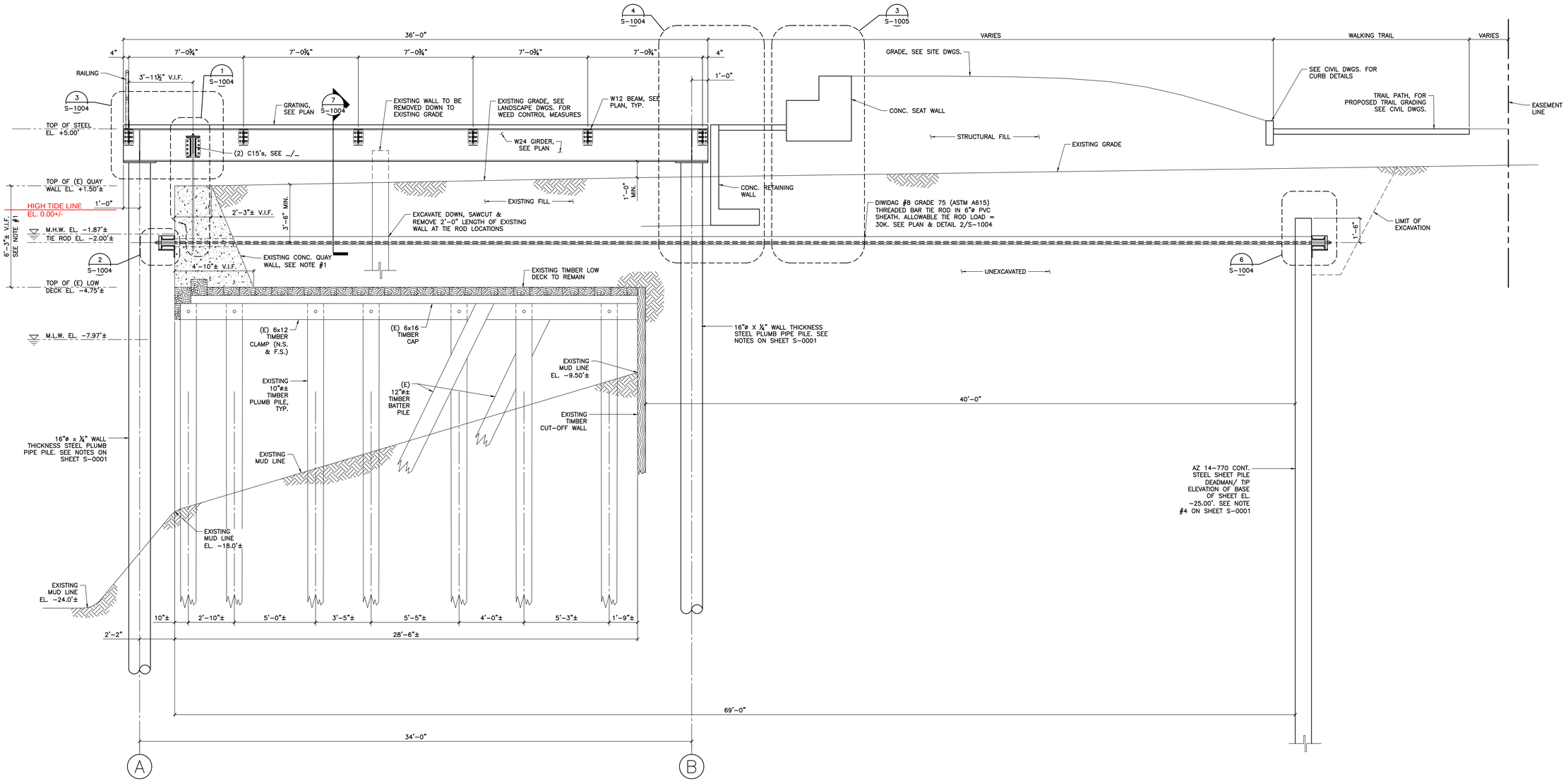
Pennoni Associates Inc.
Engineers • Surveyors • Planners
Landscape Architects

1900 Market Street, Suite 300 • Philadelphia, PA 19103
T 215.222.3000 • F 215.222.3588

DRAWN BY: TCW	SCALE: 1" = 1000'	DATE: 2019-10-30
CHECKED BY: JS	DRAWING NO.	
PROJECT NO. SRDC1601	LOCATION MAP	

56TH STREET TO 61ST STREET ALONG SCHUYLKILL RIVER
PHILADELPHIA , PENNSYLVANIA, 19143

P:\PROJECTS\SRDC\SRDC1601 - SCHUYLKILL RIVER TRAIL 58TH TO 61ST\DESIGN_PUBLISH\LOCATION MAP UPDATED.DWG
PLOTTED: 11/1/2019 2:57:09 PM, BY: ZACH MESSERLE PLOTSTYLE: PENNONI NCS.STB, PROJECT STATUS: ----



1 TYPICAL CROSS SECTION

SCALE: 3/8"=1'-0"

NOTES:

1. THE DESIGN INTENT IS TO HANG THE EXISTING CONCRETE QUAY WALL FROM THE NEW STEEL FRAMING BY INSTALLING THE STEEL ANCHORS DRILLED INTO THE QUAY WALL WITH EPOXY ADHESIVE. SIZE, SPACING & EMBEDMENT OF ANCHORS IS BASED ON QUAY WALL DIMENSIONS SHOWN. NOTIFY ENGINEER IF QUAY WALL DIMENSIONS VARY FROM THE ASSUMED DIMENSIONS.
2. EXISTING STRUCTURE LAYOUT, SIZES AND MUDLINE IS BASED ON INFORMATION CONTAINED WITHIN ROUTINE INSPECTION BY ANCHOR CONSULTANTS, INC. DATED MAY 2018.
3. MHW AND MLW ELEVATIONS ARE PROVIDED FOR INFORMATION ONLY AND ARE BASED ON INFORMATION ESTABLISHED BY OTHERS. CONTRACTOR SHALL VERIFY MHW & MLW ELEVATIONS DURING BIDDING STAGE.
4. (E) – DENOTES EXISTING TO REMAIN

