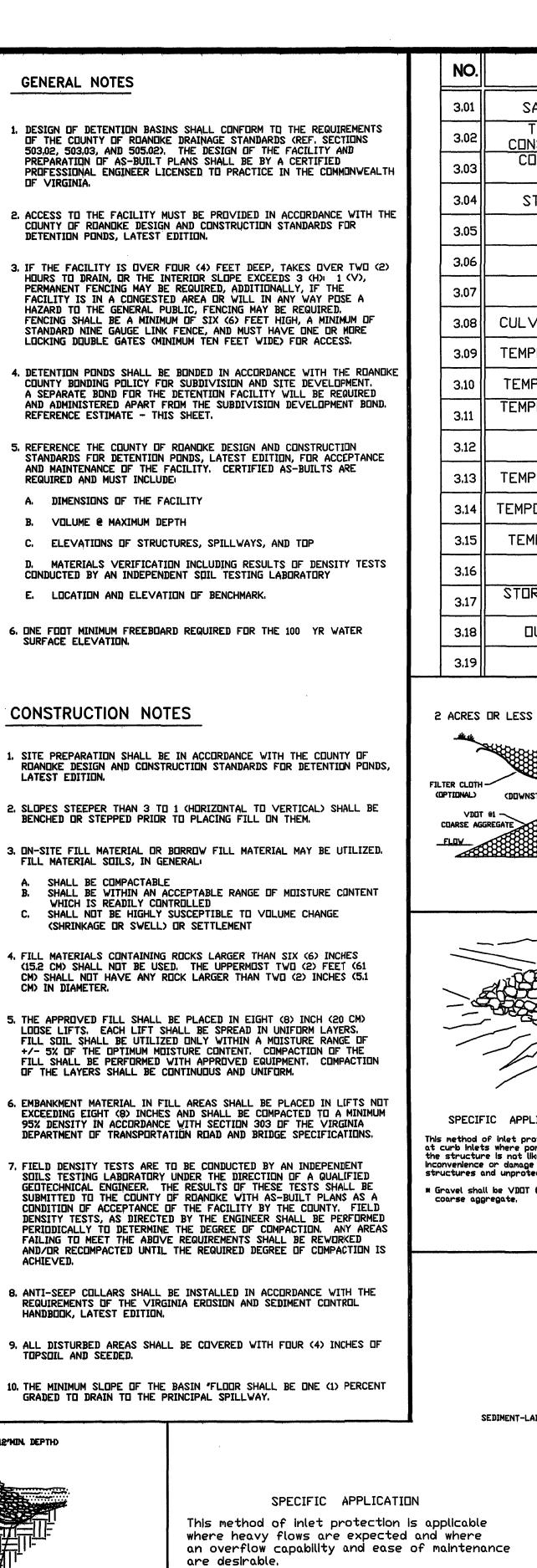
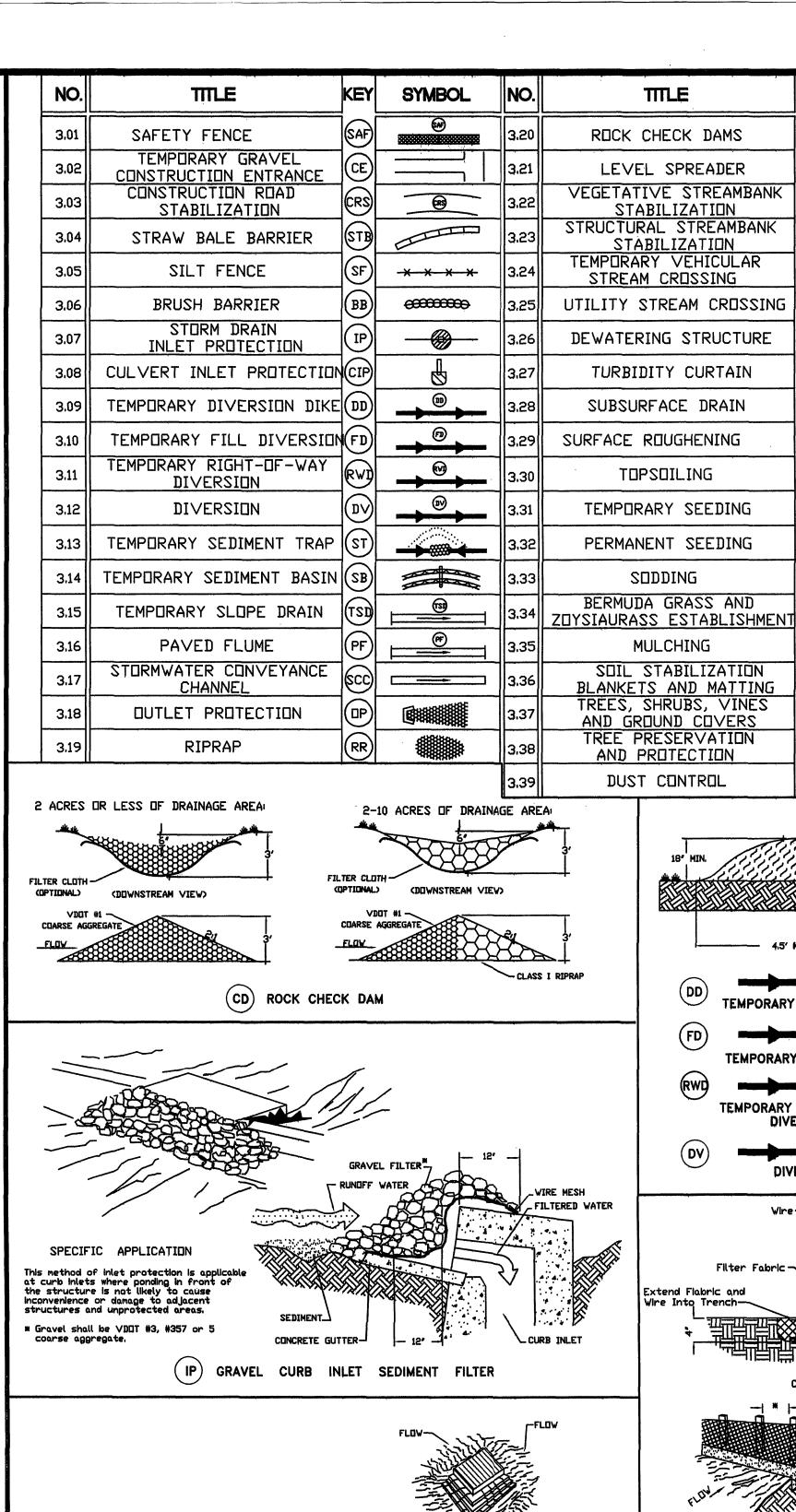
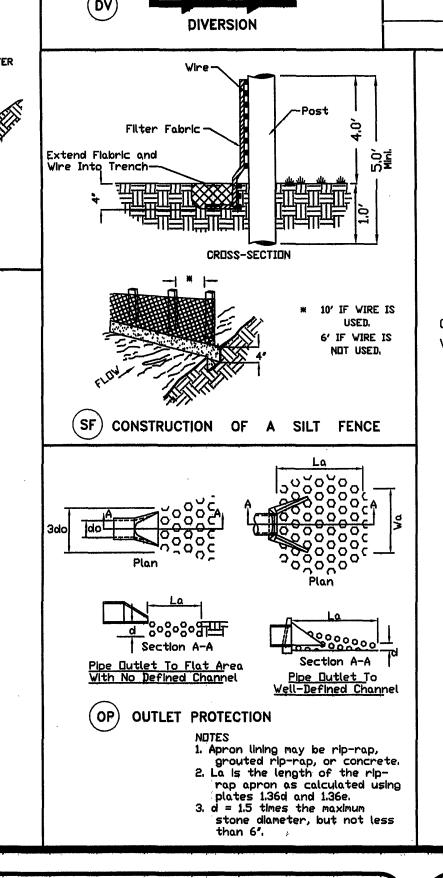
## SEDIMENT BASIN SCHEMATIC **ELEVATIONS** SEDIMENT CLEANOUT POINT ("VET" STORAGE REDUCED TO 34 C.Y./ACRE) DESIGN ELEVATIONS WITH EMERGENCY SPILLWAY DESIGN HIGH WATER (25-YR STORM ELEV.) | MIN. 2.0' MIN. 1.0' DESIGN ELEVATIONS WITHOUT **EMERGENCY SPILLWAY** (RISER PASSES 25-YR. EVENT) SPECIFIC APPLICATION 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





