NTERSTATE 81 BORDERS THE SITE TO THE NORTH. COMMERCIAL PROPERTIES INCLUDING HOTELS AND FUEL STATIONS BORDER THE SITE TO THE EAST. RESIDENTIAL PROPERTY BORDERS THE SITE TO THE SOUTH AND WEST.

SOILS INFORMATION IS BASED ON AN INSPECTION OF SHEET 7 OF THE SOIL SURVEY OF

ROANOKE COUNTY AND THE CITIES OF ROANOKE AND SALEM, VA, ISSUED IN 1997 AND HAS NOT BEEN FIELD VERIFIED. THE SOILS FALL INTO FOUR CATEGORIES.

3C3. CHILHOME SILTY CLAY LOAM. 7 TO 15 PERCENT SLOPES. SEVERELY ERODED: THIS SOIL IS MODERATELY DEEP, WELL DRAINED, AND STRONGLY SLOPING. IT IS ON CONVEX,

DISSECTED SIDE SLOPES IN THE UPLANDS. SLOPES ARE SMOOTH AND COMPLEX. INDIVIDUAL areas are irregular in shape. They range from 10 to 30 acres in size.

he typical soil layers are as follows: The Surface Layer is 0 to 5 inches — Dark BROWN SILTY CLAY LOAM, THE SUBSOIL IS 5 TO 24 INCHES - YELLOWISH BROWN CLAY, THE Substratum layer is 24 to 34 inches — Yellowish Brown Silty Clay Loam, Bedrock at 34 inches — moderately hard, interbedded limestone and calcareous shale.

THE SOIL HAS HIGH EROSION POTENTIAL AND SLOW PERMEABILITY. THE SHRINK-SWELL POTENTIAL IS MODERATE IN THE SURFACE LAYER, HIGH IN THE SUBSOIL.

24C. GROSECLOSE SILT LOAM. 7 TO 15 PERCENT SLOPES:

THIS SOIL IS STRONGLY SLOPING, VERY DEEP, AND WELL DRAINED, IT IS ON UPLANDS. SLOPES are smooth and complex. Individual areas are irregular in shape. They range from 6 TO 25 ACRES IN SIZE.

THE TYPICAL SOIL LAYERS ARE AS FOLLOWS: THE SURFACE LAYER IS 0 TO 9 INCHES — DARK Brown silt loam, the subsoil is from 9 to 18 inches — Brown silt loam, from 18 to 32 inches — Brown Silty Clay Loam, from 32 to 50 inches — Yellowish red and brown SILTY CLAY, THE SUBSTRATUM IS 50 TO 62 INCHES - YELLOWISH RED AND BROWN SILTY CLAY

THE SOIL HAS A HIGH EROSION POTENTIAL AND SLOW PERMEABILITY. THE SHRINK-SWELL POTENTIAL IS LOW IN THE SURFACE LAYER, HIGH IN THE SUBSOIL

24D. GROSECLOSE SILT LOAM. 15 TO 25 PERCENT SLOPES:

this soil is moderately steep, very deep, and well drained. It is on uplands. Slopes are smooth and complex. Individual areas are irregular in shape. They range from 6 TO 25 ACRES IN SIZE.

the typical soil layers are as follows: The surface layer is 0 to 9 inches — Dark BROWN SILT LOAM, THE SUBSOIL IS FROM 9 TO 18 INCHES - BROWN SILT LOAM, FROM 18 TO 32 INCHES — BROWN SILTY CLAY LOAM. FROM 32 TO 50 INCHES — YELLOWISH RED AND BROWN SILTY CLAY, THE SUBSTRATUM IS 50 TO 62 INCHES - YELLOWISH RED AND BROWN SILTY CLAY

THE SOIL HAS A HIGH EROSION POTENTIAL AND SLOW PERMEABILITY. THE SHRINK—SWELL POTENTIAL IS LOW IN THE SURFACE LAYER, HIGH IN THE SUBSOIL

9B. TUMBLING LOAM. 2 TO 7 PERCENT SLOPES:

THIS SOIL IS GENTLY SLOPING, VERY DEEP, AND WELL DRAINED. IT IS ON UPLAND FOOT SLOPES AND COLLUVIAL FANS AND BENCHES. INDIVIDUAL AREAS ARE LONG AND WINDING OR SLIGHTLY OVAL. AREAS RANGE FROM 10 TO 25 ACRES IN SIZE.

