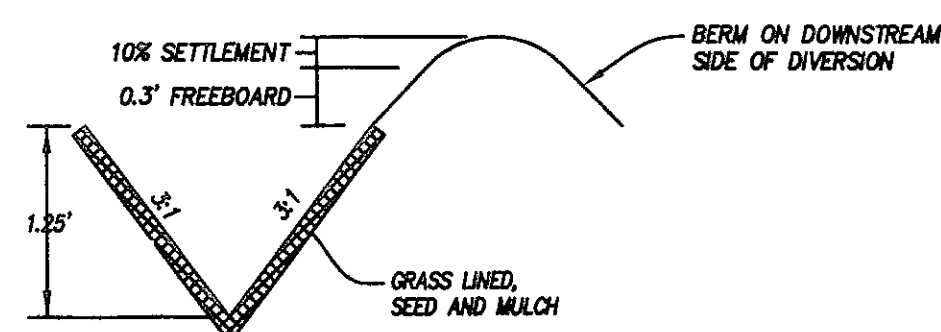
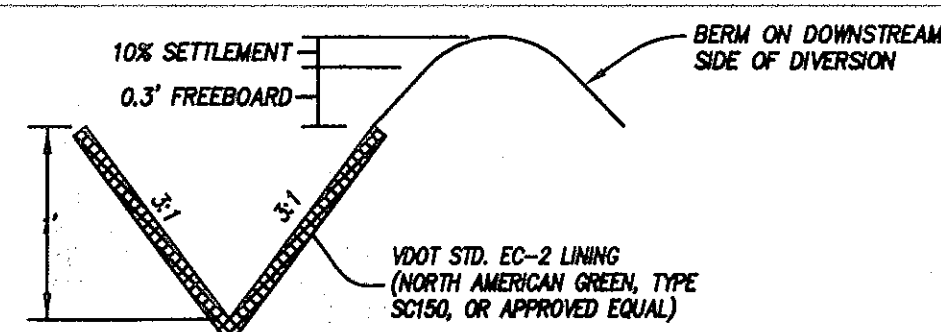


