*General Erosion and Sediment Control Notes,*
*Roanoke County, Virginia*

*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-2: THE PLAN APPROVING AUTHORITY MUST BE NOTIFIED ONE WEEK PRIOR TO THE ONSITE PRECONSTRUCTION CONFERENCE, ONE WEEK PRIOR TO THE COMMENCEMENT OF LAND DISTURBING ACTIVITY, AND ONE PRIOR TO THE FINAL INSPECTION.*

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

*ES-4: A COPY OF THE APPROVED EROSION AND SEDIMENT CONTROL PLAN AND NARRATIVE, AS WELL AS A COPY OF THE LAND DISTURBING PERMIT, SHALL BE MAINTAINED ON THE SITE AT ALL TIMES. THE EROSION AND SEDIMENT CONTROL ADMINISTRATOR WILL DELIVER THESE MATERIALS AT THE ONSITE PRECONSTRUCTION CONFERENCE.*

*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-6: THE CONTRACTOR IS RESPONSIBLE FOR INSTALLATION OF ANY ADDITIONAL EROSION CONTROL MEASURES NECESSARY TO PREVENT EROSION AND SEDIMENTATION AS DETERMINED BY THE PLAN APPROVING AUTHORITY.*

*ES-7: ALL DISTURBED AREAS ARE TO DRAIN TO APPROVED SEDIMENT CONTROL MEASURES AT ALL TIMES DURING THE LAND DISTURBING ACTIVITIES AND DURING SITE DEVELOPMENT UNTIL FINAL STABILIZATION IS ACHIEVED.*

*ES-8: DURING DEWATERING OPERATION, WATER WILL BE PUMPED INTO AN APPROVED FILTERING DEVICE.*

*ES-9: THE CONTRACTOR SHALL INSPECT ALL EROSION CONTROL MEASURES PERIODICALLY AND AFTER EACH RUNOFF-PRODUCING RAINFALL EVENT. ANY NECESSARY REPAIRS OR CLEANUP TO MAINTAIN THE EFFECTIVENESS OF THE EROSION CONTROL DEVICES SHALL BE MADE IMMEDIATELY. AN INSPECTION REPORT MUST BE FILED WITH THE ROANOKE COUNTY EROSION AND SEDIMENT CONTROL ADMINISTRATOR ONCE EVERY TWO WEEKS, BEGINNING WITH COMMENCEMENT OF THE LAND DISTURBING ACTIVITY, AND WITHIN 48 HOURS OF ANY RUNOFF-PRODUCING RAINFALL EVENT. FAILURE TO SUBMIT A REPORT WILL BE GROUNDS FOR IMMEDIATE REVOCATION OF THE LAND DISTURBING PERMIT. REPORTS MUST BE POSTMARKED WITHIN 24 HOURS OF THE DEADLINE. A STANDARD INSPECTION REPORT FORM WILL BE SUPPLIED, WHICH SHOULD BE COPIED AS NECESSARY. THIS PROVISION IN NO WAY WAIVES THE RIGHT OF ROANOKE COUNTY PERSONNEL TO CONDUCT SITE INSPECTIONS, NOR DOES IT DENY THE RIGHT OF THE PERMITTEE (S) TO ACCOMPANY THE INSPECTOR (S).*

*CONTRACTOR SHALL PAY PARTICULAR ATTENTION TO THE FOLLOWING MINIMUM STANDARDS:*

*MS-1: THOUGH TS / PS LABELS ARE SHOWN GENERICALLY ON THE PLANS, THE CONTRACTOR SHALL SEED ALL AREAS NOT INDICATED TO BE OTHERWISE STABILIZED WITH PERMANENT SEED MIXTURE WITHIN 7 DAYS OF REACHING FINAL GRADE OR WITH TEMPORARY SEED MIXTURE ANY AREA YET TO REACH FINAL GRADE BUT THAT IS NOT PROPOSED TO BE ACTIVELY INVOLVED IN THE WORK WITHIN 30 DAYS. THESE SEED MIXTURES AND APPLICATION SPECIFICATIONS ARE SHOWN HEREON. THE CONTRACTOR SHALL HONOR THE CLEARING AND GRADING LIMITS SHOWN ON THE PLAN.*

