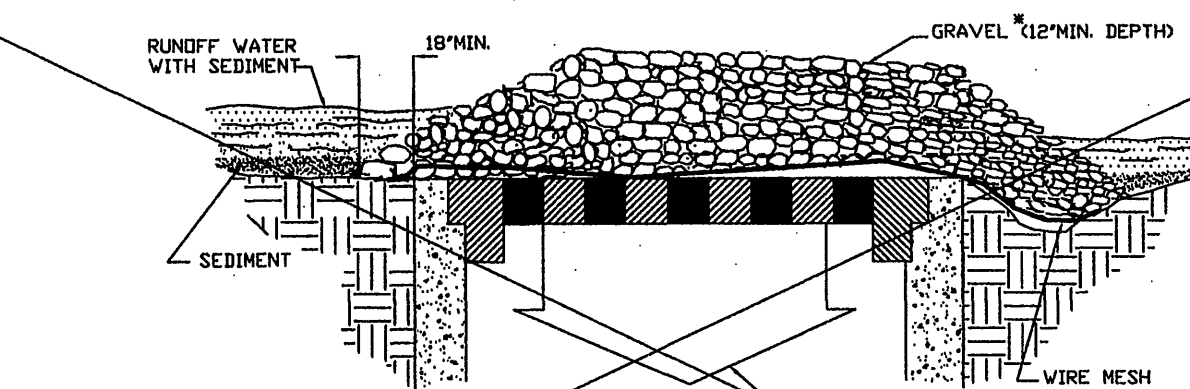
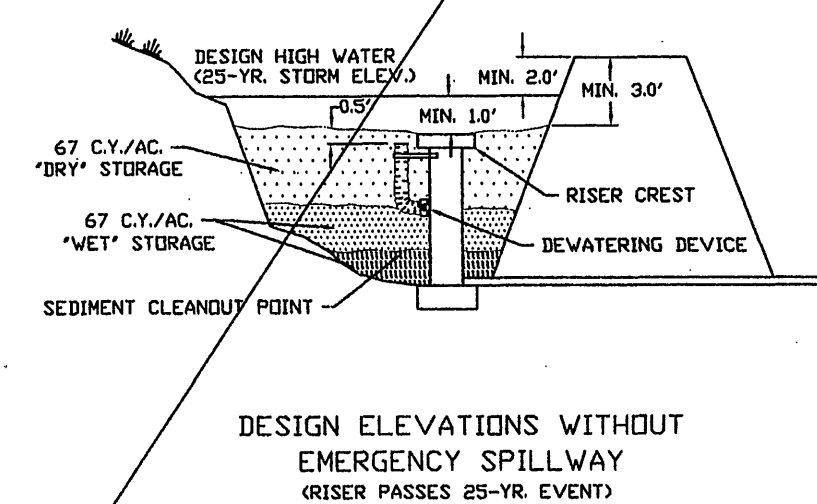
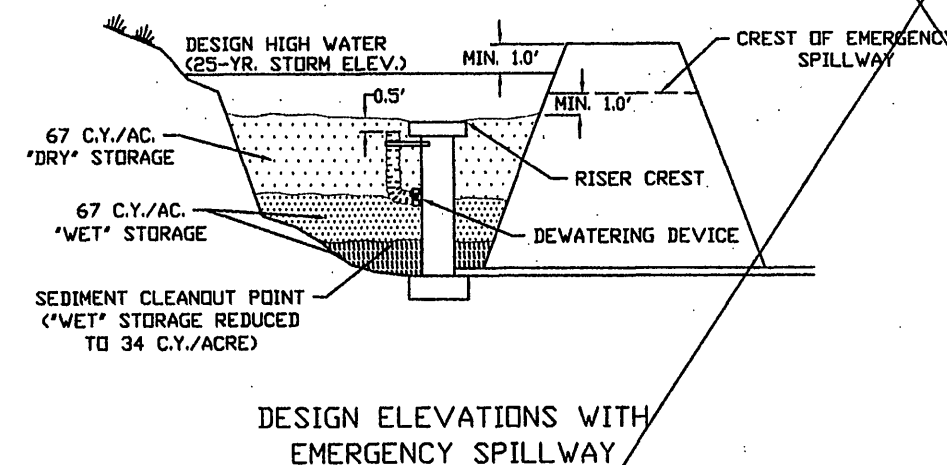


