SOIL EROSION NARRATIVE

PROJECT DESCRIPTION: THE PURPOSE OF THIS PROJECT IS THE PREPARATION OF PROPERTY TO DEVELOPABLE CONDITIONS BY PRE-GRADING THE SITE TO A LEVEL MORE SUITABLE FOR THE FINAL DEVELOPMENT OF A RESIDENTIAL SUBDIVISION. UPON COMPLETION OF THE GRADING AND WITH APPROVAL OF THE FINAL CONSTRUCTION PLANS, THE DEVELOPER WILL CONSTRUCT THE REMAINING ITEMS SUCH AS THE ROADWAYS AND UNDERGROUND PIPING TO SERVE THIRTY-ONE (31) NEW DWELLINGS. THE PROPOSED PROJECT WILL COMPRISE OF CLEARING AND GRUBBING AND ADDITIONAL OF 9.6 ACRES ADJACENT TO AN EXISTING AND OVERLAPPING EROSION CONTROL PLAN. APPROXIMATELY 160,000 CY OF MATERIAL WILL BE RESHAPED TO CREATE THE FINAL TOPOGRAPHY PROPOSED ON THE APPROVED GRADING PLANS. THE SITE IS LOCATED WITHIN THE EXISTING RUSSLEN FARMS DEVELOPMENT, SOUTH OF RIVERSIDE DRIVE AND WEST OF MILL LANE, JUST SOUTH OF THE CITY OF SALEM AND THE ROANOKE RIVER IN THE COUNTY OF ROANOKE, VIRGINIA. THE PROPERTY INVOLVED IS CURRENTLY TWO (2) LARGE TRACTS OF LAND PARCELS CURRENTLY OWNED BY THE DEVELOPER, RUSSLEN FARMS DEVELOPMENT, LLC AND MORE RECOGNIZED AS TAX PARCELS 56.03-2-37 AND 56.03-2-43.1

EXISTING SITE CONDITIONS: THE SITE IS CURRENTLY AN UNDEVELOPED TRACT OF LAND THAT HAS IS CURRENTLY COVERED WITH A MIX OF PASTURE/GRASSES AND A FARM POND. PORTIONS OF THE TOTAL ACREAGE WILL REMAIN UNDISTURBED TO EXISTING TOPOGRAPHIC FEATURES. THERE IS NO JURISDICTIONAL WATERS LOCATED ON THE PROPERTY.

ADJACENT PROPERTY: THE LIMITS OF CONSTRUCTION ARE BOUNDED ON THE NORTH BY THE EXISTING RESIDENTIAL SUBDIVISION KNOW AS RIVER OAKS AT RUSSLEN FARMS, SECTIONS 1 AND 2. THE EASTERN BOUNDARY LINE IS BOUNDED BY THE EXISTING RESIDENTIAL SUBDIVISION KNOWN AS FOXFIELD AT RUSSLEN FARMS, SECTION 2 AND 3. THE SOUTHERN AND WESTERLY BOUNDARY LINE IS OWNED BY EXISTING UNDEVELOPED TRACTS OF LAND CURRENTLY OWNED BY THE DEVELOPER. REFER TO THE OVERALL PLAN FOR ADDITIONAL INFORMATION.

OFF-SITE AREAS: THE DEVELOPMENT WILL BE A "BALANCED" SITE AND NO EXCESS MATERIAL WILL BE EXPORTED NOR WILL ANY MATERIAL BE IMPORTED FROM OTHER PROPERTIES.

SOILS: A SUBSURFACE INVESTIGATION HAS NOT BEEN PROVIDED. SOIL INFORMATION IS AVAILABLE ON THE RESIDUAL SOILS THAT IS SUGGESTED IN THE "SOIL SURVEY OF ROANOKE COUNTY AND THE CITIES OF ROANOKE AND SALEM, VIRGINIA" AS PREPARED BY THE UNITED STATES DEPARTMENT OF AGRICULTURE. THIS SURVEY IDENTIFIES THE ORIGINAL SOIL MATERIAL AS A CHISWELL-LITZ COMPLEX. CHISWELL-LITZ SOIL HAS THE FOLLOWING CHARACTERISTICS: 1)WELL DRAINED 2) 0"-9" OF TOPSOIL 3) +/- 10" OF A SILT LOAM SUBBASE 4)MODERATE PERMEABILITY 5)MEDIUM TO RAPID SURFACE RUN-OFF AND 6)HIGH EROSION POTENTIAL.