ISSUE FOR BID

Pennoni
PENNONI ASSOCIATES INC.
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ALL DIMENSIONS MUST BE VERIFIED BY CONTRACTOR AND OWNER MUST BE NOTIFIED OF ANY DISCREPANCIES BEFORE PROCEEDING WITH WORK

COMMONWEALTH OF PENNSYLVANIA REGISTERED PROFESSIONAL DENNIS M. SMITH, P.E. NO. PE-040568-E

SCHUYLKILL RIVER TRAIL 56TH TO 61ST STREET
3000 S. 56TH STREET, 2751 S. 58TH STREET, 3107 S. 61ST STREET
PHILADELPHIA, PA 19143

FISHING PIER BULKHEAD CROSS SECTIONS

SCHUYLKILL RIVER DEVELOPMENT CORPORATION
2401 WALNUT STREET, 6TH FLOOR
PHILADELPHIA, PA 19103

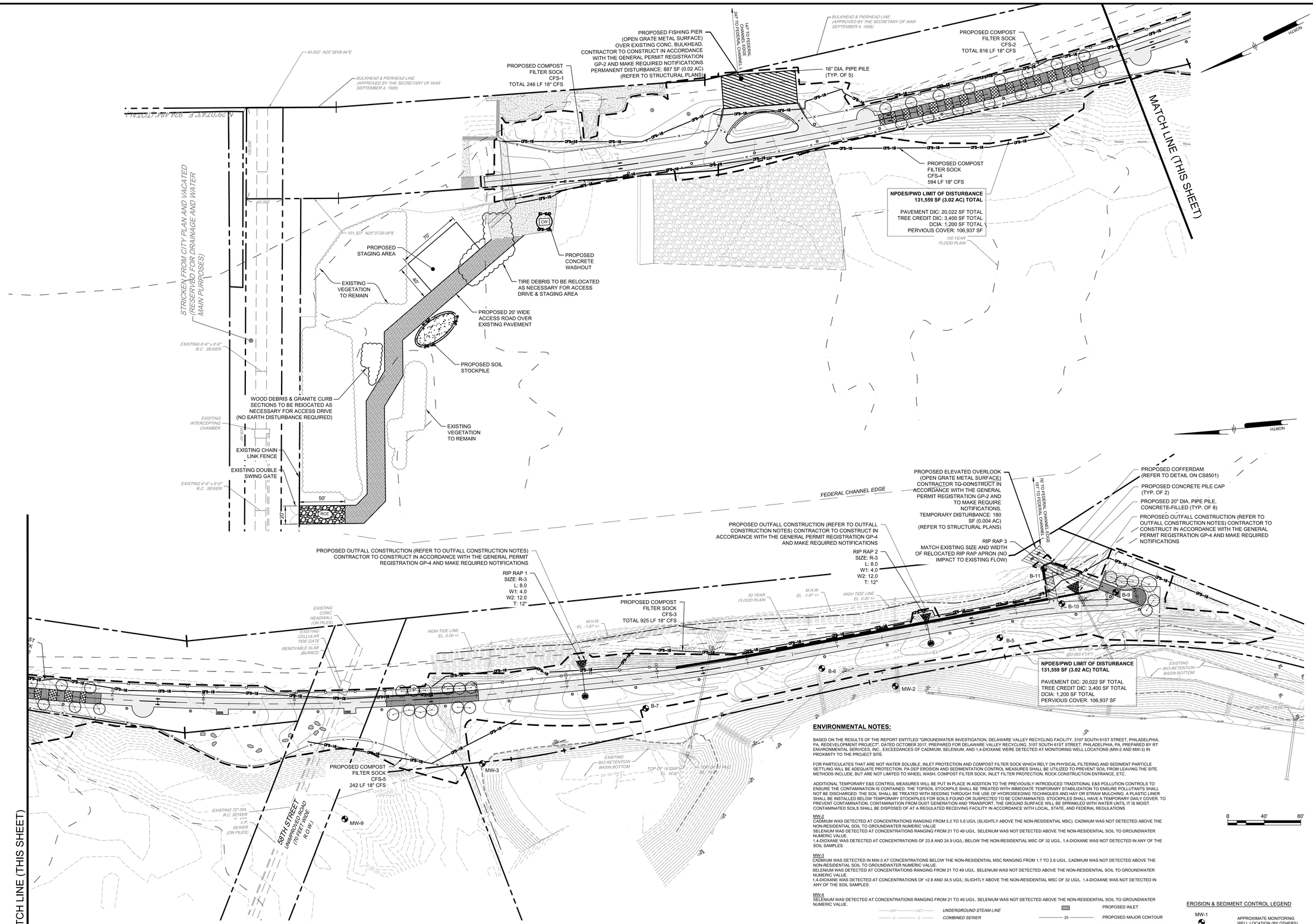
NO.	DATE	REVISIONS	BY

PROJECT	SRDC1601
DATE	3/25/2020
DRAWING SCALE	AS NOTED
DRAWN BY	KGM
APPROVED BY	DMS

S-1003

SHEET OF

P:\Projects\SRDC\SRDC1601 - Schuylkill River trail (56th to 61st)\DESIGN\S-1003.dwg PLOTTED: 3/23/2020 2:22 PM BY: Kenneth Mulner PLOTSTYLE: Pennoni.NCS.ctb PROJECT STATUS: —



