

DOVER TOWNSHIP BOARD OF SUPERVISORS  
YORK COUNTY, PA  
EAST CANAL STORM SEWER REPLACEMENT

PUBLIC UTILITY FILING - ACT 50 OF 2017

COMPANY: ADAMS ELECTRIC COOPERATIVE INC  
ADDRESS: 1380 BIGLERVILLE RD  
GETTYSBURG, PA. 17325  
CONTACT: TOM MCMASTER  
EMAIL: tomm@adamsec.coop  
PHONE: 717-338-1097

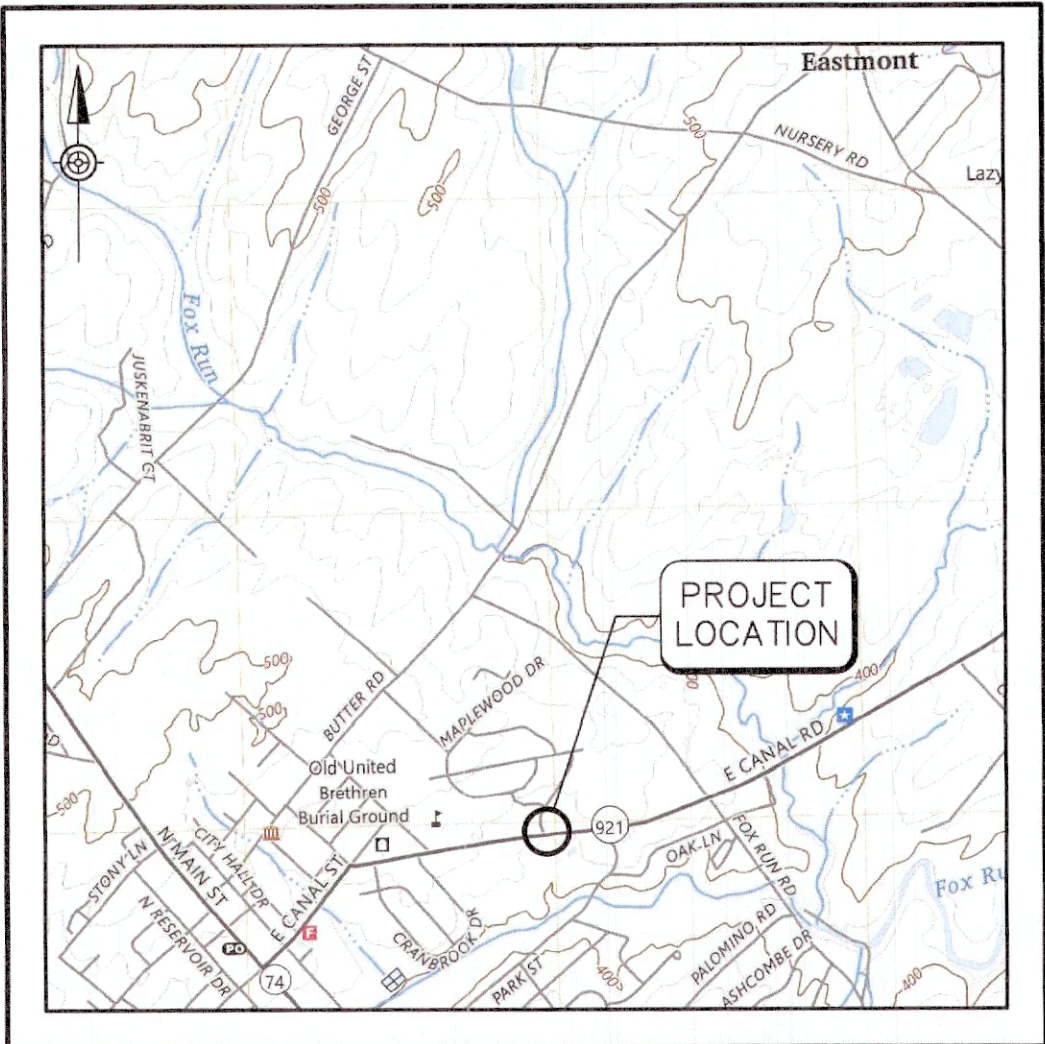
COMPANY: COLUMBIA GAS OF PA INC  
ADDRESS: 1600 DUBLIN RD  
COLUMBUS, OH. 43215  
CONTACT: USA COLLINS  
EMAIL: ldugon@source.com  
PHONE: 614-325-5961

COMPANY: COMCAST  
ADDRESS: C/O USIC LOCATING SERVICES INC  
13085 HAMILTON CROSSING BLVD SUITE 200  
GARMEL, IN. 46032  
CONTACT: USIC PERSONNEL  
PHONE: 800-762-0592 EXT. 3

COMPANY: FIRSTENERGY CORPORATION  
ADDRESS: 21 S MAIN ST  
AKRON, OH. 44308  
CONTACT: MELLYSSA ADAMS  
EMAIL: madams@firstenergycorp.com  
PHONE: 330-604-4073

COMPANY: DOVER TOWNSHIP  
ADDRESS: 2480 W CANAL RD  
DOVER, PA. 17315  
CONTACT: NATHAN STONE  
EMAIL: nstone@dovertownship.org  
PHONE: 717-292-3634

COMPANY: VERIZON NORTH  
ADDRESS: 37 W 8TH ST  
WYOMING, PA. 18644  
CONTACT: RONALD SILINSKIE  
EMAIL: RONALD.SILINSKIE@VERIZON.COM  
PHONE: 570-826-4263



LOCATION MAP  
Scale: 1"=2000'








SHEET INDEX

SHEET NO.	DESCRIPTION
1.	COVER SHEET
2.	SITE PLAN AND PROFILE
3.	NOTES
4.	DETAILS

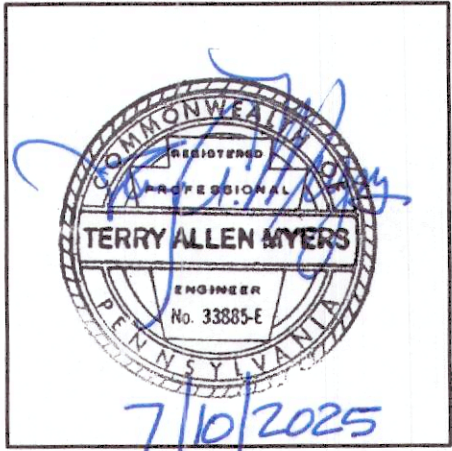
LEGEND (PROPOSED)

DESCRIPTION		DESCRIPTION
405	INDEX CONTOUR LINE (5')	SLOPP
406	CONTOUR LINE (1')	RIP-RAP
	TEMPORARY CONSTRUCTION EASEMENT	CONCRETE
	PERMANENT CONSTRUCTION EASEMENT	ROCK CONSTRUCTION ENTRANCE
18CFS	COMPOST FILTER SOCK	

LEGEND (Existing)

DESCRIPTION		DESCRIPTION	
Right of Way Line	_____	Centerline	
Property Line	_____	Storm Pipe	
Easement Line	_____	Edge of Driveway	
405 _____	Index Contour Line (5')	S _____	Sewer Line
406 _____	Contour Line (1')	G _____	Gas Line
Traffic Line	_____		
Tree Line	_____	 Stump	 Deciduous Tree
Building		 Storm Sewer Inlet	 IP FND
		 Sanitary Sewer Manhole	 Cleanout

ENGINEER'S PROJECT NO. 1619.5.24.02  
FEBRUARY 3, 2025



**C.S. DAVIDSON, INC.**  
ENGINEERING A BETTER COMMUNITY

38 NORTH DUKE STREET, YORK, PA • PHONE (717) 846-4805  
50 WEST MIDDLE STREET, GETTYSBURG, PA • PHONE (717) 337-3021  
315 W. JAMES STREET, SUITE 102, LANCASTER, PA • PHONE (717) 481-2991  
WWW.CSDAVIDSON.COM

