

HUNTERSTOWN ROAD (SR-3003)

TEMPORARY STOCKPILE

KILPATRICK DRIVE

HAMPTON LANE

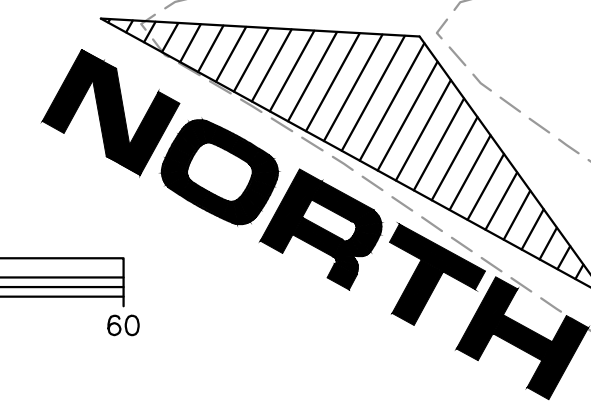
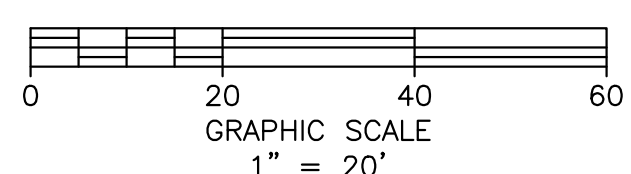
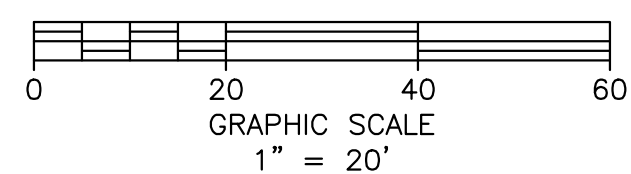
TEMPORARY STOCKPILE

WATER TREATMENT FACILITY FFE 594.50

HUNTERSTOWN ROAD (SR-3003)

LEGEND

EXISTING TOPOGRAPHY		LIMITS OF DISTURBANCE	
PROPOSED TOPOGRAPHY		COMPOST FILTER SOCK	
PROPERTY LINE		FILTER BAG INLET PROTECTION	
BUILDING SETBACK LINE		ROCK CONSTRUCTION ENTRANCE	
EDGE OF ROAD		TEMPORARY STOCKPILE AREA	
ROAD RIGHT-OF-WAY		EROSION CONTROL BLANKET	
EXISTING TREELINE			
SOIL TYPES			
TRAFFIC SIGN			
UTILITY POLE			



REVISIONS		XREFS
NO.	DATE	DESCRIPTION
1	10-06-17	PER ACDD COMMENTS
		ES00-ENT-1708
		RTW-SYTOPO
		RTW-LD-BASE
		RTW-LD-GRD

811 Know what's below. Call before you dig.

PENNSYLVANIA ACT 387 (1978) AS AMENDED BY PENNSYLVANIA ACT 143 (2006) REQUIRES ALL DEEP-DIGGING PROJECTS TO BE RECORDED AND TO HAVE A CALL BEFORE YOU DIG (CBYD) NUMBER. CALL 811 AT LEAST 48 HOURS BEFORE YOU DIG. FAILURE TO CALL 811 BEFORE YOU DIG MAY RESULT IN FINES AND/OR CRIMINAL PENALTIES.

PLAN PREPARATION	
DRAWN BY: WRD/WLM/RAS	DATE: 23 SEPT 2017
DESIGNED BY: RAS	FILE NO.: 1708
CHECKED BY: RAS	DWG NO.: ES01-DOT1708

E & SPC PLANS FOR PENNDOT ENTRANCES

GETTYSBURG COMMONS

A PLANNED RESIDENTIAL COMMUNITY for ACTIVE ADULTS

STRABAN TOWNSHIP ~ ADAMS COUNTY ~ PENNSYLVANIA

SCALE 1"=20'

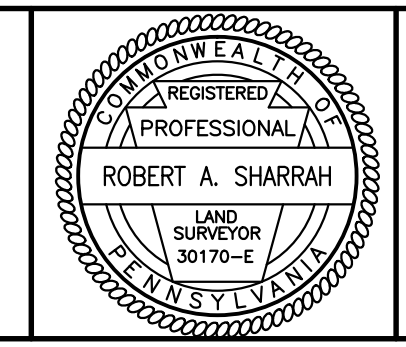
SHEET NO. 2 of 7

Sharrah Design Group, Inc.

Land Surveying & Design

20 Chambersburg Street
Gettysburg, PA 17325
Phone: (717) 334-5400
Fax: (717) 334-0922

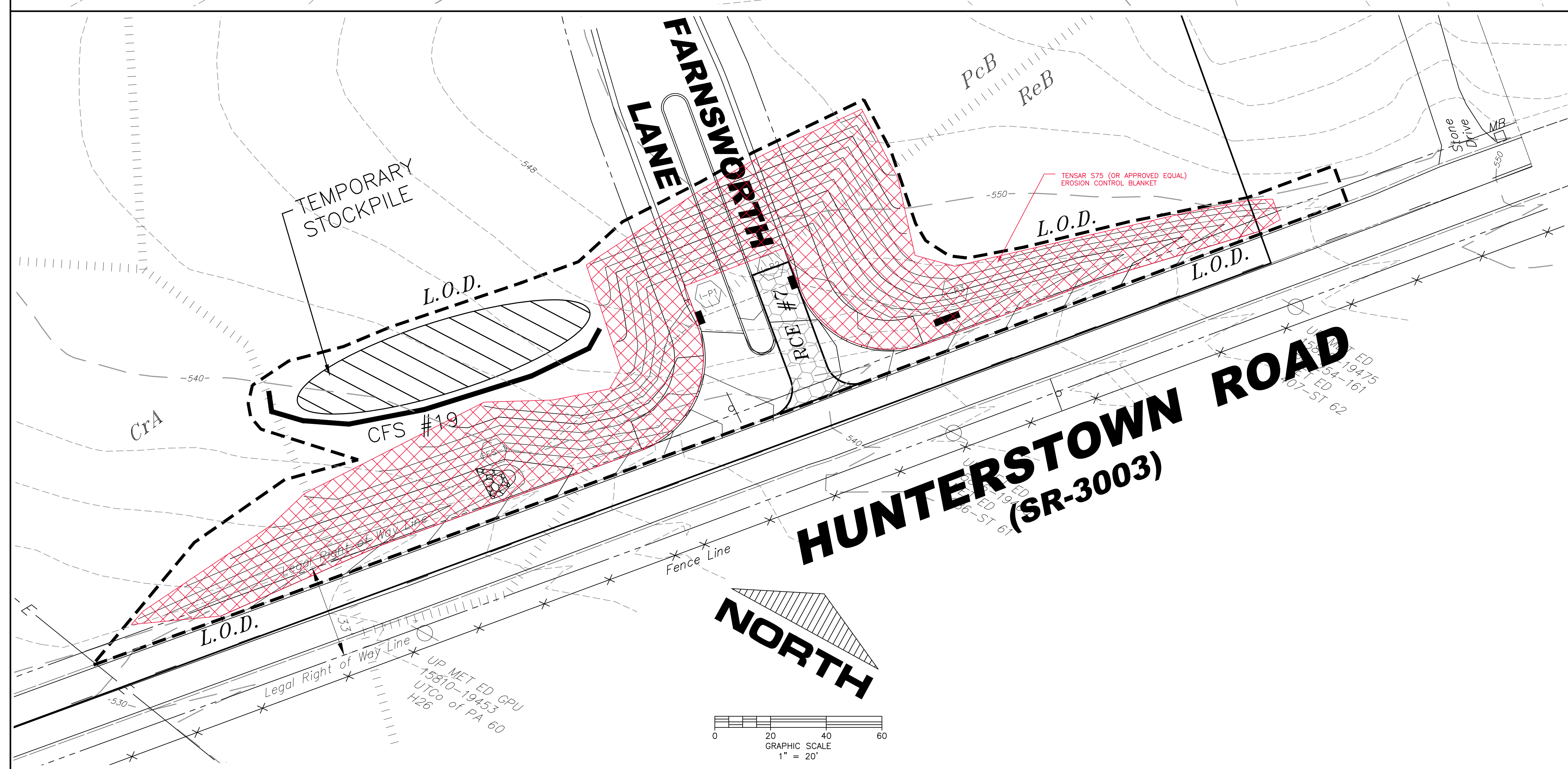
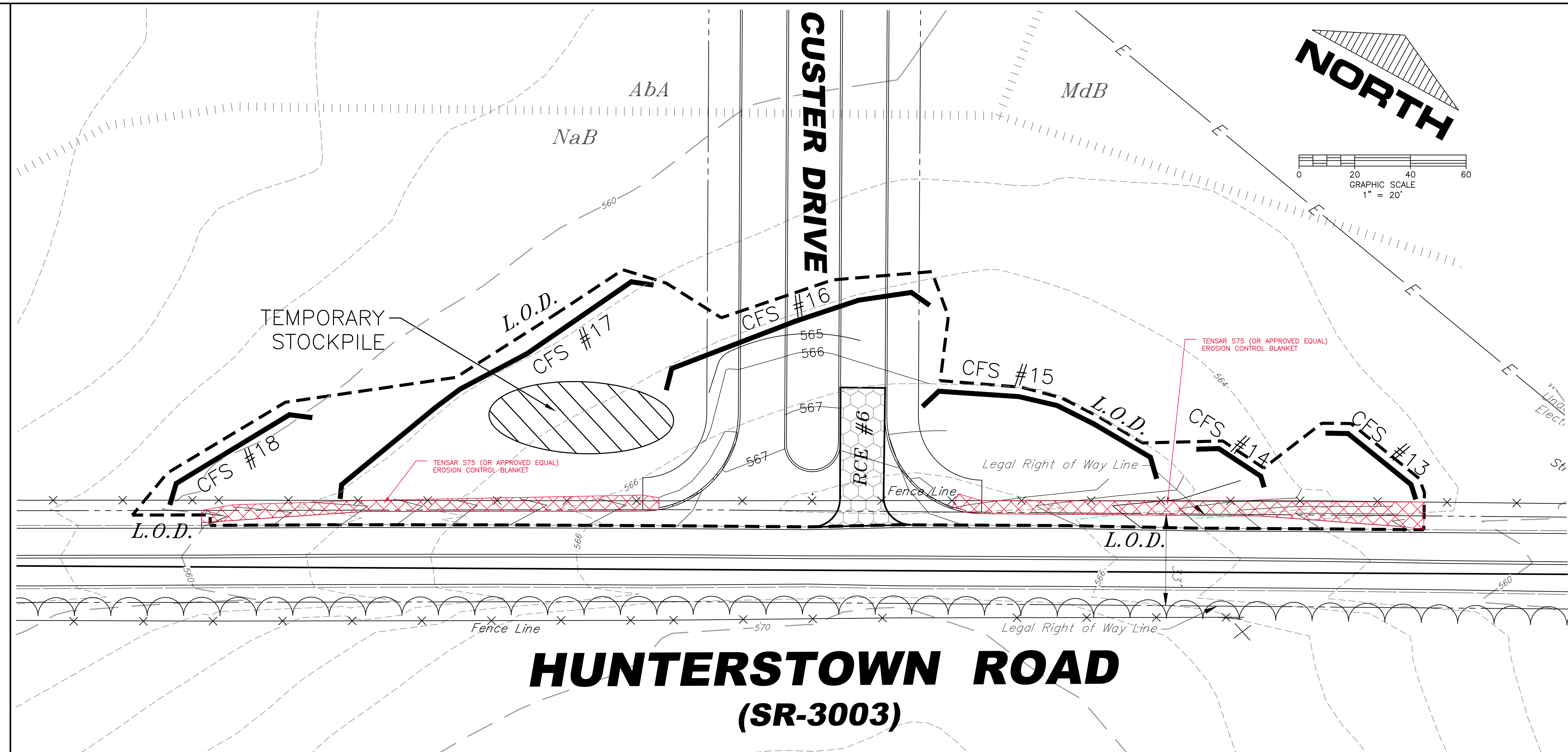
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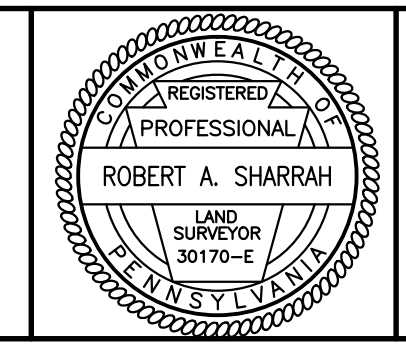
LEGEND