CRITICAL EROSION AREAS: NO CRITICAL AREAS ARE ANTICIPATED AS THE MAJORITY OF THE SITE WILL DRAIN TO A SEDIMENT BASIN LOCATED AT THE LOW POINT OF THE PROJECT WHICH THEN WILL DISCHARGE INTO A SEDIMENT BASIN/SWM FACILITY LOCATED APPROXIMATELY 600' EAST OF THE PROJECT AREA. ALL SLOPES PROPOSED WITHIN THE PROJECT AREA WILL BE PROTECTED BY DIVERSIONS WHICH WILL DISCHARGE INTO A PROPOSED UNDERGROUND STORM DRAIN PIPE SYSTEM.

EROSION AND SEDIMENT CONTROL MEASURES:
UNLESS OTHERWISE INDICATED, ALL VEGETATIVE AND STRUCTURAL EROSION AND SEDIMENT CONTROL PRACTICES SHALL BE CONSTRUCTED AND MAINTAINED ACCORDING TO MINIMUM STANDARDS AND SPECIFICATIONS OF THE "VIRGINIA EROSION AND SEDIMENT CONTROL HANDBOOK, THIRD EDITION" (VESCH). THE MINIMUM STANDARDS OF THE VESCH SHALL BE ADHERED TO UNLESS OTHERWISE DIRECTED BY THE LOCAL PROGRAM ADMINISTRATOR.

STRUCTURAL -
SAFETY FENCE-STD. 3.01.....A PROTECTIVE BARRIER TO BE INSTALLED ALONG THE ADJOINING PROPERTY OF FOXFIELD, SEC. 2 TO PREVENT INJURIES DUE TO GRADING EXCAVATIONS ALONG THE BOUNDARY LINE.

CONSTRUCTION ENTRANCE-STD. 3.02.....A STONE PAD, LOCATED AT THE ENDS OF EXISTING ASPHALT PAVEMENT OF BOTH MILLWHEEL DRIVE AND MILLWOOD DRIVE(IF PAVED) OR AT OTHER POINTS OF VEHICULAR INGRESS AND EGRESS TO THE CONSTRUCTION SITE, TO REDUCE THE SOIL TRANSPORTED ONTO PUBLIC ROADS AND OTHER PAVED AREAS.

CONSTRUCTION ROAD STABILIZATION-STD. 3.03.....THE TEMPORARY STABILIZATION OF ACCESS ROADS, TEMPORARY OR PERMANENT, WITH STONE AFTER GRADING TO REDUCE EROSION CAUSED BY VEHICLES DURING WET WEATHER.

SILT FENCE-STD. 3.05.....A TEMPORARY BARRIER CONSTRUCTED ALONG THE PERIMETER OF THE DISTURBED AREA AS REQUIRED TO INTERCEPT AND DETAIN SEDIMENT.

INLET PROTECTION-STD. 3.07.....INSTALLATION OF A SEDIMENT TRAPPING MEASURES AROUND DROP INLETS OR CURB INLET STRUCTURES PRIOR TO PERMANENT STABILIZATION OF THE DISTURBED AREA.

CULVERT INLET PROTECTION-STD. 3.08.....SEDIMENT TRAPPING MEASURES LOCATED AT THE INLET TO STORM SEWER CULVERTS WHICH PREVENTS SEDIMENT FROM ENTERING, ACCUMULATING IN AND BEING TRANSFERRED BY THE CULVERT.

DIVERSION DIKE-STD. 3.09.....A RIDGE OF COMPACTED SOIL CONSTRUCTED AT THE TOP OR BASE OF A SLOPING DISTURBED AREA WHICH DIVERTS OFF-SITE RUNOFF AWAY FROM UNPROTECTED SLOPES AND TO A STABILIZED OUTLET OR TO DIVERT SEDIMENT LADEN RUNOFF TO SEDIMENT TRAPPING STRUCTURE.

