

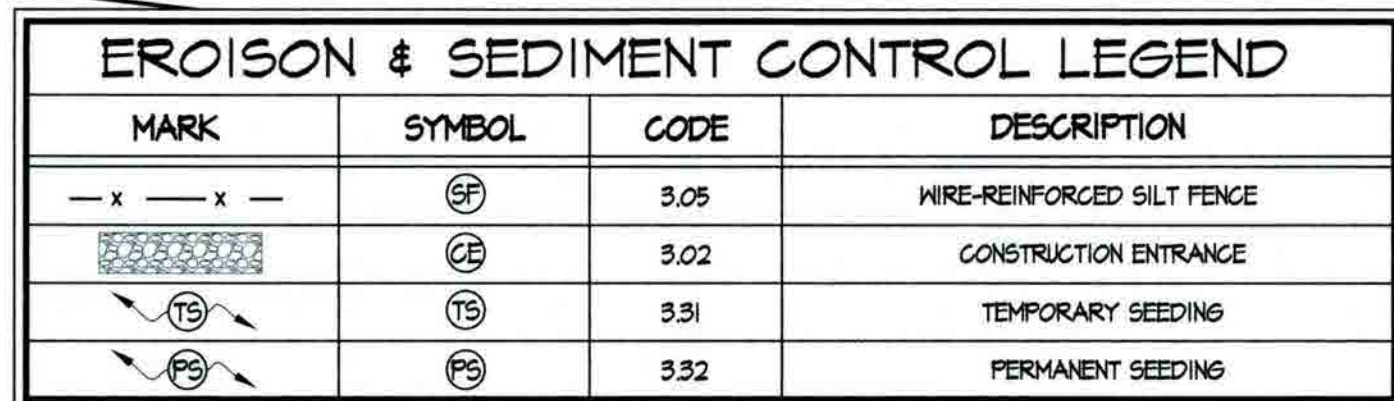
GENERAL:

1. THE PROFESSIONAL ENGINEER WHOSE SEAL IS AFFIXED HEREON SHALL ACT AS THE "RESPONSIBLE LAND DISTURBER" FOR THE PLAN REVIEW PHASE OF THIS PROJECT. ONCE THE PLANS ARE APPROVED, THE OWNER/GENERAL CONTRACTOR SHALL DESIGNATE THE "RESPONSIBLE LAND DISTURBER" AND PROVIDE THE COUNTY WITH THE NAME AND CERTIFICATION NO. OF THE "RESPONSIBLE LAND DISTURBER" FOR THE CONSTRUCTION PHASE OF THE PROJECT.
2. THIS SITE IS LOCATED WITHIN THE THE CHESAPEAKE BAY WATERSHED. THE PROJECT AREA IS ALSO LOCATED WITHIN THE LIMITS OF THE CHESAPEAKE BAY PRESERVATION ACT RPA/RMA AREAS.
3. ELEVATIONS SHOWN ARE APPROXIMATE, AND ARE BASED ON TOPOGRAPHIC SURVEY PROVIDED BY LANDTECH RESOURCES, INC. DATED 1/8/2024.
4. THE EXISTENCE AND LOCATION (HORIZONTAL AND VERTICAL) OF EXISTING UTILITIES ARE NOT GUARANTEED AND SHALL BE FIELD VERIFIED BY THE CONTRACTOR.
5. THERE ARE NO ANTICIPATED OFFSITE LAND DISTURBING AREAS ASSOCIATED WITH THE DEVELOPMENT OF THIS SITE.
6. ALL OBJECTIONABLE AND DELETERIOUS MATERIAL IS TO BE REMOVED FROM THE SITE AND DISPOSED OF IN A STATE APPROVED FACILITY MEETING ALL REQUIREMENTS OF ALL LOCAL, STATE, AND FEDERAL REGULATIONS.
7. DURING CONSTRUCTION OF THE PROJECT, SOIL STOCKPILES AND BORROW AREAS SHALL BE STABILIZED OR PROTECTED WITH SEDIMENT TRAPPING MEASURES. THE CONTRACTOR IS RESPONSIBLE FOR THE TEMPORARY PROTECTION AND PERMANENT STABILIZATION OF ALL SOIL STOCKPILES ON SITE AS WELL AS BORROW AREAS AND SOIL INTENTIONALLY TRANSPORTED FROM THE SITE.
8. ALL AREAS DISTURBED BY CONSTRUCTION SHALL BE STABILIZED WITH PERMANENT SEEDINGS IMMEDIATELY FOLLOWING FINAL GRADING. SEEDING SHALL BE DONE WITH THE MINIMUM CARE LAWN BLEND ACCORDING TO TABLE 9.32-01 OF STANDARD AND SPECIFICATION 9.32. PERMANENT SEEDING OF THE VESCH EROSION BANKS WILL BE INSTALLED OVER FILL SLOPES WHICH HAVE BEEN BROUGHT TO FINAL GRADE AND HAVE BEEN SEEDING TO PROTECT THE SLOPES FROM RILL AND GULLY EROSION TO ALLOW THE SEED TO GERMINATE PROPERLY. MULCH (STRAW OR FIBER) WILL BE USED ON RELATIVELY FLAT AREAS. IN ALL SEEDING OPERATIONS, SEED, FERTILIZER, AND LINE WILL BE APPLIED PRIOR TO MULCHING. SOIL STABILIZATION MATTING TO BE VESCH FERTILIZER TREATMENT T-4 (JUTE MESH).

