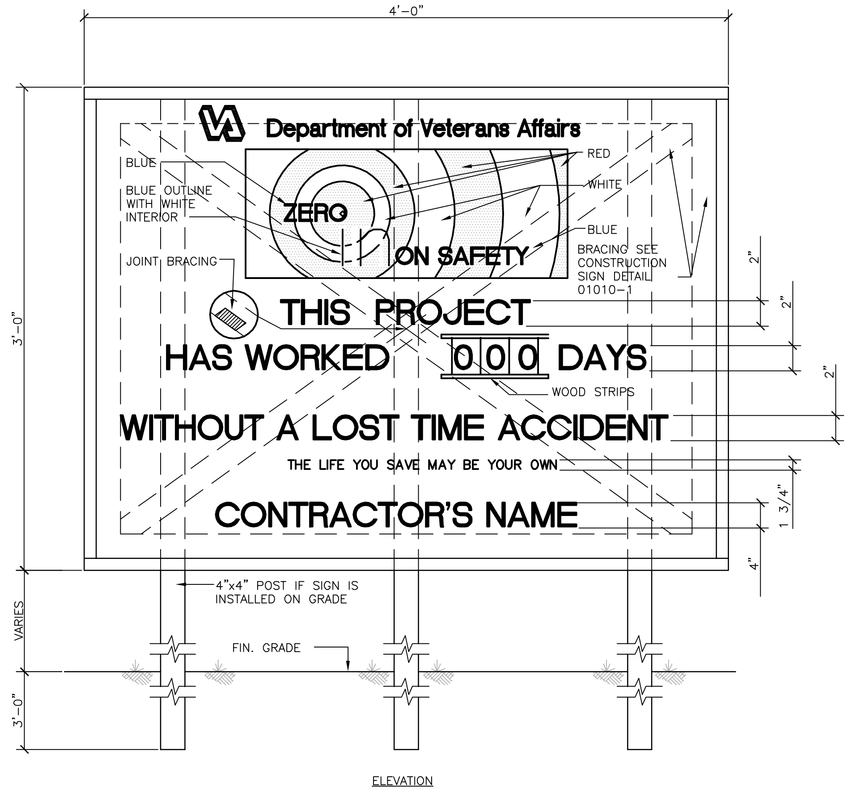
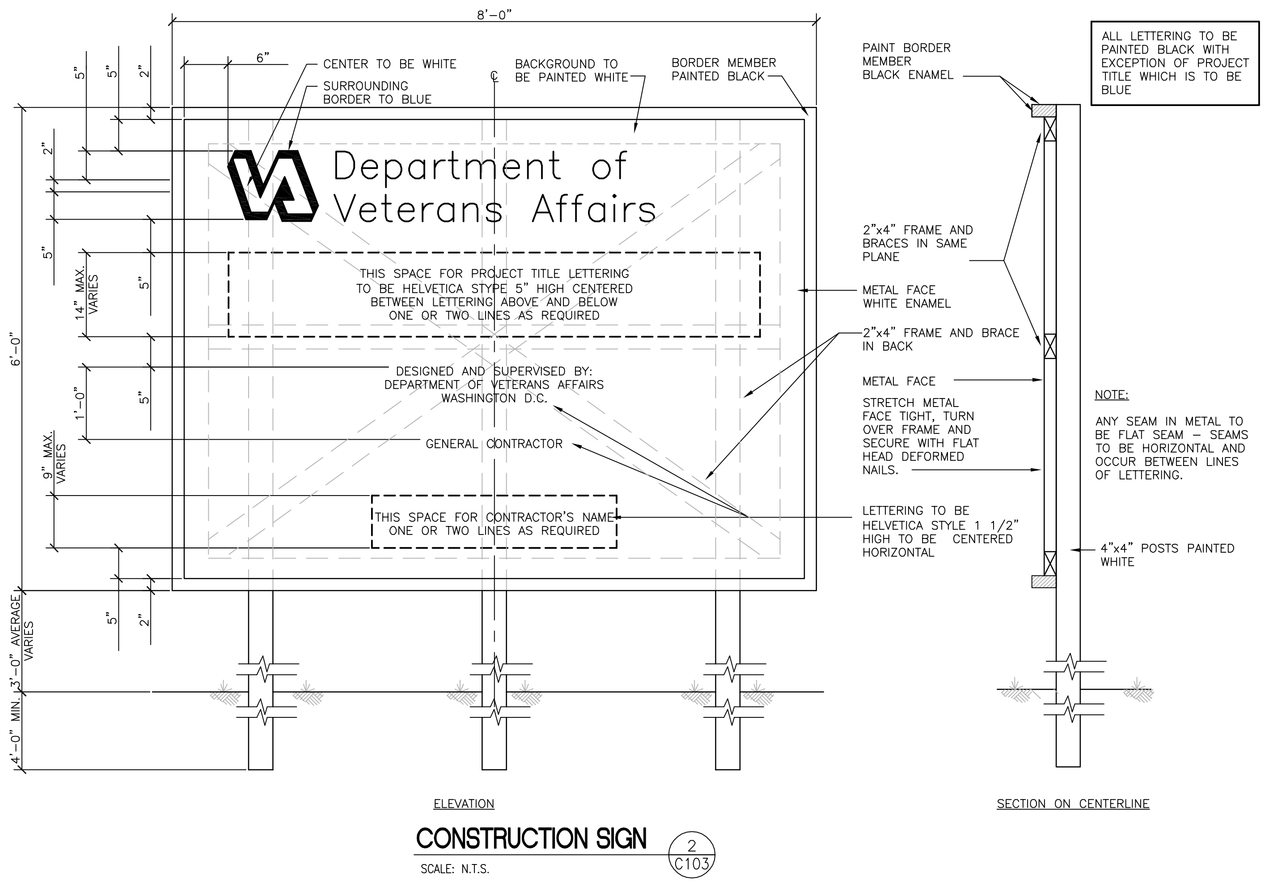


