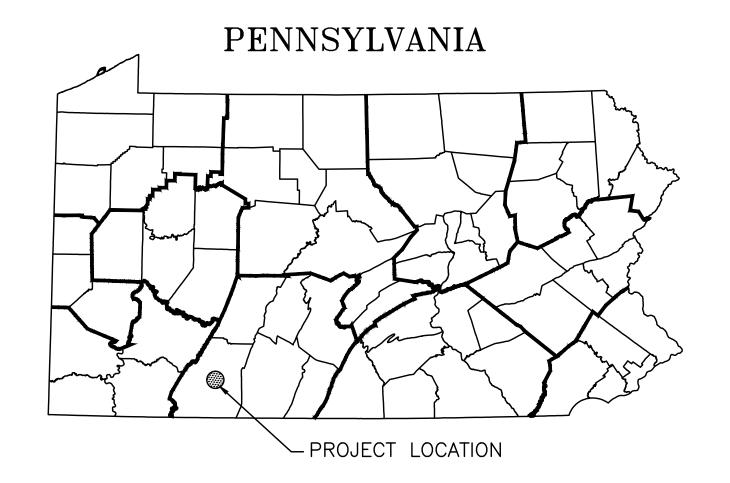
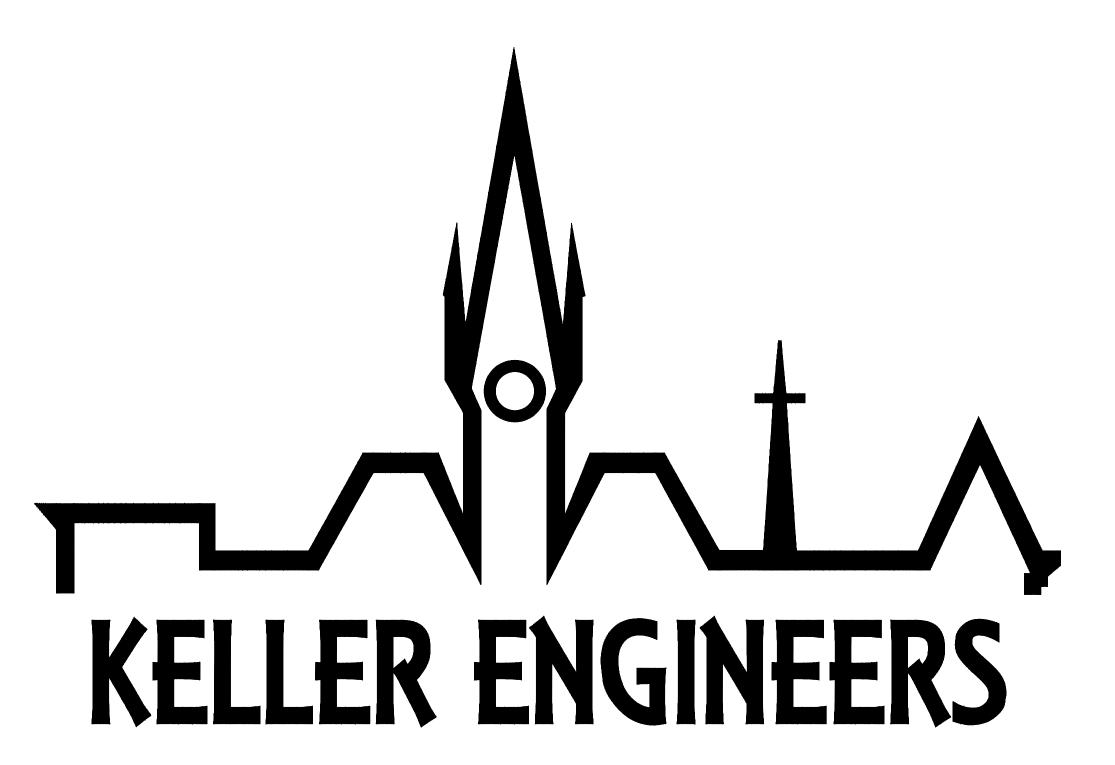
LAND DEVELOPMENT PLANS SENIOR DAY CARE CENTER FOR ALLEGHENY LUTHERAN SOCIAL MINISTRIES

SOMERSET TOWNSHIP, SOMERSET COUNTY PENNSYLVANIA





OWNER STORMWATER MANAGEMENT CERTIFICATION

ON THIS DAY OF _______, 20____THE DEVELOPER / OWNER IS RESPONSIBLE FOR THE PERPETUAL OPERATION AND MAINTENANCE OF THE STORMWATER MANAGEMENT SYSTEM(S). MAINTENANCE SHALL INCLUDE ALL MEASURES NECESSARY TO ENSURE CONTINUED FUNCTION OF THE SYSTEM. FURTHERMORE, DEVELOPER / OWNER ACKNOWLEDGES THE STORMWATER MANAGEMENT SYSTEM TO BE A PERMANENT FIXTURE WHICH CAN BE ALTERED OR REMOVED ONLY AFTER APPROVAL BY THE TOWNSHIP OF A REVISED STORMWATER PLAN.

ENGINEER CERTIFICATION

I, MARK J. HAEFNER, P.E. DO HEREBY CERTIFY TO THE BEST OF MY KNOWLEDGE, INFORMATION AND BELIEF, THAT THE INFORMATION CONTAINED IN THE ACCOMPANYING PLANS, HAS BEEN PREPARED IN ACCORDANCE WITH ACCEPTED ENGINEERING PRACTICES AND IS ACCURATE, TRUE AND CORRECT.

SIGNATURE

COUNTY PLANNING COMMISSION

REVIEWED BY THE SOMERSET COUNTY PLANNING COMMISSION

_____, DAY OF_____, 20____.

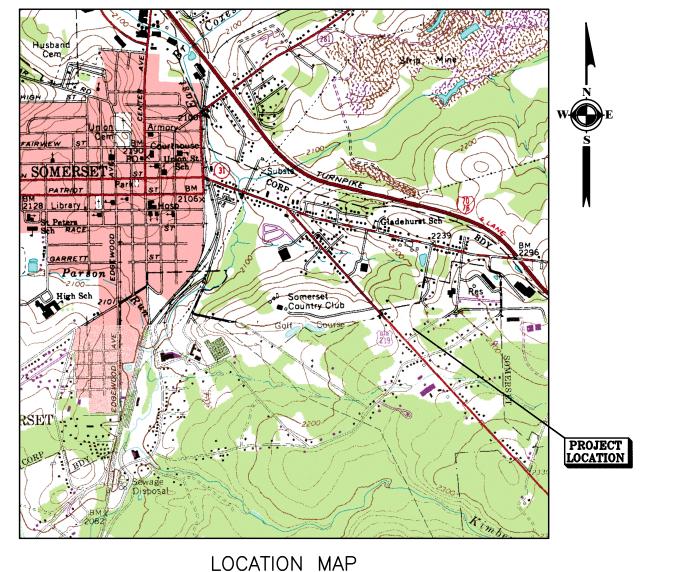
SIGNATURE _____

HOLLIDAYSBURG • STATE COLLEGE

DRAWING INDEX		
SHEET	TITLE	REVISION
1	TITLE	
2	INDEX & EXISTING CONDITIONS	
3	E&S NOTES AND DETAILS	
4	E&S PLAN AND DETAILS	
5	SITE / GRADING PLANS	
6	UTILITY / LANDSCAPE PLANS	
7	PROFILES / DETAILS	
8	DETAILS	
9	HIGHWAY OCCUPANCY PERMIT PLAN	

EQUITABLE OWNER/DEVELOPER:
ALLEGHENY LUTHERAN SOCIAL MINISTRIES
998 LOGAN BOULEVARD
ALTOONA, PA 16602

814-696-4500



PENNSYLVANIA STATE UTILITY ACT LIST

PENNSYLVANIA ONE CALL SERIAL #2016-046-0957 (PRELIMINARY DESIGN 2016-02-15)

THREE DAYS PRIOR TO THE START OF ANY CONSTRUCTION ACTIVITY, THE CONTRACTOR SHALL NOTIFY ALL UTILITIES OF THE PENDING CONSTRUCTION AND NOTIFY THE PENNSYLVANIA ONE CALL SYSTEM AT 1-800-242-1776 OR THE COMMON GROUND ALLIANCE NATIONAL ONE-CALL AT 811.

