

GENERAL NOTES SOIL EROSION AND SEDIMENTATION CONTROLS

1. LIMIT ADDITIONAL DISTURBANCE OF SITE WHILE PROVIDING ACCESS TO THE EAS CONTROL AREAS. IN ADDITION, CONTRACTOR SHALL IMPLEMENT CONSTRUCTION PROCEDURES TO LIMIT EARTH DISTURBANCE DURING THE CONSTRUCTION OF THE ILLUSTRATED EAS CONTROLS.
2. EROSION AND SEDIMENTATION (BMPs) CONTROLS MUST BE CONSTRUCTED, STABILIZED, AND FUNCTIONAL BEFORE SITE DISTURBANCE BEGINS WITHIN THE TRIBUTARY AREAS TO THOSE CONTROLS.
3. AFTER FINAL SITE STABILIZATION HAS BEEN ACHIEVED, TEMPORARY EROSION AND SEDIMENTATION (BMPs) CONTROLS MUST BE REMOVED. AREAS DISTURBED DURING REMOVAL OF THE CONTROLS MUST BE STABILIZED IMMEDIATELY.
4. PRIMARY EAS (BMPs) CONTROL ON THIS PROJECT INVOLVES 18" SILT SOCK. STAKES MUST BE USED.
5. STOCKPILE HEIGHTS MUST NOT EXCEED 35 FEET. STOCKPILE SLOPES MUST BE 2:1 OR FLATTER.
6. UNTIL THE SITE IS STABILIZED, ALL EROSION AND SEDIMENT BMPs MUST BE MAINTAINED PROPERLY. MAINTENANCE MUST INCLUDE INSPECTIONS OF ALL EROSION AND SEDIMENT BMPs AFTER EACH RAINFALL EVENT AND ON A WEEKLY BASIS. ALL PREVENTATIVE AND REMEDIAL MAINTENANCE WORK, INCLUDING THE CLEAN OUT, REPAIR, REPLACEMENT, REGRADING, RESEEDING, REMULCHING AND REINVENTING MUST BE PERFORMED IMMEDIATELY IF EROSION AND SEDIMENT CONTROL BMPs FAIL TO PERFORM AS DESIGNED. REPLACEMENT BMPs, OR MODIFICATIONS OF THOSE INSTALLED WILL BE REQUIRED.
7. ANY DISTURBED AREA ON WHICH ACTIVITY HAS CEASED AND WHICH WILL REMAIN EXPOSED FOR MORE THAN 2 WEEKS MUST BE STABILIZED IMMEDIATELY. DURING NON-GERMINATING PERIODS, MULCH MUST BE APPLIED AT THE RECOMMENDED RATES. DISTURBED AREAS WHICH ARE NOT AT FINISHED GRADE AND WHICH WILL BE REDISTRIBUTED WITHIN ONE (1) YEAR MAY BE STABILIZED IN ACCORDANCE WITH TEMPORARY SEEDING SPECIFICATIONS. DISTURBED AREAS WHICH ARE EITHER AT FINISHED GRADE OR WILL NOT BE REDISTRIBUTED WITHIN ONE (1) YEAR MUST BE STABILIZED IN ACCORDANCE WITH PERMANENT SEEDING SPECIFICATIONS.
8. ROCK CONSTRUCTION ENTRANCES WILL BE UTILIZED TO CONTROL CONTAMINATION OF EXISTING PUBLIC ROADWAYS.

NOTE: A STOCKPILE OF AASHTO NO. 1 ROCK WILL BE STORED ON SITE FOR THE PURPOSE OF MAINTAINING THE ROCK CONSTRUCTION ENTRANCES. ALSO, AT THE END OF EACH CONSTRUCTION DAY, ALL SEDIMENT DEPOSITED ON PUBLIC ROADWAYS SHALL BE REMOVED AND DEPOSITED WITH STOCKPILED TOPSOIL.