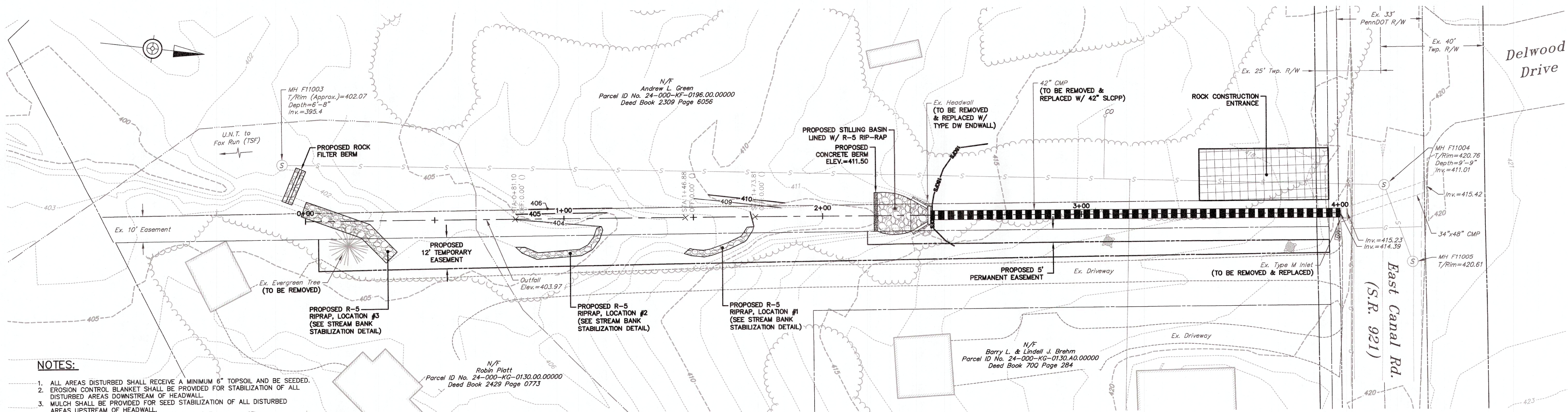


PENNSYLVANIA ONE CALL SYSTEM, INC.  
DESIGN STAGE NOTIFICATION  
(10/9/2024)  
SERIAL NO. 20242833842

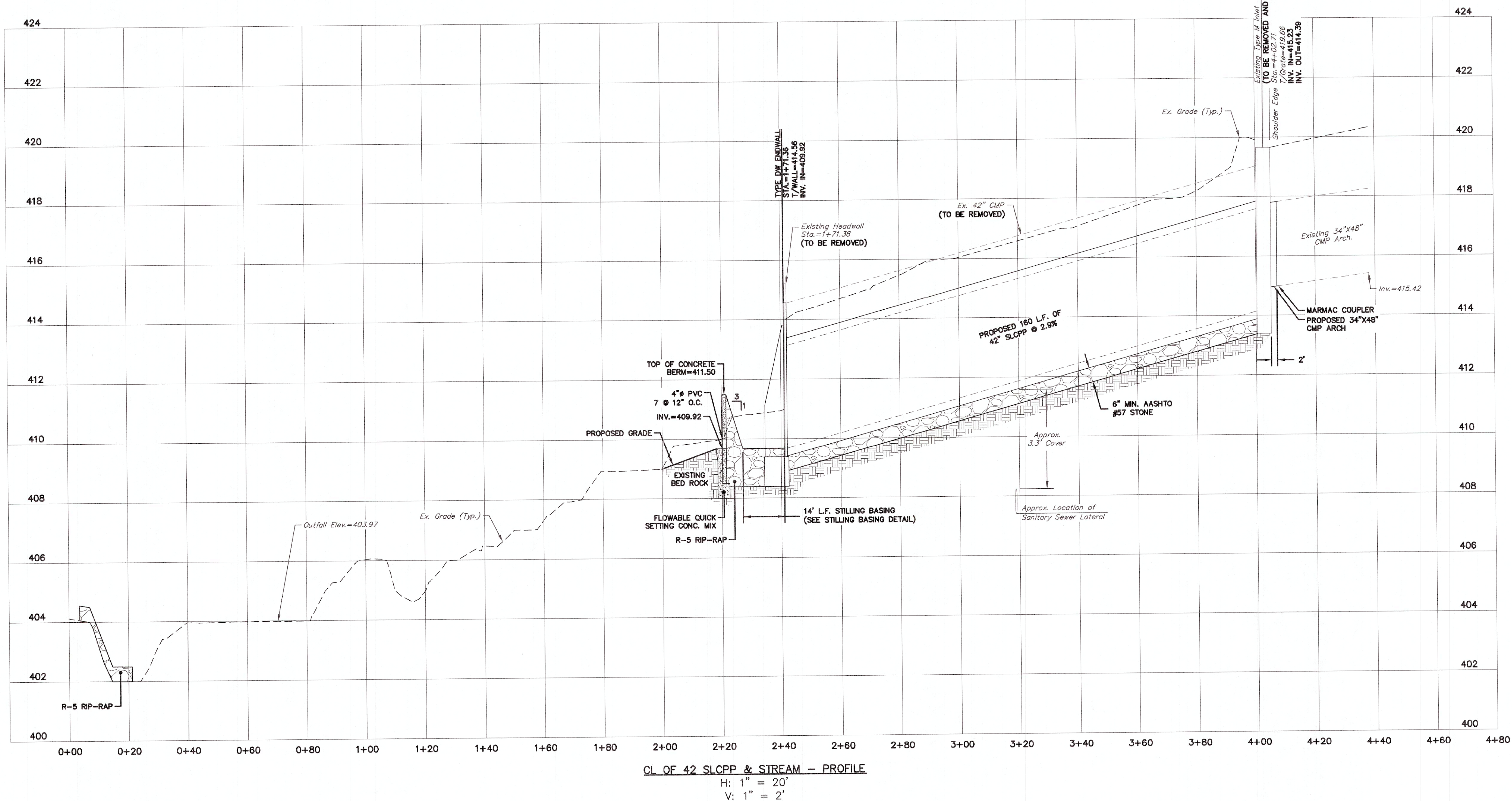
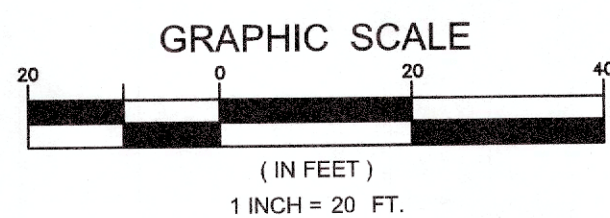
**NOTE:**  
Information concerning underground utilities is not guaranteed to be complete or accurate. Contractor is responsible to contact all utility owners, and to determine the location of all underground utilities, prior to excavation by use of power-operated equipment.

NO.	DATE	REVISION	BY
1	3/20/2025	PER PENNDOT COMMENTS	AJS
2	4/29/2025	PER PROPERTY OWNERS REQUEST	MPA
3	7/7/2025	GENERAL REVISIONS/UPDATES	AGB





- NOTES:**
1. ALL AREAS DISTURBED SHALL RECEIVE A MINIMUM 6" TOPSOIL AND BE SEEDED.
  2. EROSION CONTROL BLANKET SHALL BE PROVIDED FOR STABILIZATION OF ALL DISTURBED AREAS DOWNSTREAM OF HEADWALL.
  3. MULCH SHALL BE PROVIDED FOR SEED STABILIZATION OF ALL DISTURBED AREAS UPSTREAM OF HEADWALL.



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WWW.CSDAVIDSON.COM

		DESCRIPTION	
		DATE	PER PENNDOT COMMENTS
		NO.	PER PROPERTY OWNERS REQUEST
			GENERAL REVISIONS/UPDATES
DRAWN BY		JDW	
CHECKED BY			
SCALE		H: 1" = 20' V: 1" = 2'	
DATE		4/29/2025	
DWG. NO.		161952402_A	
FILE NO.		1619.5.24.02	
SHEET NO.			
		<b>2 OF 4</b>	



CONSTRUCTION SEQUENCE

- ALL EARTH DISTURBANCES, INCLUDING CLEARING AND GRUBBING AS WELL AS CUTS AND FILLS SHALL BE DONE IN ACCORDANCE WITH THE CONSTRUCTION DRAWINGS. A COPY OF THE APPROVED DRAININGS (STAMPED, SIGNED, AND DATED) MUST BE AVAILABLE AT THE PROJECT SITE.
  - ALL EARTH DISTURBANCE ACTIVITIES SHALL PROCEED IN ACCORDANCE WITH THE FOLLOWING SEQUENCE. EACH STAGE SHALL BE COMPLETED AND IMMEDIATELY STABILIZED BEFORE ANY FOLLOWING STAGE IS INITIATED. CLEARING, GRUBBING AND TOPSOIL STRIPPING SHALL BE LIMITED ONLY TO THOSE AREAS DESCRIBED IN EACH STAGE. ANY DEVIATION FROM THE FOLLOWING SEQUENCE MUST BE APPROVED IN WRITING FROM THE LOCAL CONSERVATION DISTRICT.
1. AT LEAST 10 DAYS PRIOR TO CONSTRUCTION, NOTIFICATION SHALL BE MADE TO THE REGIONAL PA FISH AND BOAT COMMISSION OFFICE BY EMAIL, RA-FBSCLE@PA.GOV. PLEASE INCLUDE THE FOLLOWING INFORMATION: COUNTY, MUNICIPALITY, CREEK NAME AND/OR WETLAND TYPE, PERMIT NUMBER, START DATE, TYPE OF WORK, AND CONTACT AND PHONE NUMBER.
  2. AT LEAST 7 DAYS PRIOR TO STARTING ANY EARTH DISTURBANCE ACTIVITIES, INCLUDING CLEARING AND GRUBBING, THE OWNER AND/OR OPERATOR SHALL INVITE ALL CONTRACTORS, THE LANDOWNER, APPROPRIATE MUNICIPAL OFFICIALS, AND THE E&S PLAN PREPARER, TO AN ON-SITE PRE-CONSTRUCTION MEETING.
  3. AT LEAST 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 1-800-242-1776 FOR THE LOCATION OF EXISTING UNDERGROUND UTILITIES.
  4. THE CONTRACTOR SHOULD BE MADE AWARE OF THE LIMITS OF DISTURBANCE FOR ALL WORK AND ALL WATERS OF THE COMMONWEALTH BOUNDARIES (EX. STREAM BUFFERS, WETLAND BOUNDARIES, SPRING SEEDS, AND FLOODWAYS) PRIOR TO THE START OF CONSTRUCTION.
  5. THE CONTRACTOR SHALL CONSTRUCT THE ROCK CONSTRUCTION ENTRANCE, COFFERDAM, AND BYPASS PUMPING OPERATIONS. EVERY EFFORT SHALL BE TAKEN TO MINIMIZE IN-STREAM ACTIVITIES PRIOR TO BEGINNING BYPASS PUMPING OPERATIONS. DISCHARGE SPLASH PROTECTION SHALL BE INSTALLED. ANY FISH ENCOUNTERED DURING DEWATERING ACTIVITIES SHALL BE CAPTURED WITH A NET AND TRANSPORTED DOWNSTREAM BY USE OF BUCKET. BYPASS PUMPING OPERATIONS SHALL BE MINIMIZING DISTURBANCE.
  6. THE CONTRACTOR TO CLEAR AND GRUB AREAS ONLY REQUIRED TO BE CLEARED BY THE PROPOSED CONSTRUCTION.
  7. REMOVE EXISTING STORM SEWER PIPE AND INSTALL PROPOSED STORM SEWER PIPE AND ENDWALL.
  8. CONSTRUCT COFFERDAM, ROCK FILTER, RIPRAP STREAM BANK STABILIZATION, AND STILLING BASIN. THIS WORK SHOULD BE DONE DURING TIMES OF LOW-FLOW/NO-FLOW. IF REQUIRED, THE DURATION OF STREAM DIVERSION SHOULD MINIMIZED (2 WEEKS MAXIMUM).
  9. DEBRIS SHALL BE PREVENTED FROM ENTERING THE STREAM. IF DEBRIS DOES ENTER THE STREAM, IT SHALL BE REMOVED IMMEDIATELY.
  10. MAINTAIN EROSION CONTROL MEASURES UNTIL CONSTRUCTION IS COMPLETE AND ALL AREAS HAVE BEEN PERMANENTLY STABILIZED, PER PA CHAPTER 102.22.
  11. UPON COMPLETION OF ALL EARTH DISTURBANCE ACTIVITIES AND PERMANENT STABILIZATION OF ALL DISTURBED AREAS, THE OWNER AND/OR OPERATOR SHALL CONTACT THE DISTRICT ENGINEER FOR AN INSPECTION PRIOR TO REMOVAL/CONVERSION OF THE E&S BMPs.
  12. UPON COMPLETION OF ALL EARTH DISTURBANCE ACTIVITIES, REMOVAL OF ALL TEMPORARY BMPs, AND PERMANENT STABILIZATION OF ALL DISTURBED AREAS, THE OWNER AND/OR OPERATOR SHALL CONTACT THE ENGINEER TO SCHEDULE A FINAL INSPECTION.

