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SHEET TITLE:
**Grading, Erosion
and Sediment
Control Plan**

C05
05 OF 08
PROJECT NUMBER:
08-0022-02

This project does not anticipate off-site waste areas for topsoil stockpiles, or temporary stockpiles; however, off-site borrow material will be necessary to complete the design as shown. The location of these areas need to be submitted to the local governing authority and other local governing authorities where borrow occurs. Erosion control plans or measures may be required for these off-site locations, based on code limitations, disturbed areas, and EIS requirements of the borrow location.

1. PRIOR TO ANY GRADING, THE CONTRACTOR SHALL INSTALL THE REQUIRED INITIAL EROSION & SEDIMENT CONTROL MEASURES AS SHOWN ON THIS PLAN AND NOTED IN THE NARRATIVE.

1. PRIOR TO ANY GRADING, THE CONTRACTOR SHALL INSTALL THE REQUIRED INITIAL EROSION & SEDIMENT CONTROL MEASURES AS SHOWN ON THIS PLAN AND NOTED IN THE NARRATIVE.
2. THE CONTRACTOR SHALL COMPLY WITH LOCAL CODES IN OBSERVING EROSION CONTROL MEASURES BOTH ON AND OFF THE SITE. REFER TO THE VIRGINIA EROSION AND SEDIMENT CONTROL HANDBOOK FOR DETAILS AND SPECIFICATIONS OF THOSE EROSION CONTROL ITEMS FOUND ON THESE DRAWINGS. REFERENCE IS DIRECTED TO THE "EROSION CONTROL NARRATIVE & DETAILS".
3. THE LIMITS OF DISTURBANCE ARE SHOWN SHOWN ON SHEET C05.
4. LOCATION OF EXISTING UNDERGROUND UTILITIES ARE SHOWN AS APPROXIMATE. THE CONTRACTOR SHALL COORDINATE WITH "MISS UTILITY" AND THE LOCAL UTILITY COMPANIES TO HAVE UTILITIES MARKED PRIOR TO GRADING. THE CONTRACTOR SHALL VERIFY THE LOCATION OF ALL UTILITIES AND NOTIFY ALL UTILITY COMPANIES PRIOR TO BEGINNING ANY CONSTRUCTION. PARKER DESIGN GROUP DOES NOT WARRANT THE LOCATION OR DEPTH OF ANY UTILITIES SHOWN.
5. THE CONTRACTOR SHALL PROVIDE ALL SITE GRADING, GENERAL EXCAVATION, UTILITY TRENCHING & BACKFILLING, AND FINISH GRADING AS INDICATED ON THE DRAWINGS. WORK SHALL BE ACCOMPLISHED IN ACCORDANCE WITH VDOT STANDARDS AND SPECIFICATIONS. ALL FILLS AND BACKFILLS SHALL BE UNIFORMLY COMPACTED TO AT LEAST 95% OF THE STANDARD PROCTOR MAXIMUM DENSITY.
6. THE CONTRACTOR SHALL PROVIDE POSITIVE DRAINAGE AT ALL TIMES.
7. THE CONTRACTOR SHALL STOCKPILE ANY AVAILABLE TOPSOIL AND PLACE THE TOPSOIL AT THE COMPLETION OF THE PROJECT.

1. CONTRACTOR SHALL INSTALL INITIAL PHASE EROSION & SEDIMENT CONTROL ITEMS INCLUDING, BUT NOT LIMITED TO, CONSTRUCTION ENTRANCE, SILT FENCE, TREE PRESERVATION, AND THE DIVERSION DIKE UPSTREAM OF THE INFILTRATION AREA.
2. DUE TO EXISTING GRADES AND LOCATION OF INFILTRATION PIPES, THE CONTRACTOR SHALL EXCAVATE THE INFILTRATION TRENCH AREA, INSTALL UNDERGROUND PIPES, AND BACKFILL PRIOR TO PERFORMING CONSTRUCTION OF THE PROPOSED WALL, FENCING OF THE SITE, OR ANY OTHER WORK. (THIS IS AN ENGINEER DESIGN DECISION IN CONTRADICTION WITH THE NORMAL CONSTRUCTION OF INFILTRATION AREAS.) DURING THE CONSTRUCTION OF THE INFILTRATION AREA, THE CONTRACTOR SHALL INSURE THAT UPSTREAM RUNOFF DOES NOT ENTER THE DISTURBED AREAS. BY MEANS OF A DIVERSION DIKE, ONCE THE INFILTRATION AREA HAS BEEN CONSTRUCTED AND SEEDED, THE CONTRACTOR SHALL PROTECT THE INFILTRATION AREA IN THE FOLLOWING MANNER:
 - A. PROVIDE SILT FENCE ON THE UPPER SIDE OF THE INFILTRATION AREA AND RETAINING WALL.
 - B. CAP THE INLET PIPE TO THE INFILTRATION AREA UNTIL THE "VOLUME STORMFILTER" HAS BEEN INSTALLED.
 - C. ONCE THE "VOLUME STORMFILTER" HAS BEEN INSTALLED, PROVIDE EXCAVATED INLET PROTECTION TO THE INLET OF THE STRUCTURE.
3. CONSTRUCT THE PROPOSED RETAINING WALL AND FILL THE SITE AS SHOWN ON THE PLANS. INSTALL THE "VOLUME STORMFILTER" AND PROVIDE EXCAVATED INLET PROTECTION. PROTECT THE GRATE INLET OF THIS STRUCTURE UNTIL THE CONSTRUCTION ROAD STABILIZATION OR PAVEMENT SECTION STONE HAS BEEN PLACED. ONCE THE STONE HAS BEEN PLACED, PROVIDE GRAVEL AND WIRE MESH INLET PROTECTION. AT THIS TIME, FLOW CAN BE ALLOWED INTO THE "VOLUME STORMFILTER" AND THE INFILTRATION AREA PIPES.
4. PROVIDE TEMPORARY AND/OR PERMANENT SEEDING TO THE GRASSED AREAS IN ACCORDANCE WITH THE REQUIREMENTS OF THESE SECTIONS.
5. ONCE ALL GRASSED AREAS HAVE BEEN STABILIZED WITH A GOOD STAND OF GRASS, THE CONTRACTOR SHALL REMOVE THE EROSION CONTROL ITEMS AND RETURN GRADES TO NATURAL CONDITIONS.