RIGHT-OF-WAY DIVERSIONS-STD. 3.11.....A RIDGE OF COMPACTED SOIL OR LOOSE GRAVEL CONSTRUCTED ACROSS THE PROPOSED ROADWAYS OR SIMILAR SLOPING AREA TO DIVERT THE RUNOFF ACROSS AN ACCESS ROUTE TO A STABILIZED OUTLET.

SEDIMENT TRAP-STD. 3.13.....A TEMPORARY PONDING AREA FORMED BY CONSTRUCTING AN EARTHEN DAM, A STONE OUTLET TO PROVIDE BOTH WET AND DRY STORAGE AREAS TO DETAIN SEDIMENT-LADEN RUNOFF AND ALLOW THE MAJORITY OF THE SEDIMENT TO SETTLE OUT.

SEDIMENT BASIN-STD. 3.14.....A PERMANENT DAM WITH A CONTROLLED STORMWATER RELEASE STRUCTURE WHICH IS FORMED BY CONSTRUCTING AN EMBANKMENT OF COMPACTED SOIL ACROSS A DRAINAGE WAY, TO DETAIN SEDIMENT-LADEN RUNOFF FROM LARGE DISTURBED AREAS TO ALLOW FOR SUSPENDED SOLIDS TO SETTLE OUT.

RIPRAP-STD. 3.19.....A PERMANENT EROSION-RESISTANT GROUND COVER OF LARGE, LOOSE, ANGULAR STONE INSTALLED WHEREVER SOIL CONDITIONS, WATER TURBULENCE AND VELOCITY, EXPECTED VEGETATIVE COVER, ETC. ARE SUCH THAT SOIL MAY ERODE UNDER DESIGN FLOW CONDITIONS.

CHECK DAMS-STD. 3.20.....SMALL, TEMPORARY STONE DAMS CONSTRUCTED ACROSS A DRAINAGE DITCH OR AT A LOWPOINT OF A SILT FENCE INSTALLATION TO REDUCE THE VELOCITY OF CONCENTRATED FLOWS, REDUCING EROSION OF THE SWALE OR DITCH.

SURFACE ROUGHENING-STD. 3.29.....GRADING PRACTICES SUCH AS STAIR-STEPPING OR GROOVING SLOPES OR LEAVING SLOPES IN A ROUGHENED CONDITION BY NOT FINE-GRADING THEM. THIS SHALL BE PERFORMED ON ALL SLOPES 3:1 OR GREATER TO INCREASE STABILIZATION BY SEEDING OPERATIONS.

VEGETATIVE -
TOPSOILING-STD. 3.30.....TOPSOIL SHALL BE REMOVED FROM WITHIN THE LIMITS OF THE PROJECT AND STORED FOR LATER USE. AFTER GRADING OPERATIONS ARE COMPLETE, TOPSOIL MATERIAL SHALL BE PLACED ALONG THE TOP OF THE EMBANKMENT AND AT ADDITIONAL AREAS WITHIN THE POND AREAS TO STABILIZE THE SIDE SLOPES, ETC.

TEMPORARY SEEDING-STD. 3.31.....ESTABLISHMENT OF A TEMPORARY VEGETATIVE COVER ON DISTURBED AREAS THAT WILL NOT BE BROUGHT TO FINAL GRADE FOR PERIODS OF 30 DAYS TO 1-YEAR BY SEEDING WITH AN APPROPRIATE RAPIDLY GROWING SEED MIXTURE.

PERMANENT SEEDING-STD. 3.32.....ESTABLISHMENT OF A VEGETATIVE COVER BY PLANTING SEED ON ALL FINAL GRADED AREAS THAT WILL NOT RECEIVE AN IMPERVIOUS COVER OR RECEIVE TOPSOIL MATERIAL TO PROVIDE A STABILIZED SITE AFTER THE PROJECT IS COMPLETE.

MULCHING-3.35.....MULCH SHALL BE APPLIED TO ALL TEMPORARY AND PERMANENT SEEDING OPERATIONS TO PROMOTE THE GROWTH OF VEGETATION AND TO PROTECT THE SOIL SURFACE FROM RAINDROP IMPACTS.

SOIL STABILIZATION BLANKETS & MATTING-3.36.....UPON COMPLETION OF GRADING OPERATIONS FOR THE AREA ALONG THE CUL-DE-SAC EMBANKMENT, A DEGRADABLE BLANKET SHALL BE INSTALLED ON ALL SLOPES 3:1 OR GREATER TO PROMOTE STABILIZATION DUE TO SEEDING OPERATIONS.