- EXISTING TOPOGRAPHY
- PROPOSED TOPOGRAPHY
- PROPERTY LINE
- BUILDING SETBACK LINE
- EDGE OF ROAD
- ROAD RIGHT-OF-WAY
- EXISTING TREELINE
- SOIL TYPES
- TRAFFIC SIGN
- UTILITY POLE

- LIMITS OF DISTURBANCE L.O.D.
- COMPOST FILTER SOCK CFS
- FILTER BAG INLET PROTECTION BIP
- ROCK CONSTRUCTION ENTRANCE RCE
- TEMPORARY STOCKPILE AREA
- EROSION CONTROL BLANKET



Sharrah Design Group, Inc.
 Land Surveying & Design
 20 Chambersburg Street
 Gettysburg, PA 17325
 Phone: (717) 334-5400
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NO.	DATE	DESCRIPTION
1	10-06-17	PER ACCD COMMENTS

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1	10-06-17	PER ACCD COMMENTS

811 Know what's below. Call before you dig.

UP MET ED GPU
 15810-19453
 UTC of PA 60
 H26

PLAN PREPARATION	
DRAWN BY: WRD/WLM/RAS	DATE: 23 SEPT 2017
DESIGNED BY: RAS	FILE NO.: 1708
CHECKED BY: RAS	DWG NO.: ES01-D0T1708

E & SPC PLANS FOR PENNDOT ENTRANCES

GETTYSBURG COMMONS
 A PLANNED RESIDENTIAL COMMUNITY for ACTIVE ADULTS
 STRABAN TOWNSHIP ~ ADAMS COUNTY ~ PENNSYLVANIA

SCALE
1"=20'

SHEET NO.
3 of 7

SOIL INFORMATION AND LIMITATION ALTERNATIVES

ACCORDING TO THE LATEST NRCS SOIL SURVEY OF ADAMS COUNTY, PENNSYLVANIA, ABA DESIGNATED SOIL PERMEABILITY IS MODERATE IN THE SOILM ABOVE THE FRAGIPAN, SLOW IN THE FRAGIPAN, AND MODERATELY SLOW OR SLOW IN THE SUBSTRATUM. THE SEASONAL HIGH WATER TABLE IS AT A DEPTH OF 6 TO 18 INCHES. SURFACE RUNOFF IS VERY HIGH. THE SOIL IS EXTREMELY ACID TO STRONGLY ACID IN THE UPPER PART OF THE SOILM AND STRONGLY ACID TO SLIGHTLY ACID IN THE SUBSTRATUM.

TABLE 5 INDICATES THE LAND CAPABILITY CLASSIFICATION IS 3W. CLASS 3 MEANS SEVERE LIMITATIONS THAT RESTRICT THE CHOICE OF PLANTS, OR REQUIRES SPECIAL CONSERVATION PRACTICES, OR BOTH; W MEANS THAT WATER IN OR ON THE SOIL INTERFERES WITH PLANT GROWTH OR CULTIVATION.

TABLE 15A INDICATES THE SOIL AS VERY LIMITED FOR DWELLINGS WITH BASEMENTS DUE TO DEPTH TO HARD BEDROCK AND SATURATED ZONE, AND VERY LIMITED FOR DWELLINGS WITHOUT BASEMENTS DUE TO DEPTH TO SATURATED ZONE.

TABLE 15B INDICATES THAT LOCAL ROADS ARE VERY LIMITED DUE TO FROST ACTION AND DEPTH TO SATURATED ZONE. SHALLOW EXCAVATIONS ARE VERY LIMITED DUE TO DEPTH TO SATURATED ZONE, DEPTH TO HARD BEDROCK, AND CUTBANKS CAVE. ADDITIONALLY, LAWNS AND LANDSCAPING ARE VERY LIMITED BECAUSE OF DEPTH TO CEMENTED PAN AND DEPTH TO SATURATED ZONE.

TABLE 16A INDICATES THAT THIS SOIL DESIGNATION IS VERY LIMITED FOR SEPTIC TANK ABSORPTION FIELDS BECAUSE OF RESTRICTED PERMEABILITY, DEPTH TO CEMENTED PAN, DEPTH TO SATURATION ZONE, AND DEPTH TO BEDROCK.

TABLE 18 INDICATES THAT THIS SOIL TYPE IS SOMEWHAT LIMITED FOR POND RESERVOIR AREAS BECAUSE OF DEPTH TO CEMENTED PAN, SEEPAGE, AND DEPTH TO BEDROCK. EMBANKMENT CONSTRUCTION IS VERY LIMITED BECAUSE OF DEPTH TO SATURATED ZONE, PIPING, AND THIN LAYER.

ORA DESIGNATED SOIL PERMEABILITY IS MODERATE OR MODERATELY SLOW ABOVE THE FRAGIPAN AND VERY SLOW OR SLOW IN THE FRAGIPAN AND IN THE SUBSTRATUM. SURFACE RUNOFF IS LOW TO PONDED. THE FRAGIPAN IS AT A DEPTH OF 15 TO 25 INCHES. THE SEASONAL HIGH WATER TABLE IS WITHIN 6 INCHES OF THE SURFACE MAINLY IN WINTER AND EARLY SPRING. THE SOIL IS VERY STRONGLY ACID OR STRONGLY ACID IN THE UPPER PART OF THE SOILM AND VERY STRONGLY ACID TO MODERATELY ACID IN THE LOWER PART AND IN THE SUBSTRATUM. FRAGIPAN RESTRICTS ROOT PENETRATION.

TABLE 5 INDICATES THE LAND CAPABILITY CLASSIFICATION IS 4W. CLASS 4 MEANS SEVERE LIMITATIONS THAT RESTRICT THE CHOICE OF PLANTS OR THAT REQUIRE VERY CAREFUL MANAGEMENT, OR BOTH; W MEANS THAT WATER IN OR ON THE SOIL INTERFERES WITH PLANT GROWTH OR CULTIVATION.