THE CONTRACTOR SHALL LOCATE, BOTH IN PLAN AND ELEVATION, ALL EXISTING UTILITIES AND SERVICES WITHIN THE AREA OF CONSTRUCTION, COMPLY WITH THE UNDERGROUND UTILITY LINE PROTECTION LAW, ACT OF 1974, P.L. 852 NO. 287, DATED DECEMBER 12, 1991.

THE FOLLOWING UTILITIES ARE ON THE PA ONE CALL WEBSITE AS HAVING FACILITIES IN SOMERSET TOWNSHIP, SOMERSET COUNTY, PA

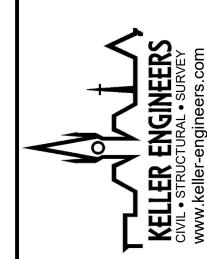
AMERIGAS PROPANE LP
ARMSTRONG
CNX FAS COMPANY LLC
COLUMBIA GAS OF PA INC SOMERSET
COMCAST
MOSTOLLER LANDFILL INC
PEG BANDWIDTH PA LLC
PENNSYLVANIA ELEC CO
PEOPLES NATURAL GAS LLC / PEOPLES TWP LLC
SALSGIVER TELECOM

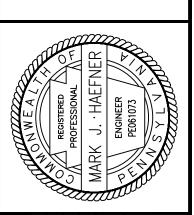
PENNSYLVANIA ELEC CO
PEOPLES NATURAL GAS LLC / PEOPLES TWP LLC
SALSGIVER TELECOM
SOMERSET BOROUGH
SOMERSET COUNTY GENERAL AUTHORITY
SOMERSET RURAL ELECTRIC COOPERATIVE INC

SOMERSET RURAL ELECTRIC COOPERATIVE INC SOMERSET TOWNSHIP SOMERSET TOWNSHIP MUNICIPAL AUTH TEXAS EASTERN / SPECTRA VERIZON NORTH



420 Allegheny Street Hollidaysburg, PA 16648 P:(814) 696-7430

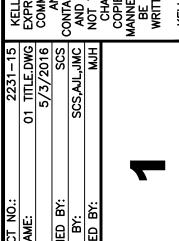




7,22/17 SCS ADJUSTED CHANNEL DETAIL TO MATCH REPORT ADDED SIDEWALK ADDED SIDEWALK

SENIOR DAY CARE CENTER
HENY LUTHERAN SOCIAL MINIST
SOMERSET TOWNSHIP, SOMERSET COUNTY

KELLER ENGINEERS, INC.
EXPRESSLY RESERVES ITS
COMMON LAW COPYRIGHT
AND OTHER RIGHTS
CONTAINED IN THESE PLANS
AND DESIGNS. THEY ARE
NOT TO BE REPRODUCED,
CHANGED, ALTERED OR
COPIED IN ANY FORM OR
MANNER, NOR ARE THEY TO
BE ASSIGNED WITHOUT
WRITTEN PERMISSION AND
CONSENT OF



GENERAL NOTES: STORMWATER MAINTENANCE PLAN A. MAINTENANCE RESPONSIBILITY: . PROPERTY IS CURRENTLY OWNED BY DAVID K. & SUSAN M. HALVERSON (ONE-QUARTER INTEREST); • THE PRIME SITE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTENANCE OF ALL PERMANENT DANIEL H. & BARBARA J. HALVERSON (ONE-QUARTER INTEREST); ROBERT S. HALVERSON STORMWATER MANAGEMENT FACILITIES UNTIL CONSTRUCTION COMPLETION HAS OCCURRED. THE (ONE-QUARTER INTEREST); AND BARRY T. & KORI L. HALVERSON (ONE-QUARTER INTEREST) AS OWNER SHALL THEN ASSUME RESPONSIBILITY FOR MAINTENANCE OF ALL PERMANENT STORMWATER RECORDED IN SOMERSET COUNTY RECORD BOOK VOLUME 2479 AT PAGE 605 AND INDEXED AS TAX MANAGEMENT FACILITIES FOR THE LIFE OF THE FACILITY. PARCEL NUMBER 42-49-64. • UPON FINAL COMPLETION, THE FACILITIES WILL BE TURNED OVER TO THE OWNER, WHO WILL THEN BECOME RESPONSIBLE FOR CONTINUING MAINTENANCE OF THE PERMANENT STORMWATER DEVELOPER/EQUITABLE OWNER IS ALLEGHENY LUTHERAN SOCIAL MINISTRIES, 998 LOGAN BOULEVARD, MANAGEMENT FACILITIES. ALTOONA, PA 16602, 814-696-4500. B. FACILITY INSPECTION SCHEDULE: • THE PRIME SITE CONTRACTOR SHALL INSPECT THE PERMANENT STORMWATER MANAGEMENT PROPERTY LINES AND RIGHT-OF-WAY LINES ARE BASED UPON A SURVEY DRAFT FOR A.L.S.M. AS FACILITIES ON A WEEKLY BASIS UNTIL CONSTRUCTION IS COMPLETE. PREPARED BY KELLER ENGINEERS DATED DECEMBER 2015 INDEXED AS PROJECT NO. 2231-15. • UPON COMPLETION OF CONSTRUCTION, THE OWNER SHALL COMMENCE ANNUAL INSPECTIONS OF THE PERMANENT STORMWATER MANAGEMENT FACILITIES. 4. HORIZONTAL AND VERTICAL CONTROL ARE BASED ON AN ASSUMED DATUM. • IN ADDITION TO THIS ANNUAL SCHEDULE, EACH FACILITY SHALL BE INSPECTED AFTER EACH S42-49-64-07\ MEASURABLE RUNOFF EVENT. SUBSURFACE EXFILTRATION SYSTEMS WILL BE VISUALLY INSPECTED APPROVAL OF THE PRELIMINARY PLANS DOES NOT AUTHORIZE CONSTRUCTION OF FACILITIES. N/F CHRISTOPHER B. BAILEY 2450/284 FOR BLOCKAGES, LEAKS, ETC. C. GENERAL: 6. DEVELOPMENT TIMETABLE • COMPLY WITH ALL INSTALLATION AND OPERATION & MAINTENANCE REQUIREMENTS OUTLINED WITHIN OBTAIN MUNICIPAL APPROVAL: SUMMER 2016 THE APPROVED PERMANENT STORMWATER MANAGEMENT FACILITY PLAN. BEGIN CONSTRUCTION: SUMMER 2016 MAINTAIN, REPLACE, REINSTALL AND/OR CLEAN ALL PERMANENT STORMWATER MANAGEMENT FACILITY COMPLETE CONSTRUCTION: WINTER 2017 DEVICES CALLED FOR IN THE PLAN. 542-49-27 N/F SOMERSET LUTHERAN HOUSING 2071/504 • ACCUMULATED SEDIMENT THAT IS REMOVED FROM PERMANENT STORMWATER MANAGEMENT FACILITY 7. THE PROPERTY CONSISTS OF 2.1 ACRES STRUCTURES WILL BE WASTED AT A PROPER AND LEGAL OFFSITE LANDFILL LOCATION. D. STORMWATER DETENTION SYSTEM: 8. THE PROPOSED USE OF THE DEVELOPMENT IS SENIOR DAY CARE CENTER. • INSPECT FOR DEBRIS AND SEDIMENT ACCUMULATION EVIDENCE IN THE TERMINAL CLEANOUT INLETS. • FLUSH SYSTEM AT CLEANOUT POINTS WITH PRESSURIZED HOSE STREAM. AND REMOVE 9. PROPERTY IS ZONED COMMERCIAL. ACCUMULATED SEDIMENT AS NECESSARY FROM EACH TERMINAL INLET TO MAINTAIN FUNCTIONALITY OF THE OUTFLOW SYSTEM. 10. BUILDING SETBACK DISTANCES: • ACCUMULATED SEDIMENT THAT IS REMOVED FROM CONTROL STRUCTURES IS TO BE WASTED AT A FRONT = 30'PROPER AND LEGAL OFFSITE LANDFILL LOCATION. SIDE = 15'. STORMWATER COLLECTION AND CONVEYANCE SYSTEM: REAR = 30'• INSPECT FOR DEBRIS AND SEDIMENT ACCUMULATION EVIDENCE IN THE PIPES, GUTTERLINE, AND 11. DENSITY CALCULATIONS: • REMOVE ACCUMULATED SEDIMENT AS NECESSARY FROM EACH FACILITY TO MAINTAIN CONVEYANCE 1.743 ACRES (81.7%) OPEN SPACE 0.226 ACRES (10.6%) PAVEMENT • CLEANOUT SYSTEM ON ANNUAL BASIS WITH PRESSURIZED HOSE STREAM AND REMOVE SEDIMENT 0.165 ACRES (7.7%) BUILDING • ACCUMULATED SEDIMENT THAT IS REMOVED FROM COLLECTION AND CONVEYANCE FACILITIES IS TO TOTAL IMPERVIOUS 0.391 ACRES (18.3%) BE WASTED AT A PROPER AND LEGAL OFFSITE LANDFILL LOCATION. TOTAL LOT SIZE 2.134 ACRES 12. ALL AREAS NOT COVERED BY IMPERVIOUS OR GRAVEL SURFACES SHALL BE CONSIDERED AS LAWN 13. SOILS ON THE SITE ARE: COOKPORT LOAM (SOIL GROUP 'C') NOLO LOAM (SOIL GROUP 'C/D') UDORTHENTS (SOIL GROUP 'A') WATER AND SEWERAGE SERVICES ARE SUPPLIED BY, AND SHALL MEET THE REQUIREMENTS OF SOMERSET TOWNSHIP MUNICIPAL AUTHORITY. 15. PROPOSED TELEPHONE, ELECTRIC, AND CABLE SERVICE TO BE CONSTRUCTED UNDERGROUND, CONTRACTOR TO COORDINATE EXACT LOCATION WITH RESPECTIVE UTILITY COMPANY. 16. ALL EXTERIOR LIGHTS TO BE FITTED WITH SHIELDS TO PREVENT GLARE ON ADJACENT PROPERTIES. 17. ALL UTILITY TRENCHES TO BE RESTORED TO ORIGINAL OR BETTER CONDITIONS. 18. THE PROPOSED DEVELOPMENT IS OUTSIDE OF THE 100 YEAR FLOODPLAIN. 19. ALL DOWNSPOUTS CONNECT TO STORM PIPING. CoB

