


EROSION & SEDIMENT CONTROL NARRATIVE

PROJECT DESCRIPTION

The purpose of this project is to construct a new Kroger Store, R-375 (58,860 SF). This project will include all necessary grading, parking, and utilities. The disturbed area for this project is 3.0 ac. 

EXISTING SITE CONDITIONS

The proposed store is located at Cave Spring Corners shopping center, Roanoke County, Virginia. The existing site is paved.

ADJACENT AREAS

Land use in the vicinity is commercial with residential neighborhood to the northwest. The existing shopping center and U.S. ROUTE 221 on the south, east, and west borders the site.

SOILS

Soils found at this site are common to the area. None of these soils have high erosion tendencies.

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 handbook. The minimum standards of the VESCR shall be adhered to unless otherwise waived or approved by a variance.

STRUCTURAL PRACTICES

- Storm Drain Inlet protection (Section 3.07)
- Permanent Seeding ( Section 3.32)  
After final grading permanent seeding will be employed to reduce erosion and sediment yield.  
  
Seeding Specifications:  
  
Permanent seeding shall be 50% Kentucky 31 Tall Fescue, 20% Annual Rye, 20% Perennial Rye, and 10% Creeping Red Fescue blended to contain 4 or more varieties, with no one variety exceeding 50%. The seed- ing will be applied at 140 lb. per acre.  
  
All seeding, with required associated practices, will be in accordance with all applicable sections of the Virginia Erosion and Sediment Control  
  
3. Dust Control (Section 3.39)  
If arid conditions prevail dust control practices will be employed as required.  
  
4. Construction Road Stabilization (Section 3.03)  
All roads and parking areas on the site shall be stabilized with gravel immediately after grading. Traffic is prohibited from entering drainage swales or streams unless absolutely necessary.

MANAGEMENT

- Construction should be sequenced so that grading operations can begin and end as quickly as possible.
- Erosion and Sediment control devices shall be installed as the first step of construction.
- Areas which are not to be disturbed shall be clearly marked by flags, signs, etc.
- The grading contractor shall be responsible for the installation and maintenance of all erosion and sediment control practices. Inspections are to be made periodically and after every significant rainfall.

MAINTENANCE

In general, all erosion and sediment control measures will be checked daily and after each significant rainfall. Any items not found in accordance with the Virginia Erosion and Sediment Control Handbook will be immediately replaced and/or repaired. The following items will be checked in particular:

- The seeded areas will be checked regularly to ensure that a good stand is maintained. Areas should be fertilized and re-seeded as needed. Sediment will be removed from the inlet protection when storage capacity has been approximately 50% filled

