LOWER MAKEFIELD TOWNSHIP, BUCKS COUNTY, PENNSYLVANIA

PROJECT OWNER/APPLICANT

TRANSCONTINENTAL GAS PIPE LINE COMPANY, LLC 2800 POST OAK BLVD, LEVEL 11 HOUSTON, TX 77056 PH: (713) 215-3427

PLAN PREPARER / ENGINEER

2525 GREEN TECH DRIVE, SUITE B STATE COLLEGE, PA 16803 PH: (814) 689-1650 CONTACT: RYAN NELSON. PROJECT MANAGER

BAI GROUP, LLC. 2525 GREEN TECH DRIVE, SUITE D STATE COLLEGE, PA 16803 PH: (814) 238-2060 CONTACT: KEVIN C. CLARK, P.E. PROJECT ENGINEER

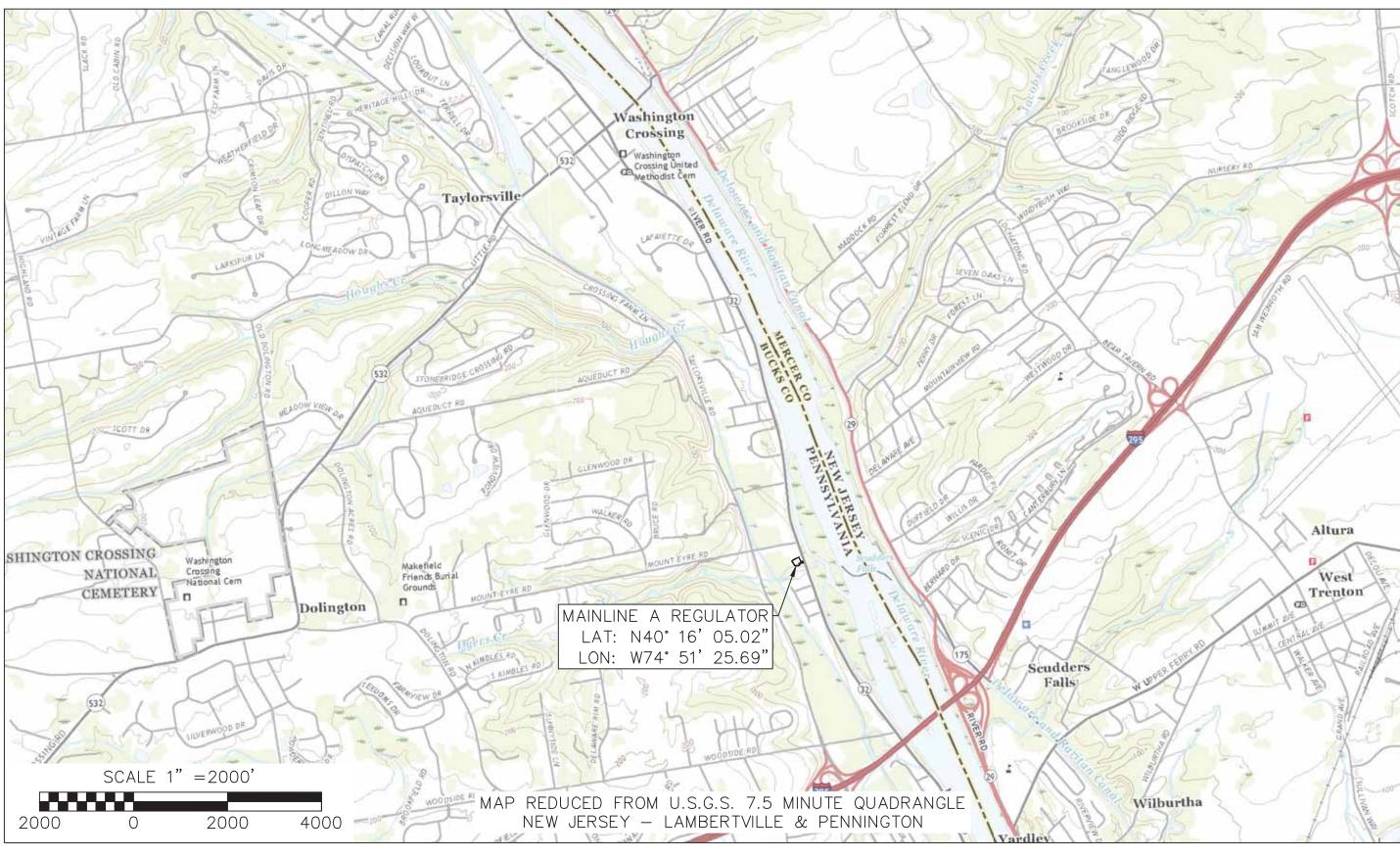
PROJECT INFORMATION

ESCP PERMIT BOUNDARY: 0.94 Ac.

LIMIT OF DISTURBANCE: 0.53 Ac.

PROJECT DESCRIPTION

TRANSCONTINENTAL GAS PIPE LINE COMPANY, LLC (TRANSCO), INDIRECTLY OWNED BY THE WILLIAMS COMPANIES, INC. (WILLIAMS) IS SEEKING AUTHORIZATION FROM THE FEDERAL ENERGY REGULATORY COMMISSION (FERC) UNDER SECTION 7(C) OF THE NATURAL GAS ACT TO CONSTRUCT, OWN, OPERATE, AND MAINTAIN THE PROPOSED PROJECT FACILITIES ASSOCIATED WITH THE REGIONAL ENERGY ACCESS EXPANSION PROJECT (PROJECT). THE PROJECT IS AN EXPANSION OF TRANSCO'S EXISTING NATURAL GAS TRANSMISSION SYSTEM THAT WILL ENABLE TRANSCO TO PROVIDE AN INCREMENTAL 829,400 DEKATHERMS PER DAY (DTH/D) OF YEAR-ROUND FIRM TRANSPORTATION CAPACITY FROM THE MARCELLUS SHALE PRODUCTION AREA IN NORTHEASTERN PENNSYLVANIA TO MULTIPLE DELIVERY POINTS ALONG TRANSCO'S LEIDY LINE IN PA AND MAINLINE IN PA, NJ, AND MD. THE EXISTING MAINLINE A REGULATOR COMPONENT OF THE PROJECT IS LOCATED IN LOWER MAKEFIELD TOWNSHIP, BUCKS COUNTY. PROPOSED ARE FACILITY MODIFICATIONS TO ADD PRESSURE REGULATION CONTROLS TO EXISTING VALVE SETTINGS. SUBJECT TO FERC'S CERTIFICATION OF THE PROJECT AND RECEIPT OF THE NECESSARY PERMITS AND AUTHORIZATIONS, TRANSCO ANTICIPATES CONSTRUCTION OF THE PROJECT TO START IN THIRD QUARTER 2022 TO MEET A PROPOSED IN-SERVICE DATE OF DECEMBER 1, 2023.



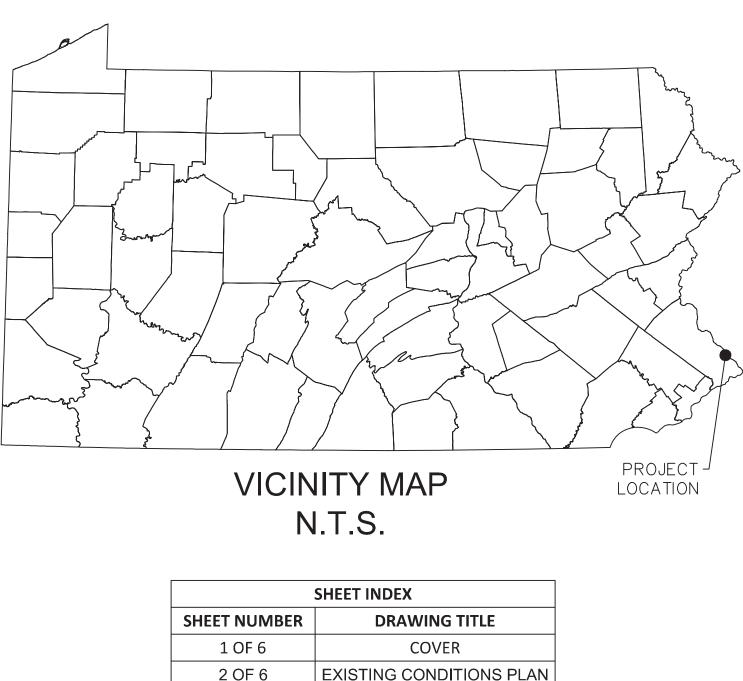
TRANSCONTINENTAL GAS PIPE LINE COMPANY, LLC SOIL EROSION & SEDIMENT CONTROL AND RESTORATION SITE PLAN **REGIONAL ENERGY ACCESS EXPANSION PROJECT**

MAINLINE A REGULATOR

APRIL 2021

LOCATION MAP





RECEIVING WATERS									
NAME	DESIGNATED USE	EXISTING USE							
DYERS CREEK	WWF, MF	N/A							
DELAWARE RIVER	WWF, MF	N/A							