SITE NOTES

1. THE MEAN HIGH WATER (MHW) ELEVATION SHOWN HEREON IS -1.87' IN CITY OF PHILADELPHIA DATUM. THIS ELEVATION IS CALCULATED BASED ON THE MHW ELEVATION REFERENCED BY THE NOAA DELAWARE RIVER STATION (STATION 8545240). THE MHW ELEVATION REFERENCED BY NOAA IS 10.11 IN THE STATION DATUM. THE CONVERSION FROM THE NOAA STATION DATUM TO NAVD88 IS -6.92' BASED ON THE CONVERSION FACTOR PROVIDED BY NOAA. THE CONVERSION FROM NAVD88 TO CITY OF PHILADELPHIA DATUM IS -5.06'.
2. PENNONI CONDUCTED A FIELD VISIT WITH REPRESENTATIVES FROM THE USACE ON JULY 2, 2020 TO OBSERVE HIGH TIDE. THE WATER ELEVATION FIELD SURVEYED AT HIGH TIDE AT 11:40AM IS ELEVATION -1.5' IN CITY DATUM. A REPRESENTATIVE FROM THE USACE IDENTIFIED THE RACK LINE ALONG THE BOTTOM OF THE BANK RANGING FROM ELEVATION -0.4' TO ELEVATION 0.0' IN CITY DATUM. WE HAVE CONSERVATIVELY INDICATED A HIGH TIDE LINE ELEVATION OF 0.0' IN CITY DATUM HEREON.
3. BASED ON A FIELD VISIT PERFORMED WITH REPRESENTATIVES FROM THE USACE ON JULY 2, 2020, THERE ARE NO WETLANDS OBSERVED WITHIN THE PROJECT LIMITS.

ENVIRONMENTAL NOTES:

BASED ON THE RESULTS OF THE REPORT ENTITLED "GROUNDWATER INVESTIGATION, DELAWARE VALLEY RECYCLING FACILITY, 3107 SOUTH 61ST STREET, PHILADELPHIA, PA, REDEVELOPMENT PROJECT". DATED OCTOBER 2017, PREPARED FOR DELAWARE VALLEY RECYCLING, 3107 SOUTH 61ST STREET, PHILADELPHIA, PA, PREPARED BY RT ENVIRONMENTAL SERVICES, INC., EXCEEDANCES OF CADMIUM, SELENIUM, AND 1,4-DIOXANE WERE DETECTED AT MONITORING WELL LOCATIONS (MW-2 AND MW-3) IN PROXIMITY TO THE PROJECT SITE.

FOR PARTICULATES THAT ARE NOT WATER SOLUBLE, INLET PROTECTION AND COMPOST FILTER SOCK WHICH RELY ON PHYSICAL FILTERING AND SEDIMENT PARTICLE SETTLING WILL BE ADEQUATE PROTECTION. PA DEP EROSION AND SEDIMENTATION CONTROL MEASURES SHALL BE UTILIZED TO PREVENT SOIL FROM LEAVING THE SITE. METHODS INCLUDE, BUT ARE NOT LIMITED TO WHEEL WASH, COMPOST FILTER SOCK, INLET FILTER PROTECTION, ROCK CONSTRUCTION ENTRANCE, ETC.

ADDITIONAL TEMPORARY E&S CONTROL MEASURES WILL BE PUT IN PLACE IN ADDITION TO THE PREVIOUSLY INTRODUCED TRADITIONAL E&S POLLUTION CONTROLS TO ENSURE THE CONTAMINATION IS CONTAINED. THE TOPSOIL STOCKPILE SHALL BE TREATED WITH IMMEDIATE TEMPORARY STABILIZATION TO ENSURE POLLUTANTS SHALL NOT BE DISCHARGED. THE SOIL SHALL BE TREATED WITH SEEDING THROUGH THE USE OF HYDROSEEDING TECHNIQUES AND HAY OR STRAW MULCHING. A PLASTIC LINER SHALL BE INSTALLED BELOW TEMPORARY STOCKPILES FOR SOILS FOUND OR SUSPECTED TO BE CONTAMINATED. STOCKPILES SHALL HAVE A TEMPORARY DAILY COVER. TO PREVENT CONTAMINATION, CONTAMINATION FROM DUST GENERATION AND TRANSPORT, THE GROUND SURFACE WILL BE SPRINKLED WITH WATER UNTIL IT IS MOIST. CONTAMINATED SOILS SHALL BE DISPOSED OF AT A REGULATED RECEIVING FACILITY IN ACCORDANCE WITH LOCAL, STATE, AND FEDERAL REGULATIONS

MW-2
CADMIUM WAS DETECTED AT CONCENTRATIONS RANGING FROM 5.2 TO 5.6 UG/L (SLIGHTLY ABOVE THE NON-RESIDENTIAL MSC). CADMIUM WAS NOT DETECTED ABOVE THE NON-RESIDENTIAL SOIL TO GROUNDWATER NUMERIC VALUE
SELENIUM WAS DETECTED AT CONCENTRATIONS RANGING FROM 21 TO 49 UG/L. SELENIUM WAS NOT DETECTED ABOVE THE NON-RESIDENTIAL SOIL TO GROUNDWATER NUMERIC VALUE
1,4-DIOXANE WAS DETECTED AT CONCENTRATIONS OF 23.8 AND 24.9 UG/L; BELOW THE NON-RESIDENTIAL MSC OF 32 UG/L. 1,4-DIOXANE WAS NOT DETECTED IN ANY OF THE SOIL SAMPLES

MW-3
CADMIUM WAS DETECTED IN MW-3 AT CONCENTRATIONS BELOW THE NON-RESIDENTIAL MSC RANGING FROM 1.7 TO 2.6 UG/L. CADMIUM WAS NOT DETECTED ABOVE THE NON-RESIDENTIAL SOIL TO GROUNDWATER NUMERIC VALUE.
SELENIUM WAS DETECTED AT CONCENTRATIONS RANGING FROM 21 TO 49 UG/L. SELENIUM WAS NOT DETECTED ABOVE THE NON-RESIDENTIAL SOIL TO GROUNDWATER NUMERIC VALUE.
1,4-DIOXANE WAS DETECTED AT CONCENTRATIONS OF <2.8 AND 34.5 UG/L; SLIGHTLY ABOVE THE NON-RESIDENTIAL MSC OF 32 UG/L. 1,4-DIOXANE WAS NOT DETECTED IN ANY OF THE SOIL SAMPLES.

