













Consultants:

Seal:

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Project Identification:

**CHANNEL IMPROVEMENT  
IN THE  
ALTA VISTA BUSINESS  
PARK  
IN LOTS 11 AND 12**

**FALLOWFIELD TOWNSHIP,  
WASHINGTON COUNTY, PA**

No.:	Date:	Description:

Sheet Title:  
**POST DEVELOPMENT  
EROSION AND  
SEDIMENTATION CONTROL  
PLAN**

Project No.: 2025-1813.03

Cadd File: ES2.00.dwg

Drawn By: BJG

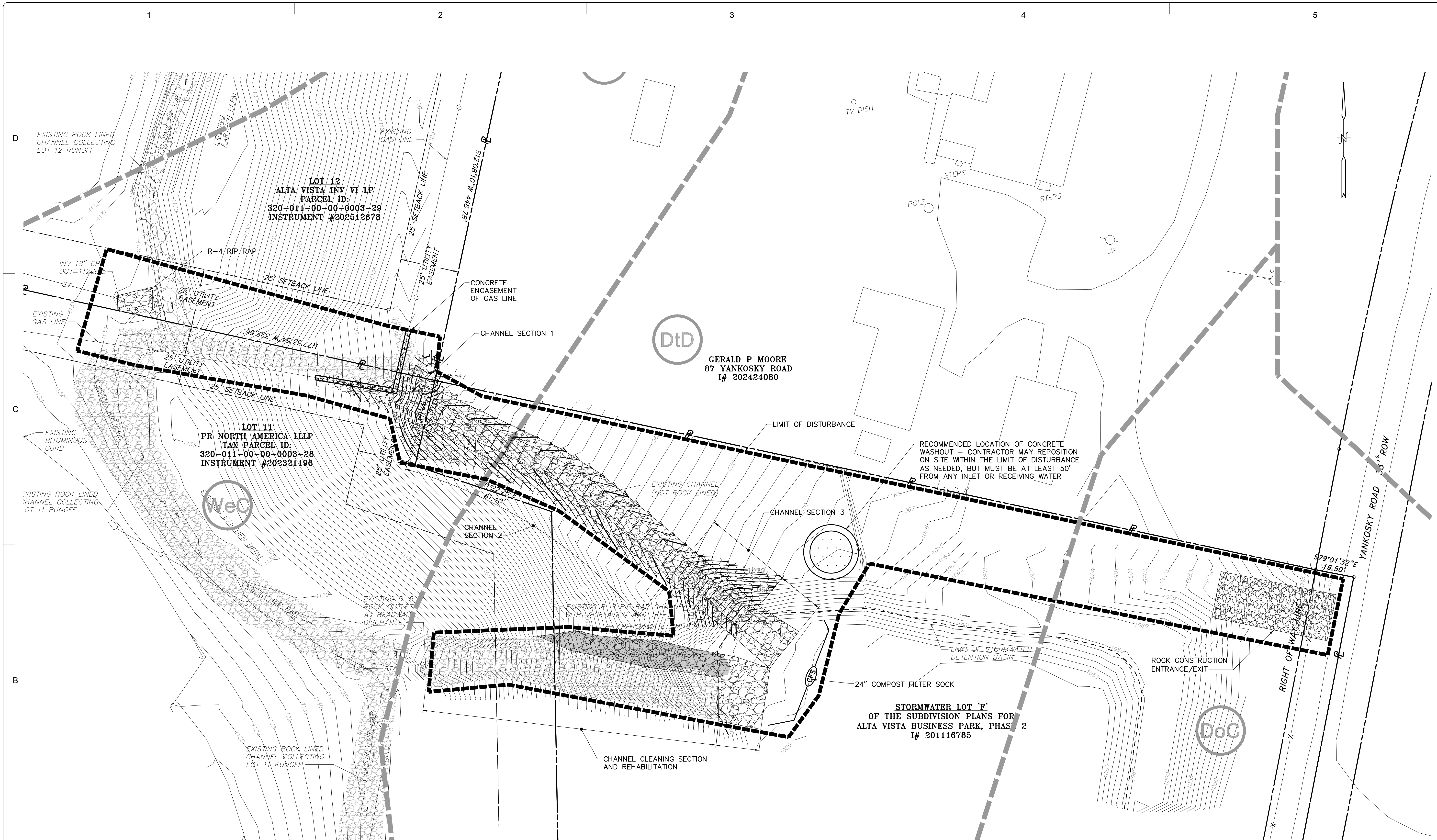
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Date: 04/07/2026

Drawing Number

**ES2.00**

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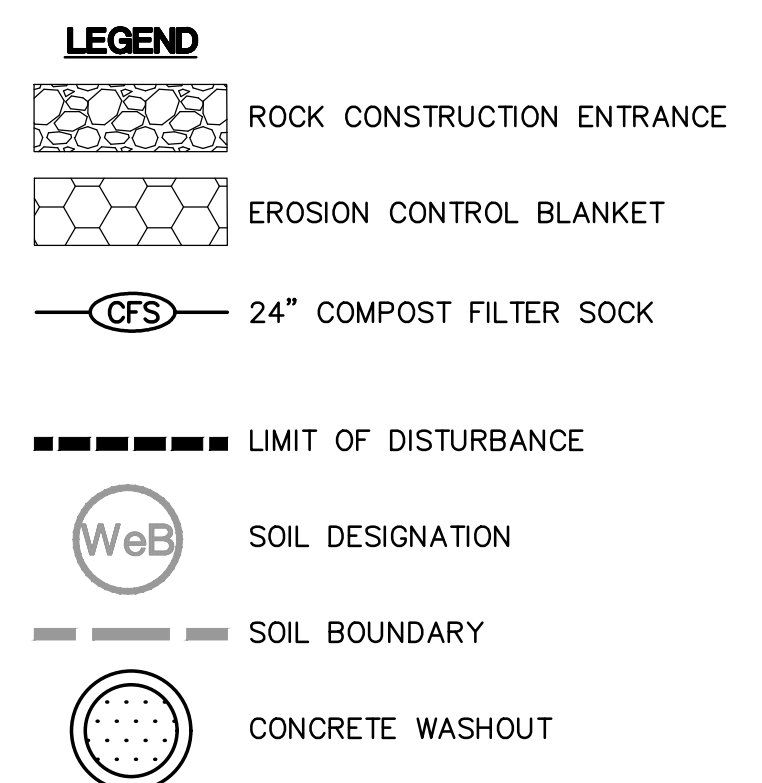
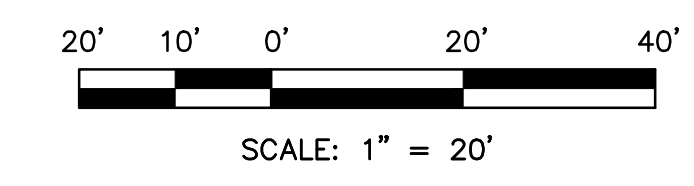


**GENERAL NOTES:**

- SEE DWG ES3.00-ES3.02 FOR GENERAL NOTES AND DETAILS
- LOCATIONS AND EXTENTS OF ROCK CONSTRUCTION ENTRANCE AND CONCRETE WASHOUT ARE APPROXIMATE. CONTRACTOR MAY ADJUST TO SUIT CONSTRUCTION ACTIVITIES. COORDINATE WITH WASHINGTON COUNTY CONSERVATION DISTRICT.

**SOIL TYPE SUMMARY:**

- WeC - WEIKERT-CULLEOKA COMPLEX, 8 TO 15 PERCENT SLOPES
- DoC - DORMONT SILT LOAM, 8 TO 15 PERCENT SLOPES
- DtD - DORMONT-CULLEOKA COMPLEX, 15 TO 25 PERCENT SLOPES



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**INTERIM STABILIZATION**

INTERIM STABILIZATION MUST BE IMPLEMENTED IMMEDIATELY TO ANY DISTURBED AREA ON WHICH EARTH MOVING ACTIVITIES HAVE CEASED. INTERIM STABILIZATION IN THE EVENT OF PLANNED OR UNPLANNED PROJECT SUSPENSION WILL CONSIST OF MULCHING OF DISTURBED AREAS DURING WINTER OR NONGROWING SEASONS. GROWING SEASONS STABILIZATION WILL CONSIST OF TEMPORARY SEEDING ACCORDING TO PROVIDED SPECIFICATIONS, AND MULCHING OF THE DISTURBED AREAS. FALL CUTOFF FOR SEEDING WILL BE APPROXIMATELY THE END OF OCTOBER, DEPENDING UPON LOCAL WEATHER CONDITIONS. DISTURBED AREAS WHICH ARE NOT AT FINISHED GRADE AND WHICH WILL BE REDISTURBED WITHIN ONE (1) YEAR MUST BE STABILIZED IN ACCORDANCE WITH TEMPORARY SEEDING SPECIFICATIONS. DISTURBED AREAS WHICH ARE EITHER AT FINISHED GRADE OR WILL NOT BE REDISTURBED WITHIN ONE (1) YEAR MUST BE STABILIZED IN ACCORDANCE WITH PERMANENT SEEDING SPECIFICATIONS.