*MS-2: THE CONTRACTOR SHALL STABILIZE WITH TS AND PROTECT FROM EROSION, WITH ANY APPLICABLE METHOD, ALL STOCKPILES AND ANY ON-SITE OR OFF-SITE BORROW OR SPOIL AREAS, AS APPLICABLE. APPROVAL OF THIS PLAN DOES NOT COVER OFF-SITE BORROW OR SPOIL AREAS. 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 FOR REVIEW AND APPROVAL BY THE PLAN APPROVING AUTHORITY.*

*MS-3: WHERE TS/PS ARE NOT APPLICABLE PROVIDE OTHER MEANS OF STABILIZATION (GRS, ETC.) WITHIN 7 DAYS OF REACHING FINAL GRADE OR WITHIN 30 DAYS WHERE THE AREA IS YET TO REACH FINAL GRADE BUT IS NOT PROPOSED TO BE ACTIVELY INVOLVED IN THE WORK.*

*MS-4: ALL SOIL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE PLACED IN ADVANCE OF THE WORK THEY ARE INTENDED TO PROTECT.*

*MS-5: EARTHEN CONTROLS AND STRUCTURES SHALL BE STABILIZED IMMEDIATELY UPON INSTALLATION.*

*NOT APPLICABLE; NO EARTHEN CONTROLS OR STRUCTURES ARE PROPOSED ON THIS PROJECT.*

*MS-6: WHERE A SEDIMENT TRAP (<3 ACRES OF DRAINAGE) OR SEDIMENT BASIN (>3 ACRES OF DRAINAGE) ARE INDICATED CALCULATIONS SHOWN ARE BASED ON OUTLINED DRAINAGE AREAS. CONTRACTOR SHALL HONOR INDICATED DRAINAGE DIVIDES AND CONFORM TO VOLUMES, DETAILS, ETC. PROVIDED ON PLANS.*

*NOT APPLICABLE; NO SEDIMENT TRAP OR BASIN PROPOSED.*

*MS-7: CARE HAS BEEN TAKEN IN DESIGN TO MINIMIZE DRAINAGE OVER SLOPES AND PROVIDE A SUITABLE PROTECTIVE STABILIZATION METHOD. CONTRACTOR SHALL PROTECT SLOPE AREAS DURING AND AFTER CONSTRUCTION FROM CONCENTRATED RUNOFF AND THE EROSION EFFECTS OF WIND AND RAIN. STABILIZE AS SOON AS PRACTICAL TO MINIMIZE EROSION.*

*NOT APPLICABLE; NO DRAINAGE ARE PROPOSED OVER SLOPES.*

*MS-8: WHERE CONCENTRATED RUNOFF HAS BEEN ROUTED DOWN SLOPES CARE HAS BEEN TAKEN TO DESIGN AN ADEQUATE CHANNEL OR DRAIN. CONTRACTOR SHALL INSTALL THESE MEASURES ALONG WITH THEIR STABILIZATION AS SOON AS PRACTICAL TO PROTECT SLOPE.*

*NOT APPLICABLE; NO CHANNELS OR DRAINS ARE PROPOSED OVER SLOPES.*

*MS-9: NOT APPLICABLE; SEEPAGE THROUGH SLOPES IS NOT ANTICIPATED TO BE ENCOUNTERED ON THIS PROJECT.*

*MS-10: INLET OR CULVERT INLET PROTECTION IS PROPOSED FOR THE INLETS OF ALL STORM SEWERS OR CULVERTS ON-SITE. RLD SHALL INSURE PROPER INSTALLATION AND ASSURE ADEQUATE SIZING BASED ON DRAINAGE AREA OF EACH INLET.*