MW-4
SELENIUM WAS DETECTED AT CONCENTRATIONS RANGING FROM 21 TO 49 UG/L. SELENIUM WAS NOT DETECTED ABOVE THE NON-RESIDENTIAL SOIL TO GROUNDWATER NUMERIC VALUE.

LEGEND:

- EXISTING SPILLWAY
- RIGHT-OF-WAY / PROPERTY LINE
- CURB
- SIDEWALK
- PAVEMENT
- SIGN
- UTILITY POLE AND LIGHT
- HYDRANT
- MAJOR CONTOUR
- MINOR CONTOUR
- 100-YR FLOODPLAIN (APPROXIMATE)
- 500-YR FLOODPLAIN (APPROXIMATE)
- UNDERGROUND STEAM LINE
- COMBINED SEWER
- UNDERGROUND ELECTRIC LINE
- UNDERGROUND TELECOMM LINE
- UNDERGROUND COMMUNICATIONS LINE
- MANHOLES
- VALVES
- INLET
- TREE
- FRESH AIR INLET
- EXISTING TREE LINE (APPROXIMATE)
- SCHUYLKILL RIVER
- RIVER EDGE
- MEAN HIGH WATER (MHW) (APPROXIMATE)
- FEDERAL CHANNEL EDGE (APPROXIMATE)
- HIGH TIDE LINE (APPROXIMATE)
- PROPOSED INLET
- PROPOSED MAJOR CONTOUR
- PROPOSED MINOR CONTOUR
- PROPOSED SPOT ELEVATION
- PROPOSED SURFACE SLOPE
- PROPOSED STORM SEWER PIPE
- PROPOSED SANITARY/STORM MANHOLE
- LIMIT OF EARTH DISTURBANCE
- PILE
- PROPOSED ASPHALT TRAIL (DISCONNECTED COVER)
- PROPOSED ASPHALT TRAIL (TREE CREDIT DISCONNECTION)
- PROPOSED ASPHALT TRAIL, DCIA (IMPERVIOUS)
- PROPOSED PIER/OVERLOOK (REFER TO STRUCTURAL PLANS)
- PROPOSED HEADWALL/RIPRAP

EROSION & SEDIMENT CONTROL LEGEND

- MW-1 — APPROXIMATE MONITORING WELL LOCATION (BY OTHERS)
- B-1 — APPROXIMATE TEST BORING LOCATION
- STOCKPILE
- ROCK CONSTRUCTION ENTRANCE (RCE)
- APPROX. 20' WIDE ACCESS ROAD OVER EXISTING PAVEMENT
- CW — CONCRETE WASHOUT
- INLET PROTECTION
- CFS-18 — PROPOSED 18" COMPOST FILTER STOCK
- CFS-12 — PROPOSED 12" COMPOST FILTER STOCK
- COFFERDAM

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SCHUYLKILL RIVER TRAIL 56TH TO 61ST STREET

3000 S. 56TH STREET / 2751 S. 58TH STREET / 3107 S. 61ST STREET
PHILADELPHIA, PA 19143

EROSION AND SEDIMENT CONTROL PLAN

SCHUYLKILL RIVER DEVELOPMENT CORPORATION
2401 WALNUT STREET, 6TH FLOOR
PHILADELPHIA, PA 19103

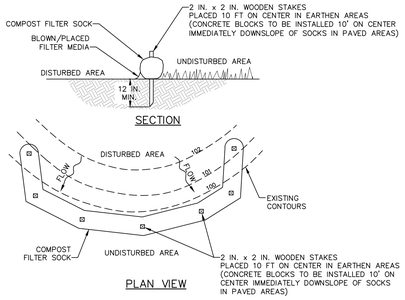
BY	REVISIONS	NO.	DATE
SDS	USACE RESUBMISSION	5	7/28/2020
SDS	USACE RESUBMISSION	4	7/21/2020
SDS	USACE RESUBMISSION	3	7/10/2020
SDS	PWD PCSM AND PADEP NPDES RESUBMISSION	2	5/27/2020
SDS	PWD FULL TECHNICAL RESUBMISSION	1	4/27/2020

PROJECT	SRDC1601
DATE	1/22/2020
DRAWING SCALE	1"=40'
DRAWN BY	TCW
APPROVED BY	KEW

CS8001

SHEET 10 OF 13

P:\Pennoni\SRDC\SRDC1601 - Schuylkill River trail 56th to 61st\CS\ESDP_PUBLISH\PWD\7.4 TwinCS8001.dwg PLOTTED: 7/28/2020 11:58 AM BY: Sean D. Smith PLOTSTYLE: Pennoni MCS.stb PROJECT STATUS: —



NOTES:

SOCK FABRIC SHALL MEET STANDARDS OF TABLE 4.1 OF THE PA DEP EROSION CONTROL MANUAL. COMPOST SHALL MEET THE STANDARDS OF TABLE 4.2 OF THE PA DEP EROSION CONTROL MANUAL.

COMPOST FILTER SOCK SHALL BE PLACED AT EXISTING LEVEL GRADE. BOTH ENDS OF THE BARRIER SHALL BE EXTENDED AT LEAST 8 FEET UP SLOPE AT 45 DEGREES TO THE MAIN BARRIER ALIGNMENT. MAXIMUM SLOPE LENGTH ABOVE ANY BARRIER SHALL NOT EXCEED THAT SPECIFIED FOR THE SIZE OF THE SOCK AND THE SLOPE OF ITS TRIBUTARY AREA.

TRAFFIC SHALL NOT BE PERMITTED TO CROSS COMPOST FILTER SOCKS.