E&S SITE PLAN

NOTES

DETAILS

3 OF 6

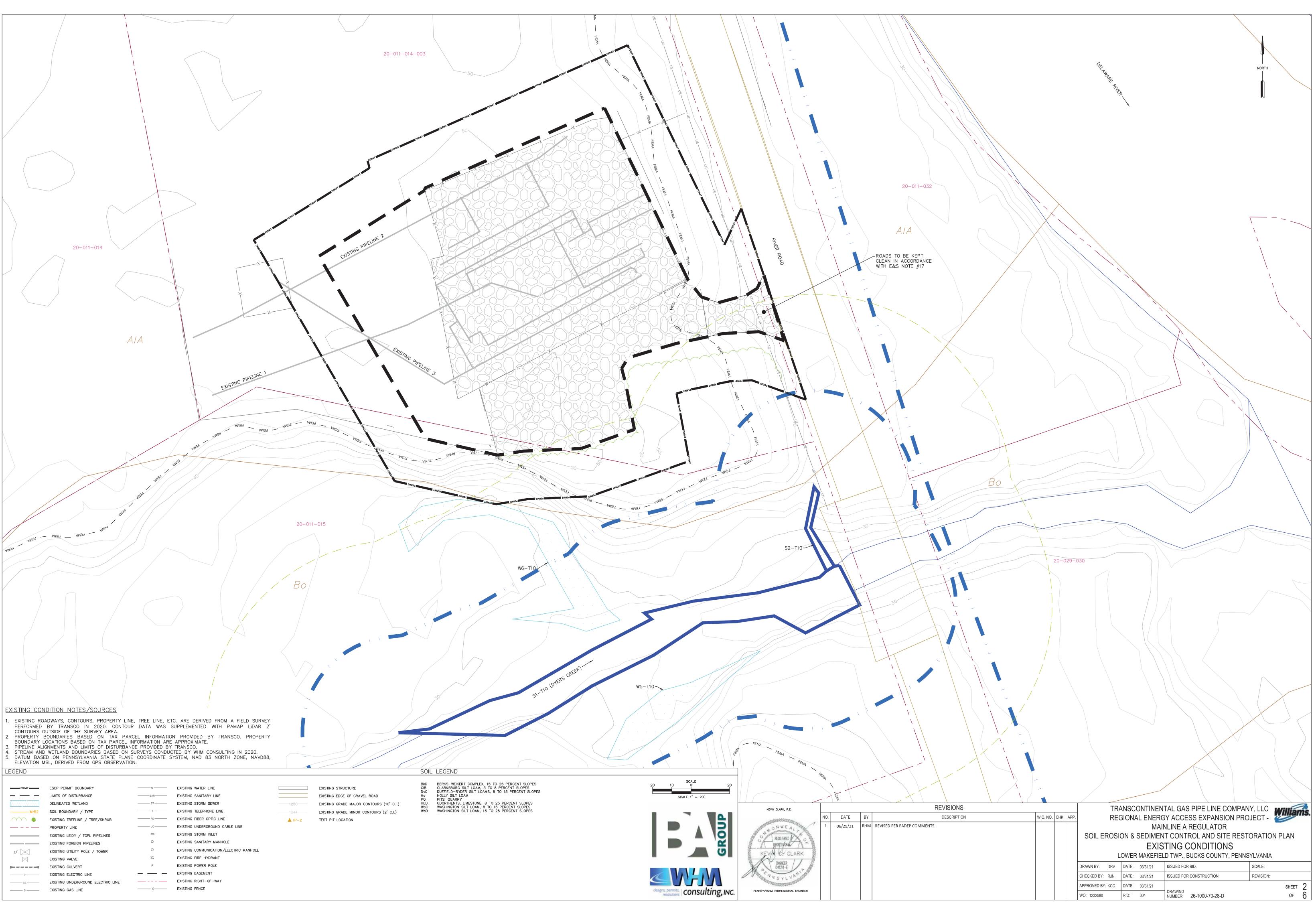
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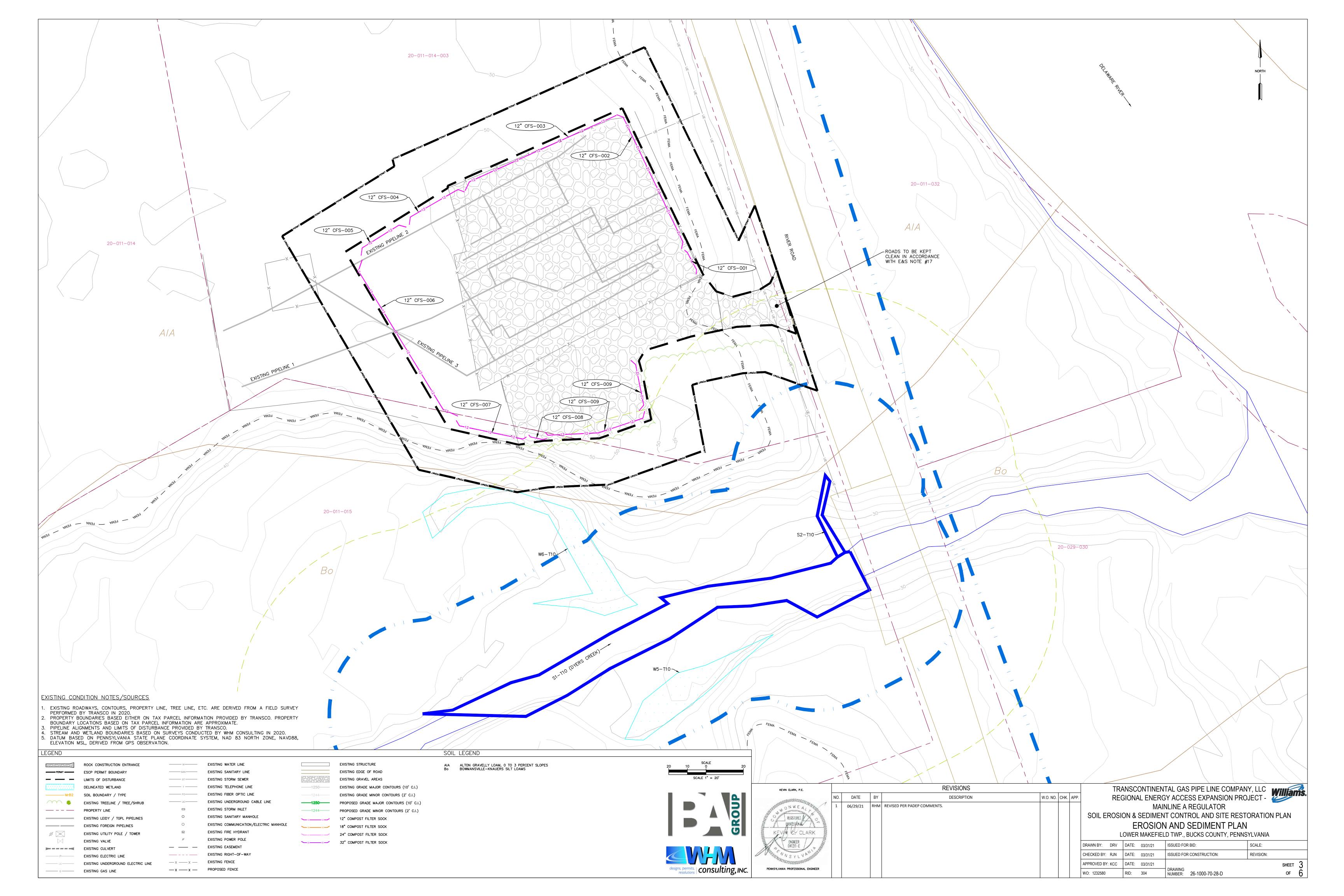
6 OF 6

E&S BMP LEGEND		
DESCRIPTION	SYMBOL	SHEET NUMBER
PUMP WATER FILTER BAG	PWB	6
COMPOST FILTER SOCK	CFS	6
EROSION CONTROL BLANKET	ECB	6
COMPOST SOCK CONCRETE WASHOUT INSTALLATION	CW	6
FILTER BAG INLET PROTECTION		6

XXX INDICATES SOIL EROSION CONTROL MEASURE DETAIL

REVISIONS				ļ ira	ANSC	ONTINEN	TAL GAS PIPE LINE COMPAN	NY, LLC Williams			
DESCRIPTION	W.O. NO.	СНК.	APP.	REC	GIONA	AL ENERG	GY ACCESS EXPANSION PRO	DJECT -			
ITS.						MAII	NLINE A REGULATOR				
				SOIL EROSI	SN &	SEDIMEN	IT CONTROL AND SITE REST	ORATION PLAN			
							COVER				
				L	LOWER MAKEFIELD TWP., BUCKS COUNTY, PENNSYLVANIA						
				DRAWN BY: DRV	DATE:	03/31/21	ISSUED FOR BID:	SCALE:			
				CHECKED BY: RJN	DATE:	03/31/21	ISSUED FOR CONSTRUCTION:	REVISION:			
				APPROVED BY: KCC	DATE:	03/31/21		SHEET 1			
				WO: 1232580	RID:	304	DRAWING NUMBER: 26-1000-70-28-D	OF 6			