ALL COSTS GIVEN ARE COMPLETE IN PLACE

### GENERAL NOTES

- ## CONSTRUCTION NOTES

- ## SEDIMENT BASIN SCHEMATIC ELEVATIONS



**SPECIFIC APPLICATION**

This method of inlet protection is applicable where heavy concentrated flows are expected, but not where ponding around the structure might cause excessive inconvenience or damage to adjacent structures and unprotected areas.

\* Gravel shall be VDOT #3, #357 or #5 coarse aggregate.

(IP) GRAVEL AND WIRE MESH DROP INLET SEDIMENT FILTER

VARIBLE ■■■

ORIGINAL GROUND ELEV.

1.0'

VARIBLE ■■■

VARIBLE ■■■

67 CU. YD./ACRE

67 CU. YD./ACRE (EXCAVATED)

4.0' MAX.

1.0'

FILTER CLOTH

COARSE AGGREGATE ■■■

ORIGINAL GROUND ELEV.

CROSS-SECTION

■ SEE PLATE 3.13-1

CLASS 1 RIP-RAP

COARSE AGGREGATE ■■■

Length(ft) = 6 x Drainage Area (ac.)

DIVERSION DIKE

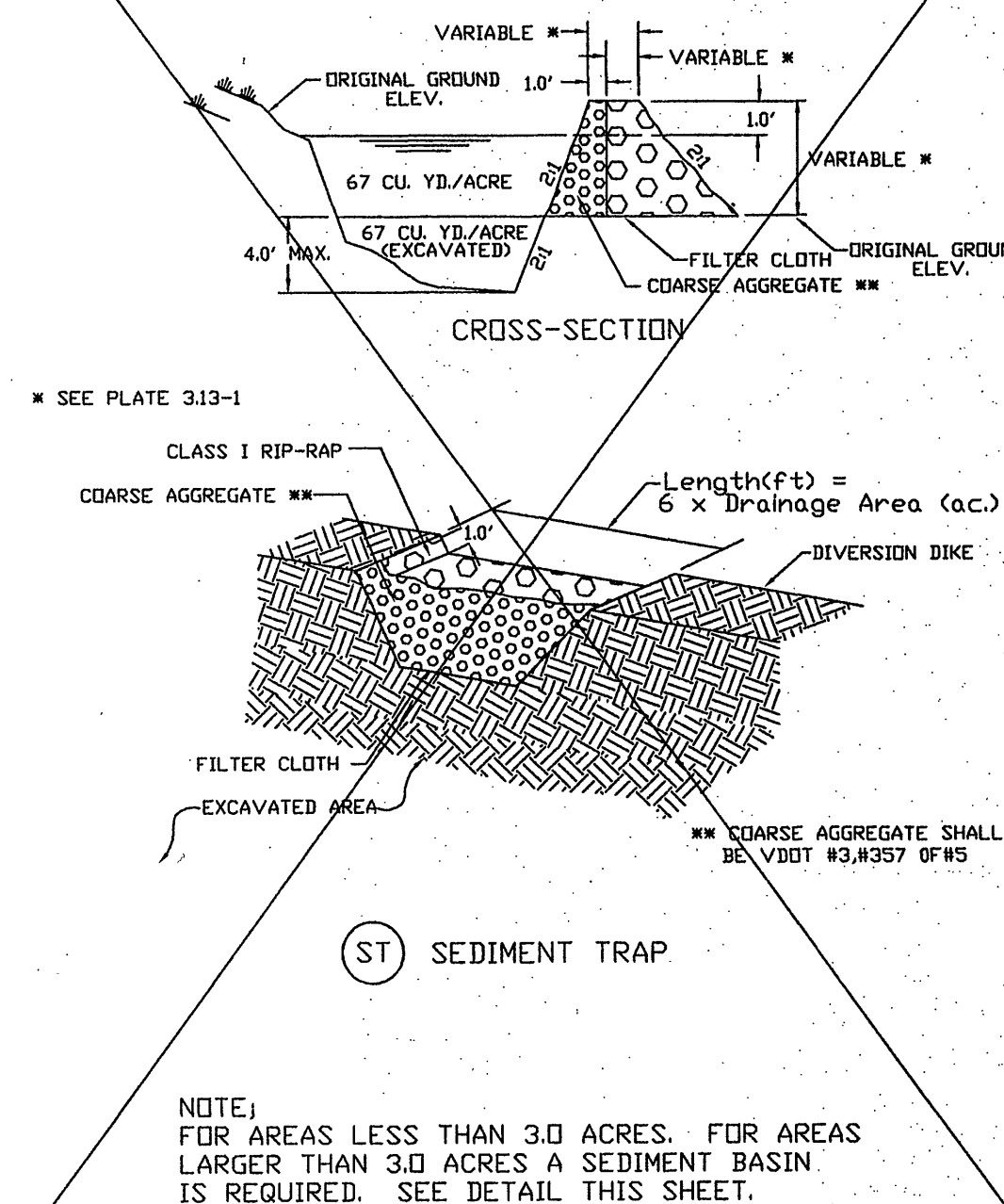
FILTER CLOTH

EXCAVATED AREA

■■■ COARSE AGGREGATE SHALL BE VDOT #3, #57 OF #5

(ST) SEDIMENT TRAP

NOTE:  
FOR AREAS LESS THAN 3.0 ACRES. FOR AREAS LARGER THAN 3.0 ACRES A SEDIMENT BASIN IS REQUIRED. SEE DETAIL THIS SHEET.



ALL COSTS GIVEN ARE COMPLETE IN PLACE