THE TYPICAL SOIL LAYERS ARE AS FOLLOWS: THE SURFACE LAYER IS 0 TO 2 INCHES --- VERY DARK GRAYISH BROWN LOAM. THE SUBSURFACE LAYER IS 2 TO 11 INCHES - BROWNISH YELLOW LOAM, THE SUBSOIL IS FROM 11 TO 15 INCHES — STRONG BROWN COBBLY CLAY LOAM THAT HAS Brownish Yellow Mottles, from 15 to 28 inches — Yellow Red Cobbly Clay that has RED MOTTLES, FROM 28 TO 49 INCHES - YELLOWISH RED VERY COBBLY CLAY THAT HAS RED MOTTLES, FROM 49 TO 62 INCHES - MOTTLED STRONG BROWN, RED, DARK RED, AND WHITE

THE SOIL HAS MEDIUM EROSION POTENTIAL AND MODERATE PERMEABILITY. THE SHRINK—SWELL

<u>CRITICAL_AREAS:</u>
IT IS CRITICAL THAT THE EROSION AND SEDIMENT CONTROL MEASURES BE MAINTAINED TO ANY SEDIMENI FROM LEAVING THE SITE WITH PARTICULAR ATTENTION TO THE DITCH ADJACENT TO INTERSTATE 81.

GENERAL STANDARDS: ALL EROSION AND SEDIMENT CONTROL PRACTICES AND PROCEDURES SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE VIRGINIA EROSION AND SEDIMENT CONTROL HANDBOOK.

SEE DCR'S MINIMUM STANDARDS [1 THRU 19] AND ROANOKE COUNTY MINIMUM STANDARDS [E1 THRU E9] LISTED ON THE ROANOKE COUNTY ESC DETAIL SHEET.

CONSTRUCTION SEQUENCE

CONTRACTOR'S CERTIFIED RESPONSIBLE LAND DISTURBER SHALL BE NAMED AND PROVIDE A COPY OF HIS RLD CERTIFICATE TO ROANOKE COUNTY DEPARTMENT OF COMMUNITY DEVELOPMENT AT LEAST TWO DAYS PRIOR TO THE PRE-CONSTRUCTION MEETING. RLD SHALL ALSO ATTEND PRE-CON MEETING.

CONTRACTOR SHALL APPLY FOR DCR LAND DISTURBANCE PERMIT AT LEAST TWO (2) DAYS PRIOR TO LAND DISTURBANCE AND PROVIDE ROANOKE COUNTY DEPARTMENT OF COMMUNITY DEVELOPMENT COPY OF SAID PERMIT WITHIN FIVE (5) DAYS OF ISSUANCE. THE OVERALL CONSTRUCTION SEQUENCE IS DESCRIBED IN APPROVED PLANS ENTITLED "OPPIDAN RETAIL CENTER." SITE SPECIFIC MEASURES AND SEQUENCEING SHALL BE COORDINATED WITH THOSE PLANS.

INSTALL STORM DRAIN, WATER LINE, AND SANITARY SEWER SYSTEMS AS GRADING ALLOWS.
INSTALL INLET PROTECTION AND OUTLET PROTECTION ALONG WITH STORM DRAIN

TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES SHALL BE REMOVED AFTER THOSE AFECTED AREAS ARE BROUGHT TO FINAL GRADE AND PERMANENTLY STABILIZED WITH IMPROVEMENTS OR ESTABLISHED VEGETATION; SUBJECT TO ROANOKE GENERAL EROSION AND SEDIMENT CONTROL NOTES. ROANOKE COUNTY, VIRGINIA, 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 AND VIRGINIA REGULATIONS VR 625-02-00 EROSION AND SEDIMENT CONTROL REGULATIONS.

ES-2: THE PLAN APPROVING AUTHORITY MUST BE NOTIFIED ONE WEEK PRIOR TO THE ONSITE 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 AND NARRATIVE, AS WELL AS A COPY OF THE LAND DISTURBING PERMIT, SHALL BE MAINTAINED ON THE SITE AT ALL TIMES. THE EROSION AND SEDIMENT CONTROL ADMINISTRATOR WILL DELIVER THESE MATERIALS AT THE

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

ES-7: ALL DISTURBED AREAS ARE TO DRAIN TO APPROVED SEDIMENT CONTROL MEASURES AT ALL TIMES DURING THE LAND DISTURBING ACTIVITIES AND DURING SITE DEVELOPMENT UNTIL FINAL STABILIZATION IS ACHIEVED.