**TEMPORARY SEEDING SPECIFICATIONS**

MULCH – CLEAN OAT OR WHEAT STRAW SHALL BE FREE FROM MANURE, SEED-BEARING STALKS OR ROOTS OF PROHIBITED OR NOXIOUS WEEDS AS DEFINED BY THE PENNSYLVANIA SEED ACT 1947. APPLY AT A RATE OF 3 BALES PER 1,000 SQUARE FEET (3 TONS PER ACRE). PRECAUTIONS SHALL BE TAKEN TO STABILIZE THE MULCH UNTIL THE VEGETATIVE COVER IS ESTABLISHED. STRAW SHALL BE SUITABLE FOR SPREADING WITH THE STANDARD MULCH BLOWER EQUIPMENT.

SEED MIXTURE – SHALL BEAR A GUARANTEED STATEMENT OF ANALYSIS AND SHALL BE COMPOSED OF THE VARIETIES FOLLOWING AND MIXED IN THE PROPORTIONS SPECIFIED.

TEMPORARY SEED MIXTURE	% BY WEIGHT	MINIMUM % PURITY	MINIMUM % GERMINATION	MAXIMUM % WEED SEED	SEEDING RATE LBS. PER 1000 SY
PADOT FORMULA E ANNUAL RYEGRASS (Lolium multiflorum)	100	95	90	0.10	10.0 TOTAL

TEMPORARY SEEDING APPLICATION SHALL BE IN ACCORDANCE WITH THE MOST CURRENT EDITION OF PADOT PUB. 408 AND ALL SUPPLEMENTS THERETO.

ALL AREAS TO BE SEEDED SHALL BE LOOSENEED TO A DEPTH OF AT LEAST TWO INCHES BY MECHANICAL MEANS.

MULCH SEEDED AREAS IMMEDIATELY AFTER SEEDING.

FERTILIZER – USE DRY FORMULATIONS OF 10–10–10 ANALYSIS FOR SEEDED AREAS AND APPLY AT A RATE OF 100 LB PER 1000 SQ. YD. (500 LB PER ACRE).

**PERMANENT SEEDING SPECIFICATIONS**

SEED – UNLESS OTHERWISE SPECIFIED ON DRAWINGS, CONTRACTOR SHALL PROVIDE MODIFIED PADOT FORMULA "B" FOR ALL LAWN AREAS WITH SLOPES LESS THAN 3:1, AND FORMULA "L" FOR ALL SLOPE AREAS EQUAL TO OR STEEPER THAN 3:1. SEEDING QUALITY REQUIREMENTS SHALL BE IN ACCORDANCE WITH SECTION 804, TABLE A OF THE PADOT FORM 408, MOST CURRENT EDITION.

MULCH – ALL MULCH SHALL BE AIR-DRIED AND REASONABLY FREE OF NOXIOUS WEEDS AND SEEDS, USE PEAT PROCESSED PINE OR HEMLOCK BARK, WELL ROTTED AND SEASONED, AS APPROVED. STRAW SHALL BE STALKS OF RYE, OATS OR WHEAT, STRAW SHALL BE SUITABLE FOR SPREADING WITH STANDARD MULCH BLOWER EQUIPMENT. APPLY AT A RATE OF 1200 POUNDS PER 1000 SQUARE YARDS. MULCH TO CONFORM TO REQUIREMENTS OF PADOT FORM 408, SECTION 805, MOST CURRENT EDITION.

SEED MIXTURE – SHALL BEAR A GUARANTEED STATEMENT OF ANALYSIS AND SHALL BE COMPOSED OF THE VARIETIES FOLLOWING AND MIXED IN THE PROPORTIONS SPECIFIED.

TOPSOIL MUST BE PLACED A MINIMUM OF 2" ON FILL OUTSLOPES AND A 4" MINIMUM ON ALL AREAS TO RECEIVE VEGETATIVE STABILIZATION IN ORDER TO ENSURE PROPER GROWTH.

PERMANENT SEED MIXTURE	% BY WEIGHT	MINIMUM % PURITY	MINIMUM % GERMINATION	MAXIMUM % WEED SEED	SEEDING RATE LBS./1000 SY
PADOT FORMULA B					44.0 TOTAL
PERENNIAL RYEGRASS MIXTURE (Lolium perenne)	20	97	90	0.10	8.5
CREeping RED FESCUE OR CHEWINGS FESCUE (Festuca rubra OR Festuca rubra spp commutata)	30	97	85	0.10	12.5
KENTUCKY BLUEGRASS MIXTURE (Poa pratensis)	45	97	80	0.15	21.0
ANNUAL RYEGRASS (Lolium multiflorum)	5	95	90	0.10	2.0
PADOT FORMULA L (SLOPES STEEPER THAN 3:1)					48.0 TOTAL
HARD FESCUE MIXTURE (Festuca longifolia)	55	97	85	0.10	26.4
CREeping RED FESCUE (Festuca rubra)	35	97	85	0.10	16.8
ANNUAL RYEGRASS (Lolium Multiflorum)	10	95	90	0.10	4.8

SOIL SUPPLEMENTS (PULVERIZED AGRICULTURAL LIMESTONE) SHALL BE APPLIED AT A RATE OF 800 POUNDS PER 1000 SQUARE YARDS OVER ALL SEEDED AREAS.

ALL AREAS TO BE SEEDED SHALL BE LOOSENEED TO A DEPTH OF AT LEAST THREE INCHES BY MECHANICAL MEANS.

MULCH AND LIME SEEDED AREAS IMMEDIATELY AFTER SEEDING.

FERTILIZER – USE DRY FORMULATIONS OF 10–20–20 ANALYSIS, COMMERCIAL FERTILIZER SHALL BE APPLIED AT A RATE OF 140 LB/1000 SY FOR SEEDED AND SODDED AREAS. FERTILIZER TO CONFORM TO REQUIREMENTS OF PADOT FORM 408, SECTION 804, MOST CURRENT EDITION.

**MAINTENANCE**

- CONTRACTOR SHALL IMPLEMENT THE EROSION AND SEDIMENT POLLUTION CONTROL PLAN IN ACCORDANCE WITH THE DRAWINGS.
- ALL EROSION AND SEDIMENTATION CONTROL BMP'S SHALL BE INSPECTED ON A WEEKLY BASIS AND FOLLOWING PRECIPITATION EVENTS. ALL MEASURES STATED ON THIS EROSION AND SEDIMENT CONTROL PLAN, AND IN THE STORM WATER POLLUTION PREVENTION PLAN, SHALL BE MAINTAINED IN FULLY FUNCTIONAL CONDITION UNTIL NO LONGER REQUIRED FOR A COMPLETED PHASE OF WORK OR FINAL STABILIZATION OF THE SITE. ALL EROSION AND SEDIMENTATION CONTROL MEASURES SHALL BE CHECKED BY A QUALIFIED PERSON IN ACCORDANCE WITH THE CONTRACT DOCUMENTS OR THE APPLICABLE PERMIT, WHICHEVER IS MORE STRINGENT, AND REPAIRED IN ACCORDANCE WITH THE FOLLOWING:
  - ALL SEEDED AREAS SHALL BE CHECKED REGULARLY TO SEE THAT A GOOD STAND IS MAINTAINED. AREAS SHOULD BE FERTILIZED, WATERED, AND RESEEDED AS NEEDED. ANY PERMANENTLY SEEDED AREAS THAT BECOME ERODED WILL HAVE THE TOPSOIL REPLACED, THE EROSION CONTROL MATTING REPLACED (IF APPLICABLE), THE GRASS RESEWN, AND MULCH REAPPLIED.
  - COMPOST FILTER SOCKS SHALL BE REPAIRED TO THEIR ORIGINAL CONDITIONS IF DAMAGED. SEDIMENT SHALL BE REMOVED FROM THE COMPOST FILTER SOCKS WHEN IT REACHES ONE-HALF THE HEIGHT OF THE COMPOST FILTER SOCKS.
  - THE ROCK CONSTRUCTION ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOW OF MUD ONTO PUBLIC RIGHTS-OF-WAY. THIS MAY REQUIRE PERIODIC TOP DRESSING OF THE CONSTRUCTION ENTRANCE AS CONDITIONS DEMAND.
  - THE TEMPORARY PARKING AND STORAGE AREA SHALL BE KEPT IN GOOD CONDITION (SUITABLE FOR PARKING AND STORAGE). THIS MAY REQUIRE PERIODIC TOP DRESSING OF THE TEMPORARY PARKING AND STORAGE AREA AS CONDITIONS DEMAND.
  - ALL NECESSARY REPAIRS AND/OR REPLACEMENT TO EROSION AND SEDIMENTATION CONTROL BMP'S SHALL BE MADE IMMEDIATELY AFTER THE INSPECTION WHICH IDENTIFIED THE DEFICIENCY. IN NO INSTANCE SHALL THE REPAIR AND/OR REPLACEMENT OF A BMP EXTEND BEYOND 24 HOURS FROM THE TIME OF THE INSPECTION WHICH IDENTIFIED THE DEFICIENCY.
- AT NO TIME WILL SEDIMENT BE ALLOWED TO LEAVE THE SITE AND ENTER COMMONWEALTH WATERS.
- A COPY OF THIS PLAN MUST BE KEPT AVAILABLE FOR INSPECTION ON THE CONSTRUCTION SITE AT ALL TIMES THROUGHOUT THE TERM OF THE PROJECT.
- THE INTENT OF THIS PLAN IS TO INDICATE GENERAL MEANS OF COMPLIANCE WITH THE REQUIREMENTS OF THE RULES AND REGULATIONS OF CHAPTER 102 OF THE DEPARTMENT OF ENVIRONMENTAL PROTECTION (AS AUTHORIZED UNDER THE CLEAN STREAMS LAW). IT WILL BE THE RESPONSIBILITY OF THE CONTRACTOR TO IMPLEMENT THESE METHODS, PLUS ADDITIONAL PROCEDURES IN ORDER TO ASSURE COMPLIANCE WITH APPLICABLE LAW. IT WILL FURTHER BE THE RESPONSIBILITY OF THE CONTRACTOR TO MAINTAIN ALL EROSION AND SEDIMENT CONTROL FACILITIES SO THAT THEY PERFORM AS REQUIRED BY APPLICABLE LAW.
- FINES AND RELATED COSTS RESULTING FROM THE CONTRACTOR'S FAILURE TO PROVIDE ADEQUATE PROTECTION AGAINST SOIL EROSION AND FOR ANY VIOLATIONS OF THE CLEAN STREAMS LAW AND THE RULES AND REGULATIONS PROMULGATED THEREUNDER SHALL BE BORNE BY THE CONTRACTOR.