ELEVATION

SAFETY SIGN

SCALE: N.T.S. (1 / C103)



ELEVATION — SECTION ON CENTERLINE

CONSTRUCTION SIGN

SCALE: N.T.S. (2 / C103)

UTILITY TRENCH PAVEMENT PATCH NOTES
32 12 16-04

1. MATERIAL AND COMPACTION REQUIREMENTS FOR PIPE BEDDING/SHADING SHALL BE IN ACCORDANCE WITH THE SPECIFICATIONS FOR THE APPLICABLE UTILITY PIPE.
2. TRENCH BACKFILL SHALL COMMENCE 1 FOOT ABOVE THE TOP OF PIPE AND SHALL BE PER DIV. 31 SECTION EARTHWORK.
3. BACKFILL COMPACTION REQUIREMENTS SHALL BE PER DIV. 31 SECTION EARTHWORK.
4. ABC SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS.
5. PORTLAND CEMENT CONCRETE SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF DIV. 32 SECTION CEMENT AND CONCRETE.
6. ASPHALTIC TACK MATERIAL SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF DIV. 32 SECTION ASPHALT PAVING.
7. ASPHALTIC CONCRETE SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF DIV. 32 SECTION ASPHALT PAVING FOR THE TYPE SPECIFIED.
8. BITUMINOUS SURFACE TREATMENT (CHIP SEAL) SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF DIV. 32 SECTION ASPHALT PAVING FOR THE TYPE SPECIFIED.
9. LOAD TRANSFER DOWELS FOR JOINTS TRANSVERSE TO THE ROADWAY CENTERLINE SHALL BE SMOOTH STEEL DOWELS IN ACCORDANCE WITH THE REQUIREMENTS OF DIV. 32 SECTION CEMENT. DOWELS SHALL BE SIZED AND SPACED AS FOLLOWS:

PCCP THICKNESS	DOWEL SIZE	DOWEL LENGTH	DOWEL SPACING
6"	#5	12"	18"
7"	#6	15"	15"
8"	#8	15"	12"
10"	#10	15"	12"