<u>STANDARD EROSION AND SEDIMENT POLLUTION CONTROL NOTES</u>

- 1. 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 (STAMPED, SIGNED AND DATED BY THE REVIEWING AGENCY) MUST BE AVAILABLE AT THE PROJECT SITE AT ALL TIMES. THE REVIEWING AGENCY SHALL BE NOTIFIED OF ANY CHANGES TO THE APPROVED PLAN PRIOR TO IMPLEMENTATION OF THOSE CHANGES. THE REVIEWING AGENCY MAY REQUIRE A WRITTEN SUBMITTAL OF THOSE CHANGES FOR REVIEW AND APPROVAL AT ITS DISCRETION.
- 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, APPROPRIATE MUNICIPAL OFFICIALS, THE E&S PLAN PREPARER, THE PCSM PLAN PREPARER, THE LICENSED PROFESSIONAL RESPONSIBLE FOR OVERSIGHT OF CRITICAL STAGES OF IMPLEMENTATION OF THE PCSM PLAN, AND A REPRESENTATIVE FROM THE LOCAL COUNTY CONSERVATION DISTRICT TO AN ON-SITE PRECONSTRUCTION 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. 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 FROM THE LOCAL COUNTY CONSERVATION DISTRICT OR BY THE DEPARTMENT PRIOR TO IMPLEMENTATION
- 5. AREAS TO BE FILLED ARE TO BE CLEARED, GRUBBED, AND STRIPPED OF TOPSOIL TO REMOVE TREES, VEGETATION, ROOTS AND OTHER OBJECTIONABLE MATERIAL.
- 6. 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 MAY NOT COMMENCE IN ANY STAGE OR PHASE OF THE PROJECT UNTIL THE E&S BMPS SPECIFIED BY THE BMP SEQUENCE FOR THAT STAGE OR PHASE HAVE BEEN INSTALLED AND ARE FUNCTIONING AS DESCRIBED IN THIS E&S
- 7. 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.
- 8. TOPSOIL REQUIRED FOR THE ESTABLISHMENT OF VEGETATION SHALL BE STOCKPILED AT THE LOCATION(S) SHOWN ON THE PLAN MAPS IN THE AMOUNT NECESSARY TO COMPLETE THE FINISHED 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 2H: 1V OR FLATTER. STOCKPILES SHALL BE LOCATED WITHIN THE LIMIT OF DISTURBANCE (LOD). FILTER SOCK OR SILT FENCE SHALL BE PLACED DOWNGRADIENT OF STOCKPILES.
- 9. 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.
- 10. ALL BUILDING MATERIALS AND WASTES SHALL 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 MATERIALS SHALL BE BURNED, BURIED, DUMPED, OR DISCHARGED AT THE SITE.
- 11. ALL OFF-SITE WASTE AND BORROW AREAS MUST HAVE AN E&S PLAN APPROVED BY THE LOCAL COUNTY CONSERVATION DISTRICT OR THE DEPARTMENT FULLY IMPLEMENTED PRIOR TO BEING ACTIVATED.
- 12. THE CONTRACTOR IS RESPONSIBLE FOR ENSURING THAT ANY MATERIAL BROUGHT ON SITE IS CLEAN FILL. FORM FP-001 MUST BE RETAINED BY THE PROPERTY OWNER FOR ANY FILL MATERIAL AFFECTED BY A SPILL OR RELEASE OF A REGULATED SUBSTANCE BUT QUALIFYING AS CLEAN FILL DUE TO ANALYTICAL TESTING.
- 13. ALL PUMPING OF WATER FROM ANY WORK AREA SHALL BE DONE ACCORDING TO THE PROCEDURE DESCRIBED IN THIS PLAN, OVER UNDISTURBED VEGETATED AREAS. 14. VEHICLES AND EQUIPMENT MAY NEITHER ENTER DIRECTLY NOR EXIT DIRECTLY FROM LOTS AND ONTO ROADS AS IDENTIFIED ON THE PLANS.
- 15. 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, REGARDING, 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.
- 16. 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.
- 17. SEDIMENT TRACKED ONTO ANY PUBLIC ROADWAY OR SIDEWALK SHALL BE RETURNED TO THE CONSTRUCTION SITE AS NEEDED AND 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 SWEPT INTO ANY ROADSIDE DITCH, STORM SEWER, OR SURFACE WATER.
- 18. ALL SEDIMENT REMOVED FROM BMPS SHALL BE DISPOSED OF IN THE MANNER DESCRIBED ON THE PLAN DRAWINGS.
- 19. AREAS WHICH ARE TO BE TOPSOILED SHALL BE SCARIFIED TO A MINIMUM DEPTH OF 3 TO 5 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.
- 20. 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.
- 21. ALL EARTHEN FILLS SHALL BE PLACED IN COMPACTED LAYERS NOT TO EXCEED 9 INCHES IN THICKNESS.
- 22. 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.
- 23. FROZEN MATERIALS OR SOFT, MUCKY, OR HIGHLY COMPRESSIBLE MATERIALS SHALL NOT BE INCORPORATED INTO FILLS.
- 24. FILL SHALL NOT BE PLACED ON SATURATED OR FROZEN SURFACES.
- 25. SEEPS OR SPRINGS ENCOUNTERED DURING CONSTRUCTION SHALL BE HANDLED IN ACCORDANCE WITH THE STANDARD AND SPECIFICATION FOR SUBSURFACE DRAIN OR OTHER APPROVED METHOD.
- 26. ALL GRADED AREAS SHALL BE PERMANENTLY STABILIZED IMMEDIATELY UPON REACHING FINISHED GRADE. CUT SLOPES IN COMPETENT BEDROCK AND ROCK FILLS NEED NOT BE VEGETATED. SEEDED AREAS WITHIN 50 FEET OF A SURFACE WATER, OR AS OTHERWISE SHOWN ON THE PLAN DRAWINGS, SHALL BE BLANKETED ACCORDING TO THE STANDARDS OF THIS PLAN.
- 27. 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 1 YEAR, MAY BE STABILIZED IN ACCORDANCE WITH THE TEMPORARY STABILIZATION SPECIFICATIONS. THOSE AREAS WHICH WILL NOT BE REACTIVATED WITHIN 1 YEAR SHALL BE STABILIZED IN ACCORDANCE WITH THE PERMANENT STABILIZATION SPECIFICATIONS.
- 28. 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.
- 29. 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.
- 30. UPON COMPLETION OF ALL EARTH DISTURBANCE ACTIVITIES AND PERMANENT STABILIZATION OF ALL DISTURBED AREAS, THE OWNER AND/OR OPERATOR SHALL CONTACT THE LOCAL CONSERVATION DISTRICT FOR AN INSPECTION PRIOR TO REMOVAL/CONVERSION OF THE E&S BMPS.
- 31. AFTER FINAL SITE STABILIZATION HAS BEEN ACHIEVED, TEMPORARY EROSION AND SEDIMENT BMPS MUST BE REMOVED OR CONVERTED TO PERMANENT POST CONSTRUCTION STORMWATER MANAGEMENT BMPS. AREAS DISTURBED DURING REMOVAL OR CONVERSION OF THE 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.
- 32. UPON COMPLETION OF ALL EARTH DISTURBANCE ACTIVITIES AND PERMANENT STABILIZATION OF ALL DISTURBED AREAS, THE OWNER AND/OR OPERATOR SHALL CONTACT THE LOCAL COUNTY CONSERVATION DISTRICT TO SCHEDULE A FINAL INSPECTION.
- 33. 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 STREAMS 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.
- 34. CONCRETE WASH WATER SHALL BE HANDLED IN THE MANNER DESCRIBED ON THE PLAN DRAWINGS. IN NO CASE SHALL IT BE ALLOWED TO ENTER ANY SURFACE WATERS OR GROUNDWATER SYSTEMS.
- 35. ALL E&S CONVEYANCE CHANNELS SHALL BE KEPT FREE OF OBSTRUCTIONS INCLUDING BUT NOT LIMITED TO FILL, ROCKS, LEAVES, WOODY DEBRIS, ACCUMULATED SEDIMENT, EXCESS VEGETATION, AND CONSTRUCTION MATERIAL/WASTES.
- 36. UNDERGROUND UTILITIES CUTTING THROUGH ANY ACTIVE E&S CONVEYANCE CHANNELS SHALL BE IMMEDIATELY BACKFILLED AND THE CHANNEL RESTORED TO ITS ORIGINAL CROSS-SECTION AND PROTECTIVE LINING. ANY BASE FLOW WITHIN THE CHANNEL SHALL BE CONVEYED PAST THE WORK AREA IN THE MANNER DESCRIBED IN THIS PLAN UNTIL SUCH RESTORATION IS COMPLETE.
- 37. E&S CONVEYANCE CHANNELS HAVING RIPRAP, RENO MATTRESS, OR GABION LININGS MUST BE SUFFICIENTLY OVER-EXCAVATED SO THAT THE DESIGN DIMENSIONS WILL BE PROVIDED AFTER PLACEMENT OF THE PROTECTIVE LINING.
- 38. SEDIMENT BASINS AND/OR TRAPS SHALL BE KEPT FREE OF ALL CONSTRUCTION WASTE, WASH WATER, AND OTHER DEBRIS HAVING POTENTIAL TO CLOG THE BASIN/TRAP OUTLET STRUCTURES AND/OR POLLUTE THE SURFACE WATERS.
- 40. ANY DAMAGE THAT OCCURS IN WHOLE OR IN PART AS A RESULT OF BASIN OR TRAP DISCHARGE SHALL BE IMMEDIATELY REPAIRED BY THE PERMITTEE IN A PERMANENT MANNER SATISFACTORY TO THE MUNICIPALITY, LOCAL COUNTY CONSERVATION DISTRICT, AND THE OWNER OF THE

39. SEDIMENT BASINS SHALL BE PROTECTED FROM UNAUTHORIZED ACTS BY THIRD PARTIES.

- DAMAGED PROPERTY. 41. UPON REQUEST, THE APPLICANT OR HIS CONTRACTOR SHALL PROVIDE AN AS-BUILT (RECORD DRAWING) FOR ANY SEDIMENT BASIN OR TRAP TO THE MUNICIPAL INSPECTOR, LOCAL COUNTY CONSERVATION DISTRICT OR THE DEPARTMENT.
- 42. EROSION CONTROL BLANKETING SHALL BE INSTALLED ON ALL SLOPES 3H:1V OR STEEPER, WITHIN 100' OF A STREAM OR WETLAND IN A HIGH QUALITY OR EXCEPTIONAL VALUE WATERSHED, WITHIN 50' OF A STREAM OR WETLAND IN A NON-HIGH QUALITY OR EXCEPTIONAL VALUE WATERSHED, AND ON ALL OTHER DISTURBED AREAS SPECIFIED ON THE PLAN MAPS AND/OR DETAIL SHEETS.
- 43. FILL MATERIAL FOR EMBANKMENTS SHALL BE FREE OF ROOTS, OR OTHER WOODY VEGETATION, ORGANIC MATERIAL, LARGE STONES, AND OTHER OBJECTIONABLE MATERIALS.

- BMP INSTALLATION SEQUENCE
- THE DESIGNEES WHO WILL BE RESPONSIBLE FOR THE CRITICAL STAGES OF THE APPROVED PCSM/RESTORATION PLAN ..

- APRONS AS DESIGNATED ON THE PLANS.

1. AT LEAST 10 WORKING DAYS AHEAD OF STARTING ANY EARTH DISTURBANCE ACTIVITIES, OR EXPANDING INTO AN AREA PREVIOUSLY UNMARKED, THE CONTRACTOR SHALL INITIATE THE PENNSYLVANIA ONE-CALL COMPLEX TICKET. THE PENNSYLVANIA ONE CALL SYSTEM CAN BE REACHED AT 1-800-242-1776. 2. A PRECONSTRUCTION CONFERENCE IS REQUIRED AS SPECIFIED IN 25 PA. CODE § 102.5(E) 7 DAYS PRIOR TO THE STARTING OF EARTH DISTURBANCE ACTIVITIES. THE PURPOSE OF THIS CONFERENCE IS TO REVIEW ALL PERMITTEE, CO-PERMITTEES, OPERATORS, CONSULTANTS, THE DEP INSPECTORS AND LICENSED PROFESSIONALS OR

3. LOCATE ACCESS POINTS INCLUDING CONSTRUCTION ENTRANCES.

4. INSTALL CONSTRUCTION ENTRANCE.

5. REMOVE BRUSH TO EFFECTIVELY INSTALL PERIMETER CONTROLS, LEVEL SIDE CUTS TO GRANT ACCESS FOR VEHICLES AND WORKERS TO SAFELY PERFORM THE INSTALLATION OF SEDIMENT BARRIERS ON THE SITE AS SHOWN ON THE CONSTRUCTION DRAWINGS. 6. INSTALL PERIMETER FILTER SOCK DIVERSIONS, DIVERSION SWALES, COMPOST FILTER SOCKS, SEDIMENT TRAP AND ALL ASSOCIATED EROSION CONTROL BLANKETS AND RIP RAP

7. PROCEED WITH CLEARING AND GRUBBING THE REST OF THE SITE AS NECESSARY.

8. BEGIN GRADING AND STRIP AND STOCKPILE TOPSOIL WITHIN THE DESIGNATED AREA AND INSTALL SEDIMENT BARRIERS AROUND STOCKPILES IF APPLICABLE.

9. IF APPLICABLE, INSTALL ORANGE SECURITY FENCE. THE NECESSITY OF A SECURITY FENCE WILL BE AT THE DISCRETION OF THE CONTRACTOR.

