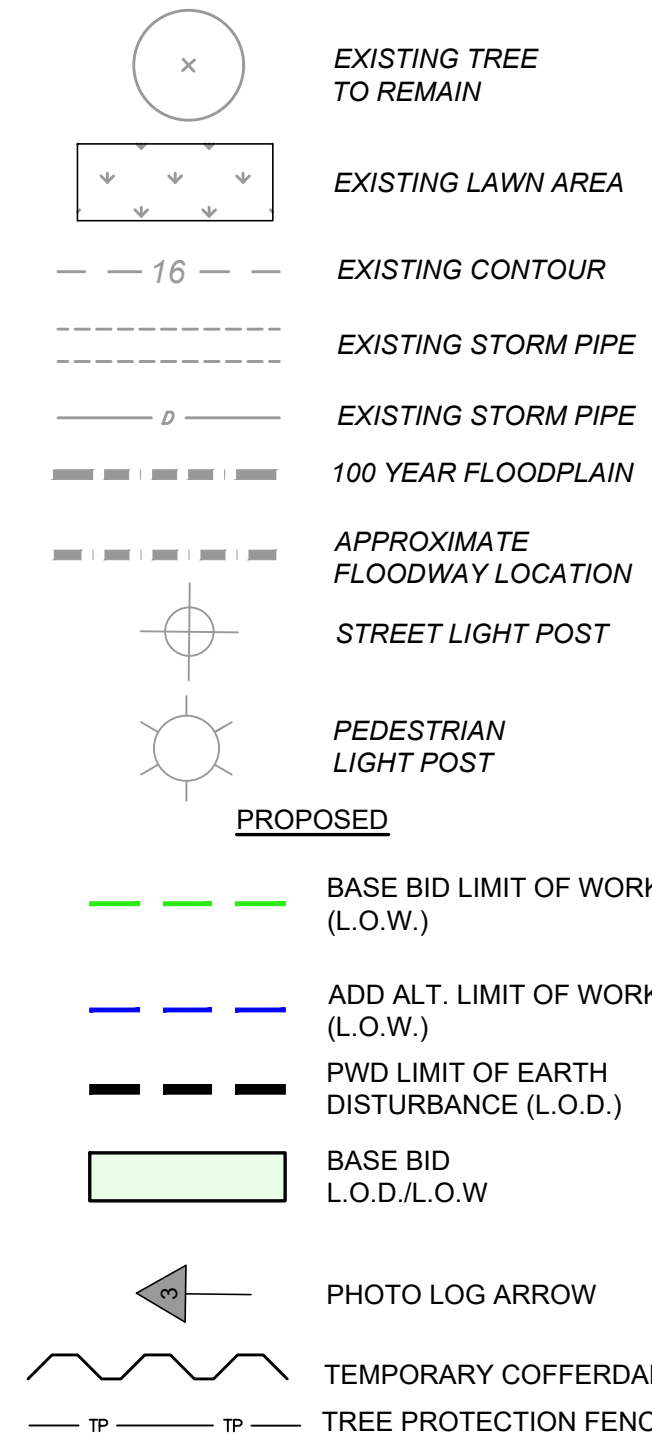


LEGEND

EXISTING



GENERAL NOTES:

- ALL AREAS OF TEMPORARY DISTURBANCE SHALL BE RESTORED TO THEIR ORIGINAL "PRE-DEVELOPED" CONDITION AFTER CONSTRUCTION.
- NO EARTH DISTURBANCE WILL TAKE PLACE OUTSIDE OF THE LIMIT OF DISTURBANCE.

NOTES:

SITE INFORMATION:

CURRENT SITE ADDRESS:
REVIEWING STAND MARINE WALL
EAST SIDE OF SCHUYLKILL RIVER NORTH OF COLUMBIA BRIDGE
CITY OF PHILADELPHIA
PHILADELPHIA, PA 19135
OPA # N/A

OWNER/DEVELOPER:
CITY OF PHILADELPHIA
1515 ARCH STREET, 11TH FLOOR
PHILADELPHIA, PA 19102

SITE NOTES:

- A FIELD SURVEY OF THE SITE WAS NOT PERFORMED.
- LOCATIONS OF ON AND OFF SITE UTILITIES AS SHOWN ARE APPROXIMATE AND MAY OR MAY NOT BE COMPLETE. THE NATURE AND EXACT LOCATION OF EXISTING UTILITIES SHOULD BE VERIFIED PRIOR TO INITIATING ANY ACTIVITY THAT MAY AFFECT THEIR USE OR LOCATION.
- THE LOCATION OF THE EXISTING UNDERGROUND UTILITIES SHOWN ON THIS PLAN HAVE BEEN TAKEN FROM EXISTING UTILITY RECORDS AVAILABLE AT THE TIME THESE PLANS WERE PREPARED AND FROM SURFACE OBSERVATION OF THE SITE.
- COMPLETENESS OR ACCURACY OF LOCATION AND DEPTH OF UNDERGROUND UTILITIES AND STRUCTURES IS NOT GUARANTEED.
- IN ACCORDANCE WITH PA ACT 287 OF 1974 AS AMENDED BY PA ACT 121 OF 2008 ENTITLED "UNDERGROUND UTILITY LINE PROTECTION LAW" THE CONTRACTOR SHALL NOTIFY ALL UTILITIES WITHIN THE WORK AREA VIA THE PENNSYLVANIA ONE CALL SYSTEM, INC. (800-242-1778) A MINIMUM OF 3 WORKING DAYS BEFORE THE START OF EXCAVATION.
- THE CONTRACTOR SHALL VERIFY LOCATIONS AND DEPTHS OF ALL UNDERGROUND UTILITIES AND STRUCTURES BEFORE THE START OF WORK.
- IF CONFLICTS ARE FOUND THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE OWNER AND DESIGN ENGINEER FOR INSTRUCTION BEFORE PROCEEDING WITH WORK.
- EXISTING SITE FEATURES SHOWN HEREON BASED ON FIELD OBSERVATIONS AND AERIAL IMAGERY. EXISTING TOPOGRAPHY SHOWN HEREON IS TAKEN FROM CITY OF PHILADELPHIA GIS DATA.
- THE VERTICAL DATUM FOR THIS PROJECT REFERENCES THE VERTICAL DATUM OF NATIONAL GEODETIC VERTICAL DATUM OF 1929 (NGVD29), THE CITY OF PHILADELPHIA (CITY DATUM). THERE IS A CONVERSION OF APPROXIMATELY -5.8 TO CITY OF PHILADELPHIA DATUM.

ZONING INFORMATION:

THE SITE IS LOCATED IN THE FOLLOWING ZONE IN THE CITY OF PHILADELPHIA:

SP-PO-A ACTIVE PARKS AND OPEN SPACE (SPECIAL PURPOSE)

FOR COMPLETE ZONING INFORMATION PLEASE REFER TO THE ZONING CODE OF THE CITY OF PHILADELPHIA AS CURRENTLY AMENDED.

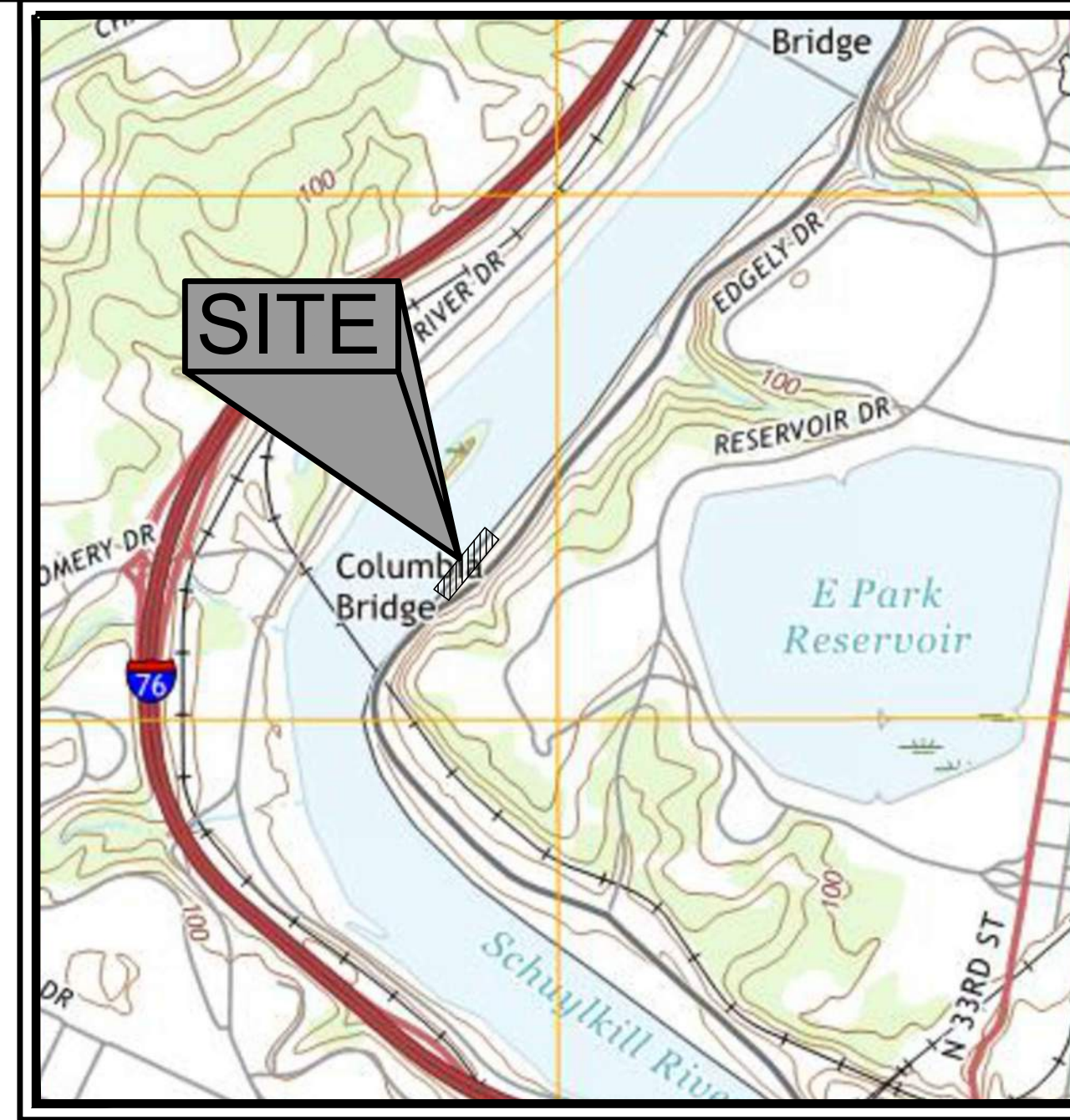
FLOOD ZONE INFORMATION:

BY GRAPHIC PLOTTING ONLY, BASED UPON THE THE FLOOD INSURANCE RATE MAP, PANEL NO. 177 OF 230, COMMUNITY MAP NUMBER 4207570177G WHICH BEARS AN EFFECTIVE DATE OF JANUARY 17TH, 2007, THE SITE IS LOCATED IN THE FOLLOWING AREAS:

ZONE AE - BASE FLOOD ELEVATION DETERMINED - 30 FT NGVD 29 (APPROX. 24.2 FT CITY DATUM)

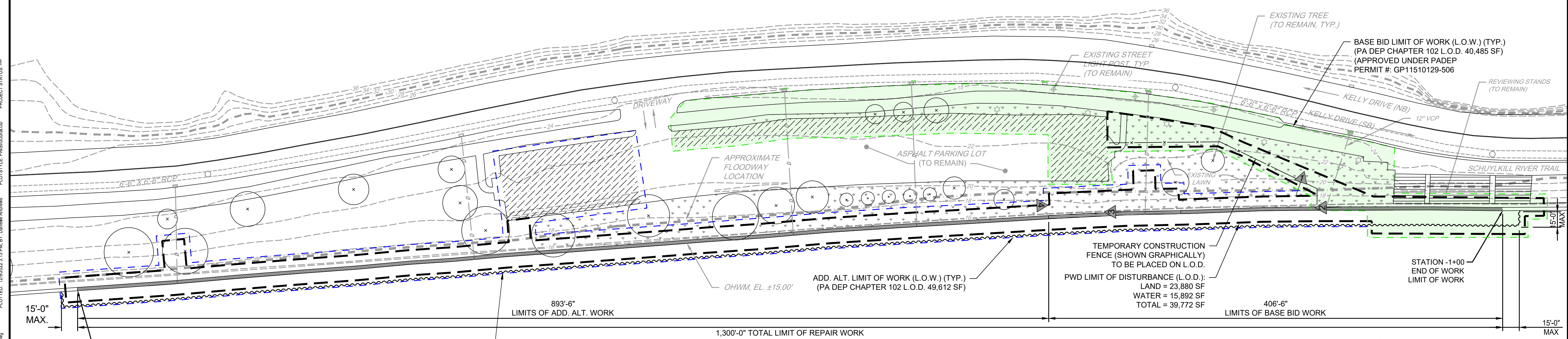
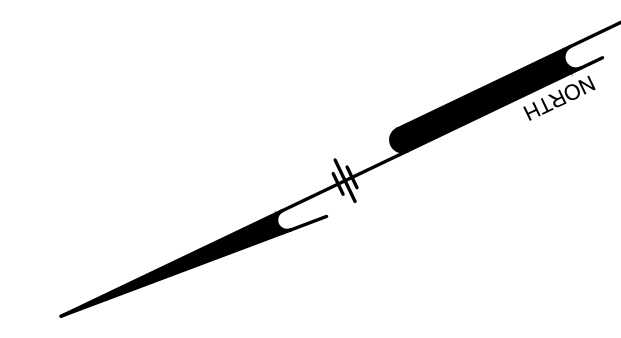
FLOODWAY AREA IN ZONE AE - THE FLOODWAY IS THE CHANNEL OF A STREAM PLUS ANY ADJACENT FLOODPLAIN AREAS THAT MUST BE KEPT FREE OF ENCROACHMENT SO THAT 1% ANNUAL CHANCE FLOOD CAN BE CARRIED WITHOUT SUBSTANTIAL INCREASES IN FLOOD HEIGHT

NO FIELD SURVEYING WAS PERFORMED TO DETERMINE THIS ZONE AND AN ELEVATION CERTIFICATE MAY BE NEEDED TO VERIFY THIS DETERMINATION OR APPLY FOR A VARIANCE FROM THE FEDERAL EMERGENCY MANAGEMENT AGENCY.



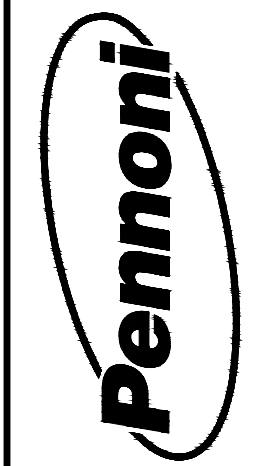
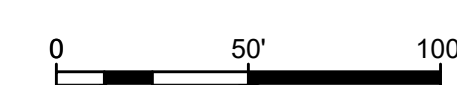
USGS LOCATION MAP
SCALE: 1" = 1000'

WATERSHED: LOWER SCHUYLKILL RIVER
SUB-WATERSHED: LOWER SCHUYLKILL RIVER
FLOOD MANAGEMENT DISTRICT A
FEMA FLOODPLAIN: ZONE AE
FLOODWAY AREAS IN ZONE AE
WARM WATER FISHERY (WWF) AND MIGRATORY FISHERY (MF)



LIMIT OF DISTURBANCE/LIMIT OF WORK TABULATION			
	BASE BID	ADD. ALT.	TOTAL
L.O.W.	40,485 SF	49,612 SF	90,097 SF
L.O.D.	11,196 SF	28,576 SF	39,772 SF

SCHUYLKILL RIVER WALL SITE PLAN



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

RENOVATION OF THE EAST SCHUYLKILL RIVER WALL AT REVIEWING STANDS EROSION & SEDIMENT CONTROL CONTEXT PLAN
CITY OF PHILADELPHIA
1515 ARCH STREET, 11TH FLOOR
PHILADELPHIA, PA 19102

NO.	DATE	REVISIONS	BY
1	2020-11-19	ERSA RESUBMISSION	ED
2	2021-01-06	ERSA RESUBMISSION	ED
3	2021-03-17	ERSA RESUBMISSION	SDS
4	2021-08-04	PHASE WORK DELINEATION	SDS

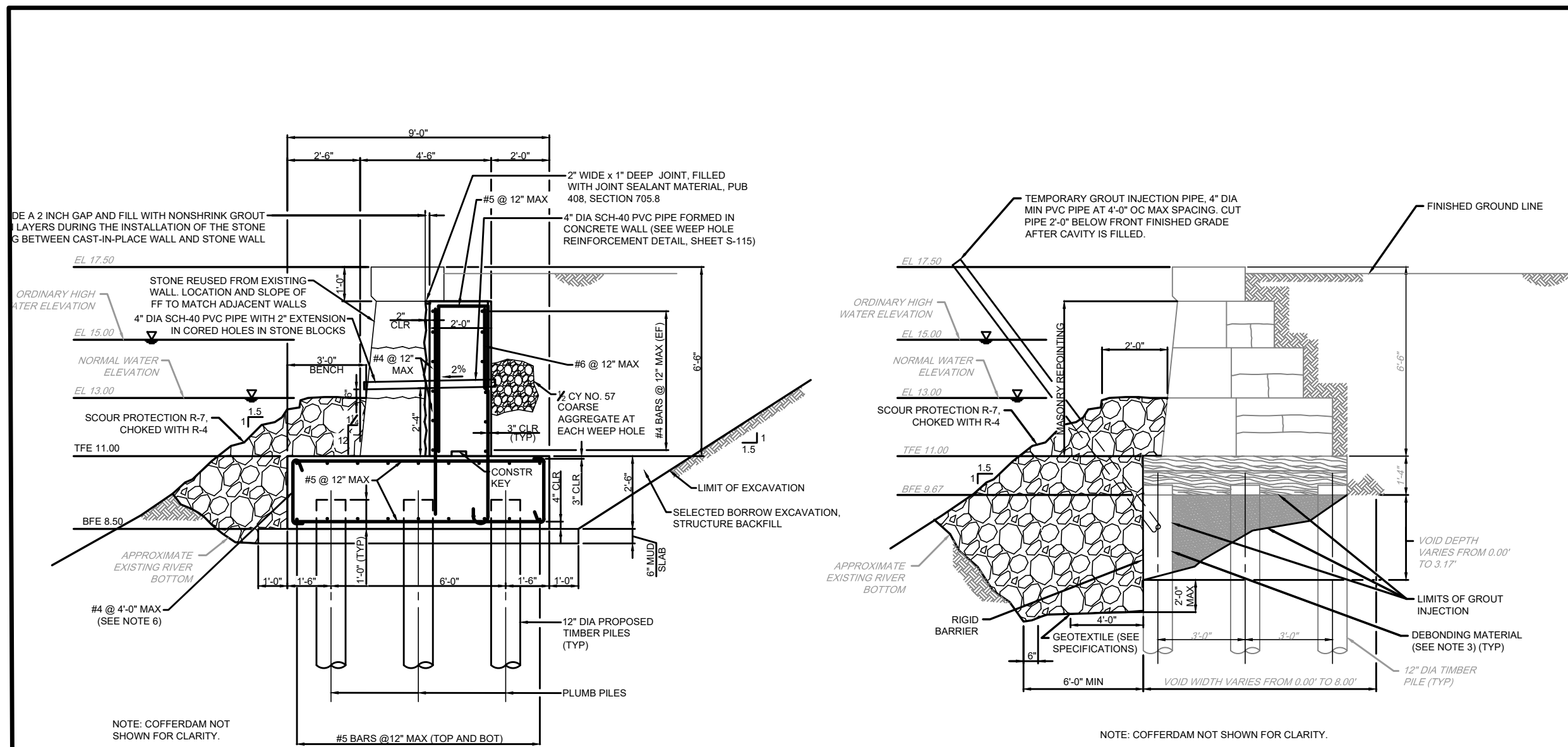
ALL DOCUMENTS PREPARED BY PENNONI ASSOCIATES ARE INSTRUMENTS OF SERVICE IN RESPECT OF THE PROJECT. THEY ARE NOT INTENDED OR REPRESENTED TO BE SUITABLE FOR REUSE BY OWNER OR OTHERS ON THE EXTENSIONS OF THE PROJECT OR ON ANY OTHER PROJECT. ANY REUSE WITHOUT WRITTEN VERIFICATION OR ADAPTATION BY PENNONI ASSOCIATES FOR THE SPECIFIC PURPOSE INTENDED WILL BE AT OWNERS SOLE RISK AND WITHOUT LIABILITY OR LEGAL EXPOSURE TO PENNONI ASSOCIATES, AND OWNER SHALL INDEMNIFY AND HOLD HARMLESS PENNONI ASSOCIATES FROM ALL CLAIMS, DAMAGES, LOSSES AND EXPENSES ARISING OUT OF OR RESULTING THEREFROM.