DUST CONTROL-STD. 3.39.....DUE TO THE PROXIMITY OF THE PROJECT TO OTHER RESIDENTIAL SUBDIVISIONS, CONTRACTOR SHALL TAKE CARE TO REDUCE/PREVENT SURFACE AND AIR MOVEMENT OF DUST FROM EXPOSED SOIL SURFACES.

MANAGEMENT STRATEGIES:
A) CONSTRUCTION WILL BE SEQUENCED SO THAT GRADING OPERATIONS CAN BEGIN AND END AS QUICKLY AS POSSIBLE.
B) SEDIMENT TRAPPING MEASURES WILL BE INSTALLED AS A FIRST STEP IN GRADING.
C) THE LOCAL PROGRAM ADMINISTRATOR RESERVES THE RIGHT TO ADD TO, DELETE OR OTHERWISE CHANGE THE EROSION CONTROL MEASURES AS DEEMED NECESSARY DUE TO ACTUAL FIELD CONDITIONS BY WRITTEN NOTIFICATION TO THE CONTRACTOR.
D) ALL FILL AND CUT SLOPES SHALL BE SEEDED WITHIN SEVEN (7) DAYS OF ACHIEVING FINAL GRADE.
E) ONLY AFTER INSPECTION AND APPROVAL FROM THE LOCAL PROGRAM ADMINISTRATOR MAY ITEMS BE REMOVED FOLLOWING THE STABILIZATION OF THE CONTRIBUTING AREAS.

INSPECTIONS:
THE GENERAL CONTRACTOR SHALL INSPECT DISTURBED AREAS OF THE SITE THAT HAVE NOT BEEN FINALLY STABILIZED, AND AREAS USED FOR STORAGE OF MATERIALS THAT ARE EXPOSED TO PRECIPITATION, STRUCTURAL CONTROL MEASURES, AND THE AREA OF CONSTRUCTION VEHICLE ACCESS AT LEAST EVERY FOURTEEN (14) CALENDAR DAYS, AND WITHIN 48 HOURS OF THE END OF A STORM EVENT PRODUCING 1/2" OR GREATER OF PRECIPITATION. WHERE AREAS HAVE BEEN FINALLY OR TEMPORARILY STABILIZED OR RUNOFF IS UNLIKELY DUE TO WINTER CONDITIONS (SITE IS COVERED WITH SNOW, ICE, OR FROZEN GROUND EXISTS) SUCH INSPECTIONS SHALL BE CONDUCTED AT LEAST ONCE EVERY MONTH.
A) INSPECT DISTURBED AREAS AND AREAS OF MATERIALS STORAGE THAT ARE EXPOSED TO PRECIPITATION FOR EVIDENCE OF, OR THE POTENTIAL FOR SEDIMENT ENTERING THE STORM DRAIN SYSTEM. INSPECT E&S CONTROLS IN ACCORDANCE WITH REQUIREMENTS STATED HEREIN, AND INSPECT POINTS OF STORM DRAIN DISCHARGE FOR EXCESSIVE SEDIMENTATION. CORRECT SITE CONTROLS AS REQUIRED TO REDUCE SEDIMENTATION OF STORM DRAINS, CULVERTS, AND RECEIVING CHANNELS.
B) IF CONTROLS OR SEDIMENT PREVENTION AREAS ARE FOUND TO BE IN NEED OF REPAIR OR MODIFICATION, THE GENERAL CONTRACTOR SHALL PROVIDE ADDITIONAL MEASURES OR MODIFICATIONS TO EXISTING MEASURES AS REQUIRED. ANY ADDITIONAL MEASURES OR MODIFICATIONS TO EXISTING MEASURES SHALL BE RECORDED AS FIELD REVISIONS TO THESE PLANS. IN THE EVENT THAT ADDITIONAL CONTROLS ARE FOUND TO BE REQUIRED, THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR IMPLEMENTING THESE CONTROLS BEFORE THE NEXT ANTICIPATED STORM EVENT. IF IMPLEMENTATION BEFORE THE NEXT STORM EVENT IS IMPRACTICAL, THEY SHALL BE IMPLEMENTED AS SOON AS PRACTICAL.
C) A REPORT SUMMARIZING THE SCOPE OF INSPECTIONS, NAME OF INSPECTOR, INSPECTOR'S QUALIFICATIONS, DATES OF INSPECTIONS, MAJOR OBSERVATIONS PERTAINING TO THE IMPLEMENTATION OF THESE EROSION CONTROL PLANS, AND ACTIONS TAKEN SHALL BE MADE AND RETAINED AS A PART OF THESE PLANS. MAJOR OBSERVATIONS OF THESE REPORTS SHALL INCLUDE: THE LOCATIONS OF EXCESSIVE SEDIMENTATION FROM THE SITE; LOCATIONS OF CONTROLS IN NEED OF REPAIR; LOCATIONS OF FAILED OR INADEQUATE CONTROLS; AND LOCATIONS WHERE ADDITIONAL CONTROLS ARE NEEDED.