TABLE 15A INDICATES THE SOIL TYPE AS VERY LIMITED FOR DWELLINGS WITHOUT BASEMENTS BECAUSE OF DEPTH TO SATURATION ZONE AND PONDING, AND VERY LIMITED FOR DWELLINGS WITH BASEMENTS DUE TO DEPTH TO SATURATION ZONE, PONDING, AND DEPTH TO HARD BEDROCK.

TABLE 15B INDICATES THAT LOCAL ROAD AND STREET CONSTRUCTION IS VERY LIMITED BECAUSE OF DEPTH TO SATURATION ZONE, FROST ACTION, LOW STRENGTH, AND PONDING. SHALLOW EXCAVATIONS ARE VERY LIMITED DUE TO DEPTH TO SATURATION ZONE, DEPTH TO HARD BEDROCK, CUTBANKS CAVE, AND PONDING. ADDITIONALLY, LAWNS AND LANDSCAPING ARE VERY LIMITED BECAUSE OF DEPTH TO SATURATION ZONE, PONDING, AND DEPTH TO CEMENTED PAN.

TABLE 16A INDICATES THAT THIS SOIL DESIGNATION IS VERY LIMITED FOR SEPTIC TANK ABSORPTION FIELDS BECAUSE OF RESTRICTED PERMEABILITY, DEPTH TO CEMENTED PAN, DEPTH TO SATURATION ZONE, PONDING, AND DEPTH TO BEDROCK.

TABLE 18 INDICATES THAT THIS SOIL TYPE IS SOMEWHAT LIMITED FOR POND RESERVOIR AREAS BECAUSE OF DEPTH TO CEMENTED PAN, SEEPAGE, AND DEPTH TO BEDROCK. EMBANKMENT CONSTRUCTION IS VERY LIMITED BECAUSE OF DEPTH TO SATURATION ZONE, PONDING, PIPING, AND THIN LAYER.

KNB SOIL PERMEABILITY IS MODERATELY RAPID. SURFACE RUNOFF IS MODIUM. THIS SOIL IS VERY STRONGLY ACID TO MODERATELY ACID. SHALLOW DEPTH TO BEDROCK RESTRICTS ROOT PENETRATION.

TABLE 5 INDICATES THE LAND CAPABILITY CLASSIFICATION IS 3E. CLASS 3 MEANS SEVERE LIMITATIONS THAT RESTRICT THE CHOICE OF PLANTS, OR REQUIRES SPECIAL CONSERVATION PRACTICES, OR BOTH; E MEANS THAT THE MAIN HAZARD IS THE MAIN HAZARD UNLESS CLOSE-GROWING PLANT COVER IS MAINTAINED. THE SITE HAS BEEN FARMED IN THE PAST AND THESE LIMITATIONS SHOULD NOT CAUSE ISSUES.

TABLE 15A INDICATES THE SOIL AS VERY LIMITED FOR DWELLINGS WITH OR WITHOUT BASEMENTS DUE TO DEPTH TO HARD BEDROCK.

TABLE 15B INDICATES THAT LOCAL ROADS ARE VERY LIMITED BECAUSE OF DEPTH TO HARD BEDROCK AND FROST ACTION. SHALLOW EXCAVATIONS ARE VERY LIMITED DUE TO DEPTH TO HARD BEDROCK, AND CUTBANKS CAVE. ADDITIONALLY, LAWNS AND LANDSCAPING ARE VERY LIMITED BECAUSE OF DEPTH TO BEDROCK, DROUGHTY, GRAVEL CONTENT, AND CONTENT OF LARGE STONES.

TABLE 16A INDICATES THAT THIS SOIL DESIGNATION IS VERY LIMITED FOR SEPTIC TANK ABSORPTION FIELDS BECAUSE OF DEPTH TO BEDROCK.

TABLE 18 INDICATES THAT THIS SOIL TYPE IS VERY LIMITED FOR POND RESERVOIR AREAS BECAUSE OF DEPTH TO BEDROCK AND SEEPAGE. EMBANKMENT CONSTRUCTION IS VERY LIMITED BECAUSE OF THIN LAYER AND SEEPAGE.

NAB DESIGNATED SOIL PERMEABILITY IS MODERATE IN THE SURFACE LAYER AND MODERATELY SLOW IN THE SUBSOIL AND SUBSTRATUM. SURFACE RUNOFF IS HIGH. THE SOIL IS VERY STRONGLY ACID OR MODERATELY ACID IN THE UPPER PART OF THE SOILM AND STRONGLY ACID TO SLIGHTLY ACID IN THE LOWER PART AND IN THE SUBSTRATUM.

TABLE 5 INDICATES THE LAND CAPABILITY CLASSIFICATION IS 2E. CLASS 2 MEANS MODERATE LIMITATIONS THAT RESTRICT THE CHOICE OF PLANTS OR THAT REQUIRE MODERATE CONSERVATION PRACTICES; E MEANS THAT EROSION IS THE MAIN HAZARD UNLESS CLOSE-GROWING PLANT COVER IS MAINTAINED.

TABLE 15A INDICATES THE SOIL TYPE AS NOT LIMITED FOR DWELLINGS WITHOUT BASEMENTS AND NOT LIMITED FOR DWELLINGS WITH BASEMENTS. SMALL COMMERCIAL BUILDINGS ARE SOMEWHAT LIMITED BECAUSE OF SLOPE; SLOPE IS NOT A LIMITING FACTOR AT THIS SITE.

TABLE 15B INDICATES THAT LOCAL ROAD AND STREET CONSTRUCTION IS SOMEWHAT LIMITED BECAUSE OF SLOPE AND FROST ACTION. SHALLOW EXCAVATIONS ARE SOMEWHAT LIMITED DUE TO BEDROCK, AND LAWNS AND LANDSCAPING ARE LIMITED BECAUSE OF GRAVEL CONTENT, AND CONTENT OF LARGE STONES. AS PREVIOUSLY STATED, SLOPE IS NOT A LIMITING FACTOR AT THIS SITE. FROST ACTION CAN BE ADDRESSED THROUGH CONSTRUCTION AND DRAINAGE SOIL REINFORCEMENT MAY BE REQUIRED.

TABLE 16A INDICATES THAT THIS SOIL DESIGNATION IS VERY LIMITED FOR SEPTIC TANK ABSORPTION FIELDS BECAUSE OF SLOPE AND DEPTH TO HARD BEDROCK.

TABLE 18 INDICATES THAT THIS SOIL TYPE IS SOMEWHAT LIMITED FOR POND RESERVOIR AREAS BECAUSE OF SEEPAGE. EMBANKMENT CONSTRUCTION IS VERY LIMITED BECAUSE OF PIPING.

POB DESIGNATED SOIL PERMEABILITY IS MODERATE OR MODERATELY RAPID. SURFACE RUNOFF IS LOW. THIS SOIL IS EXTREMELY ACID TO STRONGLY ACID IN THE UPPER PART OF THE SOILM, STRONGLY ACID OR MODERATELY ACID IN THE LOWER PART, AND STRONGLY ACID TO SLIGHTLY ACID IN THE SUBSTRATUM. DEPTH TO BEDROCK RESTRICTS ROOT PENETRATION.

TABLE 5 INDICATES THE LAND CAPABILITY CLASSIFICATION IS 2E. CLASS 2 MEANS MODERATE LIMITATIONS THAT RESTRICT THE CHOICE OF PLANTS OR THAT REQUIRE MODERATE CONSERVATION PRACTICES; E MEANS THAT EROSION IS THE MAIN HAZARD UNLESS CLOSE-GROWING PLANT COVER IS MAINTAINED.

TABLE 15A INDICATES THAT THIS SOIL IS SOMEWHAT LIMITED FOR SMALL COMMERCIAL BUILDINGS BECAUSE OF SLOPE AND DEPTH TO HARD BEDROCK.

TABLE 15B INDICATES THAT THIS SOIL DESIGNATION IS SOMEWHAT LIMITED FOR LOCAL ROAD AND STREET CONSTRUCTION BECAUSE OF FROST ACTION AND DEPTH TO HARD BEDROCK. SHALLOW EXCAVATIONS ARE VERY LIMITED BECAUSE OF DEPTH TO BEDROCK AND CUTBANKS CAVE.

TABLE 16A INDICATES THAT SEPTIC TANK ABSORPTION FIELDS ARE VERY LIMITED BECAUSE OF DEPTH TO BEDROCK.

TABLE 18 INDICATES THAT POND RESERVOIR AREAS ARE VERY LIMITED BECAUSE OF SEEPAGE AND DEPTH TO BEDROCK. EMBANKMENT CONSTRUCT IS VERY LIMITED BECAUSE OF PIPING AND THIN LAYER.

REB DESIGNATED SOIL PERMEABILITY IS MODERATE IN THE UPPER PART OF THE SOILM AND MODERATELY SLOW OR MODERATE IN THE FRAGIPAN AND IN THE FRAGIPAN. THE SEASONAL HIGH WATER TABLE IS AT A DEPTH OF 18 TO 36 INCHES. SURFACE RUNOFF IS MODIUM. THE SOIL IS EXTREMELY ACID TO SLIGHTLY ACID IN THE UPPER PART OF THE SOILM AND STRONGLY ACID TO SLIGHTLY ACID IN THE LOWER PART AND IN THE SUBSTRATUM.