PROJECT	PHILP18003
DATE	2019-09-05
DRAWING SCALE	1"=50'-0"
DRAWN BY	SDS/SPG
APPROVED BY	EKN

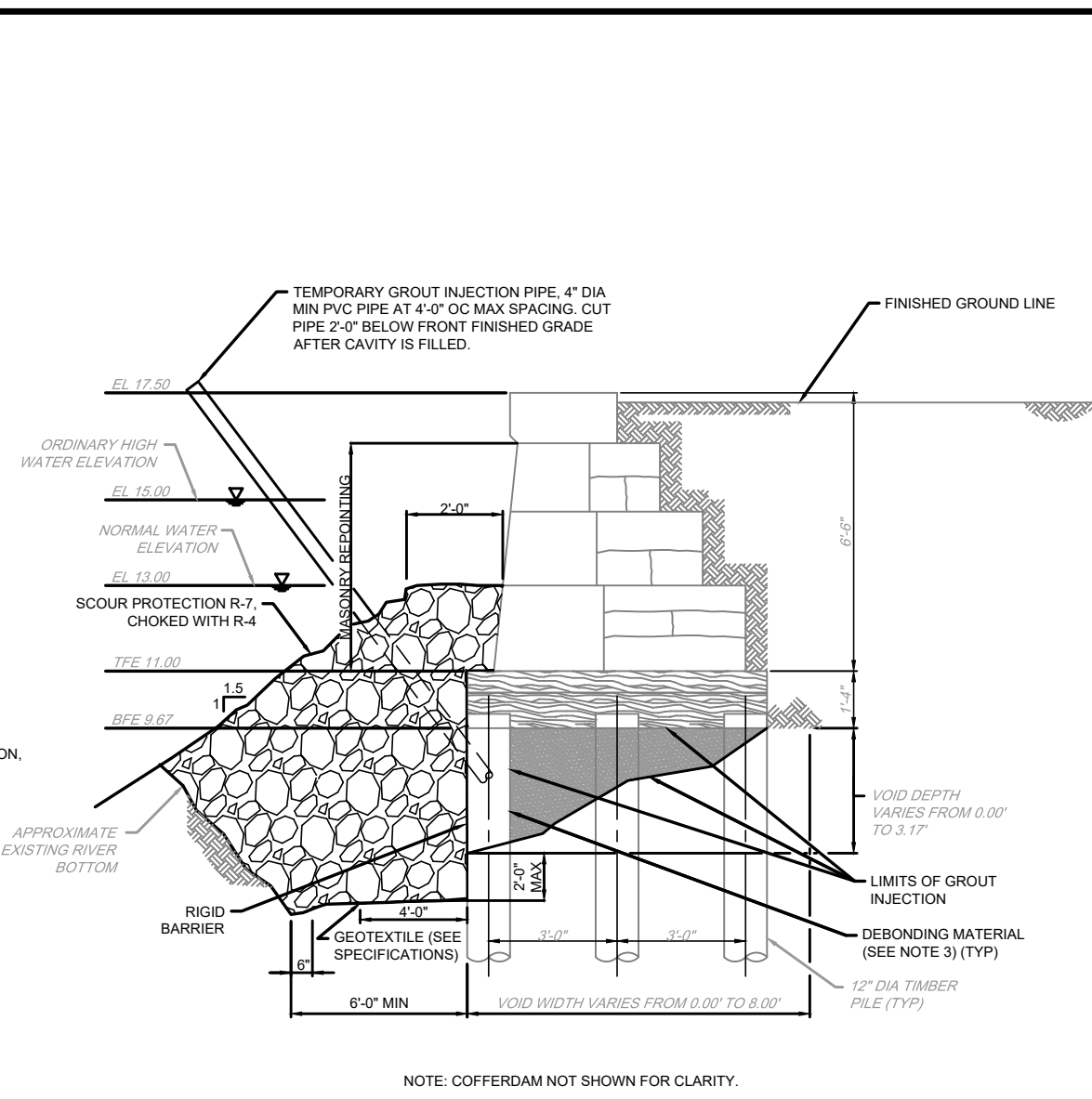
C-001
SHEET 1 OF 4

U:\Account\PHILP\PHILP18003 - 03 Renovation of the East Schuylkill River Wall at Reviewing Stands.dwg
 PLOTTED: 1/28/2022 3:13 PM BY: Danielle Adams
 PLOT STYLE: PARS.ctb
 PROJECT STATUS:

U:\Account\PHIL\PHILP18003 - 03 Renovation of the East Schuylkill River Section\SC101.dwg PLOTTED: 12/28/2022 3:13 PM BY: Danielle Andrews PLOTSTYLE: PMS.ctb PROJECT STATUS:



PROPOSED REPLACEMENT TYPICAL SECTION
(LOOKING NORTH)
NOT TO SCALE



PROPOSED REPAIR TYPICAL SECTION
(LOOKING NORTH)
NOT TO SCALE

LEGEND

EXISTING

- EXISTING TREE TO REMAIN
- EXISTING LAWN AREA
- EXISTING CONTOUR
- EXISTING STORM PIPE
- EXISTING STORM PIPE
- 100 YEAR FLOODPLAIN
- APPROXIMATE FLOODWAY LOCATION
- STREET LIGHT POST
- PEDESTRIAN LIGHT POST

PROPOSED

- AREA OF WALL REPAIR
- AREA OF WALL REPLACEMENT
- CONSTRUCTION STAGING AREA
- LAWN RESTORATION AREA
- FLOW
- TEMPORARY COFFERDAM
- COMPOST FILTER SOCK
- INLET PROTECTION, TYP.
- ROCK CONSTRUCTION ENTRANCE
- TREE PROTECTION FENCE
- BASE BID LIMIT OF WORK (L.O.W.)
- ADD. ALT. OF WORK (L.O.W.)
- PWD LIMIT OF EARTH DISTURBANCE (L.O.D.)
- BASE BID L.O.D./L.O.W.

NOTES:

SITE INFORMATION:

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EAST SIDE OF SCHUYLKILL RIVER NORTH OF COLUMBIA BRIDGE
CITY OF PHILADELPHIA
PHILADELPHIA, PA 19135
OPA # N/A

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- 2.A. THE LOCATION OF THE EXISTING UNDERGROUND UTILITIES SHOWN ON THIS PLAN HAVE BEEN TAKEN FROM EXISTING UTILITY RECORDS AVAILABLE AT THE TIME THESE PLANS WERE PREPARED AND FROM SURFACE OBSERVATION OF THE SITE. COMPLETENESS OR ACCURACY OF LOCATION AND DEPTH OF UNDERGROUND UTILITIES AND STRUCTURES IS NOT GUARANTEED. IN ACCORDANCE WITH PA ACT 287 OF 1974 AS AMENDED BY PA ACT 121 OF 2008 ENTITLED "UNDERGROUND UTILITY LINE PROTECTION LAW", THE CONTRACTOR SHALL NOTIFY ALL UTILITIES WITHIN THE WORK AREA VIA THE PENNSYLVANIA ONE CALL SYSTEM, INC. (800-242-1776) A MINIMUM OF 3 WORKING DAYS BEFORE THE START OF EXCAVATION. THE CONTRACTOR SHALL VERIFY LOCATIONS AND DEPTHS OF ALL UNDERGROUND UTILITIES AND STRUCTURES BEFORE THE START OF WORK.
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4. THE VERTICAL DATUM FOR THIS PROJECT REFERENCES THE VERTICAL DATUM OF NATIONAL GEODETIC VERTICAL DATUM OF 1929 (NGVD29). THE CITY OF PHILADELPHIA (CITY DATUM). THERE IS A CONVERSION OF APPROXIMATELY -5.8' TO CITY OF PHILADELPHIA DATUM.
5. THE TWO CONSTRUCTION STAGING AREAS ARE NOT TO BE OCCUPIED SIMULTANEOUSLY.

ZONING INFORMATION:

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SP-PO-A ACTIVE PARKS AND OPEN SPACE (SPECIAL PURPOSE)

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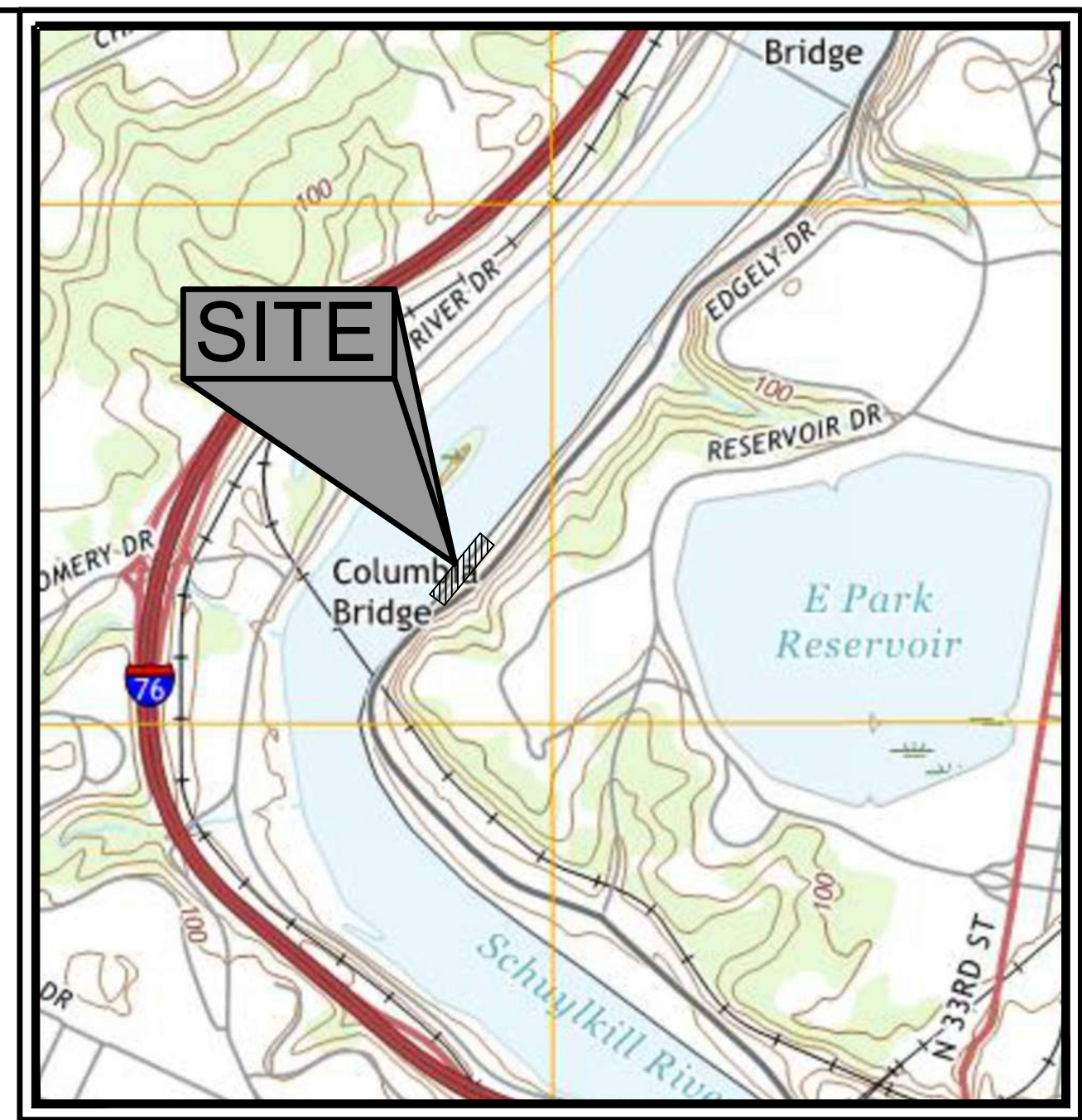
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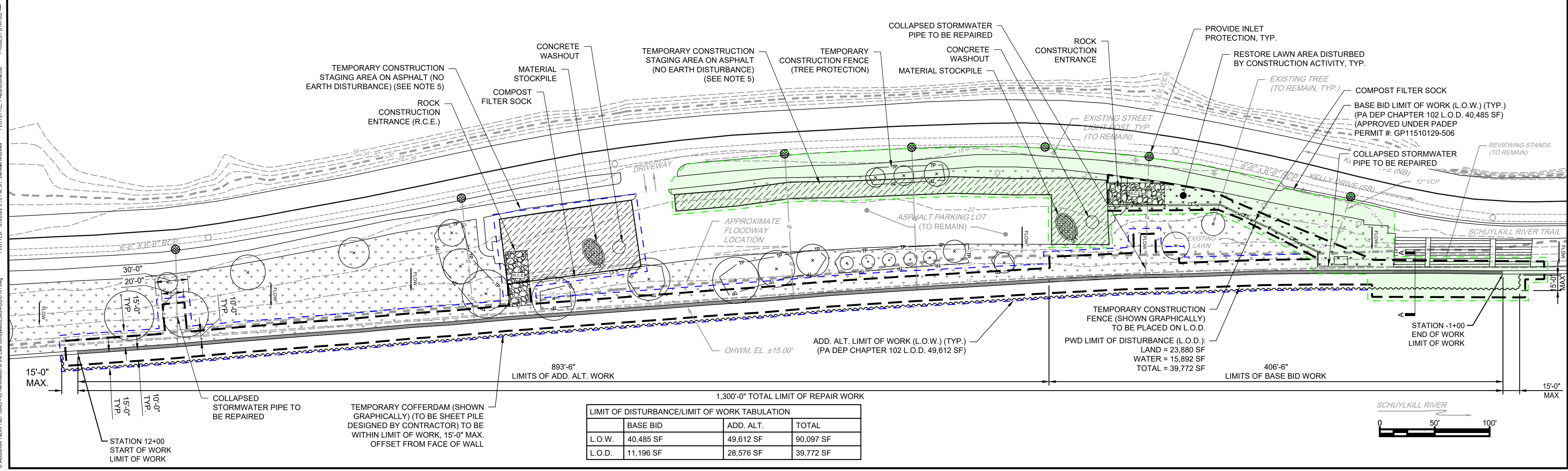
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USGS LOCATION MAP
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SUB-WATERSHED: LOWER SCHUYLKILL RIVER
FLOOD MANAGEMENT DISTRICT A
FEMA FLOODPLAIN: ZONE AE
FLOODWAY AREAS IN ZONE AE
WARM WATER FISHERY (WWF) AND MIGRATORY FISHERY (MF)