NOTE:  
THE ORDER OF THE ABOVE SCHEDULE IS SUBJECT TO CHANGE DUE TO SPECIFIC SITE CONDITIONS AND CONSTRUCTION METHODS. ANY CHANGES SHOULD BE MADE UNDER THE DIRECT SUPERVISION OF A REPRESENTATIVE OF THE YCCD. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO CONTACT THE LCDD 72 HOURS PRIOR TO CONSTRUCTION AND 72 HOURS PRIOR TO LEAVING THE SITE.

YORK COUNTY CONSERVATION DISTRICT  
2401 PLEASANT VALLEY ROAD  
SUITE #101 ROOM #139  
YORK, PA 17402

STABILIZATION SPECIFICATIONS

1. UPON TEMPORARY CESSATION OF AN EARTH DISTURBANCE ACTIVITY OR ANY STAGE OR PHASE OF AN ACTIVITY WHERE A CESSATION OF EARTH DISTURBANCE ACTIVITIES WILL EXCEED 4 DAYS, THE SITE SHALL BE IMMEDIATELY SEEDED, MULCHED, OR OTHERWISE PROTECTED FROM ACCELERATED EROSION AND SEDIMENTATION PENDING FUTURE EARTH DISTURBANCE ACTIVITIES.
2. 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 SURFACE EROSION AND SUBSURFACE CHARACTERISTICS SUFFICIENT TO RESIST SLUMPING, SLIDING, OR OTHER MOVEMENTS.
3. TOPSOIL REQUIRED FOR THE ESTABLISHMENT OF VEGETATION SHALL BE STOCKPILED AT THE LOCATIONS SHOWN ON THE PLAN DRAWINGS IN THE AMOUNT NECESSARY TO COMPLETE THE FINISH GRADING OF ALL EXPOSED AREAS THAT ARE TO BE STABILIZED BY VEGETATION. EACH STOCKPILE SHALL BE PROTECTED IN THE MANNER SHOWN ON THE PLAN DRAWINGS. STOCKPILE HEIGHTS SHALL NOT EXCEED 35 FEET. STOCKPILE SLOPES SHALL BE 2 HORIZONTAL:1 VERTICAL OR FLATTER.
4. AREAS WHICH ARE TO BE TOPSOILED SHALL BE SCARIFIED TO A MINIMUM DEPTH OF 3 TO 5 INCHES - 6 TO 12 INCHES ON COMPACTED SOILS - PRIOR TO PLACEMENT OF TOPSOIL. AREAS TO BE VEGETATED SHALL HAVE A MINIMUM 4 INCHES OF TOPSOIL IN PLACE PRIOR TO SEEDING AND MULCHING. FILL OUTSLOPES SHALL HAVE A MINIMUM OF 2 INCHES OF TOPSOIL.
5. TOPSOIL SHOULD NOT BE PLACED WHILE THE TOPSOIL OR SUBSOIL IS IN A FROZEN OR MUDDY CONDITION, WHEN THE SUBSOIL IS EXCESSIVELY WET, OR IN A CONDITION THAT MAY OTHERWISE BE DETRIMENTAL TO PROPER GRADING AND SEEDBED PREPARATION. COMPACTED SOILS SHOULD BE SCARIFIED 6 TO 12 INCHES ALONG CONTOUR WHENEVER POSSIBLE PRIOR TO SEEDING.
6. 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. DISTURBED AREAS WHICH ARE NOT AT FINISHED GRADE AND WHICH WILL BE RE-DISTURBED WITHIN 1 YEAR MUST BE STABILIZED IN ACCORDANCE WITH THE TEMPORARY VEGETATIVE STABILIZATION SPECIFICATIONS. DISTURBED AREAS WHICH ARE AT FINAL GRADE OR WHICH WILL NOT BE RE-DISTURBED WITHIN 1 YEAR MUST BE STABILIZED IN ACCORDANCE WITH THE PERMANENT VEGETATIVE STABILIZATION SPECIFICATIONS.
7. AN EROSION CONTROL BLANKET WILL BE INSTALLED ON ALL DISTURBED SLOPES 3:1 OR STEEPER, ALL AREAS OF CONCENTRATED FLOWS, AND DISTURBED AREAS WITHIN 50 FEET OF A SURFACE WATER.
8. 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 THE LOCAL CONSERVATION DISTRICT OR THE DEPARTMENT.
9. STRAW AND HAY MULCH SHOULD BE ANCHORED IMMEDIATELY AFTER APPLICATION TO PREVENT BEING WINDBLOWN. A TRACTOR-DRAWN IMPLEMENT MAY BE USED TO "CRIMP" THE STRAW OR HAY INTO THE SOIL. THIS METHOD IS LIMITED TO SLOPES NO STEEPER THAN 3:1. THE MACHINERY SHOULD BE OPERATED ON THE CONTOUR. (NOTE: CRIMPING OF HAY OR STRAW BY RUNNING OVER IT WITH TRACKED MACHINERY IS NOT RECOMMENDED.)
10. ASPHALT, EITHER EMULSIFIED OR CUT-BACK, CONTAINING NO SOLVENTS OR OTHER DILUTING AGENTS TOXIC TO PLANT OR ANIMAL LIFE, UNIFORMLY APPLIED AT THE RATE OF 31 GALLONS PER 1000 SQ. YD. MAY BE USED TO TACK MULCH.
11. SYNTHETIC BINDERS (CHEMICAL BINDERS) MAY BE USED AS RECOMMENDED BY THE MANUFACTURER TO ANCHOR MULCH PROVIDED SUFFICIENT DOCUMENTATION IS PROVIDED TO SHOW THEY ARE NON-TOXIC TO NATIVE PLANT AND ANIMAL SPECIES.
12. LIGHTWEIGHT PLASTIC, FIBER, OR PAPER NETS MAY BE STAPLED OVER THE MULCH ACCORDING TO MANUFACTURER'S RECOMMENDATIONS.
13. TRACKING SLOPES IS REQUIRED BY RUNNING TRACKED MACHINERY UP AND DOWN THE SLOPE, LEAVING TREAD MARKS PARALLEL TO THE CONTOUR. (NOTE: IF A BULLDOZER IS USED, THE BLADE SHALL BE UP.) CARE SHOULD BE EXERCISED ON SOILS HAVING A HIGH CLAY CONTENT TO AVOID OVER-COMPACTION.

MAINTENANCE PROGRAM

1. UNTIL THE SITE IS STABILIZED, ALL EROSION AND SEDIMENT BMPs SHALL BE MAINTAINED PROPERLY. MAINTENANCE SHALL INCLUDE INSPECTIONS OF ALL EROSION AND SEDIMENT BMPs AFTER EACH RUNOFF EVENT AND ON A WEEKLY BASIS. ALL PREVENTATIVE AND REMEDIAL MAINTENANCE WORK, INCLUDING CLEAN OUT, REPAIR, REPLACEMENT, REGRADE, RESEEDING, REMULCHING AND RENETTING MUST BE PERFORMED IMMEDIATELY. IF THE E&S BMPs FAIL TO PERFORM AS EXPECTED, REPLACEMENT BMPs, OR MODIFICATIONS OF THOSE INSTALLED WILL BE REQUIRED.
2. ALL SEDIMENT REMOVED FROM BMPs WILL BE RETURNED TO UPLAND AREAS ON SITE AND INCORPORATED INTO THE SITE GRADING.
3. 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 REGULATORY AGENCY OFFICIALS AT THE TIME OF INSPECTION.
4. THE PERMITTEE MUST ENSURE THAT VISUAL SITE INSPECTIONS ARE CONDUCTED WEEKLY, AND AFTER EACH MEASURABLE PRECIPITATION EVENT BY QUALIFIED PERSONNEL, TRAINED AND EXPERIENCED IN EROSION AND SEDIMENT CONTROL, TO ASCERTAIN THAT THE EROSION AND SEDIMENT CONTROL (E&S) BMPs ARE OPERATIONAL AND EFFECTIVE IN PREVENTING POLLUTION TO THE WATERS OF THE COMMONWEALTH. A WRITTEN REPORT OF EACH INSPECTION SHALL BE KEPT, AND INCLUDE:
  - 1.) A SUMMARY OF THE SITE CONDITIONS, E&S BMPs, AND COMPLIANCE; AND
  - 2.) THE DATE, TIME, AND NAME OF THE PERSON CONDUCTING THE INSPECTION.
5. SEDIMENT TRACKED ONTO ANY PUBLIC ROADWAY OR SIDEWALK SHALL BE RETURNED TO THE CONSTRUCTION SITE BY THE END OF EACH WORK DAY AND DISPOSED IN THE MANNER DESCRIBED IN THIS PLAN. IN NO CASE SHALL THE SEDIMENT BE WASHED, SHOVELED, OR SWEEPED INTO ANY ROADSIDE DITCH, STORM SEWER, OR SURFACE WATER.

