



| NO. | TITLE | KEY | SYMBOL | NO. | TITLE | KEY | SYMBOL |
|------|--|-------|--------|------|--|---------|--------|
| 3.01 | SAFETY FENCE | (SAF) | | 3.20 | ROCK CHECK DAMS | (CD) | |
| 3.02 | TEMPORARY GRAVEL CONSTRUCTION ENTRANCE | (CE) | | 3.21 | LEVEL SPREADER | (LS) | |
| 3.03 | CONSTRUCTION ROAD STABILIZATION | (CRS) | | 3.22 | VEGETATIVE STREAMBANK STABILIZATION | (VSS) | |
| 3.04 | STRAW BALE BARRIER | (STB) | | 3.23 | STRUCTURAL STREAMBANK STABILIZATION | (SSS) | |
| 3.05 | SILT FENCE | (SF) | | 3.24 | TEMPORARY VEHICULAR STREAM CROSSING | (VSC) | |
| 3.06 | BRUSH BARRIER | (BB) | | 3.25 | UTILITY STREAM CROSSING | (JSC) | |
| 3.07 | STORM DRAIN INLET PROTECTION | (IP) | | 3.26 | DEWATERING STRUCTURE | (DS) | |
| 3.08 | CULVERT INLET PROTECTION | (CIP) | | 3.27 | TURBIDITY CURTAIN | (TC) | |
| 3.09 | TEMPORARY DIVERSION DIKE | (DD) | | 3.28 | SUBSURFACE DRAIN | (SD) | |
| 3.10 | TEMPORARY FILL DIVERSION | (FD) | | 3.29 | SURFACE ROUGHENING | (SR) | |
| 3.11 | TEMPORARY RIGHT-OF-WAY DIVERSION | (RWI) | | 3.30 | TOPSOILING | (TO) | |
| 3.12 | DIVERSION | (DV) | | 3.31 | TEMPORARY SEEDING | (TS) | |
| 3.13 | TEMPORARY SEDIMENT TRAP | (ST) | | 3.32 | PERMANENT SEEDING | (PS) | |
| 3.14 | TEMPORARY SEDIMENT BASIN | (SB) | | 3.33 | SODDING | (SD) | |
| 3.15 | TEMPORARY SLOPE DRAIN | (TSB) | | 3.34 | BERMUDA GRASS AND ZOYSIA GRASS ESTABLISHMENT | (B/W) | |
| 3.16 | PAVED FLUME | (PF) | | 3.35 | MULCHING | (MU) | |
| 3.17 | STORMWATER CONVEYANCE CHANNEL | (SCC) | | 3.36 | SOIL STABILIZATION BLANKETS AND MATTING | (BS/ZE) | |
| 3.18 | OUTLET PROTECTION | (OP) | | 3.37 | TREES, SHRUBS, VINES AND GROUND COVERS | (VEG) | |
| 3.19 | RIPRAP | (RR) | | 3.38 | TREE PRESERVATION AND PROTECTION | (TP) | |
| | | | | 3.39 | DUST CONTROL | (DC) | |

TEMPORARY SEEDING SHALL BE APPLIED WITHIN SEVEN DAYS TO ANY DISTURBED SURFACE THAT WILL NOT BE BROUGHT TO FINAL GRADE FOR A PERIOD OF MORE THAN 30 DAYS TO REDUCE DAMAGE FROM SEDIMENT AND RUNOFF TO DOWNSTREAM OR OFF-SITE AREAS, AND TO PROVIDE PROTECTION TO BARE SOILS EXPOSED DURING CONSTRUCTION UNTIL PERMANENT VEGETATION OR OTHER EROSION CONTROL MEASURES CAN BE ESTABLISHED.

ALL AREAS DISTURBED BY CONSTRUCTION WILL BE STABILIZED WITH PERMANENT SEEDING WITHIN 7 DAYS OR IMMEDIATELY FOLLOWING FINISH GRADING. SEEDING WILL BE DONE ACCORDING TO STANDARD AND SPECIFICATION 3.32 OF THE VIRGINIA EROSION AND SEDIMENT CONTROL HANDBOOK. PERMANENTLY SEEDER AREAS SHALL BE PROTECTED DURING ESTABLISHMENT WITH STRAW MULCH.

ACCOMPANY THE INSPECTOR (S)
Permanent Seeding:

Minimum Care Lawn: _____ Total Lb.
Per Acre

Minimum Care Lawn: _____ Total Lb.
Per Acre

| | |
|--------------------------------------|-----------------|
| Commercial or Residential | 200-250 Lb/Acre |
| Kentucky 31 or turf type tall fescue | 90-100% |
| Improved perennial rye grass* | 0-10% |
| Kentucky Bluegrass | 0-10% |

High Maintenance Lawn:
Minimum of three (3) up to five (5) varieties
of blue grass from approved list for use in VA 125 Lb./Ac.

General Slope (3:1 or Less):

| | |
|-----------------------|-------------|
| Kentucky 31 Fescue | 128 Lb./Ac. |
| Red Top Grass | 2 Lb./Ac. |
| Seasonal Nurse Crop** | 20 Lb./Ac. |
| 150 Lb./Ac. | |

Low Maintenance Slope (Steeper than 3:1)

| | |
|-----------------------|-------------|
| Kentucky 31 Fescue | 108 Lb./Ac. |
| Red Top Grass | 2 Lb./Ac. |
| Seasonal Nurse Crop** | 20 Lb./Ac. |
| Crownvetch*** | 20 Lb./Ac. |
| 150 lb./Ac. | |

*Perennial rye grass will germinate faster and at a lower soil temperature than fescue, thereby providing cover and erosion resistance for seedbed.

****Use seasonal nurse crop in accordance with seeding dates as stated below:**

| | |
|--------------------------------|----------------|
| March, April thru May 15..... | Annual Rye |
| May 16th thru August 15th..... | Foxtail Millet |
| August 16 thru Sept. Oct..... | Annual Rye |
| Nov. Thru Feb..... | Winter Rye |

***If Flatpea is used, increase to 30 Lb./Acre. All legume seed must be properly inoculated: Weeping Lovegrass may also be included in any slope or low maintenance mixture during warmer seedling periods; add 10-20 Lb./acre in mixes.

Lime shall be applied at a rate of 2 tons/acre pulverized agricultural grade limestone (90 lbs/1000 ft²)

Fertilizer shall be applied at a rate of 1000 lbs/acre 10-20-10 or equivalent nutrients (23 lbs/ 1000ft²)

Straw mulch shall be applied to all permanently seeded areas at a rate of ninety (90) pounds per one thousand square feet over the seeded area. Straw mulch shall be anchored or tacked down with string or other approved materials.

The contractor shall inspect seeded areas 2 weeks after seeding, at which time sparse areas shall be prepared and reseeded to establish permanent cover on all disturbed areas.

Permanent seeding shall be in accordance with specification 3.32 of the 1992 Virginia Erosion & Sediment Control Handbook.

WVWA ID# 6PVJHL

**BOTETOURT COUNTY
EROSION AND
SEDIMENT CONTROL
DETAILS**

**THE ORCHARDS
SECTION No. 2
CORTLAND MEADOWS**

| REVIEWS | | DESCRIPTION |
|---------|------|-------------|
| NO. | DATE | |
| 1 | | |
| 2 | | |
| 3 | | |
| 4 | | |
| 5 | | |

DATE: 6 JUNE 2002

SCALE:

AS SHOWN

COMMISSION NO: 01-307

CADD FILE: 0307ENG-DEV PLANS\0307COMP

SHEET 11 OF 12