20.	SWPP REFERS TO SMOOTH WALL (INTERIOR) CORRUGATED POLYETHYLENE PIPE.	
21.	PVC REFERS TO POLYVINYL CHLORIDE.	
22.	ALL STORMWATER FACILITIES SHALL BE INSPECTED AFTER EACH SIGNIFICANT STORM EVENT AND ON A MONTHLY BASIS. THEY SHALL BE CLEANED FROM ANY DEBRIS OR SEDIMENT DEPOSITS AND RESTORED TO ORIGINAL CONDITIONS.	
	THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL WORK NECESSARY TO ESTABLISH LINES, LOCATION, GRADES, DIMENSIONS, AND ELEVATIONS OF THE WORK FROM EXISTING FACILITIES. THE CONTRACTOR SHALL EXCAVATE TO THE LINES AND GRADES AS SHOWN ON THIS DRAWING. THE CONTRACTOR SHALL PERFORM ALL EXCAVATION OF EVERY DESCRIPTION AND OF WHATEVER SUBSTANCE ENCOUNTERED TO THE DEPTHS INDICATED. ALL EXCAVATED MATERIAL NOT REQUIRED OR	EXISTING FEATURES LEGEND
25.	UNSUITABLE FOR FILL SHALL BE REMOVED AND WASTED OFF—PROPERTY. THE PRIMARY CONTRACTOR IS RESPONSIBLE FOR PERFORMING ENVIRONMENTAL DUE DILIGENCE CONCERNING THE USE OF OR DISPOSAL OF CLEAN FILL FROM THIS PROJECT. 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 PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION 'S POLICY ENTITLED "MANAGEMENT OF FILL".	— — — — — EASEMENT LINE
26.	CLEAN FILL IS DEFINED AS: UNCONTAMINATED, NON-WATER SOLUBLE, NON-DECOMPOSABLE, INERT, SOLID MATERIAL. THE TERM INCLUDES SOIL, ROCK, STONE, DREDGED MATERIAL, USED ASPHALT, AND BRICK, BLOCK OR CONCRETE FROM CONSTRUCTION AND DEMOLITION ACTIVITIES THAT IS SEPARATE FROM OTHER WASTE AND IS RECOGNIZABLE AS SUCH. THE TERM DOES NOT INCLUDE MATERIALS PLACED IN OR ON THE WATERS OF THE COMMONWEALTH UNLESS OTHERWISE AUTHORIZED. (THE TERM "USED ASPHALT" DOES NOT INCLUDE MILLED ASPHALT OR ASPHALT THAT HAS BEEN PROCESSED FOR RE-USE.) CLEAN FILL AFFECTED BY A SPILL OR RELEASE OF A REGULATED SUBSTANCE: FILL MATERIALS AFFECTED BY A SPILL OR RELEASE OF A REGULATED SUBSTANCE STILL QUALIFIES AS CLEAN FILL PROVIDED THE TESTING REVEALS THAT THE FILL MATERIAL CONTAINS CONCENTRATIONS OF REGULATED SUBSTANCES THAT ARE BELOW THE RESIDENTIAL LIMITS AND FOLLOW THE GUIDANCE AS SET FORTH IN DEP POLICY "MANAGEMENT OF FILL".	PROPOSED FEATURES LEGEND PROPERTY LINE PROP
27.	UNLESS OTHERWISE INDICATED ON THIS DRAWING, REMOVE TREES, SHRUBS, GRASS, AND OTHER VEGETATION INTERFERING WITH INSTALLATION OF NEW CONSTRUCTION.	EDGE OF MACADAM G G GAS LINE

28. THE CONTRACTOR SHALL PROTECT IMPROVEMENTS ON ADJOINING PROPERTIES AND ON THE OWNER'S

29. ALL DISTURBED AREAS EXCEEDING THE LIMITS OF WORK TO BE RESTORED TO EXISTING CONDITIONS AT THE FULL EXPENSE OF THE CONTRACTOR UNLESS OTHERWISE DIRECTED BY THE OWNER.