1. THE CONTRACTOR'S CERTIFIED RESPONSIBLE LAND DISTURBER (R/LD) SHALL BE NAMED AND A COPY OF HIS R/LD CERTIFICATE SHALL BE PROVIDED TO THE ROANOKE COUNTY DEPARTMENT OF COMMUNITY DEVELOPMENT AT LEAST TWO (2) WORKING DAYS PRIOR TO THE PRECONSTRUCTION MEETING. R/LD SHALL ALSO ATTEND THE PRECONSTRUCTION MEETING.
2. THE CONTRACTOR/OWNER SHALL BE RESPONSIBLE FOR APPLYING FOR THE DOR LAND DISTURBANCE PERMIT AND SHALL SUPPLY ROANOKE COUNTY DEPARTMENT OF COMMUNITY DEVELOPMENT WITH A COPY OF SAID PERMIT AT LEAST TWO (2) DAYS PRIOR TO THE PRECONSTRUCTION MEETING.
3. THE LOCATION OF ALL OFFSITE FILL OR BORROW AREAS ASSOCIATED WITH THIS CONSTRUCTION PROJECT WILL BE PROVIDED TO ROANOKE COUNTY DEPARTMENT OF COMMUNITY DEVELOPMENT. AN EROSION AND SEDIMENT CONTROL PLAN OR MEASURES MAY BE REQUIRED FOR THESE AREAS. NO OFFSITE FILL OR BORROW AREAS ARE ANTICIPATED FOR THIS PROJECT.
4. INSTALL CONSTRUCTION ENTRANCE OFF OF PLANTATION ROAD.
5. INSTALL STORM DRAIN "H" TO "G" AND TYPE "C" DITCH. INSTALL INLET AND OUTLET PROTECTION ALONG WITH STORM DRAIN CONSTRUCTION.
6. CONSTRUCT ACCESS ROAD INTO SITE. PROVIDE CONSTRUCTION ROAD STABILIZATION.
7. INSTALL PERIMETER EROSION AND SEDIMENT CONTROL MEASURES SUCH AS SILT FENCE.
8. CONSTRUCT NEW STORM WATER CONVEYANCE CHANNEL WITHIN AND ALONG WITHIN 60' RIGHT OF WAY AND STABILIZE.
9. CONSTRUCT SEDIMENT BASIN 1 AND PROVIDE DIVERSION DITCHES TO BE ADJUSTED WITH FILL.
10. CONSTRUCT SEDIMENT TRAPS 2 AND 3 AND PROVIDE PERIMETER DIVERSIONS.
11. BEGIN CONSTRUCTION OF RETAINING WALL AND PAD GRADING FOR GAMBER MOUNTAIN WORLD SITE. SEDIMENT TRAP 3 TO BE ADJUSTED AS FILL IS BROUGHT UP. ONCE ENTIRE FILL AREA CAN BE DIVERTED INTO SEDIMENT BASIN 3 BY MEANS OF DIVERSION DITCHES, SEDIMENT TRAP 3 CAN BE REMOVED.
12. CONSTRUCT STORM DRAIN FROM M TO N AND R AND N TO Q. PROVIDE INLET AND OUTLET PROTECTION. INLET R TO FUNCTION AS AN EXCAVATED INLET TYPE SEDIMENT TRAP.
13. CONSTRUCT SEDIMENT BASIN 4.
14. CONSTRUCT STORM DRAIN A TO F. PROVIDE INLET AND OUTLET PROTECTION.
15. CONSTRUCT SEDIMENT BASIN 1, ALONG WITH DIVERSION AND BERM TO DIRECT RUNOFF INTO BASIN. CONSTRUCTION OF RETAINING WALL ADJACENT TO SEDIMENT BASIN 1 MAY BE STARTED ONCE SEDIMENT BASIN 1 IS FUNCTIONING TO INSURE THAT RUNOFF IS DIVERTED AWAY FROM WALL CONSTRUCTION AREA.
16. COMPLETE FILLS WHERE STORM DRAIN T TO X IS TO BE INSTALLED.
17. CONSTRUCT STORM DRAIN FROM T TO Z. PROVIDE INLET AND OUTLET PROTECTION.
18. CONSTRUCT BERM ALONG WESTERN PROPERTY LINE BETWEEN SEDIMENT BASIN 1 AND SEDIMENT BASIN 4.
19. CONSTRUCT DIVERSIONS ALONG THE BERM TO THE INSIDE OF THE DISTURBED AREA DIRECTING FLOWS TO SEDIMENT BASIN 1 AND TO SEDIMENT BASIN 2.
20. COMPLETE CUT AND FILLS WITHIN DEFINED GRADING LIMITS.
21. AS OTHER AREAS REACH FINAL GRADES, APPLY PERMANENT SEEDING TO AREAS OUTSIDE OF THE LIMITS OF CONSTRUCTION FOR THE GAMBER MOUNTAIN AND CAMPING WORLD. SEE THE GAMBER MOUNTAIN AND CAMPING WORLD DEVELOPMENT PLANS FOR CONTINUANCE OF ITS CONSTRUCTION PROGRAM.
22. APPLY CONSTRUCTION ROAD STABILIZATION AS ROAD REACHES SUBGRADE.
23. TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES SHALL BE REMOVED AFTER THOSE AFFECTED AREAS HAVE BEEN BROUGHT TO FINAL GRADE. AFTER PERMANENT VEGETATION HAS ESTABLISHED, ONCE UPSTREAM AREAS HAVE BEEN STABILIZED, SEDIMENT BASINS MAY BE CONVERTED TO PERMANENT WETLANDS OR WASTE MANAGEMENT FACILITIES. SEE CONVERSION NOTES ON SHEET 20. CONTACT ROANOKE COUNTY FOR PERMISSION PRIOR TO REMOVING ANY ESC MEASURE.