SEEDING RESTORATION TABLE

SEED MIX	PROJECT AREA AND TERRAIN	TOPSOIL	LIME*	DATES	BASIC FERTILIZER	STARTER FERTILIZER	SEED MIX (% BY WEIGHT)	SOWING RATE LB./1000 YD <sup>2</sup> (LB./ACRE)
Formula L Clear Zone Mix	Roadside Floy Dry/Wet	Yes	800 LB./1000 YD <sup>3</sup>	Mar. 15 - Jun. 1 Aug. 1 - Oct. 15	10-20-20 @ 140 LB./1000 YD <sup>3</sup>	38-0-0 Ureaform @ 50LB./1000 YD <sup>3</sup> QR 32-0-0 to 38-0-0 Sulfur Coated Urea @ 59-50 LB./1000 YD <sup>3</sup> QR 31-0-0 IBDU @ 61 LB./1000 YD <sup>3</sup>	55% Hard Fescue Mix ( <i>Festuca Longifolia</i> ) 35% Creeping Red Fescue ( <i>Festuca Rubra</i> ) 10% Annual Ryegrass ( <i>Lolium Multiflorum</i> )	48.0 (240) Total
Formula T Temporary Grass Mix	Roadside Flat/Dry Wet	Yes	800 LB./1000 YD. <sup>3</sup>	Mar. 15 - Jun. 1 Aug. 1 - Oct. 15	10-20-20 @ 140 LB./1000 YD <sup>3</sup>	38-0-0 Ureaform @ 50LB./1000 YD <sup>3</sup> QR 32-0-0 to 38-0-0 Sulfur Coated Urea @ 59-50 LB./1000 YD <sup>3</sup> QR 31-0-0 IBDU @ 61 LB./1000 YD <sup>3</sup>	75% Oats ( <i>Avena Sativa</i> ) (Spring) 75% Cereal Rye ( <i>Secale Cereale</i> ) (Fall)	6 (30) Total

\* If a species is unavailable in this mix, substitute by increasing the percentage of other items in the mix.

\*\* Unless lesser rate indicated by soil tests.

Do not use wood mulch with Native Seed Mixes.

Mulch immediately after seeding by placing straw mulch in a continuous blanket at a minimum rate of 1,200 LBS/1,000 YDS.<sup>2</sup>.

Straw mulch should be anchored immediately after application to prevent being windblown. A tractor-drawn implement may be used to "crimp" the straw into the soil. This method is limited to slopes no steeper than 3:1. The machinery should be operated on the contour. (Note: Crimping of straw by running over it with tracked machinery is not recommended.)

Asphalt, either emulsified or cut-back, containing no solvents or other diluting agents toxic to plant or animal life, uniformly applied at the rate of 31 gallons per SQ. YD. may be used to tack mulch.

Synthetic binders (chemical binders) may be used as recommended by the manufacturer to anchor mulch provided sufficient documented sufficient documentation is provided to show they are non-toxic to native plant and animal species.

Lightweight plastic, fiber, or paper nets may be stapled over the mulch according to the manufacturer's recommendations.

Note: Refer to specifications in Publication 408, Section 804, for additional information.

SOIL EROSION & SEDIMENTATION CONTROL NOTES

1. A COPY OF THE APPROVED EROSION AND SEDIMENT CONTROL PLAN MUST BE AVAILABLE AT THE PROJECT SITE AT ALL TIMES. THE LOCAL CONSERVATION DISTRICT SHALL BE NOTIFIED OF ANY CHANGES TO THE APPROVED PLAN PRIOR TO IMPLEMENTATION OF THOSE CHANGES. THE DISTRICT MAY REQUIRE A WRITTEN SUBMITTAL OF THOSE CHANGES FOR REVIEW AND APPROVAL AT ITS DISCRETION.
2. 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 THE LOCAL CONSERVATION DISTRICT AND/OR THE REGIONAL OFFICE OF THE DEPARTMENT.
3. ALL PUMPING OF SEDIMENT LADEN WATER SHALL BE THROUGH A SEDIMENT CONTROL BMP, SUCH AS A PUMPED WATER FILTER BAG OR EQUIVALENT SEDIMENT REMOVAL FACILITY, OVER UNDISTURBED VEGETATED AREAS.
4. FAILURE TO CORRECTLY INSTALL E&S BMPs, FAILURE TO PREVENT SEDIMENT-LADEN RUNOFF FROM LEAVING THE CONSTRUCTION SITE, OR FAILURE TO TAKE IMMEDIATE CORRECTIVE ACTION TO RESOLVE FAILURE OF E&S BMPs MAY RESULT IN ADMINISTRATIVE, CIVIL, AND/OR CRIMINAL PENALTIES BEING INSTITUTED BY THE DEPARTMENT AS DEFINED IN SECTION 602 OF THE PENNSYLVANIA CLEAN STREAM LAW. THE CLEAN STREAMS LAW PROVIDES FOR UP TO \$10,000 PER DAY IN CIVIL PENALTIES, UP TO \$10,000 IN SUMMARY CRIMINAL PENALTIES, AND UP TO \$25,000 IN MISDEMEANOR CRIMINAL PENALTIES FOR EACH VIOLATION.
5. ALL BUILDING MATERIALS AND WASTES MUST BE REMOVED FROM THE SITE AND RECYCLED OR DISPOSED OF IN ACCORDANCE WITH THE DEPARTMENT'S SOLID WASTE MANAGEMENT REGULATIONS AT 25 PA CODE 260.1 ET SEQ., 271.1, AND 287.1 ET SEQ. NO BUILDING MATERIALS OR WASTES OR UNUSED BUILDING MATERIAL SHALL BE BURNED, BURIED, DUMPED, OR DISCHARGED AT THE SITE.
6. THE CONTRACTOR WILL BE RESPONSIBLE FOR THE REMOVAL OF ANY EXCESS MATERIAL AND MAKE SURE THE SITES RECEIVING THE EXCESS HAS AN APPROVED AND FULLY IMPLEMENTED EROSION AND SEDIMENT CONTROL PLAN THAT MEETS THE CONDITIONS OF CHAPTER 102 AND/OR OTHER STATE OR FEDERAL REGULATIONS.
7. 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.)
8. ANY PLACEMENT OF 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.
9. ENVIRONMENTAL DUE DILIGENCE MUST BE PERFORMED TO DETERMINE IF THE FILL MATERIALS ASSOCIATED WITH THE PROJECT QUALIFY AS CLEAN FILL. ENVIRONMENTAL DUE DILIGENCE IS DEFINED AS: 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 A 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 CLEAN FILL."
10. 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.

SOIL LIMITATIONS AND RESOLUTIONS

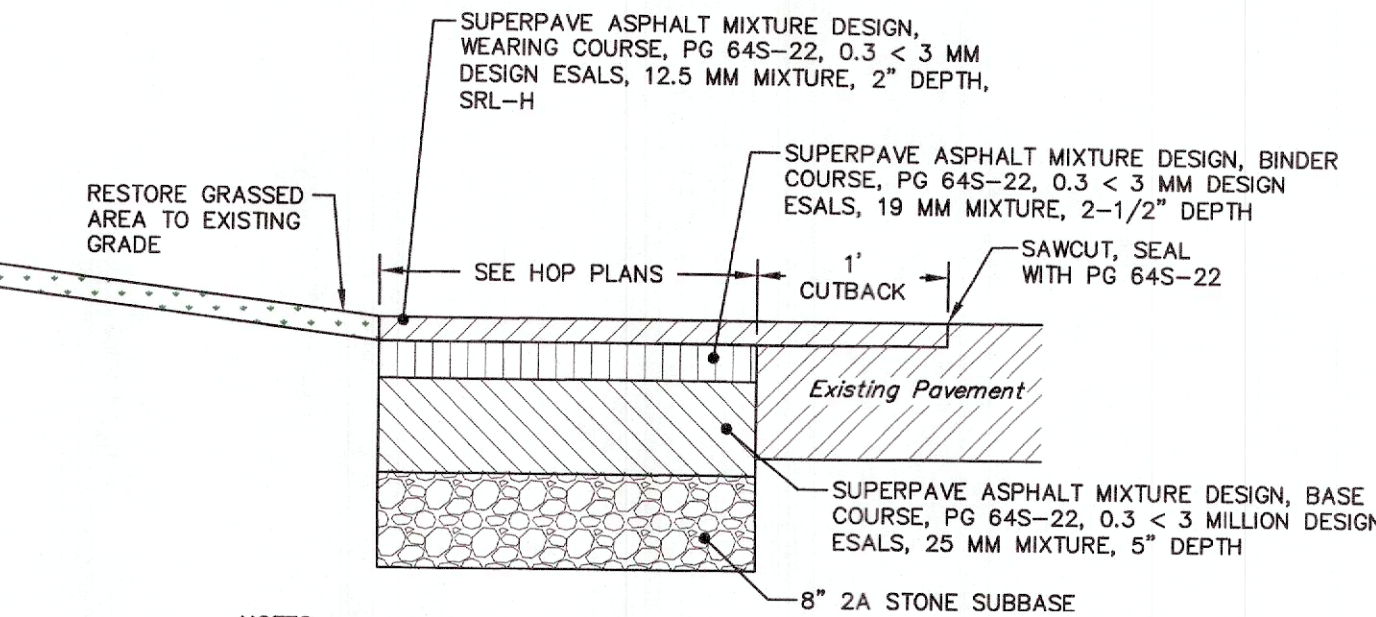
1. AREAS TO BE FILLED ARE TO BE CLEARED, GRUBBED, AND STRIPPED OF TOPSOIL TO REMOVE TREES, VEGETATION, ROOTS, AND OTHER OBJECTIONABLE MATERIAL.
2. ALL FILLS SHALL BE COMPACTED AS REQUIRED TO REDUCE EROSION, SLIPPAGE, SETTLEMENT, SUBSIDENCE OR OTHER RELATED PROBLEMS. FILL INTENDED TO SUPPORT BUILDINGS, STRUCTURES AND CONDUITS, ETC. SHALL BE COMPACTED IN ACCORDANCE WITH LOCAL REQUIREMENTS OR CODES.
3. ALL EARTHEN FILLS SHALL BE PLACED IN COMPACTED LAYERS NOT TO EXCEED 9 INCHES IN THICKNESS.
4. 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.
5. FROZEN MATERIALS OR SOFT, MUCKY, OR HIGHLY COMPRESSIBLE MATERIALS SHALL NOT BE INCORPORATED INTO FILLS.
6. FILL SHALL NOT BE PLACED ON SATURATED OR FROZEN SURFACES.
7. SEEPS OR SPRINGS ENCOUNTERED DURING CONSTRUCTION SHALL BE HANDLED IN ACCORDANCE WITH THE STANDARD AND SPECIFICATION FOR SUBSURFACE DRAIN OR OTHER APPROVED METHOD.