PENNSYLVANIA DEPARTMENT OF TRANSPORTATION PUBLICATION 408, LATEST EDITION. HEREINAFTER

31. THE CONTRACTOR SHALL PLACE SEEDING AND SOIL SUPPLEMENTS IN ALL DISTURBED AREAS, AND IN ACCORDANCE WITH SECTION 804 OF THE PADOT PUB. 408. REFER TO "EROSION AND SEDIMENT

CONTRACT DRAWING IN ACCORDANCE WITH SECTION 805 OF THE PADOT PUB. 408. PRECAUTIONS

SHALL BE TAKEN TO STABILIZE THE MULCH UNTIL THE VEGETATIVE COVER IS ESTABLISHED. MULCH

SEEDED AREAS IMMEDIATELY AFTER SEEDING. REFER TO "EROSION AND SEDIMENT CONTROL" NOTES

LINES. ALL UTILITIES ARE NOT NECESSARILY SHOWN. CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING ALL UTILITIES TO VERIFY LOCATIONS PRIOR TO START OF CONSTRUCTION IN ACCORDANCE WITH PA ACT 38 OF 1991. CONTRACTOR MUST ALSO CONTACT THE PA ONE CALL SYSTEM AT LEAST 3 DAYS PRIOR TO START OF CONSTRUCTION BUT NOT MORE THAN 10 DAYS. PHONE NUMBER FOR

32. THE CONTRACTOR SHALL PLACE MULCHING IN ALL AREAS WHERE SEEDING IS REQUIRED BY THE

33. AN EFFORT HAS BEEN MADE TO LOCATE AND SHOW APPROXIMATE LOCATION OF EXISTING UTILITY

34. A HIGHWAY OCCUPANCY PERMIT IS REQUIRED PURSUANT TO SECTION 420 OF THE ACT OF JUNE 1, 1945 (P.L. 1242, NO. 428) KNOWN AS THE STATE HIGHWAY LAW, BEFORE DRIVEWAY ACCESS TO A

30. ALL WORK PERFORMED SHALL BE IN ACCORDANCE WITH THESE SPECIFICATIONS AND THE

REFERRED TO AS PADOT PUB. 408, AND ALL SUPPLEMENTS THERETO.

AS ACCEPTABLE TO PARTIES HAVING JURISDICTION.

CONTROL" NOTES FOR SPECIFIC INSTRUCTIONS.

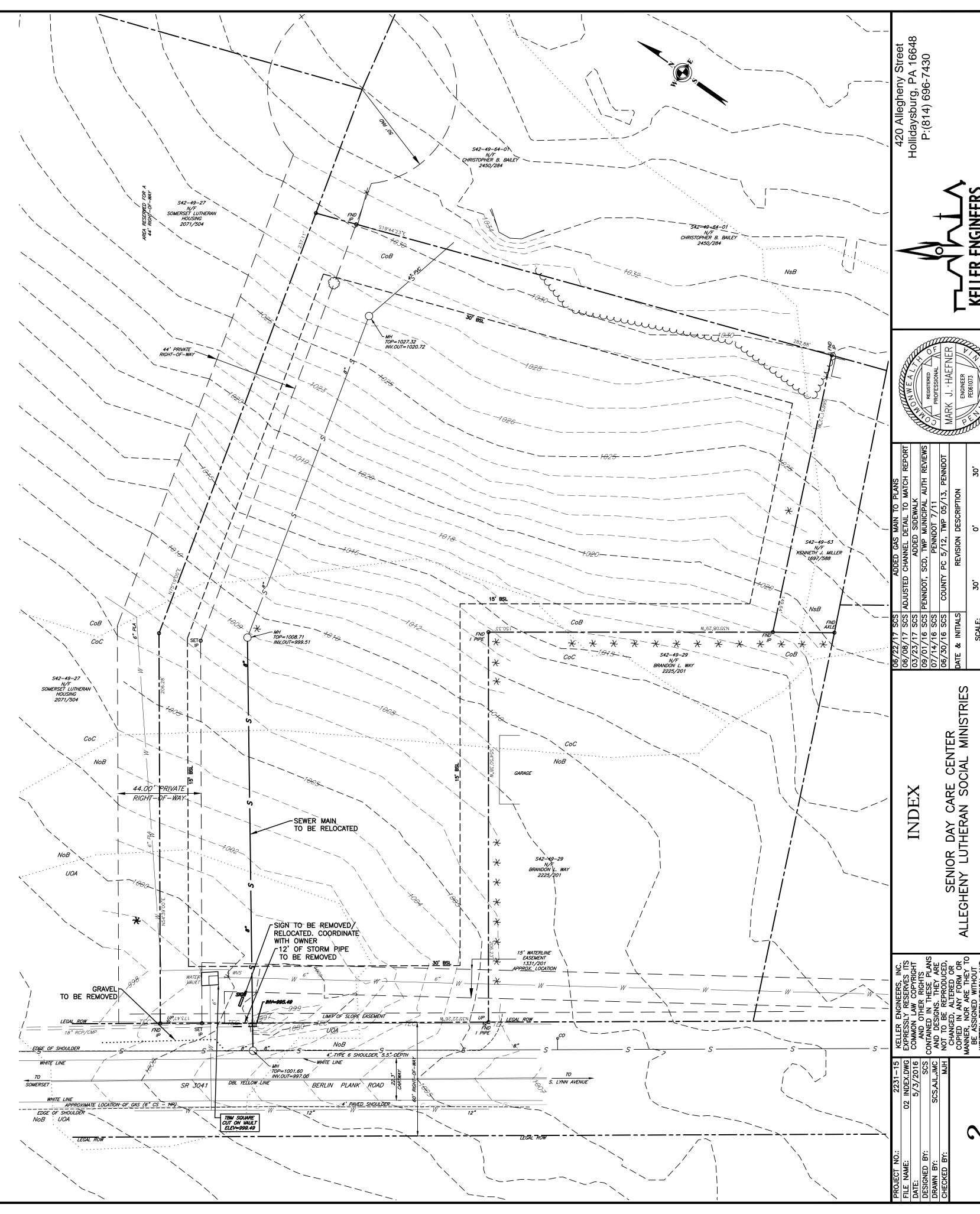
FOR SPECIFIC INSTRUCTIONS

PA ONE CALL IS 1-800-242-1776.

STATE HIGHWAY IS PERMITTED.

PROPERTY. IF DAMAGE OCCURS, DAMAGED AREAS SHALL BE RESTORED TO ORIGINAL CONDITION OR

PROPOSED FEATURES LEGEND		
	- PROPERTY LINE	
	- BUILDING SETBACK LINE	
	- EASEMENT LINE	
1400	- CONTOUR LINE	
— X X	- FENCE LINE	
	- EDGE OF GRAVEL	
	- FDGF OF MACADAM	
<u></u>	- GUIDE RAIL	
G	- GAS LINE	
	- SEWER LINE	
	STORM SEWER	
TEC	- TELEPHONE, ELECTRIC, CABLE	
w		
	■ LIMIT OF DISTURBANCE	
CFS -	■ COMPOST FILTER SOCK	
MIN	MINIMUM	
MAX		
FFE		
R	RADIUS	
LF	LINEAR FEET	
CO	CLEANOUT	
СВ	CURB BOX	
GM	GAS METER	
MB	MAIL BOX	
МН	MANHOLE	
—	TRAFFIC FLOW DIRECTION	
	(REPRESENTATION ONLY-	
	NOT TO BE PAINTED)	
(11)	PARKING SPACES PER ROW	
	TANKING STACES FER NOW	
	MACADAM	
	MACADAM	



OF THIS CONSTRUCTION SITE PLAN.

GENERAL

STORMWATER FROM THIS PROJECT WILL FLOW TO UNT OF EAST BRANCH COXES CREEK THAT HAS A DESIGNATED AND/OR EXISTING USE, ACCORDING TO PA DEP, OF TSF - TROUT STOCKED FISHERY.

TOTAL SITE ACREAGE = 2.1 ACRES / TOTAL DISTURBANCE = 0.9 ACRES THE EROSION AND SEDIMENT CONTROL PLAN NARRATIVE DATED FEBRUARY 2016 IS TO BE CONSIDERED A PART

- 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.
- CONSTRUCTION SHALL NOT COMMENCE UNTIL THE SOMERSET COUNTY CONSERVATION DISTRICT HAS APPROVED
- THE FROSION AND SEDIMENT CONTROL PLAN 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.
- 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. ANY INCREASE IN THE LIMIT OF DISTURBANCE WILL REQUIRE THE SUBMISSION OF AN NPDES PERMIT (PAG-02) APPLICATION. ALL EARTH DISTURBANCE ACTIVITIES MUST BE SUSPENDED AND ALL DISTURBED AREAS STABILIZED UNTIL THE PERMIT APPLICATION HAS BEEN APPROVED.
- ALL PUMPING OF WATER FROM ANY WORK AREA SHALL BE DONE ACCORDING TO THE PROCEDURE DESCRIBED IN THIS PLAN, OVER UNDISTURBED VEGETATED AREAS.
- 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.