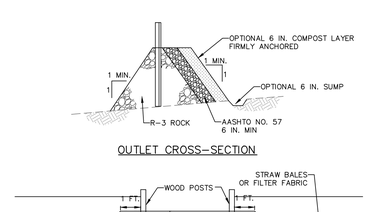
ACCUMULATED SEDIMENT SHALL BE REMOVED WHEN IT REACHES 1/2 THE ABOVE GROUND HEIGHT OF THE BARRIER AND DISPOSED IN THE MANNER DESCRIBED ELSEWHERE IN THE PLAN.

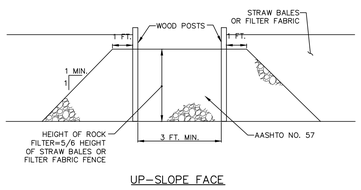
COMPOST FILTER SOCKS SHALL BE INSPECTED WEEKLY AND AFTER EACH RUNOFF EVENT. DAMAGED SOCKS SHALL BE REPAIRED ACCORDING TO MANUFACTURER'S SPECIFICATIONS OR REPLACED WITHIN 24 HOURS OF INSPECTION.

BIODEGRADABLE COMPOST FILTER SOCKS SHALL BE REPLACED AFTER 6 MONTHS; PHOTODEGRADABLE SOCKS AFTER 1 YEAR. POLYPROPYLENE SOCKS SHALL BE REPLACED ACCORDING TO MANUFACTURER'S RECOMMENDATIONS.

UPON STABILIZATION OF THE AREA TRIBUTARY TO THE SOCK, STAKES SHALL BE REMOVED. THE SOCK MAY BE LEFT IN PLACE AND VEGETATED OR REMOVED. IN THE LATTER CASE, THE MESH SHALL BE CUT OPEN AND THE MULCH SPREAD AS A SOIL SUPPLEMENT.

DETAIL- COMPOST FILTER SOCK
N.T.S. — 1 / CS8501



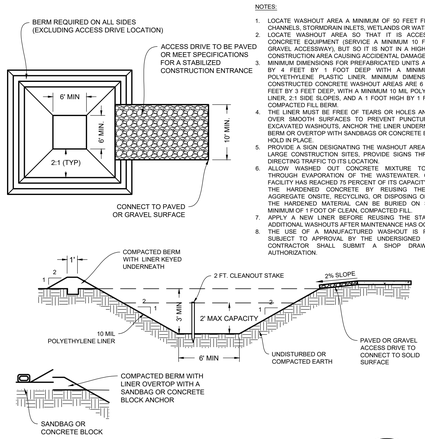


NOTES:

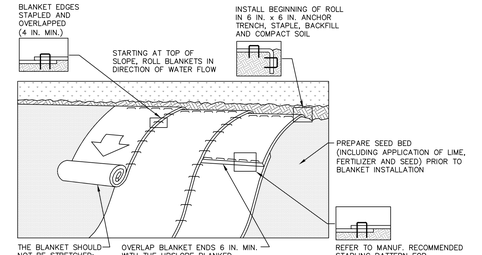
A ROCK FILTER OUTLET SHALL BE INSTALLED WHERE FAILURE OF A SILT FENCE OR STRAW BALE BARRIER HAS OCCURRED DUE TO CONCENTRATED FLOW. ANCHORED COMPOST LAYER SHALL BE USED ON UPSLOPE FACE IN HQ AND EV WATERSHEDS.

SEDIMENT SHALL BE REMOVED WHEN ACCUMULATIONS REACH 1/3 THE HEIGHT OF THE OUTLET.

DETAIL- ROCK FILTER OUTLET
N.T.S. — 2 / CS8501



DETAIL- CONCRETE WASHOUT
N.T.S. — 3 / CS8501



NOTES:

SEED AND SOIL AMENDMENTS SHALL BE APPLIED ACCORDING TO THE RATES IN THE PLAN DRAWINGS PRIOR TO INSTALLING THE BLANKET.

PROVIDE ANCHOR TRENCH AT TOE OF SLOPE IN SIMILAR FASHION AS AT TOP OF SLOPE.

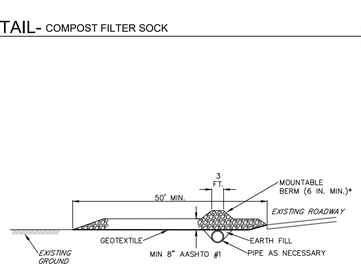
SLOPE SURFACE SHALL BE FREE OF ROCKS, CLODS, STICKS, AND GRASS.

BLANKET SHALL HAVE GOOD CONTINUOUS CONTACT WITH UNDERLYING SOIL THROUGHOUT ENTIRE LENGTH. LAY BLANKET LOOSELY AND STAKE OR STAPLE TO MAINTAIN DIRECT CONTACT WITH SOIL. DO NOT STRETCH BLANKET.

THE BLANKET SHALL BE STAPLED IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS.

BLANKETED AREAS SHALL BE INSPECTED WEEKLY AND AFTER EACH RUNOFF EVENT UNTIL PERENNIAL VEGETATION IS ESTABLISHED TO A MINIMUM UNIFORM 70% COVERAGE THROUGHOUT THE BLANKETED AREA. DAMAGED OR DISPLACED BLANKETS SHALL BE RESTORED OR REPLACED WITHIN 4 CALENDAR DAYS.

DETAIL- EROSION CONTROL BLANKET
N.T.S. — 4 / CS8501



* MOUNTABLE BERM USED TO PROVIDE PROPER COVER FOR PIPE

NOTES:

REMOVE TOPSOIL PRIOR TO INSTALLATION OF ROCK CONSTRUCTION ENTRANCE. EXTEND ROCK OVER FULL WIDTH OF ENTRANCE.