TABLE 5 INDICATES THE LAND CAPABILITY CLASSIFICATION IS 2E. CLASS 2 MEANS MODERATE LIMITATIONS THAT RESTRICT THE CHOICE OF PLANTS OR THAT REQUIRE MODERATE CONSERVATION PRACTICES; E MEANS THAT EROSION IS THE MAIN HAZARD UNLESS CLOSE-GROWING PLANT COVER IS MAINTAINED.

TABLE 15A INDICATES THE SOIL AS SOMEWHAT LIMITED FOR DWELLINGS WITHOUT BASEMENTS DUE TO DEPTH TO SATURATED ZONE, AND VERY LIMITED FOR DWELLINGS WITH BASEMENTS DUE TO DEPTH TO SATURATED ZONE AND DEPTH TO HARD BEDROCK.

TABLE 15B INDICATES THAT LOCAL ROADS ARE SOMEWHAT LIMITED BECAUSE OF FROST ACTION AND DEPTH TO SATURATED ZONE. SHALLOW EXCAVATIONS ARE VERY LIMITED DUE TO DEPTH TO SATURATED ZONE, DEPTH TO HARD BEDROCK, AND CUTBANKS CAVE. ADDITIONALLY, LAWNS AND LANDSCAPING ARE SOMEWHAT LIMITED BECAUSE OF DEPTH TO CEMENTED PAN AND DEPTH TO SATURATED ZONE.

TABLE 16A INDICATES THAT THIS SOIL TYPE IS SOMEWHAT LIMITED FOR POND RESERVOIR AREAS BECAUSE OF DEPTH TO CEMENTED PAN, SEEPAGE, AND DEPTH TO BEDROCK. EMBANKMENT CONSTRUCTION IS VERY LIMITED BECAUSE OF DEPTH TO SATURATED ZONE, PIPING, AND THIN LAYER.

GENERAL EROSION AND SEDIMENTATION NOTES

- 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.
- AT LEAST 7 DAYS PRIOR TO STARTING ANY EARTH DISTURBANCE ACTIVITIES, INCLUDING CLEARING AND GRUBBING, THE OWNER AND/OR OPERATOR SHALL INMITE ALL CONTRACTORS, THE LANDOWNER, APPROPRIATE MUNICIPAL OFFICIALS, THE E&S PLAN PREPARER, THE PCSM PLAN PREPARER, THE LICENSED PROFESSIONAL RESPONSIBLE FOR OVERTSIGHT OF CRITICAL STAGES OF IMPLEMENTATION OF THE PCSM PLAN, AND A REPRESENTATIVE FROM THE LOCAL CONSERVATION DISTRICT TO AN ON-SITE PRE-CONSTRUCTION MEETING.
- 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 1-800-242-1778 FOR THE LOCATION OF EXISTING UNDERGROUND UTILITIES.
- 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 CONSERVATION DISTRICT OR BY THE DEPARTMENT PRIOR TO IMPLEMENTATION.
- AREAS TO BE FILLED ARE TO BE CLEARED, GRUBBED, AND STRIPPED OF TOPSOIL TO REMOVE TREES, VEGETATION, ROOTS AND OTHER OBSTRUCTIONABLE MATERIAL.
- 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 PLAN.
- 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.
- TOPSOIL REQUIRED FOR THE ESTABLISHMENT OF VEGETATION SHALL BE STOCKPILED AT THE LOCATIONS SHOWN ON THE PLAN MAP(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 3H:1V OR FLATTER.
- 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.
- 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.
- ALL PUMPING OF WATER FROM ANY WORK AREA SHALL BE DONE ACCORDING TO THE PROCEDURE DESCRIBED IN THIS PLAN, OVER UNDISTURBED VEGETATED AREAS.
- VEHICLES AND EQUIPMENT MAY NEVER ENTER DIRECTLY FROM THE CONSTRUCTION SITE EXCEPT AS ALLOWED DURING THE SEQUENCE OF CONSTRUCTION AND VIA A ROCK CONSTRUCTION ENTRANCE.
- 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 RAINFALL EVENT AND ON WEEKLY WORK DAY AND DISPOSED IN THE MANNER DESCRIBED. MAINTENANCE WORK, INCLUDING CLEAN OUT, REPAIR, REPLACEMENT, REGRADING, RESEEDING, REMULCHING AND REINLETING 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 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.
- SEDIMENT TRACED 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, SHOVELLED, OR SWEEP INTO ANY ROADSIDE DITCH, STORM SEWER, OR SURFACE WATER.
- ALL SEDIMENT REMOVED FROM BMPs SHALL BE DISPOSED OF IN THE MANNER DESCRIBED ON THE PLAN DRAWINGS.
- AREAS WHICH ARE TO BE TOPSOILED SHALL BE SCRIPED 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. ALL OUTSLOPES SHALL HAVE A MINIMUM OF 2 INCHES OF TOPSOIL.
- ALL FILLS SHALL BE COMPACTED AS REQUIRED TO REDUCE EROSION, SLUFFAGE, 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.
- ALL EARTHEN FILLS SHALL BE PLACED IN COMPACTED LAYERS NOT TO EXCEED 9 INCHES IN THICKNESS.
- FILL MATERIALS SHALL BE FREE OF FROZEN PARTICLES, BRUSH, ROOTS, SOD, OR OTHER FOREIGN

OR OBSTRUCTIONABLE 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 FILLS.
- 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 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 BLENKETED ACCORDING TO THE STANDARDS OF THIS PLAN.
- 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 BLANKETS 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.
- 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.
- 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.
- 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.
- 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.
- 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 A FINAL INSPECTION.
- FAILURE TO CORRECTLY INSTALL E&S BMPs, FAILURE TO PREVENT SEDIMENT-LOADED 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.
- 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, ORGANIC MATERIAL, LARGE STONES, 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 FILL WITHIN THE CHANNEL SHALL BE CONVEYED PAST THE WORK AREA IN THE MANNER DESCRIBED IN THIS PLAN UNTIL SUCH RESTORATION IS COMPLETE.
- 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.
- SEDIMENT BASINS SHALL BE PROTECTED FROM UNAUTHORIZED ACTS BY THIRD PARTIES.
- 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 CONSERVATION DISTRICT, AND THE OWNER OF THE DAMAGED PROPERTY.
- 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 CONSERVATION DISTRICT OR THE DEPARTMENT.
- EROSION CONTROL BLANKETING SHALL BE INSTALLED ON ALL SLOPES 3H:1V OR STEEPER WITHIN 50 FEET OF A SURFACE WATER AND ON ALL OTHER DISTURBED AREAS SPECIFIED ON THE PLAN MAPS AND/OR DETAIL SHEETS.
- FILL MATERIAL FOR EMBANKMENTS SHALL BE FREE OF ROOTS, OR OTHER WOODY VEGETATION, ORGANIC MATERIAL, LARGE STONES, AND OTHER OBSTRUCTIONABLE MATERIALS. THE EMBANKMENT SHALL BE COMPACTED IN MAXIMUM 8 LAYERED LIFTS AT 97% DENSITY.

MAINTENANCE PROGRAM

TEMPORARY MAINTENANCE

INSPECT AND MAINTAIN ALL TEMPORARY SEDIMENT CONTROL DEVICES (E.G. VEGETATIVE FILTER STRIP, COMPOST FILTER SOCK, ROCK CONSTRUCTION ENTRANCE, STOCKPILE, DELINEATION OF L.O.D., TEMPORARY SEEDING, ETC.) WEEKLY AND AFTER EACH RAIN EVENT. MAINTAIN MEASURES IN ACCORDANCE WITH STANDARD DETAILS. PROTECT ALL MEASURES FROM UNAUTHORIZED ACTS OF THIRD PARTIES.

- EXECUTE THE FOLLOWING PROCEDURES:
- INSPECT ALL E&S BMPs TO ENSURE PROPER FUNCTIONALITY; REPAIR OR REPLACE DEVICES AS NEEDED.
 - REMOVE SEDIMENT FROM COMPOST FILTER SOCK WHEN ACCUMULATION REACHES 1/3 OF INSTALLED HEIGHT. COMPOST FILTER SOCK THAT HAS BEEN UNDERMINED OR OVERTOPPED MUST BE IMMEDIATELY REPAIRED WITH A ROCK FILTER OUTLET REPAIR MEASURE. REMOVE ACCUMULATED SEDIMENT THAT HAS REACHED 1/3 THE ABOVE GROUND HEIGHT; REPLACE/ADD ROCK AS NEEDED.
 - PUMP WATER FROM EXCAVATIONS INTO A FILTER BAG SIZED, INSTALLED, AND MAINTAINED IN ACCORDANCE WITH THE MANUFACTURER SPECIFICATIONS.
 - TEMPORARILY STABILIZE ANY DISTURBED AREA OR DEVICE IN ACCORDANCE WITH THE TEMPORARY SEEDING NOTES.
 - IMMEDIATELY REPAIR OR REPLACE ANY E&S BMP DISTURBED BY CONSTRUCTION PROGRESS (E.G. UNDERGROUND UTILITY INSTALLATION, GRADING, ETC.).
 - REMOVED SEDIMENT WILL BE USED FOR GRADING UPSLOPE OF AN ONSITE FUNCTIONING BMP.
 - STOCKPILES SHALL NOT EXCEED 35' IN HEIGHT WITH 2:1 MAXIMUM SIDE SLOPES.
 - THE COMPOST FILTER SOCK CONCRETE WASHOUT (DWO) SHALL BE REPLACED WHEN DEPOSITS REACH 1/2 OF CONSTRUCTED HEIGHT. MATERIALS SHALL BE DISPOSED OF IN ACCORDANCE WITH THE RECYCLE NOTE.