DUE DILIGENCE

- THE PRIMARY CONTRACTOR IS RESPONSIBLE FOR PERFORMING ENVIRONMENTAL DUE DILIGENCE CONCERNING THE USE OF OR DISPOSAL OF CLEAN FILL FROM THIS PROJECT. 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 PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION 'S POLICY ENTITLED "MANAGEMENT OF FILL".
- CLEAN FILL IS DEFINED AS: UNCONTAMINATED, NON-WATER SOLUBLE, NON-DECOMPOSABLE, INERT, SOLID MATERIAL. THE TERM INCLUDES SOIL, ROCK, STONE, DREDGED MATERIAL, USED ASPHALT, AND BRICK, BLOCK OR CONCRETE FROM CONSTRUCTION AND DEMOLITION ACTIVITIES THAT IS SEPARATE FROM OTHER WASTE AND IS RECOGNIZABLE AS SUCH. THE TERM DOES NOT INCLUDE MATERIALS PLACED IN OR ON THE WATERS OF THE COMMONWEALTH UNLESS OTHERWISE AUTHORIZED. (THE TERM "USED ASPHALT" DOES NOT INCLUDE MILLED ASPHALT OR ASPHALT THAT HAS BEEN PROCESSED FOR RE-USE.) CLEAN FILL AFFECTED BY A SPILL OR RELEASE OF A REGULATED SUBSTANCE: FILL MATERIALS AFFECTED BY A SPILL OR RELEASE OF A REGULATED SUBSTANCE STILL QUALIFIES AS CLEAN FILL PROVIDED THE TESTING REVEALS THAT THE FILL MATERIAL CONTAINS CONCENTRATIONS OF REGULATED SUBSTANCES THAT ARE BELOW THE RESIDENTIAL LIMITS AND FOLLOW THE GUIDANCE AS SET FORTH IN DEP POLICY "MANAGEMENT OF FILL".
- 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. 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.

EARTHWORK

- TOPSOIL REQUIRED FOR THE ESTABLISHMENT OF VEGETATION SHALL BE STOCKPILED AT THE LOCATION(S) SHOWN ON THE PLAN MAPS(S) IN THE AMOUNT NECESSARY TO COMPLETE THE FINISH GRADING OF ALL EXPOSED AREAS THAT ARE TO BE STABILIZED BY VEGETATION. EACH STOCKPILE SHALL BE PROTECTED IN THE MANNER SHOWN ON THE PLAN DRAWINGS. STOCKPILE HEIGHTS SHALL NOT EXCEED 35 FEET. STOCKPILE SLOPES SHALL BE 2H:1V OR FLATTER.
- AREAS TO BE FILLED ARE TO BE CLEARED, GRUBBED, AND STRIPPED OF TOPSOIL TO REMOVE TREES, VEGETATION, ROOTS AND OTHER OBJECTIONABLE MATERIAL.
- 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 OR IF CONDUCTED, AS RECOMMENDED IN GEOTECHNICAL INVESTIGATION OF PROJECT SITE. ALL EARTHEN FILLS SHALL BE PLACED IN COMPACTED LAYERS NOT TO EXCEED 9 INCHES IN THICKNESS OR, IF
- CONDUCTED, IN ACCORDANCE WITH GEOTECHNICAL INVESTIGATION OF PROJECT SITE. FILL MATERIALS SHALL BE FREE OF FROZEN PARTICLES, BRUSH, ROOTS, SOD, OR OTHER FOREIGN OR
- OBJECTIONABLE MATERIALS THAT WOULD INTERFERE WITH OR PREVENT CONSTRUCTION OF SATISFACTORY FILLS.
- FROZEN MATERIALS OR SOFT, MUCKY, OR HIGHLY COMPRESSIBLE MATERIALS SHALL NOT BE INCORPORATED INTO
- FILL SHALL NOT BE PLACED ON SATURATED OR FROZEN SURFACES.
- SEEPS OR SPRINGS ENCOUNTERED DURING CONSTRUCTION SHALL BE HANDLED IN ACCORDANCE WITH THE STANDARD AND SPECIFICATION FOR SUBSURFACE DRAIN OR OTHER APPROVED METHOD.
- ALL OFF-SITE WASTE AND BORROW AREAS MUST HAVE AN E&S PLAN APPROVED BY THE LOCAL CONSERVATION

DISTRICT OR THE DEPARTMENT FULLY IMPLEMENTED PRIOR TO BEING ACTIVATED.

). SHOULD UNANTICIPATED GEOLOGIC OR SOIL CONDITIONS BE ENCOUNTERED DURING EARTHMOVING THAT PRESENT A CONCERN ABOUT THE POTENTIAL FOR THE PRODUCTION OF POLLUTION, ALL EARTHMOVING ACTIVITIES SHALL CEASE UNTIL A QUALIFIED GEO-TECHNICAL PROFESSIONAL EVALUATES THE SITUATION.

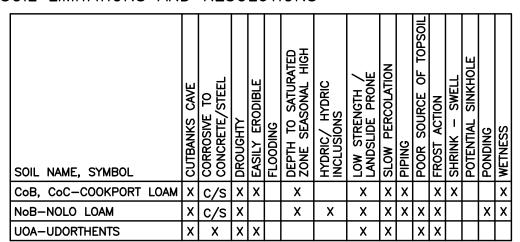
BMP CONSTRUCTION AND MAINTENANCE

- THE PRIME SITE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTENANCE OF BOTH TEMPORARY AND PERMANENT BMP'S FOR THE DURATION OF THE CONSTRUCTION EFFORT. THE PRIME SITE CONTRACTOR SHALL ALSO BE RESPONSIBLE FOR MAINTENANCE OF ALL BMP'S UNTIL STABILIZATION HAS OCCURRED.
- UPON STABILIZATION, THE PRIME SITE CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVAL OF ALL TEMPORARY BMP'S. BEFORE ANY TEMPORARY EROSION CONTROL STRUCTURES ARE REMOVED, A VEGETATIVE COVERAGE WITH A DENSITY OF 70% ACROSS THE DISTURBED AREAS MUST BE ACHIEVED.. AFTER PROJECT COMPLETION, THE OWNER WILL BE RESPONSIBLE FOR LONG-TERM MAINTENANCE OF ANY PERMANENT BMP'S.
- 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, REGRADING, 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.
- A WRITTEN 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. IT IS RECOMMENDED THAT DEP'S VISUAL INSPECTION REPORT FORM (3150-FM-BWEW0083) BE UTILIZED AS THE LOG TO TRACK REQUIRED CORRECTION AND MAINTENANCE. BMP MAINTENANCE WILL BE PERFORMED IN ACCORDANCE WITH THE INDIVIDUAL DEVICE SCHEDULES AS SHOWN IN
- THE STANDARD CONSTRUCTION DETAILS. THE PRIME SITE CONTRACTOR SHALL INSPECT BOTH TEMPORARY AND PERMANENT BMP'S ON THIS SCHEDULE UNTIL STABILIZATION IS ACHIEVED. AT THIS POINT, THE OWNER SHALL COMMENCE WEEKLY INSPECTIONS OF THE
- PERMANENT FACILITIES. SEDIMENT TRACKED ONTO ANY PUBLIC ROADWAY OR SIDEWALK SHALL BE RETURNED TO THE CONSTRUCTION SITE BY THE END OF EACH WORK DAY AND DISPOSED IN THE MANNER DESCRIBED IN THIS PLAN. IN NO CASE SHALL THE SEDIMENT BE WASHED, SHOVELED, OR SWEPT INTO ANY ROADSIDE DITCH, STORM SEWER, OR SURFACE
- ALL SEDIMENT REMOVED FROM BMPs, IF SUITABLE, WILL BE PLACED ON AREAS TO BE VEGETATIVELY STABILIZED OR REMOVED FROM THE WORK AREA TO AN OFF SITE DISPOSAL AREA IN ACCORDANCE WITH AN APPROVED E&SC
- 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.). ALL 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. . UNDERGROUND UTILITIES CUTTING THROUGH ANY ACTIVE CHANNEL 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. 2. 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.
- ALL 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