10. BEGIN CONSTRUCTION STAKING FOR LAYOUT OF TEMPORARY GRAVEL SURFACE.

11. STABILIZE THE SITE WITH GEOTEXTILE AND GRAVEL SURFACING WITHIN LIMITS OF DISTURBANCE (PORTION OF THE SITE OR ENTIRE SITE).

12. UPON TEMPORARY CESSATION OF AN EARTH DISTURBANCE ACTIVITY OR ANY STAGE OF AN ACTIVITY WHERE THE CESSATION OF EARTH DISTURBANCE ACTIVITIES WILL EXCEED FOUR DAYS, THE SITE SHALL BE IMMEDIATELY SEEDED, MULCHED, OR OTHERWISE PROTECTED FROM ACCELERATED EROSION AND SEDIMENTATION PENDING FUTURE EARTH DISTURBANCE ACTIVITIES. FOR AN EARTH DISTURBANCE ACTIVITY OR ANY STAGE OF AN ACTIVITY TO BE CONSIDERED TEMPORARILY STABILIZED, THE DISTURBANCE ACTIVITY OR ANY STAGE OF AN ACTIVITY TO BE CONSIDERED TEMPORARILY STABILIZED, THE DISTURBANCE ACTIVITY OR ANY STAGE OF AN ACTIVITY TO BE CONSIDERED TEMPORARILY STABILIZED, THE DISTURBANCE ACTIVITY OR ANY STAGE OF AN ACTIVITY TO BE CONSIDERED TEMPORARILY STABILIZED, THE DISTURBANCE ACTIVITY OR ANY STAGE OF AN ACTIVITY TO BE CONSIDERED TEMPORARILY STABILIZED, THE DISTURBANCE ACTIVITY OR ANY STAGE OF AN ACTIVITY TO BE CONSIDERED TEMPORARILY STABILIZED, THE DISTURBANCE ACTIVITY OR ANY STAGE OF AN ACTIVITY TO BE CONSIDERED TEMPORARILY STABILIZED, THE DISTURBANCE ACTIVITY OR ANY STAGE OF AN ACTIVITY TO BE CONSIDERED TEMPORARILY STABILIZED, THE DISTURBANCE ACTIVITY ACT BE COVERED WITH ONE OF THE FOLLOWING: A MINIMUM UNIFORM COVERAGE OF MULCH AND SEED. WITH A DENSITY CAPABLE OF RESISTING ACCELERATED EROSION AND SEDIMENTATION. OR AN ACCEPTABLE BMP. WHICH TEMPORARILY MINIMIZES ACCELERATED EROSION AND SEDIMENTATION. TEMPORARY STABILIZATION WILL NOT OCCUR ON ACTIVE VEHICULAR TRAVEL WAYS WITHIN THE RIGHT OF WAY. THE ON-SITE ENVIRONMENTAL INSPECTOR WILL LOG DAILY ACTIVITY WITHIN THE LIMITS OF DISTURBANCE AND NOTIFY THE CONTRACTOR OF AREAS REQUIRING TEMPORARY STABILIZATION (I.E., AREAS WHERE WORK HAS CEASED FOR AT LEAST FOUR DAYS).

13. ONCE THE SITE IS DEEMED NO LONGER NECESSARY; REMOVE ALL GRAVEL AND GEOTEXTILE FABRIC FROM THE SITE. BMPS WILL REMAIN IN PLACE AND FUNCTIONAL.

14. SCARIFY TO DE-COMPACT RESTORATION AREAS. SPREAD THE TOPSOIL FROM THE STOCKPILES THROUGHOUT THE SITE AND GRADE SITE TO MATCH PRE-DEVELOPED GRADE. IMMEDIATELY FERTILIZE, SEED AND STABILIZE AREAS AT FINISHED GRADE. MAINTAIN E&SC CONTROL DEVICES UNTIL SITE WORK IS COMPLETE AND SITE IS STABILIZED. WITH THE EXCEPTION OF AGRICULTURAL USE AREAS, AN AREA SHALL BE CONSIDERED TO HAVE ACHIEVED FINAL STABILIZATION WHEN IT HAS MINIMUM UNIFORM 70% PERENNIAL VEGETATION COVER OR OTHER PERMANENT NON-VEGETATIVE COVER WITH A DENSITY SUFFICIENT TO RESIST ACCELERATED SURFACE EROSION AND SUBSURFACE CHARACTERISTICS SUFFICIENT TO RESIST SLIDING AND OTHER MOVEMENTS. WHEN E&S CONTROLS ARE TO BE REMOVED IN AGRICULTURAL NON-SENSITIVE AREAS (STREAMS/WETLANDS) AGRICULTURAL LANDOWNERS SHALL MAINTAIN AGRICULTURAL BMPS PER PADEP REGULATIONS

15. AN AREA SHALL BE CONSIDERED TO HAVE ACHIEVED FINAL STABILIZATION WHEN IT HAS A MINIMUM UNIFORM 70% PERENNIAL VEGETATIVE COVER OR OTHER PERMANENT NON-VEGETATIVE COVER WITH A DENSITY SUFFICIENT TO RESIST ACCELERATED SURFACE EROSION AND SUBSURFACE CHARACTERISTICS SUFFICIENT TO RESIST SLIDING AND OTHER MOVEMENTS. WHEN CONTROLS ARE TO BE REMOVED IN AGRICULTURAL NON-SENSITIVE AREAS (STREAMS/WETLANDS), AGRICULTURAL LANDOWNERS SHALL MAINTAIN AGRICULTURAL BMPS PER PADEP REGULATIONS.

16. UPON COMPLETION OF ALL EARTH DISTURBANCE ACTIVITIES AND PERMANENT STABILIZATION OF ALL DISTURBED AREAS, THE OWNER AND/OR OPERATORS SHALL CONTACT THE LOCAL CONSERVATION DISTRICT FOR AN INSPECTION PRIOR TO THE REMOVAL OF THE E&S BMPS.

17. REMOVE AND PROPERLY DISPOSE OF/RECYCLE E&SC BMPS. REMOVE STAKES AND ORANGE CONSTRUCTION FENCE. REPAIR AND PERMANENTLY STABILIZE AREAS DISTURBED DURING E&SC BMP REMOVAL

RESPONSIBILITIES FOR FILL MATERIALS CLEAN FILL WILL IN MOST CASES RESIDE WITH THE OPERATOR.

DILIGENCE RESTS ON THE APPLICANT IF ALL CUT AND FILL MATERIALS WILL BE USED ON THE SITE, A CLEAN FILL DETERMINATION IS NOT REQUIRED BY THE OPERATOR UNLESS THERE IS A BELIEF THAT A SPILL OR RELEASE OF A REGULATED SUBSTANCE OCCURRED ON SITE.

APPLICANTS AND/OR OPERATORS MUST USE ENVIRONMENTAL DUE DILIGENCE TO ENSURE THAT THE FILL MATERIAL ASSOCIATED WITH THIS PROJECT QUALIFIES AS CLEAN FILL. DEFINITIONS OF CLEAN FILL AND ENVIRONMENTAL DUE DILIGENCE ARE PROVIDED BELOW. ALL FILL MATERIAL MUST BE USED IN ACCORDANCE WITH THE DEPARTMENT'S POLICY "MANAGEMENT OF FILL," DOCUMENT NUMBER 258 2182 773. A COPY OF THIS POLICY IS AVAILABLE ONLINE AT WWW.DEPWEB.STATE.PA.US.

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.)

ENVIRONMENTAL DUE DILIGENCE: 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

GENERAL MAINTENANCE NOTES FOR ALL BMPS:

ROUTINE MAINTENANCE INSPECTIONS WILL BE REQUIRED TO ENSURE THE PERFORMANCE OF ALL THE SEDIMENT CONTROL BMP DEVICES. AT A MINIMUM, ALL STRUCTURES AND DEVICES SHALL BE INSPECTED ONCE EVERY SEVEN (7) CALENDAR DAYS AND WITHIN 24 HOURS AFTER ANY STORM EVENT. THIS INSPECTION SHALL BE FOLLOWED WITH A REPAIR SCHEDULE OF ALL NOTED DEFICIENCIES. VEGETATION PROGRESS SHALL ALSO BE INCLUDED IN THIS INSPECTION. VOID AREAS SHALL PROMPTLY BE RESEEDED AND MULCHED TO ESTABLISH PROTECTION

BMPs, OR MODIFICATIONS TO THOSE INSTALLED, WILL BE REQUIRED.

SEDIMENT REMOVED FROM BMPS SHALL BE DISPOSED OF WITHIN THE LIMIT OF DISTURBANCE IN LANDSCAPE AREAS OUTSIDE OF STEEP SLOPES, WETLANDS, FLOODPLAINS OR DRAINAGE SWALES AND IMMEDIATELY STABILIZED, OR PLACED IN STOCKPILES AREAS.

ALL CHANNELS MUST BE KEPT FREE OF OBSTRUCTIONS SUCH AS FILL, FALLEN LEAVES & WOODY DEBRIS, ACCUMULATED SEDIMENT, AND CONSTRUCTION MATERIALS/WASTES WITH EXCEPTION TO OTHER REQUIRED BMPs (I.E., CHECK DAMS). CHANNELS SHOULD BE KEPT MOWED AND/OR FREE OF ALL WEEDY, BRUSHY OR WOODY GROWTH. ANY UNDERGROUND UTILITIES RUNNING ACROSS/ THROUGH THE CHANNEL(S) SHALL BE IMMEDIATELY BACKFILLED AND THE CHANNEL(S) REPAIRED AND STABILIZED PER THE CHANNEL SECTION DETAIL. SEDIMENT TRACKED ONTO ANY PUBLIC ROADWAY OR SIDEWALK SHALL BE RETURNED TO THE CONSTRUCTION SITE AS NEEDED AND 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 SWEPT INTO ANY ROADSIDE DITCH, STORM SEWER, OR SURFACE WATER. ALL NECESSARY REPAIRS WILL BE MADE IMMEDIATELY.