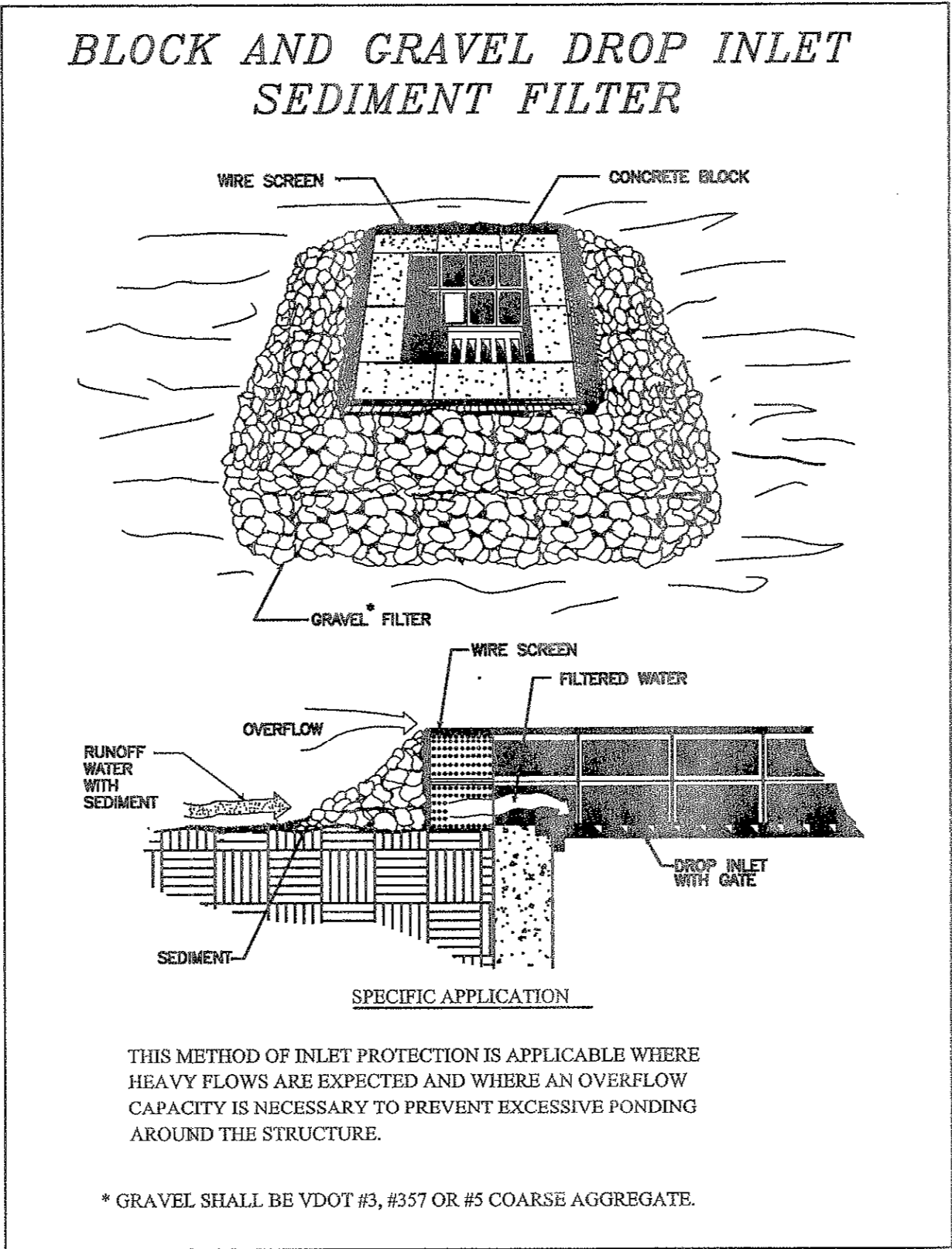
GENERAL

The erosion and sediment control measures shown on the construction plans are the minimum measures required. Due to construction phasing and other considerations all measures can not be shown. The owner, through his contractor, will employ whatever measures which may be required to assure that sediment laden runoff does not leave the site.

All materials and measures employed for erosion and sediment control will be in accordance with the Virginia Erosion and Sediment Control Handbook, latest edition.

If, during construction, additional Erosion and Sediment Control measures are deemed necessary, they shall be installed as directed by the Owner, Engineer or County agent.

This project is to be constructed consistent with the 1992 Virginia Erosion And Sediment Control Regulations.

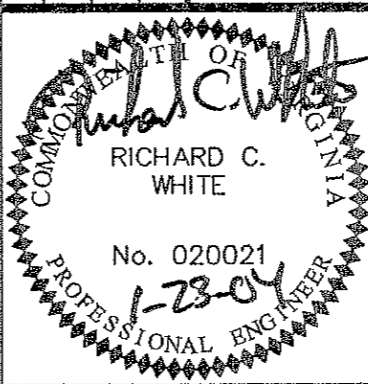


SOURCE: VA. DSWC

PLATE: 3.07-3

KROGER STORE R-375  
SITE PLAN  
ROANOKE COUNTY, VIRGINIA

NO.	DATE	DESCRIPTION	BY
1	1-14-04	ROANOKE COUNTY COMMENTS	DB



Designed By	KER
Drawn By	DJB
Checked By	RCW
Approved By	RCW
Submitted By	RCW
Drawing	2303ce&s.dwg
Date	07/7/03
Scale	NONE
Commission No.	2303C

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