RECYCLING & DISPOSAL OF WASTE MATERIALS

- 1. THE PRIMARY SITE CONTRACTOR IS RESPONSIBLE FOR THE PROPER DISPOSAL OF WASTE FROM THIS PROJECT DURING CONSTRUCTION. CONSTRUCTION WASTES ARE THOSE THAT CAN ADVERSELY IMPACT WATER QUALITY AND INCLUDE, BUT ARE NOT LIMITED TO, EXCESS SOIL MATERIALS, BUILDING MATERIALS, CONCRETE WASH-WATER, AND SANITARY WASTES. THE CONTRACTOR WILL INSPECT THE PROJECT AREA WEEKLY AND PROPERLY DISPOSE OF ALL CONSTRUCTION WASTE. LITTERING BY CONSTRUCTION CREWS IS DISCOURAGED; HOUSEKEEPING OF THE SITE AND THE SURROUNDING AREA IS ENCOURAGED. WHENEVER POSSIBLE, REUSABLE WASTES WILL BE SEPARATED FROM OTHER WASTE AND HANDLED FOR RECYCLING.
- 2. 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.
- 3. CONCRETE WASHOUT A SUITABLE WASHOUT FACILITY MUST BE PROVIDED FOR THE CLEANING OF CONCRETE FROM CHUTES, MIXERS, AND HOPPERS OF THE DELIVERY VEHICLES. UNDER NO CIRCUMSTANCES MAY WASH WATER FROM THESE VEHICLES BE ALLOWED TO ENTER ANY SURFACE WATERS. PROPER SIGNAGE MUST BE PROVIDED SO DRIVERS ARE AWARE OF THE PRESENCE OF WASHOUT FACILITIES. A COMPOST FILTER SOCK WASHOUT AS SHOWN ON THE TYPICAL DETAIL DRAWING OR SUITABLE ALTERNATIVE APPROVED BY THE CONSERVATION DISTRICT OR DEPARTMENT MUST BE PROVIDED ON SITE. DO NOT PLACE WASHOUT FACILITIES WITHIN 50 FEET OF STORM DRAINS, OPEN DITCHES OR SURFACE WATERS, INCLUDING WETLANDS.

SOIL LIMITATIONS AND RESOLUTIONS



POOR SOURCE OF TOPSOIL, UNKNOWN SOIL CONDITIONS/DROUGHTY - APPLY ADEQUATE RATES OF LIME AND FERTILIZER FOR USE AS SOIL AMENDMENT. SOIL TESTING IS STRONGLY RECOMMENDED. IRRIGATION MAYBE NEEDED WHEN THIS SOIL IS USED FOR LANDSCAPED AREAS OR PCSM BMP'S

CORROSIVITY, LOW STRENGTH, LANDSLIDE POTENTIAL, WETNESS/DEPTH TO HIGH WATER TABLE, PIPING, FROST ACTION, SHRINK SWELL - CONDUCT GEO-TECHNICAL INVESTIGATION IF THESE SOILS WILL BE IMPACTED. SITE & STRUCTURAL BUILDING DESIGN WILL BE BASED ON RESULTS OF GEO-TECHNICAL INVESTIGATION.

SLOW PERCOLATION/POORLY DRAINED, WETNESS/DEPTH TO HIGH WATER TABLE - CONDUCT INFILTRATION TESTING IF THESE SOILS ARE IMPACTED BY PCSM BMP'S

EROSION HAZARD - MINIMIZE DISTURBED AREA; IMPLEMENT STABILIZATION BMP'S IMMEDIATELY. TEMPORARY STABILIZATION MUST BE IMPLEMENTED IMMEDIATELY IN AREAS WHERE ACTIVITY HAS CEASED FOR FOUR (4) OR MORE

STABILIZATION

- 1. STOCKPILED TOPSOIL SHALL BE UTILIZED ON ALL SURFACE AREAS TO RECEIVE PERMANENT STABILIZATION AND SUPPLEMENTED IF NEEDED.
- 2. AREAS WHICH ARE TO BE TOPSOILED SHALL BE SCARIFIED TO A MINIMUM DEPTH OF 3 TO 5 INCHES -- 6 TO 12 INCHES ON COMPACTED SOILS -- PRIOR TO PLACEMENT OF TOPSOIL. AREAS TO BE VEGETATED SHALL HAVE A MINIMUM 4 INCHES OF TOPSOIL IN PLACE PRIOR TO SEEDING AND MULCHING. FILL OUTSLOPES SHALL HAVE A MINIMUM OF 2 INCHES OF TOPSOIL.
- 3. CUT OR FILL SLOPES WILL BE SEEDED AND MULCHED IN REGULAR VERTICAL INCREMENTS (15' MAX.) AS THE SLOPE IS BEING CONSTRUCTED.
- 4. 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.
- 5. WITHIN FOUR(4) DAYS 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.
- 6. ALL FINAL SLOPES 3:1 OR STEEPER, WITHIN 50 FEET OF A SURFACE WATER, AND/OR ON ANY OTHER DISTURBED AREA SPECIFIED ON THE PLAN DRAWINGS WILL HAVE AN EROSION CONTROL BLANKET INSTALLED IN CONJUNCTION WITH THE PERMANENT VEGETATIVE BMP. NORTH AMERICAN GREEN S75 EROSION CONTROL BLANKET OR EQUIVALENT SHALL BE USED FOR THIS PURPOSE.
- 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.
- 8. TEMPORARY STABILIZATION WILL BE UTILIZED AS NEEDED DURING PLANNED OR UNPLANNED PROJECT SUSPENSION OR IF THE DISTURBED AREA ACHIEVES FINAL GRADE DURING AN UNFAVORABLE GROWING SEASON. DURING THE WINTER, TEMPORARY STABILIZATION CONSISTS OF MULCHING AT THE RATE OF 3 TONS/ACRE. ALL OTHER TIMES UTILIZE TEMPORARY SEED AND MULCH IN ACCORDANCE WITH THE DETAIL SHOWN IN THIS PLAN.