STORMWATER MANAGEMENT:
A PERMANENT STORMWATER MANAGEMENT FACILITY IS CURRENTLY IN PLACE WITHIN THE LIMITS OF THE RUSSLEN FARMS DEVELOPMENT TO PROTECT DOWNSTREAM CHANNELS/FACILITIES FROM INCREASED FLOWS ANTICIPATED FROM THE DEVELOPMENT.

(TS) TEMPORARY SEEDING

DISTURBED AREAS THAT WILL NOT BE BROUGHT TO FINAL GRADE FOR A PERIOD OF MORE THAN 30 DAYS SHALL BE STABILIZED WITH TEMPORARY SEEDING MEASURES AS SHOWN HEREON, AND AS FURTHER DETAILED AS "STANDARD AND SPECIFICATION 3.31 OF THE VIRGINIA EROSION AND SEDIMENT CONTROL HANDBOOK", LATEST EDITION. IN ADDITION TO AREAS OF GENERAL GRADING THAT WILL NOT BE FINE-GRADED FOR GREATER THAN 30 DAYS, THE FOLLOWING SPECIFIC E&S MEASURES SHALL BE STABILIZED WITH TEMPORARY SEEDING IMMEDIATELY UPON COMPLETION OF CONSTRUCTION OF THE TEMPORARY MEASURE:
- SOIL STOCKPILES
- DIKES, DAMS, AND SIDES OF SEDIMENT BASINS
- TEMPORARY ROADWAY EMBANKMENTS

PRIOR TO SEEDING, INSTALL NECESSARY EROSION CONTROL PRACTICES SUCH AS DIKES, WATERWAYS, AND BASINS. PROVIDE PLANTS AS SPECIFIED HEREIN, OR ENGINEER-APPROVED EQUAL.
SEEDBED PREPARATION:
LIME SHALL BE APPLIED IF DISTURBED AREAS WILL REMAIN DORMANT BETWEEN 30 DAYS AND 120 DAYS. IF REQUIRED, LIME SHALL BE APPLIED AS SHOWN, BASED ON SOIL ACIDITY.

pH	APPLICATION OF AGRICULTURAL LIMESTONE
BELOW 4.2	3 TONS PER ACRE
4.2 TO 5.2	2 TONS PER ACRE
5.2 TO 6.0	1 TON PER ACRE
ABOVE 6.0	LIME NOT REQUIRED

FERTILIZER SHALL BE APPLIED AS 600 LBS/ACRE OF 10-20-10 OR EQUIVALENT NUTRIENTS. LIME (AS APPLICABLE) AND FERTILIZER SHALL BE INCORPORATED INTO THE TOP 2 TO 4 INCHES OF SOIL, IF POSSIBLE.

SURFACE ROUGHENING SHALL BE REQUIRED WHERE AREAS TO BE SEEDED HAVE BEEN COMPACTED, CRUSTED, OR HARDENED BY CONSTRUCTION TRAFFIC. AS REQUIRED, SEEDBEDS SHALL BE ROUGHENED IN ACCORDANCE WITH STANDARD AND SPECIFICATION 3.29 OF THE VIRGINIA EROSION AND SEDIMENT CONTROL HANDBOOK. (TRACKING WITH BULLDOZER CLEATS SHALL BE USED IN SANDY SOILS)

SEEDING:
SEED SHALL BE EVENLY APPLIED WITH THE SAME MEANS SPECIFIED HEREIN FOR PERMANENT SEEDING. SMALL GRAINS SHALL BE PLANTED NO MORE THAN ONE INCH DEEP. GRASSES AND LEGUMES SHALL BE PLANTED WITH NO LESS THAN 1/4" OF SOIL COVER.

