

MINIMUM STANDARDS THE FOLLOWING STANDARDS ARE TO BE PROVIDED OR ADDRESSED ON EVERY DEVELOPMENT PROJECT EXCEEDING 5000 S.F. IN AREA OF DISTURBANCE THESE STANDARDS ARE CONSIDERED A MINIMUM AND MAY REQUIRE ADDITIONAL MEASURES AS DEEMED NECESSARY BY THE LOCAL APPROVING AUTHORITY OR THE CONSULTING ENGINEER. CRITERIA, TECHNIQUE OR METHOD PRACTICES PROVIDED ROGER I. STURGILL PERMANENT OR TEMPORARY SOIL STABILIZATION SHALL BE APPLIED TO DENUDED AREAS WITHIN SEVEN (7) DAYS AFTER FINAL TS PS MU GRADE HAS BEEN REACHED ON ANY PORTION OF THE SITE. TEMPORARY SOIL STABILIZATION SHALL BE APPLIED WITHIN SEVEN (7) DAYS TO DENUDED AREAS THAT MAY BE AT FINAL GRADE BUT WILL REMAIN DORMANT (UNDISTURBED) FOR LONGER THAN THIRTY (30) DAYS. PERMANENT STABILIZATION SHALL BE APPLIED TO AREAS THAT ARE TO BE LEFT DORMANT FOR MORE FOR ALL DENUDED AREAS THAN ONE (1) YEAR. DURING CONSTRUCTION OF THE PROJECT, SOIL STOCKPILES 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 SOIL INTENTIONALLY TRANSPORTED FROM THE PROJECT SITE. FOR PROVIDED STOCKPILE A PERMANENT VEGETATIVE COVER SHALL BE ESTABLISHED ON DENUDED AREAS NOT OTHERWISE PERMANENTLY STABILIZED. TS PS MU PERMANENT VEGETATION SHALL NOT BE CONSIDERED ESTABLISHED UNTIL A GROUND COVER IS ACHIEVED THAT, IN THE OPINION OF THE LOCAL PROGRAM ADMINISTRATOR OR DESIGNATED AGENT, IS UNIFORM, MATURE ENOUGH TO SURVIVE AND WILL INHIBIT EROSION. FOR ALL DENUDED AREAS SEDIMENT BASINS AND TRAPS, PERIMETER DIKES, SEDIMENT BARRIERS AND OTHER MEASURES INTENDED TO TRAP SEDIMENT (SB) SHALL BE CONSTRUCTED AS A FIRST STEP IN ANY LAND-DISTURBING ACTIVITY AND SHALL BE MADE FUNCTIONAL BEFORE UPSLOPE LAND DISTURBANCE TAKES PLACE. FOR ALL DRAINAGE DIVIDES TS PS MU STABILIZATION METHODS SHALL BE APPLIED TO EARTHEN STRUCTURES SUCH AS DAMS, DIKES AND DIVERSIONS IMMEDIATELY AFTER INSTALLATION. REFLECTING TOMORROY FOR ALL EARTHEN STRUCTURES www.balzer.cc PLANNERS • ARCHITECTS SEDIMENT TRAPS AND BASINS SHALL BE DESIGNED AND CONSTRUCTED BASED UPON THE TOTAL DRAINAGE AREA TO BE EXISTING ESC PERMIT ENGINEERS • SURVEYORS SERVED BY THE TRAP OR BASIN. 1208 Corporate Circle TS PS MU CUT AND FILL SLOPES SHALL BE CONSTRUCTED IN A MANNER THAT WILL MINIMIZE EROSION. SLOPES THAT ARE FOUND TO BE Roanoke, Virginia 24018 Phone: 540/772-9580 ERODING EXCESSIVELY WITHIN ONE (1) YEAR OF PERMANENT STABILIZATION SHALL BE PROVIDED WITH ADDITIONAL SLOPE STABILIZATION MEASURES UNTIL THE PROBLEM IS CORRECTED FAX: 540/772-8050 FOR ALL ERODING SLOPES CONCENTRATED