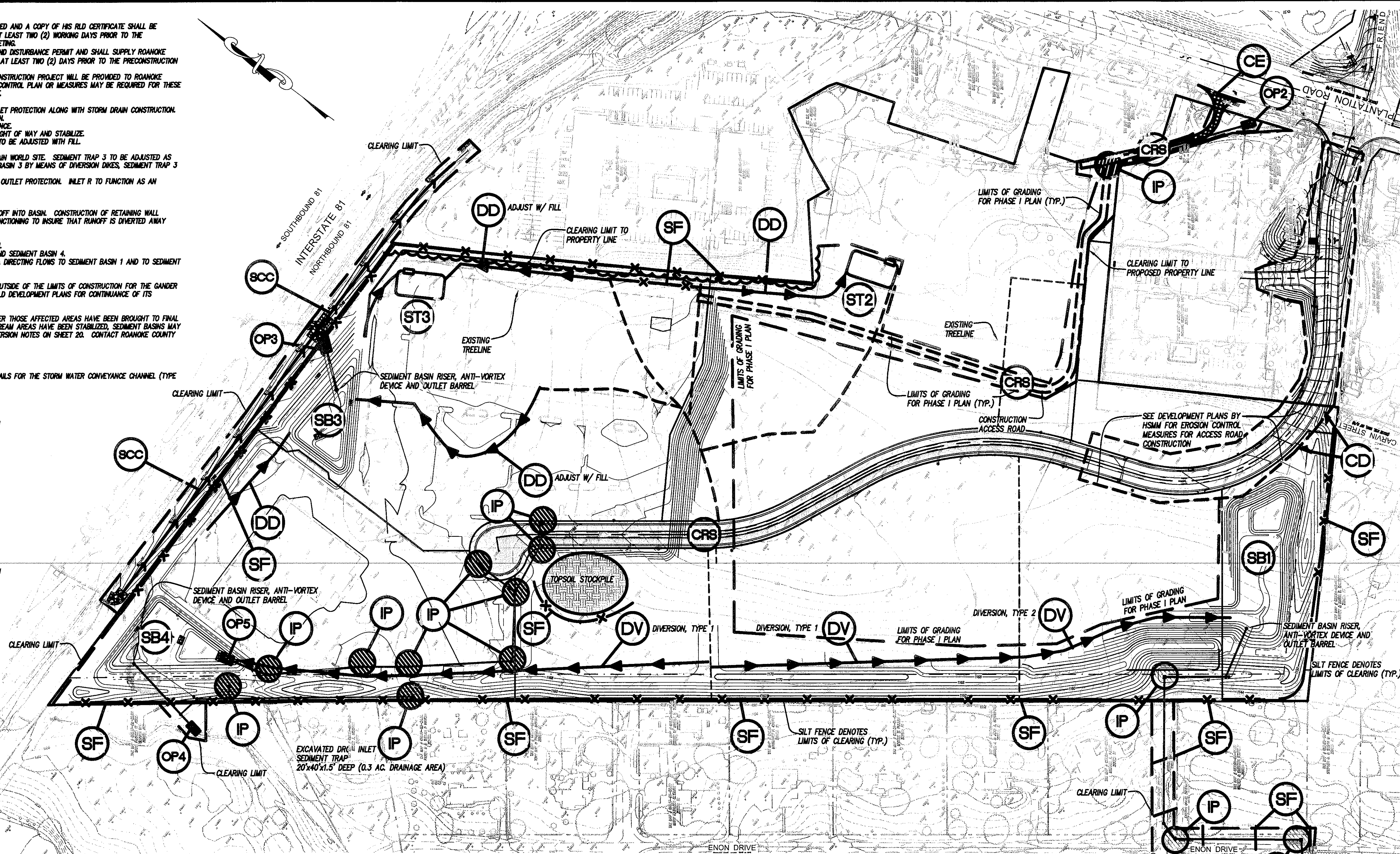
1. SEE GRADING SHEETS 9 AND 10 AND PROFILE SHEET 15 FOR NOTATIONS AND DETAILS FOR THE STORM WATER CONVEYANCE CHANNEL (TYPE A) ALONG THE I-81 RIGHT OF WAY.
2. OTHER DIVERSION SECTION DETAILS PROVIDED BELOW.
3. SEE SHEET 20 FOR SEDIMENT BASIN NOTES AND DETAILS.



DIVERSION, TYPE 1



DIVERSION, TYPE 2



PROJECT DESCRIPTION:
THIS PROJECT IS LOCATED OFF OF ROUTE 115, PLANTATION ROAD IN ROANOKE COUNTY. APPROXIMATELY 41 ACRES OF LAND WILL BE DISTURBED WITH THIS PROJECT. THE PROJECT CONSISTS OF MASS GRADING AND INFRASTRUCTURE CONSTRUCTION FOR COMMERCIAL DEVELOPMENT TRACTS.

THE SITE IS MOSTLY OPEN FIELD WITH A FEW TREES ALONG THE EAST PROPERTY LINE. THE SLOPES ARE MOSTLY MILD TO MODERATE. THERE IS A KNOLL CENTRAL TO THE DEVELOPABLE AREA. EXISTING DRAINAGE BREAKS TO FOUR LWS AWAY FROM AND AROUND THE KNOLL.

INTERSTATE 81 BORDERS THE SITE TO THE NORTH. COMMERCIAL PROPERTIES INCLUDING HOTELS AND FUEL STATIONS BORDER THE SITE TO THE EAST. RESIDENTIAL PROPERTY BORDERS THE SITE TO THE SOUTH AND WEST.