SOILS LEGEND

Ln - LINDSIDE SILT LOAM

SOIL LIMITATIONS AND RESOLUTIONS

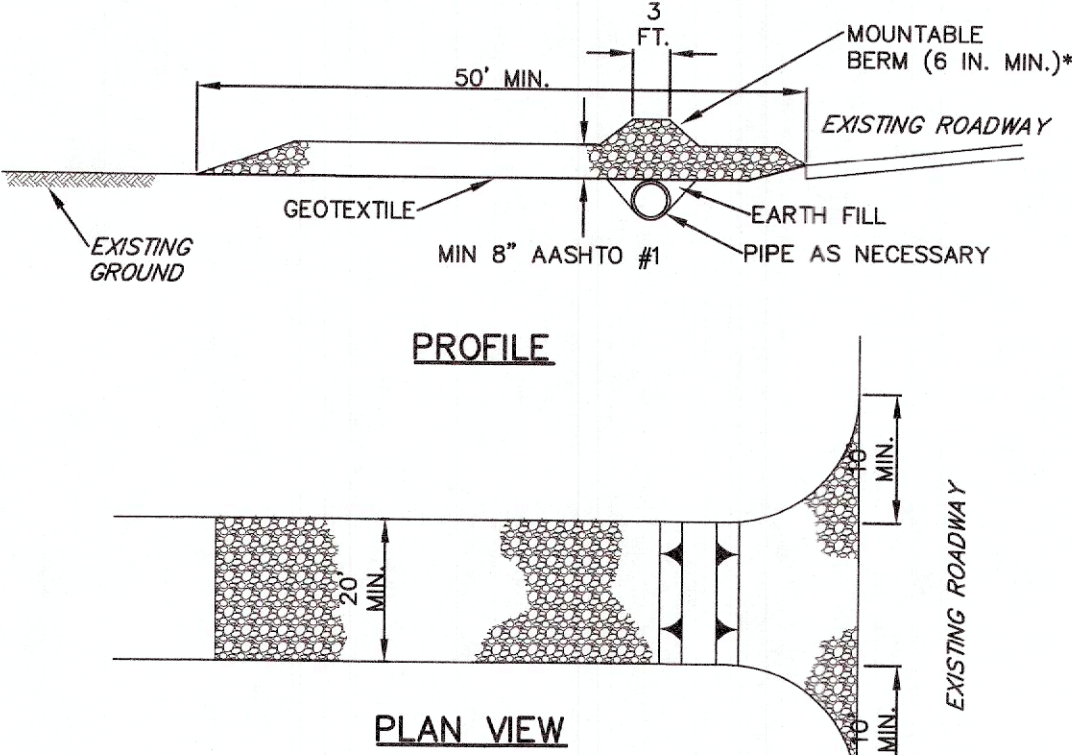
SOIL	LIMITATION	RESOLUTION
Ln	PRONE TO CUTBACK CAVE-IN	PRECAUTIONS TO BE TAKEN TO SAFEGUARD WORKERS DURING ALL TRENCHING AND EXCAVATION OPERATIONS. ALL APPLICABLE OSHA STANDARDS AND REGULATIONS MUST BE IMPLEMENTED AT ALL TIMES. TRENCH BOXES AND OTHER SAFETY EQUIPMENT SHALL BE IMPLEMENTED
Ln (S)	CORROSIVE TO CONCRETE/STEEL	PROPER COMPACTED BEDDING MATERIAL AND FABRIC SHALL BE USED TO ISOLATE DIRECT CONTACT BETWEEN CONCRETE AND SOIL
Ln	FLOODING	IF AREA BECOMES FILLED WITH STANDING WATER, AREA SHALL BE PUMPED OUT AND DISCHARGED THROUGH SEDIMENT FILTER BAG
Ln	DEPTH TO SATURATED ZONE/SEASONAL HIGH WATER TABLE	TESTING SHALL BE PERFORMED TO DETERMINE SATURATED ZONE/SEASONAL HIGH WATER TABLE. ALL UNDERGROUND STRUCTURES SHALL BE DESIGNED WITH THE TEST RESULTS IMPLEMENTED IN THE DESIGN. ALL INFILTRATION FACILITIES SHALL HAVE A MINIMUM OF 2 FT. SOIL BETWEEN THE INFILTRATIONS FACILITIES AND THE SATURATED ZONE/SEASON HIGH WATER TABLE. IF EXCAVATION BECOMES INUNDATED WITH WATER A PUMP AND PUMP FILTER BAG SHALL BE USED TO REMOVE THE WATER FROM THE EXCAVATION.
Ln	HYDRIC/HYDRIC INCLUSIONS	INVESTIGATION/DELINEATION OF WETLAND AREAS
Ln	LOW STRENGTH/LANDSIDE PRONE	GRADING STANDARDS SHALL IMPLEMENTED (REFER TO GRADING STANDARDS NOTE)
Ln	SLOW PERCOLATION	TESTING OF GROUND FOR INFILTRATION RATE. IN AREAS INFILTRATION IS PROPOSED THE EXISTING GROUND SHALL BE SCARIFIED AND NO COMPACTION IN INFILTRATION AREA SHALL OCCUR
Ln	PIPING	COMPACTED BEDDING MATERIAL SHALL BE PLACED AROUND ALL LATERAL UNDERGROUND PIPES
Ln	FROST ACTION	FROZEN MATERIAL AND SOIL SHALL NOT BE USED IN FILL AREAS, FILL SHALL NOT BE PLACED ON FROZEN SOIL
Ln	POTENTIAL SINKHOLE	GEOLOGICAL TESTING SHALL BE PERFORMED TO ASSES THE POSSIBILITY OF SINKHOLE. INFILTRATION SHALL BE SPREAD OUT AND NOT CONCENTRATED IN SINGLE AREA. IF HOLE DOES MANIFEST SINKHOLE SHALL BE FILLED PER STATE AND FEDERAL REGULATIONS AND GEOLOGIST SHALL BE CONTACTED TO SUPERVISE FILLING PROCESS
Ln	WETNESS	GRADING STANDARDS SHALL IMPLEMENTED (REFER TO GRADING STANDARDS NOTE). IF EXCAVATIONS BECOME INUNDATED WITH WATER A PUMP AND PUMP FILTER BAG SHALL BE USED TO REMOVE THE WATER FROM THE EXCAVATION.



NOTES:

1. SAWCUT AND SEAL ALL JOINTS.
2. CONTRACTOR SHALL SAWCUT AND REMOVE SHOULDER MATERIAL AS NECESSARY AS NECESSARY TO ENSURE SHOULDER REPLACEMENT IS ADJACENT TO THE TRAVEL LANE.
3. REPLACE ANY DISTURBED PAVEMENT MARKINGS, IN KIND.
4. PROVIDE ASPHALT TACK COAT BETWEEN EACH PAVEMENT LAYER

PAVEMENT RESTORATION DETAIL FOR SR 0921  
N.T.S.



\* 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.

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, EXTENDING 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.

STANDARD CONSTRUCTION DETAIL #3-1  
ROCK CONSTRUCTION ENTRANCE  
N.T.S.

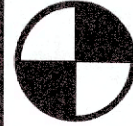
DOVER TOWNSHIP BOARD OF SUPERVISORS

SOIL EROSION AND SEDIMENT CONTROL PLANS  
EROSION AND SEDIMENT CONTROL NOTES

YORK COUNTY - PENNSYLVANIA

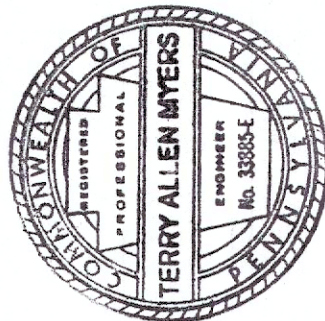
DOVER TOWNSHIP

EAST CANAL STORM SEWER REPLACEMENT



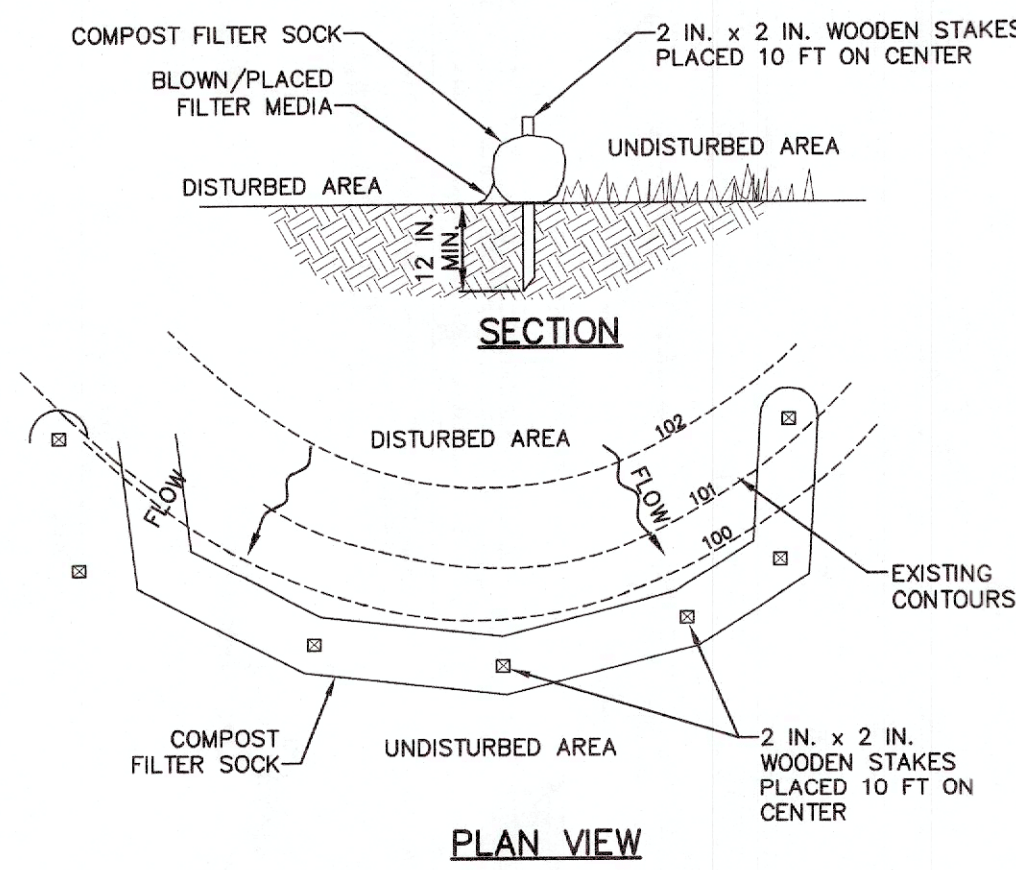
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NO.	DATE	DESCRIPTION
1	3/20/2025	PER PENNDOT COMMENTS
2	4/29/2025	PER PROPERTY OWNERS REQUEST
3	7/7/2025	GENERAL REVISIONS/UPDATES
DRAWN BY		JDW
CHECKED BY		
SCALE		NO SCALE
DATE		4/29/2025
DWG. NO.		161952402_A
FILE NO.		1619.5.24.02
SHEET NO.		