VEGETATIVE STABILIZATION

- TEMPORARY STABILIZATION PADOT FORMULA E SEED MIX/SPECIES RATE OF APPLICATION LBS/AC
- ANNUAL RYEGRASS MULCH CLEAN OAT OR WHEAT STRAW AT THE RATE OF 3 TONS/ACRE (3 BALES PER 1000 SQUARE FEET) A APPLIED WITH NON-ASPHALTIC EMULSION IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATION SOIL AMENDMENTS - STANDARD APPLICATION RATE
- FERTILIZER 10-20-20 APPLIED AT RATE OF 500LB/AC* LIME 1 TON/ACRE*

*SOIL TESTING SUGGESTED FOR PROPER RATE OF APPLICATION **PLS = PERCENT LIVE SEED

NURSE CROP: (PER PSU "EROSION CONTROL & CONSERVATION PLANTINGS ON NON-CROPLAND")

ONE OF THE FOLLOWING NURSE CROPS MUST BE INCLUDED WITH ANY PERMANENT SEED MIXTURE: SEED MIX/SPECIES RATE OF APP. LBS/AC(W/90% + GERM) RATE OF APP. LBS/AC(W/< 90% GERM)

SPRING OATS WINTER WHEAT 690 720 WINTER RYE

PERMANENT STABILIZATION - PADOT FORMULA B SEED MIX/SPECIES RATE OF APPLICATION LBS/AC PERENNIAL RYEGRASS 88.2%

CREEPING RED or CHEWING FESCUE KENTUCKY BLUEGRASS MIX. 78.4%

MULCH CLEAN OAT OR WHEAT STRAW AT THE RATE OF 3 TONS/ACRE (3 BALES PER 1000 SQUARE FEET) APPLIED WITH NON-ASPHALTIC EMULSION IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATION SOIL AMENDMENTS - STANDARD APPLICATION RATE FERTILIZER 10-20-20 APPLIED AT RATE OF 500LB/AC*

LIME 1 TON/ACRE* *SOIL TESTING SUGGESTED FOR PROPER RATE OF APPLICATION

**PLS = PERCENT LIVE SEED

BMP SEQUENCE OF INSTALLATION AND REMOVAL

- 1. THE CONTRACTOR SHALL INVITE A REPRESENTATIVE FROM THE SOMERSET COUNTY CONSERVATION DISTRICT TO ATTEND THE PRECONSTRUCTION MEETING AND PROVIDE AT LEAST 7 DAYS NOTICE OF THE PRECONSTRUCTION MEETING TO ALL INVITED ATTENDEES. PERMITTEES. CO-PERMITTEES. OPERATORS. AND LICENSED PROFESSIONALS OR DESIGNEES RESPONSIBLE FOR THE EARTH DISTURBANCE ACTIVITY, INCLUDING IMPLEMENTATION OF E&S AND PCSM PLANS AND CRITICAL STAGES OF IMPLEMENTATION OF THE APPROVED PCSM PLAN, SHALL ATTEND A
- PRECONSTRUCTION MEETING. 2. UPON INSTALLATION OR STABILIZATION OF ALL PERIMETER SEDIMENT CONTROL BMPS AND AT LEAST 3 DAYS PRIOR TO PROCEEDING WITH THE BULK EARTH DISTURBANCE ACTIVITIES, THE PERMITTEE OR CO-PERMITTEE SHALL
- PROVIDE NOTIFICATION TO THE DEPARTMENT OR AUTHORIZED CONSERVATION DISTRICT. 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 BY THE SOMERSET COUNTY CONSERVATION DISTRICT OR BY THE DEPARTMENT PRIOR TO IMPLEMENTATION. EACH STEP OF THE SEQUENCE SHALL BE COMPLETED BEFORE PROCEEDING TO THE NEXT STEP, EXCEPT WHERE NOTED.
- . CLEARING, GRUBBING, AND TOPSOIL STRIPPING SHALL BE LIMITED TO THOSE AREAS DESCRIBED IN EACH STAGE OF THE FOLLOWING CONSTRUCTION SEQUENCE, GENERAL SITE CLEARING, GRUBBING, AND TOPSOIL STRIPPING MAY NOT COMMENCE IN ANY STAGE OR PHASE OF THE PROJECT UNTIL THE E&SC BMP'S SPECIFIED BY THE SEQUENCE FOR THAT STAGE OR PHASE HAVE BEEN INSTALLED AND ARE FUNCTIONING AS DESCRIBED IN THIS E&SC PLAN.

SITE SPECIFIC SEQUENCE

- 1. FIELD-MARK LIMITS OF DISTURBANCE AND ENVIRONMENTALLY SENSITIVE AREAS.
- 2. INSTALL ROCK CONSTRUCTION ENTRANCE(S) SURFACE WATER DIVERSION
 - a) CONSTRUCT CHANNEL 1 (CLEAN WATER DIVERSION CHANNEL).
- b) STABILIZE CHANNEL 1. 5. INSTALL COMPOST FILTER SOCK AND DOWNSTREAM ENDS OF DISTURBED AREA BEFORE ANY EARTHWORK BEGINS. INSTALL INLET FILTER BAGS IN EXISTING INLETS. INSTALL FILTER BAGS IN PROPOSED INLETS AS CONSTRUCTION
- 6. E&SC BMP'S 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.

STAGE 2 Site Earthwork 1. CLEARING, GRUBBING, AND TOPSOIL STRIPPING CAN NOW BEGIN.

- a) GRUBBING
- b) EXCAVATIONS WITH INCREMENTAL STABILIZATION c) FILLS WITH INCREMENTAL STABILIZATION
- d) CONSTRUCTION OF BUILDINGS, ROADWAYS AND OTHER STRUCTURES e) SITE UTILITY CONSTRUCTION
- 2. PERMANENT STABILIZATION
 - a) REPLACEMENT OF TOPSOIL (4 6 INCHES) b) PERMANENT SEEDING
 - (1) SOIL AMENDMENTS

OVERCUT CHANNEL 2 IN. TO-

ALLOW BULKING DURING

SEED BED PREPARATION

PREPARE SOIL AND APPLY SEED BEFORE

INSTALLING BLANKETS, MATS, OR OTHER

TEMPORARY CHANNEL LINER SYSTEM.

LONGITUDINAL ANCHOR TRENCHES.

WITHIN 48 HOURS OF DISCOVERY.

INTERMITTENT CHECK SLOT

- (2) SEED APPLICATION (3) MULCH AND/OR BLANKETING
- c) CRUSHED AGGREGATE SURFACES WILL BE APPLIED AS SOON AS ROAD OR PARKING LOT SURFACES HAVE BEEN GRADED.
- d) COMPLETE PAVEMENT. 3. 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 TO SCHEDULE AN INSPECTION PRIOR TO CONVERTING E&SC BMP'S TO PCSM BMP'S OR TO SCHEDULE A FINAL INSPECTION IF THE

STAGE 3: REMOVAL/CONVERSION OF TEMPORARY SEDIMENT POLLUTION CONTROLS

- 1. TEMPORARY E&SC BMP'S (LIST WHICH) MUST BE REMOVED WHEN THE AREAS DRAINING TO THESE BMP'S HAVE ACHIEVED THE REQUIRED LEVEL OF STABILIZATION — DEFINED AS THE ESTABLISHMENT OF A UNIFORM 70% VEGETATIVE COVER OF EROSION RESISTANT PERENNIAL SPECIES OR COVERED WITH AN ACCEPTABLE PERMANENT BMP; SUCH AS, GRAVEL OR PAVEMENT FOR DRIVEWAYS OR SIDEWALKS. STOCKPILED TOPSOIL SHALL BE UTILIZED ON ALL SURFACE AREAS TO RECEIVE PERMANENT STABILIZATION AND SUPPLEMENTED AS NEEDED. PERMANENT VEGETATIVE STABILIZATION SHALL BE DEFINED AS AN ESTABLISHED UNIFORM 70% PERENNIAL VEGETATIVE COVER.
- 2. AREAS DISTURBED DURING THE REMOVAL OF CONTROLS MUST BE STABILIZED IMMEDIATELY

TEMPORARY SEEDING WILL BE USED AS NEEDED. TEMPORARY SEED AND MULCH (IN ACCORDANCE WITH DETAIL) WILL BE APPLIED IN ALL AREAS WHERE ACTIVITIES CEASE FOR FOUR (4) DAYS OR IF ANY DISTURBED AREA ACHIEVES FINAL GRADE DURING AN UNFAVORABLE SEEDING SEASON.