PERMANENT SEEDING SPECIFICATIONS:

TOPSOIL: Spread topsoil to a depth of 4" on all areas to receive permanent

LIMESTONE: Apply at least 6 tons of agricultural grade limestone and 100-200-200 (100 pounds of N, 200 pounds of P & 200 pounds of K O) per acre. Work lime and fertilizer in deeply where possible.

COMMERCIAL FERTILIZER: Use 500 pounds 8-16-16 or 800 pounds 5-10-10 to the acre (12 and 18 pounds to 1,000 square feet respectively) mixed into seedbed prior to seeding, or in tank with seed when hydroseeding.

INOCULANT: Inoculant for treating leguminous seeds shall be a standard commercial product consisting of a suitable carrier containing a culture of nitrogen fixing bacterial specific for the seeds to be inoculated. Inoculant shall not be used later than the date indicated on the container.

MULCH: Clean oat or wheat straw shall be free from mature seed-bearing stalks or roots of prohibited or noxious weeds as defined by the Pennsylvania Seed Act 1947. apply at a rate of 3 bales per 1,000 square feet (3 tons per acre). Precautions shall be taken to stabilize the mulch until the vegetative cover is established.

SEED MIXTURE: Seed mixture shall bear a guaranteed statement of analysis, be composed of the varieties following and mixed in the proportions specified:

Permanent seed mixture	Proportion by weight	Minimum purity	Minimum germination
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Festuca Eliator Var.			
Kentucky 31 Tall Fescue	40%	98%	85%
Poa Pratensis			
Common Kentucky Bluegrass	30%	85%	75%
Festuca Rubra Var. Pennlawn			
Pennlawn Red Fescue	30%	97%	85%

Three percent Redtop may be added to the lawn mixture on slope areas for late spring or late fall seeding.

PERMANENT SEEDING shall be applied at a rate of four (4) pounds per one thousand (1,000) square feet.

PREPARATION OF SEEDING: Grade as necessary to bring the subgrade to a true, smooth slope parallel to and 4 inches below finished grade. Place topsoil over specified areas to a depth sufficiently greater than four (4) inches so that after settlement and light rolling, the complete work will conform to lines, grades and elevations shown.

Fertilizer on agricultural limestone shall be thoroughly incorporated into the soil by rototilling or other method to a minimum depth of four (4) inches. The entire surface shall then be regraded and rolled. Areas to be seeded shall then be done in two separate operations, the second seeding shall be done immediately after and at right angles to the first.

CROWN VETCH SEEDING SPECIFICATIONS:

MATERIALS:

LIMESTONE: Apply at least 6 tons of agricultural grade limestone and 100-200-200 (100 pounds of N, 200 pounds of P & 200 pounds of K O) per acre. Work lime and fertilizer in deeply where possible.

COMMERCIAL FERTILIZER: Use 500 pounds 8-16-16 or 800 pounds 5-10-10 to the acre (12 and 18 pounds to 1,000 square feet respectively) mixed into seedbed prior to seeding, or in tank with seed when hydroseeding.

INOCULANT: Inoculant for treating leguminous seeds shall be a standard commercial product consisting of a suitable carrier containing a culture of nitrogen fixing bacterial specific for the seeds to be inoculated. Inoculant shall not be used later than the date indicated on the container. If a hydraulic method of application is used, increase inoculant four (4) times normal application rates.

MULCH: Clean oat or wheat straw shall be free from mature seed-bearing stalks or roots of prohibited or noxious weeds as defined by the Pennsylvania Seed Act 1947. apply at a rate of 3 bales per 1,000 square feet (3 tons per acre). Precautions shall be taken to stabilize the mulch until the vegetative cover is established.

SEED MIXTURE: Seed mixture shall bear a guaranteed statement of analysis, be composed of the varieties following and mixed in the proportions specified:

Crownvetch seeding	Proportion by weight	Minimum purity	Minimum germination
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Coronilla Variegata			
Var. "Pennsylvanica"			
Crownvetch Pennsylvanica	40%	99%	70%
Lolium Perenne			
Perennial Ryegrass	60%	95%	90%

CROWN VETCH SEEDING shall be applied at a rate of one and one-half (1-1/2) pounds per one thousand (1,000) square feet.