LIMIT OF DISTURBANCE/LIMIT OF WORK TABULATION

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L.O.D.	11,196 SF	28,576 SF	39,772 SF

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RENOVATION OF THE EAST SCHUYLKILL RIVER WALL AT REVIEWING STANDS EROSION & SEDIMENT CONTROL CONCEPT PLAN

CITY OF PHILADELPHIA
1515 ARCH STREET, 11TH FLOOR
PHILADELPHIA, PA 19102

NO.	DATE	REVISIONS	BY
1	2020-11-19	ERSA RESUBMISSION	ED
2	2021-01-06	ERSA RESUBMISSION	ED
3	2021-03-17	ERSA RESUBMISSION	SDS
4	2021-08-04	PHASE WORK DELINEATION	SDS

PROJECT	PHILP18003
DATE	2019-09-05
DRAWING SCALE	AS NOTED
DRAWN BY	SDS/SPG
APPROVED BY	EKN

C-101

SHEET 2 OF 4

PWD STANDARD E&S NOTES :

- AN INDUSTRIAL WASTE PERMIT WILL BE REQUIRED SHOULD PUMPING TO CITY-OWNED INFRASTRUCTURE BECOME NECESSARY DURING CONSTRUCTION. ALL PUMPING OF WATER FROM ANY WORK AREA SHALL BE DONE ACCORDING TO THE PROCEDURE DESCRIBED IN THIS PLAN, THROUGH A SEDIMENT FILTER BAG OVER UNDISTURBED VEGETATED AREAS.
- INLET PROTECTION SHOULD BE PROVIDED FOR ALL INLETS OWNED BY PWD THAT ARE LOCATED WITHIN ONE BLOCK (400' MIN.) OF THE PROJECT SITE.
- PWD IS NOT RESPONSIBLE FOR ANY CLEANUP OR REPAIRS NEEDED ON CITY-OWNED INFRASTRUCTURE DUE TO FAILURE OF ANY EROSION AND SEDIMENT CONTROL PRACTICES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL CLEANUP AND REPAIRS DUE TO FAILURE OF APPROVED EROSION CONTROL MEASURES.
- INSPECTION AND MAINTENANCE OF ALL EROSION AND SEDIMENT CONTROL BEST MANAGEMENT PRACTICES SHALL OCCUR ON A WEEKLY BASIS, BEFORE ANY ANTICIPATED PRECIPITATION EVENTS, AND AFTER ALL PRECIPITATION EVENTS.
- THE MAXIMUM HEIGHT FOR STOCKPILES SHALL BE 35 FEET. THE MAXIMUM SIDE SLOPE FOR STOCKPILE AREAS SHALL NOT EXCEED 2:1.
- THE ROCK CONSTRUCTION ENTRANCE THICKNESS SHALL BE CONSTANTLY MAINTAINED ON-SITE. A STOCKPILE SHALL BE MAINTAINED ON-SITE FOR THIS PURPOSE. AT THE END OF EACH CONSTRUCTION DAY, ALL SEDIMENT DEPOSITED ON PAVED ROADWAYS SHALL BE REMOVED AND RETURNED TO THE CONSTRUCTION SITE. IN NO CASE SHALL THE SEDIMENT BE WASHED, SHOVELED, OR SWEEP INTO ANY ROADSIDE DITCH, STORM SEWER, OR SURFACE WATER.
- COMPOST FILTER SOCK SHOULD BE INSTALLED AT LEVEL GRADE. BOTH ENDS OF EACH FENCE SECTION SHOULD BE EXTENDED AT LEAST 8 FEET UPSLOPE AT 45 DEGREES TO THE MAIN BARRIER ALIGNMENT. SUPPORT STAKES SHALL BE SPACED AT A MAXIMUM OF 8 FEET. SEDIMENT MUST BE REMOVED WHEN ACCUMULATIONS REACH 1/2 THE ABOVE GROUND HEIGHT OF THE FILTER SOCK.
- ANY FENCE SECTION WHICH HAS BEEN UNDERMINED OR TOPPED MUST BE IMMEDIATELY REPLACED WITH A ROCK FILTER OUTLET. SEDIMENT MUST BE REMOVED WHEN ACCUMULATIONS REACH 1/2 THE HEIGHT OF THE OUTLET.
- EROSION CONTROL BLANKETING SHALL BE INSTALLED ON ALL SLOPES 3H:1V OR STEEPER WITHIN 50 FEET OF A SURFACE WATER AND ON ALL OTHER DISTURBED AREAS SPECIFIED ON THE PLAN MAPS AND/OR DETAIL SHEETS.
- IMMEDIATELY UPON DISCOVERING UNFORESEEN CIRCUMSTANCES POSING THE POTENTIAL FOR ACCELERATED EROSION AND/OR SEDIMENT POLLUTION, THE OPERATOR SHALL IMPLEMENT APPROPRIATE BEST MANAGEMENT PRACTICES TO MINIMIZE THE POTENTIAL FOR EROSION AND SEDIMENT POLLUTION AND NOTIFY PWD AND PA DEP.
- UNTIL THE SITE IS STABILIZED, ALL E&S BMPs SHALL BE MAINTAINED PROPERLY. MAINTENANCE SHALL INCLUDE INSPECTIONS OF ALL E&S BMPs PRIOR TO ANY ANTICIPATED STORM EVENT, AFTER EACH RAINFALL EVENT AND ON A WEEKLY BASIS. ALL PREVENTATIVE AND REMEDIAL MAINTENANCE WORK, INCLUDING CLEAN OUT, REPAIR, REPLACEMENT, REGRADING, RESEEDING, REGRASSING, AND RENEWING, MUST BE PERFORMED IMMEDIATELY. IF THE E&S BMPs FAIL TO PERFORM AS EXPECTED, CLEANUP AND REPAIRS, OR MODIFICATIONS OF THOSE INSTALLED, WILL BE REQUIRED.
- ALL EARTH DISTURBANCES, INCLUDING CLEARING AND GRUBBING, AS WELL AS CUTS AND FILLS, SHALL BE DONE IN ACCORDANCE WITH THE APPROVED E&S PLAN. A COPY OF THE APPROVED DRAWINGS MUST BE AVAILABLE AT THE PROJECT SITE AT ALL TIMES. PWD SHALL BE NOTIFIED OF ANY CHANGES TO THE APPROVED PLAN PRIOR TO IMPLEMENTATION OF THOSE CHANGES. PWD MAY REQUIRE A WRITTEN SUBMITTAL OF THOSE CHANGES FOR REVIEW AND APPROVAL AT ITS DISCRETION.
- AT LEAST THREE (3) DAYS PRIOR TO STARTING ANY EARTH DISTURBANCE ACTIVITIES, OR EXPANDING INTO AN AREA PREVIOUSLY UNMARKED, THE PENNSYLVANIA ONE CALL SYSTEM INC. SHALL BE NOTIFIED AT 1-800-242-1778 FOR THE LOCATION OF EXISTING UNDERGROUND UTILITIES.
- ALL EARTH DISTURBANCE ACTIVITIES SHALL PROCEED IN ACCORDANCE WITH THE SEQUENCE PROVIDED ON THE PLAN DRAWINGS. DEVIATION FROM THAT SEQUENCE MUST BE APPROVED IN WRITING BY PWD AND THE PA DEP PRIOR TO IMPLEMENTATION.
- AREAS TO BE FILLED ARE TO BE CLEARED, GRUBBED, AND STRIPPED OF TOPSOIL TO REMOVE TREES, VEGETATION, ROOTS, AND OTHER OBJECTIONABLE MATERIAL.
- CLEARING, GRUBBING, AND TOPSOIL STRIPPING SHALL BE LIMITED TO THOSE AREAS DESCRIBED IN EACH STAGE OF THE CONSTRUCTION SEQUENCE. GENERAL SITE CLEARING, GRUBBING, AND TOPSOIL STRIPPING MUST NOT COMMENCE IN ANY STAGE OF THE PROJECT UNTIL THE E&S BMPs SPECIFIED BY THE BMP SEQUENCE FOR THAT STAGE HAVE BEEN INSTALLED AND ARE FUNCTIONING AS DESCRIBED IN THIS E&S PLAN.
- AT NO TIME SHALL CONSTRUCTION VEHICLES BE ALLOWED TO ENTER AREAS OUTSIDE THE LIMIT OF DISTURBANCE BOUNDARIES SHOWN ON THE PLAN MAPS. THESE AREAS MUST BE CLEARLY MARKED AND FENCED OFF BEFORE CLEARING AND GRUBBING OPERATIONS BEGIN.
- A LOG SHOWING DATES THAT E&S BMPs WERE INSPECTED AS WELL AS ANY DEFICIENCIES FOUND AND THE DATE THEY WERE CORRECTED SHALL BE MAINTAINED ON THE SITE AND BE MADE AVAILABLE TO PWD AT THE TIME OF INSPECTION.
- ALL SEDIMENT REMOVED FROM BMPs SHALL BE DISPOSED OF IN THE FOLLOWING MANNER: REINTEGRATED ON-SITE
- AREAS WHICH ARE TO BE TOPSOILED SHALL BE SCRAPPED TO A MINIMUM DEPTH OF THREE TO FIVE INCHES—SIX TO FIVE INCHES ON COMPACTED SOILS—PRIOR TO PLACEMENT OF TOPSOIL. AREAS TO BE VEGETATED SHALL HAVE A MINIMUM FOUR INCHES OF TOPSOIL IN PLACE PRIOR TO SEEDING AND MULCHING. FILL OUTSLOPES SHALL HAVE A MINIMUM OF TWO INCHES OF TOPSOIL.
- ALL FILLS SHALL BE COMPACTED AS REQUIRED TO REDUCE EROSION, SLIPPAGE, SETTLEMENT, SUBSIDENCE, OR OTHER RELATED PROBLEMS. FILL INTENDED TO SUPPORT BUILDINGS, STRUCTURES, AND CONDUITS, ETC. SHALL BE COMPACTED IN ACCORDANCE WITH LOCAL REQUIREMENTS OR CODES.
- ALL EARTHEN FILLS SHALL BE PLACED IN COMPACTED LAYERS NOT TO EXCEED NINE INCHES IN THICKNESS.
- FILL MATERIALS SHALL BE FREE OF FROZEN PARTICLES, BRUSH, ROOTS, SOD, OR OTHER FOREIGN OR OBJECTIONABLE MATERIALS THAT WOULD INTERFERE WITH OR PREVENT CONSTRUCTION OF SATISFACTORY FILLS.
- FROZEN MATERIALS OR SOFT, MUCKY, OR HIGHLY COMPRESSIBLE MATERIALS SHALL NOT BE INCORPORATED INTO FILLS.
- FILL SHALL NOT BE PLACED ON SATURATED OR FROZEN SURFACES.
- SEEPS OR SPRINGS ENCOUNTERED DURING CONSTRUCTION SHALL BE HANDLED IN ACCORDANCE WITH THE STANDARD AND SPECIFICATION FOR SUBSURFACE CLEAN UP AND OTHER APPROVED METHOD.
- ALL GRADED AREAS SHALL BE PERMANENTLY STABILIZED IMMEDIATELY UPON REACHING FINISHED GRADE. CUT SLOPES IN COMPETENT BEDROCK AND ROCK FILLS NEED NOT BE VEGETATED.
- IMMEDIATELY AFTER EARTH DISTURBANCE ACTIVITIES CEASE IN ANY AREA OR SUBAREA OF THE PROJECT, THE OPERATOR SHALL STABILIZE ALL DISTURBED AREAS. DURING NON-GERMINATING MONTHS, MULCH OR PROTECTIVE BLANKETING SHALL BE APPLIED AS DESCRIBED IN THE PLAN. AREAS NOT AT FINISHED GRADE, WHICH WILL BE REACTIVATED WITHIN ONE YEAR, MAY BE STABILIZED IN ACCORDANCE WITH THE TEMPORARY STABILIZATION SPECIFICATIONS. THOSE AREAS WHICH WILL NOT BE REACTIVATED WITHIN ONE YEAR SHALL BE STABILIZED IN ACCORDANCE WITH THE PERMANENT STABILIZATION SPECIFICATIONS.
- PERMANENT STABILIZATION IS DEFINED AS A MINIMUM UNIFORM PERENNIAL 70% VEGETATIVE COVER OR OTHER PERMANENT NON-VEGETATIVE COVER WITH A DENSITY SUFFICIENT TO RESIST ACCELERATED EROSION. CUT AND FILL SLOPES SHALL BE CAPABLE OF RESISTING FAILURE DUE TO SLUMPING, SLIDING, OR OTHER MOVEMENTS.
- E&S BMPs SHALL REMAIN FUNCTIONAL AS SUCH UNTIL ALL AREAS TRIBUTARY TO THEM ARE PERMANENTLY STABILIZED OR UNTIL THEY ARE REPLACED BY ANOTHER BMP APPROVED BY PWD AND PA DEP.
- AFTER FINAL SITE STABILIZATION HAS BEEN ACHIEVED, TEMPORARY E&S BMPs MUST BE REMOVED OR CONVERTED TO PERMANENT POST-CONSTRUCTION STORMWATER MANAGEMENT PRACTICES. AREAS DISTURBED DURING REMOVAL OR CONVERSION OF THE E&S BMPs SHALL BE STABILIZED IMMEDIATELY. IN ORDER TO ENSURE RAPID REVEGETATION OF DISTURBED AREAS, SUCH REMOVAL/CONVERSIONS ARE TO BE DONE ONLY DURING THE GERMINATING SEASON.