PERMANENT MAINTENANCE

INSPECT AND MAINTAIN ALL PERMANENT FACILITIES (E.G. PERMANENT SEEDING, LANDSCAPING, PAVING, RIP RAP APRONS, ETC.) AFTER EVERY STORM EVENT.

- EXECUTE THE FOLLOWING PROCEDURES:
- INSPECT ALL PERMANENT FEATURES TO ENSURE PROPER STABILITY AND FUNCTIONALITY.
 - REPAIR OR REPLACE ANY TURF OR LANDSCAPING THAT IS DISTURBED, DISEASED, OR DAMAGED.
 - MOW GRASS AREAS AND MAINTAIN LANDSCAPE PLANTINGS; IRRIGATE, RESEED, AND FERTILIZE AS REQUIRED.

SEQUENCE OF CONSTRUCTION

FARNSWORTH LANE

- MARK THE LIMITS OF DISTURBANCE (LOD) USING ORANGE BARRIER FENCE OR OTHER APPROVED EQUAL.
- CLEAR AND GRUB AS NECESSARY FOR THE INSTALLATION OF ROCK CONSTRUCTION ENTRANCE #7 (RCE#7). INSTALL RCE #7 IN ACCORDANCE WITH STANDARD DETAIL #3-1.
- INSTALL COMPOST FILTER SOCK (CFS) #19 IN ACCORDANCE WITH STANDARD DETAIL #4-1.
- STRIP TOPSOIL FOR AREA PROPOSED FOR GRADING IN ASSOCIATION WITH THE PENNDOT HIGHWAY OCCUPANCY PERMIT ACTIVITIES ONLY. STOCKPILE TOPSOIL IN THE DESIGNATED LOCATION.
- INSTALL INLET PROTECTION DEVICES (IPD) IN THESE INLETS IMMEDIATELY AFTER INSTALLATION. SEE STANDARD DETAILS #4-15 AND #4-16.
- GRADE THE PROPOSED ENTRANCE AND REVISED/RELOCATED ROADSIDE SWALE AREA. IMMEDIATELY UPON COMPLETION OF SWALE GRADING, REPLACE TOPSOIL AND STABILIZE WITH SEED, MULCH, SOIL AMENDMENTS AND THE INSTALLATION OF EROSION CONTROL BLANKETS (ECB). INSTALL INLETS I-P3, I-P2 AND I-P1 AND THE INTERCONNECTING PIPES AND FLARED END SECTION. INSTALL RIP RAP APRON AT PIPE OUTFALL.
- INSTALL CONCRETE CURBING IN ACCORDANCE WITH THE PENNDOT HIGHWAY OCCUPANCY PERMIT.
- SAWCUT ROADWAY AS REQUIRED BY PENNDOT. REMOVE MATERIALS AND RE-USE AS BASE MATERIAL FOR PROPOSED ENTRANCE.
- PLACE DENSE GRADED STONE AGGREGATE IN PROPOSED FARNSWORTH LANE, INCORPORATING RCE STONE INTO BASE MATERIAL AS WORK PROGRESSES.
- INSTALL ENTRANCE BASE PAVEMENT AND WEARING COURSE. IMMEDIATELY UPON COMPLETION OF THE WEARING COURSE, SEAL NEW PAVEMENT JOINTS WITH PG64-22 EMULSION.
- REPLACE TOPSOIL BEHIND CURBS AND IN ALL DISTURBED AREAS.
- PROVIDE SOIL AMENDMENTS, SEED AND MULCH IN ACCORDANCE WITH THE PERMANENT SEEDING NOTES.

SEQUENCE OF CONSTRUCTION

CUSTER DRIVE

- MARK THE LIMITS OF DISTURBANCE (LOD) USING ORANGE BARRIER FENCE OR OTHER APPROVED EQUAL.
- CLEAR AND GRUB AS NECESSARY FOR THE INSTALLATION OF ROCK CONSTRUCTION ENTRANCE #6 (RCE#6). INSTALL RCE #6 IN ACCORDANCE WITH STANDARD DETAIL #3-1.
- INSTALL COMPOST FILTER SOCK (CFS) #13 THRU #18 IN ACCORDANCE WITH STANDARD DETAIL #4-1.
- STRIP TOPSOIL FOR AREA PROPOSED FOR GRADING IN ASSOCIATION WITH THE PENNDOT HIGHWAY OCCUPANCY PERMIT ACTIVITIES ONLY. STOCKPILE TOPSOIL IN THE DESIGNATED LOCATION.
- GRADE THE PROPOSED ENTRANCE AND REVISED/RELOCATED ROADSIDE SWALE AREA. IMMEDIATELY UPON COMPLETION OF SWALE GRADING, REPLACE TOPSOIL AND STABILIZE WITH SEED, MULCH, SOIL AMENDMENTS AND THE INSTALLATION OF EROSION CONTROL BLANKETS (ECB).
- INSTALL CONCRETE CURBING IN ACCORDANCE WITH THE PENNDOT HIGHWAY OCCUPANCY PERMIT.
- SAWCUT ROADWAY AS REQUIRED BY PENNDOT. REMOVE MATERIALS AND RE-USE AS BASE MATERIAL FOR PROPOSED ENTRANCE.
- PLACE DENSE GRADED STONE AGGREGATE IN CUSTER DRIVE, INCORPORATING RCE STONE INTO BASE MATERIAL AS WORK PROGRESSES.
- INSTALL ENTRANCE BASE PAVEMENT AND WEARING COURSE. IMMEDIATELY UPON COMPLETION OF THE WEARING COURSE, SEAL NEW PAVEMENT JOINTS WITH PG64-22 EMULSION.
- REPLACE TOPSOIL BEHIND CURBS AND IN ALL DISTURBED AREAS.
- PROVIDE SOIL AMENDMENTS, SEED AND MULCH IN ACCORDANCE WITH THE PERMANENT SEEDING NOTES.

SEQUENCE OF CONSTRUCTION

WATER TREATMENT PLANT DRIVEWAY

- MARK THE LIMITS OF DISTURBANCE (LOD) USING ORANGE BARRIER FENCE OR OTHER APPROVED EQUAL.
- CLEAR AND GRUB AS NECESSARY FOR THE INSTALLATION OF ROCK CONSTRUCTION ENTRANCE #5 (RCE#5). INSTALL RCE #5 IN ACCORDANCE WITH STANDARD DETAIL #3-1.
- INSTALL COMPOST FILTER SOCKS (CFS) #10, #11 AND #12 IN ACCORDANCE WITH STANDARD DETAIL #4-1.
- STRIP TOPSOIL FOR AREA PROPOSED FOR GRADING IN ASSOCIATION WITH THE PENNDOT HIGHWAY OCCUPANCY PERMIT ACTIVITIES ONLY. STOCKPILE TOPSOIL IN THE DESIGNATED LOCATION.
- GRADE THE PROPOSED ENTRANCE AREA IN ACCORDANCE WITH THE PLAN.
- SAWCUT ROADWAY AS REQUIRED BY PENNDOT. REMOVE MATERIALS AND RE-USE AS BASE MATERIAL FOR PROPOSED ENTRANCE.
- PLACE DENSE GRADED STONE AGGREGATE IN DRIVEWAY AREA, INCORPORATING RCE STONE INTO BASE MATERIAL AS WORK PROGRESSES.
- INSTALL ENTRANCE BASE PAVEMENT AND WEARING COURSE. IMMEDIATELY UPON COMPLETION OF THE WEARING COURSE, SEAL NEW PAVEMENT JOINTS WITH PG64-22 EMULSION.
- REPLACE TOPSOIL IN ALL DISTURBED AREAS.
- PROVIDE SOIL AMENDMENTS, SEED AND MULCH IN ACCORDANCE WITH THE PERMANENT SEEDING NOTES.