MULCHING:
SEEDINGS MADE IN FALL FOR WINTER COVER AND DURING HOT AND DRY SUMMER MONTHS SHALL BE MULCHED ACCORDING TO STANDARD AND SPECIFICATION 3.35 OF THE VIRGINIA EROSION AND SEDIMENT CONTROL HANDBOOK, EXCEPT THAT FIBER MULCH MAY NOT BE USED. STRAW MULCH SHALL BE USED DURING THESE PERIODS.

TEMPORARY SEEDINGS MADE UNDER FAVORABLE SOIL AND SITE CONDITIONS DURING OPTIMUM SPRING AND FALL SEEDING DATES MAY NOT REQUIRE MULCH.

RE-SEEDING:
AREAS WHICH FAIL TO ESTABLISH VEGETATIVE COVER ADEQUATE TO PREVENT RILL EROSION SHALL BE RE-SEEDED AS SOON AS SUCH AREAS ARE IDENTIFIED.

ACCEPTABLE TEMPORARY SEEDING PLANT MATERIALS BY RANGE OF PLANTING DATES:

09/01 TO 02/15	ANNUAL RYEGRASS @ 50 LB / ACRE WINTER RYE @ 50 LB / ACRE
02/16 TO 04/30	ANNUAL RYEGRASS @ 100 LB / ACRE
05/01 TO 08/31	GERMAN MILLET @ 50 LB / ACRE

(PS) PERMANENT SEEDING

DISTURBED AREAS SHALL BE PERMANENTLY SEEDED WITHIN SEVEN (7) DAYS OF ACHIEVING FINAL GRADE, OR ON DISTURBED AREAS THAT WILL NOT BE BROUGHT TO FINAL GRADE WITHIN ONE YEAR.

TYPE A	TYPE B (SLOPES 3:1 OR STEEPER)
03/15 TO 05/15 OR 08/16 TO 10/31: ANNUAL RYEGRASS @ 20 LB / ACRE RED TOP @ 2 LB / ACRE TALL FESCUE @ 150 LB / ACRE	03/15 TO 05/15 OR 08/16 TO 10/31: CROWN VETCH @ 20 LB / ACRE ANNUAL RYEGRASS @ 20 LB / ACRE RED TOP @ 20 LB / ACRE KY 31 FESCUE @ 108 LB / ACRE
05/16 TO 08/15: FOXTAIL MILLET @ 20 LB / ACRE RED TOP @ 20 LB / ACRE TALL FESCUE @ 150 LB / ACRE	05/16 TO 08/15: CROWN VETCH @ 20 LB / ACRE FOXTAIL MILLET @ 20 LB / ACRE RED TOP @ 20 LB / ACRE KY 31 FESCUE @ 108 LB / ACRE
11/01 TO 02/28: WINTER RYE @ 20 LB / ACRE RED TOP @ 20 LB / ACRE TALL FESCUE @ 150 LB / ACRE	11/01 TO 02/28: CROWN VETCH @ 20 LB / ACRE WINTER RYE @ 20 LB / ACRE RED TOP @ 20 LB / ACRE KY 31 FESCUE @ 108 LB / ACRE

LIME: 4,000 LB / ACRE PULVERIZED AGRICULTURAL LIMESTONE

FERTILIZER: 10-20-10 @ 1,000 LB / ACRE

MULCH: SHALL BE USED OVER ALL SEEDED AREAS AND SHALL BE APPLIED IN STRICT ACCORDANCE WITH STANDARD AND SPECIFICATION 3.35 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 CITY ENGINEER.

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.