**GENERAL EROSION AND SEDIMENT CONTROL REQUIREMENTS FOR PIPELINE AND UTILITY INSTALLATION**

LIMIT ADVANCE CLEARING AND GRUBBING OPERATIONS TO A DISTANCE EQUAL TO TWO TIMES THE LENGTH OF PIPE INSTALLATION THAT CAN BE COMPLETED IN ONE DAY.

WORK CREWS AND EQUIPMENT FOR TRENCHING, PLACEMENT OF PIPE AND BACKFILLING WILL BE SELF CONTAINED AND SEPARATE FROM CLEARING AND GRUBBING, AND SITE RESTORATION AND STABILIZATION OPERATIONS.

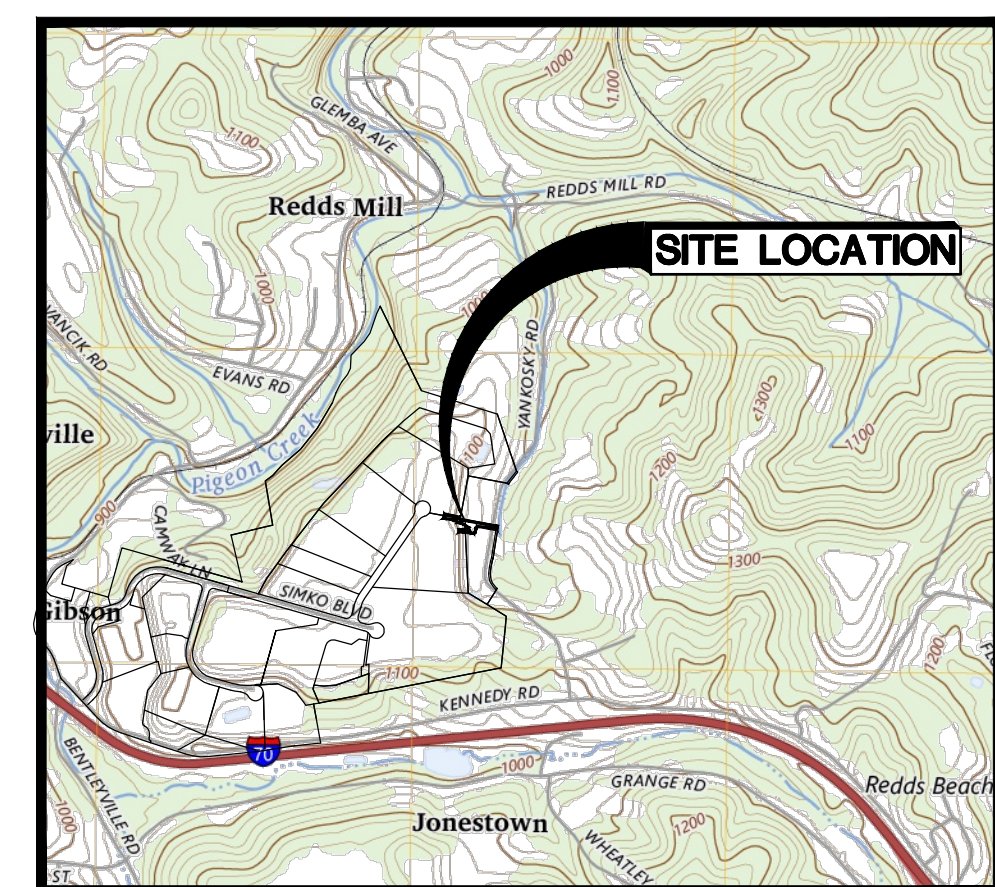
LIMIT DAILY TRENCH EXCAVATION TO THE LENGTH OF PIPE PLACEMENT AND BACKFILLING THAT CAN BE COMPLETED THE SAME DAY. NO MORE THAN 50 LINEAR FEET OF OPEN TRENCH SHALL EXIST WHEN PIPELINE/UTILITY LINE INSTALLATION CEASES AT THE END OF THE WORK DAY.

WATER WHICH ACCUMULATES IN THE OPEN TRENCH WILL BE COMPLETELY REMOVED BY PUMPING BEFORE PIPE PLACEMENT AND/OR BACKFILLING BEGINS. PUMPED WATER WILL BE DISCHARGED THROUGH A COMMERCIALY AVAILABLE SEDIMENT FILTER BAG (SEE DETAIL).

ON THE DAY FOLLOWING PIPE PLACEMENT AND TRENCH BACKFILLING, THE DISTURBED AREA WILL BE GRADED TO FINAL CONTOURS, AND APPROPRIATE PERMANENT/TEMPORARY EROSION AND SEDIMENT POLLUTION CONTROL MEASURES/FACILITIES WILL BE INSTALLED. SEEDING AND MULCHING OF ALL DISTURBED AREAS SHALL BE COMPLETED WITHIN SEVEN DAYS AFTER THE PIPELINE/UTILITY LINE IS INSTALLED.

**GEOLOGIC ASSESSMENT & FORMATIONS/SOIL CONDITIONS POTENTIAL TO CAUSE POLLUTION**

THE SITE DOES NOT CONTAIN ANY GEOLOGIC FORMATIONS OR SOIL CONDITIONS THAT HAVE THE POTENTIAL TO CAUSE POLLUTION. IF DURING CONSTRUCTION AN AREA IS LOCATED AND/OR UNCOVERED THAT MAY CAUSE POLLUTION TO THE SITE THE MATERIAL WILL BE REMOVED, DISPOSED OR TREATED ACCORDING TO ALL STATE AND FEDERAL REGULATIONS.



**LOCATION MAP**  
SCALE: 1" = 2000'



**SOILS MAP**  
SCALE: 1" = 500'

**CLEAN FILL AND ENVIRONMENTAL DUE DILIGENCE**

THE NPDES PERMIT, WHERE THE EROSION AND SEDIMENTATION POLLUTION CONTROL PLAN IS PART OF, COVERS THE "MOVING, DEPOSITING, STOCKPILING, OR STORING OF SOIL, ROCK OR EARTH MATERIALS". IF THIS PROJECT WILL NEED FILL IMPORTED FROM AN OFF SITE LOCATION, THE RESPONSIBILITY FOR PERFORMING ENVIRONMENTAL DUE DILIGENCE AND THE DETERMINATION OF CLEAN FILL WILL RESIDE WITH THE CONTRACTOR. 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 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 OF ENVIRONMENTAL PROTECTION'S POLICY "MANAGEMENT OF FILL". CLEAN FILL IS DEFINED AS: UNCONTAMINATED, NON-WATER SOLUBLE, NON-DECOMPOSABLE, INERT, SOLID MATERIAL. THE TERM INCLUDES SOIL, ROCK, STONE, DREGGED 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 STATE OF UTAH UNLESS OTHERWISE AUTHORIZED. (THE TERM "USED ASPHALT" DOES NOT INCLUDE MILLED ASPHALT OR ASPHALT THAT HAS BEEN PROCESSED FOR RE-USE.) 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 OF ENVIRONMENTAL PROTECTION'S MUNICIPAL OR UTAH DEPARTMENT OF ENVIRONMENTAL QUALITY. UTAH CODE TITLE 19 CHAPTERS 16 PART 1. AS ALL CUT AND FILL MATERIALS FOR THIS PROJECT WILL BE USED ON SITE, A CLEAN FILL DETERMINATION IS NOT REQUIRED BY THE CONTRACTOR UNLESS THERE IS A BELIEF THAT A SPILL OR RELEASE OF A REGULATED SUBSTANCE HAS OCCURRED.