**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.

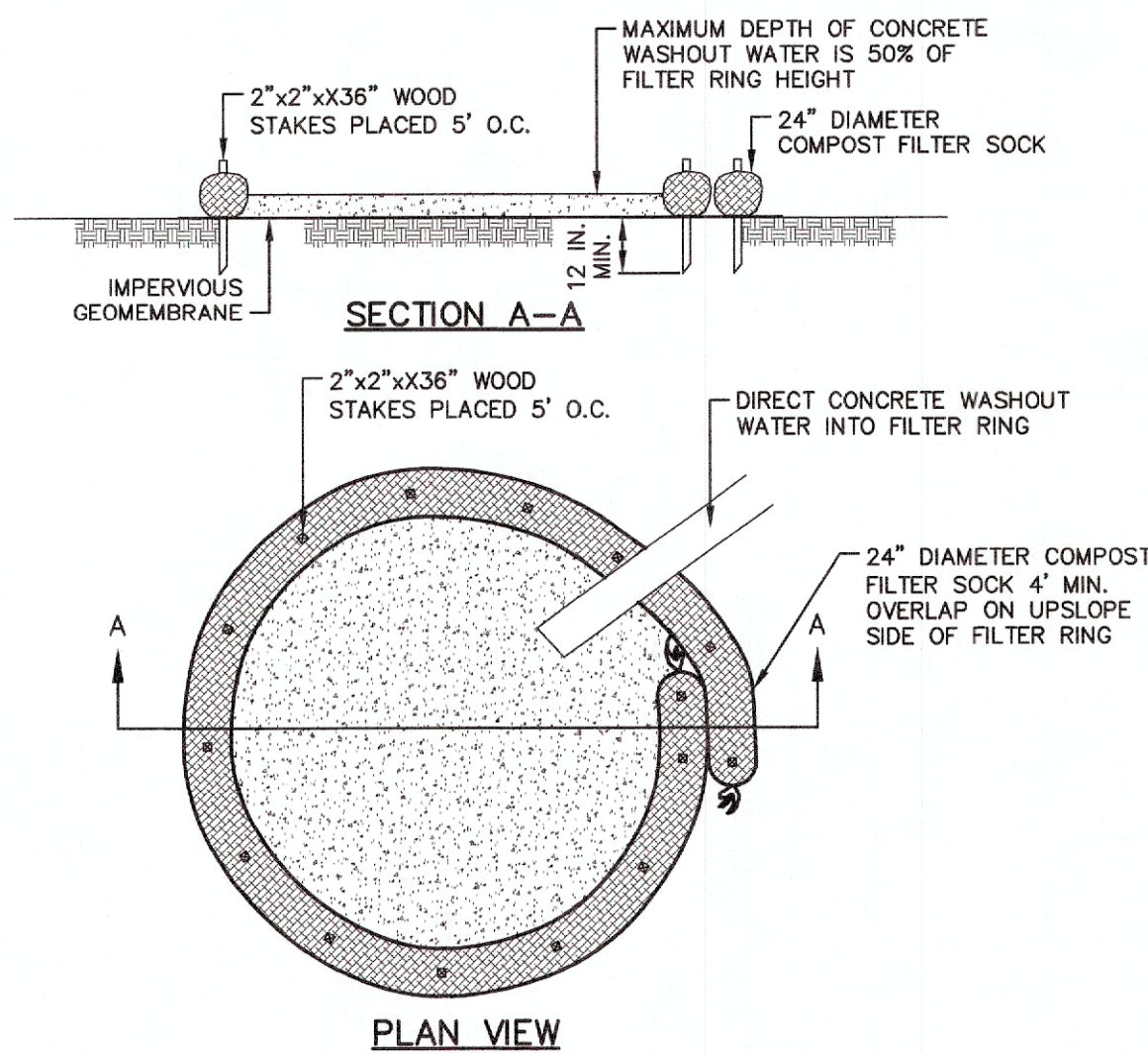
BIODEGRADABLE COMPOST FILTER SOCKS SHALL BE REPLACED AFTER 6 MONTHS; PHOTODEGRADABLE SOCKS AFTER 1 YEAR. POLYPROPYLENE SOCKS SHALL BE REPLACED ACCORDING TO MANUFACTURER'S RECOMMENDATIONS.

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.

#### STANDARD CONSTRUCTION DETAIL #4-1 COMPOST FILTER SOCK N.T.S.

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 (HDMPP)
Material Characteristics	Photo-degradable	Photo-degradable	Bio-degradable	Photo-degradable	Photo-degradable
Sock Diameters	12" 18"	12" 18"	12" 18"	12" 18"	12" 18"
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					
Inner Containment Netting	HDPE biaxial net				
	Continuously wound				
	Fusion-welded junctures				
	3/4" X 3/4" Max. aperture size				
	Composite Polypropylene Fabric				
Outer Filtration Mesh	(Woven layer and non-woven fleece 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.				

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% - 50%
Particle Size	30% - 50% pass through 3/8" sieve
Soluble Salt Concentration	5.0 dS/m (mmhos/cm) Maximum



**NOTES:**

1. A SUITABLE IMPERVIOUS GEOMEMBRANE SHALL BE PLACED AT THE LOCATION OF THE WASHOUT PRIOR TO INSTALLING THE SOCKS.

2. INSTALL ON FLAT GRADE FOR OPTIMUM PERFORMANCE.

3. 18" DIAMETER FILTER SOCK MAY BE STACKED ONTO DOUBLE 24" DIAMETER SOCKS IN PYRAMIDAL CONFIGURATION FOR ADDED HEIGHT.

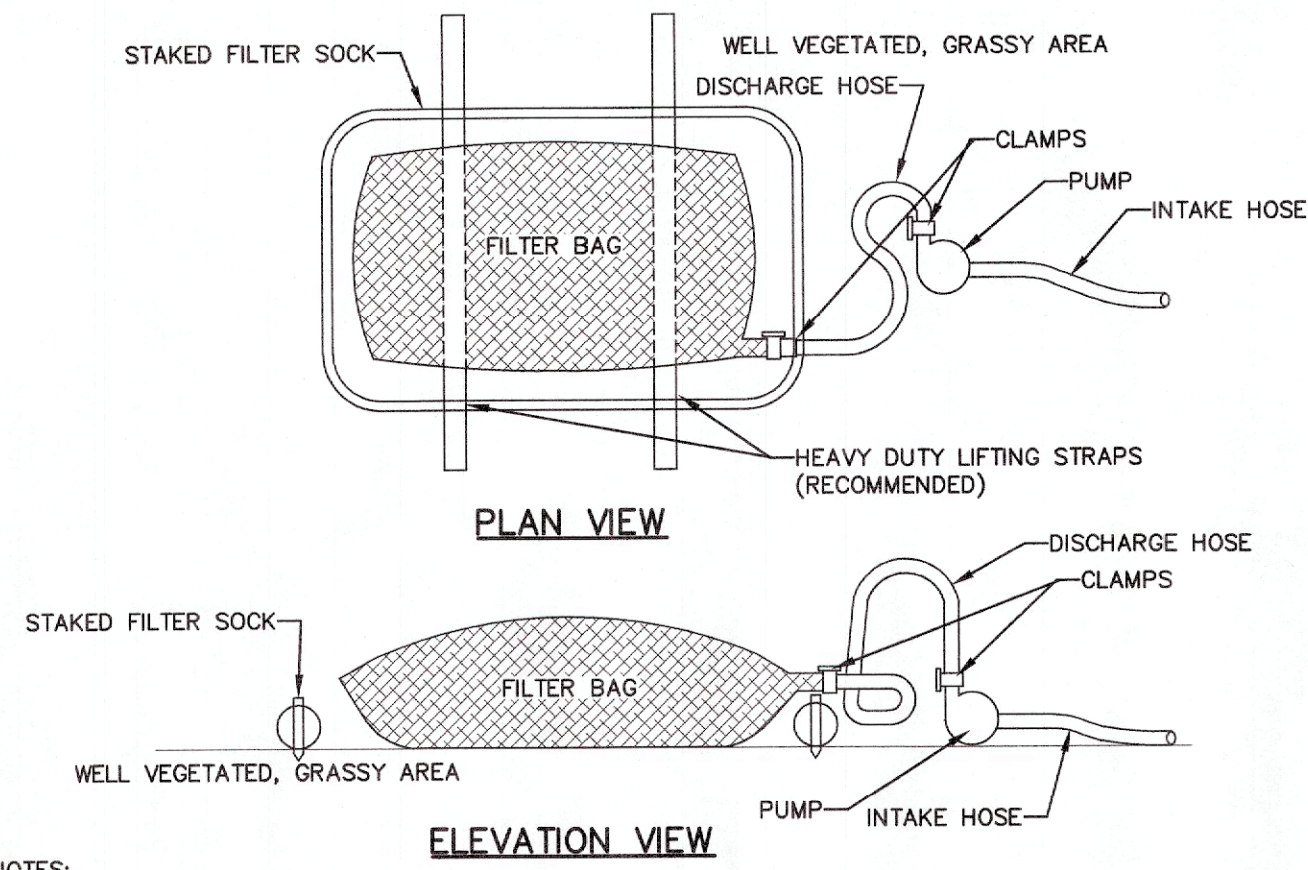
**MAINTENANCE**

1. ALL CONCRETE WASHOUT FACILITIES SHOULD BE INSPECTED DAILY. DAMAGED OR LEAKING WASHOUTS SHOULD BE DEACTIVATED AND REPAIRED OR REPLACED IMMEDIATELY.