10. DEFORMED TIE BARS SHALL BE USED IN TRENCH PATCHES LONGITUDINAL TO THE ROADWAY CENTERLINE WHEN THE TRENCH LENGTH IS GREATER THAN 50 FEET. TIE BARS SHALL BE 24 INCHES LONG DEFORMED #4 BARS FOR PCCP LESS THAN 8 INCHES THICK AND #5 BARS IF 8 INCHES THICK OR MORE. TIE BARS SHALL BE PLACED 30 INCHES CENTER-TO-CENTER.
11. HOLES SHALL BE DRILLED 1 FOOT INTO THE EXISTING SLAB FOR TIE BARS AND 7 INCHES FOR DOWELS. HOLES SHALL BE OF A DIAMETER SUFFICIENT TO ACCOMMODATE THE TIE BAR ANCHORAGE OR DOWEL CAP. TIE BARS SHALL BE ANCHORED WITH AN APPROVED HIGH VISCOSITY EPOXY.
12. IF THE CONCRETE SLAB REMAINING NEXT TO A LONGITUDINAL OR TRANSVERSE JOINT IS LESS THAN 6 FEET AT ITS NARROWEST WIDTH, REMOVE AND REPLACE THE EXISTING CONCRETE TO THE JOINT.

SEEDING SCHEDULE

NOTE: THE FOLLOWING SEEDING SCHEDULE SHALL BE USED UNLESS OTHERWISE NOTED.

TEMPORARY COVER FOR EROSION CONTROL

INITIAL PROTECTION: USE WHERE SEEDING IS TO BE DELAYED OR AFTER TEMPORARY SEED IS APPLIED, HAY OR STRAW APPLIED AT A RATE OF THREE TONS PER ACRE.

SITE PREPARATION: ONE TON AGRICULTURAL GRADE LIMESTONE PER ACRE PLUS 50#-50#-50# FERTILIZER PER ACRE. WORK INTO SOIL.

SEASON	SPECIES	RATE (LB./ACRE)
SPRING (MARCH 15 TO JUNE 15)	ANNUAL RYEGRASS or SPRING OATS	40 96
SUMMER (JUNE 16 TO AUGUST 15)	ANNUAL RYEGRASS	40
FALL (AUGUST 16 TO NOVEMBER 1)	ANNUAL RYEGRASS or WINTER RYE	40 168

MULCHING: APPLY THREE TONS PER ACRE OF HAY OR STRAW TO ACHIEVE A LOOSE LAYER 3/4-1" DEEP. USE HAY RATHER THAN STRAW ON STEEP SLOPES. APPLY NON-ASPHALTIC CON-TACK TACKIFIER by CONWEB FIBERS OR APPROVED EQUIVALENT, AT A RATE OF 50 LBS. PER ACRE, WITH SPRAYING EQUIPMENT.

PERMANENT COVER FOR STABILIZATION

SEEDING DATES: PER DIV. 32 SECTIONS PLANTING

SITE PREPARATION: SEE SPECIFICATIONS

PERMANENT: ALL DISTURBED AREAS TO BE PREPARED AND SEEDED WITH THE FOLLOWING SPECIES AT THE NOTED SEEDING RATE FOLLOWING FINAL GRADING:

MULCHING: APPLY THREE TONS PER ACRE OF HAY OR STRAW TO ACHIEVE A LOOSE LAYER 3/4-1" DEEP. USE HAY RATHER THAN STRAW ON STEEP SLOPES. APPLY NON-ASPHALTIC CON-TACK TACKIFIER by CONWEB FIBERS OR APPROVED EQUIVALENT, AT A RATE OF 50 LBS. PER ACRE, WITH SPRAYING EQUIPMENT.

SOURCE: Penn State College of Agriculture Sciences, EROSION CONTROL AND CONSERVATION PLANTINGS ON NONCROPLAND by Peter Landschoot, 1997 or as revised.