JAMES CITY COUNTY STANDARD STORMWATER NOTES:

THE FOLLOWING STANDARD COUNTY NOTES SHALL BECOME PART OF ANY APPROVED EROSION AND SEDIMENT CONTROL OR STORMWATER MANAGEMENT PLAN OF DEVELOPMENT PROJECT IN JAMES CITY COUNTY, VIRGINIA. THE COUNTY'S DIVISION OF STORMWATER AND RESOURCE PROTECTION (SRP) IS DESIGNATED BY CHAPTER 8 OF THE COUNTY CODE AS THE LOCAL VIRGINIA EROSION AND SEDIMENT CONTROL PROGRAM (VESP) AUTHORITY AND THE LOCAL VIRGINIA STORMWATER MANAGEMENT PROGRAM (VSPM) AUTHORITY.

1. ALL THE PROVISIONS OF VIRGINIA EROSION AND SEDIMENT CONTROL (EASC) LAW AND REGULATIONS, THE VIRGINIA STORMWATER MANAGEMENT ACT AND REGULATIONS, THE VIRGINIA BEST MANAGEMENT PRACTICE (BMP) CLEARINGHOUSE WEBSITE, STATE EASC AND STORMWATER MANAGEMENT HANDBOOKS, AND ANY ASSOCIATED TECHNICAL BULLETINS AND GUIDANCE DOCUMENTS AS PUBLISHED BY THE STATE WATER CONTROL BOARD, THE VIRGINIA DEPARTMENT OF ENVIRONMENTAL QUALITY (DEQ), AND THE LOCAL VESCP AND VSMF AUTHORITY SHALL APPLY TO THE PROJECT.
2. MINIMUM STANDARDS NUMBERS 1 THROUGH 14 OF THE VIRGINIA EROSION AND SEDIMENT CONTROL REGULATIONS 9VAC25-840 SHALL APPLY TO THE PROJECT.
3. THE OPERATOR SHALL BE RESPONSIBLE TO REGISTER FOR CONSTRUCTION GENERAL PERMIT (CGP) COVERAGE, AS APPLICABLE, IN ACCORDANCE WITH THE GENERAL VIRGINIA POLLUTANT DISCHARGE ELIMINATION SYSTEM (VPDES) PERMIT FOR DISCHARGE OF STORMWATER FROM CONSTRUCTION ACTIVITIES (VARIO) CHAPTER 880, THE VSMF REGULATIONS CHAPTER 870, AND IN ACCORDANCE WITH THE CURRENT REQUIREMENTS OF THE VSMF, THE STATE WATER CONTROL BOARD, THE VIRGINIA DEQ, CHAPTER 8 OF THE COUNTY CODE, AND THE LOCAL VESCP/VSMF AUTHORITY.
4. THE OPERATOR SHALL PROVIDE THE NAME OF AN INDIVIDUAL HOLDING A VALID RESPONSIBLE LAND DISTURBER (RLD) CERTIFICATE ISSUED BY DEQ SIGNIFYING WHO IS RESPONSIBLE FOR CARRYING OUT THE LAND-DISTURBING ACTIVITY IN ACCORDANCE WITH THE APPROVED EASC PLAN. THE RLD MUST BE DESIGNATED ON THE EASC PLAN OR PERMIT AS A PREREQUISITE FOR ENGAGING IN LAND DISTURBANCE. THE RLD IS REQUIRED TO ATTEND THE PRE-CONSTRUCTION MEETING FOR THE PROJECT.