2. ACCUMULATED MATERIALS SHOULD BE REMOVED WHEN THEY REACH 75% CAPACITY.

3. PLASTIC LINERS SHOULD BE REPLACED WITH EACH CLEANING OF THE WASHOUT FACILITY.

#### CONCRETE WASHOUT DETAIL N.T.S.



**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.

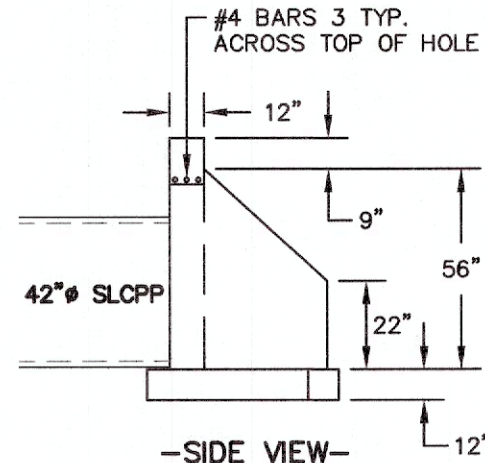
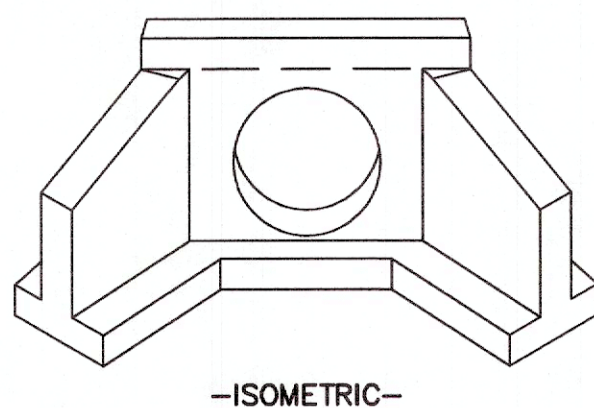
THE PUMP DISCHARGE HOSE SHALL BE INSERTED INTO THE BAGS IN THE MANNER SPECIFIED BY THE MANUFACTURER AND SECURELY CLAMPED. A PIECE OF PVC PIPE IS RECOMMENDED FOR THIS PURPOSE.

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.

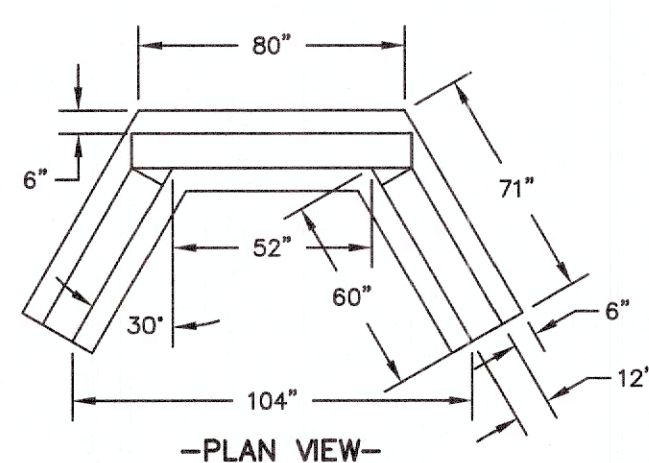
FILTER BAGS SHALL BE INSPECTED DAILY. IF ANY PROBLEM IS DETECTED, PUMPING SHALL CEASE IMMEDIATELY AND NOT RESUME UNTIL THE PROBLEM IS CORRECTED.

FILTER BAG SHALL BE SURROUNDED BY STAKED FILTER SOCK RING.

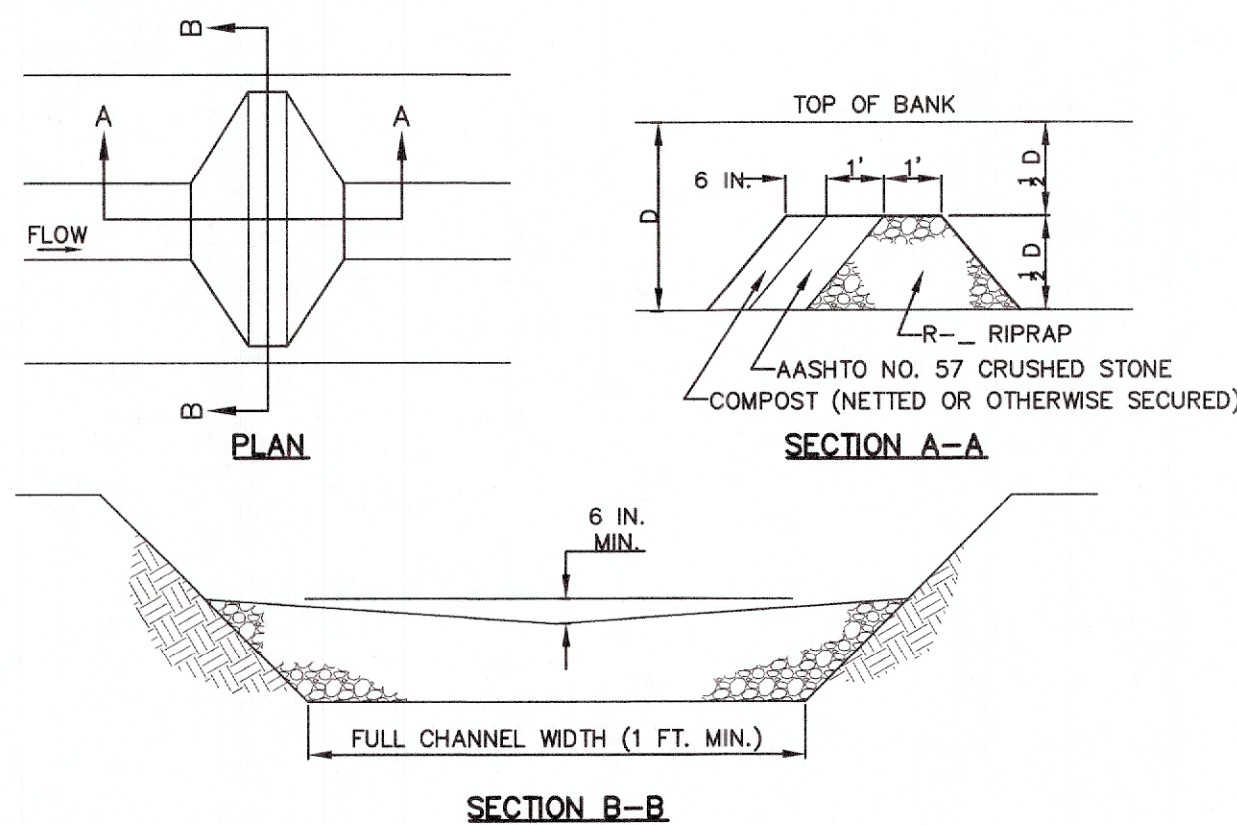
#### STANDARD CONSTRUCTION DETAIL #3-16 PUMPED WATER FILTER BAG N.T.S.



#### CONCRETE BERM REINFORCEMENT DETAIL N.T.S.



#### TYPE D-W ENDWALL MAXIMUM PIPE SIZE - 48" R.C.P. N.T.S.

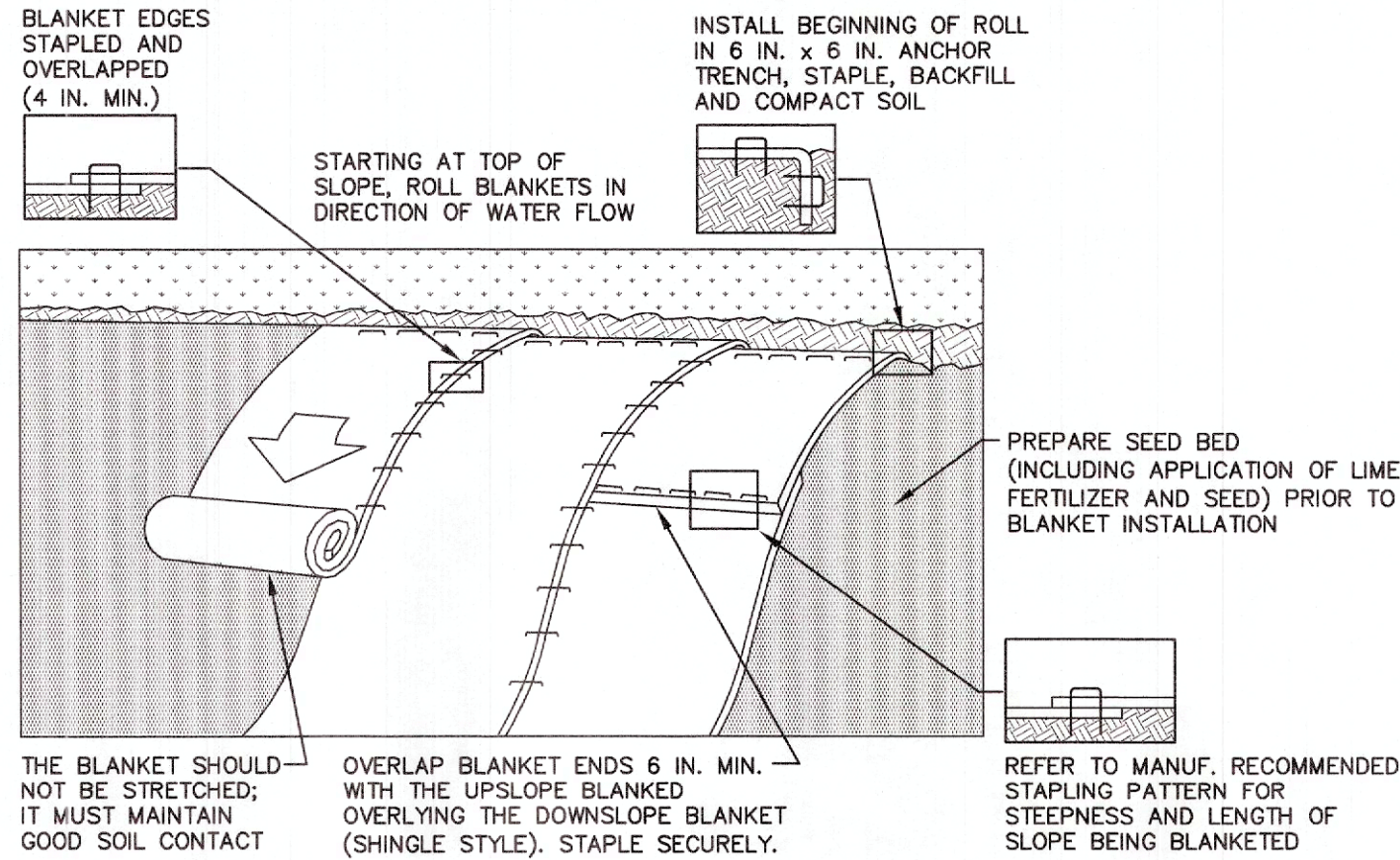


**NOTES:**

SEDIMENT MUST BE REMOVED WHEN ACCUMULATIONS REACH 1/2 THE HEIGHT OF THE FILTERS.