SEQUENCE OF CONSTRUCTION

HAMPTON LANE

- MARK THE LIMITS OF DISTURBANCE (LOD) USING ORANGE BARRIER FENCE OR OTHER APPROVED EQUAL.
- CLEAR AND GRUB AS NECESSARY FOR THE INSTALLATION OF ROCK CONSTRUCTION ENTRANCE #4 (RCE#4). INSTALL RCE #4 IN ACCORDANCE WITH STANDARD DETAIL #3-1.
- INSTALL COMPOST FILTER SOCKS (CFS) #8 AND #9 IN ACCORDANCE WITH STANDARD DETAIL #4-1.
- STRIP TOPSOIL FOR AREA PROPOSED FOR GRADING IN ASSOCIATION WITH THE PENNDOT HIGHWAY OCCUPANCY PERMIT ACTIVITIES ONLY. STOCKPILE TOPSOIL IN THE DESIGNATED LOCATION.
- INSTALL ENDWALL AND INLETS I-783, 782, 784, 785 AND 786 AND THE INTERCONNECTING PIPES. INSTALL THE RIP RAP APRON AT THE ENDWALL/OUTFALL. INSTALL INLET PROTECTION DEVICES (IPD) IN THESE INLETS IMMEDIATELY AFTER INSTALLATION. SEE STANDARD DETAILS #4-15 AND #4-16.
- GRADE THE PROPOSED ENTRANCE AND REVISED/RELOCATED ROADSIDE SWALE AREA. IMMEDIATELY UPON COMPLETION OF SWALE GRADING, REPLACE TOPSOIL AND STABILIZE WITH SEED, MULCH, SOIL AMENDMENTS AND THE INSTALLATION OF EROSION CONTROL BLANKETS (ECB).
- INSTALL CONCRETE CURBING IN ACCORDANCE WITH THE PENNDOT HIGHWAY OCCUPANCY PERMIT.
- SAWCUT ROADWAY AS REQUIRED BY PENNDOT. REMOVE MATERIALS AND RE-USE AS BASE MATERIAL FOR PROPOSED ENTRANCE.
- PLACE DENSE GRADED STONE AGGREGATE IN HAMPTON LANE, INCORPORATING RCE STONE INTO BASE MATERIAL AS WORK PROGRESSES.
- INSTALL ENTRANCE BASE PAVEMENT AND WEARING COURSE. IMMEDIATELY UPON COMPLETION OF THE WEARING COURSE, SEAL NEW PAVEMENT JOINTS WITH PG64-22 EMULSION.
- REPLACE TOPSOIL BEHIND CURBS AND IN ALL DISTURBED AREAS.
- PROVIDE SOIL AMENDMENTS, SEED AND MULCH IN ACCORDANCE WITH THE PERMANENT SEEDING NOTES.

SEQUENCE OF CONSTRUCTION

KILPATRICK DRIVE

- MARK THE LIMITS OF DISTURBANCE (LOD) USING ORANGE BARRIER FENCE OR OTHER APPROVED EQUAL.
- CLEAR AND GRUB AS NECESSARY FOR THE INSTALLATION OF ROCK CONSTRUCTION ENTRANCE #3 (RCE#3). INSTALL RCE #3 IN ACCORDANCE WITH STANDARD DETAIL #3-1.
- INSTALL COMPOST FILTER SOCK (CFS) #7 IN ACCORDANCE WITH STANDARD DETAIL #4-1.
- STRIP TOPSOIL FOR AREA PROPOSED FOR GRADING IN ASSOCIATION WITH THE PENNDOT HIGHWAY OCCUPANCY PERMIT ACTIVITIES ONLY. STOCKPILE TOPSOIL IN THE DESIGNATED LOCATION.
- GRADE THE PROPOSED ENTRANCE AND REVISED/RELOCATED ROADSIDE SWALE AREA. IMMEDIATELY UPON COMPLETION OF SWALE GRADING, REPLACE TOPSOIL AND STABILIZE WITH SEED, MULCH, SOIL AMENDMENTS AND THE INSTALLATION OF EROSION CONTROL BLANKETS (ECB).
- INSTALL CONCRETE CURBING IN ACCORDANCE WITH THE PENNDOT HIGHWAY OCCUPANCY PERMIT.
- SAWCUT ROADWAY AS REQUIRED BY PENNDOT. REMOVE MATERIALS AND RE-USE AS BASE MATERIAL FOR PROPOSED ENTRANCE.
- PLACE DENSE GRADED STONE AGGREGATE IN KILPATRICK DRIVE, INCORPORATING RCE STONE INTO BASE MATERIAL AS WORK PROGRESSES.
- INSTALL ENTRANCE BASE PAVEMENT AND WEARING COURSE. IMMEDIATELY UPON COMPLETION OF THE WEARING COURSE, SEAL NEW PAVEMENT JOINTS WITH PG64-22 EMULSION.
- REPLACE TOPSOIL BEHIND CURBS AND IN ALL DISTURBED AREAS.
- PROVIDE SOIL AMENDMENTS, SEED AND MULCH IN ACCORDANCE WITH THE PERMANENT SEEDING NOTES.