BROAD BASED DIP

COMPOST FILTER SOCK

CONTROL MEASURE

CLEAN WATER CROSSING

VIVERSION BERM/DIVERSION TERRACE

EROSION CONTROL BLANKET

HYDROSTATIC DEWATERING STRUCTUR

PUMPED WATER FILTER BAG

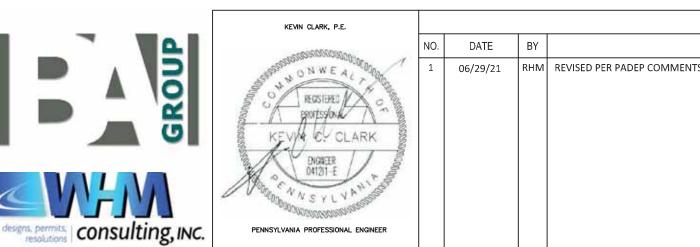
ROCK CONSTRUCTION ENTRANCE

ROCK FILTER OUTLET

TRENCH PLUG (PRIOR TO BACKFILLIN

VEGETATION

SEDIMENT TRAP



IF THE SITE WILL NEED TO HAVE FILL IMPORTED FROM AN OFF SITE LOCATION, THE RESPONSIBILITY FOR PERFORMING ENVIRONMENTAL DUE DILIGENCE AND THE DETERMINATION OF

IF THE SITE WILL HAVE EXCESS FILL THAT WILL NEED TO BE EXPORTED TO AN OFF SITE LOCATION, THE RESPONSIBILITY OF CLEAN FILL DETERMINATION AND ENVIRONMENTAL DUE

UNTIL THE SITE IS STABILIZED, ALL EROSION AND SEDIMENT BMPS MUST BE MAINTAINED PROPERLY. MAINTENANCE MUST INCLUDE INSPECTIONS OF ALL EROSION AND SEDIMENT CONTROL BMPs AFTER EACH RUNOFF EVENT AND ON A WEEKLY BASIS. ALL PREVENTATIVE AND REMEDIAL MAINTENANCE WORK INCLUDING CLEAN OUT, REPAIR, REPLACEMENT, REGRADING, RESEEDING, REMULCHING, AND RENETTING, MUST BE DONE IMMEDIATELY. IF EROSION AND SEDIMENT CONTROL BMPs FAIL TO PERFORM AS EXPECTED, REPLACEMENT

		NTENANCE SCHEDULE	
	INSPECT	PROBLEMS TO LOOK FOR	POSSIBLE REMEDIES
	DAILY	SEDIMENT/DEBRIS BLOCKING THE NORMAL FLOW OF WATER. WASHOUTS, BULGES, OR SLUMPS.	REPAIR DAMAGED OR NON-FUNCTIONING DIPS.
	ONCE A WEEK AND AFTER EVERY RUNOFF EVENT	BARRIER HAS BEEN UNDERMINED OR TOPPED SEDIMENT AT 1/2 HEIGHT OF BARRIER TORN OR DAMAGED FABRIC SOCK IS OLDER THAN PERMITTED RUNOFF ESCAPING AROUND BARRIER	REPLACE WITH A ROCK FILTER OUTLET. INCREASE NUMBER OF STAKES AT AFFECTED AREA. REMOVE SEDIMENT, PLACE ACROSS SITE AS FILL. REPAIR ACCORDING TO MANUFACTURER'S SPECIFICATIONS OR REPLACE. EXTEND BARRIER.
	ONCE A WEEK AND AFTER EVERY RUNOFF EVENT	CHANNEL DEPTH NOT MAINTAINED. EROSION AROUND TRENCH INLETS AND WATERSHEDS. DAMAGED CHANNEL LINING. SEDIMENT/DEBRIS BLOCKING NORMAL FLOW OF WATER. TRASH AND DEBRIS.	RECONSTRUCT CHANNEL. REGRADE AND REPAIR ANY UNDERMINED OR WASHED OUT AREAS. REPLACE CHANNEL LINING. REMOVE SEDIMENT WHEN TOTAL CHANNEL DEPTH IS REDUCED BY 25%. REMOVE TRASH AND DEBRIS.
CE	ONCE A WEEK AND AFTER EVERY RUNOFF EVENT	SEDIMENT/DEBRIS BLOCKING THE NORMAL FLOW OF WATER. WASH OUTS, BULGES OR SLUMPS. UNSTABLE SIDE SLOPES. DAMAGED CHANNEL LINING. REDUCED CAPACITY DUE TO DECREASE IN CHANNEL DIMENSIONS. VEGETATION GROWTH.	REMOVE SEDIMENT/DEBRIS, SPREAD SEDIMENT ACROSS SITE. REPAIR OR REPLACE IMMEDIATELY UPON DISCOVERY. RECONSTRUCT CHANNEL. REPLACE CHANNEI LINING. RE—SEED.
	ONCE A WEEK AND AFTER EVERY RUNOFF EVENT	TORN OR LOOSE STAPLED AREAS. VEGETATION GROWTH. BLANKET DESTROYED OR DAMAGED.	REMOVE AND REPLACE IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS. REGRADE AND REPAIR ANY UNDERMINED OR WASHED OUT AREAS. RE—SEED.
JRE	DURING DEWATERING ACTIVITIES.	ACCUMULATIONS REACH $\frac{1}{3}$ THE ABOVEGROUND HEIGHT OF THE BARRIER. DAMAGED OR DETERIORATED STRAW BALES.	REMOVE SEDIMENT/DEBRIS. REPLACE STRAW BALES.
	BEFORE AND AFTER EACH USE	TORN FABRIC, TEARS OR BREACHES. SEDIMENT ESCAPING WITH PURGE WATER. MORE THAN 50% FILLED WITH SEDIMENT.	REPLACE FILTER BAG. REMOVE SEDIMENT, SPREAD OVER SITE.
	ONCE A WEEK AND AFTER EVERY RUNOFF EVENT	STONE THICKNESS NOT CONSTANTLY MAINTAINED. SEDIMENT ON PUBLIC ROADWAY.	ADD ROCK TO BRING TO SPECIFIED DIMENSIONS. SWEEP MATERIAL BACK TO PROJECT SITE. DO NOT WASH ROADWAY WITH WATER.
	ONCE A WEEK AND AFTER EVERY RUNOFF EVENT	LINING WASHED AWAY. SEDIMENT AT 1/3 HEIGHT OF BARRIER. RUNOFF ESCAPING AROUND BARRIER. CLOGGING.	RESHAPE AS NECESSARY AND REPLACE TOP LAYER WITH CLEAN STONE. REPLACE RIPRAP WITH LARGER SIZE RIPRAP. REBUILD/EXTEND BARRIER. WASH OR REPLACE SEDIMENT LADEN STONE.
NG)	ONCE A WEEK AND AFTER EVERY RUNOFF EVENT	STORMWATER POOLING WITHIN THE EXCAVATION BEHIND A TRENCH PLUG, FAILED TRENCH PLUG.	PUMP WATER THROUGH A PUMPED WATER FILTER BAG OVER STABLE, UNDISTURBED EARTH, REPAIR TRENCH PLUG.
	ONCE A WEEK AND AFTER EVERY RUNOFF EVENT	SEDIMENT AT TOE-OF-SLOPE. RILLS & GULLIES FORMING. BARE SOIL PATCHES.	CHECK FOR TOE-OF-SLOPE DIVERSION & INSTALL, IF NEEDED. FILL RILLS AND RE-GRADE GULLIED SLOPES. RE-SEED, FERTILIZE, LIME AND RE-MULCH.
	ONCE A WEEK AND AFTER EVERY RUNOFF EVENT	TRASH AND OTHER DEBRIS. SEDIMENT AT CLEAN-OUT ELEVATION. DAMAGED OR CLOGGED COMPOST FILTER SOCK. EROSION. VEGETATION GROWTH. STANDING WATER MORE THAN 7 DAYS AFTER RAINFALL EVENT.	DISPOSE OF TRASH PROPERLY. REMOVE SEDIMENT, PLACE ACROSS SITE AS FILL. REMOVE CLOGGED MATERIAL. RESTORE TO DESIGN SPECIFICATIONS. PUMP WATER THROUGH A PUMPED WATER FILTER BAG OVER STABLE, UNDISTURBED EARTH.

* REFER TO BMP DETAIL FOR ADDITIONAL MAINTENANCE REQUIREMENTS AND REMEDIES.

REVISIONS				TR/	ANSC	ONTINEN	TAL GAS PIPE LINE COMPAN	Y, LLC
DESCRIPTION	W.O. NO.	СНК.	APP.	REG	GIONA	L ENERG	Y ACCESS EXPANSION PRO	JECT-
NTS.						MAI	NLINE A REGULATOR	
				SOIL EROSI	ON &	SEDIMEN	T CONTROL AND SITE REST	ORATION PLAN
							NOTES	
				L	OWER		D TWP., BUCKS COUNTY, PENNS	YLVANIA
				DRAWN BY: DRV	DATE:	03/31/21	ISSUED FOR BID:	SCALE:
				CHECKED BY: RJN	DATE:	03/31/21	ISSUED FOR CONSTRUCTION:	REVISION:
				APPROVED BY: KCC	DATE:	03/31/21		SHEET 4
				WO: 1232580	RID:	304	DRAWING NUMBER: 26-1000-70-28-D	OF 6

RESOLUTION TO SOIL LIMITATIONS TRANSCO PROPOSES THE FOLLOWING RESOLUTIONS TO COMPENSATE FOR SOIL LIMITATIONS SUMMARIZED IN TABLE 3 ABOVE: 1. TO OFFSET THE CAVING OF CUTBANKS, TRENCHING OPERATIONS WILL BE CONDUCTED IN ACCORDANCE WITH THE OSHA TECHNICAL MANUAL FOR TRENCHING.

- 2. PREVENTATIVE COATINGS SHALL BE USED TO PREVENT CORROSION OF CONCRETE AND/ OR STEEL.
- 3. WHEN BEDROCK IS ENCOUNTERED IT WILL BE REMOVED BY MECHANICAL METHODS OR BLASTING. BLASTING WILL CONFORM WITH ALL LOCAL, STATE, AND FEDERAL REGULATIONS. THIS IS NOT ANTICIPATED.
- 4. PRECAUTIONS WILL BE TAKEN TO PREVENT SLOPE FAILURE WHEN WORKING WITHIN LOW STRENGTH SOILS BY FLATTENING CUT / FILL SLOPES, NOT OVERLOADING, MAINTAINING LATERAL SUPPORT, AND PREVENTING SATURATION OF SOILS. USE OF THESE SOILS WILL BE AVOIDED FOR ROADWAY CONSTRUCTION.
- 5. FOR SOILS PRONE TO FLOODING, SLOW PERCOLATION, PONDING WETNESS, HAVE A SEASONAL HIGH WATER TABLE, OR ARE HYDRIC, EXCAVATIONS IN SOILS THAT HAVE THESE CHARACTERISTICS WILL LIKELY ENCOUNTER WATER, DEWATER WITH APPROPRIATE MEANS SUCH AS PUMP WATER FILTER BAGS, SEDIMENT TRAPS, ETC.
- 6. SOILS THAT HAVE THE POTENTIAL TO SWELL, SHRINK, OR HEAVE DUE TO FROST ACTION MAY CAUSE DAMAGE TO ROADWAYS OR PADS WHERE FOUNDATIONS ARE CRITICAL REMOVAL AND REPLACEMENT OF SOILS WITH SUITABLE MATERIAL MAY BE REQUIRED.
- 7. IN SOILS THAT ARE A POOR SOURCE OF TOPSOIL, DROUGHTY OR PRONE TO WETNESS, SOIL TESTING IS ENCOURAGED TO DETERMINE THE APPROPRIATE APPLICATIONS OF SOIL AMENDMENTS TO PROMOTE GROWTH. SOILS ONSITE THAT ARE FAIR SOURCES OF TOPSOIL, WILL BE IDENTIFIED, STRIPPED AND STOCKPILED FOR USE DURING RESTORATION.
- 8. FOR THOSE SOILS THAT ARE EASILY ERODIBLE, PROVIDE PROTECTIVE LINING, SEEDING AND MULCHING, EROSION CONTROL BLANKETS (ROLLS OR HYDRAULICALLY APPLIED), TRACKING SLOPES, UPSTREAM DIVERSIONS, WATERBARS, ETC., TO MINIMIZE EROSION OF THE SOILS.