5. A PRE-CONSTRUCTION MEETING SHALL BE HELD ON-SITE AND INCLUDE REPRESENTATIVES FROM THE LOCAL VESCP/VSMF AUTHORITY, THE OPERATOR, THE RLD, THE CONTRACTOR, ENGINEER, AND OTHER RESPONSIBLE AGENCIES, AS APPLICABLE, PRIOR TO AUTHORIZATION AND ISSUANCE OF A LOCAL LAND DISTURBING OR STORMWATER CONSTRUCTION PERMIT. THE OPERATOR IS REQUIRED TO COORDINATE SCHEDULING OF THE PRE-CONSTRUCTION MEETINGS WITH THE JAMES CITY COUNTY (JCC) SRP DIVISION.
6. A POLLUTION PREVENTION PLAN (P2 PLAN), IF REQUIRED, SHALL BE DEVELOPED, IMPLEMENTED, AND UPDATED AS NECESSARY AND MUST DETAIL THE DESIGN, INSTALLATION, IMPLEMENTATION, AND MAINTENANCE OF EFFECTIVE POLLUTION PREVENTION MEASURES TO MINIMIZE THE DISCHARGE OF POLLUTANTS AS SPECIFIED IN 9VAC25-870-56. THIS PLAN SHALL BE AVAILABLE ON-SITE FOR REVIEW AT REASONABLE TIMES BY THE LOCAL VESCP/VSMF AUTHORITY WHEN REQUESTED.
7. OFF-SITE AREAS SHALL BE APPROVED BY THE LOCAL VESCP/VSMF AUTHORITY PRIOR TO LAND DISTURBING ACTIVITY AT THE SEPARATE LOCATION. OFF-SITE AREAS SHALL BE INCLUDED AS PART OF THE PROPOSED LAND DISTURBING ACTIVITY OR COVERED BY A SEPARATE APPROVED EASC PLAN.
8. TEMPORARY SOIL STOCKPILES SHALL COMPLY WITH THE PROVISIONS OF SECTION 24-46 OF THE COUNTY CODE.
9. LOCAL VESCP/VSMF AUTHORITY WRITTEN APPROVAL SHALL BE REQUIRED PRIOR TO DEVIATIONS FROM THE APPROVED EROSION AND SEDIMENT MEASURES, SEQUENCE OF CONSTRUCTION, OR STORMWATER MANAGEMENT PLAN. SIGNIFICANT DEVIATIONS FROM THE APPROVED PLAN MAY REQUIRE THE SUBMITTAL OF AN AMENDED PLAN FOR REVIEW AND APPROVAL.
10. PERMANENT OR TEMPORARY SOIL STABILIZATION SHALL BE APPLIED TO DENIED AREAS WITHIN SEVEN DAYS AFTER FINAL GRADE IS REACHED ON ANY PORTION OF THE SITE. TEMPORARY SOIL STABILIZATION SHALL BE APPLIED WITHIN SEVEN DAYS TO DENIED AREAS THAT MAY NOT BE AT FINAL GRADE BUT WILL REMAIN DORMANT FOR LONGER THAN 14 DAYS. PERMANENT STABILIZATION SHALL BE APPLIED TO AREAS THAT ARE TO BE LEFT DORMANT FOR MORE THAN ONE YEAR. IRRIGATION, IF NECESSARY, SHALL COMPLY WITH ALL APPLICABLE SEASONAL WATER USE RESTRICTIONS OF THE JAMES CITY SERVICE AUTHORITY.