CLEAN FILL & ENVIRONMENTAL DUE DILIGENCE NOTE :

IF THE SITE WILL NEED TO IMPORT OR EXPORT MATERIAL FROM THE SITE, THE RESPONSIBILITY FOR PERFORMING ENVIRONMENTAL DUE DILIGENCE AND DETERMINATION OF CLEAN FILL WILL REST WITH THE CONTRACTOR.

CLEAN FILL IS DEFINED AS: UNCONTAMINATED, NON-WATER SOLUBLE, NON-DECOMPOSABLE, INERT, SOLID MATERIAL. THE TERM INCLUDES SOIL, ROCK, STONE, DREDGED MATERIAL, USED ASPHALT, AND BRICK, BLOCK OR CONCRETE FROM CONSTRUCTION AND DEMOLITION ACTIVITIES THAT IS SEPARATE FROM OTHER WASTE AND IS RECOGNIZABLE AS SUCH. THE TERM DOES NOT INCLUDE MATERIALS PLACED IN OR ON THE WATERS OF THE COMMONWEALTH UNLESS OTHERWISE AUTHORIZED. (THE TERM "USED ASPHALT" DOES NOT INCLUDE MILLED ASPHALT OR ASPHALT THAT HAS BEEN PROCESSED FOR RE-USE).

CLEAN FILL AFFECTED BY A SPILL OR RELEASE OF A REGULATED SUBSTANCE: FILL MATERIALS AFFECTED BY A SPILL OR RELEASE OF A REGULATED SUBSTANCE STILL QUALIFIES AS CLEAN FILL PROVIDED THE TESTING REVEALS THAT THE FILL MATERIAL CONTAINS CONCENTRATIONS OF REGULATED SUBSTANCES THAT ARE BELOW THE RESIDENTIAL LIMITS IN TABLES FP-1A AND FP-1B FOUND IN THE DEPARTMENT'S POLICY MANAGEMENT OF FILL.

ANY PERSON PLACING CLEAN FILL THAT HAS BEEN AFFECTED BY A SPILL OR RELEASE OF A REGULATED SUBSTANCE MUST USE FORM FP-001 TO CERTIFY THE ORIGIN OF THE FILL MATERIAL AND THE RESULTS OF THE ANALYTICAL TESTING TO QUALIFY THE MATERIAL AS CLEAN FILL. FORM FP-001 MUST BE RETAINED BY THE OWNER OF THE PROPERTY RECEIVING THE FILL. A COPY OF FORM FP-001 CAN BE FOUND AT THE END OF THESE INSTRUCTIONS.

ENVIRONMENTAL DUE DILIGENCE: THE APPLICANT MUST PERFORM ENVIRONMENTAL DUE DILIGENCE TO DETERMINE IF THE FILL MATERIALS ASSOCIATED WITH THE PROJECT QUALIFY AS CLEAN FILL. ENVIRONMENTAL DUE DILIGENCE IS: INVESTIGATIVE TECHNIQUES, INCLUDING, BUT NOT LIMITED TO, VISUAL PROPERTY INSPECTIONS, ELECTRONIC DATA BASE SEARCHES, REVIEW OF PROPERTY OWNERSHIP, REVIEW OF PROPERTY USE HISTORY, SANBORN MAPS, ENVIRONMENTAL QUESTIONNAIRES, TRANSACTION SCREENS, ANALYTICAL TESTING, ENVIRONMENTAL ASSESSMENTS OR AUDITS. ANALYTICAL TESTING IS NOT A REQUIRED PART OF DUE DILIGENCE UNLESS VISUAL INSPECTION AND/OR REVIEW OF THE PAST LAND USE OF THE PROPERTY INDICATES THAT THE FILL MAY HAVE BEEN SUBJECTED TO A SPILL OR RELEASE OF REGULATED SUBSTANCE. IF THE FILL MAY HAVE BEEN AFFECTED BY A SPILL OR RELEASE OF A REGULATED SUBSTANCE, IT MUST BE TESTED TO DETERMINE IF IT QUALIFIES AS CLEAN FILL. TESTING SHOULD BE PERFORMED IN ACCORDANCE WITH APPENDIX A OF THE DEPARTMENT'S POLICY "MANAGEMENT OF FILL".

FILL MATERIAL THAT DOES NOT QUALIFY AS CLEAN FILL IS REGULATED FILL. REGULATED FILL IS WASTE AND MUST BE MANAGED IN ACCORDANCE WITH THE DEPARTMENT'S MUNICIPAL OR RESIDUAL WASTE REGULATIONS BASED ON 25 PA. CODE CHAPTERS 287 RESIDUAL WASTE MANAGEMENT OR 271 MUNICIPAL WASTE MANAGEMENT, WHICHEVER IS APPLICABLE. THESE REGULATIONS ARE AVAILABLE ON-LINE AT [WWW.PADCODE.COM](http://www.padcode.com). REFER TO ENVIRONMENTAL COORDINATION SPECIFICATION 01110.

LAWN SEEDING / LAWN RESTORATION NOTES:

- APPLY LAWN SEED TO ALL AREAS INDICATED ON PLAN AND ALL AREAS DISTURBED BY CONSTRUCTION.
- ALL LAWN AREAS TO BE SEED TO RECEIVE 4" MINIMUM DEPTH OF TOPSOIL (DEPTH AFTER SETTLEMENT AND WATERING).
- EXISTING TOPSOIL ON SITE MAY BE UNSUITABLE FOR REUSE. CONTRACTOR MUST PROVIDE IMPORTED TOPSOIL OR AMEND EXISTING TOPSOIL TO MEET REQUIREMENTS OUTLINED IN THE SPECIFICATIONS. CONTRACTOR MUST SUBMIT SOIL TEST ANALYSIS REPORT, INCLUDING AMENDMENT RECOMMENDATIONS, FOR EITHER IMPORTED TOPSOIL OR AMENDED EXISTING TOPSOIL. TOPSOIL MUST BE AMENDED AND RETESTED PRIOR TO PLANTING OPERATIONS.
- MULCH ALL SEEDED AREAS WITH CLEAN STRAW.
- WATER AND MAINTAIN ALL SEEDED AREAS PER SPECIFICATIONS.
- RESEED BARE OR THIN AREAS AS DIRECTED BY THE LANDSCAPE ARCHITECT/ENGINEER.
- LAWN SEED MIX: SEED MIX SPECIFICALLY FORMULATED FOR HIGH USE LAWN AREAS, WITH A COMPLETE MICROBIAL SEED TREATMENT PACKAGE (MYCO) AND SEED COATING SYSTEM FOR GERMINATION: PENNINGTON SMART SEED PRO ATHLETIC FIELD MIX, OR APPROVED EQUAL, APPLIED AT 1.850 LBS. 1000 SQ. FT.
- SEE SPECIFICATIONS FOR MORE INFORMATION.