**DOCUMENTATION OF BMP INSPECTION, REPAIR & REPLACEMENT**

THE CONTRACTOR SHALL KEEP WRITTEN RECORDS DOCUMENTING THE INSPECTION, REPAIR AND REPLACEMENT OF ALL BMP'S AND SHALL PROVIDE COPIES TO THE OWNER AND WASHINGTON COUNTY CONSERVATION DISTRICT UPON REQUEST.

**RECYCLING AND/OR DISPOSAL OF PROJECT WASTE**

PROJECT CONSTRUCTION WASTES SHALL CONSIST OF UNSUITABLE MATERIAL FOR USE AS A FILL OR BACKFILL MATERIAL. SUCH MATERIAL SHALL CONSIST OF CLAY, ROCK, EXCESS MATERIAL, TRASH AND DEBRIS. ALL WASTE MATERIAL SHALL BE STOCKPILED AND PROPERLY STABILIZED UNTIL THE WASTE CAN BE PROPERLY RECYCLED OR DISPOSED OF OFF SITE AT A WASTE DISPOSAL SITE THAT HAS BEEN APPROVED BY THE UTAH DEPARTMENT OF ENVIRONMENTAL PROTECTION. OTHER WASTE ITEMS SUCH AS GLASS, PLASTIC, OR METALS MUST BE DISPOSED OF IN ACCORDANCE WITH ANY LOCAL RECYCLING PROGRAM. A CONCRETE WASHOUT FACILITY SHALL BE PROVIDED FOR THE CLEANING OF CHUTES, MIXERS AND HOPPERS OF DELIVERY TRUCKS.

**OFFSITE WASTE AND BORROW AREAS**

OFFSITE WASTE AND BORROW AREAS FOR THE PROJECT SHALL BE PART OF THE PROJECT EROSION AND SEDIMENTATION CONTROL PLAN, SINCE THE OFFSITE AREA IS WITHIN 1/4 OF A MILE FROM THE PROJECT SITE, AND SHALL BE APPROVED BY THE WASHINGTON COUNTY CONSERVATION DISTRICT.

**RECEIVING WATERS OF THE COMMONWEALTH**

MIDDLE MONONGAHELA RIVER WATERSHED WHICH MAY RECEIVE RUNOFF FROM THE PROJECT INCLUDE PIGEON CREEK.

**PROJECT STORM WATER RUNOFF**

- RECEIVING WATER – PIGEON CREEK (WWF=WARM WATER FISHES)
- AQUATIC LIFE – UNKNOWN

**A SEQUENCE OF BMP INSTALLATION AND REMOVAL IN RELATION TO THE SCHEDULING OF EARTH DISTURBANCE ACTIVITIES PRIOR TO, DURING, AND AFTER EARTH DISTURBANCE ACTIVITIES**

ANTICIPATED CONSTRUCTION BEGIN DATE: SUMMER 2026

- CONTRACTOR AND/OR DEVELOPER SHALL NOTIFY THE WASHINGTON COUNTY CONSERVATION DISTRICT SEVEN (7) TO 10 DAYS PRIOR TO THE START OF CONSTRUCTION.
- PRIOR TO CONSTRUCTION, CONTRACTOR SHALL FIELD MARK THE LIMITS OF DISTURBANCE AT THE LOCATION INDICATED ON THE PLANS.
- INSTALL ROCK CONSTRUCTION ENTRANCE/EXIT AT THE LOCATION INDICATED ON THE PLANS.
- CESSATION OF CONSTRUCTION ACTIVITY FOR FOUR (4) OR MORE DAYS REQUIRES TEMPORARY STABILIZATION.
- INSTALL COMPOST FILTER SOCKS DOWNSLOPE OF THE PROPOSED WORK AREA AND INLET PROTECTION IN ALL INLETS THAT RECEIVE CONSTRUCTION STORMWATER RUNOFF. REFER TO THE PLANS FOR THE LOCATION OF THE COMPOST FILTER SOCKS AND INLET PROTECTION. NO EARTHMOVING OPERATIONS SHALL BEGIN UNTIL ALL COMPOST FILTER SOCKS AND INLET PROTECTION HAVE BEEN PROPERLY INSTALLED. NO COMPOST FILTER SOCKS SHALL BE REMOVED UNTIL THE CONTRIBUTORY AREA DRAINING TO A SECTION OF COMPOST FILTER SOCK IS STABILIZED.
- CLEAR AND GRUB PROJECT AREA. STRIP ALL THE TOPSOIL AND PLACE IN DESIGNATED TOPSOIL STOCKPILE AREA. COMPOST FILTER SOCK SHALL BE PLACED ON THE DOWNSLOPE SIDE OF THE TOPSOIL STOCKPILE AS SHOWN ON THE PLAN. TEMPORARY SEEDING SHALL BE PLACED ON THE TOPSOIL STOCKPILE (REFER TO TEMPORARY SEEDING SPECIFICATIONS). MINIMIZE MOVING AND REPLACING COMPOST FILTER SOCK TO LIMIT DAMAGE TO THE SOCK.
- THE CONCRETE WASHOUTS SHALL BE INSTALLED.
- INSTALL CONCRETE ENCASEMENT AROUND GAS LINE.
- BEGIN EARTHWORK FOR REPAIR OF CHANNELS.
- PERFORM GRADING TO BRING THE SITE TO FINAL GRADE ELEVATIONS.
- SPREAD TOPSOIL OVER ALL DISTURBED AREAS NOT TO BE PAVED. SEED IN ACCORDANCE TO PERMANENT SEEDING SPECIFICATIONS.
- REMOVE TEMPORARY EROSION AND SEDIMENTATION CONTROL MEASURES ONCE PERMANENT MEASURES ARE ESTABLISHED. PERMANENT CONTROL IS CONSIDERED ACHIEVED WHEN AREAS ARE PAVED AND A 70 PERCENT UNIFORM PERENNIAL VEGETATIVE COVER IS ESTABLISHED ON ALL SEEDED AREAS. ALL TEMPORARY EROSION AND SEDIMENTATION PLAN CONTROLS ARE TO BE ASSESSED/INSPECTED BY THE WASHINGTON COUNTY CONSERVATION DISTRICT PERSONNEL TO VERIFY THAT SUFFICIENT VEGETAL COVER HAS BEEN ATTAINED PRIOR TO THE REMOVAL OR CONVERSION OF EROSION AND SEDIMENTATION PLAN CONTROLS. ANY AREAS DISTURBED DURING THE REMOVAL OF THE TEMPORARY CONTROLS SHALL BE REPAIRED WITHIN EIGHT HOURS.
- FINAL CLEANUP OF PROJECT SITE – THE CONTRACTOR SHALL DISPOSE OF ALL WASTE MATERIAL OFF SITE IN A LAWFUL MANNER, AT A PERMITTED SITE.

ANTICIPATED CONSTRUCTION COMPLETION DATE: SUMMER 2026

Consultants:

Seal:

Seal:

Project Identification:

**CHANNEL IMPROVEMENT  
IN THE  
ALTA VISTA BUSINESS  
PARK  
IN LOTS 11 AND 12**

**FALLOWFIELD TOWNSHIP,  
WASHINGTON COUNTY, PA**

No.: Date: Description:

Sheet Title:  
**EROSION AND  
SEDIMENTATION CONTROL  
NOTES**

Project No.: 2025-1813.03

Cadd File: ES3.00-ES3.02.dwg

Drawn By: BJG

Checked By: KAG

Date: 04/07/2026

Drawing Number

**ES3.00**

**EROSION AND SEDIMENTATION CONTROL MAINTENANCE SCHEDULE**

CONTROL MEASURE	INSPECT	PROBLEMS TO LOOK FOR	POSSIBLE REMEDIES
VEGETATION	ONCE A WEEK	SEDIMENT AT TOE OF SLOPE	CHECK FOR TOP-OF-SLOPE DIVERSION AND INSTALL IF NEEDED
	AND AFTER EVERY STORM/SNOW MELT RUNOFF EVENT	RILLS AND GULLIES FORMING	FILL RILLS AND REGRADE GULLIED SLOPES
		BARE SOIL PATCHES	RESEED, FERTILIZE AND MULCH BARE AREAS
		UNDERCUTTING OF SOCK	ADD SECTION OF SOCK
COMPOST	ONCE A WEEK	UNDERCUTTING OF SOCK	ADD SECTION OF SOCK
FILTER SOCK	AND AFTER EVERY STORM/SNOW MELT RUNOFF EVENT	SOCK COLLAPSING	REPLACE WITH PYRAMID OF SOCKS
		TORN SOCK	REPLACE WITH CONTINUOUS NEW SOCK FROM POST TO POST
			SECURELY ANCHOR WITH PROPER STAPLES
		RUNOFF ESCAPING AROUND INLET	EXTEND SOCK
		SEDIMENT LEVEL NEAR TOP OF SOCK	REMOVE SEDIMENT WHEN LEVEL REACHES HALF OF ITS HEIGHT
PUMPED WATER FILTER BAG	DAILY	FILTER BAG FULL OF SEDIMENT	REPLACE FILTER BAG WITH A NEW PUMPED WATER FILTER BAG. A REPLACEMENT FILTER BAG SHOULD BE AVAILABLE ON SITE AT ALL TIMES
	AND AFTER EVERY STORM/SNOW MELT RUNOFF EVENT		
		TORN OR DAMAGED FILTER BAG	REPLACE FILTER BAG WITH A NEW PUMPED WATER FILTER BAG. A REPLACEMENT FILTER BAG SHOULD BE AVAILABLE ON SITE AT ALL TIMES
		RUNOFF FROM FILTER BAG CREATING EROSION	PLACE FILTER BAG IN A STABILIZED AREA TO PREVENT ADDITIONAL EROSION FORMING FROM DISCHARGE LOCATION
CONCRETE WASHOUT	DAILY	DAMAGED OR LEAKING WASHOUTS	CONCRETE WASHOUT SHALL BE DEACTIVATED AND REPAIRED OR REPLACED IMMEDIATELY
	AND AFTER EVERY STORM/SNOW MELT RUNOFF EVENT		
		CONCRETE WASHOUT FULL OF MATERIAL	MATERIALS INSIDE CONCRETE WASHOUT SHALL BE REMOVED WHEN 75% OF CAPACITY IS REACHED
		PLASTIC LINER TORN	PLASTIC LINERS SHALL BE REPLACED WITH EACH CLEANING OF THE WASHOUT FACILITY