SEED SPECIES BY SITE	RATE (LB./1000 SF)
LAWNS	
SOD PER SPECIFICATION	
SLOPES AND BANKS	
UNIFORM COVER (MECHANICAL BROADCAST)	
CHEWINGS FESCUE (FESTUCA RUBRA COMMUTATA) and	2
BLUE FESCUE (FESTUCA OVINA GLAUCA) and	2
HARD FESCUE (FESTUCA OVINA DURIUSCULA) and	1
CREEPING RED FESCUE (FESTUCA RUBRA RUBRA) and	1
SLENDER FESCUE (FESTUCA RUBRA TRICHOPHYLLA) and	1
DAWSON RED FESCUE (FESTUCA RUBRA DAWSON) and	1
ANNUAL RYEGRASS (FESTUCA MULTIFLORUM)	0.5
*VARIETIES: JAMESTOWN II, WARWICK, FALCON, SPARTAN, RELIANT, WALDINA, SCALDIS	

PROVIDE 4" MINIMUM TOPSOIL OVER ALL AREAS TO RECEIVE TEMPORARY OR PERMANENT STABILIZATION

EROSION AND SEDIMENT CONTROL NOTES:

GENERAL NOTES:

1. VEHICLES AND EQUIPMENT MAY ONLY ENTER AND EXIT THE CONSTRUCTION SITE VIA A STABILIZED ROCK CONSTRUCTION ENTRANCE.
2. IN THE EVENT OF SINKHOLE DISCOVERY A PROFESSIONAL GEOLOGIST OR ENGINEER WILL BE CONTACTED CONCERNING MITIGATION.
3. STOCKPILE HEIGHTS MUST NOT EXCEED 35 FEET. STOCKPILE SLOPES MUST BE 2:1 OR FLATTER. STOCKPILED MATERIAL SHALL BE STABILIZED AGAINST EROSION BY SEEDING AND MULCHING WITH ANNUAL RYEGRASS AT A RATE OF 4 LBS./1000 SQ. FT. IF SEASON CONDITIONS WILL NOT PERMIT SEEDING THEN STOCKPILES WILL BE ENCLOSED WITH A BALED STRAW BARRIER. SOIL FROM TRENCH EXCAVATION MUST BE PROTECTED FROM EROSION IF IT WILL BE EXPOSED LONGER THAN TWENTY-FOUR (24) HOURS.
4. THE OPERATOR SHALL ASSURE THAT THE APPROVED EROSION AND SEDIMENT CONTROL PLAN IS PROPERLY AND COMPLETELY IMPLEMENTED.
5. FAILURE TO CORRECTLY INSTALL SEDIMENT CONTROL FACILITIES OR FAILURE TO PREVENT SEDIMENT LADEN RUNOFF FROM LEAVING THE CONSTRUCTION SITE OR FAILURE TO TAKE CORRECTIVE ACTIONS TO IMMEDIATELY RESOLVE FAILURES OF SEDIMENT CONTROL FACILITIES MAY RESULT IN ADMINISTRATIVE, CIVIL AND/OR CRIMINAL PENALTIES BEING INSTITUTED BY THE PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION AS DEFINED IN SECTION 602 OF THE CLEAN STREAMS LAW OF PENNSYLVANIA. THE CLEAN STREAMS LAW PROVIDES 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.
6. UNTIL THE SITE ACHIEVES FINAL STABILIZATION, THE OPERATOR SHALL ASSURE THAT THE BMPS ARE IMPLEMENTED, OPERATED, AND MAINTAINED PROPERLY AND COMPLETELY. MAINTENANCE SHALL INCLUDE INSPECTIONS OF ALL BEST MANAGEMENT PRACTICE FACILITIES AND MEASURES AFTER EACH RUNOFF EVENT AND EACH WEEK. THE OPERATOR SHALL MAINTAIN AND MAKE AVAILABLE WRITTEN INSPECTION LOGS OF ALL THOSE INSPECTIONS. ALL MAINTENANCE WORK, INCLUDING CLEANING, REPAIR, REPLACEMENT, REGRADING, AND RESTABILIZATION SHALL BE PERFORMED IMMEDIATELY.