REQUIRED



TEMPORARY DIVERSION DIKE

TEMPORARY FILL DIVERSION

MPORARY RIGHT-OF-WAY

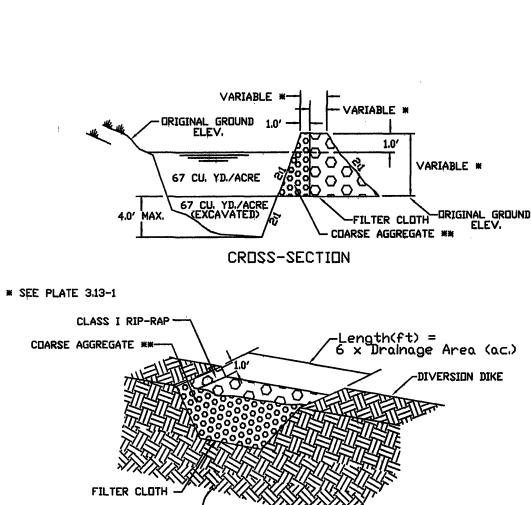
SYMBOL

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<del>----</del>[5]---

----(NJ)

----(DC)-----



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

TEMPORARY SEDIMENT TRAP DATA

STORAGE (C.Y.)

SEDIMENT TRAI

COARSE AGGREGATE SHALL

WEIR BERM
HEIGHT HEIGHT
(FT.)

BE VDDT #3,#357 0F#5

-EXCAVATED AREA-

## ALL COSTS GIVEN ARE COMPLETE IN PLACE TOTAL COST DESCRIPTION QUANTITY UNIT COST EΑ **ENTRANCE** SILT FENCE 3,00 1,500.00 INLET PROTECTION EA TEMPORARY DIVERSION DIKE 'EMPORARY FILL DIVERSION SEDIMENT TRAP EΑ CHECK DAM PERMANENT SEEDING 1.0 1,200.00 1,200.00 OUTLET PROTECTION SEDIMENT BASIN SUB-TOTAL 2,700.00 10% CONTINGENCY TOTAL PROJECT COST 3,000.00

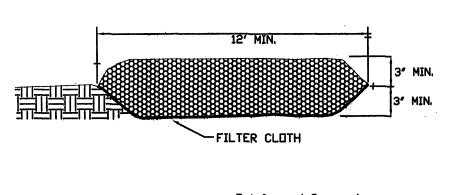
EROSION-SILTATION CONTROL

COST ESTIMATE

GENERAL EROSION AND SEDIMENT CONTROL NOTES

- 1. ALL SOIL EROSION & SEDIMENT CONTROL MEASURES SHALL BE ACCOMPLISHED IN STRICT ACCURDANCE 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 4. IN NO CASE DURING CONSTRUCTION SHALL WATER RUNOFF BE DIVERTED OR ALLOWED TO FLOW TO LOCATIONS WHERE ADEQUATE PROTECTION HAS NOT BEEN
- 5, IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO LEAVE THE SITE ADEQUATEL' PROTECTED AGAINST EROSION, SEDIMENTATION, OR ANY DAMAGE TO ANY ADJACENT
- PROPERTY AT THE END OF EACH DAY'S WORK, THE EROSION CONTROL KEY SYMBOLS SHOWN ON THE PLANS, REFER TO TH VIRGINIA UNIFORM CODING SYSTEM FOR EROSION AND SEDIMENT CONTROL PRACTICES CONTAINED IN THE VIRGINIA EROSION AND SEDIMENT CONTROL HANDBOOK, LATEST EDITION. THESE SYMBOLS AND KEYS ARE TO BE UTILIZED ON ALL EROSION CONTROL
- VDOT #1 Coarse CONSTRUCT A WASHBOARD OR -WASH RACK IF REQUIRED. Ref. Table 3.02-A of Virginia ESC Handbook for requirements.