			TAB	LE 2-5	SOILS I		NG UNITS V	MITHIN	LIMITS	OF DI	STURB	ANCE						
-	SOIL MAPPING UNIT	MAPPING SOIL SERIES UNIT																
	AIA ALTON GRAVELLY LOAM, 0 TO 3 PERCENT SLOPES																	
																		_
	TABLE			ND SEC	IMENT	CONT	NIA SOILS ROL BEST ICE NUMBE	MANA	GEMENT	PRAC	CTICE ((BMP) I			TS			
SOIL NAM	m SOIL WITH SLOPE CLASS	CUTBANKS CAVE	CORROSIVE TO CONCRETE/STEEL	DROUGHTY	EASILY ERODIBLE	FLOODING	DEPTH TO SATURATED ZONE/ SEASONAL HIGH WATER TABLE	HYDRIC/HYDRIC INCLUSIONS	LOW STRENGTH/ LANDSLIDE PRONE	SLOW PERCOLATION	DINIC	POOR SOURCE OF TOPSOIL	FROST ACTION	Shrink – Swell	POTENTIAL SINKHOLE	PONDING	WETNESS	

CHARACTERIZATIONS OF EARTH DISTURBANCE ACTIVITIES, INCLUDING PAST, PRESENT AND PROPOSED LAND USES

ALTON

THE EXISTING MAINLINE A REGULATOR COMPONENT OF THE PROJECT IS LOCATED IN LOWER MAKEFIELD TOWNSHIP, BUCKS COUNTY. THE PROJECT AT MAINLINE A REGULATOR INVOLVES THE INSTALLATION OF PROPOSED FACILITY MODIFICATIONS TO ADD PRESSURE REGULATION CONTROLS TO EXISTING VALVE SETTINGS. TRANSCO WILL USE AND IMPLEMENT THE PRACTICES, MEASURES, AND DETAILS TO CONTROL SOIL EROSION AND OFF-SITE SEDIMENTATION DURING CONSTRUCTION. USING DATA TAKEN FROM GOOGLE EARTH AND MULTI-RESOLUTION LAND CHARACTERISTICS (MRLC) CONSORTIUM WEBSITE (HTTPS://WWW.MRLC.GOV/VIEWER/), IT APPEARS THAT FOR THE PAST FEW DECADES THE LAND HAS BEEN UTILIZED AS A MAINLINÉ REGULATOR SITÉ AND WILL CONTINUE AS SUCH.

SEEDING AND MULCHING:

THE CONSTRUCTION SITE SHOULD BE STABILIZED AS SOON AS POSSIBLE AFTER CONSTRUCTION IS COMPLETED. SHALL BE USED IN AREAS ADJACENT TO WETLANDS.

TEMPORARY REVEGETATION

AFTER GRADING AND EXCAVATION IS COMPLETED WITHIN AN AREA, VEGETATION WILL BE SOWN PROMPTLY AFTER CEASING EARTHWORK IN THOSE AREAS. HAY, STRAW MULCH, OR OTHER SIMILAR MATERIAL WILL BE APPLIED TO NEWLY SEEDED AREAS TO PROTECT AGAINST EROSION UNTIL THE VEGETATION IS ESTABLISHED. HAY, STRAW MULCH, OR OTHER SIMILAR MATERIAL SHALL BE APPLIED AT A RATE OF AT LEAST 3 TONS PER ACRE. EROSION CONTROL BLANKET SHALL BE USED ON STREAM BANKS. NO HAY OR STRAW, MULCH OR BLANKET SHALL BE UTILIZED IN WETLAND AREAS.

PERMANENT SEEDING AND MULCHING

MATERIAL SHALL BE APPLIED AT A RATE OF AT LEAST 3 TONS PER ACRE.

	PERMANE	NT SEEDING APPL	ICATION RATE	NOTES		
SOIL AMENDMENT	PER ACRE	PER 1,000 SF	PER 1,000 SY			
AGRICULTURAL LIME	6 TONS	20 LBS.	2,480 LBS.	OR AS PER SOIL TEST; MAY NOT BI REQ. IN AGRICULTURAL FIELDS		
10–20–20 FERTILIZER	1,000 LBS.	25 LBS.	210 LBS.	OR AS PER SOIL TEST; MAY NOT BI REQ. IN AGRICULTURAL FIELDS		
	TEMPORA	RY SEEDING APPL	ICATION RATE			
AGRICULTURAL LIME	1 TON	4 LBS.	410 LBS.	TYP. NOT REQ. FOR TOPSOIL STOCKPILES		
10–10–10 FERTILIZER	500 LBS.	12.5 LBS.	100 LBS.	TYP. NOT REQ. FOR TOPSOIL STOCKPILES		
APTED FROM PENN SI	ATE, "EROSI	ON CONTROL AN	D CONSERVATIO	N PLANTINGS ON NONCROPLAND"		

				T	ABLE 11.3						
			Plant	Tolerances	of Soil Limitati	on Factors					
			Tole	erates		Minimum Seed Specifications3					
Species	Growth Habit1	Wet Soil	Dry Site	Low Fertility	Acid Soil (Ph 5-5.5)2	Purity (%)	Ready Germ (%)	Hard Seed (%)	Total Germ (%)	Seeds/lb (1,000s)	
Deertongue	bunch	yes	yes	yes	yes	95	75		75	250	
Weeping lovegrass	bunch	no	yes	yes	yes	97	75		75	1,500	
Switchgrass4	bunch	yes	yes	yes	yes	(60 PLS)				390	
Big bluestem	bunch	no	yes	yes	yes	(60 PLS)				150	
Cool-Season Grasses											
Tall Fescue	bunch	yes	no	yes	no	95	80		80	227	
Redtop	sod	yes	yes	yes	yes	92	80		80	5,000	
Fine fescues	sod	no	no	yes	no	95	80		80	400	
Perennial ryegrass	bunch	yes	no	no	no	95	85		85	227	
Annual ryegrass	bunch	yes	no	yes	no	95	85		85	227	
Kentucky bluegrass	sod	no	no	no	no	85	75		75	2,200	
Reed canarygrass	sod	yes	yes	yes	no	95	70		70	520	
Orchardgrass	bunch	yes	yes	yes	yes	95	80		80	654	
Timothy	bunch	yes	no	yes	yes	95	80		80	1,230	
Smooth bromegrass	sod	no	yes	yes	no	95	80		80	136	
Legumes5							•	1	•		
Crownvetch	sod	no	yes	yes	no	98	40	30	65	120	
Birdsfoot trefoil6	bunch	yes	no	yes	yes	98	60	20	80	400	
Flatpea	sod	no	no	yes	yes	98	55	20	75	10	
Serecia lespedeza	bunch	no	yes	yes	yes	98	60	20	80	335	
Cereals							•	•			
Winter wheat	bunch	no	no	no	no	98	85		85	15	
Winter rye	bunch	no	no	yes	yes	98	85		85	18	
Spring oats	bunch	no	no	no	no	98	85		85	13	
Sundangrass	bunch	no	yes	no	no	98	85		85	55	
Japanese millet	bunch	yes	no	yes	yes	98	80		80	155	

A SOD FORMED BY VEGETATIVE MEANS.

- 6.0 OR ABOVE. ³ MINIMUM SEED LOTS ARE TRULY MINIMUM, AND SEED LOTS TO BE USED FOR REVEGETATION PURPOSES SHOULD EQUAL
- ⁴ SWITCHGRASS SEED IS SOLD ONLY IN THE BASIS OF PLS.
- SATISFACTORY FOR FLATPEA.
- ROOT ROTS MAY INJURE STANDS.

ESTABLISHMENT OF TEMPORARY COVER MUST TAKE PLACE WITHIN 4 DAYS OF CESSATION OF WORK. TEMPORARY EROSION AND SEDIMENTATION CONTROL BMPS CAN BE REMOVED WHEN THE SITE MEETS FINAL STABILIZATION. FINAL STABILIZATION MEANS THAT ALL SOIL-DISTURBING ACTIVITIES ARE COMPLETED, AND THAT A PERMANENT VEGETATIVE COVER WITH A DENSITY OF 70% OR GREATER HAS BEEN ESTABLISHED OR THAT HARD COVER SUCH AS PAVEMENT OR BUILDINGS HAS STABILIZED THE SURFACE. IT SHOULD BE NOTED THAT THE 70% REQUIREMENT REFERS TO THE TOTAL AREA VEGETATED AND NOT JUST A PERCENT OF THE SITE. NO HAY OR STRAW MULCH SHALL BE PLACED ON WATERBODY BANKS. AT A MINIMUM, ALL WATERBODY BANKS SHALL BE COVERED WITH EROSION CONTROL BLANKET. IN ADDITION, ONLY STRAW MULCH

TOPSOIL WILL BE REPLACED PRIOR TO STABILIZATION. DISTURBED AREAS SHALL BE SEEDED WITH A MIXTURE AS OUTLINED IN THE DETAILS PAGES OF THE EROSION AND SEDIMENT CONTROL PLAN SET. APPLY LIME AND FERTILIZER IN ACCORDANCE WITH SOIL TEST RECOMMENDATIONS OR AS OUTLINED IN THE BELOW TABLE. HAY, STRAW MULCH, OR OTHER SIMILAR

¹ GROWTH HABIT REFERS TO THE ABILITY OF THE SPECIES TO EITHER FORM A DENSE SOD BY VEGETATIVE MEANS (STOLONS, RHIZOMES, OR ROOTS) OR REMAIN IN A BUNCH OR SINGLE PLANT FORM. IF SEEDED HEAVILY ENOUGH, EVEN BUNCH FORMERS CAN PRODUCE A VERY DENSE STAND. THIS IS SOMETIMES CALLED A SOD, BUT NOT IN THE SENSE OF

² ONCE ESTABLISHED, PLANS MAY GROW AT A SOMEWHAT LOWER pH, BUT COVER GENERALLY IS ONLY ADEQUATE AT pH

OR EXCEED THESE STANDARDS. THUS, DEERTONGUE GRASS SHOULD GERMINATE 75% OR BETTER. CROWNVETCH SHOULD HAVE AT LEAST 40% READILY GERMINABLE SEED AND 30% HARD SEED. COMMONLY, SEED LOTS ARE AVAILABLE THAT EQUAL OR EXCEED MINIMUM SPECIFICATIONS. REMEMBER THAT DISTURBED SITES ARE ADVERSE FOR PLAN ESTABLISHMENT. READY GERMINATION REFERS TO SEED THAT GERMINATES DURING THE PERIOD OF THE GERMINATION TEST AND THAT WOULD BE EXPECTED, IF CONDITIONS ARE FAVORABLE, TO GERMINATE RAPIDLY WHEN PLANTED. THE OPPOSITE OF READY GERMINATION IS DORMANT SEED, OF WHICH HARD SEED IS ONE TYPE.