7. IMMEDIATELY UPON DISCOVERING UNFORESEEN CIRCUMSTANCES POSING THE POTENTIAL FOR ACCELERATED EROSION AND/OR SEDIMENT POLLUTION, THE OPERATOR SHALL IMPLEMENT APPROPRIATE BMPS TO ELIMINATE POTENTIAL FOR ACCELERATED EROSION AND/OR SEDIMENT POLLUTION.
8. BEFORE INITIATING ANY REVISIONS TO THE APPROVED EROSION AND SEDIMENT CONTROL PLANS, WHICH MAY AFFECT THE EFFECTIVENESS OF THE APPROVED EROSION AND SEDIMENT CONTROL PLAN, THE OPERATOR MUST RECEIVE APPROVAL OF THE REVISIONS FROM ENGINEER.
9. ALL PUMPING OF SEDIMENT LADEN WATER SHALL BE THROUGH A SEDIMENT CONTROL BMP, SUCH AS A PUMPED WATER FILTER BAG DISCHARGING OVER NON-DISTURBED AREAS.
10. CONTRACTOR IS ADVISED TO BECOME THOROUGHLY FAMILIAR WITH THE PROVISIONS OF THE APPENDIX 64, EROSION CONTROL RULES AND REGULATIONS, TITLE 25, PART 1, DEPARTMENT OF ENVIRONMENTAL PROTECTION, SUBPART C, PROTECTION OF NATURAL RESOURCES, ARTICLE III, WATER RESOURCES, CHAPTER 102, EROSION CONTROL.
11. A COPY OF THE APPROVED EROSION AND SEDIMENT CONTROL PLAN MUST BE AVAILABLE AT THE PROJECT SITE AT ALL TIMES.
12. EROSION AND SEDIMENT BMP'S MUST BE CONSTRUCTED, STABILIZED, AND FUNCTIONAL BEFORE SITE DISTURBANCES BEGINS WITHIN THE TRIBUTARY AREAS OF THOSE BMP'S.
13. AFTER FINAL SITE STABILIZATION HAS BEEN ACHIEVED, TEMPORARY EROSION AND SEDIMENT BMP'S CONTROLS MUST BE REMOVED. AREAS DISTURBED DURING REMOVAL OF THE BMP'S MUST BE STABILIZED IMMEDIATELY.
14. AT LEAST SEVEN DAYS BEFORE STARTING ANY EARTH DISTURBANCE ACTIVITIES, CONTRACTOR SHALL INVITE ALL CONTRACTORS INVOLVED IN THOSE ACTIVITIES, THE LANDOWNER, AND THE EROSION AND SEDIMENTATION CONTROL PLAN PREPARER TO AN ON-SITE PRE-CONSTRUCTION MEETING. ALSO, BEFORE STARTING ANY EARTH DISTURBANCE ACTIVITIES, ALL CONTRACTORS INVOLVED IN THOSE ACTIVITIES SHALL REFER TO DIV. 31 SECTION EARTHMOVING FOR SPECIFICATION FOR BURIED UTILITIES LOCATIONS.
15. IMMEDIATELY AFTER EARTH DISTURBANCE ACTIVITIES CEASE, THE OPERATOR SHALL STABILIZE ANY AREAS DISTURBED BY THE ACTIVITIES. DURING NON-GERMINATING PERIODS, MULCH MUST BE APPLIED AT THE SPECIFIED RATES. DISTURBED AREAS, WHICH ARE NOT AT FINISHED GRADE AND WHICH WILL BE REDISTURBED WITHIN ONE YEAR, MUST BE STABILIZED IN ACCORDANCE WITH THE TEMPORARY VEGETATIVE STABILIZATION SPECIFICATIONS. DISTURBED AREAS, WHICH ARE AT FINISHED GRADE OR WHICH WILL NOT BE REDISTURBED WITHIN ONE YEAR, MUST BE STABILIZED IN ACCORDANCE WITH THE PERMANENT VEGETATIVE STABILIZATION SPECIFICATIONS.