All areas to be seeded shall be scarified to a minimum depth of at least two inches parallel to the contours by mechanical means as approved by the Landscape Architect. the commercial fertilizer and agricultural ground limestone may be spread evenly on the areas to be seeded prior to tillage and incorporated into the soil at the same time.

Mulch seeded areas immediately after seeding.

SEEDING: Seed all areas with a slope of 2:1 or steeper with Crownvetch Seeding unless noted otherwise on the drawings.

TEMPORARY SEEDING SPECIFICATIONS:

MULCH: Clean oat or wheat straw shall be free from mature seed-bearing stalks or roots of prohibited or noxious weeds as defined by the Pennsylvania Seed Act of 1947. apply at a rate of 3 bales per 1,000 square feet (3 tons per acre). Precautions shall be taken to stabilize the mulch until the vegetative cover is established.

SEED MIXTURE: Shall bear a guaranteed statement of analysis and shall be composed of the varieties following and mixed in the proportions specified:

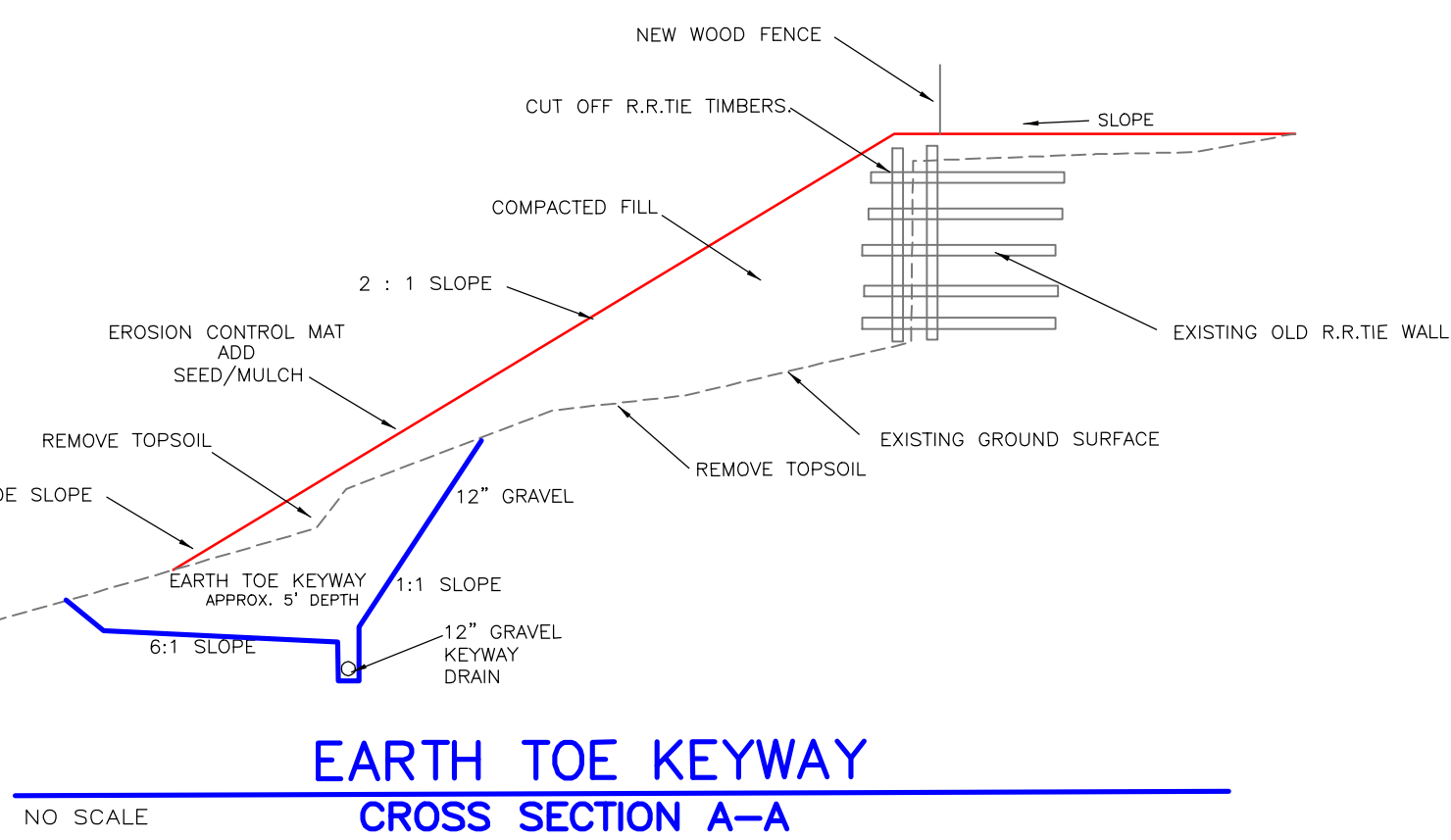
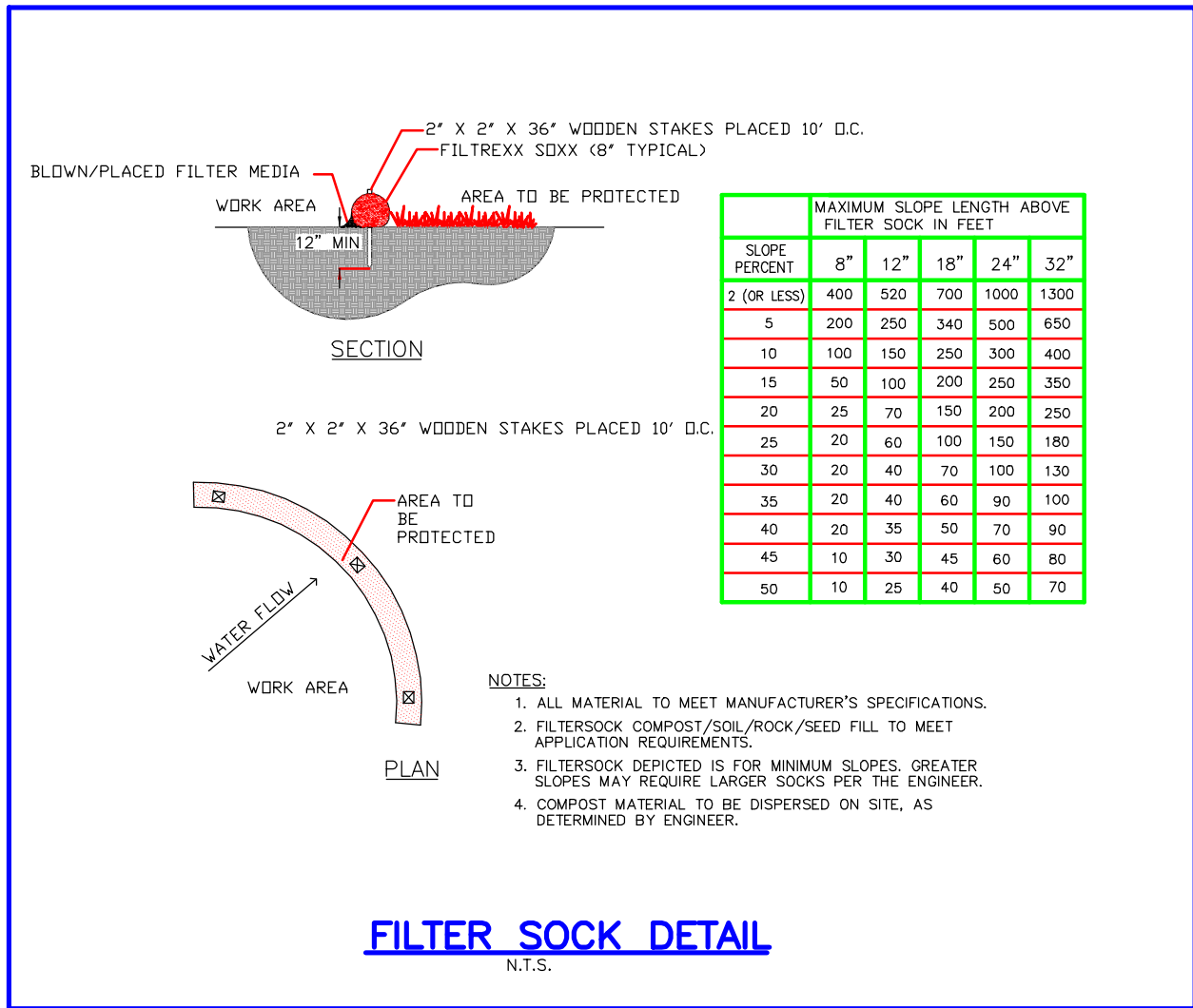
TEMPORARY SEED MIXTURE	PROPORTION BY WEIGHT	MINIMUM PURITY	MINIMUM GERMINATION
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Lolium Perenne			
Perennial Ryegrass	100%	95%	90%