**SPECIFIC BMP MAINTENANCE INSTRUCTIONS**

**TEMPORARY VEGETATIVE COVER**

- A. SOW ANNUAL RYE GRASS AT THE RATE OF 43 POUNDS PER ACRE, ONE POUND PER 1000 SQFT. BY BROADCASTING, DRILLING, OR HYDRAULIC APPLICATION; PLUS A STRAW MULCH ANCHORED TO PREVENT LOSS.
- B. COVER GRASS SEED WITH 1/4" (6MM) OF SOIL USING SUITABLE EQUIPMENT FOR THAT PURPOSE. ADD LIME AND FERTILIZER (LIME=1 TON/AC, FERTILIZER = 5:5:5 MIX).
- C. MULCHING, WITHOUT SEEDING, IS TO BE USED AS AN INTERIM STABILIZATION CONTROL DURING NON-GROWING SEASONS OF THE YEAR

**ROCK CONSTRUCTION ENTRANCE**

- A. ROCK CONSTRUCTION ENTRANCE WILL BE PLACED AT THE LOCATION SHOWN ON THE PLAN AND CONSTRUCTED TO THE MINIMUM DIMENSIONS AS SHOWN ON THE DETAIL.
- B. THE ROCK CONSTRUCTION ENTRANCE THICKNESS WILL BE CONSTANTLY MAINTAINED TO THE SPECIFIED DIMENSION BY ADDING ROCK. A STOCKPILE OF ROCK MATERIAL WILL BE MAINTAINED ON SITE FOR THIS PURPOSE.
- C. AT THE END OF EACH CONSTRUCTION DAY, ALL SEDIMENT DEPOSITED ON PUBLIC AND PRIVATE ROADWAYS WILL BE REMOVED AND RETURNED TO THE CONSTRUCTION SITE. WASHING OF THE ROADWAYS IS NOT PERMITTED.

**COMPOST FILTER SOCKS**

- A. COMPOST FILTER SOCKS WILL BE PLACED AS SHOWN ON THE PLAN TO INTERCEPT THE STORM WATER, AND FILTER THE RUNOFF BEFORE IT LEAVES THE CONSTRUCTION SITE.
- B. COMPOST FILTER SOCKS ARE NOT PERMITTED IN ANY AREA OF CONCENTRATED FLOW SUCH AS DITCHES, SWALES, OR CHANNELS.
- C. ADD SECTION OF COMPOST FILTER SOCK FROM POST TO POST WHEN UNDERCUTTING OF COMPOST FILTER SOCK OCCURS.
- D. INSTALL COMPOST FILTER SOCKS IN ACCORDANCE WITH DETAILS AS SHOWN ON THE DRAWINGS.
- E. INSPECT COMPOST FILTER SOCKS AT LEAST ONCE A WEEK AND AFTER EACH RAINFALL EVENT. MAKE ANY REQUIRED REPAIRS IMMEDIATELY.
- F. ACCUMULATED SEDIMENT WILL BE REMOVED AS REQUIRED TO KEEP THE COMPOST FILTER SOCKS FUNCTIONAL. IN ALL CASES REMOVE DEPOSITS WHERE ACCUMULATIONS REACH 1/2 THE ABOVE GROUND HEIGHT OF THE COMPOST FILTER SOCK.
- G. THE REMOVED SEDIMENT IS TO BE USED FOR ON SITE GRADING, SEEDED, AND MULCHED.
- H. ANY COMPOST FILTER SOCK SECTION WHICH HAS BEEN UNDERMINED OR TOPPED MUST BE IMMEDIATELY REPLACED WITH A NEW COMPOST FILTER SOCK.
- I. ADHERE TO MANUFACTURERS RECOMMENDATIONS FOR REPLACING COMPOST FILTER SOCKS DUE TO WEATHERING.
- J. AFTER THE CONTRIBUTING DRAINAGE AREA HAS BEEN PERMANENTLY STABILIZED, REMOVE ALL COMPOST FILTER SOCKS AND UNSTABLE SEDIMENT DEPOSITS. BRING THE DISTURBED AREA TO GRADE AND STABILIZE.

**SYMBOL AND ABBREVIATION SCHEDULE**

AASHTO	AMERICAN ASSOCIATION OF STATE HIGHWAY AND TRANSPORTATION OFFICIALS	#	POUND/POUNDS/NUMBER	—G—	EXISTING GAS LINE
ACI	AMERICAN CONCRETE INSTITUTE	PSF	POUNDS PER SQUARE FOOT	—1401—	EXISTING CONTOUR
ASTM	AMERICAN SOCIETY FOR TESTING AND MATERIALS	PCF	POUNDS PER CUBIC FOOT	—W—	EXISTING WATER VALVE
AT	ARC LENGTH, LEFT	PVC	POLYVINYLCHLORIDE	—U—	EXISTING UTILITY POLE
BC	BOTTOM OF CURB	PC	PLAIN CEMENT/POINT OF CURVE	—E—	EXISTING ELECTRIC LINE
BW	BOTTOM OF WALL	PT	PROPERTY LINE	—E—	EXISTING UNDERGROUND ELECTRIC LINE
BY/4"	BROKEN YELLOW PAVEMENT LINE/WIDTH CALIPER	R	RADIUS, RIGHT	—ST—	EXISTING STORM SEWER LINE
CBR	CALIFORNIA BEARING RATIO	REINF	REINFORCED OR REINFORCEMENT	—SS—	EXISTING SANITARY SEWER LINE
CTR	CENTER TO CENTER	RCCP	REINFORCED CEMENT CONCRETE PIPE	—R—	EXISTING SANITARY SEWER MANHOLE
C/C	CENTERLINE	R/W	RIGHT-OF-WAY	—M—	EXISTING MANHOLE
CL	CLEAR	S	SOUTH	—L—	EXISTING LIGHT POLE
Co	COMPANY	SCH	SCHEDULE	—T—	EXISTING TELEPHONE LINE
C	CONDUIT	SEC	SECTION	—7—	EXISTING FENCE
CONC	CONCRETE	SEG	SEGMENT	—1401—	NEW CONTOUR
CONST	CONSTRUCTION	SPECS	SPECIFICATIONS	—E—	NEW ELECTRIC LINE
CONT	CONTINUOUS OR CONTINUED	SR	STATE ROUTE NUMBER	—FP—	NEW FIRE PROTECTION WATER LINE
CMP	CORRUGATED METAL PIPE	SF/SQ FT	SQUARE FEET	—TF—	NEW WATER TANK FILL LINE
CPP	CORRUGATED POLYETHYLENE PIPE	SWL	SINGLE WHITE LINE	—W—	NEW WATER LINE
d	DEEP OR DEPTH	SY	SQUARE YARD	—T—	NEW THRUST BLOCK
Da	DEGREE OF CURVE	T	TANGENT	—H—	NEW WATER VALVE
DR	DRIVE	T/	TOP OF	—A—	NEW FIRE HYDRANT
DN	DOWN	TC	TOP OF CURB	—●—	NEW SANITARY MANHOLE
DY	DOUBLE YELLOW LINE	TP	TOP OF PAVEMENT	—○—	NEW GAS METER
DY/4"	DOUBLE YELLOW PAVEMENT LINES/WIDTH	TW	TOP OF WALL	—□—	NEW STORM INLET
NPFL	NO PARKING FIRE LANE NUMBER	TV	TELEVISION	—(E)—	NEW ELECTRICAL MANHOLE
No	NUMBER	TYP	TYPICAL	—(T)—	NEW TELEPHONE HANDHOLE
Δ	DEFLECTION ANGLE	TYFMR	TRANSFORMER	—G—	NEW GAS LINE
DIA	DIAMETER	UN	UNLESS NOTED	—SS—	NEW SANITARY SEWER LINE
DI	DUCTILE IRON	USC & GS	UNITED STATES COAST AND GEODETIC SURVEY	—ST—	NEW STORM SEWER LINE
E	EAST	VERT	VERTICAL	—FO—	NEW FIBER OPTIC CONDUIT
EL/ELEV	ELEVATION	W	WIDTH/WEST	× 1234.56	SPOT ELEVATION
ELEC	ELECTRIC	WW	WATER VALVE	(10)	PARKING SPACE NUMBER
EM	ELECTRIC METER	WWF	WELDED WIRE FABRIC		
EOB	EDGE OF BERM	W/4"	WHITE PAVEMENT LINE/WIDTH		
EOP	EDGE OF PAVEMENT				
EQUIP	EQUIPMENT				
EQ	EQUAL				
E&S	EROSION AND SEDIMENTATION				
E&SC	EROSION AND SEDIMENTATION CONTROL				
EXP	EXPANSION				
FT/FT	FEET OR FOOT				
GM	GAS METER				
GPM	GALLONS PER MINUTE				
GA	GALUGE				
HP	HIGH POINT				
HT/H	HEIGHT				
HORIZ	HORIZONTAL				
INC	INCORPORATED				
INV	INVERT				
LP	LIGHT POLE				
MB	MAIL BOX				
MH	MANHOLE				
MAX	MAXIMUM				
MIN	MINIMUM				
MPH	MILES PER HOUR				
N	NORTH				
STA	STATION				
SR	STATE ROUTE				
OC	ON CENTER				
OD	OUTSIDE DIAMETER				
PADOT	PENNSYLVANIA DEPARTMENT OF TRANSPORTATION				
PI	POINT OF INTERSECTION/ PLASTICITY INDEX				
PUB	PUBLICATION				
PP	POWER POLE				

