

1. CONTRACTOR RESPONSIBLE FOR FOLLOWING WESTERN VIRGINIA WATER AUTHORITY EROSION AND SEDIMENT CONTROL STANDARDS AS APPROVED FOR UTILITY LINE CONSTRUCTION.
2. ALL EROSION AND SEDIMENT CONTROL MEASURES ARE TO BE INSTALLED PRIOR TO OR AS THE FIRST STEP IN CLEARING/GRADING.
3. TO THE EXTENT POSSIBLE, GRADING IS TO BE PERFORMED IN SEQUENCE TO MINIMIZE TOTAL DISTURBED AREA AND CHANNEL RUNOFF TO STORMWATER CONVEYANCE DITCHES.
4. TEMPORARY OR PERMANENT SEEDING IS TO BE INSTALLED ON ALL DENUDED AREAS LEFT UNDISTURBED MORE THAN SEVEN DAYS.
5. CONTRACTOR IS TO BE RESPONSIBLE FOR THE REMOVAL OF ALL TEMPORARY SOIL STABILIZATION MEASURES ONCE STABILIZATION HAS BEEN ACHIEVED.
6. MISS UTILITY LOCATOR SERVICE (1-800-552-7001) TO BE CONTACTED AT LEAST SEVENTY-TWO HOURS PRIOR TO DIGGING.
7. ALL TEMPORARY DITCHES AND SILT FENCES ARE TO BE REMOVED ONCE STABILIZATION HAS BEEN ACHIEVED.

ES-1: UNLESS OTHERWISE INDICATED, ALL VEGETATIVE AND STRUCTURAL EROSION AND SEDIMENT CONTROL PRACTICES WILL BE CONSTRUCTED AND MAINTAINED ACCORDING TO MINIMUM STANDARDS AND SPECIFICATIONS OF THE VIRGINIA EROSION AND SEDIMENT CONTROL HANDBOOK AND VIRGINIA REGULATIONS VR 625-02-00 EROSION AND SEDIMENT CONTROL REGULATIONS.

ES-3: ALL EROSION AND SEDIMENT CONTROL MEASURES ARE TO BE PLACED PRIOR TO OR AS THE FIRST STEP IN CLEARING.

ES-5: PRIOR TO COMMENCING LAND DISTURBING ACTIVITIES IN AREAS OTHER THAN INDICATED ON THESE PLANS (INCLUDING, BUT NOT LIMITED TO, OFF-SITE BORROW OR WASTE AREAS), THE CONTRACTOR SHALL SUBMIT A SUPPLEMENTARY EROSION CONTROL PLAN TO THE OWNER FOR REVIEW AND APPROVAL BY THE PLAN APPROVING AUTHORITY.

ES-7: SITE GRADING IS TO DRAIN TO THE STORMWATER CONVEYANCE DITCHES AT ALL TIMES DURING LAND DISTURBING ACTIVITIES AND DURING SITE DEVELOPMENT UNTIL FINAL STABILIZATION IS ACHIEVED.

MINIMUM STANDARDS FOR CONTROLLING EROSION AND SEDIMENT

PERMANENT OR TEMPORARY SOIL STABILIZATION SHALL BE APPLIED TO DENUDED 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 DENUDED AREAS THAT MAY NOT BE AT FINAL GRADE BUT WILL REMAIN DORMANT FOR LONGER THAN 30 DAYS. PERMANENT STABILIZATION SHALL BE APPLIED TO AREAS THAT ARE TO BE LEFT DORMANT FOR MORE THAN ONE YEAR.

A PERMANENT VEGETATIVE COVER SHALL BE ESTABLISHED ON DENUDED AREAS NOT OTHERWISE PERMANENTLY STABILIZED. PERMANENT VEGETATION SHALL NOT BE CONSIDERED ESTABLISHED UNTIL A GROUND COVER IS ACHIEVED THAT, IS UNIFORM, MATURE ENOUGH TO SURVIVE AND WILL INHIBIT EROSION.

SEDIMENT BASINS AND TRAPS, PERIMETER DIKES, SEDIMENT BARRIERS AND OTHER MEASURES INTENDED TO TRAP SEDIMENT SHALL BE CONSTRUCTED AS A FIRST STEP IN ANY LAND-DISTURBING ACTIVITY AND SHALL BE MADE FUNCTIONAL BEFORE UPSLOPE LAND DISTURBANCE TAKES PLACE.

SEDIMENT TRAPS AND SEDIMENT BASINS SHALL BE DESIGNED AND CONSTRUCTED BASED UPON THE TOTAL DRAINAGE AREA TO BE SERVED BY THE TRAP OR BASIN.

PROPERTIES AND WATERWAYS DOWNSTREAM FROM DEVELOPMENT SITES SHALL BE PROTECTED FROM SEDIMENT DEPOSITION, EROSION AND DAMAGE DUE TO INCREASES IN VOLUME, VELOCITY AND PEAK FLOW RATE OF STORMWATER RUNOFF FOR THE STATED FREQUENCY STORM OF 24-HOUR DURATION. CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING A COPY OF THE APPROVED EROSION AND SEDIMENT CONTROL PLAN AND ADHERE TO SAME. THE VIRGINIA EROSION AND SEDIMENT CONTROL HANDBOOK SHALL BE USED IN ADDITION TO THE APPROVED NARRATIVE AND PLAN.

CIP) CONSTRUCTION OF SILT FENCE CULVERT INLET PROTECTION

LIME: 140 LB / 1000 SF PULVERIZED AGRICULTURAL LIMESTONE
FERTILIZER: 5-20-10 • 25 LB / 1000 SF
7 LB / 1000 SF

MULCH: IF REQUIRED, SHALL BE USED OVER ALL SEEDED AREAS AND SHALL BE APPLIED IN ACCORDANCE WITH SECTION 1.75 OF THE VIRGINIA EROSION AND SEDIMENT CONTROL HANDBOOK, LATEST EDITION.

SOIL CONDITIONING:
INCORPORATION OF LIME AND FERTILIZER, SELECTION OF CERTIFIED SEED, MULCHING, MAINTENANCE OF NEW SEEDLINGS, AND RESEEDING SHALL BE IN ACCORDANCE WITH SPECIFICATIONS CONTAINED WITHIN THE VIRGINIA SOIL EROSION AND SEDIMENT CONTROL HANDBOOK, LATEST EDITION. ADDITIONAL SEEDING TO BE PERFORMED AS REQUIRED BY THE INSPECTOR.

SEED APPLICATION: APPLY SEED UNIFORMLY WITH A CYCLONE SEEDER, DRILL, CULTIPACKER SEEDER, OR HYDROSEEDER ON A FIRM, FRABLE, SEEDBED. MAXIMUM SEEDING DEPTH SHALL BE 1/4 INCH.

TOTAL DISTURBED AREA = AC. = SQ. FT.

PROJECT: ROANOKE/FRANKLIN COUNTY WATERLINE EXTENSION PHASE I-A U.S. ROUTE 220 ROANOKE COUNTY, VA		DATE: 8/12/08
TITLE: EROSION AND SEDIMENT CONTROL DETAILS		DRAWING NUMBER: D1
DRAWING NAME: DETAIL SHEET.dwg	SCALE: NO SCALE	SHEET NUMBER: 8 of 9