

EROSION & SEDIMENT CONTROL SHEET NOTES:

1. THIS DRAWING IS INTENDED TO SHOW THE PERIMETER EROSION & SEDIMENT CONTROL (E&SC) MEASURES REQUIRED DURING THE CLEARING, GRUBBING, AND GRADING OPERATIONS ASSOCIATED WITH THE CONSTRUCTION OF THE STORM DRAINAGE SYSTEM, UTILITIES, AND OTHER SITE IMPROVEMENTS.
2. REFER TO SHEET EC-2 FOR EROSION & SEDIMENT CONTROL PLAN - STAGE II. REFER TO SHEET EC-3 FOR EROSION & SEDIMENT CONTROL (E&SC) NARRATIVE AND REFER TO SHEETS EC-4 FOR GENERAL SEQUENCE OF WORK AND LISTING OF MINIMUM STANDARDS.
3. REFER TO SHEETS EC-5 TO EC-7 FOR STANDARD E&SC DETAILS AND DESIGN SUMMARY DATA.
4. WHERE APPLICABLE, THIS SHEET SHOWS THE DRAINAGE AREAS (DIVIDES) AND THE TOTAL AREA (IN ACRES) DRAINING TO CRITICAL E&SC CONTROL MEASURES. THE AREAS DENOTED REPRESENT THE MAXIMUM AREA DRAINING TO A GIVEN MEASURE.
5. WHERE APPLICABLE, THIS DRAWING SHOWS THE TYPES AND APPROXIMATE LIMITS OF SOILS ANTICIPATED TO BE ENCOUNTERED ON THE SITE. ALL SOIL DATA IS TAKEN FROM UNITED STATES DEPARTMENT OF AGRICULTURE - NATURAL RESOURCES CONSERVATION SERVICES - NATIONAL COOPERATIVE SOIL SURVEY PUBLICATIONS. SEE COPY OF SOIL MAP ON SHEET EC-7.
6. A CERTIFIED RESPONSIBLE LAND DISTURBER (RLD) SHALL OVERSEE AND BE INVOLVED IN ALL ASPECTS OF THE LAND DISTURBANCE ACTIVITIES (FROM INITIAL LAND DISTURBANCE THROUGH FINAL STABILIZATION). THE NAME OF THE RLD SHALL BE PROVIDED TO ROANOKE COUNTY AT OR PRIOR TO THE PRECONSTRUCTION CONFERENCE. THIS PERSON SHALL ATTEND THE PRECONSTRUCTION CONFERENCE AND PROVIDE ROANOKE COUNTY WITH A COPY OF HIS RLD CERTIFICATE.
7. THE WORK OF THE PROJECT INVOLVES LAND DISTURBANCES OF MORE THAN ONE (1) ACRE. THE VIRGINIA DEPARTMENT OF CONSERVATION AND RECREATION (DCR) SHALL REQUIRE THE WORK BE PERMITTED IN ACCORDANCE WITH THE PROVISIONS OF GENERAL PERMIT FOR DISCHARGES OF STORMWATER FROM CONSTRUCTION ACTIVITIES - AUTHORIZATION TO DISCHARGE UNDER THE VIRGINIA STORMWATER MANAGEMENT PROGRAM (VSMP) AND THE VIRGINIA STORMWATER MANAGEMENT ACT. THE OWNER/DEVELOPER HAS APPLIED FOR COVERAGE UNDER THE "VSMP GENERAL PERMIT FOR STORMWATER DISCHARGES FROM CONSTRUCTION ACTIVITIES (VAR10)". EVIDENCE OF COVERAGE UNDER THE "VSMP GENERAL PERMIT" MUST BE PROVIDED TO ROANOKE COUNTY PRIOR TO BEGINNING ANY LAND DISTURBANCE ON THE PROPERTY. A COPY OF THE "VSMP GENERAL PERMIT" AND THE "STORMWATER POLLUTION PREVENTION PLAN (SWPPP)" MUST BE KEPT ON THE JOB SITE AT ALL TIMES AND THE "VSMP GENERAL PERMIT COVERAGE LETTER" MUST BE POSTED AT THE PROJECT SITE.

