

**GENERAL EROSION AND SEDIMENT CONTROL NOTES**

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, latest edition and Virginia Regulations 4VAC50-30. Erosion and Sediment Control Regulations.

ES-2: The plan approving authority must be notified one week prior to the preconstruction conference, one week prior to the commencement of land disturbing activity, and one week 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 shall be maintained on the site at all times.

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 land disturbing activities and during site development until final stabilization is achieved.

ES-8: During devastating operations, 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.

**ACS**  
**DESIGN**

**EROSION CONTROL LEGEND AND GENERAL NOTES**  
Refer to and comply with the Standards and Specifications of the Virginia Erosion & Sediment Control Handbook, latest edition. This information is based on and modeled after it and is provided as a quick reference.

[WWW.ACSDESIGNINC.COM](http://WWW.ACSDESIGNINC.COM) ■ **ENGINEERING** ■ **SURVEYING** ■ **LANDSCAPE ARCHITECTURE** ■ **CONSTRUCTION MANAGEMENT**

**ACS DESIGN** EROSION & SEDIMENT CONTROL MINIMUM STANDARDS  
Refer to and comply with the Standards and Specifications of the Virginia Erosion & Sediment Control Handbook, latest edition. This information is based on and modeled after it and is provided as a quick reference.  
[www.acsdesignllc.com](http://www.acsdesignllc.com) ■ ENGINEERING ■ SURVEYING ■ LANDSCAPE ARCHITECTURE ■ CONSTRUCTION MANAGEMENT

**PROJECT DESCRIPTION**

The project is adjacent to U.S. Route 220 between the towns of Boones Mill and Rocky Mount in Franklin County, Virginia. The purpose of this project is to construct a short-run gravity sewer line into a raw sewage pumping station, which will send raw sewage through a 3-inch sanitary sewer force main to another gravity sewer line, which will convey the raw sewage to a new wastewater treatment plant. The new treatment plant will include a laboratory building. The treated effluent from the treatment plant will surface discharge into an upstream tributary of the Blackwater River. This entire system is being created to provide sewage treatment and disposal for planned commercial and residential projects being developed by Wirtz Services, LLC.

The project corridor is a 20-foot-wide easement across undeveloped and commercial properties and along roadways. The existing conditions include a mix of grassy, paved and wooded areas.

Areas adjacent to the project corridor include undeveloped and commercial properties and roadways. The terrain adjacent to the project corridor is a mix of grassy, paved and wooded areas. It is mostly adjacent to a highway and surrounded by existing mixed use commercial development.

No off-site areas will be disturbed as part of this project except for access and staging

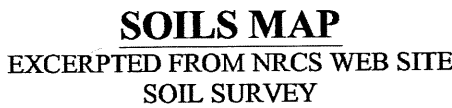
See the Soils Map on this sheet for additional information.

**CRITICAL AREAS**  
Some portions of the work will traverse steep slopes for short distances.

1. **Temporary Construction Entrance (Section 3.02)** One temporary construction entrance will be installed. The entrance shall be composed of graded 3-inch stone to a minimum depth of 6 inches. The entrance shall also run for a minimum distance of not less than 70 feet back from the existing edge of pavement.
2. **Silt Fence (Section 3.05)** Temporary silt fence shall be installed along the peripheries of the areas disturbed for the pump station and the wastewater treatment plant.
3. **Culvert Inlet Protection (Section 3.08)** In order to prevent sediment-laden runoff from clogging the culvert during construction, the culvert inlets to be used on the proposed culvert until upland areas are stabilized.
4. **Diversion (Section 3.12)** A diversion dike will be installed at the pump station site as indicated on the site plan. After every rainfall producing runoff, the dike shall be inspected and repaired as needed.
5. **Riprap (Section 3.19)** A permanent, erosion-resistant ground cover of large, loose, angular stone with filter fabric or granular underlayment shall be placed to protect the slope and channel at the end of the diversion dike.
6. **Surface Roughening (Section 3.29)** Surface roughening will be employed on all 2:1 slopes or slopes exceeding 2:1.
7. **Permanent Seeding (Section 3.32)** All areas disturbed by construction shall be stabilized with permanent seeding immediately following finish grading. Erosion control blankets will be installed over fill slopes which have been brought to final grade and shall be seeded immediately after construction and to allow seed to germinate properly. Mulch (straw or other organic fiber) will be used on relatively flat areas. In all seeding operations, seed, fertilizer and lime will be applied prior to mulching.
8. **Mulching (Section 3.35)** Mulch shall be used over all seeded areas and shall be applied in accordance with Standard and Specification 3.35 of the Virginia Erosion and Sediment Control Handbook, latest edition.

Permanent stabilization will be accomplished by establishment of turf.

Calculations are provided in the "Design Notes" document.



COMMONWEALTH OF VIRGINIA  
*Daniel M. Early*  
 DANIEL M. EARLY  
 Lic. No. 031787  
 16 JAN 2009  
 PROFESSIONAL ENGINEER

**ENGINEERING · SURVEYING**  
**LANDSCAPE ARCHITECTURE**  
**CONSTRUCTION MANAGEMENT**

\_\_\_\_\_

© ACS DESIGN, LLC - Material included herein is covered by copyright. Use of this work in whole or in part is strictly forbidden without the expressed written consent of ACS DESIGN, LLC.

REVISIONS:	
No. 1	
No. 2	
No. 3	
No. 4	
No. 5	

## EROSION CONTROL NOTES AND DETAILS