Three percent Redtop may be added to the lawn mixture on slope areas or for late spring or fall seeding.

TEMPORARY SEEDING: Shall be applied at the rate of four (4) pounds per one thousand (1,000) square feet. All areas to be seeded shall be loosened to a depth of at least two inches by mechanical means as approved by the Engineer. Mulch seeded areas immediately after seeding. Lime or fertilizer shall not be required on areas of temporary seeding.

SEEDING: Seed all areas disturbed areas with the temporary seed mixture except those areas shown to be seeded with crownvetch, unless noted otherwise on the drawings.

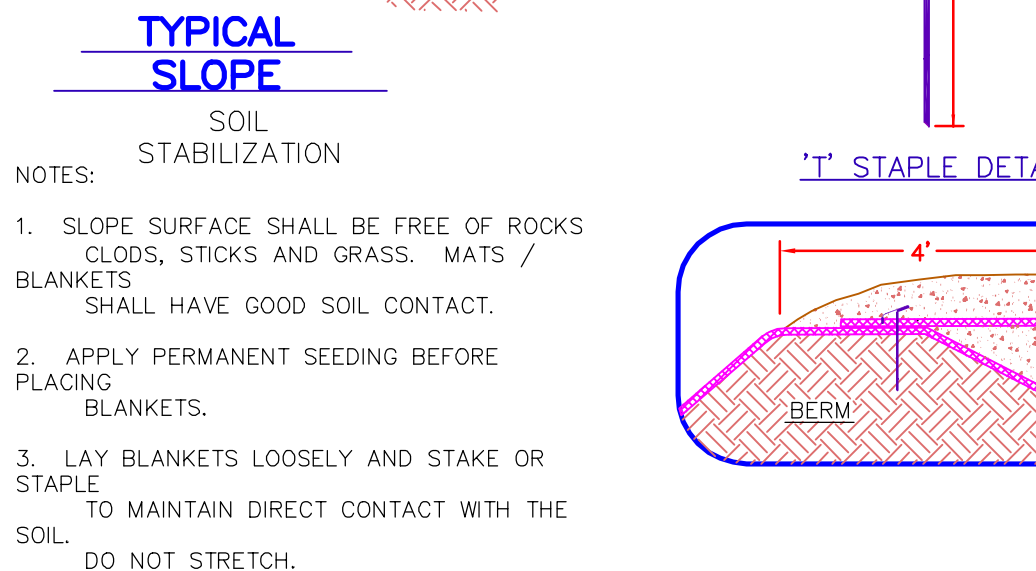
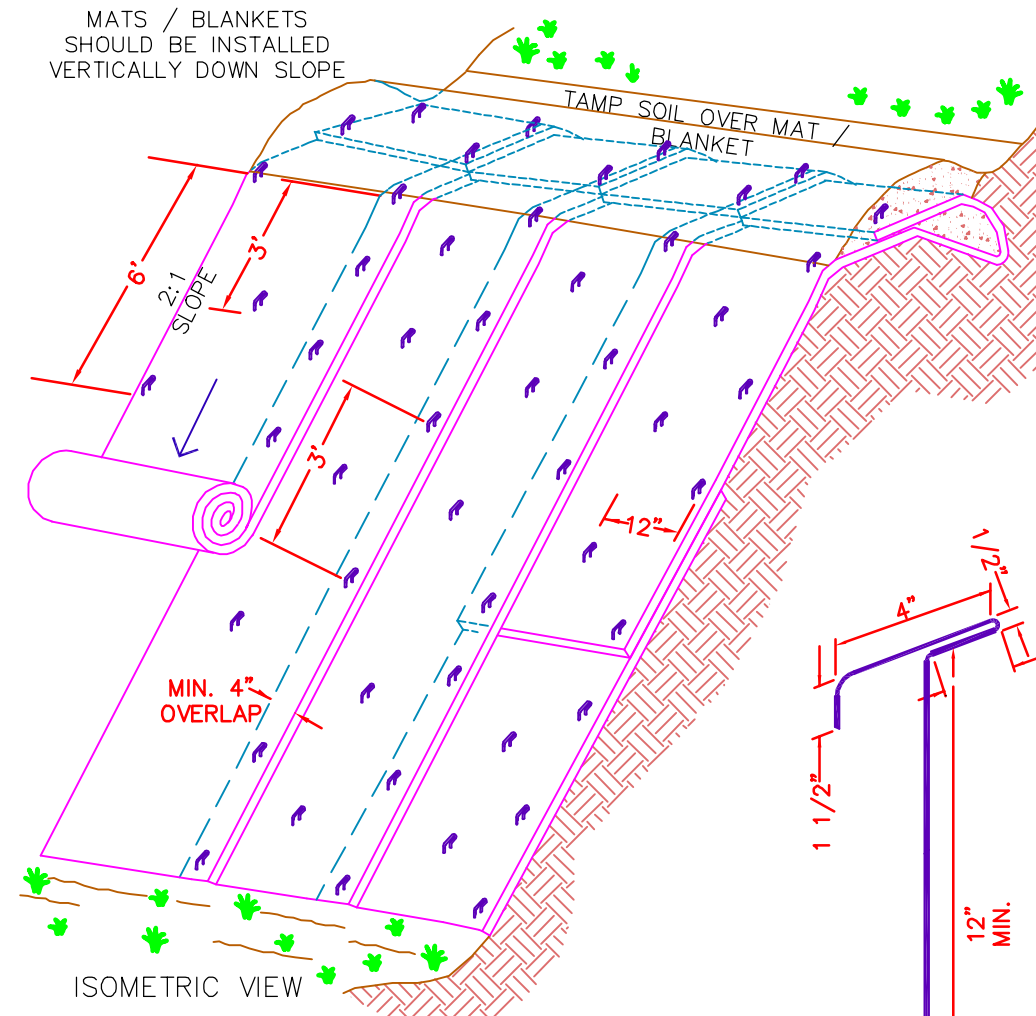


CLEAN FILL AND ENVIRONMENTAL DUE DILIGENCE

1. THE OPERATOR SHALL BE RESPONSIBLE FOR PERFORMING ENVIRONMENTAL DUE DILIGENCE AND THE DETERMINATION OF CLEAN FILL FOR ALL IMPORTED FILL MATERIAL.