EXCAVATE CHANNEL TO

DESIGN GRADE AND

CROSS SECTION

DEPTH

(LOOKING DOWNSTREAM)

* SEE MANUFACTURER'S LINING INSTALLATION DETAIL FOR STAPLE PATTERNS, VEGETATIVE STABILIZATION

DEPTH

(FT)

3 ENTIRE LENGTH 2.0 0.75 6.5 3 3 NAG C125, BLUE GRASS/FESCUE

WIDTH | Z1 | Z2

(FT)

ENTIRE LENGTH 1.5 1.00 7.5 3 3 NAG C125, BLUE GRASS/FESCUE

ENTIRE LENGTH 3.0 1.50 12 3 3 NAG C125, BLUE GRASS/FESCUE

CHANNEL CROSS—SECTION

WIDTH

ANCHOR TRENCHES SHALL BE INSTALLED AT BEGINNING AND END OF CHANNEL IN THE SAME MANNER AS

CHANNEL DIMENSIONS SHALL BE CONSTANTLY MAINTAINED. CHANNEL SHALL BE CLEANED WHENEVER TOTAL

SEDIMENT DEPOSITS SHALL BE REMOVED WITHIN 24 HOURS OF DISCOVERY OR AS SOON AS SOIL CONDITIONS

PERMIT ACCESS TO CHANNEL WITHOUT FURTHER DAMAGE. DAMAGED LINING SHALL BE REPAIRED OR REPLACED

NO MORE THAN ONE THIRD OF THE SHOOT (GRASS LEAF) SHALL BE REMOVED IN ANY MOWING. GRASS HEIGHT SHALL BE MAINTAINED BETWEEN 2 AND 3 INCHES UNLESS OTHERWISE SPECIFIED. EXCESS VEGETATION SHALL

STANDARD CONSTRUCTION DETAIL #6-1 VEGETATED CHANNEL

BE REMOVED FROM PERMANENT CHANNELS TO ENSURE SUFFICIENT CHANNEL CAPACITY.

FOR SOIL AMENDMENTS, SEED MIXTURES AND MULCHING INFORMATION

STATIONS

CHANNEL DEPTH IS REDUCED BY 25% AT ANY LOCATION.

-SOIL BACKFILL

LONGITUDINAL ANCHOR TRENCH

MIN. SHINGLE LAP=6 IN.

ANCHOR TRENCH

-SHINGLE-LAP SPLICED ENDS OR BEGIN NEW

ROLL IN AN INTERMITTENT CHECK SLOT

ANCHOR TRENCH

COMPOST FILTER SOCK--2 IN. x 2 IN. WOODEN STAKES BLOWN/PLACED FILTER MEDIA— UNDISTURBED AREA DISTURBED AREA $\triangle M \triangle A \triangle M \triangle A$ DISTURBED AREA CONTOURS 2 IN. x 2 IN. UNDISTURBED AREA FILTER SOCK-WOODEN STAKES PLACED 10 FT ON CENTER PLAN VIEW

SOCK FABRIC SHALL MEET STANDARDS OF TABLE 4.1 OF THE PA DEP EROSION CONTROL MANUAL. COMPOST SHALL MEET THE STANDARDS OF TABLE 4.2 OF THE PA DEP EROSION

COMPOST FILTER SOCK SHALL BE PLACED AT EXISTING LEVEL GRADE. BOTH ENDS OF THE BARRIER SHALL BE EXTENDED AT LEAST 8 FEET UP SLOPE AT 45 DEGREES TO THE MAIN BARRIER ALIGNMENT. MAXIMUM SLOPE LENGTH ABOVE ANY BARRIER SHALL NOT EXCEED THAT SPECIFIED FOR THE SIZE OF THE SOCK AND THE SLOPE OF ITS TRIBUTARY AREA.

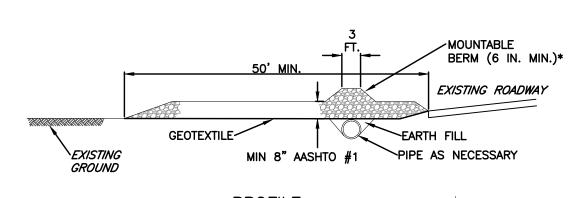
TRAFFIC SHALL NOT BE PERMITTED TO CROSS COMPOST FILTER SOCKS.

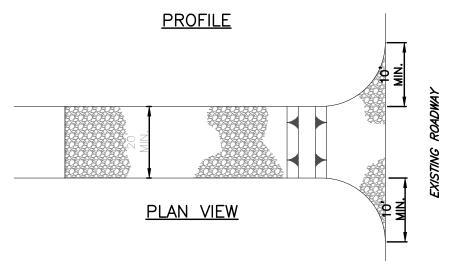
ACCUMULATED SEDIMENT SHALL BE REMOVED WHEN IT REACHES 1/2 THE ABOVE GROUND HEIGHT OF THE BARRIER AND DISPOSED IN THE MANNER DESCRIBÉD ELSEWHERE IN THE PLAN. COMPOST FILTER SOCKS SHALL BE INSPECTED WEEKLY AND AFTER EACH RUNOFF EVENT. DAMAGED SOCKS SHALL BE REPAIRED ACCORDING TO MANUFACTURER'S SPECIFICATIONS OR REPLACED WITHIN 24 HOURS OF INSPECTION.

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

UPON STABILIZATION OF THE AREA TRIBUTARY TO THE SOCK, STAKES SHALL BE REMOVED. THE SOCK MAY BE LEFT IN PLACE AND VEGETATED OR REMOVED. IN THE LATTER CASE, THE MESH SHALL BE CUT OPEN AND THE MULCH SPREAD AS A SOIL SUPPLEMENT.

> STANDARD CONSTRUCTION DETAIL #4-1 COMPOST FILTER SOCK NOT TO SCALE





* MOUNTABLE BERM USED TO PROVIDE PROPER COVER FOR PIPE

REMOVE TOPSOIL PRIOR TO INSTALLATION OF ROCK CONSTRUCTION ENTRANCE. EXTEND ROCK OVER FULL WIDTH OF ENTRANCE.

RUNOFF SHALL BE DIVERTED FROM ROADWAY TO A SUITABLE SEDIMENT REMOVAL BMP PRIOR TO ENTERING ROCK CONSTRUCTION ENTRANCE.

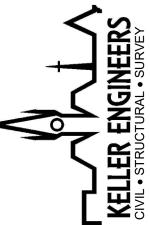
MOUNTABLE BERM SHALL BE INSTALLED WHEREVER OPTIONAL CULVERT PIPE IS USED AND PROPER PIPE COVER AS SPECIFIED BY MANUFACTURER IS NOT OTHERWISE PROVIDED. PIPE SHALL BE SIZED APPROPRIATELY FOR SIZE OF DITCH BEING CROSSED.

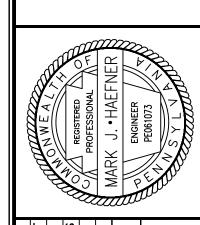
MAINTENANCE: ROCK CONSTRUCTION ENTRANCE THICKNESS SHALL BE CONSTANTLY MAINTAINED TO THE SPECIFIED DIMENSIONS BY ADDING ROCK. A STOCKPILE SHALL BE MAINTAINED ON SITE FOR THIS PURPOSE. ALL SEDIMENT DEPOSITED ON PAVED ROADWAYS SHALL BE REMOVED AND RETURNED TO THE CONSTRUCTION SITE IMMEDIATELY. IF EXCESSIVE AMOUNTS OF SEDIMENT ARE BEING DEPOSITED ON ROADWAY, EXTEND LENGTH OF ROCK CONSTRUCTION ENTRANCE BY 50 FOOT INCREMENTS UNTIL CONDITION IS ALLEVIATED OR INSTALL WASH RACK. WASHING THE ROADWAY OR SWEEPING THE DEPOSITS INTO ROADWAY DITCHES, SEWERS, CULVERTS, OR OTHER DRAINAGE COURSES IS NOT ACCEPTABLE.

<u>STANDARD CONSTRUCTION DETAIL #3-1</u> ROCK CONSTRUCTION ENTRANCE

NOT TO SCALE







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