*NOT APPLICABLE; NO CULVERTS OR STORM SEWER ARE PROPOSED IN THIS PROJECT AND NO CULVERT OR STORM SEWER INLETS ARE ADJACENT TO THE PROJECT.*

*MS-11: RLD SHALL VERIFY THAT ADEQUATE CHANNEL LININGS AND PROPER OUTLET PROTECTION IS IN PLACE PRIOR TO OPERATION OF STORM SEWER SYSTEM.*

*NOT APPLICABLE; NO NO STORM SEWER SYSTEM PROPOSED.*

*MS-12: WHEN WORKING IN AND AROUND A LIVE WATERCOURSE, THE CONTRACTOR SHALL TAKE GREAT CARE TO MINIMIZE IMPACT ON THE STREAM. ASSURE THAT PROPER PERMITS FROM DEQ / COE ARE IN HAND PRIOR TO COMMENCING SUCH WORK.*

*LIVE WATERCOURSE PROTECTION AND PERMITS ARE NOT APPLICABLE; NO LIVE WATERCOURSES ARE DISTURBED.*

*MS-13: WHERE MORE THAN 2 TRIPS IN 6 MONTHS ARE EXPECTED ACROSS A LIVE WATERCOURSE OBTAIN THE NECESSARY PERMIT AND INSTALL A TEMPORARY STREAM CROSSING.*

*STREAM CROSSING IS NOT APPLICABLE; NO LIVE WATERCOURSES ARE DISTURBED.*

*MS-14: OTHER FEDERAL, STATE, AND LOCAL REGULATIONS MUST BE MET WHEN WORKING IN LIVE WATERCOURSES.*

*REGULATIONS PERTAINING TO LIVE WATERCOURSES ARE NOT APPLICABLE; NO LIVE WATERCOURSES EXIST WITHIN OR ADJACENT TO THIS PROJECT.*

*MS-15: THE BED AND BANKS OF DISTURBED WATERCOURSES MUST BE STABILIZED IMMEDIATELY.*

*LIVE WATERCOURSE BED AND BANK STABILIZATION ARE NOT APPLICABLE; NO LIVE WATERCOURSES ARE DISTURBED.*

*MS-16: REGARDING UTILITY INSTALLATIONS, NO MORE THAN 500 LF OF TRENCH MAY BE OPEN AT A GIVEN TIME. EXCAVATED MATERIAL SHALL BE PLACED ON UPHILL SIDE OF TRENCH. EFFLUENT OF ANY DEWATERING SYSTEM USED MUST BE FILTERED. TRENCHES SHALL BE PROPER BACKFILLED AND COMPACTED PER DETAIL AND SPECS. COMPLETED INSTALLATION SHALL BE RE-STABILIZED IMMEDIATELY.*

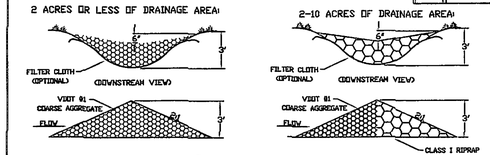
*MS-17: THE CONTRACTOR SHALL PROVIDE ADEQUATE MEANS OF CLEANING MUD FROM TRUCKS AND / OR OTHER EQUIPMENT PRIOR TO ENTERING PUBLIC STREETS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO INSURE THAT THE STREETS ARE IN A CLEAN, MUD AND DUST FREE CONDITION AT ALL TIMES.*