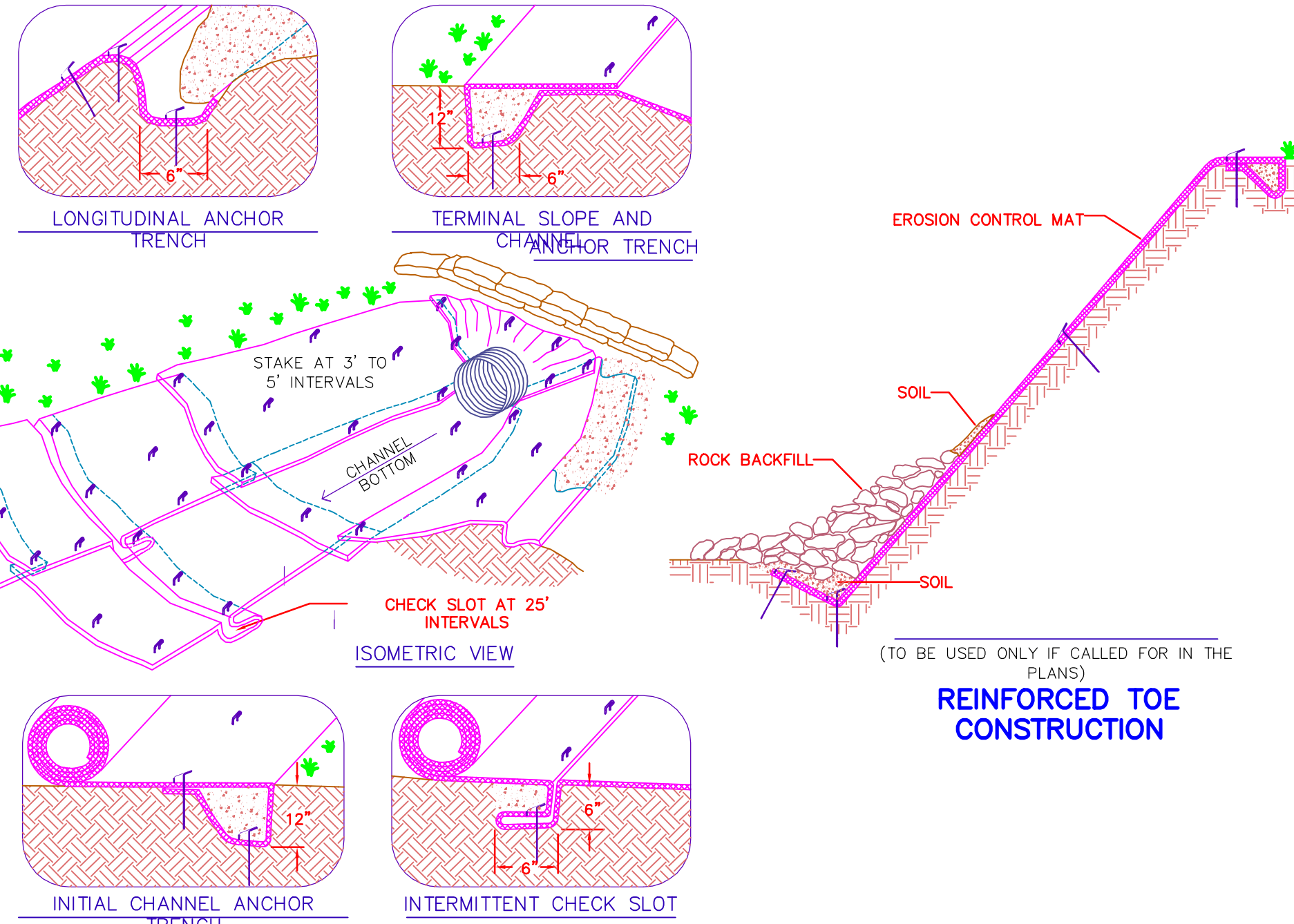
CLEAN FILL - UNCONTAMINATED, NON-WATER SOLUBLE, NON-DECOMPOSABLE, INERT, SOLID MATERIAL. THE TERM INCLUDES SOIL, ROCK, STONE, DREDGED MATERIAL, USED ASPHALT, AND BRICK. BLOCK OR CONCRETE FROM CONSTRUCTION AND DEMOLITION ACTIVITIES THAT IS SEPARATE FROM OTHER WASTE AND IS RECOGNIZABLE AS SUCH. THE TERM DOES NOT INCLUDE MATERIALS PLACED IN OR ON THE WATERS OF THE COMMONWEALTH UNLESS OTHERWISE AUTHORIZED. (THE TERM "USED ASPHALT" DOES NOT INCLUDE MILLED ASPHALT OR ASPHALT THAT HAS BEEN PROCESSED FOR RE-USE.)