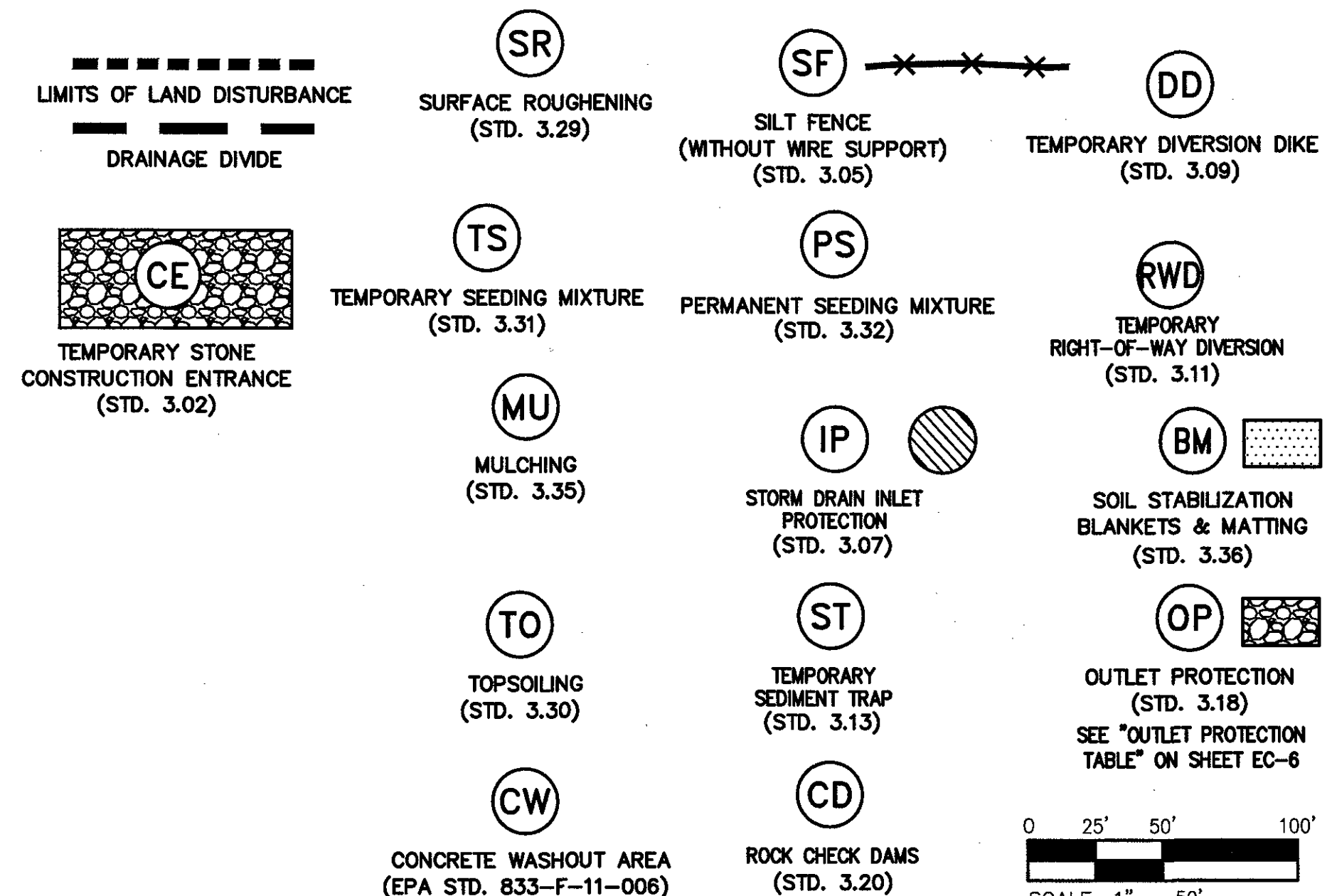
EROSION & SEDIMENT CONTROL GENERAL NOTES:

1. THESE EROSION AND SEDIMENT CONTROL (E&SC) SHEETS SHOW E&SC MEASURES WHICH ARE TO BE CONSTRUCTED DURING THE SITE GRADING AND CONSTRUCTION. REFER TO THE FOLLOWING SHEETS FOR EROSION AND SEDIMENT CONTROL NARRATIVE, SEQUENCE OF WORK, DETAILS, AND DESIGN DATA.
2. ALL SPECIFIED AND/OR REQUIRED E&SC MEASURES SHALL BE INSTALLED AND MAINTAINED IN STRICT ACCORDANCE WITH THE REQUIREMENTS AND SPECIFICATIONS CONTAINED WITHIN THE "VIRGINIA EROSION AND SEDIMENT CONTROL HANDBOOK", LATEST EDITION.
3. UNLESS OTHERWISE NOTED IN THE E&SC NARRATIVE, SEDIMENT TRAPS SHALL BE CONSTRUCTED AS A FIRST STEP IN ANY LAND DISTURBING ACTIVITY AND SHALL BE MADE FUNCTIONAL BEFORE UPSLOPE LAND DISTURBANCE TAKES PLACE.
4. STABILIZATION MEASURES SHALL BE APPLIED TO EARTHEN STRUCTURES SUCH AS DAMS, DIKES, AND DIVERSIONS IMMEDIATELY AFTER INSTALLATION.
5. IF OFF-SITE FILL OR BORROW AREAS ARE TO BE USED, THE LOCATION OF OFF-SITE FILL OR BORROW AREAS WILL BE PROVIDED TO THE ROANOKE COUNTY EROSION AND SEDIMENT CONTROL ADMINISTRATOR. AN EROSION AND SEDIMENT CONTROL PLAN FOR THE FILL/BORROW SITES SHALL BE SUBMITTED AND APPROVED PRIOR TO THE ISSUANCE OF A LAND DISTURBANCE PERMIT FOR SAID FILL/BORROW SITE.
6. 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 PROJECT SITE.
7. PERMANENT OR TEMPORARY SOIL STABILIZATION MEASURES SHALL BE APPLIED TO DENUDED AREAS WITHIN SEVEN (7) DAYS AFTER FINAL GRADE IS REACHED ON ANY PORTION OF THE SITE.
8. TEMPORARY SOIL STABILIZATION MEASURES SHALL BE APPLIED WITHIN SEVEN (7) DAYS TO DENUDED AREAS THAT MAY NOT BE AT FINAL GRADE BUT WILL REMAIN DORMANT FOR LONGER THAN THIRTY (30) DAYS. PERMANENT STABILIZATION MEASURES SHALL BE APPLIED TO AREAS THAT ARE TO BE LEFT DORMANT FOR MORE THAN ONE YEAR.
9. PERMANENT SEEDING APPLIED TO ALL MECHANICALLY STABILIZED SLOPES AND SLOPES STEEPER THAN 3:1 AND SHALL MEET THE FOLLOWING SEED MIXTURE:

POUNDS PER ACRE	SEED TYPE
108	KENTUCKY 31
2	RED TOP
20	SEASONAL NURSE CROP (ANNUAL RYE, FOXTAIL MILLET, & WINTER RYE MIX)
20	CROWN VETCH
10. ALL AREAS DISTURBED BY THE WORK OF THIS PROJECT SHALL BE STABILIZED BY EITHER THE CONSTRUCTION OF A PERMANENT SURFACE SUCH AS CURB, PAVEMENT, OR CONCRETE SIDEWALK, OR STABILIZED BY MEANS OF PERMANENT SEEDING OR ANOTHER APPROVED STABILIZATION METHOD.
11. FOLLOWING THE COMPLETION OF SITE DEVELOPMENT CONSTRUCTION/GRADING, CONFIRMED STABILIZATION OF ALL DISTURBED AREAS, CONFIRMATION THAT EROSION OR SEDIMENTATION IS NO LONGER OCCURRING ON THE PROJECT SITE OR AT ITS BOUNDARIES, CONFIRMATION THAT DRAINAGE FLOWS ARE FUNCTIONING ACCORDING TO DESIGN, AND APPROVAL HAS BEEN GRANTED BY THE ROANOKE COUNTY EROSION AND SEDIMENT CONTROL INSPECTOR, THE CONTRACTOR MAY THEN BEGIN TO REMOVE THE TEMPORARY EROSION AND SEDIMENT CONTROL DEVICES. THIS WORK SHALL BE DONE IN A CAREFUL, NEAT, AND ORGANIZED MANNER.

SOIL DATA TABULATIONS						
MAP UNIT SYMBOL	SOIL NAME	SOIL CLASSIFICATION (UNIFIED)	HYDROLOGIC SOIL GROUP	EROSION FACTOR "K"	T-FACTOR	ERODIBILITY INDEX (EI)
18B	FREDERICK SILT LOAM, 2 TO 8 PERCENT SLOPES	CH, CL, CL-ML, SC	B	0.37	5	48
18C	FREDERICK SILT LOAM, 8 TO 15 PERCENT SLOPES	CH, CL, CL-ML, SC	B	0.37	5	48

EROSION & SEDIMENT CONTROL SYMBOLS LEGEND

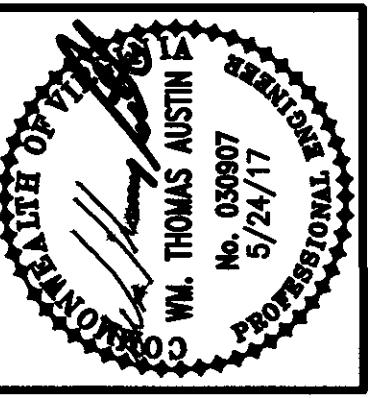


MS-16 STANDARDS

LEGEND

MS-16

COMPLY WITH MINIMUM STANDARD 16 AS SHOWN ON SHEET EC-4 WHILE EXCAVATING FOR STORM DRAIN PIPE AND DITCH.



Revisions	Date	Comments
0	10/06/17	RESPONSE TO 1ST REVIEW COMMENTS

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THE VILLAGE AT TINKER CREEK - PHASE IIB
EROSION & SEDIMENT CONTROL PLAN
- STAGE I -
ROANOKE COUNTY, VIRGINIA

Vertical Scale: N/A
Horizontal Scale: 1" = 50'
Commission Number: 1966-P4
Sheet No.: **EC-1**