*MS-18: SEE MAINTENANCE UNDER ESC NARRATIVE FOR REMOVAL OF TEMPORARY MEASURE.*

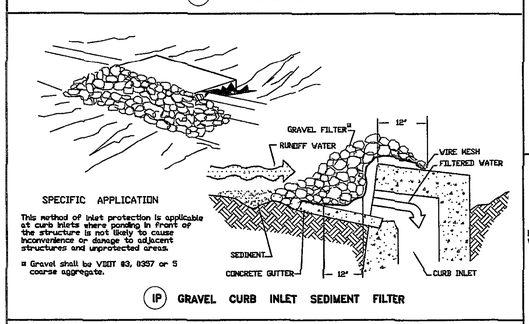
*MS-19: NOT APPLICABLE: INCREASE IN RUNOFF IS LESS THAN 0.5 CFS.*

| NO. | TITLE | KEY | SYMBOL |
|---|---|---|---|
| 3.01 | SAFETY FENCE | SAF | |
| 3.02 | TEMPORARY GRAVEL CONSTRUCTION ENTRANCE | CE | |
| 3.03 | CONSTRUCTION ROAD STABILIZATION | CRS | |
| 3.04 | STRAW BALE BARRIER | STB | |
| 3.05 | SILT FENCE | SF | |
| 3.06 | BRUSH BARRIER | BB | |
| 3.07 | STORM DRAIN INLET PROTECTION | IP | |
| 3.08 | CULVERT INLET PROTECTION | CIP | |
| 3.09 | TEMPORARY DIVERSION DIKE | DD | |
| 3.10 | TEMPORARY FILL DIVERSION | FD | |
| 3.11 | TEMPORARY RIGHT-OF-WAY DIVERSION | RWD | |
| 3.12 | DIVERSION | DV | |
| 3.13 | TEMPORARY SEDIMENT TRAP | ST | |
| 3.14 | TEMPORARY SEDIMENT BASIN | SB | |
| 3.15 | TEMPORARY SLOPE DRAIN | TSD | |
| 3.16 | PAVED FLUME | PF | |
| 3.17 | STORMWATER CONVEYANCE CHANNEL | SCC | |
| 3.18 | OUTLET PROTECTION | OP | |
| 3.19 | RIPRAP | RR | |

| NO. | TITLE | KEY | SYMBOL |
|---|---|---|---|
| 3.20 | ROCK CHECK DAMS | CD | |
| 3.21 | LEVEL SPREADER | LS | |
| 3.22 | VEGETATIVE STREAMBANK STABILIZATION | VSS | |
| 3.23 | STRUCTURAL STREAMBANK STABILIZATION | SSS | |
| 3.24 | TEMPORARY VEHICULAR STREAM CROSSING | VSC | |
| 3.25 | UTILITY STREAM CROSSING | USC | |
| 3.26 | DEWATERING STRUCTURE | DS | |
| 3.27 | TURBIDITY CURTAIN | TC | |
| 3.28 | SUBSURFACE DRAIN | SD | |
| 3.29 | SURFACE ROUGHENING | SR | |
| 3.30 | TOPSOILING | TD | |
| 3.31 | TEMPORARY SEEDING | TS | |
| 3.32 | PERMANENT SEEDING | PS | |
| 3.33 | SODDING | SO | |
| 3.34 | BERMUDA GRASS AND ZOYSIAGRASS ESTABLISHMENT | BE ZE | |
| 3.35 | MULCHING | MU | |
| 3.36 | SOIL STABILIZATION BLANKETS AND MATTING | B/M | |
| 3.37 | TREES, SHRUBS, VINES AND GROUND COVERS | VEG | |
| 3.38 | TREE PRESERVATION AND PROTECTION | TP | |
| 3.39 | DUST CONTROL | DC | |




CD ROCK CHECK DAM

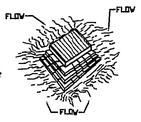



SPECIFIC APPLICATION

This method of inlet protection is applicable at curb inlets where ponding in front of the structure is not likely to cause inconvenience or damage to adjacent structures and unprotected areas.