16. UNTIL THE SITE IS STABILIZED, ALL EROSION AND SEDIMENT BMP'S MUST BE MAINTAINED PROPERLY. MAINTENANCE MUST INCLUDE INSPECTIONS OF ALL EROSION AND SEDIMENT CONTROL BMP'S 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 PERFORMED IMMEDIATELY. IF EROSION AND SEDIMENT CONTROL BMP'S FAIL TO PERFORM AS EXPECTED, REPLACEMENT BMP'S, OR MODIFICATIONS OF THOSE INSTALLED WILL BE REQUIRED.
17. SEDIMENT REMOVED FROM BMP'S SHALL BE DISPOSED OF IN LANDSCAPED AREAS OUTSIDE STEEP SLOPES, WETLANDS, FLOODPLAINS OR DRAINAGE SWALES AND IMMEDIATELY STABILIZED, OR PLACED IN TOPSOIL STOCKPILES.
18. THE OPERATOR SHALL REMOVE FROM THE SITE, RECYCLE, OR DISPOSE OF ALL BUILDING MATERIALS AND WASTES IN ACCORDANCE WITH THE DEPARTMENT'S SOLID WASTE MANAGEMENT REGULATIONS AT 25 PA CODE 260.1 ET SEQ., 271.1 ET SEQ., AND 287.1 ET SEQ. THE CONTRACTOR SHALL NOT ILLEGALLY BURY, DUMP, OR DISCHARGE ANY BUILDING MATERIAL OR WASTES AT THE SITE.
19. 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.
20. THE CUT-OFF DATE FOR SEEDING, INCLUDING HYDRO-SEEDING (EXCEPT RYE GRASS), IS OCTOBER 15TH. ANY AREAS DISTURBED AFTER THIS DATE, PRIOR TO THE START OF THE GROWING SEASON IN THE SPRING, MUST BE STABILIZED WITH MULCH.
21. EARTHMOVING ACTIVITIES WITHIN THE CONSTRUCTION SEQUENCE SHALL BE PLANNED TO MINIMIZE THE AERIAL EXTENT OF EARTH DISTURBANCE.
22. ALL STRUCTURES ASSOCIATED WITH THE CONSTRUCTION OF SEDIMENT REMOVAL FACILITIES MUST BE AVAILABLE ON-SITE PRIOR TO ANY EARTHMOVING.
23. THE OPERATOR SHALL ENSURE THAT AN EROSION AND SEDIMENT CONTROL PLAN IS BEING IMPLEMENTED AND MAINTAINED FOR ALL SOIL AND/OR ROCK SPOIL AND BORROW AREAS, REGARDLESS OF THEIR LOCATIONS.
24. SEDIMENT MUST BE REMOVED FROM STORM WATER INLET PROTECTION AFTER EACH RUNOFF EVENT.
25. ALL STORM WATER STRUCTURES ARE TO BE CONSTRUCTED FROM DOWNSTREAM TO UPSTREAM.
26. CONSTRUCTION OPERATIONS SHALL BE CARRIED OUT IN A MANNER THAT ALL EROSION AND AIR/WATER POLLUTION IS MINIMIZED. STATE AND LOCAL LAWS CONCERNING POLLUTION ABATEMENT SHALL BE FOLLOWED.
30. AS LITTLE NATURAL VEGETATIVE COVER, AS NECESSARY TO ACHIEVE PROPER GRADING, WILL BE REMOVED.
32. TEMPORARY GROUND COVER IS TO BE ESTABLISHED WHERE ACTIVITY HAS CEASED AND PERMANENT STABILIZATION IS NOT PRACTICAL.