CONTRACTOR SHALL REVIEW THE GEOTECHNICAL REPORT PERFORMED BY GEOTECHNICS, INC., DATED MARCH 8, 2007 FOR COMPLETE SOILS INFORMATION.

IT IS CRITICAL THAT THE EROSION AND SEDIMENT CONTROL MEASURES BE MAINTAINED TO PREVENT ANY SEDIMENT FROM REACHING THE RIGHT OF WAY FOR I-81 OR PLANTATION ROAD INCLUDING THEIR ESTABLISHED DRAINAGE COURSES. IT ALSO CRITICAL TO PREVENT WASH AND SEDIMENT DEPOSITION DOWN THE STEEP SLOPE AT THE BACK OF DAY'S INN. IT IS CRITICAL TO PREVENT SEDIMENT FROM DEPOSITING IN THE NATURAL WATERCOURSE BELOW SEDIMENT BASIN 4 AND CROSSING THE PROPERTY OF ST. FRANCIS OF ASSISI.

ALL EROSION AND SEDIMENT CONTROL PRACTICES AND PROCEDURES SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE VIRGINIA EROSION AND SEDIMENT CONTROL HANDBOOK.

SEE DCR'S MINIMUM STANDARDS LISTED ON THE ROANOKE COUNTY ESC DETAIL SHEET.

CONSTRUCTION ENTRANCE (3.02) - A STONE CONSTRUCTION ENTRANCE WILL BE INSTALLED TO MINIMIZE THE AMOUNT OF MUD TRANSPORTED INTO EXISTING ROADS.
CONSTRUCTION ROAD STABILIZATION (3.03) - CONSTRUCTION ROAD STABILIZATION WILL BE TO MINIMIZE EROSION WITHIN THE TEMPORARY CONSTRUCTION ROAD.

INLET PROTECTION (3.07) - INLET PROTECTION WILL BE INSTALLED AT EACH STORM DRAIN INLET TO MINIMIZE THE AMOUNT OF SEDIMENT LADEN RUNOFF FROM ENTERING THE STORM DRAIN SYSTEM.

OFFSITE RUNOFF AROUND THE CONSTRUCTION AREA AND ALSO TO DIVERT SEDIMENT LADEN RUNOFF INTO THE SEDIMENT TRAPS.

FROM FLOWING OVER FILL SLOPES AND TO DIRECT RUNOFF INTO THE SEDIMENT TRAPS.
DIVERSION (3.12) - TEMPORARY DIVERSIONS WILL BE INSTALLED TO CONVEY OFFSITE

TEMPORARY SEDIMENT TRAPS (3.13) - SEDIMENT TRAPS WILL BE UTILIZED TO ALLOW SEDIMENT TO SETTLE OUT OF RUNOFF PRIOR TO EXITING THE SITE

TEMPORARY SLOPE DRAIN (715) TEMPORARY SLOPE DRAINS WILL BE INSTALLED TO

STRENGTHENED CONCRETE CHANNEL (6'x6') STRENGTHENED CHANNELS SHALL BE INSTALLED

OUTLET PROTECTION (3.18) - OUTLET PROTECTION WILL BE INSTALLED AT THE OUTLET ENDS

POTENTIAL FOR DOWNSTREAM EROSION. NOTE ALL OUTLET PROTECTION STONE SHALL BE VDOT STD. CLASS 1 RIP RAP AND PLACED IN THE RECEIVING CHANNEL FOR THE LENGTH AS

ROCK CHECK DAMS (3.20) - ROCK CHECK DAMS SHALL BE CONSTRUCTED TO REDUCE VELOCITIES OF CONCENTRATED FLOWS IN SHALLOW SWALES.

STOCKPILED FOR FUTURE USE. TOPSOIL STOCKPILES SHALL BE PROTECTED BY SILT FENCE
INSTALLED ALONG THE DOWNHILL SIDES AROUND THE STOCKPILE. TOPSOIL SHALL BE

TEMPORARY SEEDING (3.31) – TEMPORARY SEEDING SHALL BE APPLIED TO TEMPORARY OVERSTOCK DINGS, TOPSOIL STOCKPILES, AND ALL AREAS TO BE ROUGH GRADED, BUT NOT FINISHED GRADED. TEMPORARY SEEDING SHALL BE APPLIED TO ALL AREAS OF EROSION PROTECTION. TEMPORARY SEEDING SHALL BE FAST GERMINATING, TEMPORARY VEGETATION AND INSTALLED IMMEDIATELY FOLLOWING GRADING, OR INSTALLATION IF A TEMPORARY MEASURE. SEE ALSO MINIMUM STANDARDS.