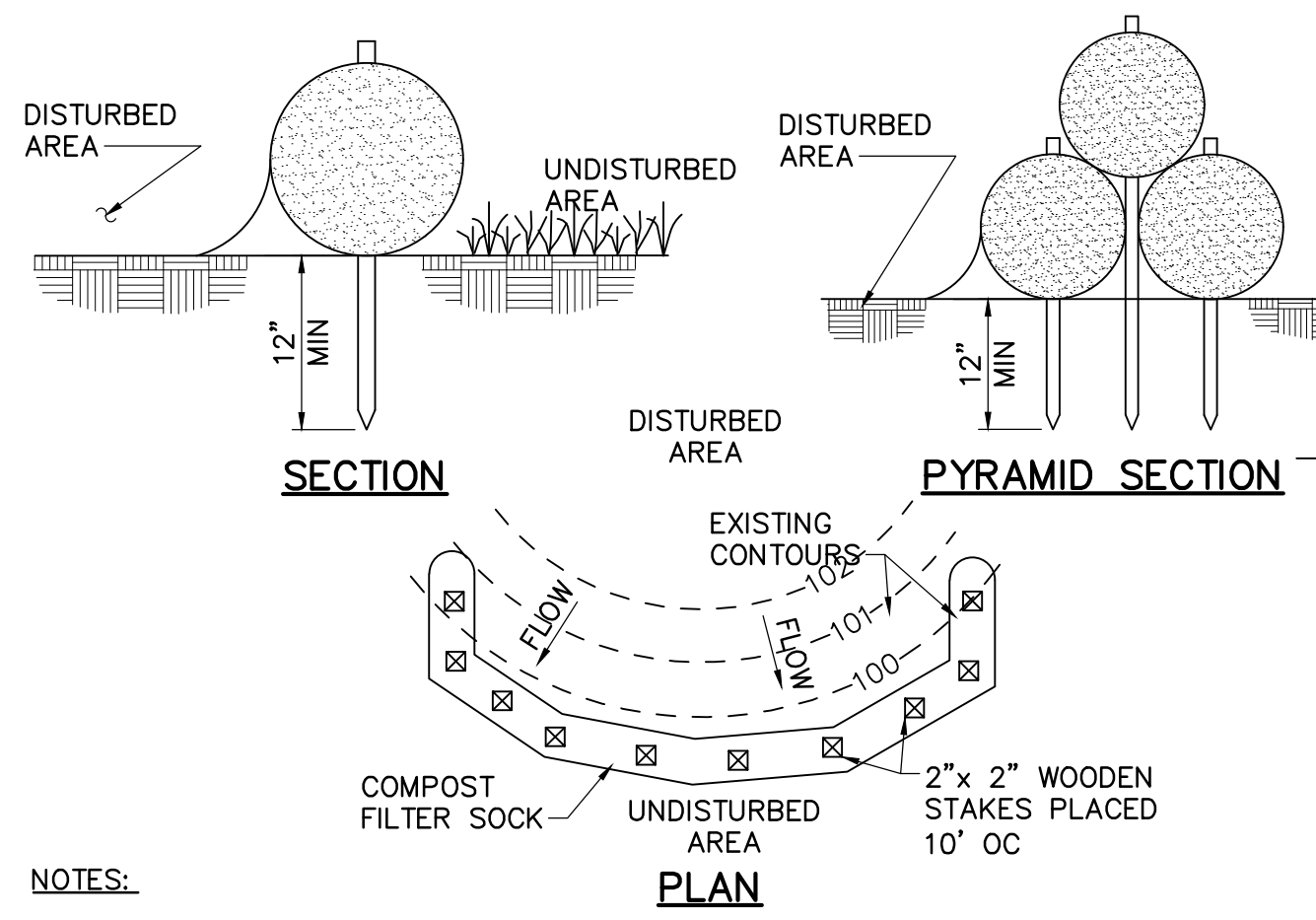
TABLE 4.1  
COMPOST SOCK FABRIC MINIMUM SPECIFICATIONS

MATERIAL TYPE	3 mil HOPE	5 mil HOPE	5 mil HOPE	MULTI-FILAMENT POLYPROPYLENE (MPPP)	HEAVY DUTY MULTI-FILAMENT POLYPROPYLENE (HDMPPP)
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

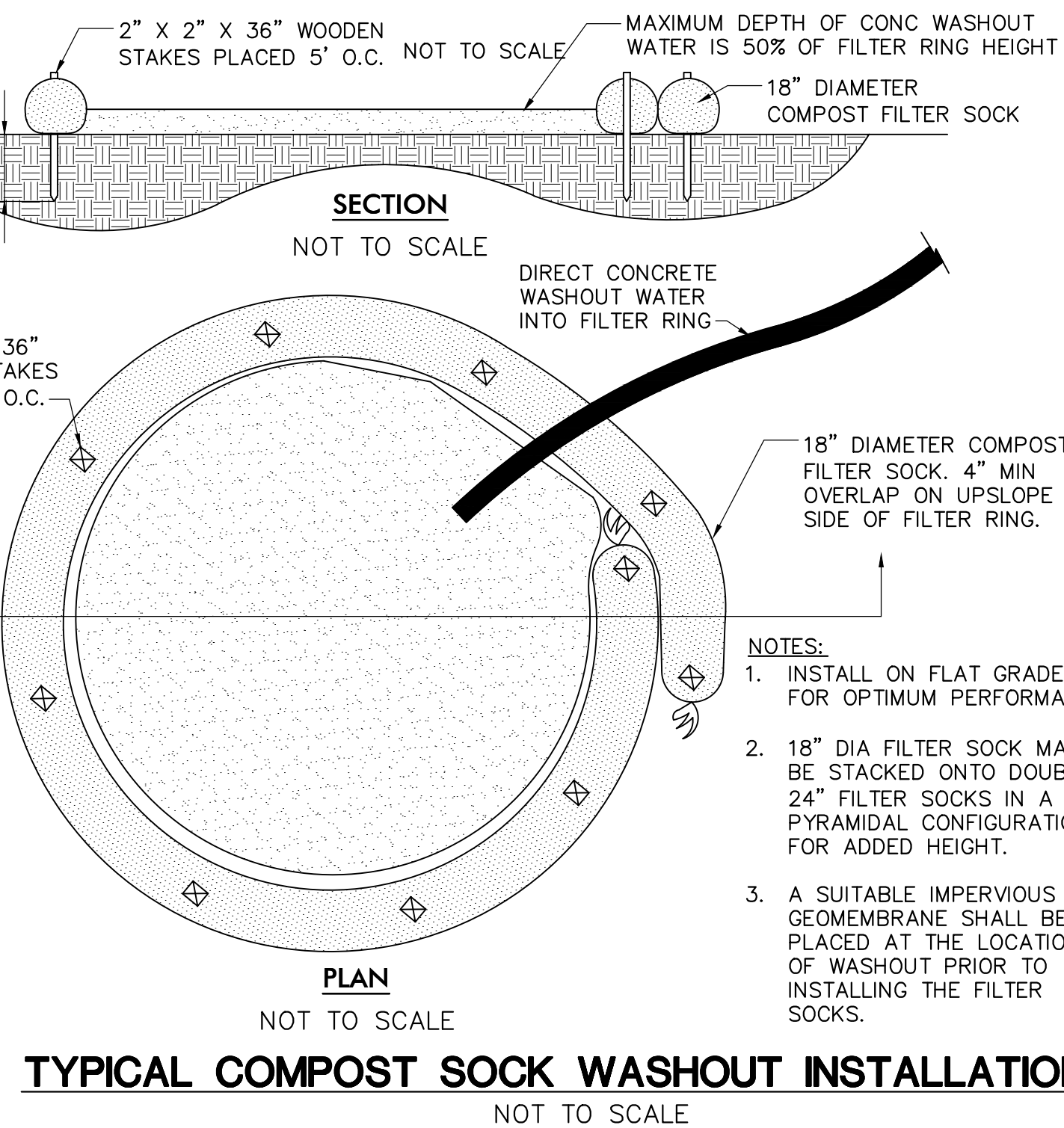
INNER CONTAINMENT NETTING	HOPE BIAXIAL NET
	CONTINUOUSLY WOUND FUSION-WELDED JUNCTURES
OUTER FILTRATION MESH	3/4" X 3/4" MAX. APERTURE SIZE
	COMPOSITE POLYPROPYLENE FABRIC (WOVEN LAYER AND NON-WOVEN FLEECE MECHANICALLY FUSED VIA NEEDLE PUNCH) 3/16" MAX. APERTURE SIZE

SOCK FABRICS COMPOSED OF BURLAP MAY BE USED ON PROJECTS LASTING 6 MONTHS OR LESS.