## GENERAL EROSION AND SEDIMENT CONTROL NOTES

1. ALL SOIL EROSION & SEDIMENT CONTROL MEASURES SHALL BE ACCOMPLISHED IN STRICT ACCORDANCE WITH THE STANDARDS AND SPECIFICATIONS CONTAINED IN THE VIRGINIA EROSION AND SEDIMENT CONTROL HANDBOOK, LATEST EDITION.
2. THE APPROVING AUTHORITY MAY ADD TO, DELETE, RELOCATE, CHANGE, OR OTHERWISE MODIFY CERTAIN EROSION AND SEDIMENT CONTROL MEASURES WHERE FIELD CONDITIONS ARE ENCOUNTERED THAT WARRANT SUCH MODIFICATIONS.
3. ALL SOIL EROSION AND SEDIMENT CONTROL MEASURES AS SHOWN ON THE PLAN SHALL BE PLACED IN ADVANCE OF THE WORK BEING PERFORMED, AS FAR AS PRACTICAL.
4. IN NO CASE DURING CONSTRUCTION SHALL WATER RUNOFF BE DIVERTED OR ALLOWED TO FLOW TO LOCATIONS WHERE ADEQUATE PROTECTION HAS NOT BEEN PROVIDED.
5. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO LEAVE THE SITE ADEQUATELY PROTECTED AGAINST EROSION, SEDIMENTATION, OR ANY DAMAGE TO ANY ADJACENT PROPERTY AT THE END OF EACH DAY'S WORK.
6. FOR THE EROSION CONTROL KEY SYMBOLS SHOWN ON THE PLANS, REFER TO THE VIRGINIA UNIFORM CODING SYSTEM FOR EROSION AND SEDIMENT CONTROL PRACTICES CONTAINED IN THE VIRGINIA EROSION AND SEDIMENT CONTROL HANDBOOK, LATEST EDITION. THESE SYMBOLS AND KEYWORDS SHALL BE UTILIZED ON ALL EROSION CONTROL PLANS SUBMITTED FOR FRANKLIN COUNTY.