CONSTRUCTION/DEMOLITION/EARTHWORK DUST CONTROL REQUIREMENTS:

- CONTRACTOR IS RESPONSIBLE FOR ALL CITY OF PHILADELPHIA DUST CONTROL REQUIREMENTS INCLUDING PERMITS AND NOTIFICATIONS. REFER TO WWW.PHILA.GOV/DOCUMENTS/DUST-CONTROL-FORMS-AND-REGULATIONS.
- DURING CONSTRUCTION ACTIVITIES, CONTRACTOR IS TO SPRAY EXPOSED SOIL WITH WATER DAILY, UNTIL PERMANENTLY TO PREVENT DUST GENERATION AND TRANSPORT. DUST CONTROL MEASURES ARE TO BE CONTINUED UNTIL PERMANENT STABILIZATION IS ACHIEVED ON SITE.

MAINTENANCE :

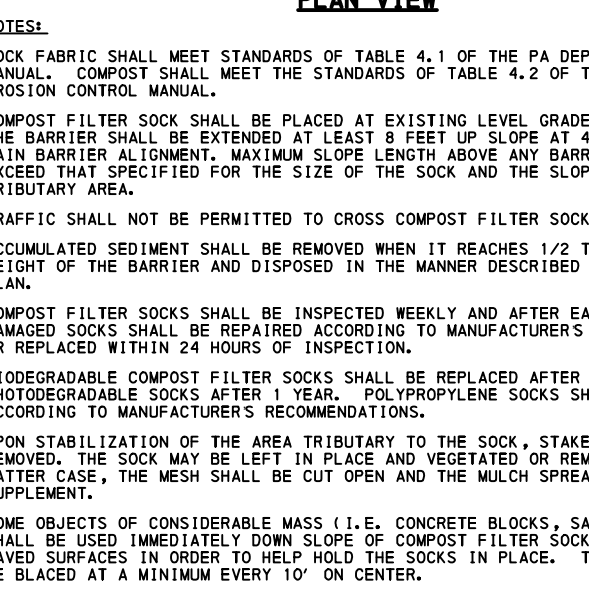
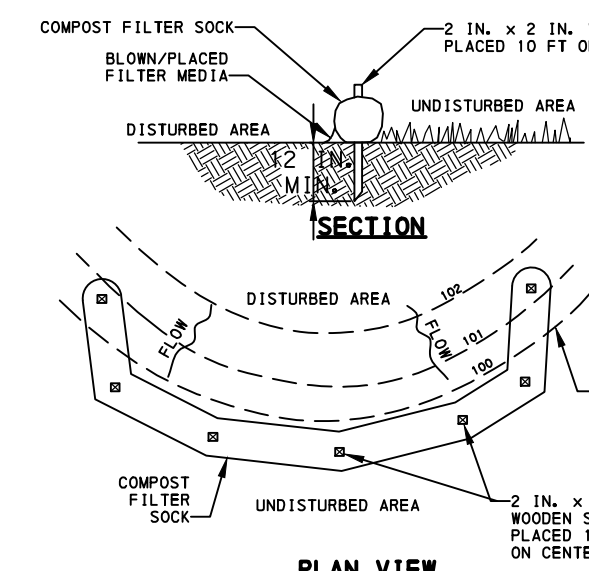
- UNTIL THE SITE IS STABILIZED, ALL EROSION AND SEDIMENTATION BMPs MUST BE MAINTAINED PROPERLY. MAINTENANCE MUST INCLUDE INSPECTIONS OF ALL EROSION AND SEDIMENTATION BMPs BEFORE AND AFTER EACH RAINFALL EVENT AND ON A WEEKLY BASIS. ALL SITE INSPECTIONS WILL BE DOCUMENTED IN THIS PURPOSE, INCLUDING THE COMPLIANCE ACTIONS AND THE DATE, TIME AND NAME OF THE PERSON CONDUCTING THE INSPECTION. THE INSPECTION LOG WILL BE KEPT ON SITE AT ALL TIMES AND MADE AVAILABLE TO PWD UPON REQUEST.
- ALL PREVENTATIVE AND REMEDIAL MAINTENANCE WORK, INCLUDING CLEAN OUT, REPAIR, REPLACEMENT, REGRADING, REMULCHING AND RENEWING, MUST BE PERFORMED IMMEDIATELY. IF EROSION AND SEDIMENTATION BMPs FAIL TO PERFORM AS EXPECTED, REPLACEMENT BMPs OR MODIFICATIONS OF THOSE INSTALLED WILL BE REQUIRED.
- SEEDED AREAS THAT HAVE WASHED AWAY SHALL BE FILLED AND GRADED, AS NECESSARY, AND THEN RESEED. A STRAW COVER SHALL BE APPLIED TO RETAIN THE SEED ALONG WITH AN ANCHORING MULCH OR ANCHORING FENCE, UNTIL IT HAS A CHANCE TO ROOT PROPERLY.
- WHERE BMPs ARE FOUND TO FAIL, TO ALLEVIATE EROSION OR SEDIMENT POLLUTION THE PERMITTEE OR CO-PERMITTEE SHALL INCLUDE THE FOLLOWING INFORMATION:
 - THE LOCATION AND SEVERITY OF THE BMPs FAILURE AND ANY POLLUTION EVENTS.
 - ALL STEPS TAKEN TO REDUCE, ELIMINATE AND PREVENT THE RECURRING OF THE NON-COMPLIANCE.
 - THE TIME FRAME TO CORRECT THE NON-COMPLIANCE, INCLUDING THE EXACT DATES WHEN THE ACTIVITY WILL RETURN TO COMPLIANCE.
- AFTER FINAL SITE STABILIZATION HAS BEEN ACHIEVED, TEMPORARY EROSION AND SEDIMENT BMPs MUST BE REMOVED. AREAS DISTURBED DURING REMOVAL OF THE BMPs MUST BE STABILIZED IMMEDIATELY.
- BEFORE INITIATING ANY REVISION TO THE APPROVED EROSION AND SEDIMENT CONTROL PLAN OR REVISIONS TO OTHER PLANS WHICH MAY AFFECT THE EFFECTIVENESS OF THE APPROVED E&S CONTROL PLAN, THE OPERATOR MUST RECEIVE APPROVAL OF THE REVISIONS FROM THE PHILADELPHIA WATER DEPARTMENT. THE OPERATOR SHALL ASSURE THAT THE APPROVED EROSION AND SEDIMENT CONTROL PLAN IS PROPERLY AND COMPLETELY IMPLEMENTED, IMMEDIATELY UPON DISCOVERING UNFORESEEN CIRCUMSTANCES POSING THE POTENTIAL FOR ACCELERATED EROSION AND/OR SEDIMENT POLLUTION. THE OPERATOR SHALL IMPLEMENT APPROPRIATE BEST MANAGEMENT PRACTICES TO ELIMINATE POTENTIAL FOR ACCELERATED EROSION AND/OR SEDIMENT POLLUTION.
- ALL PUMPING OF SEDIMENT LADEN WATER OR POTENTIALLY SEDIMENT LADEN WATER SHALL BE THROUGH A SEDIMENT CONTROL BMP, AND FILTRATION SYSTEM, DISCHARGED OVER NON-DISTURBED AREAS.
- IF DEWATERING OR PUMPING OF GROUNDWATER MUST DISCHARGE TO CITY OWNED INFRASTRUCTURE, CONTRACTOR SHALL OBTAIN AN INDUSTRIAL DISCHARGE PERMIT THROUGH THE INDUSTRIAL WASTE UNIT. DISCHARGE MUST BE CONNECTED DIRECTLY TO A COMBINED OR SANITARY SEWER LATERAL.
- PWD SHALL BE RESPONSIBLE FOR ANY CLEANUP OR REPAIRS NEEDED ON CITY-OWNED INFRASTRUCTURE OR REPAIRS DUE TO FAILURE OF APPROVED EROSION CONTROL MEASURES OF CITY OWNED INFRASTRUCTURE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL CLEANUP AND REPAIRS DUE TO FAILURE OF APPROVED EROSION CONTROL MEASURES.
- IF CONTAMINATED SOILS ARE ENCOUNTERED DURING CONSTRUCTION, CONTACT OWNER.

TEMPORARY EROSION AND SEDIMENT CONTROL:

- COMPOST FILTER SOCK SHALL BE INSTALLED DOWNSLOPE OF ALL AREAS TO BE DISTURBED BEFORE ANY WORK BEGINS. COMPOST FILTER SOCK AND ROCK FILTER SOCKS SHALL BE INSTALLED AS NEAR AS POSSIBLE TO THE LOCATIONS SHOWN ON THE PLAN. COMPOST FILTER SOCK SHOULD BE INSTALLED AT LEVEL GRADE. BOTH ENDS OF EACH FENCE SECTION SHOULD BE EXTENDED AT LEAST 8 FEET UPSLOPE AT 45 DEGREES TO THE MAIN BARRIER ALIGNMENT. SUPPORT STAKES SHALL BE SPACED AT A MAXIMUM OF 8 FEET. SEDIMENT MUST BE REMOVED WHEN ACCUMULATIONS REACH 1/2 THE ABOVE GROUND HEIGHT OF THE FILTER FENCE.
- STOCKPILED TOPSOIL MOUNDS SHALL BE STABILIZED BY APPLYING TEMPORARY SEED AND A PERIMETER SILT FENCE SHALL BE INSTALLED AROUND EACH MOUND. TEMPORARY SEEDING SHALL BE PER PENNDOT FORM 408, SECTION 804(B).
- ALL STABILIZED CONSTRUCTION ENTRANCES SHALL BE INSTALLED AS NEAR AS POSSIBLE TO THE LOCATION SHOWN ON THE PLAN. THE ROCK CONSTRUCTION ENTRANCE THICKNESS SHALL BE CONSTANTLY MAINTAINED ON-SITE. A STOCKPILE SHALL BE MAINTAINED ON SITE FOR THIS PURPOSE. AT THE END OF EACH CONSTRUCTION DAY, ALL SEDIMENT DEPOSITED ON PAVED ROADWAYS SHALL BE REMOVED AND RETURNED TO THE CONSTRUCTION SITE.
- FREQUENT INSPECTION SHALL BE MADE ON THE FILTER FABRIC FENCE. DAMAGED FENCES SHALL BE IMMEDIATELY REPLACED. SEDIMENT MUST BE REMOVED WHERE ACCUMULATIONS REACH 1/2 THE ABOVE GROUND HEIGHTS OF FENCE. SILT FENCE WHICH HAS BEEN TOPPED OR UNDERMINED IS TO BE REPLACED WITH A ROCK FILTER OUTLET. SEDIMENT MUST BE REMOVED WHEN ACCUMULATIONS REACH 1/3 THE HEIGHT OF THE OUTLET.