11. FOR THE PURPOSES OF BOND REDUCTIONS OR RELEASES, FINAL STABILIZATION WILL BE DEFINED AS THE COMPLETION OF SOIL STABILIZATION ACTIVITIES AND THE ESTABLISHMENT OF A PERMANENT VEGETATIVE COVER ON DENIED AREAS NOT OTHERWISE PERMANENTLY STABILIZED. PERMANENT VEGETATION SHALL NOT BE CONSIDERED ESTABLISHED UNTIL A GROUND COVER IS ACHIEVED THAT IS UNIFORM (E.G., EVENLY DISTRIBUTED), MATURE ENOUGH TO SURVIVE, AND WILL INHIBIT EROSION.
12. DESIGN AND CONSTRUCTION OF PRIVATE STORM DRAINAGE SYSTEMS, OUTSIDE OF ANY VIRGINIA DEPARTMENT OF TRANSPORTATION (VDOT) RIGHT-OF-WAY, SHALL BE PERFORMED IN ACCORDANCE WITH THE CURRENT VERSION OF THE COUNTY'S STORMWATER DRAINAGE CONVEYANCE SYSTEMS (NON-BMP RELATED) GENERAL DESIGN AND CONSTRUCTION GUIDELINES.
13. RECORD DRAWINGS (AS-BUILTS) AND CONSTRUCTION CERTIFICATIONS ARE REQUIRED FOR ALL APPLICABLE SUBMITTER FACILITY STORMWATER MANAGEMENT BMP FACILITIES AND STORM DRAINAGE CONVEYANCE SYSTEMS. RECORD DRAWINGS AND CONSTRUCTION CERTIFICATIONS MUST MEET ESTABLISHED PROGRAM REQUIREMENTS OF THE COUNTY CODE AND THE VESCP/VSMF AUTHORITY.
14. ALL STORMWATER FACILITIES INCLUDING BMPs, STORM DRAINAGE PIPES, STORMWATER CONVEYANCES, INLETS, MANHOLES, OUTFALLS, AND ROADSIDE AND OTHER OPEN CHANNELS SHALL BE INSPECTED BY THE LOCAL VESCP/VSMF AUTHORITY, THE OWNER, AND THE APPLICANT/OPERATOR/PERMITEE DESIGNATED GEOTECHNICAL ENGINEER FOR THE PROJECT IN ACCORDANCE WITH THE ESTABLISHED COUNTY STORMWATER FACILITY INSPECTION PROGRAM REQUIREMENTS.
15. THE FINAL PROJECT CERTIFICATION PROCESS SHALL INCLUDE AN INTERNAL CLOSED-CIRCUIT TELEVISION CAMERA (CCTV) POST INSTALLATION INSPECTION PERFORMED BY THE OWNER IN ACCORDANCE WITH THE JCC CCTV ADMINISTRATIVE GUIDELINES DEVELOPED BY THE VSMF AUTHORITY.