## CLEARRWATER AVENUE WATERLINE REPLACEMENT PROJECT EROSION AND SEDIMENT CONTROL NARRATIVE

### PROJECT DESCRIPTION

This project consist of the installation of approximately 2,375 linear feet of 8-inch waterline adjacent to and with Clearwater Avenue.

## EXISTING SITE CONDITIONS

The site conditions vary, but in general consist of installing an 8-inch waterline within VDOT R.O.W. of Clearwater Avenue. The installation will also require a directional drill under Tinker Creek.

ADJACENT PROPERTY

No adjacent property is to be disturbed, the entire project shall remain within VDOT R.O.W. Silt fence will be installed as needed to protect Tinker Creek and adjacent property.

### OFFSITE AREAS

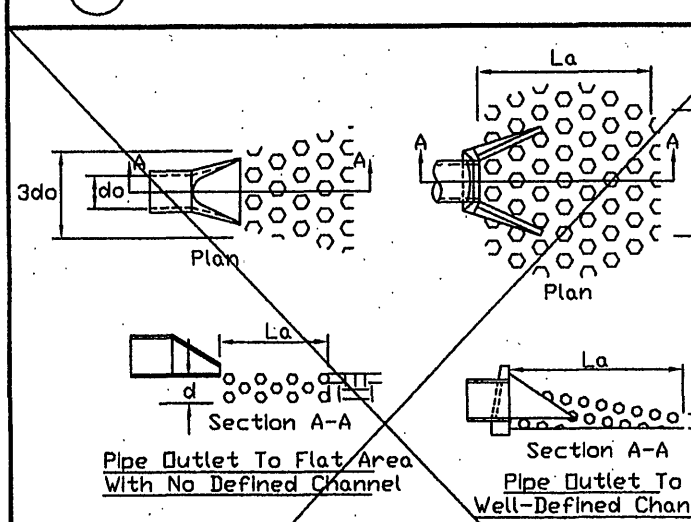
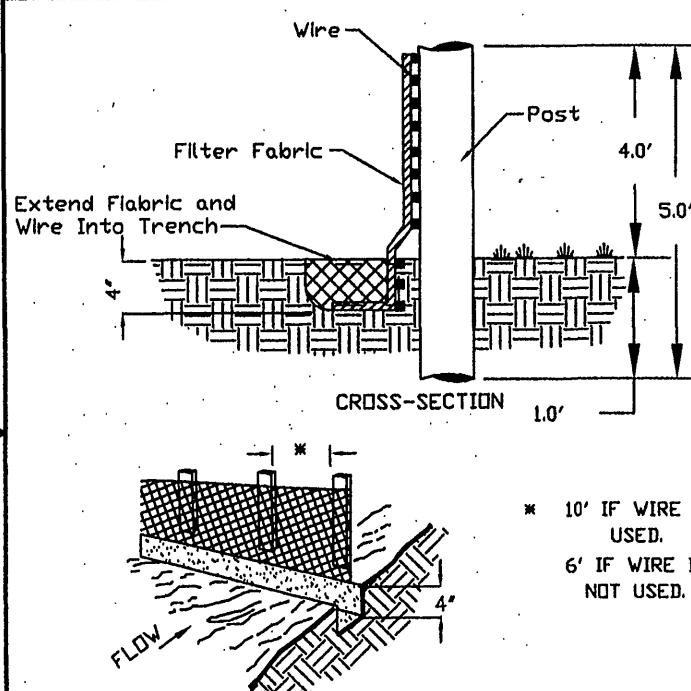
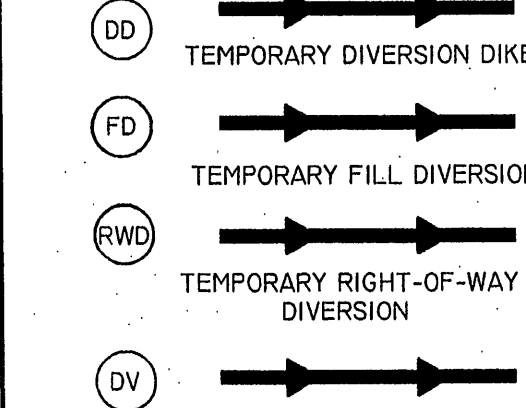
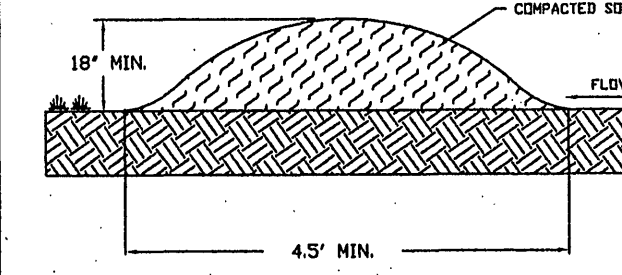
No offsite fill or borrow areas are anticipated for this project.

