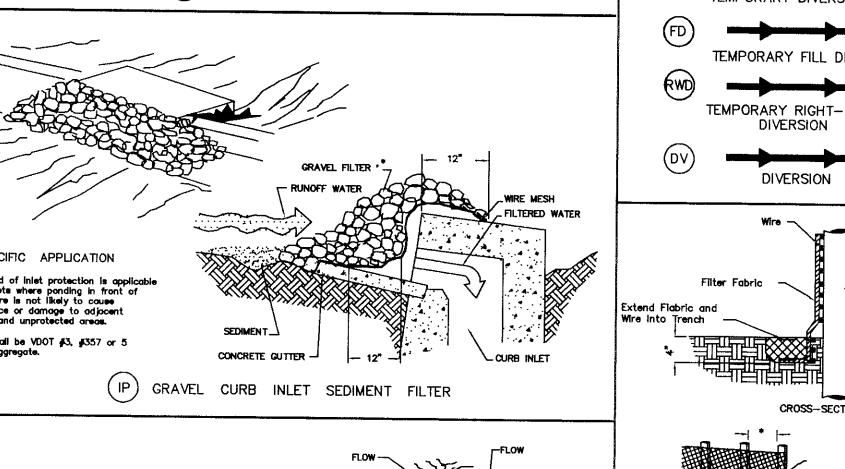
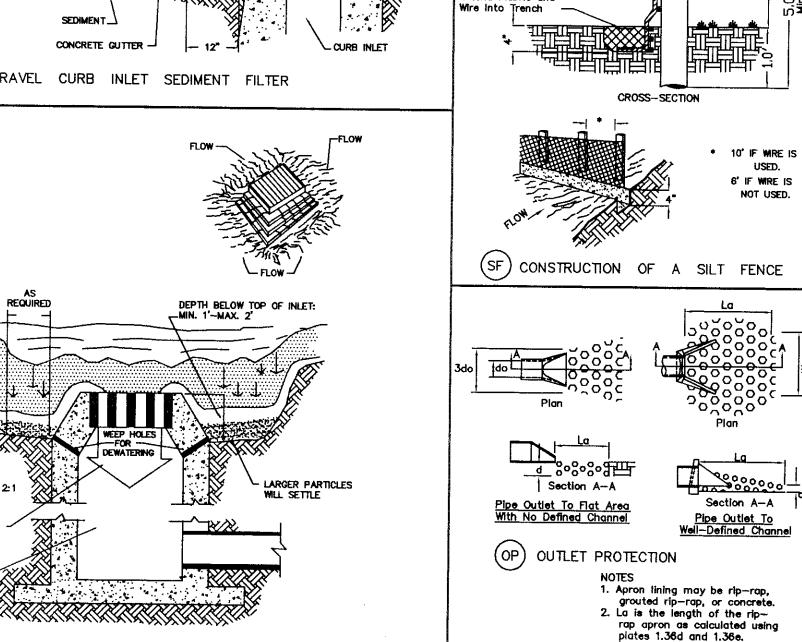
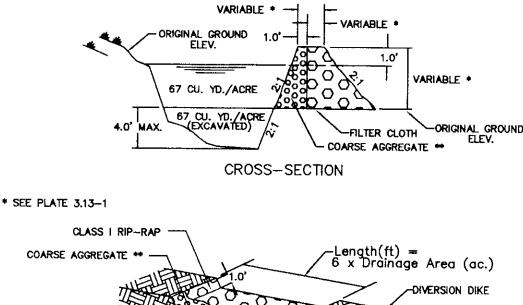


WHICH IS READILY CONTROLLED

TITLE SYMBOL SYMBOL SAFETY FENCE ROCK CHECK DAMS TEMPORARY GRAVEL LEVEL SPREADER CONSTRUCTION ENTRANCE CONSTRUCTION ROAD VEGETATIVE STREAMBANK STABILIZATION STABILIZATION STRUCTURAL STREAMBANK STRAW BALE BARRIER STABILIZATION EMPORARY VEHICULAR SILT FENCE STREAM CROSSING BRUSH BARRIER <del>6000000000</del> UTILITY STREAM CROSSING STORM DRAIN DEWATERING STRUCTURE INLET PROTECTION CULVERT INLET PROTECTION TURBIDITY CURTAIN TEMPORARY DIVERSION DIKE SUBSURFACE DRAIN TEMPORARY FILL DIVERSION SURFACE ROUGHENING <del>----</del> TEMPORARY RIGHT-OF-WAY **TOPSOILING** DIVERSION DIVERSION TEMPORARY SEEDING TEMPORARY SEDIMENT TRAP PERMANENT SEEDING ----(PS)----TEMPORARY SEDIMENT BASIN SODDING BERMUDA GRASS AND TEMPORARY SLOPE DRAIN 8 on OYSIAURASS ESTABLISHMENT PAVED FLUME MULCHING STORMWATER CONVEYANCE SOIL STABILIZATION CHANNEL BLANKETS AND MATTING REES, SHRUBS, VINES OUTLET PROTECTION AND GROUND COVERS TREE PRESERVATION RIPRAP AND PROTECTION DUST CONTROL 2 ACRES OR LESS OF DRAINAGE AREA: 2-10 ACRES OF DRAINAGE AREA: (OPTIONAL) (DOWNSTREAM VIEW) (CD) ROCK CHECK DAM EMPORARY DIVERSION DIKE TEMPORARY FILL DIVERSION TEMPORARY RIGHT-OF-WAY DIVERSION