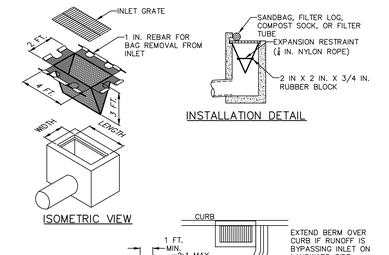
RUNOFF SHALL BE DIVERTED FROM ROADWAY TO A SUITABLE SEDIMENT REMOVAL BMP PRIOR TO ENTERING ROCK CONSTRUCTION ENTRANCE.

MOUNTABLE BERM SHALL BE INSTALLED WHEREVER OPTIONAL CULVERT PIPE IS USED AND PROPER PIPE COVER AS SPECIFIED BY MANUFACTURER IS NOT OTHERWISE PROVIDED. PIPE SHALL BE SIZED APPROPRIATELY FOR SIZE OF DITCH BEING CROSSED.

GEOTEXTILE FOR ROCK CONSTRUCTION ENTRANCE TO MEET THE REQUIREMENTS OF PENNDOT PUBLICATION 408, SECTION 735, CLASS 4, TYPE A GEOTEXTILE.

MAINTENANCE: ROCK CONSTRUCTION ENTRANCE THICKNESS SHALL BE CONSTANTLY MAINTAINED TO THE SPECIFIED DIMENSIONS BY ADDING ROCK. A STOCKPILE SHALL BE MAINTAINED ON SITE FOR THIS PURPOSE. ALL SEDIMENT DEPOSITED ON PAVED ROADWAYS SHALL BE REMOVED AND RETURNED TO THE CONSTRUCTION SITE IMMEDIATELY. IF EXCESSIVE AMOUNTS OF SEDIMENT ARE BEING DEPOSITED ON ROADWAY, EXTEND LENGTH OF ROCK CONSTRUCTION ENTRANCE BY 50 FOOT INCREMENTS UNTIL CONDITION IS ALLEVIATED OR INSTALL WASH RACK. WASHING THE ROADWAY OR SWEEPING THE DEPOSITS INTO ROADWAY DITCHES, SEWERS, CULVERTS, OR OTHER DRAINAGE COURSES IS NOT ACCEPTABLE.

DETAIL- ROCK CONSTRUCTION ENTRANCE
N.T.S. — 5 / CS8501



NOTES:

MAXIMUM DRAINAGE AREA = 1/2 ACRE.

INLET PROTECTION SHALL NOT BE REQUIRED FOR INLET TRIBUTARY TO SEDIMENT BASIN OR TRAP. BERMS SHALL BE REQUIRED FOR ALL INSTALLATIONS.

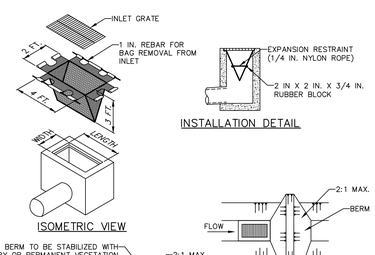
ROLLED EARTHEN BERM SHALL BE MAINTAINED UNTIL ROADWAY IS STONED. ROAD SUBBASE BERM SHALL BE MAINTAINED UNTIL ROADWAY IS PAVED. SIX INCH MINIMUM HEIGHT ASPHALT BERM SHALL BE MAINTAINED UNTIL ROADWAY SURFACE RECEIVES FINAL COAT.

AT A MINIMUM, THE FABRIC SHALL HAVE A MINIMUM GRAB TENSILE STRENGTH OF 120 LBS, A MINIMUM BURST STRENGTH OF 200 PSI, AND A MINIMUM TRAPEZOIDAL TEAR STRENGTH OF 50 LBS. FILTER BAGS SHALL BE CAPABLE OF TRAPPING ALL PARTICLES NOT PASSING A NO. 40 SIEVE.

INLET FILTER BAGS SHALL BE INSPECTED ON A WEEKLY BASIS AND AFTER EACH RUNOFF EVENT. BAGS SHALL BE EMPTIED AND RINSED OR REPLACED WHEN HALF FULL OR WHEN FLOW CAPACITY HAS BEEN REDUCED SO AS TO CAUSE FLOODING OR BYPASSING OF THE INLET. DAMAGED OR CLOGGED BAGS SHALL BE REPLACED. A SUPPLY SHALL BE MAINTAINED ON SITE FOR REPLACEMENT OF BAGS. ALL NEEDED REPAIRS SHALL BE INITIATED IMMEDIATELY AFTER THE INSPECTION. DISPOSE OF ACCUMULATED SEDIMENT AS WELL AS ALL USED BAGS ACCORDING TO THE PLAN NOTES.

DO NOT USE ON MAJOR PAVED ROADWAYS WHERE PONDING MAY CAUSE TRAFFIC HAZARDS.

DETAIL- FILTER BAG INLET PROTECTION - TYPE C INLET
N.T.S. — 6 / CS8501



NOTES:

MAXIMUM DRAINAGE AREA = 1/2 ACRE.

INLET PROTECTION SHALL NOT BE REQUIRED FOR INLET TRIBUTARY TO SEDIMENT BASIN OR TRAP. BERMS SHALL BE REQUIRED FOR ALL INSTALLATIONS.

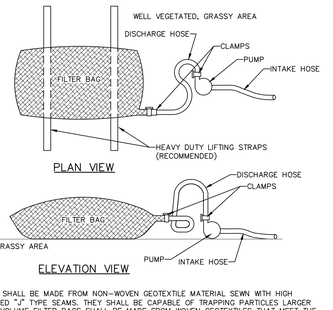
ROLLED EARTHEN BERM IN ROADWAY SHALL BE MAINTAINED UNTIL ROADWAY IS STONED. ROAD SUBBASE BERM ON ROADWAY SHALL BE MAINTAINED UNTIL ROADWAY IS PAVED. EARTHEN BERM IN CHANNEL SHALL BE MAINTAINED UNTIL PERMANENT STABILIZATION IS COMPLETED OR REMAIN PERMANENTLY.