SEQUENCE OF CONSTRUCTION

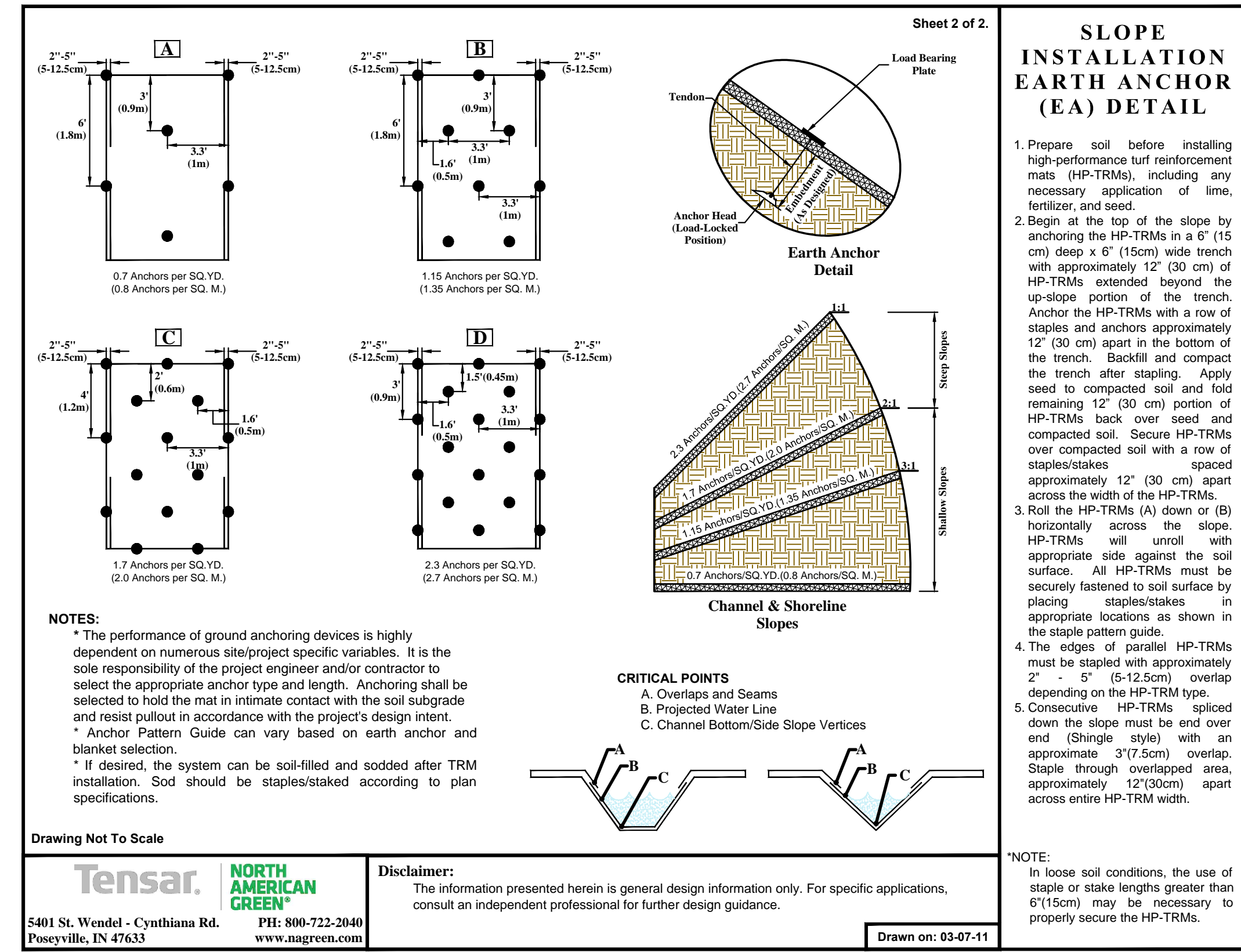
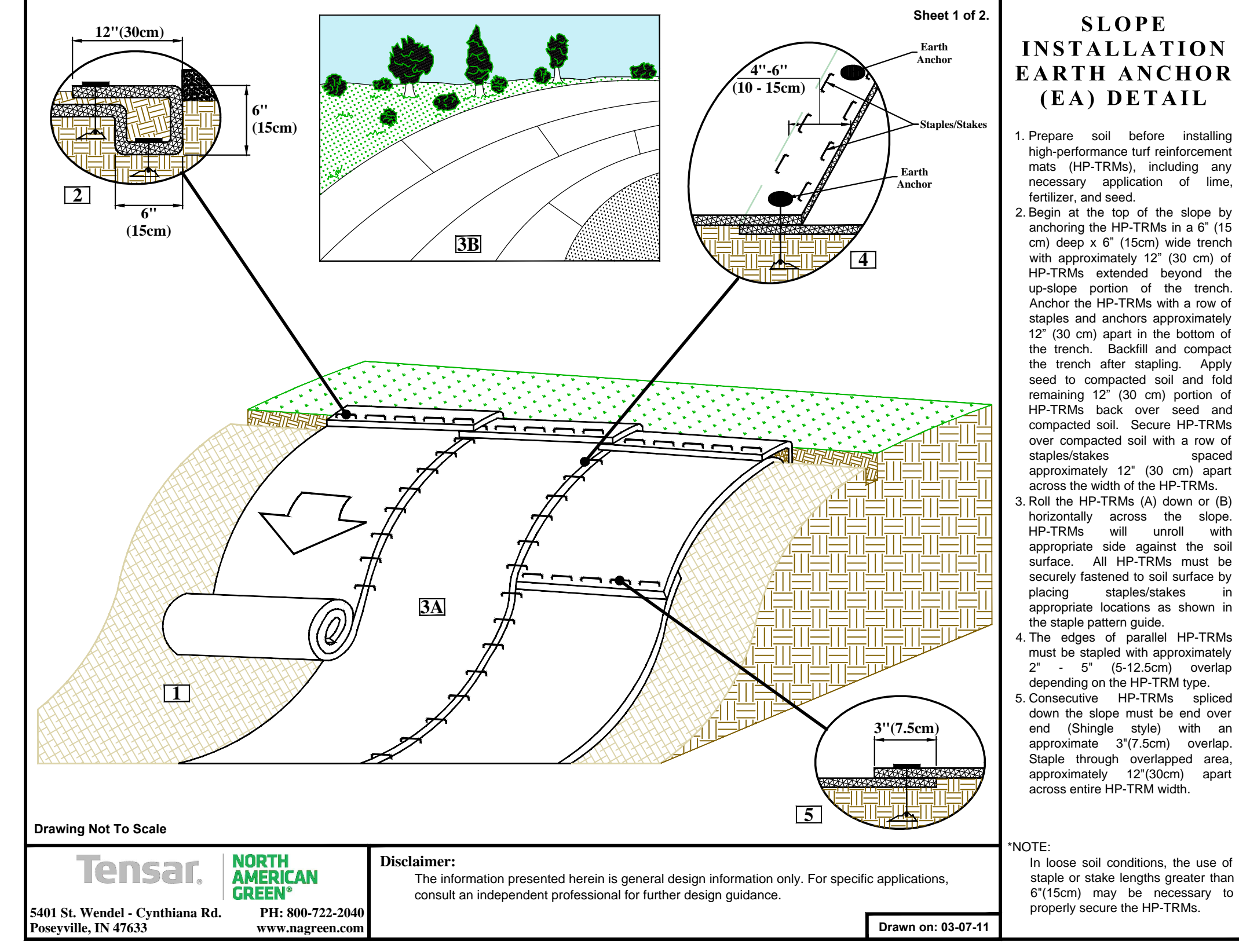
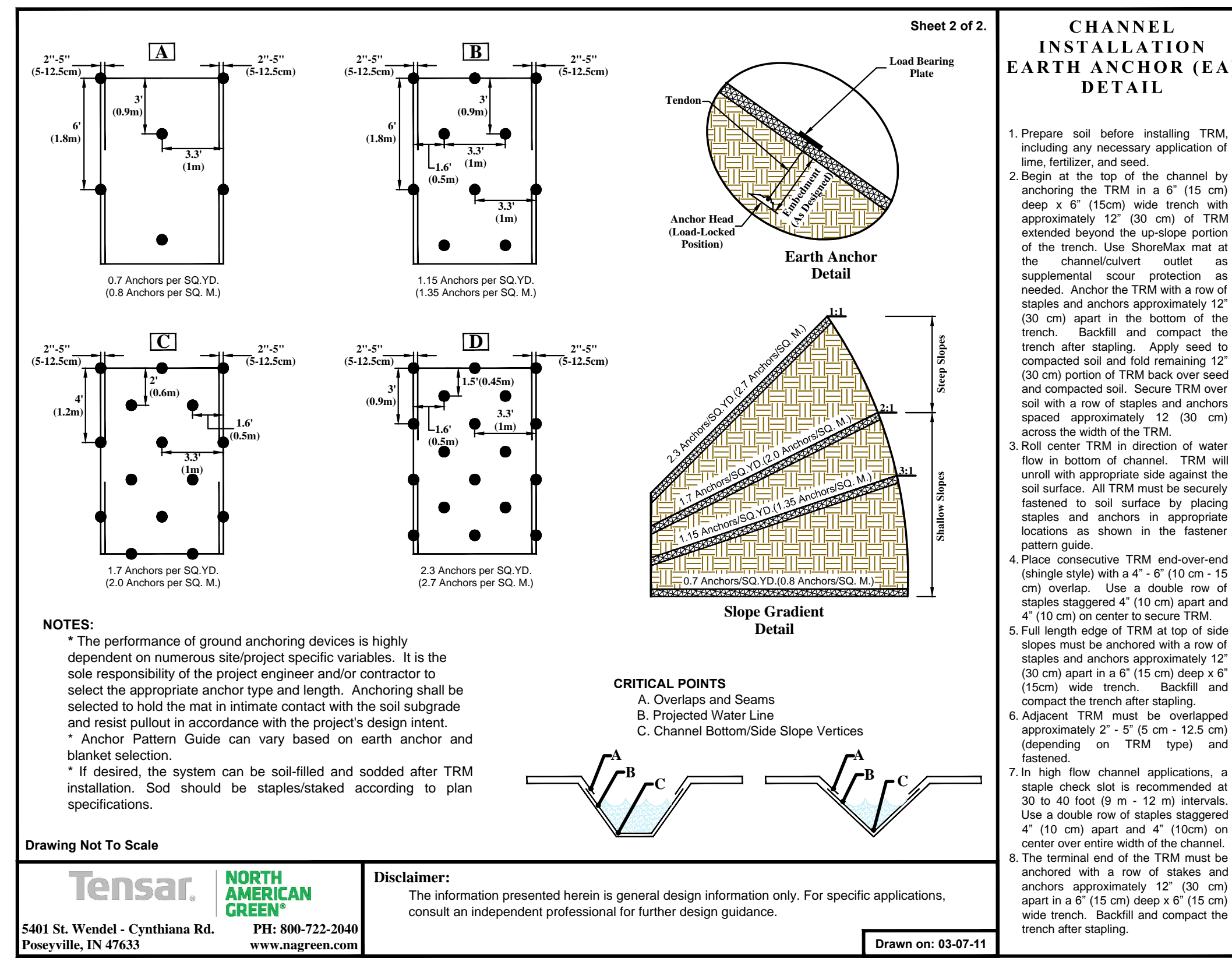
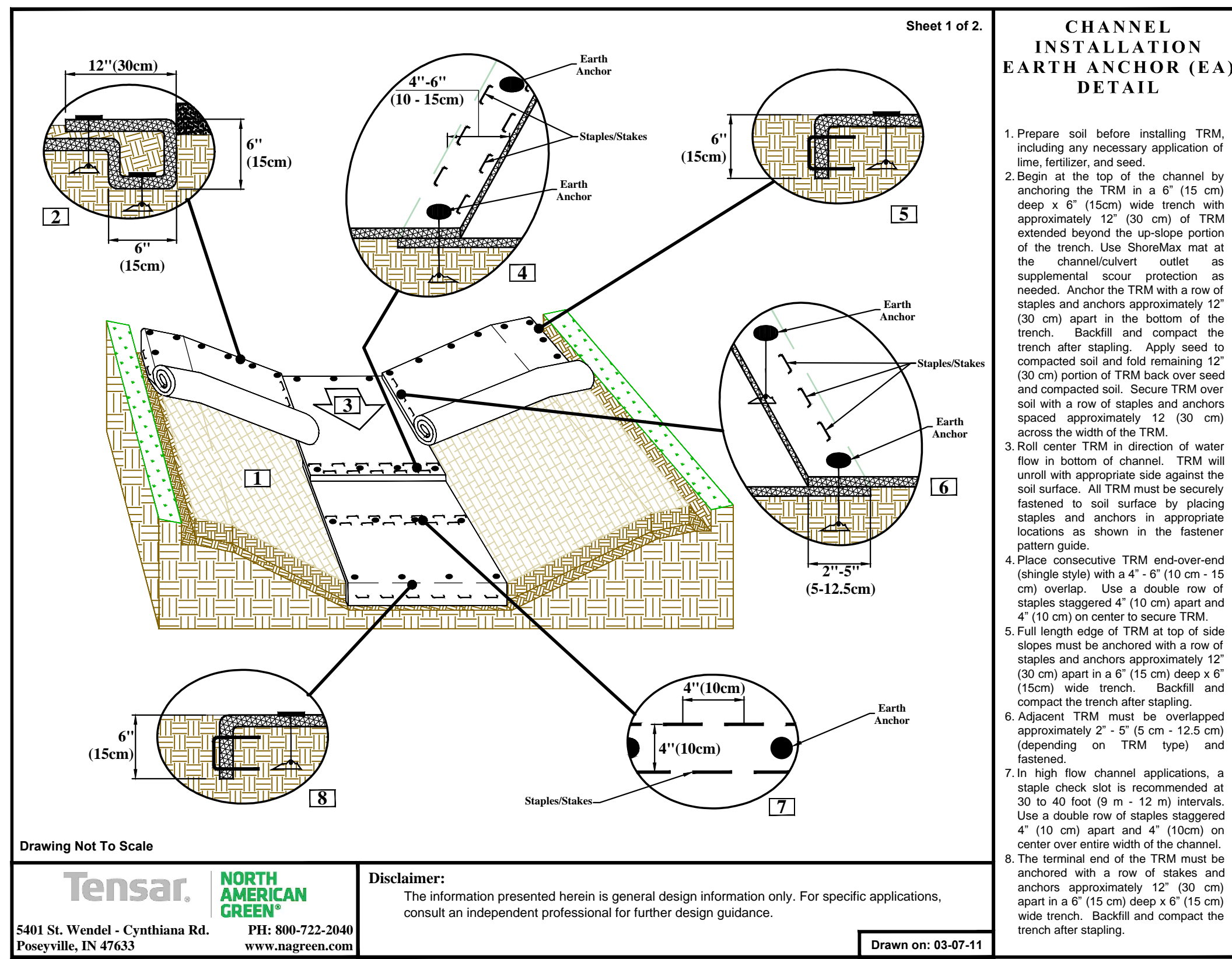
LEGION DRIVE