THE FOLLOWING ARE REPRESENTIVE DETAILS FOR THE STATE MINIMUM STANDARDS AND SPECIFICATIONS RELATIVE TO THE PROPOSED PROJECT. THE GENERAL CONTRACTOR SHALL RELY ON THE COMPLETE STANDARD AS INDICATED IN THE VIRGINIA EROSION AND SEDIMENT CONTROL HANDBOOK FOR PROPER INSTALLATION, CONSTRUCTION AND MAINTENANCE OF THE INDIVIDUAL ITEMS REQUIRED BY THESE PLANS OR AS MAY BE REQUIRED BY THE LOCAL GOVERNING AUTHORITY.

(SR) SURFACE ROUGHENING

NO APPLICABLE DETAILS APPLY. REFER TO SPECIFICATION 3.29 OF THE VIRGINIA EROSION AND SEDIMENT CONTROL HANDBOOK, LATEST EDITION FOR SPECIFIC REQUIREMENTS.

(TO) TOPSOILING

NO APPLICABLE DETAILS APPLY. REFER TO SPECIFICATION 3.30 OF THE VIRGINIA EROSION AND SEDIMENT CONTROL HANDBOOK, LATEST EDITION FOR SPECIFIC REQUIREMENTS.

(MU) MULCHING

NO APPLICABLE DETAILS APPLY. REFER TO SPECIFICATION 3.35 OF THE VIRGINIA EROSION AND SEDIMENT CONTROL HANDBOOK, LATEST EDITION FOR SPECIFIC REQUIREMENTS.

(DC) DUST CONTROL

NO APPLICABLE DETAILS APPLY. REFER TO SPECIFICATION 3.39 OF THE VIRGINIA EROSION AND SEDIMENT CONTROL HANDBOOK, LATEST EDITION FOR SPECIFIC REQUIREMENTS.

(SAF) SAFETY FENCE

NO APPLICABLE DETAILS APPLY. REFER TO SPECIFICATION 3.01 OF THE VIRGINIA EROSION AND SEDIMENT CONTROL HANDBOOK, LATEST EDITION FOR SPECIFIC REQUIREMENTS.

(CRS) CONSTRUCTION ROAD STABILIZATION

NO APPLICABLE DETAILS APPLY. REFER TO SPECIFICATION 3.03 OF THE VIRGINIA EROSION AND SEDIMENT CONTROL HANDBOOK, LATEST EDITION FOR SPECIFIC REQUIREMENTS.

RESPONSIBLE LAND DISTURBER CERTIFICATION

THE OWNER OF THIS PROJECT SHALL NAME ONE PERSON RESPONSIBLE FOR ALL LAND DISTURBANCE ACTIVITIES AND EROSION CONTROL MEASURES. THE PERSON NAMED SHALL HOLD A VALID "RESPONSIBLE LAND DISTURBER CERTIFICATE" UNDER THE GENERAL ASSEMBLY REVISIONS TO THE VIRGINIA EROSION & SEDIMENT CONTROL LAW AS REVISED JULY 01, 2001. THE PERSON NAMED WILL BE IN CHARGE OF AND RESPONSIBLE FOR CARRYING OUT ALL EROSION CONTROL MEASURES. he PERSON NAMED SHALL AFFIX SIGNED AND PRINTED NAME TO ONE COPY OF THIS SHEET AND SUBMIT TO THE COUNTY OF ROANOKE DEPARTMENT OF COMMUNITY DEVELOPMENT. THE APPROVING AUTHORITIES WILL NOT ISSUE A LAND DISTURBING PERMIT UNTIL THIS NAME HAS BEEN PROVIDED TO SAID DEPARTMENT.

Printed Name	*Company Name*
Signature	*Contact Address*
Responsible Land Disturber Cert. No.	
Expiration Date	*Telephone*

COUNTY OF ROANOKE

REVISIONS			
No.	*Date*	*Remarks*	*By*
1	12/19/2005	ROANOKE COUNTY & VDOT COMMENTS	CWA
2	03/24/06	ROANOKE COUNTY & VDOT COMMENTS	CWA
3	06/05/06	ROANOKE COUNTY & VDOT COMMENTS	CWA

FOXFIELD AT RUSSLEN FARMS
SECTION 4

Designed: J.V.J.
Checked: J.V.J.
Revised: 06/05/06
Scale: No Scale
W.O. # 01-0090

EROSION & SEDIMENT CONTROL DETAILS

WVWA ID# 8PENKM

SHEET 20 OF 23