SEQUENCE OF CONSTRUCTION:

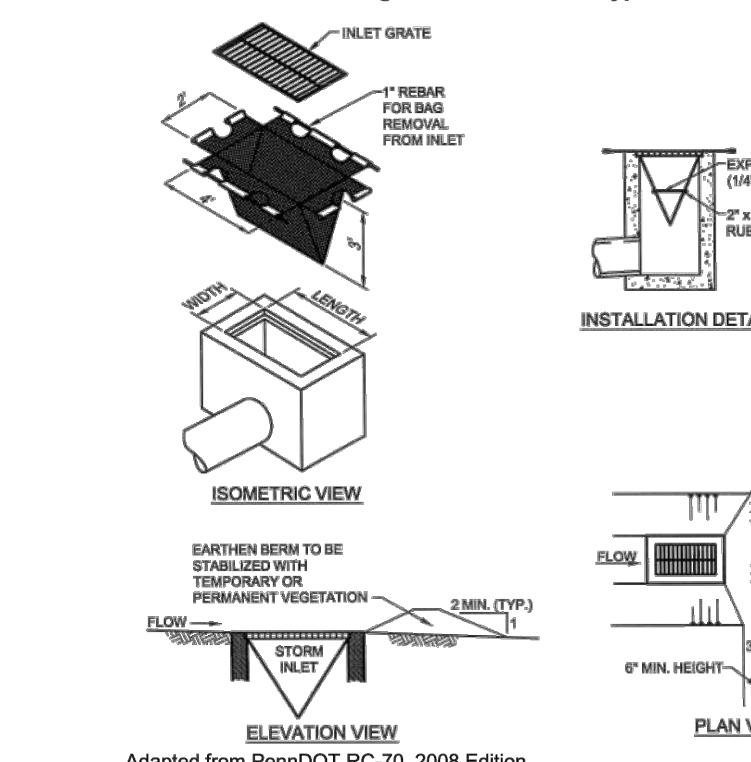
- AT LEAST SEVEN (7) DAYS PRIOR TO ANY EARTH DISTURBANCE, THE INSPECTIONS COORDINATOR OF PWD (OFFICE 215-685-6387) MUST BE CALLED TO SCHEDULE A PRECONSTRUCTION MEETING.
- CONSTRUCTION WILL BEGIN UPON RECEIPT OF ALL NECESSARY APPROVALS AND PERMITS FROM ALL APPLICABLE GOVERNMENTAL AGENCIES. CONTRACTOR MUST CONTACT UNDERGROUND UTILITIES AS PER ACT 58, NOT LESS THAN THREE DAYS NOR MORE THAN TEN WORKING DAYS BEFORE COMMENCING WITH ANY EARTHWORK OR CONSTRUCTION. CONDUCT A PRECONSTRUCTION MEETING WITH OWNER, PWD AND ENGINEER PRIOR TO ANY DISTURBANCE.
- ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE "PROVISIONS OF CHAPTER 102, EROSION CONTROL OF THE ADMINISTRATIVE CODE TITLE 25 OF THE STATE OF PENNSYLVANIA".
- ACCESS TO THIS SITE WILL BE LIMITED TO THE CONSTRUCTION ENTRANCES SHOWN ON THE EROSION AND SEDIMENT CONTROL PLAN.
- PRIOR TO PROCEEDING WITH CONSTRUCTION, CONFIRM LOCATION AND ELEVATION OF EXISTING UTILITIES. MAINTAIN AND PROTECT EXISTING UTILITIES TO REMAIN. COORDINATE CUTTING AND CAPPING OF UTILITIES TO BE REMOVED WITH THE UTILITY OWNERS.
- CAREFULLY REMOVE ALL ELEMENTS TO BE SALVAGED DOWN THE DIRECTION OF THE OWNER.
- INSTALL E&S MEASURES TO PROTECT EXISTING IMPROVEMENTS AND VEGETATION TO REMAIN.
- INSTALL ROCK CONSTRUCTION ENTRANCE AS SHOWN ON PLAN. AFTER CONSTRUCTION ENTRANCES HAVE BEEN INSTALLED, INSTALL ALL COMPOST FILTER SOCK AND SILT FENCE.
- INSTALL COFFERDAM IN THE RIVER AND THE LIMITS OF REPAIR AS INDICATED.
- BEGIN WALL REPAIR ACTIVITIES INCLUDING REMOVING VEGETATION FROM THE WALL (REMOVING AND RESETTING STONE AS NEEDED), PERFORMING GROUT INJECTION REPAIRS TO FILL THE VOIDS UNDER THE TIMBER CRIBBING, REPOINTING THE MASONRY WALL AND INSTALLING ROCK PROTECTION.
- ENCASE CONTAMINATED SOIL (IF FOUND) DIRECTLY INTO TRUCK FOR HAULING. SOIL CAN NOT BE STORED ON SITE. GROUNDWATER TO BE PUMPED INTO FRAC TANK WITH SEDIMENT FILTER. CONTRACTOR TO OBTAIN PROPER PERMITS FROM PWD FOR DISCHARGE OF GROUNDWATER INTO CITY SEWER SYSTEM.
- CONSTRUCT STOCKPILES FOR CLEAN FILL IF NECESSARY.
- DURING DEMOLITION, ALL DISTURBANCE AREAS ON WHICH ACTIVITIES HAVE CEASED MUST BE STABILIZED WITH TEMPORARY OR PERMANENT STABILIZATION IMMEDIATELY. DURING NON-GERMINATION PERIODS, MULCH MUST BE APPLIED AT THE SPECIFIC RATE NOTED ON THE DRAWINGS.
- WATER PUMPED FROM WORK AREAS SHOULD BE TREATED FOR SEDIMENT REMOVAL PRIOR TO DISCHARGING TO A "SURFACE WATER".
- REMOVAL OF TEMPORARY E&S CONTROLS WILL OCCUR ONLY WHEN THE TRIBUTARY AREA TO THAT CONTROL HAS ESTABLISHED A MINIMUM OF 70% UNIFORM COVERAGE OF VEGETATION OF DISTURBED AREAS AND/OR 100% COVERAGE BY PAVING OR BUILDING CONSTRUCTION.
- REMOVE COFFERDAM ONCE THE WALL REPAIRS ARE COMPLETED.
- SEED AND RESTORE DISTURBED AREAS AS INDICATED.
- UPON COMPLETION OF ALL EARTH DISTURBANCE ACTIVITIES AND PERMANENT STABILIZATION OF ALL DISTURBED AREAS, THE OWNER AND/OR OPERATOR SHALL CONTACT INSPECTION COORDINATOR FOR PWD (OFFICE: 215-685-6387) FOR A FINAL INSPECTION PRIOR TO REMOVAL/CONVERSION OF THE E&S BMPs.



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 UPSLOPE AT 45 DEGREES TO THE MAIN BARRIER ALIGNMENT. MAXIMUM SLOPE LENGTH ABOVE ANY BARRIER SHALL NOT EXCEED 10 FEET, 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 RAINFALL 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 RECOMMENDATION.
 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.
 SOME OBJECTS OF CONSIDERABLE SIZE (I.E. CONCRETE BLOCKS, SANDBAGS, ETC.) SHALL BE USED IMMEDIATELY UPON INSTALLATION OF COMPOST FILTER SOCKS. PLACED ON PAVED SURFACES IN ORDER TO HELP HOLD THE SOCKS IN PLACE. THE OBJECT SHALL BE BLACED AT A MINIMUM EVERY 10' ON CENTER.

DETAIL- COMPOST FILTER SOCK
N.T.S.

STANDARD CONSTRUCTION DETAIL # 4-16
Filter Bag Inlet Protection - Type M Inlet



Adapted from PennDOT RC-70, 2008 Edition

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.

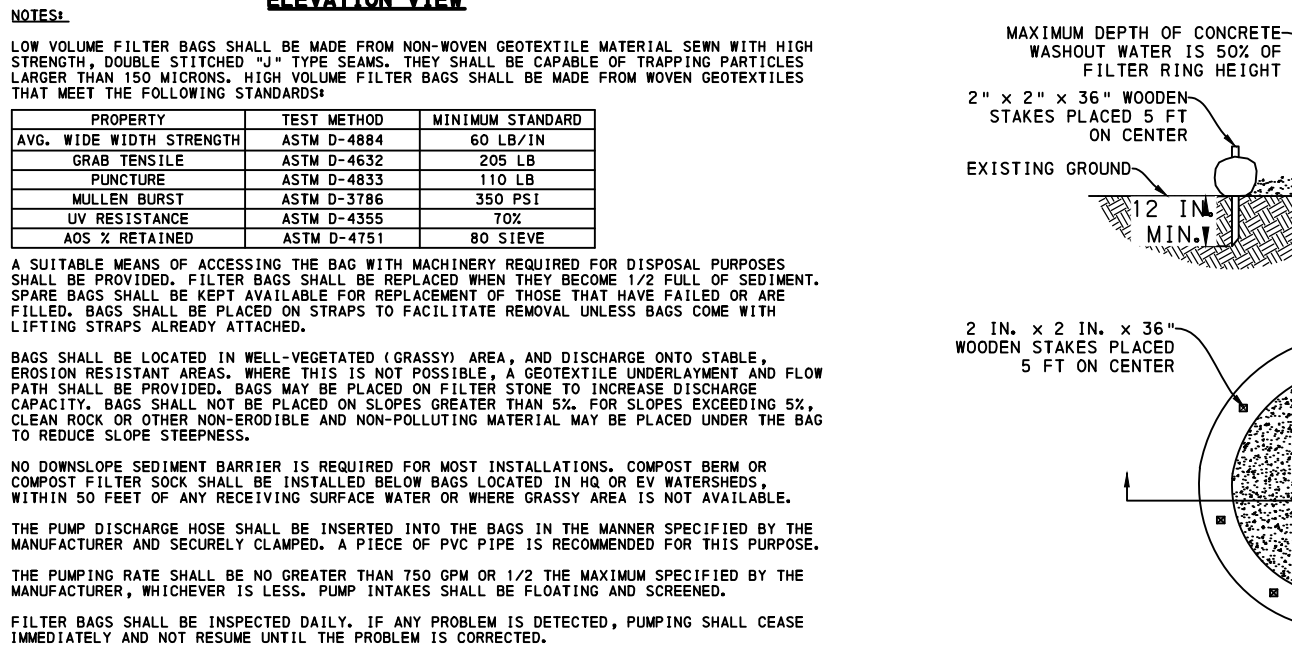
Roller earthen berm in roadway shall be maintained until roadway is stoned. Road subbase berm on roadway shall be maintained until roadway is paved. Earthen berm in channel shall be maintained until permanent stabilization is completed or permanent stabilization is completed.

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.