\* MUST EXTEND FULL WIDTH OF INGRESS & EGRESS OPERATION.



-Reinforced Concrete WASH RACK DETAIL (IF REQUIRED)

> TEMPORARY GRAVEL CONSTRUCTION ENTRANCE

PERMANENT SEEDING MIXTURE

TYPE B (SLOPES 3:1 OR STEEPER) 15 OCTOBER TO 1 FEBRUARY K-31 FESCUE @ 5 LB / 1000 SF 15 MARCH TO 1 MAY CROWN VETCH @ 1/2 LB / 1000 SF BURZY WINTER RYE @ 1/2 LB / 1000 SF PERENNIAL RYEGRASS @ 1/2 LB / 1000 SF RED TOP @ 1/8 LB / 1000 SF K-31 FESCUE @ 5 LB / 1000 SF ANNUAL RYE @ 1/2 LB / 1000 SF 15 AUGUST TO 1 DCTOBER CROWN VETCH @ 1/2 LB / 1000 SF PERENNIAL RYEGRASS @ 1/2 LB / 1000 SF

1 JUNE TO 1 SEPTEMBER RED TOP @ 1/8 LB / 1000 SF K-31 FESCUE @ 5 LB / 1000 SF GERMAN MILLET @ 1/2 LB / 1000 SF

1 SEPTEMBER TO 15 OCTOBER K-31 FESCUE @ 5 LB / 1000 SF ANNUAL RYE @ 1/2 LB / 1000 SF

PLANS SUBMITTED TO ROANDKE COUNTY.

140 LB / 1000 SF PULVERIZED AGRICULTURAL LIMESTONE FERTILIZER: 5-20-10 @ 25 LB / 1000 SF 38-0-0 @ 7 LB / 1000 SF

IF REQUIRED, SHALL BE USED OVER ALL SEEDED AREAS AND SHALL BE APPLIED IN ACCORDANCE WITH SECTION 1.75 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 ACCURDANCE WITH SPECIFICATIONS CONTAINED WITHIN

THE VIRGINIA SUIL ERUSION AND SEDIMENT CONTROL HANDBOOK, LATEST EDITION. ADDITIONAL SEEDING TO BE PERFORMED AS REQUIRED BY THE INSPECTOR. 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.

TOTAL DISTURBED AREA = 1.0 AC.

WVWA ID# 73YG8L

## DEPARTMENT ENGINEERING AND INSPECTIONS

!	NO.	REVISIONS	DATE
	6	· · · · · · · · · · · · · · · · · · ·	
	5		
	4		
	3	ENGR. & INSPEC.	10-27-93
	2	ENGR. & INSPEC.	08-05-93
١	1	ENGR. & INSPEC.	04-10-93

are desirable.

GENERAL NOTES

REFERENCE ESTIMATE - THIS SHEET.

REQUIRED AND MUST INCLUDE:

A. DIMENSIONS OF THE FACILITY

E. LOCATION AND ELEVATION OF BENCHMARK.

B. VOLUME @ MAXIMUM DEPTH

SURFACE ELEVATION.

LATEST EDITION.

ACHIEVED.

TOPSOIL AND SEEDED.

CONSTRUCTION NOTES

FILL MATERIAL SUILS, IN GENERAL:

WHICH IS READILY CONTROLLED

(SHRINKAGE OR SWELL) OR SETTLEMENT

OF THE LAYERS SHALL BE CONTINUOUS AND UNIFORM.

GRADED TO DRAIN TO THE PRINCIPAL SPILLWAY.

- CREST OF EMERGENCY

- RISER CREST

COUNTY OF ROANOKE

EXCAVATED DROP INLET SEDIMENT TRAP

LARGER PARTICLES WILL SETTLE

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