RUNOFF SHALL NOT FLOW DOWN CUT OR FILL SLOPES UNLESS CONTAINED WITHIN AN ADEQUATE TEMPORARY Richmond, Virginia 23236 OR PERMANENT CHANNEL, FLUME OR SLOPE DRAIN STRUCTURE Phone: 804/794-0571 OULD SEEPS OCCUR IN ANY EXISTING OR NEW CUT FAX: 804/794-2635 FILL SLOPE, THE CONTRACTOR SHALL FIRST INSURE THAT THERE ARE NOT AREAS OF PONDED WATER AT THE TOPS (THE SLOPES, AND THEN SHALL CONTACT BOTH THE DESIGN ENGINEER AND THE PROJECT GEOTECHNICAL ENGINEER FOR ON—SITE EVALUATION OF THE AREAS OF SEEPAGE. WHENEVER WATER SEEPS FROM A SLOPE FACE, ADEQUATE DRAINAGE OR OTHER PROTECTION SHALL BE PROVIDED. 880 Technology Park Drive Glen Allen, Virginia 23059 Phone: 804/553-0132 ALL STORM SEWER INLETS THAT ARE MADE OPERABLE DURING CONSTRUCTION SHALL BE PROTECTED SO THAT FAX: 804/553-0133 SEDIMENT-LADEN WATER CANNOT ENTER THE CONVEYANCE SYSTEM WITHOUT FIRST BEING FILTERED OR OTHERWISE TREATED TO REMOVE SEDIMENT. FOR ALL STORM WATER INTAKES 448 Peppers Ferry Road Christiansburg, Virginia 24073 Phone: 540/381-4290 BEFORE NEWLY CONSTRUCTED STORMWATER CONVEYANCE CHANNELS ARE MADE OPERATIONAL, ADEQUATE OUTLET PROTECTION FAX: 540/381-4291 AND ANY REQUIRED TEMPORARY OR PERMANENT CHANNEL LINING SHALL BE INSTALLED IN BOTH THE CONVEYANCE CHANNEL AND RECEIVING CHANNEL. FOR ALL STORMWATER OUTLETS 1557 Commerce Road Suite 201 Verona, Virginia 24482 Phone: 540/248-3220 WHEN WORK IN A LIVE WATERCOURSE IS PERFORMED, PRECAUTIONS SHALL BE TAKEN TO MINIMIZE ENCROACHMENT, CONTROL FAX: 540/248-3221 NOT APPLICABLE SEDIMENT TRANSPORT AND STABILIZE THE WORK AREA TO THE GREATEST EXTENT POSSIBLE DURING CONSTRUCTION. NONERODIBLE MATERIAL SHALL BE USED FOR THE CONSTRUCTION OF CAUSEWAYS AND COFFERDAMS. EARTHEN FILL MAY BE NO STREAMS ON-SITE USED FOR THESE STRUCTURES IF ARMORED BY NONERODIBLE COVER MATERIALS.

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NOT APPLICABLE

NO STREAMS ON-SITE

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NO STREAMS ON-SITE

NOT APPLICABLE

ALL UTILITY PIPING ON-SITE

(CE)

FOR ALL POINTS OF INGRESS/EGRESS

TS PS MU

SELF-EXPLANATORY

SEE SUPPLEMENTAL CALCULATIONS,

PERMANENT SWM FACILITY PROVIDED

DEPTH AS INDICATED

- NEW TRAPEZOIDAL CHANNEL

REFER TO PLANS FOR LINING

TYPE 'B' DITCH

- NEW VEE-DITCH

REFER TO PLANS FOR LINING

BY PLANS, MIN. 1' REQD.

No. 033058

DRAWN BY: DESIGNED BY: SMH CHECKED BY: RIS 04/07/05

> 05/13/05 06/07/05 07/28/05 09/06/05 11/22/05

NO SCALE SCALE:

SHEET NO.

R0400192.01

REVISIONS:

08/08/06 09/21/06 10/12/06