### CRITICAL EROSION AREAS

Inlets, streams, and other critical erosion areas will be protected in accordance with the Virginia Erosion and Sediment Control Handbook Latest Edition.

### EROSION AND SEDIMENT CONTROL MEASURES

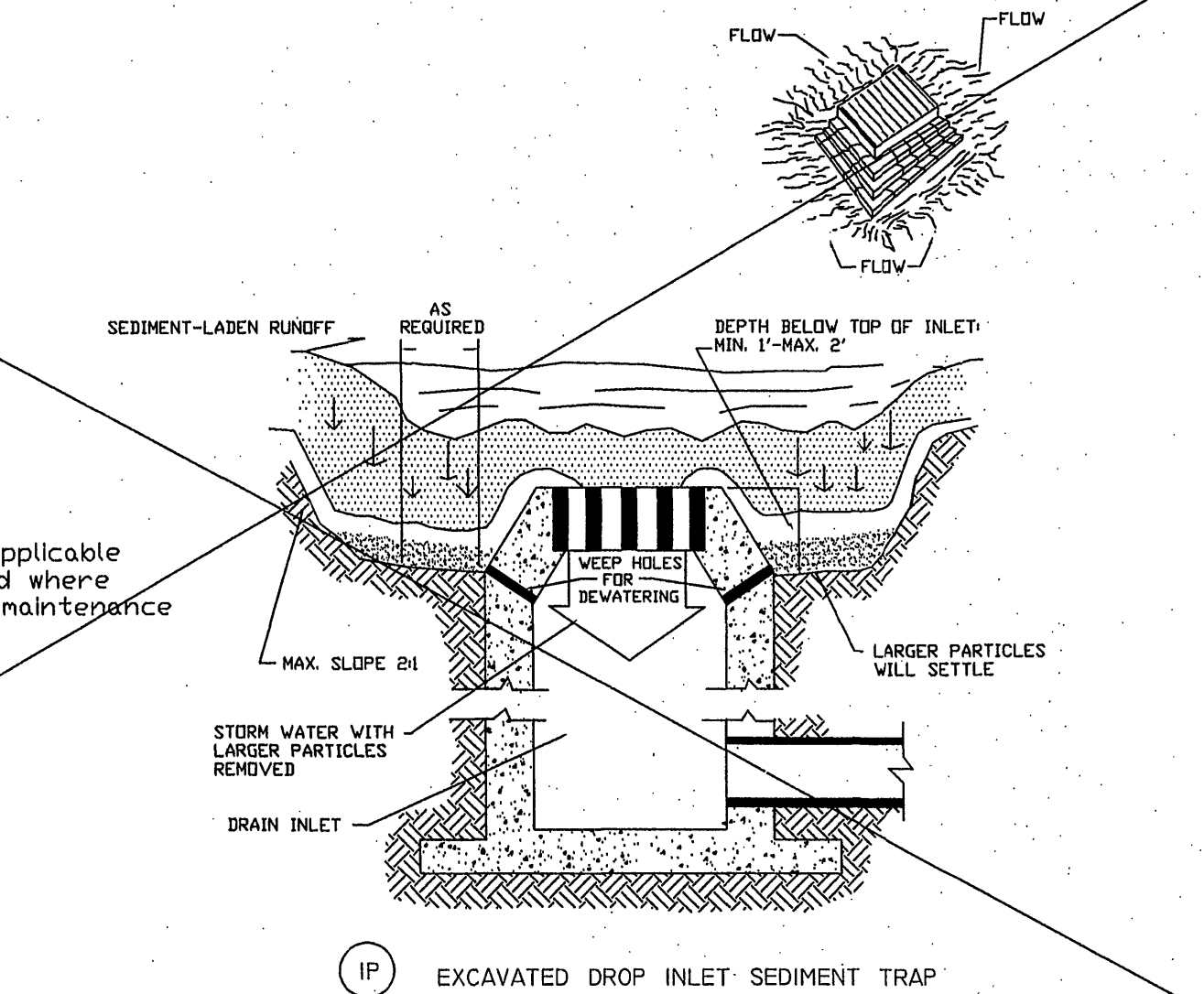
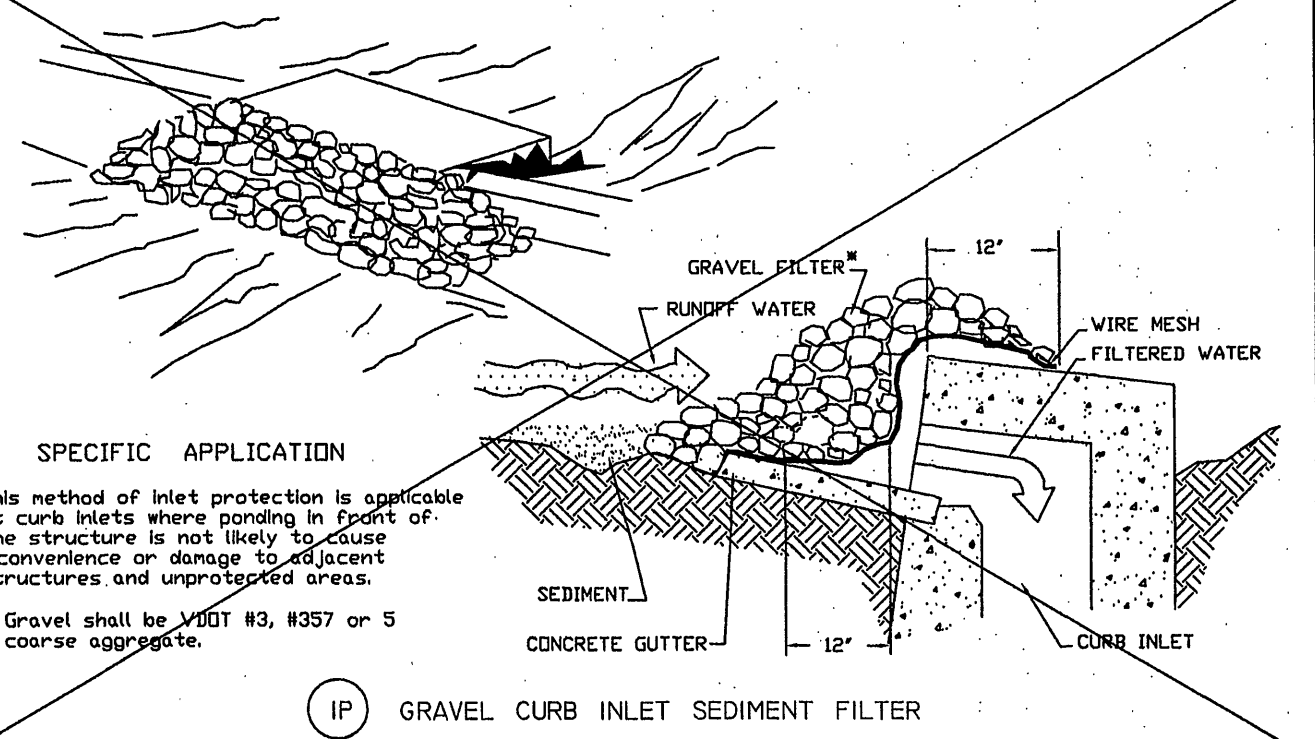
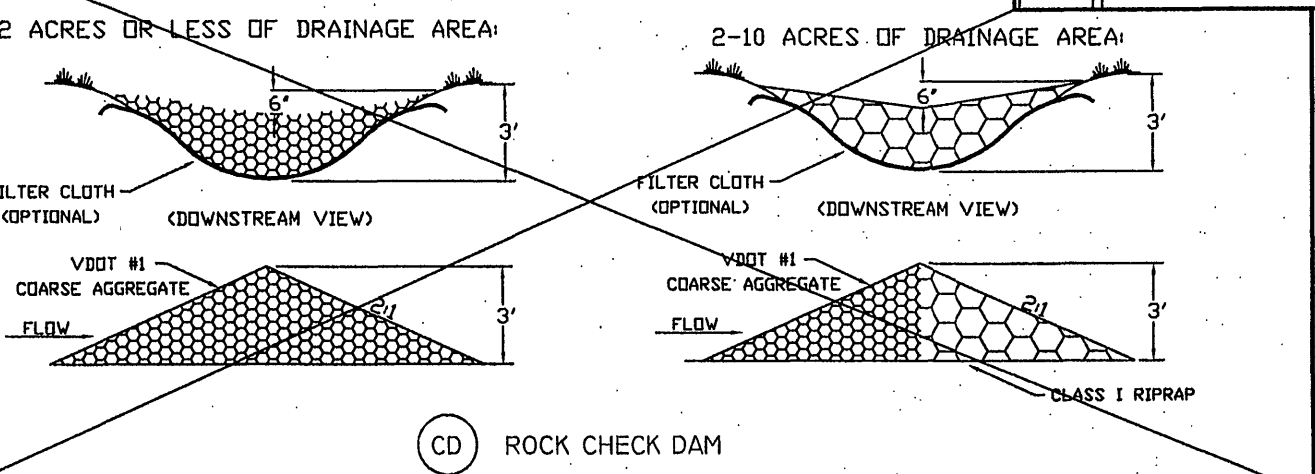
All measures to be in accordance with the Virginia Erosion and Sediment Control Handbook Latest Edition



OUTLET PROTECTION

NOTES

1. Apron lining may be rip-rap, grouted rip-rap, or concrete.
2.  $L_a$  is the length of the rip-rap apron as calculated using plates 1.36d and 1.36e.
3.  $d = 1.5$  times the maximum stone diameter, but not less than 6".



DEPARTMENT  
OF  
RING AND INSPECTIONS

1	ENGR. & INSPEC.	04-10-93
2	ENGR. & INSPEC.	08-05-93
3	ENGR. & INSPEC.	10-27-93
4		
5		
6		
NO.	REVISIONS	DATE

COUNTY OF ROANOKE

DATE:	11/02/93
SCALE:	NO SCALE
DRAWING BY:	CLN,AF
DESIGNED BY:	G:\CAD\DETAILS\EROSION\EROSION
APPROVED BY:	GWS,III

## EROSION & SEDIMENT CONTROL STORMWATER MANAGEMENT DETAILS

SHEET  
6  
OF  
7