ENVIRONMENTAL DUE DILIGENCE - INVESTIGATIVE TECHNIQUES, INCLUDING, BUT NOT LIMITED TO VISUAL PROPERTY INSPECTIONS, ELECTRONIC DATA BASE SEARCHES, REVIEW OF PROPERTY OWNERSHIP, REVIEW OF PROPERTY USE HISTORY, SANBORN MAPS, ENVIRONMENTAL QUESTIONNAIRES, TRANSACTION SCREENS, ANALYTICAL TESTING, ENVIRONMENTAL ASSESSMENTS OR AUDITS. ANALYTICAL TESTING IS NOT A REQUIRED PART OF DUE DILIGENCE UNLESS VISUAL INSPECTION AND/OR REVIEW OF THE PAST LAND USE OF THE PROPERTY INDICATES THAT THE FILL MAY HAVE BEEN SUBJECT TO A SPILL OR RELEASE OF REGULATED SUBSTANCES. IF THE FILL MAY HAVE BEEN AFFECTED BY A SPILL OR RELEASE OF A REGULATED SUBSTANCE, IT MUST BE TESTED TO DETERMINE IF IT QUALIFIES AS CLEAN FILL. TESTING SHOULD BE PERFORMED IN ACCORDANCE WITH APPENDIX A OF THE DEPARTMENT'S POLICY "MANAGEMENT OF FILL".



EROSION BLANKET & TURF REINFORCEMENT MATS SLOPE INSTALLATION

IMPORTANT DRAWING NOTE: CONTRACTORS SHALL VERIFY ALL MEASUREMENTS ON PLANS/REPORTS PRIOR TO BIDDING, ORDERING MATERIAL AND CONSTRUCTION OF ANY KIND. ANY CONFLICT FOUND ON MAPPING DOCUMENTS SHALL BE RELAYED TO ALLSTATE MAPPING INC. IMMEDIATELY



EROSION BLANKET & TURF REINFORCEMENT MATS CHANNEL INSTALLATION

HORIZONTAL DATUM BASED ON GPS (NAD83)
VERTICAL DATUM BASED ON GPS (NAVD88)

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ALL DIGITAL INFORMATION CONTAINED HEREON IS OWNED BY ALLSTATE MAPPING INC.

SEAL REGISTERED PROFESSIONAL DAVID W. GILLILAND ENGINEER PE-071280	SEAL REGISTERED PROFESSIONAL ROBERT R. DeGLAU LAND SURVEYOR SU-042317-R	DATE: 04-15-2019 SCALE: 1"= 10' DRAWN BY: RRD DWG. FILE: 19-0046 SHEET No. 1 OF REVISED: 1 2
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PLAN DETAILS PREPARED FOR ISBIR CONSTRUCTION & LANDSCAPE CORP. SITUATE IN "REGENT SQUARE PLAN" CITY OF PITTSBURGH-14th WARD-ALLEGHENY CO. PENNSYLVANIA ALLSTATEMAPPING@VERIZON.NET APPROVED BY: ROBERT R. DeGLAU, PLS Robert DeGlaun, PLS COPYRIGHT © 2019 ALL RIGHTS RESERVED. DO NOT DUPLICATE JOB No. 19-0046	ALLSTATE MAPPING INC. SURVEYORS • PLANNERS • CONSULTANTS PO BOX 422 IRVING, PA (412) 829-2607 • (724) 863-8558 • FAX (724) 863-4939
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