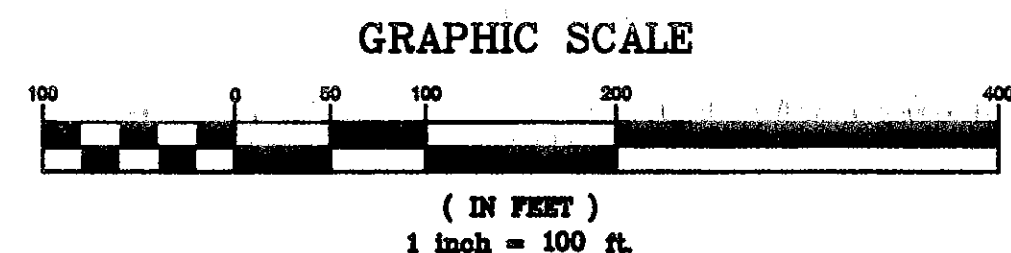
PERMANENT SEEDING (3.32) – PERMANENT SEEDING SHALL BE INSTALLED ON ALL DISTURBED AREAS OF THE SITE NOT OTHERWISE STABILIZED.

MULCHING (3.33) – ALL DISTURBED AREAS SHALL BE MULCHED AFTER SEEDING. STRAW MULCH SHALL BE APPLIED AT A RATE OF TWO TONS PER ACRE AND ANCHORED WITH 750 LBS PER ACRE OF FIBER MULCH OVER THE SEEDED AREA.

STORM WATER MANAGEMENT FACILITIES HAVE BEEN PROPOSED TO LIMIT POSTDEVELOPMENT RUNOFF RATES TO PREDEVELOPMENT RUNOFF RATES ACCORDING TO ROANOKE COUNTY STANDARDS.

ALL EROSION AND SEDIMENT CONTROL MEASURES WILL BE CHECKED DAILY AND AFTER EACH SIGNIFICANT RAINFALL. A LOG OF DATES AND INSPECTIONS SHALL BE KEPT. ANY DEFICIENCIES THAT ARE FOUND SHALL BE CORRECTED IMMEDIATELY. IN PARTICULAR:

1. THE SEDIMENT TRAP WILL BE CHECKED REGULARLY FOR SEDIMENT BUILDUP. CLEAN OUT IS NECESSARY TO MAINTAIN DESIGN FLOWS.
2. INLET PROTECTION WILL BE CHECKED REGULARLY FOR SEDIMENT BUILDUP WHICH WILL PREVENT DRAINAGE. IF STONE IS CLOGGED BY SEDIMENT, IT WILL BE REMOVED AND CLEANED OR REPLACED.
3. ROOF CHECK DAMS WILL BE CHECKED REGULARLY FOR SEDIMENT BUILDUP WHICH WILL PREVENT DRAINAGE. IF STONE IS CLOGGED BY SEDIMENT, IT WILL BE REMOVED AND CLEANED OR REPLACED.
4. THE SILT FENCE WILL BE CHECKED REGULARLY FOR UNDERMINING OR DETERIORATION OF THE SILT FENCE. SEDIMENT SHALL BE REMOVED WHEN THE SEDIMENT BUILDUP REACHES THE MIDWAY POINT OF THE SILT FENCE.
5. THE CONSTRUCTION ENTRANCE WILL BE CHECKED REGULARLY FOR SEDIMENT BUILDUP. IF STONE IS CLOGGED BY SEDIMENT, IT WILL BE REMOVED AND CLEANED, OR REPLACED.
6. DIVERSIONS AND STORMWATER CONVEYANCE CHANNELS WILL BE CHECKED REGULARLY FOR SEDIMENT BUILDUP, BREACHES, AND DIKE INTEGRITY. IF DEFICIENCIES IN THE DIVERSIONS OR CHANNELS ARE FOUND, THEY SHALL BE REPAIRED AND RESTORED IMMEDIATELY.
7. ALL SEED AREAS WILL BE CHECKED REGULARLY TO ENSURE THAT A GOOD STAND OF GRASS IS MAINTAINED. AREAS SHALL BE FERTILIZED AND RESEED AS REQUIRED TO ACHIEVE A GOOD STAND OF GRASS.



REVISIONS	
NO.	DATE
1	9/7/07
2	
3	
4	
5	

DATE:	June 5, 2007
SCALE:	1" = 100'
COMMISSION NO:	2006-2240
SHEET 17 OF 23	