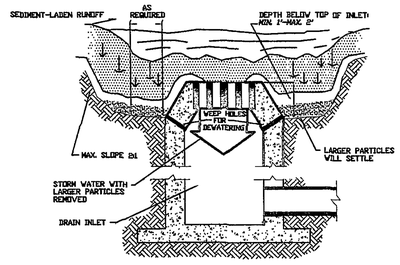
* Gravel shall be VDOT #3, #357 or #5 coarse aggregate.

IP GRAVEL CURB INLET SEDIMENT FILTER

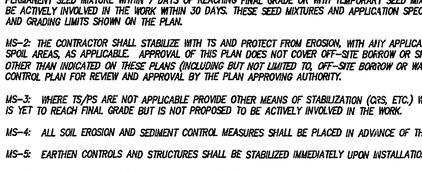



SPECIFIC APPLICATION

This method of inlet protection is applicable where heavy flows are expected and where an overflow capability and ease of maintenance are desirable.




IP EXCAVATED DROP INLET SEDIMENT TRAP

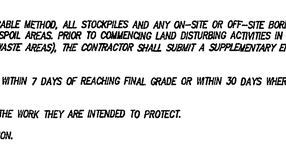



SPECIFIC APPLICATION

This method of inlet protection is applicable where heavy concentrated flows are expected, but not where ponding around the structure might cause excessive inconvenience or damage to adjacent structures and unprotected areas.

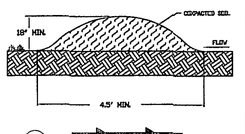
* Gravel shall be VDOT #3, #357 or #5 coarse aggregate.

IP GRAVEL AND WIRE MESH DROP INLET SEDIMENT FILTER




* Distance is 6' minimum if flow is toward embankment

CIP SILT FENCE CULVERT INLET PROTECTION

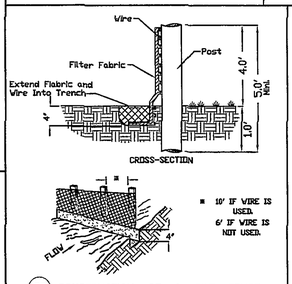



DD TEMPORARY DIVERSION DIKE

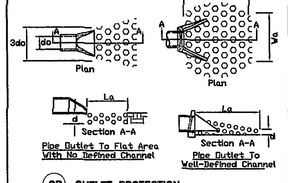
FD TEMPORARY FILL DIVERSION

RWD TEMPORARY RIGHT-OF-WAY DIVERSION

DV DIVERSION

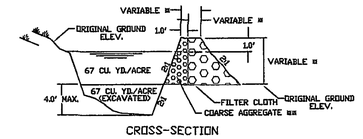



SF CONSTRUCTION OF A SILT FENCE



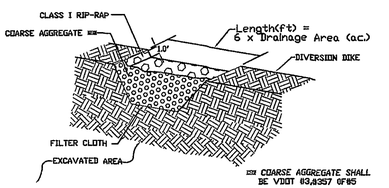

OP OUTLET PROTECTION

NOTES
1. Apron lining may be rip-rap, grouted rip-rap, or concrete.
2. La is the length of the rip-rap apron as calculated using plates 1.36d and 1.36e.
3. d = 1.5 times the maximum stone diameter, but not less than 6".




CROSS-SECTION

* SEE PLATE 3.13-1




ST SEDIMENT TRAP

NOTE:
FOR AREAS LESS THAN 3.0 ACRES. FOR AREAS LARGER THAN 3.0 ACRES A SEDIMENT BASIN IS REQUIRED. SEE DETAIL THIS SHEET.