⁵ NEED SPECIFIC LEGUME INOCULANT. INOCULANT SUITABLE FOR GARDEN PEAS AND SWEETPEAS USUALLY IS ⁶ BIRDSFOOT TREFOIL IS ADAPTED OVER THE ENTIRE STATE, EXCEPT IN THE EXTREME SOUTHEAST WHERE CROWN AND

	TABLE 11.4				
	Recommended Seed N	/ ixtures			
Mixture		Seeding Rate	-Pure Live Seed ¹		
Number	Species	Most Sites	Adverse Site		
1 ²	Spring oats (spring), or	64	96		
	Annual ryegrass (spring or fall), or	10	15		
	Winter Wheat (fall), or	90	120		
	Winter rye (fall)	56	112		
2 ³	Tall fescue, or	60	75		
	Fine fescue, or	35	40		
	Kentucky bluegrass, plus	25	30		
	Redtop ⁴ , or	3	3		
	Perennial ryegrass	15	20		
3	Birdsfoot trefoil, plus	6	10		
	Tall fescue	30	35		
4	Birdsfoot trefoil, plus	6	10		
	Reed canarygrass	10	15		
8	Flatpea, plus	20	30		
	Tall fescue, plus	20	30		
	Perennial ryegrass	20	25		
9 ⁶	Serecia lespedeza, plus	10	20		
	Tall fescue, plus	20	25		
	Redtop ⁴	3	3		
10	Tall fescue, plus	40	60		
	Fine fescue	10	15		
11	Deertongue, plus	15	20		
	Birdsfoot trefoil	6	10		
12 ⁷	Switchgrass, or	15	20		
	big Bluestem, plus	15	20		
	Birdsfoot trefoil	6	10		
13	Orchardgrass, plus	20	30		
	Smooth bromegrass, plus	25	35		
	Birdsfoot trefoil	6	10		

PENN STATE, "EROSION CONTROL AND CONSERVATION PLANTINGS ON NONCROPLAND"

1. PLS IS THE PRODUCT OF THE PERCENTAGE OF PURE SEED TIMES PERCENTAGE GERMINATION DIVIDED BY 100. FOR EXAMPLE, TO SECURE THE ACTUAL PLANTING RATE FOR SWITCHGRASS, DIVIDE 12 POUNDS PLS SHOWN ON THE SEED TAG. THUS, IF THE PLS CONTENT OF A GIVEN SEED LOT IS 35%, DIVIDE 12 PLS BY 0.35 TO OBTAIN 34.3 POUNDS OF SEED REQUIRED TO PLANT ONE ACRE. ALL MIXTURES IN THIS TABLE ARE SHOWN IN TERMS OF PLS. 2. IF HIGH-QUALITY SEED IS USED, FOR MOST SITES SEED SPRING OATS AT A RATE OF 2 BUSHELS PER ACRE, WINTER

WHEAT AT 11.5 BUSHELS PER ACRE, AND WINTER RYE AT 1 BUSHEL PER ACRE. IF GERMINATION IS BELOW 90%, INCREASE THESE SUGGESTED SEEDING RATES BY 0.5 BUSHEL PER ACRE. 3. THIS MIXTURE IS SUITABLE FOR FREQUENT MOWING. DO NOT CUT SHORTER THAN 4 INCHES.

4. KEEP SEEDING RATE TO THAT RECOMMENDED IN TABLE. THESE SPECIES HAVE MANY SEEDS PER POUND AND ARE

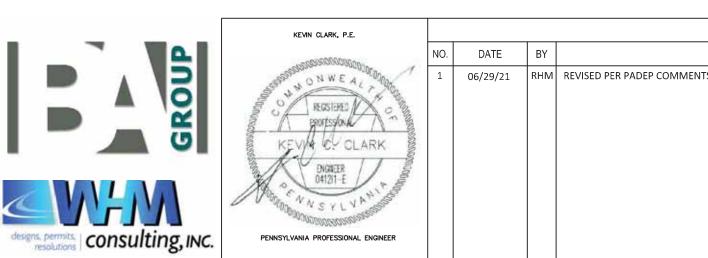
VERY COMPETITIVE. TO SEED SMALL QUANTITIES OF SMALL SEEDS SUCH AS WEEPING LOVEGRASS AND REDTOP, DILUTE WITH DRY SAWDUST, SAND, RICE HULLS, BUCKWHEAT HULLS, ETC. 5. USE FOR HIGHWAY SLOPES AND SIMILAR SITES WHERE THE DESIRED SPECIES AFTER ESTABLISHMENT IS CROWNVETCH.

6. USE ONLY IN EXTREME SOUTHEASTERN OR EXTREME SOUTHWESTERN PENNSYLVANIA. SERECIA IESPEDEZA IS NOT WELL ADAPTED TO MOST OF PA.

7. DO NOT MOW SHORTER THAN 9 TO 10 INCHES.

8. SEE MIXTURES CONTAINING CROWN VETCH SHOULD NOT BE USED IN AREAS ADJACENT TO WETLANDS OR STREAM CHANNELS DUE TO THE NATURE OF THIS SPECIES.

ERNST RIPARIAN BUFFER MIX - ERNMX 178									
PERCENTAGE OF MIX COMPOSITION	SCIENTIFIC NAME	COMMON NAME							
30.0%	PANICUM CLANDESTINUM	DEERTONGUE							
20.0%	ELYMUS VIRGINICUS	VIRGINIA WILDRYE							
11.8%	ANDROPOGON GERARDII	BIG BLUESTEM							
10.5%	SORGHASTRUM NUTANS	INDIANAGRASS							
5.0%	PANICUM VIRGATUM	SWITCHGRASS							
4.0%	CHAMAECRISTA FASCICULATA	PARTRIDGE PEA							
4.0%	VERBENA HASTATA	BLUE VERVAIN							
3.0%	JUNCUS EFFUSUS	SOFT RUSH							
3.0%	RUDBECKIA HIRTA	BLACKEYED SUSAN							
2.0%	HELIOPSIS HELIANTHOIDES	OXEYE SUNFLOWER							
1.0%	ASCLEPIAS INCARNATA	SWAMP MILKWEED							
0.7%	ASTER NOVAE-ANGLIAE	NEW ENGLAND ASTER							
0.7%	ASTER UMBELLATUS	FLAT TOPPED WHITE ASTER							
0.7%	EUPATORIUM PERFOLIATUM	BONESET							
0.5%	AGRO STIS PERENNANS	AUTUMN BENTGRASS							
0.5%	HELENIUM AUTUMNALE	COMMON SNEEZEWEED							
0.5%	MO NARDA FISTULOSA	WILD BERGAMOT							
0.5%	VERNO NIA NO VEBO RACENSIS	NEW YORK IRONWEED							
0.4%	PYCNANTHEMUM TENUIFOLIUM	NARROWLEAF MOUNTAINMINT							
0.4%	SOLIDAGO PATULA	ROUGHLEAF GOLDENROD							
0.3%	EUPATORIUM FISTULOSUM	JOE PYE WEED							
0.3%	LOBELIA SIPHILITICA	GREAT BLUE LOBELIA							
0.2%	ASTER PUNICUES	PURPLESTEM ASTER							



REVISIONS				Т	RANSC	ONTINEN ⁻	TAL GAS PIPE LINE COMPAN	Y, LLC
DESCRIPTION	W.O. NO.	СНК.	APP.	R	EGIONA	L ENERG	Y ACCESS EXPANSION PRO	JECT -
rS.						MAI	NLINE A REGULATOR	
				SOIL ERO	SION &	SEDIMEN	T CONTROL AND SITE REST	ORATION PLAN
							NOTES	
					LOWER	MAKEFIEL	D TWP., BUCKS COUNTY, PENNS	YLVANIA
				DRAWN BY: DRV	/ DATE:	03/31/21	ISSUED FOR BID:	SCALE:
				CHECKED BY: RJN	DATE:	03/31/21	ISSUED FOR CONSTRUCTION:	REVISION:
				APPROVED BY: KCC	DATE:	03/31/21		SHEET 5
				WO: 1232580	RID:	304	DRAWING NUMBER: 26-1000-70-28-D	OF 6