IMMEDIATELY UPON STABILIZATION OF EACH CHANNEL, REMOVE ACCUMULATED SEDIMENT, REMOVE ROCK FILTER, AND STABILIZE DISTURBED AREAS.

#### STANDARD CONSTRUCTION DETAIL #4-14 ROCK FILTER N.T.S.



**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.

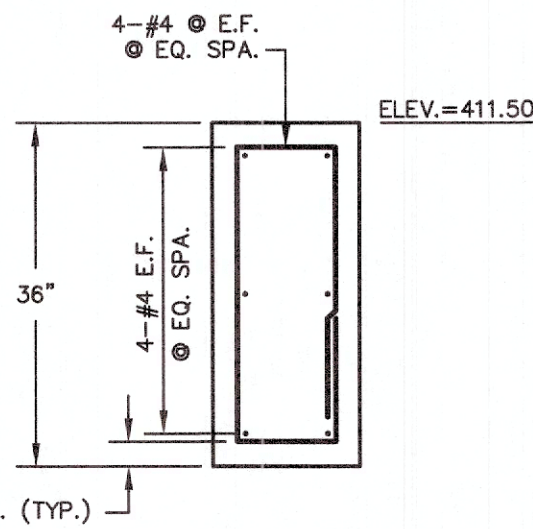
SLOPE SURFACE SHALL BE FREE OF ROCKS, CLOUDS, STICKS, AND GRASS.

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.

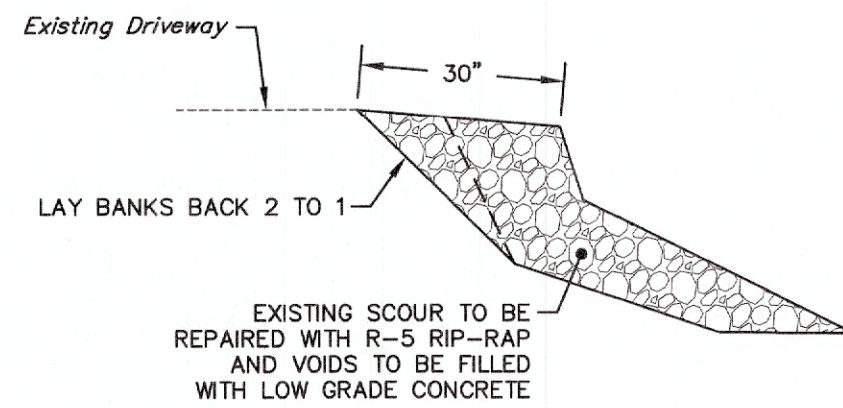
THE BLANKET SHALL BE STAPLED IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS.

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.

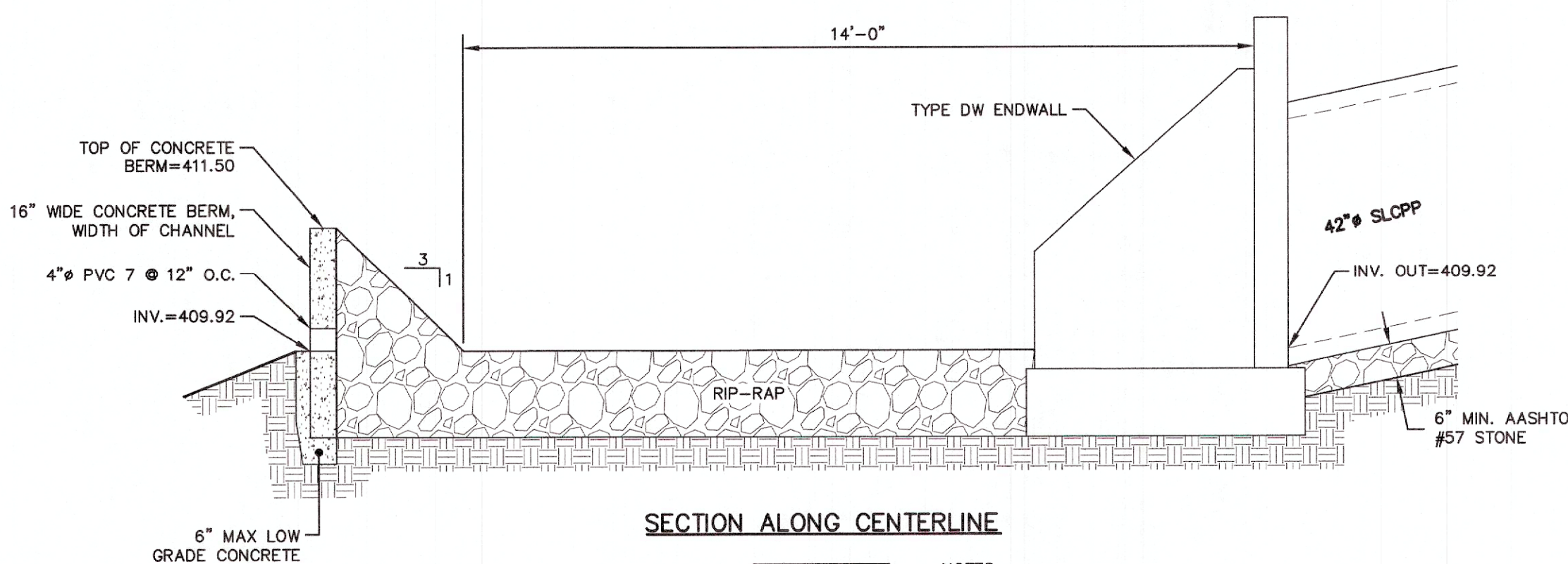
#### STANDARD CONSTRUCTION DETAIL #11-1 EROSION CONTROL BLANKET INSTALLATION N.T.S.



#### LOCATION #2 EXISTING CROSS SECTION AT BANK STABILIZATION (STA. 0+80 TO 1+20) N.T.S.



#### STREAM BANK STABILIZATION DETAIL (STA. 0+00 TO 0+35, 0+80 TO 1+20 AND 1+45 TO 1+80) N.T.S.

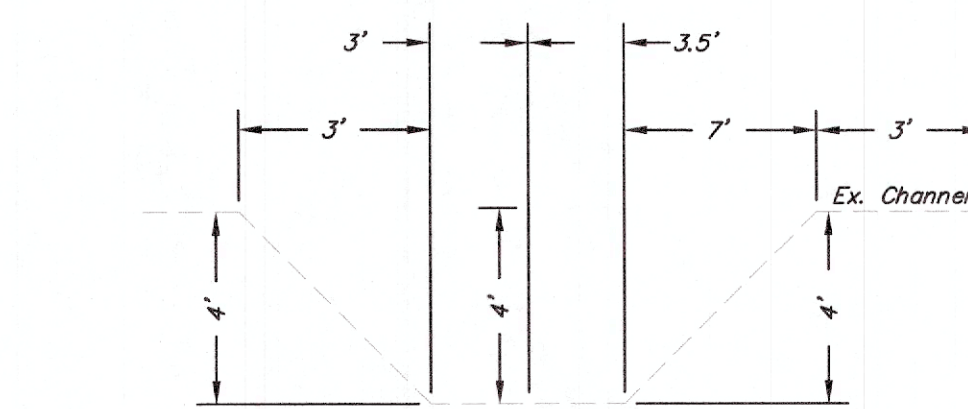


**NOTES:**

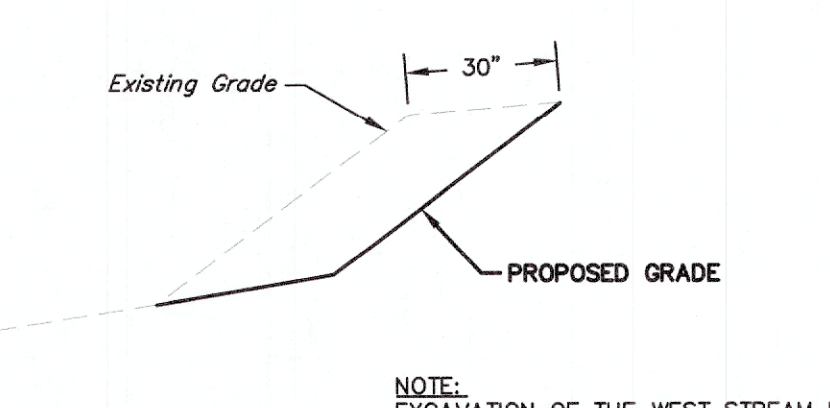
RIPRAP THICKNESS SHALL BE 1.5 TIMES THE MAXIMUM STONE SIZE.

#### STILLING BASIN WITH CONCRETE BERM N.T.S.

#### LOCATION #1 EXISTING CROSS SECTION AT BANK STABILIZATION (STA. 1+45 TO 1+80) N.T.S.



#### LOCATION #3 EXISTING CROSS SECTION AT BANK STABILIZATION (STA. 0+00 TO 0+35) N.T.S.



**NOTE:**

EXCAVATION OF THE WEST STREAM BANK SHALL BE EQUAL IN LENGTH AND WIDTH (OF SCOUR REPAIRS WITH RIPRAP) PROVIDED ON THE CORRESPONDING EAST BANK.

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EROSION AND SEDIMENT CONTROL DETAILS**

DOVER TOWNSHIP

YORK COUNTY, PENNSYLVANIA

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