## TEMPORARY SEDIMENT TRAP DATA

| STRUCTURE | DRAINAGE AREA (ACRES) | STORAGE (C.Y.) REQ'D | STORAGE (C.Y.) DESIGN | WEIR LENGTH (FT.) | WEIR HEIGHT (FT.) | BERM HEIGHT (FT.) |
|---|---|---|---|---|---|---|
| 1 | 1.3 AC. | 241 C.Y. | W=126 C.Y. D=122 C.Y. | 10.8' | 1.75' | 2.75' |
| | | TOP OF WET | 48' X 33' – 3.0' DEEP | | | |
| | | TOP OF DRY | 55' X 40' – 1.75' DEEP | | | |

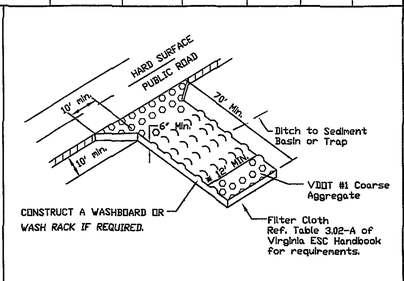



SF CONSTRUCTION OF A SILT FENCE

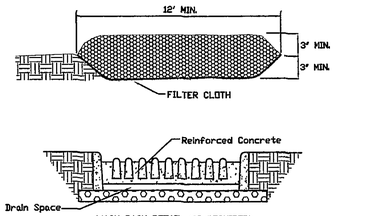



OP OUTLET PROTECTION

NOTES
1. Apron lining may be rip-rap, grouted rip-rap, or concrete.
2. La is the length of the rip-rap apron as calculated using plates 1.36d and 1.36e.
3. d = 1.5 times the maximum stone diameter, but not less than 6".




* MUST EXTEND FULL WIDTH OF INGRESS & EGRESS OPERATION.




CE TEMPORARY GRAVEL CONSTRUCTION ENTRANCE

## EROSION-SILTATION CONTROL COST ESTIMATE

ALL COSTS GIVEN ARE COMPLETE IN PLACE

| DESCRIPTION | UNIT | QUANTITY | UNIT COST | TOTAL COST |
|---|---|---|---|---|
| CONSTRUCTION ENTRANCE | EA | INNCLUDED IN ESC PLAN | | |
| SILT FENCE | LF | 100 | $ 3.00 | $ 300.00 |
| INLET PROTECTION | EA | INNCLUDED IN ESC PLAN | | |
| TEMPORARY DIVERSION DIKE | LF | | | |
| SEDIMENT TRAP | EA | | | |
| OUTLET PROTECTION | EA | 1 | $ 75.00 | $ 75.00 |
| TEMPORARY AND PERMANENT SEEDING | 1000 SF | INNCLUDED IN ESC PLAN | | |
| TREE PROTECTION | EA | | | |
| CULVERT INLET PROTECTION | EA | | | |
| SUB-TOTAL | | | | $ 375.00 |
| 10% CONTINGENCY | | | | $ 38.00 |
| TOTAL PROJECT COST | | | | $ 413.00 |

## GENERAL EROSION AND SEDIMENT CONTROL NOTES

1. ALL SOIL EROSION & SEDIMENT CONTROL MEASURES SHALL BE ACCOMPLISHED IN STRICT ACCORDANCE WITH THE STANDARDS AND SPECIFICATIONS CONTAINED IN THE VIRGINIA EROSION AND SEDIMENT CONTROL HANDBOOK, LATEST EDITION.
2. THE APPROVING AUTHORITY MAY ADD TO, DELETE, RELOCATE, CHANGE, OR OTHERWISE MODIFY CERTAIN EROSION AND SEDIMENT CONTROL MEASURES WHERE FIELD CONDITIONS ARE ENCOUNTERED THAT WARRANT SUCH MODIFICATIONS.
3. ALL SOIL EROSION AND SEDIMENT CONTROL MEASURES AS SHOWN ON THE PLAN SHALL BE PLACED IN ADVANCE OF THE WORK BEING PERFORMED, AS FAR AS PRACTICAL.
4. IN NO CASE DURING CONSTRUCTION SHALL WATER RUNOFF BE DIVERTED OR ALLOWED TO FLOW TO LOCATIONS WHERE ADEQUATE PROTECTION HAS NOT BEEN PROVIDED.
5. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO LEAVE THE SITE ADEQUATELY PROTECTED AGAINST EROSION, SEDIMENTATION, OR ANY DAMAGE TO ANY ADJACENT PROPERTY AT THE END OF EACH DAY'S WORK.
6. FOR THE EROSION CONTROL KEY SYMBOLS SHOWN ON THE PLANS, REFER TO THE VIRGINIA UNIFORM CODING SYSTEM FOR EROSION AND SEDIMENT CONTROL PRACTICES CONTAINED IN THE VIRGINIA EROSION AND SEDIMENT CONTROL HANDBOOK, LATEST EDITION. THESE SYMBOLS AND KEYS ARE TO BE UTILIZED ON ALL EROSION CONTROL PLANS SUBMITTED TO ROANOKE COUNTY.