AT A MINIMUM, THE FABRIC SHALL HAVE A MINIMUM GRAB TENSILE STRENGTH OF 120 LBS., A MINIMUM BURST STRENGTH OF 200 PSI, AND A MINIMUM TRAPEZOIDAL TEAR STRENGTH OF 50 LBS. FILTER BAGS SHALL BE CAPABLE OF TRAPPING ALL PARTICLES NOT PASSING A NO. 40 SIEVE.

INLET FILTER BAGS SHALL BE INSPECTED ON A WEEKLY BASIS AND AFTER EACH RUNOFF EVENT. BAGS SHALL BE EMPTIED AND RINSED OR REPLACED WHEN HALF FULL OR WHEN FLOW CAPACITY HAS BEEN REDUCED SO AS TO CAUSE FLOODING OR BYPASSING OF THE INLET. DAMAGED OR CLOGGED BAGS SHALL BE REPLACED. A SUPPLY SHALL BE MAINTAINED ON SITE FOR REPLACEMENT OF BAGS. ALL NEEDED REPAIRS SHALL BE INITIATED IMMEDIATELY AFTER THE INSPECTION. DISPOSE ACCUMULATED SEDIMENT AS WELL AS ALL USED BAGS ACCORDING TO THE PLAN NOTES.

DO NOT USE ON MAJOR PAVED ROADWAYS WHERE PONDING MAY CAUSE TRAFFIC HAZARDS.

DETAIL- FILTER BAG INLET PROTECTION - TYPE M INLET
N.T.S. — 7 / CS8501



NOTES:

LOW VOLUME FILTER BAGS SHALL BE MADE FROM NON-WOVEN GEOTEXTILE MATERIAL SEWN WITH HIGH STRENGTH, DOUBLE STITCHED "J" TYPE SEAMS. THEY SHALL BE CAPABLE OF TRAPPING PARTICLES LARGER THAN 150 MICRONS. HIGH VOLUME FILTER BAGS SHALL BE MADE FROM WOVEN GEOTEXTILES THAT MEET THE FOLLOWING STANDARDS:

PROPERTY	TEST METHOD	MINIMUM STANDARD
AVG. WIDE WIDTH STRENGTH	ASTM D-4884	60 LB/IN
GRAB TENSILE	ASTM D-4632	205 LB
PUNCTURE	ASTM D-4833	110 LB
MULLEN BURST	ASTM D-3786	350 PSI
UV RESISTANCE	ASTM D-4355	70%
AOS % RETAINED	ASTM D-4751	80 SIEVE

A SUITABLE MEANS OF ACCESSING THE BAG WITH MACHINERY REQUIRED FOR DISPOSAL PURPOSES SHALL BE PROVIDED. FILTER BAGS SHALL BE REPLACED WHEN THEY BECOME 1/2 FULL OF SEDIMENT. SPARE BAGS SHALL BE KEPT AVAILABLE FOR REPLACEMENT OF THOSE THAT HAVE FAILED OR ARE FILLED. BAGS SHALL BE PLACED ON STRAPS TO FACILITATE REMOVAL UNLESS BAGS COME WITH LIFTING STRAPS ALREADY ATTACHED.

BAGS SHALL BE LOCATED IN WELL-VEGETATED (GRASSY) AREA, AND DISCHARGE ONTO STABLE, EROSION RESISTANT AREAS. WHERE THIS IS NOT POSSIBLE, A GEOTEXTILE UNDERLAYMENT AND FLOW PATH SHALL BE PROVIDED. BAGS MAY BE PLACED ON FILTER STONE TO INCREASE DISCHARGE CAPACITY. BAGS SHALL NOT BE PLACED ON SLOPES GREATER THAN 5%. FOR SLOPES EXCEEDING 5%, CLEAN ROCK OR OTHER NON-ERODIBLE AND NON-POLLUTING MATERIAL MAY BE PLACED UNDER THE BAG TO REDUCE SLOPE STEEPNESS.

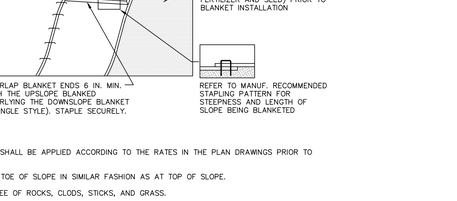
NO DOWNSLOPE SEDIMENT BARRIER IS REQUIRED FOR MOST INSTALLATIONS. COMPOST BERM OR COMPOST FILTER SOCK SHALL BE INSTALLED BELOW BAGS LOCATED IN HQ OR EV WATERSHEDS, WITHIN 50 FEET OF ANY RECEIVING SURFACE WATER OR WHERE GRASSY AREA IS NOT AVAILABLE.

THE PUMP DISCHARGE HOSE SHALL BE INSERTED INTO THE BAGS IN THE MANNER SPECIFIED BY THE MANUFACTURER AND SECURELY CLAMPED. A PIECE OF PVC PIPE IS RECOMMENDED FOR THIS PURPOSE.

THE PUMPING RATE SHALL BE NO GREATER THAN 750 GPM OR 1/2 THE MAXIMUM SPECIFIED BY THE MANUFACTURER, WHICHEVER IS LESS. PUMP INTAKES SHALL BE FLOATING AND SCREENED.

FILTER BAGS SHALL BE INSPECTED DAILY. IF ANY PROBLEM IS DETECTED, PUMPING SHALL CEASE IMMEDIATELY AND NOT RESUME UNTIL THE PROBLEM IS CORRECTED.