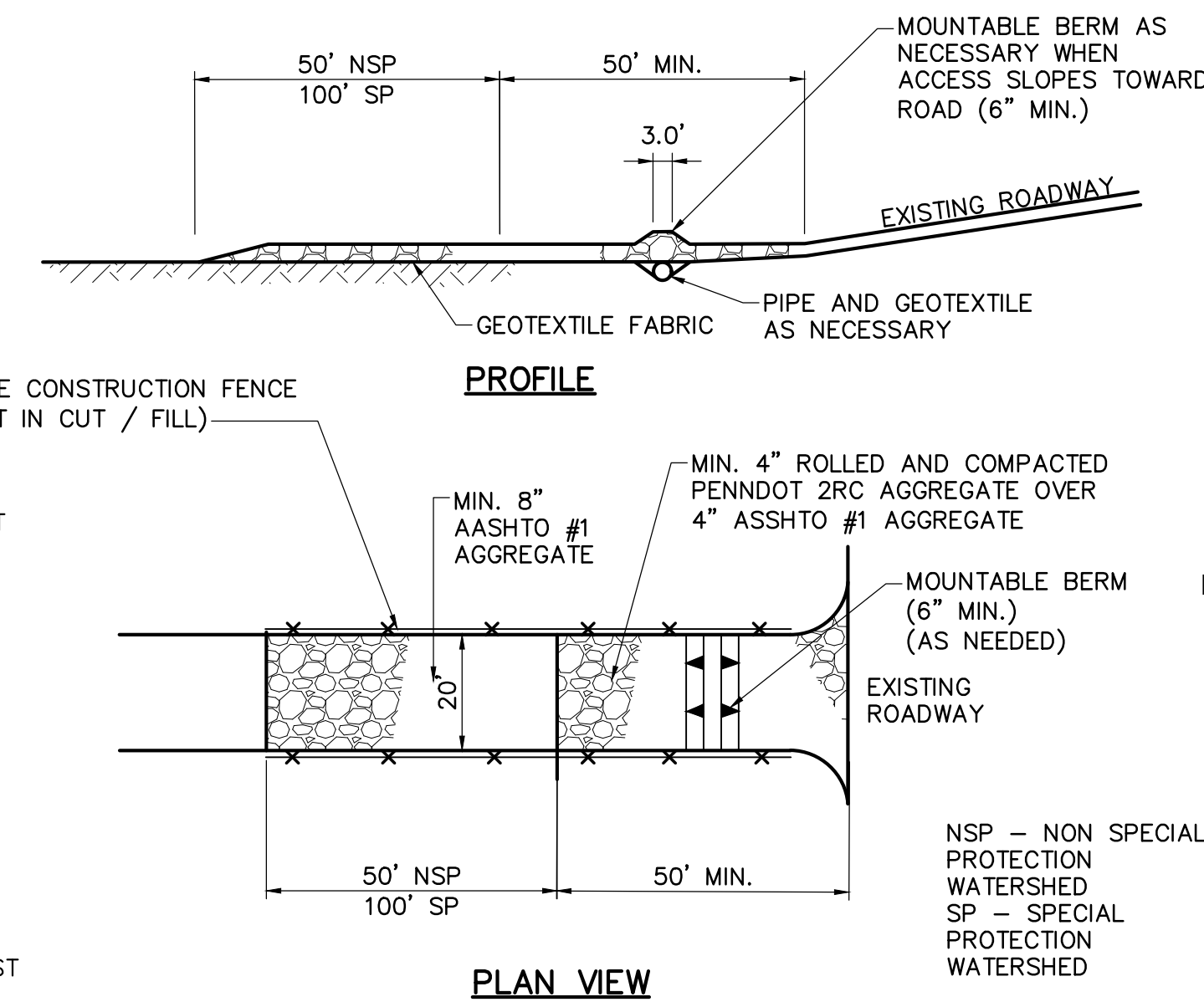


- NOTES:
- SOCK FABRIC SHALL MEET STANDARDS OF TABLE 4.1. COMPOST SHALL MEET THE STANDARDS OF TABLE 4.2.
  - COMPOST FILTER SOCK SHALL BE PLACED AT EXISTING LEVEL GRADE. BOTH ENDS OF FILTER SOCK SHALL BE EXTENDED AT LEAST 8 FEET UP SLOPE AT 45 DEGREES TO THE MAIN SOCK ALIGNMENT. STAKES MAY BE INSTALLED IMMEDIATELY DOWNSLOPE OF THE SOCK IF SO SPECIFIED BY THE MANUFACTURER.
  - TRAFFIC SHALL NOT BE PERMITTED TO CROSS FILTER SOCKS.
  - ACCUMULATED SEDIMENT SHALL BE REMOVED WHEN IT REACHES 1/2 THE ABOVE GROUND HEIGHT OF THE SOCK AND DISPOSED IN THE MANNER DESCRIBED ELSEWHERE IN THE PLAN
  - 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 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 AND THE MULCH SPREAD AS A SOIL SUPPLEMENT.
  - STAKES SPACED AT 10' MAXIMUM. USE 2"x 2" WOOD OR EQUIVALENT STEEL STAKES.

**COMPOST FILTER SOCK**  
NOT TO SCALE



**TYPICAL COMPOST SOCK WASHOUT INSTALLATION**  
NOT TO SCALE



- 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 WHERE 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 ROADWAY 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.

**ROCK CONSTRUCTION ENTRANCE (ABACT)**  
NOT TO SCALE

Consultants:

Seal:

Seal:

Project Identification:

**CHANNEL IMPROVEMENT  
IN THE  
ALTA VISTA BUSINESS  
PARK  
IN LOTS 11 AND 12**

**FALLOWFIELD TOWNSHIP,  
WASHINGTON COUNTY, PA**

No.: Date: Description:

Sheet Title:  
**EROSION AND  
SEDIMENTATION CONTROL  
NOTES AND DETAILS**

Project No.: 2025-1813.03

Cadd File: ES3.00-ES3.02.dwg

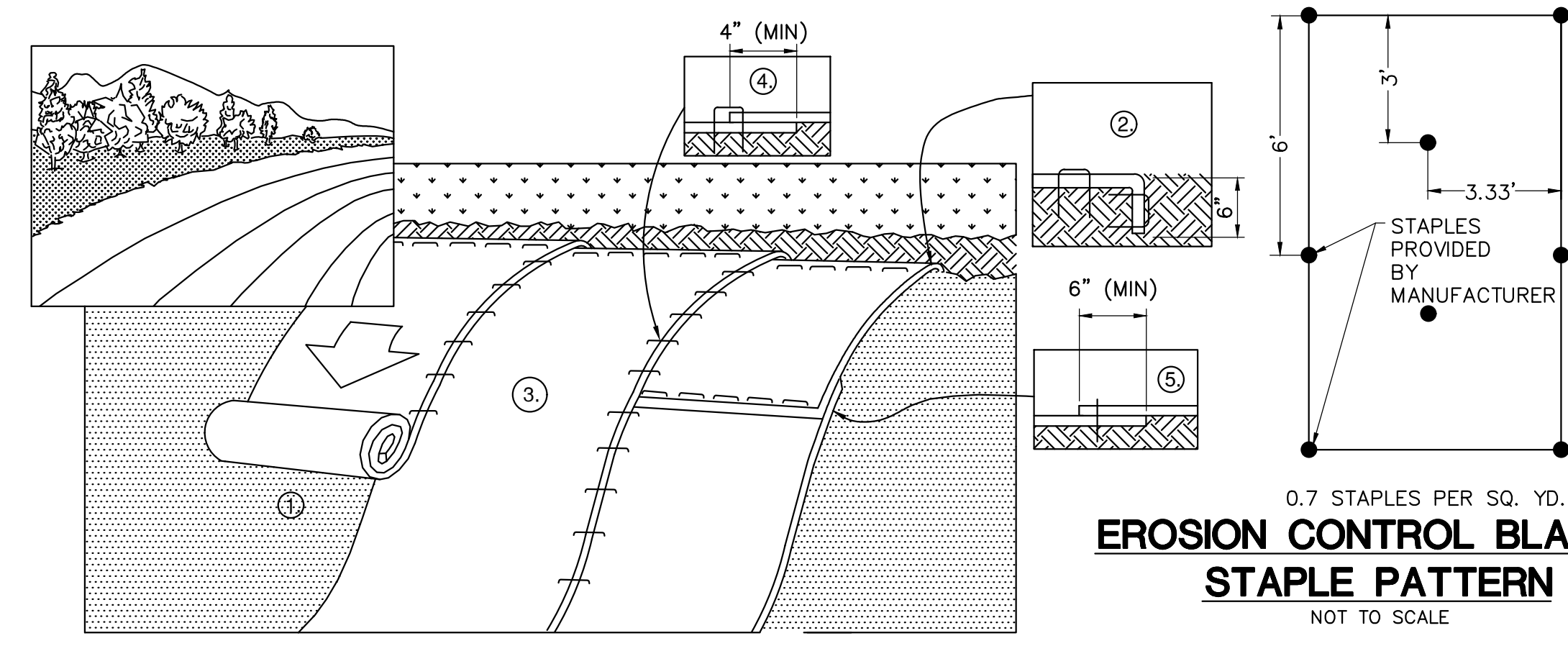
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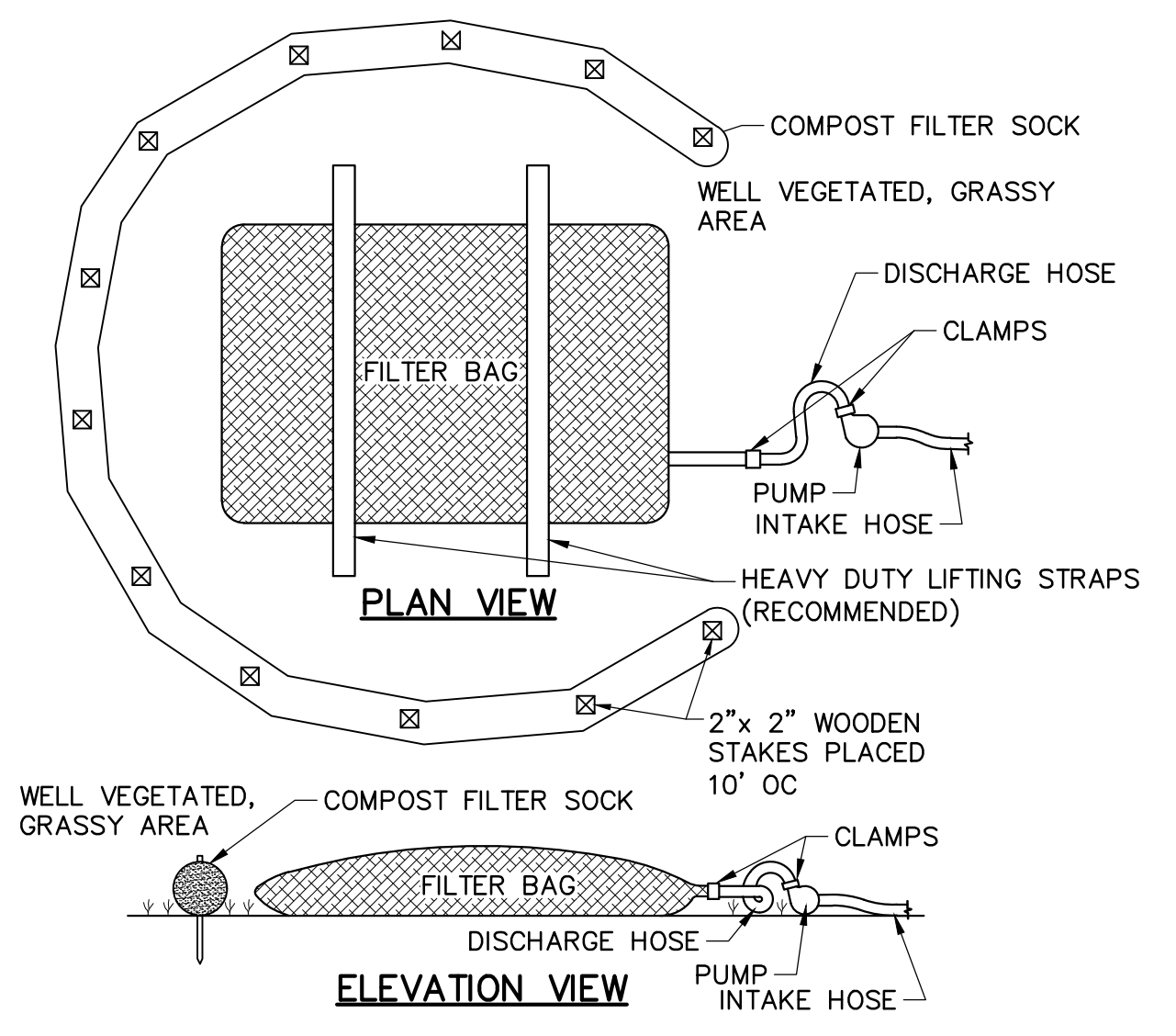


**EROSION CONTROL BLANKET STAPLE PATTERN**  
NOT TO SCALE

1. PREPARE SOIL (SEED BED) BEFORE INSTALLING BLANKETS, INCLUDING ANY NECESSARY APPLICATION OF LIME, FERTILIZER, AND SEED.
2. BEGIN AT THE TOP OF SLOPE. ROLL BLANKETS IN DIRECTION OF WATER FLOW. INSTALL BEGINNING OF ROLL IN 6"x6" ANCHOR TRENCH, STAPLE, BACKFILL, AND COMPACT SOIL.
3. ROLL THE BLANKETS DOWN THE SLOPE. BLANKETS WILL UNROLL WITH APPROPRIATE SIDE AGAINST THE SOIL SURFACE. ALL BLANKETS MUST BE SECURELY FASTENED TO SOIL SURFACE BY PLACING STAPLES/STAKES IN APPROPRIATE LOCATIONS AS PER MANUFACTURER'S RECOMMENDATION.
4. THE EDGES OF PARALLEL BLANKETS MUST BE STAPLED WITH MINIMUM 4" OVERLAP. TO ENSURE PROPER SEAM ALIGNMENT, PLACE THE EDGE OF THE OVERLAPPING BLANKET (BLANKET BEING INSTALLED ON TOP) EVEN WITH THE SEAM STITCH ON THE PREVIOUSLY INSTALLED BLANKET.
5. CONSECUTIVE BLANKETS SPICED DOWN THE SLOPE MUST BE PLACED WITH THE UPSLOPE BLANKET OVERLYING THE DOWNSLOPE BLANKET (SHINGLE STYLE) WITH AN MINIMUM 6" OVERLAP. STAPLE THROUGH OVERLAPPED AREA, REFER TO MANUFACTURER RECOMMENDATION FOR STAPLE PATTERN ACROSS ENTIRE BLANKET WIDTH.
6. PLACE STAPLES/STAKES PER MANUFACTURE RECOMMENDATION FOR THE APPROPRIATE LENGTH OF SLOPE AND STEEPNESS BEING BLANKETED. THE BLANKET SHOULD NOT BE STRETCHED; IT MUST MAINTAIN GOOD SOIL CONTACT.

- NOTES:**
1. IN LOOSE SOIL CONDITIONS, THE USE OF STAPLE OR STAKE LENGTHS GREATER THAN 6" MAY BE NECESSARY TO PROPERLY SECURE THE BLANKETS.
  2. FOLLOW EROSION CONTROL TECHNOLOGY COUNCIL SPECIFICATION FOR PRODUCT SELECTION
  3. SEED FILL SLOPES IN 15 FOOT INCREMENTS AS EMBANKMENT HEIGHT INCREASES.
  4. EROSION CONTROL BLANKETS SHOULD BE USED ON ALL CUT AND FILL SLOPES 3:1 OR GREATER.
  5. THE EROSION CONTROL BLANKET SHALL BE S75 AS MANUFACTURED BY NORTH AMERICAN GREEN OR APPROVED EQUAL.
  6. SEED AND SOIL AMENDMENTS SHALL BE APPLIED ACCORDING TO THE RATES IN THE PLAN DRAWINGS PRIOR TO INSTALLING THE BLANKETS.
  7. PROVIDE ANCHOR TRENCH AT TOE OF SLOPE IN SIMILAR FASHION AS AT TOP OF SLOPE.
  8. SLOPE SURFACE SHALL BE FREE OF ROCKS, CLODS, STICKS, AND GRASS.
  9. 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.
  10. THE BLANKET SHALL BE STAPLED IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS.
  11. 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.

**EROSION CONTROL BLANKET DETAIL (SLOPE INSTALLATION)**  
NOT TO SCALE



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 DETAIL FOR PUMPED WATER**  
NOT TO SCALE

Consultants:

Seal:

Seal:

Project Identification:

**CHANNEL IMPROVEMENT  
IN THE  
ALTA VISTA BUSINESS  
PARK  
IN LOTS 11 AND 12**

**FALLOWFIELD TOWNSHIP,  
WASHINGTON COUNTY, PA**

No.:	Date:	Description:

Sheet Title:  
**EROSION AND  
SEDIMENTATION CONTROL  
DETAILS**

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