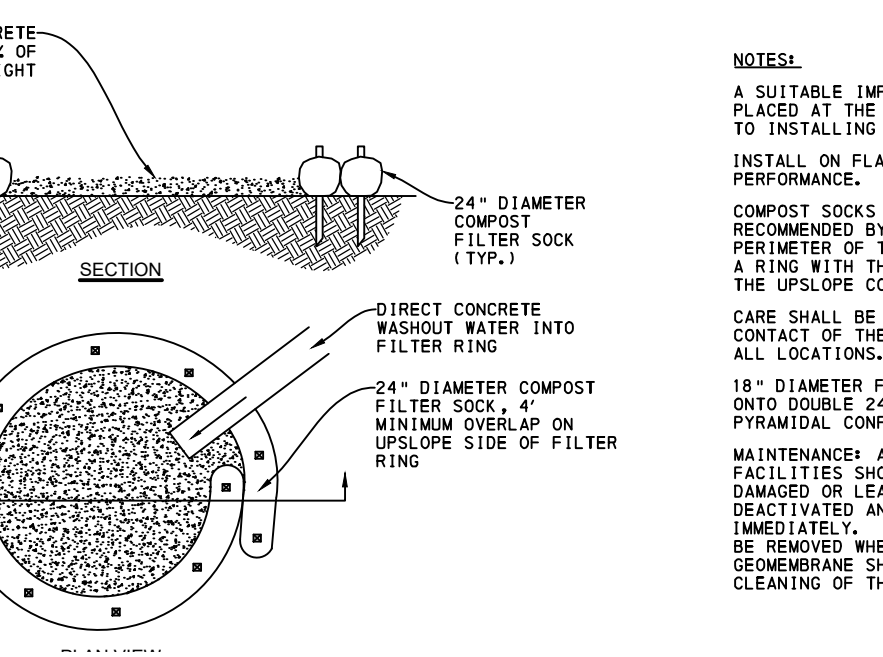
Inlet filter bags shall be inspected on a weekly basis and after each runoff event. Bags shall be emptied and rinsed or replaced when half full or when flow capacity has been reduced so as to cause flooding or bypassing of the inlet. Damaged or clogged bags shall be replaced. A supply shall be maintained 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- INLET PROTECTION - TYPE M INLET
N.T.S.



DETAIL- PUMPED WATER FILTER BAG
N.T.S.



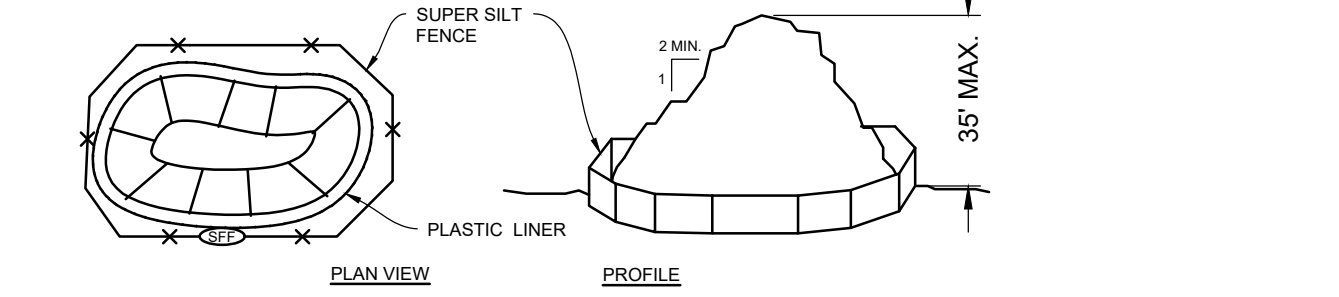
DETAIL- CONCRETE WASHOUT
N.T.S.

TABLE 4.2
Compost Standards

Organic Matter Content	25%-100% (dry weight basis)
Organic Portion	Fibrous and elongated
pH	5.5-8.5
Moisture Content	30%-60%
Particle Size	30%-50% pass through 3/8" sieve
Soluble Salt Concentration	5.0 dS/m (mmhos/cm) Maximum

TABLE 4.1
Compost Sock Fabric Minimum Specifications

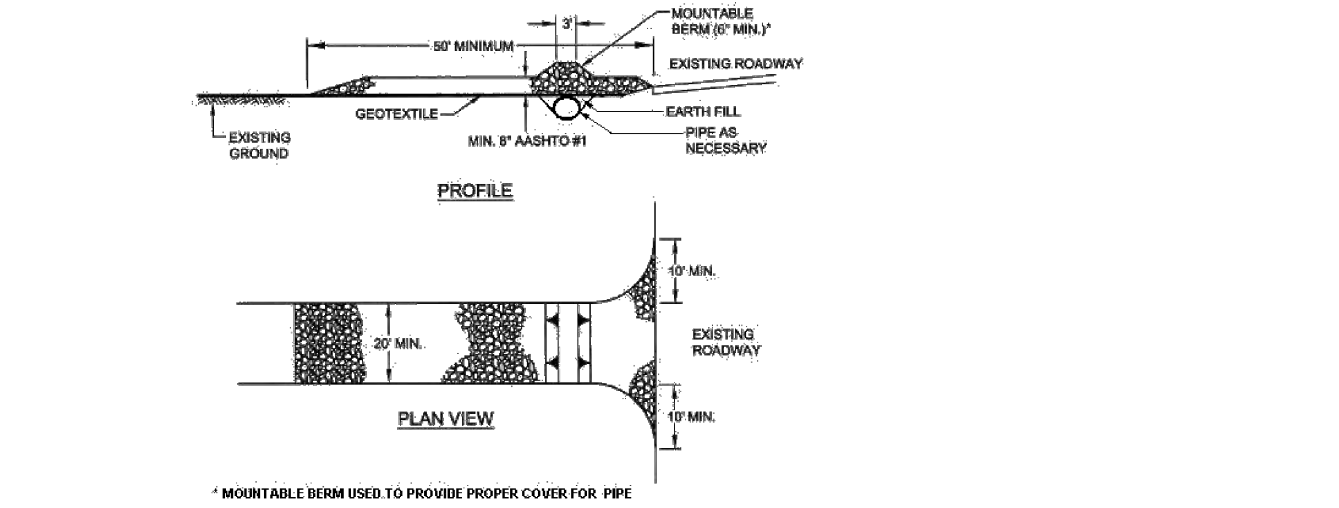
Material Type	3 mil HDPE	5 mil HDPE	5 mil HDPE	Multi-Filament Polypropylene (MFPP)	Heavy Duty Multi-Filament Polypropylene (HDMFPP)
Material Characteristics	Photo-degradable	Photo-degradable	Bio-degradable	Photo-degradable	Photo-degradable
Sock Diameters	12" 18"	12" 18" 24" 32"	12" 18" 24" 32"	12" 18" 24" 32"	12" 18" 24" 32"
Mesh Opening	3/8"	3/8"	3/8"	3/8"	1/8"
Tensile Strength		26 psi	26 psi	44 psi	202 psi
Ultraviolet Stability % Original Strength (ASTM G-155)	23% at 1000 hr.	23% at 1000 hr.		100% at 1000 hr.	100% at 1000 hr.
Minimum Functional Longevity	6 months	9 months	6 months	1 year	2 years
Two-ply systems					
HDPE biaxial net					
Continuously wound					
Fusion-welded junctures					
3/4" X 3/4" Max. aperture size					
Composite Polypropylene Fabric					
(Woven layer and non-woven fleeces mechanically fused via needle punch)					
3/16" Max. aperture size					
Sock fabrics composed of burlap may be used on projects lasting 6 months or less.					
Filtrexx & JMD					



- NOTES:**
- SILT FENCE SHALL BE PLACED AROUND THE PERIMETER OF ALL STOCKPILES.
 - IMMEDIATELY APPLY TEMPORARY SEEDING TO ALL STOCKPILES WHICH WILL REMAIN IN PLACE 20 DAYS OR MORE. TEMPORARY SEEDING SHALL BE PER PENNDOT FORM 408, SECTION 804(B).
 - PLASTIC LINER TO BE INSTALLED BELOW TEMPORARY TOPSOIL STOCKPILES FOR SOILS FOUND OR SUSPECTED TO BE CONTAMINATED.

DETAIL- TEMPORARY STOCKPILE
N.T.S.

STANDARD CONSTRUCTION DETAIL # 3-1
Rock Construction Entrance



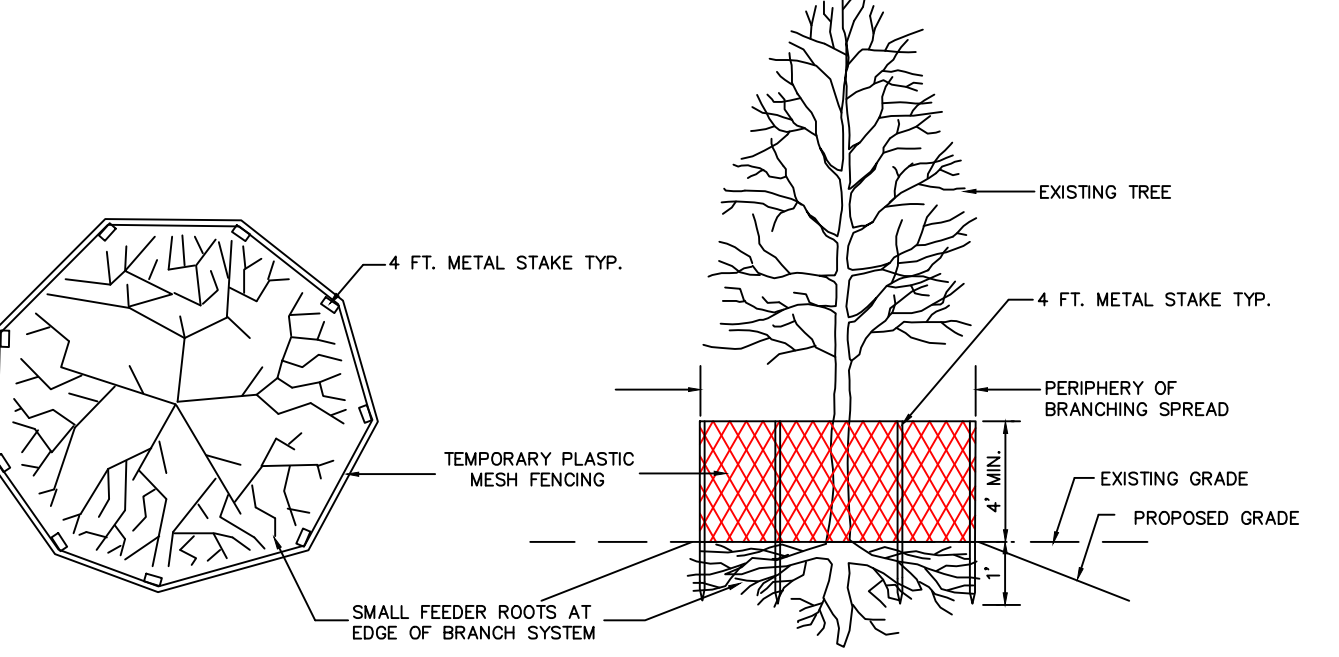
Remove topsoil prior to installation of rock construction entrance. Extend rock over full width of entrance.

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.

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.



DETAIL- TEMPORARY CONSTRUCTION/TREE PROTECTION FENCE
N.T.S.

Pennoni

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

RENOVATION OF THE EAST SCHUYLKILL RIVER WALL AT REVIEWING STANDS
 PHILADELPHIA, PA
ERSA EROSION AND SEDIMENT CONTROL DETAILS AND NOTES
 CITY OF PHILADELPHIA
 1515 ARCH STREET, 11TH FLOOR
 PHILADELPHIA, PA 19102

NO.	DATE	ERSA REVISION	ED	BY	REVISIONS
3	2021-03-17	ERSA REVISION			
2	2021-01-08	ERSA SUBMISSION			
1	2020-11-19	ERSA REVISION			

PROJECT: **PHILP18003**

DATE: **2019-09-05**

DRAWING SCALE: **AS SHOWN**

DRAWN BY: **SDS/SPG**

APPROVED BY: **EKN**

C-500