SCALE: 1/16" = 1'-0"

ZONE:	R4 RESIDENTIAL PLANNED COMMUNITY
PARCEL ID NO.:	5130200004
OWNER:	KRUGER, SCOTT TRUSTEE & JANET R TRUS
ADDRESS:	136 JOHN NICHAM WILLIAMSBURG, VA 23185400
SITE DESCRIPTION:	L-4 NICHAMAS GRANT
PROJECT AREA:	2,088 SQ. FT (0.05 ACRES)
IMPERVIOUS COVER FOR PROJECT AREA:	

	PRE-CONSTRUCTION	POST-CONSTRUCTION	NET CHANGE
GREEN AREA	2,060 SQ. FT (91%)	1,914 SQ. FT (92%)	-146 SQ. FT (7%)
IMPERVIOUS AREA	28 SQ. FT (3%)	174 SQ. FT (8%)	146 SQ. FT (7%)
TOTAL AREA	2,088 SQ. FT (100%)	2,088 SQ. FT (100%)	0 SQ. FT (0%)

TOTAL DISTURBED AREA OUTSIDE OF RPA: 0 SQ.FT.

TOTAL DISTURBED AREA WITHIN RPA: 2,088 SQ.FT.

PROPOSED NET IMPERVIOUS AREA WITHIN RPA: 174 SQ. FT.

APPROX. CONC.	APPROXIMATE CONCRETE	REINF. RW	REINFORCEMENT RETAINING WALL
CONT.	CONTINUOUS	SIM.	SIMILAR
DIA.	DIAMETER	SS	STAINLESS STEEL
ELEV.	ELEVATION	SQFT.	SQUARE FEET
EQ.	EQUAL	STA.	STATION
EX.	EXISTING	TYP.	TYPICAL
HORIZ.	HORIZONTAL	TOW	TOP OF WALL
MAX.	MAXIMUM	W	WITH
MIN.	MINIMUM	W/F	WELDED WIRE FABRIC
NO.	NUMBER	V.F.T	VERIFY IN FIELD
O.C.	ON CENTER	VERT.	VERTICAL

IN ORDER TO REMEDIATE AN EXISTING DETERIOATED TIMBER RETAINING WALL AND SITE EROSION, THIS PROJECT INCLUDES THE REMOVAL AT THE EXISTING DETERIOATED TIMBER RETAINING WALL AND THE CONSTRUCTION OF NEW SECTION & EXTENSION OF THE SEGMENTAL BLOCK RETAINING WALLS ALONG THE LEFT ELEVATION OF THE RESIDENCE.

1. INSTALL SILT FENCE DOWN SLOPE OF ALL AREAS TO BE DISTURBED AND INSTALL TEMPORARY CONSTRUCTION ENTRANCE.
2. INSTALL TEMPORARY SHORING
3. REMOVAL OF EXISTING TIMBER RETAINING WALL.
4. CONSTRUCT LOWER SEGMENTAL BLOCK RETAINING WALLS & GEO-GRID REINFORCING, BACKFILL MATERIAL TO BE COMPACTED TO 95% STANDARD PROCTOR DENSITY IN MAXIMUM 8" LIFTS
5. STABILIZE ALL RE-GRADED AND DENuded EARTH IN ACCORDANCE WITH GENERAL NOTE NO. 8 ON SHEET SI.
6. CONSTRUCT UPPER SEGMENTAL BLOCK RETAINING WALLS & GEO-GRID REINFORCING, BACKFILL MATERIAL TO BE COMPACTED TO 95% STANDARD PROCTOR DENSITY IN MAXIMUM 8" LIFTS
7. STABILIZE ALL RE-GRADED AND DENuded EARTH IN ACCORDANCE WITH GENERAL NOTE NO. 8 ON SHEET SI.
8. INSTALL REQUIRED SHRUBBERY/PEDESTRIAN GUARD ASSEMBLY/FENCING ALONG TOP OF THE WALL.
9. REMOVE SILT FENCE AND TEMPORARY CONSTRUCTION ENTRANCE UPON WRITTEN NOTIFICATION FROM JAMES CITY COUNTY INSPECTOR.



SCALE: 1/4"=900'



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- III - 24
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- DETAIL**
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- SILT FENCE W/ WIRE SUPPORT
- SCALE: NTS
- VESCH 3.6