TEMPORARY & PERMANENT STABILIZATION:

1. HAY OR STRAW MULCH MUST BE APPLIED AT RATES OF 3.0 TONS PER ACRE.
2. MULCH WITH MULCH CONTROL NETTING OR EROSION CONTROL BLANKETS MUST BE INSTALLED ON ALL SLOPES 3:1 AND STEEPER.
3. STRAW MULCH SHALL BE APPLIED IN LONG STRANDS, NOT CHOPPED OR FINELY BROKEN.
4. OPERATOR SHALL BE RESPONSIBLE FOR CLEANING OR REPLACING SILT FENCES AFTER EACH RUNOFF EVENT TO INSURE CONTINUED OPERATION.
5. STONE BASE COURSES FOR ROADWAY AND DRIVEWAYS WILL BE PLACED AS SOON AS PRACTICAL.
6. STOCKPILES OF MULCHES SUCH AS WOOD CHIPS, CRUSHED STONE, STRAW, AND JUTE MESH SHALL BE KEPT ON THE SITE AND BE AVAILABLE TO DEAL WITH EROSIVE CONDITIONS AS THEY ARISE.
7. ALL TEMPORARY CONTROLS ARE TO REMAIN IN PLACE DURING THE COMPLETE CONSTRUCTION PHASE UNTIL THE SOIL HAS BEEN STABILIZED, UNLESS OTHERWISE NOTED.

OTHER BMPS (SPECIFY):

1. SEDIMENT MUST BE REMOVED FROM STORM WATER INLET PROTECTION AFTER EACH RUNOFF EVENT.

MAINTENANCE PROGRAM:

1. AREAS THAT CONTAIN SOD SHALL BE CHECKED VERY CAREFULLY TO ENSURE THAT JOINTS BETWEEN THE SOD STRIPS ARE TIGHT AND SECURE. WHERE JOINT SEPARATION IS IN EVIDENCE, A CAREFUL INSPECTION OF EACH JOINT SHALL BE MADE TO DETERMINE WHETHER UNDERMINING OF THE STRIPS IS OCCURRING. IF IT IS, THE STRIPS SHALL BE ROLLED UP, THE SUBSURFACE SHALL BE FILLED AND GRADED AS REQUIRED, AND THE SOD STRIPS SHALL BE RE-LAID WITH TIGHT JOINTS AND PEGGING.
2. SEEDED AREAS THAT HAVE WASHED AWAY SHALL BE FILLED AND GRADED AS NECESSARY AND THEN RESEEDED. A BURLAP OR STRAW COVER WILL BE APPLIED TO RETAIN THE SEED UNTIL IT HAS A CHANCE TO ROOT PROPERLY.
3. THE ABOVE PROCEDURE SHALL BE REPEATED AFTER EACH RUNOFF EVENT UNTIL NO MORE SIGNS OF EROSION ARE EVIDENT. AT MONTHLY INTERVALS THEREAFTER, INSPECTIONS AND NECESSARY CLEANING WILL BE DONE.
4. VEGETATION SHALL BE MOWED WHENEVER NECESSARY TO MAINTAIN A PLEASING APPEARANCE AND DISCOURAGE WEED GROWTH. ALL LOCAL REGULATIONS WILL BE COMPLIED WITH.
5. TRASH THAT IS REMOVED FROM ANY OF THE CONTROL DEVICES SHALL BE DISPOSED OF AT AN APPROVED MUNICIPAL DISPOSAL AREA.
6. ONCE THE SITE IS PERMANENTLY STABILIZED, THE PROPERTY OWNER WILL PERIODICALLY CHECK THE GRADED AREAS TO OBSERVE ANY EROSION PROBLEMS THAT MAY BE DEVELOPING. ANY DAMAGED AREAS SHOULD BE REPAIRED IMMEDIATELY.