- MARK THE LIMITS OF DISTURBANCE (LOD) USING ORANGE BARRIER FENCE OR OTHER APPROVED EQUAL.
- CLEAR AND GRUB AS NECESSARY FOR THE INSTALLATION OF ROCK CONSTRUCTION ENTRANCE #2 (RCE#2). INSTALL RCE #2 IN ACCORDANCE WITH STANDARD DETAIL #3-1.
- INSTALL COMPOST FILTER SOCK (CFS) #6 IN ACCORDANCE WITH STANDARD DETAIL #4-1.
- STRIP TOPSOIL FOR AREA PROPOSED FOR GRADING IN ASSOCIATION WITH THE PENNDOT HIGHWAY OCCUPANCY PERMIT ACTIVITIES ONLY. STOCKPILE TOPSOIL IN THE DESIGNATED LOCATION.
- DO NOT INSTALL STORM DRAIN INLETS AND PIPES AT THIS TIME. THIS WORK WILL BE COMPLETED LATER WHEN DEVELOPMENT IN THE AREA TAKES PLACE.
- GRADE THE PROPOSED ENTRANCE AND REVISED/RELOCATED ROADSIDE SWALE AREA. IMMEDIATELY UPON COMPLETION OF SWALE GRADING, REPLACE TOPSOIL AND STABILIZE WITH SEED, MULCH, SOIL AMENDMENTS AND THE INSTALLATION OF EROSION CONTROL BLANKETS (ECB).
- INSTALL CONCRETE CURBING IN ACCORDANCE WITH THE PENNDOT HIGHWAY OCCUPANCY PERMIT.
- SAWCUT ROADWAY AS REQUIRED BY PENNDOT. REMOVE MATERIALS AND RE-USE AS BASE MATERIAL FOR PROPOSED ENTRANCE.
- PLACE DENSE GRADED STONE AGGREGATE IN LEGION DRIVE, INCORPORATING RCE STONE INTO BASE MATERIAL AS WORK PROGRESSES.
- INSTALL ENTRANCE BASE PAVEMENT AND WEARING COURSE. IMMEDIATELY UPON COMPLETION OF THE WEARING COURSE, SEAL NEW PAVEMENT JOINTS WITH PG64-22 EMULSION.
- REPLACE TOPSOIL BEHIND CURBS AND IN ALL DISTURBED AREAS.
- PROVIDE SOIL AMENDMENTS, SEED AND MULCH IN ACCORDANCE WITH THE PERMANENT SEEDING NOTES.

SEQUENCE OF CONSTRUCTION

NORTH CAVALRY DRIVE

- MARK THE LIMITS OF DISTURBANCE (LOD) USING ORANGE BARRIER FENCE OR OTHER APPROVED EQUAL.
- CLEAR AND GRUB AS NECESSARY FOR THE INSTALLATION OF ROCK CONSTRUCTION ENTRANCE #1 (RCE#1). INSTALL RCE #1 IN ACCORDANCE WITH STANDARD DETAIL #3-1.
- INSTALL COMPOST FILTER SOCKS (CFS) #1 THRU #5 IN ACCORDANCE WITH STANDARD DETAIL #4-1.
- STRIP TOPSOIL FOR AREA PROPOSED FOR GRADING IN ASSOCIATION WITH THE PENNDOT HIGHWAY OCCUPANCY PERMIT ACTIVITIES ONLY. STOCKPILE TOPSOIL IN THE DESIGNATED LOCATION.
- INSTALL INLETS I-P5 AND I-P6 AND THE INTERCONNECTING PIPE. INSTALL SUFFICIENT PIPE FROM I-P6 TO REACH 'DAYLIGHT' AND INSTALL A TEMPORARY RIP RAP APRON USING R-4 ROCK AT THE TEMPORARY OUTFALL. INSTALL INLET PROTECTION DEVICES (IPD) IN THESE INLETS IMMEDIATELY AFTER INSTALLATION. SEE STANDARD DETAILS #4-15 AND #4-16.
- GRADE THE PROPOSED ENTRANCE AND REVISED/RELOCATED ROADSIDE SWALE AREA. IMMEDIATELY UPON COMPLETION OF SWALE GRADING, REPLACE TOPSOIL AND STABILIZE WITH SEED, MULCH, SOIL AMENDMENTS AND THE INSTALLATION OF EROSION CONTROL BLANKETS (ECB).
- INSTALL CON



ROLLMAX™ ROLLED EROSION CONTROL

Specification Sheet - EroNet™ S75® Erosion Control Blanket

DESCRIPTION
 The short-term single net erosion control blanket shall be a machine-produced mat of 100% agricultural straw with a functional longevity of up to 12 months. (NOTE: functional longevity may vary depending upon climatic conditions, soil, geographical location, and elevation.) The blanket shall be of consistent thickness with the straw evenly distributed over the entire area of the mat. The blanket shall be covered on the top side with a lightweight photodegradable polypropylene netting having an approximate 0.50 x 0.50 in. (1.27 x 1.27 cm) mesh. The blanket shall be sewn together on 1.50 inch (3.81 cm) centers with degradable thread. The blanket shall be manufactured with a colored thread stitched along both outer edges (approximately 2-5 inches [5-12.5 cm] from the edge) as an overlap guide for adjacent mats.

The S75 shall meet Type 2 C specification requirements established by the Erosion Control Technology Council (ECTC) and Federal Highway Administrations (FHWA) FP-D3 Section 713.17

Material Content	Quantity
Matrix	100% Straw Fiber (0.27 kg/m ²)
Netting	Top side only, lightweight photodegradable (0.73 kg/100 sq ft)
Thread	Degradable

Standard Roll Sizes	Length	Width	Weight	Area
Width	6.67 ft (2.03 m)	8.0 ft (2.4 m)	16 ft (4.87 m)	
Length	108 ft (32.92 m)	112 ft (34.14 m)	108 ft (32.92 m)	
Weight ± 10%	40 lbs (18.14 kg)	50 lbs (22.68 kg)	96 lbs (43.54 kg)	
Area	80 sq yd (66.9 sm)	100 sq yd (83.81 sm)	192 sq yd (165.5 sm)	

Design Permissible Shear Stress	Value
Unvegetated Shear Stress	1.55 psf (74 Pa)
Unvegetated Velocity	5.00 fps (1.52 m/s)

Slope Design Data: C-Factors	Slope Gradients (S)
Slope Length (L)	≤ 3.1
20-50 ft (6 m)	0.029
20-50 ft (6 m)	0.11
≥ 50 ft (15.2 m)	0.19

Roughness Coefficients - Unveg.	Flow Depth	Manning's n
≤ 0.50 ft (0.15 m)	0.055	
0.50 - 2.0 ft	0.055-0.021	
≥ 2.0 ft (0.60 m)	0.021	

North American Green
 5401 St. Wendel - Cynthiana Rd. Potosi, MO 64673
 naagreen.com
 800-722-2040

EC: BAK, MPDS, ESPS, 6.19

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REGISTERED PROFESSIONAL
 ROBERT A. SHARRAH
 SURVEYOR
 PENNSYLVANIA

REVISIONS		XREFS	
NO.	DATE	DESCRIPTION	
1	10-06-17	PER ACCD COMMENTS	

811 Know what's below. Call before you dig.
 PENNSYLVANIA ACT 387 (1974) AS AMENDED BY PENNSYLVANIA ACT 33 (2006) REPEALED BY ACT 28 (2010), ACT 29 (2010), ACT 31 (2010), ACT 32 (2010), ACT 33 (2010), ACT 34 (2010), ACT 35 (2010), ACT 36 (2010), ACT 37 (2010), ACT 38 (2010), ACT 39 (2010), ACT 40 (2010), ACT 41 (2010), ACT 42 (2010), ACT 43 (2010), ACT 44 (2010), ACT 45 (2010), ACT 46 (2010), ACT 47 (2010), ACT 48 (2010), ACT 49 (2010), ACT 50 (2010), ACT 51 (2010), ACT 52 (2010), ACT 53 (2010), ACT 54 (2010), ACT 55 (2010), ACT 56 (2010), ACT 57 (2010), ACT 58 (2010), ACT 59 (2010), ACT 60 (2010), ACT 61 (2010), ACT 62 (2010), ACT 63 (2010), ACT 64 (2010), ACT 65 (2010), ACT 66 (2010), ACT 67 (2010), ACT 68 (2010), ACT 69 (2010), ACT 70 (2010), ACT 71 (2010), ACT 72 (2010), ACT 73 (2010), ACT 74 (2010), ACT 75 (2010), ACT 76 (2010), ACT 77 (2010), ACT 78 (2010), ACT 79 (2010), ACT 80 (2010), ACT 81 (2010), ACT 82 (2010), ACT 83 (2010), ACT 84 (2010), ACT 85 (2010), ACT 86 (2010), ACT 87 (2010), ACT 88 (2010), ACT 89 (2010), ACT 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