8.				ACCORDING TO MAN				E SOCKS AFTER 1 YE/	NR. PULIPKUPILEN	
9.	. UPC VEG)n stabi Etated (LIZATION OF THE OR REMOVED. IN	AREA TRIBUTARY TO THE LATTER CASE, 1) THE SOCK THE MESH S	K, STAKES HALL BE	Shall be removed Cut open and the	D. THE SOCK MAY BE MULCH SPREAD AS A S	LEFT IN PLACE ANI SOIL SUPPLEMENT.	
				ORGANIC MATTER CO	NTENT		25% – 100% (DRY W	EIGHT BASIS)		
				ORGANIC PORTIC	N		FIBROUS AND ELC	DNGATED		
				рН			5.5 - 8.5			
				MOISTURE CONTE	NT	700	30% - 60 % - 50% PASS THROU			
				PARTICLE SIZE	ITRATION		5.0 dS/m (mmhos/c	· · · · · · · · · · · · · · · · · · ·		
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	PHOT DEGRAD		BIO- DEGRADABLE	PHOTO- DEGRADABLE	PHOTO- DEGRADABLE	
SOCK DIAMETERS		12" 18"	12 18 24 32	n 22	12" 12" 18" 18" 24" 24" 32" 32"		12" 18" 24" 32"			
<u> </u>		MESH OF	PENING	3/8"	3/8		3/8"	3/8"	1/8"	
		ENSILE S			26	psi	26 psi	44 psi	202 psi	
	LIRAVIOL	STREN STREN (ASTM G		23% at 1000 hr.	23% 1000			100% at 1000 hr.	100% at 1000 hr.	
	MI	NIMUM FU LONGE	Inctional Vity	6 MONTHS	9 MOI	NTHS	6 MONTHS	1 YEAR	2 YEARS	
					TWO-P	LY SYSTEM	IS			
								HDPE BIAXIAL NET CONTINUOUSLY WOUN	D	
			INNER CON	TAINMENT NETTING				FUSION-WELDED JUNCTU	IRES	
			OUTER F	LTRATION MESH			CO (WOVE	4" x 3/4" MAX. APERTU MPOSITE POLYPROPYLENE EN LAYER AND NON-WOV NICALLY FUSED VIA NEED	FABRIC EN FLEECE	
			00011 51551	0.0000000.05				3/16" MAX. APERTURE		
			SOCK FABRIC	S COMPOSED OF BUI	(LAP MAY BE	. USED ON	I PROJECTS LASTING 6	MONTHS OR LESS.		
DAT	E B	Y	Revision description	W.O. NO. C	HK. APP.	TRANSC		PIPE LINE CORPOI ONMENTAL DETAIL	RATION	
						CFS	COMPOST	FILTER SOCK		

5. TRAFFIC SHALL NOT BE PERMITTED TO CROSS FILTER SOCKS. 6. ACCUMULATED SEDIMENT SHALL BE REMOVED WHEN IT REACHES 1/2 THE ABOVE GROUND HEIGHT OF THE SOCK AND DISPOSED IN

FEET UP SLOPE AT 45 DEGREES TO THE MAIN SOCK ALIGNMENT.

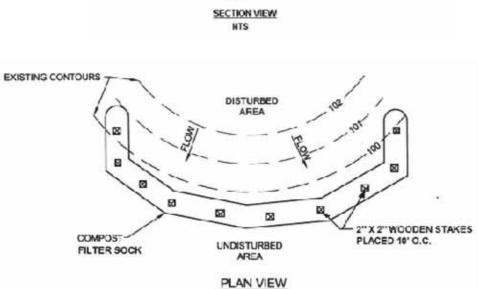
4. COMPOST FILTER SOCK SHALL BE PLACED AT EXISTING LEVEL GRADE. BOTH ENDS OF THE SOCK SHALL BE EXTENDED AT LEAST 8

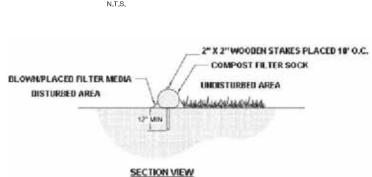
2. COMPOST FILTER SOCK FILL TO MEET APPLICATION REQUIREMENTS. 3. COMPOST MATERIAL TO BE DISPERSED ON SITE, AS DETERMINED BY CONSTRUCTION CONTRACTOR.

1. ALL MATERIAL TO MEET MANUFACTURER SPECIFICATIONS.

NOT TO SCALE NOTES:

COMPOST UNDISTURBED FILTER SOCK AREA PLAN VIEW NOT TO SCALE FIGURE 4.1 Sediment Barrier Alignment Extend End of Fence at PLAN VIEW least 8 Feet Upslope at 45 Degrees to Main Fence Alignment. Place Fence on Existing Contour ILLUSTRATION PA DEP





TRIPLE STACK SOCK TRAP SECTION

2" x 2" x 60" HARDWOOD STAKE, 10' O.C. STARTING 5' FROM ANGLED STAKES

BLOWN / PLACED -LOOSE FILTER MEDIA

CLEAN-OUT ELEVATION -STAKE

WATER FLOW

DISTURBED AREA

(2) 2" x 48+" HARDWOOD STAKES WRAPPED TOGETHER WITH 16 GAUGE WIRE, 10' O.C.

NDISTURBED

ARE

18" COMPOST FILTER SOCK

- 24" COMPOST FILTER SOCK

32" COMPOST FILTER SOCK

2" x 2" x 36" HARDWOOD STAKE, 10' O.C. STARTING 5' FROM ANGLED STAKES

WELL VEGETATED,

GRASSY AREA

PROPERTY

AVG. WIDE WIDTH STRENGTH

GRAB TENSILE

PUNCTURE

MULLEN BURST

UV RESISTANCE

AOS % RETAINED

PUMP INTAKES SHALL BE FLOATING AND SCREENED.

REVISION DESCRIPTION

W.O. NO. CHK. APP.

HEAVY DUTY LIFTING STRAPS_

(RECOMMENDED)

COMPOST FILTER

NOTES:

ALREADY ATTACHED.

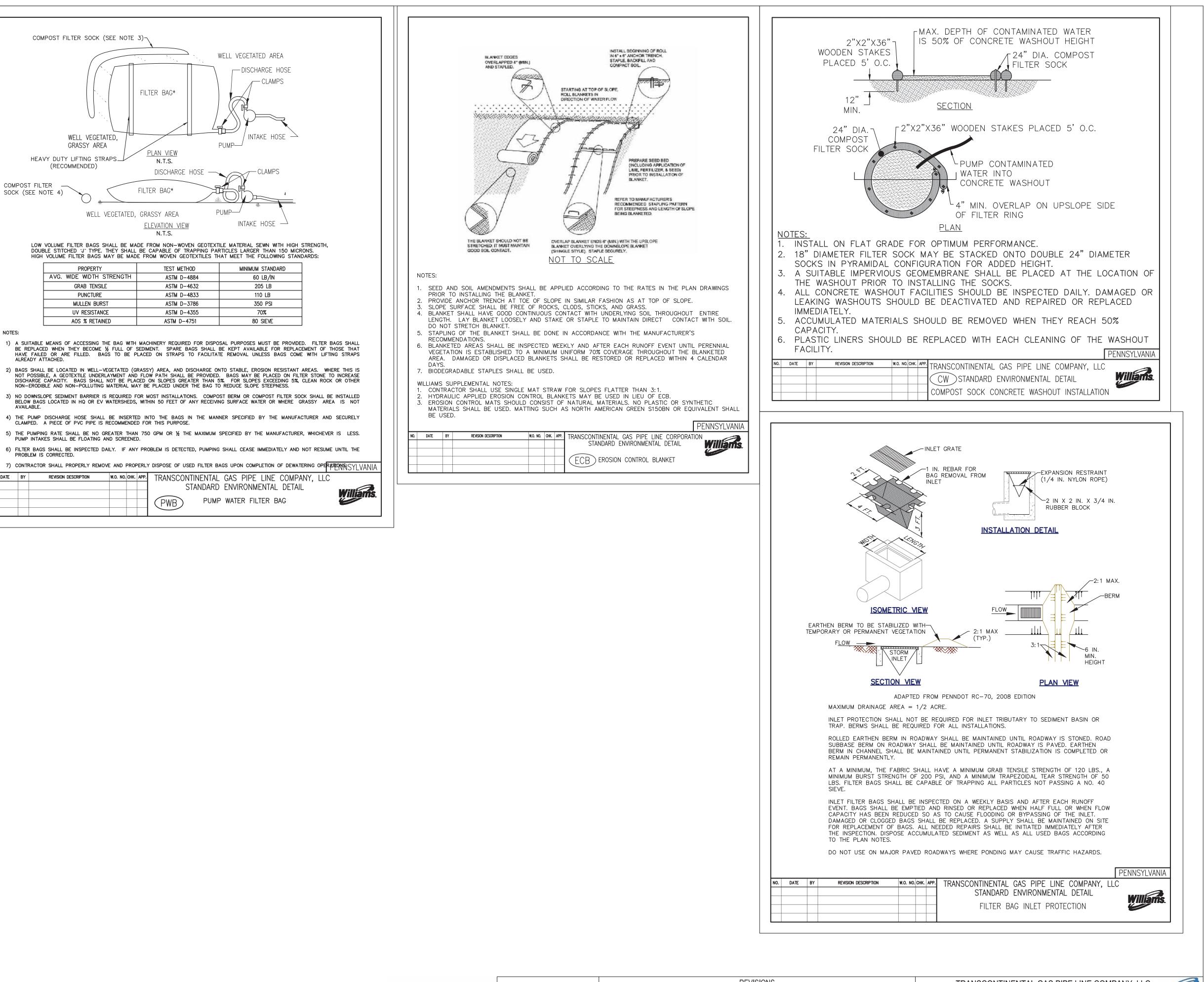
PROBLEM IS CORRECTED.

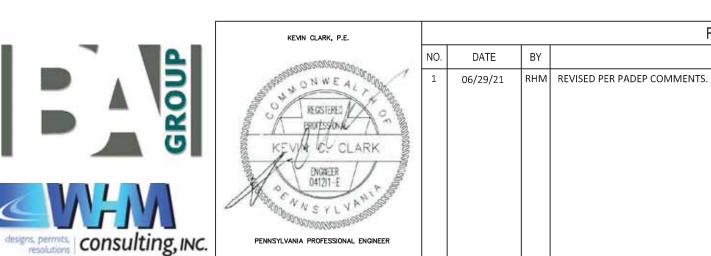
AVAILABLE.

DATE BY

SOCK (SEE NOTE 4)

-12" ABOVE SOCK





REVISIONS				TRA	ANSC	ONTINEN [.]	TAL GAS PIPE LINE COMPAN	Y, LLC	
DESCRIPTION	W.O. NO.	СНК.	APP.	REGIONAL ENERGY ACCESS EXPANSION PROJECT -					
S.				MAINLINE A REGULATOR					
		SOIL EROSION & SEDIMENT CONTROL AND SITE RESTORATION							
							NOTES		
				L	OWER	MAKEFIEL	ELD TWP., BUCKS COUNTY, PENNSYLVANIA		
				DRAWN BY: DRV	DATE:	03/31/21	ISSUED FOR BID:	SCALE:	
				CHECKED BY: RJN	DATE:	03/31/21	ISSUED FOR CONSTRUCTION:	REVISION:	
				APPROVED BY: KCC	DATE:	03/31/21	DRAWING NUMBER: 26-1000-70-28-D OF	SHEET 6	
				WO: 1232580	RID:	304		OF 6	