DETAIL- PUMPED WATER FILTER BAG
N.T.S. — 8 / CS8501

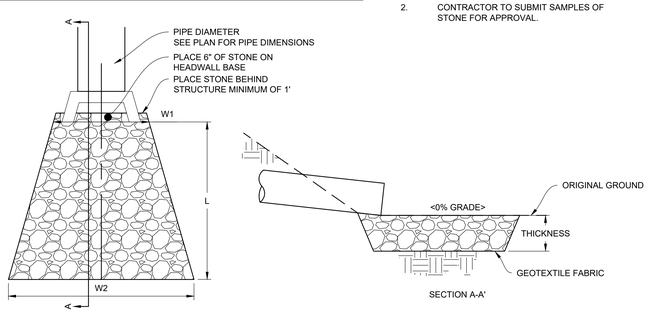


NOTES:

1. COMPOST FILTER SOCK SHALL BE PLACED AROUND THE PERIMETER OF ALL STOCKPILES.
2. IMMEDIATELY APPLY TEMPORARY SEEDING TO ALL STOCKPILES WHICH WILL REMAIN IN PLACE 20 DAYS OR MORE. IMMEDIATELY APPLY TEMPORARY SEEDING TO ALL STOCKPILES WITH SOILS FOUND OR SUSPECTED TO BE COTAMINATED THAT ARE NOT IMMEDIATELY REMOVED FROM THE SITE. THE SOIL SHALL BE TREATED WITH SEEDING THROUGH THE USE OF HYDROSEEDING TECHNIQUES AND HAY OR STRAW MULCHING. TEMPORARY SEEDING SHALL BE PER PENNDOT FORM 408, SECTION 804(B)
3. PLASTIC LINER TO BE INSTALLED BELOW TEMPORARY TOPSOIL STOCKPILES FOR SOILS FOUND OR SUSPECTED TO BE CONTAMINATED.
4. STOCKPILES SHALL HAVE A TEMPORARY DAILY COVER.

DETAIL- TOPSOIL STOCKPILE DETAIL
N.T.S. — 10 / CS8501

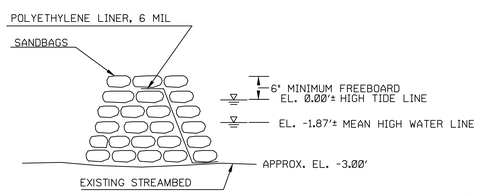
OUTLET STRUCTURE	PIPE DIA. PD	RIP-RAP		APRON		
		SIZE DIA.	THICKNESS	LENGTH L	INITIAL WIDTH W1	TERMINAL WIDTH W2
HEADWALL 1	15"	R-3	18"	8"	4"	12"
HEADWALL 2	15"	R-3	18"	8"	4"	12"



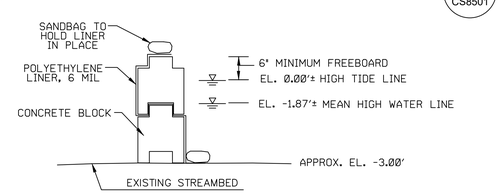
NOTES:

1. RIPRAP TO BE:
   SMOOTH WATER WASHED RIVER STONE.
   SIZE: R-3 (D50 = 6")
2. CONTRACTOR TO SUBMIT SAMPLES OF STONE FOR APPROVAL.

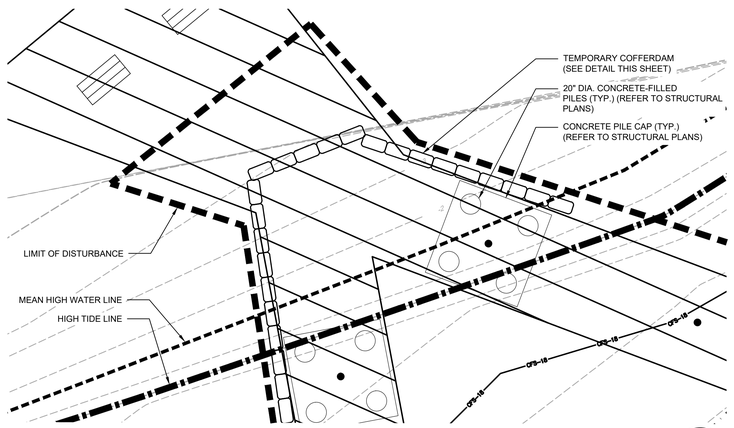
DETAIL - RIP-RAP
N.T.S. — 9 / CS8501



DETAIL- TEMPORARY COFFERDAM
N.T.S. — 10 / CS8501



DETAIL- TEMPORARY COFFERDAM ALTERNATE OPTION
N.T.S. — 11 / CS8501



DETAIL- TEMPORARY COFFERDAM PLAN VIEW
N.T.S. — 12 / CS8501

PENNONI ASSOCIATES INC.
1900 Market Street, Suite 300
Philadelphia, PA 19103
T 215.222.3000 F 215.222.3588

ALL DIMENSIONS MUST BE VERIFIED BY CONTRACTOR AND OWNER MUST BE NOTIFIED OF ANY DISCREPANCIES BEFORE PROCEEDING WITH WORK

SCHUYLKILL RIVER TRAIL 56TH TO 61ST STREET
3000 S. 56TH STREET / 2751 S. 58TH STREET, 3107 S. 61ST STREET
PHILADELPHIA, PA 19143

SCHUYLKILL RIVER DEVELOPMENT CORPORATION
2401 WALNUT STREET, 6TH FLOOR
PHILADELPHIA, PA 19103

EROSION AND SEDIMENT CONTROL DETAILS

			SDS	BY
		USACE RESUBMISSION	SDS	REVISIONS
	3	PWD PCSM AND PADEP NPDES RESUBMISSION	SDS	NO.
	2	PWD FULL TECHNICAL RESUBMISSION	SDS	DATE
	1			
	7/28/2020	4/27/2020	4/27/2020	

PROJECT	SRDC1601
DATE	1/22/2020
DRAWING SCALE	N.T.S.
DRAWN BY	TCW
APPROVED BY	KEW

CS8501

SHEET 11 OF 13