UTILITY LINE TRENCH EXCAVATION:

1. CONSTRUCTION REQUIREMENTS:
   - A. CONTRACTOR SHALL ENSURE THAT ALL TRENCH EXCAVATIONS ARE ADEQUATELY STABILIZED IN ACCORDANCE WITH THE OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION, STATE, MUNICIPAL, AND ANY OTHER LOCAL AGENCY CODES OF SAFE PRACTICE REGARDING SUPPORT REQUIREMENTS.
   - B. 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.
   - C. WORK CREWS AND EQUIPMENT FOR TRENCHING, PLACEMENT OF PIPE, PLUG CONSTRUCTION, AND BACKFILLING WILL BE SELF CONTAINED AND SEPARATE FROM CLEARING AND GRUBBING AND SITE RESTORATION AND STABILIZATION OPERATIONS.
   - D. LIMIT DAILY TRENCH EXCAVATION TO THE LENGTH OF PIPE PLACEMENT, PLUG INSTALLATION AND BACKFILLING THAT CAN BE COMPLETED THE SAME DAY.
   - E. WATER WHICH ACCUMULATES IN THE OPEN TRENCH WILL BE COMPLETELY REMOVED BY PUMPING BEFORE PIPE PLACEMENT AND/OR BACKFILLING BEGINS. THE SEEPAGE WILL BE PUMPED TO A FACILITY FOR REMOVAL OF SEDIMENT. THIS FACILITY MUST BE LOCATED OUTSIDE OF THE CHANNEL IF EXCAVATION TRENCHES ARE UNDERNEATH OR ADJOINING SMALL STREAMS. THE DETAIL "PUMPED WATER FILTER BAG" ILLUSTRATES THE FACILITY TO BE USED.
   - F. ON THE DAY FOLLOWING PIPE PLACEMENT AND TRENCH BACKFILLING, THE DISTURBED AREA WILL BE GRADED TO FINAL CONTOURS AND THE APPROPRIATE TEMPORARY EROSION AND SEDIMENT POLLUTION CONTROL MEASURES/FACILITIES WILL BE INSTALLED. STABILIZING OF ALL DISTURBED AREAS WILL BE DONE AT THE END OF EACH WEEK.
2. EXCEPTIONS:

IN CERTAIN CASES TRENCHES CANNOT BE BACK FILLED UNTIL THE PIPE IS HYDROSTATICALLY TESTED, OR ANCHORS AND OTHER PERMANENT FEATURES ARE INSTALLED. IN THESE CASES, ALL OF THE REQUIREMENTS LISTED UNDER ITEM 1 WILL REMAIN IN EFFECT WITH THE FOLLOWING EXCEPTIONS:

- A. DAILY BACK FILLING OF THE TRENCH MAY BE DELAYED FOR SIX DAYS. ALL PRESSURE TESTING AND THE COMPLETE BACK FILLING OF THE OPEN TRENCH MUST BE COMPLETED BY THE SEVENTH WORKING DAY.
- B. IF DAILY BACK FILLING IS DELAYED, THE DISTURBED AREA WILL BE GRADED TO FINAL CONTOURS, APPROPRIATE TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES/FACILITIES WILL BE INSTALLED, AND THE AREA STABILIZED WITHIN THE NEXT TWO CALENDAR DAYS.

Revisions:	Date

CONSULTANTS:

GEOTECHNICAL CONSULTANT:

ADVANTAGE ENGINEERS
110 Century Drive
Mechanicsburg, PA 17055
Office: (717) 439-0800
Fax: (717) 439-0803
www.advantageengineers.com

ENGINEERS:

BARRY ISETT & ASSOCIATES, INC.
Multidiscipline Engineers & Consultants

Allentown, PA	610.398.0904	Hazleton, PA	570.455.2999
Valley Forge, PA	610.935.2175	Phillipsburg, NJ	908.454.9500
Berlin, MD	410.629.0883		

www.barryisett.com

BIA# 1045612.000

Drawing Title: NOTES AND DETAILS

Project Title: REPAIR STRUCTURAL TUNNEL JOINTS

Location: - COATESVILLE PA

Date: 07/17/2013 | Checked: REK / RKF | Drawn: RPK

Project Number: 542-13-104

Building Number: 9 - 38 - 59

Drawing Number: C103

Dwg. 18 of 31

Office of Construction and Facilities Management

Department of Veterans Affairs

VA FORM 08-6231

\\Vbices.com\work\Land_Serv\VFORG\Projects\2012\1045612_VAMC_TUNNELS\dwg\1045612civil.dwg 7-15-13 10:50:27 AM rkocher