## TS TEMPORARY SEEDING MIXTURE

| PLANTING DATES | SPECIES | RATE (LBS./ACRE) |
|---|---|---|
| SEPT. 1 – FEB. 15 | 50/50 MIX OF ANNUAL RYEGRASS (LOLIUM MULTI-FLORUM) & CEREAL (WINTER) RYE (SECALE CEREALE) | 50 – 100 |
| FEB. 16 – APR. 30 | ANNUAL RYEGRASS (LOLIUM MULTI-FLORUM) | 60 – 100 |
| MAY. 1 – AUG. 31 | GERMAN MILLET (SETARIA ITALICA) | 50 |

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

## PS PERMANENT SEEDING MIXTURE

TYPE A

15 OCTOBER TO 1 FEBRUARY
K-31 FESCUE @ 5 LB / 1000 SF
BORZY WINTER RYE @ 1/2 LB / 1000 SF

1 FEBRUARY TO 1 JUNE
K-31 FESCUE @ 5 LB / 1000 SF
ANNUAL RYE @ 1/2 LB / 1000 SF

1 JUNE TO 1 SEPTEMBER
K-31 FESCUE @ 5 LB / 1000 SF
GERMAN MILLET @ 1/2 LB / 1000 SF

1 SEPTEMBER TO 15 OCTOBER
K-31 FESCUE @ 5 LB / 1000 SF
ANNUAL RYE @ 1/2 LB / 1000 SF

TYPE B (SLOPES 3:1 OR STEEPER)

15 MARCH TO 1 MAY
CROWN VETCH @ 1/2 LB / 1000 SF
PERENNIAL RYEGRASS @ 1/2 LB / 1000 SF
RED TOP @ 1/8 LB / 1000 SF

15 AUGUST TO 1 OCTOBER
CROWN VETCH @ 1/2 LB / 1000 SF
PERENNIAL RYEGRASS @ 1/2 LB / 1000 SF
RED TOP @ 1/8 LB / 1000 SF

LIME: 140 LB / 1000 SF PULVERIZED AGRICULTURAL LIMESTONE

FERTILIZER: 5-20-10 @ 25 LB / 1000 SF
38-0-0 @ 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, FRIABLE, SEEDBED. MAXIMUM SEEDING DEPTH SHALL BE 1/4 INCH.

TOTAL DISTURBED AREA = 0.1 AC.

DEPARTMENT OF ENGINEERING AND INSPECTIONS

| NO. | REVISIONS | DATE |
|---|---|---|
| 1 | ENGR. & INSPEC. | 04-19-93 |
| 2 | ENGR. & INSPEC. | 08-05-93 |
| 3 | ENGR. & INSPEC. | 10-27-93 |
| 4 | | |
| 5 | | |
| 6 | | |

COUNTY OF ROANOKE

DATE: 11/02/93
SCALE: NO SCALE
DRAWING BY: CLN,AF
DESIGNED BY: G:\CAD\DETAILS\EROSION\EROSION)
APPROVED BY: GWS,III

EROSION & SEDIMENT CONTROL STORMWATER MANAGEMENT DETAILS

SHEET 6 OF 6