FILTER CLOTH -EXCAVATED AREA -COARSE AGGREGATE SHALL BE VDOT #3,#357 OF#5

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

REQ'D DESIGN

TRUCT

(ÁCRES)

(ST) SEDIMENT TRAP

## SENERAL EROSION AND SEDIMENT CONTROL NOTES . 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. THE APPROVING AUTHORITY MAY ADD TO, DELETE, RELOCATE, CHANGE, OR OTHERWISE MODIFY CERTAIN EROSION AND SEDIMENT CONTROL MEASURES WHERE

EROSION-SILTATION CONTROL

COST ESTIMATE

QUANTITY

1500

220

**UNIT COST** 

200.00

3.00

200.00

250.00

40.00

200.00

5000.00

TOTAL COST

200.00

4500.00

2000.00

8800.00

400.00

5000.00

\$ 20,900.00

ALL COSTS GIVEN ARE COMPLETE IN PLACE

UNIT

EΑ

LF

EΑ

EA

1000 SF

EΑ

EΑ

DESCRIPTION

CONSTRUCTION

INLET PROTECTION

NTRANCE

SILT FENCE

**TEMPORARY** 

**TEMPORARY** 

CHECK DAM

DIVERSION DIKE

FILL DIVERSION

SEDIMENT TRAP

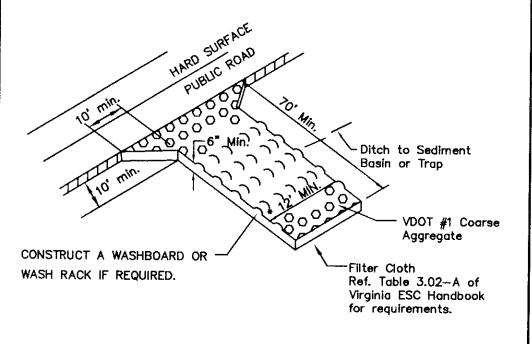
PERMANENT SEEDING

**OUTLET PROTECTION** 

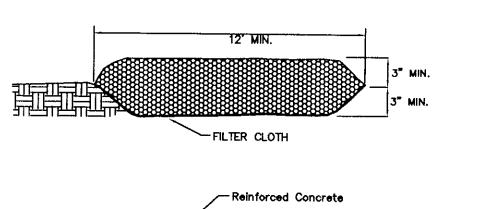
TOTAL PROJECT COST

SEDIMENT BASIN

- FIELD CONDITIONS ARE ENCOUNTERED THAT WARRANT SUCH MODIFICATIONS. . 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
- . 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 ADEQUATELY PROTECTED AGAINST EROSION, SEDIMENTATION, OR ANY DAMAGE TO ANY ADJACENT PROPERTY AT THE END OF EACH DAY'S WORK.
- . FOR THE EROSION CONTROL KEY SYMBOLS SHOWN ON THE PLANS, REFER TO THE MRGINIA 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 PLANS SUBMITTED TO ROANOKE COUNTY.



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



WASH RACK DETAIL (IF REQUIRED)

TEMPORARY GRAVEL CE) TEMPURANT GRAVEL CONSTRUCTION ENTRANCE PERMANENT SEEDING MIXTURE

15 OCTOBER TO 1 FEBRUARY K-31 FESCUE • 5 LB / 1000 SF BORZY WINTER RYE @ 1/2 LB / 1000 SF FEBRUARY TO 1 JUNE K-31 FESCUE • 5 LB / 1000 SF

TYPE B (SLOPES 3:1 OR STEEPER) 15 MARCH TO 1 MAY CROWN VETCH • 1/2 LB / 1000 SF PERENNIAL RYEGRASS © 1/2 LB / 1000 SF RED TOP © 1/8 LB / 1000 SF 15 AUGUST TO 1 OCTOBER

ANNUAL RYE • 1/2 LB / 1000 SF I JUNE TO 1 SEPTEMBER K-31 FESCUE • 5 LB / 1000 SF

CROWN VETCH • 1/2 LB / 1000 SF PERENNIAL RYEGRASS • 1/2 LB / 1000 SF RED TOP 0 1/8 LB / 1000 SF GERMAN MILLET • 1/2 LB / 1000 SF

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

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 ACCORDANCE WITH SPECIFICATIONS CONTAINED WITHIN THE VIRGINIA SOIL EROSION 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 = 3.0 AC. = 130,680 SQ. FT.

(IP) GRAVEL AND WIRE MESH DROP INLET SEDIMENT FILTER COUNTY OF ROANOKE **DEPARTMENT** 

**ENGINEERING AND INSPECTIONS** 

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

DATE: 02/26/02 SCALE: NO SCALE DRAWING BY: DESIGNED BY: ROANOKE COUNTY ENGINEERING DEPT. NO. REVISIONS DATE APPROVED BY:

DRAIN INLET

are desirable.

**EROSION & SEDIMENT CONTROL** 

EXCAVATED DROP INLET SEDIMENT TRAP

KINGSTON ESTATE **SUBDIVISION** ROANOKE COUNTY, VIRGINIA

3. d = 1.5 times the maximum

stone diameter, but not less than 6".

**\$\pi** (540) 345-0675

FAX (540) 342-4456

ENGINEERING • ARCHITECTURE • SURVEYING 102 ALBEMARLE AVE., S.E. ROANOKE, VIRGINIA 24013

SHEET 4 of 17

SPECIFIC APPLICATION

to adjacent structures and unprotected areas.

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