ES-8: DURING DEWATERING OPERATION, WATER WILL BE PUMPED INTO AN APPROVED FILTERING

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. AN INSPECTION REPORT MUST BE FILED WITH THE ROANOKE COUNTY EROSION AND SEDIMENT CONTROL ADMINISTRATOR ONCE EVERY TWO WEEKS. BEGINNING WITH COMMENCEMENT OF THE LAND DISTURBING ACTIVITY, AND WITHIN 48 HOURS OF ANY RUNOFF-PRODUCING RAINFALL EVENT. FAILURE TO SUBMIT a report will be grounds for immediate revocation of the land disturbing permit. REPORTS MUST BE POSTMARKED WITHIN 24 HOURS OF THE DEADLINE. A STANDARD INSPECTION REPORT FORM WILL BE SUPPLIED, WHICH SHOULD BE COPIED AS NECESSARY. THIS PROVISION IN NO WAY WAIVES THE RIGHT OF ROANOKE COUNTY PERSONNEL TO CONDUCT SITE INSPECTIONS, NOR DOES IT DENY THE RIGHT OF THE PERMITTEE(S) TO ACCOMPANY THE INSPECTOR (S).

STORM WATER MANAGEMENT CONSIDERATION: THIS PROJECT DOES RESULT IN AN INCREASE OF RUNOFF. HOWEVER, STORM WATER MANAGEMENT FACILITIES PROPOSED WITH THE APPROVED PLANS FOR "OPPIDAN RETAIL CENTER" SUBMITTED UNDER SEPERATE COVER ARE INTENDED TO SERVE THE "GANDER MOUNTAIN/CAMPING WORLD" DEVELOPMENT. NO NEW STORMWATER MANAGEMENT FACILITIES ARE PROPOSED WITH THIS PLAN SET.

EROSION AND SEDIMENT CONTROL MEASURES:

<u>CONSTRUCTION ENTRANCE (3.02)</u> — A STONE CONSTRUCTION ENTRANCE WILL BE INSTALLED TO MINIMIZE THE AMOUNT OF MUD TRANSPORTED INTO EXISTING ROADS.

SILT FENCE (3.05) - SILT FENCE WILL BE INSTALLED AT THE LOWER ENDS OF THE PROJECT SITE TO INTERCEPT SEDIMENT LADEN RUN-OFF PRIOR TO EXITING THE SITE.

INLET PROTECTION (3.07) - INLET PROTECTION WILL BE INSTALLED AT EACH STORM DRAIN INLET TO MINIMIZE THE AMOUNT OF SEDIMENT LADEN RUNOFF FROM ENTERING THE STORM DRAIN SYSTEM.

<u>DIVERSION DIKE (3.09)</u> — TEMPORARY DIVERSION DIKES WILL BE INSTALLED TO DIVERT OFFSITE RUNOFF AROUND THE CONSTRUCTION AREA AND ALSO TO DIVERT SEDIMENT LADEN RUNOFF INTO THE SEDIMENT TRAPS.

DIVERSION (3.12) — TEMPORARY DIVERSIONS WILL BE INSTALLED TO CONVEY OFFSITE DRAINAGE AROUND THE CONSTRUCTION SITE WITHOUT ACCUMULATING SEDIMENT. <u>OUTLET PROTECTION (3.18)</u> — OUTLET PROTECTION WILL BE INSTALLED AT THE OUTLET ENDS OF ALL STORM DRAIN OR CULVERT OUTFALLS TO PREVENT SCOUR AND MINIMIZE THE POTENTIAL FOR DOWNSTREAM EROSION. NOTE ALL OUTLET PROTECTION STONE SHALL BE VDOT STD. CLASS I RIP RAP AND PLACED IN THE RECEIVING CHANNEL FOR THE LENGTH AS SHOWN ON THE PLAN.

CONSTRUCTION ROAD STABILIZATION (3.03) — CONSTRUCTION ROAD STABILIZATION WILL BE TO MINIMIZE EROSION WITHIN THE TEMPORARY CONSTRUCTION ROAD.

TEMPORARY SEEDING (3.31) - TEMPORARY SEEDING SHALL BE APPLIED TO TEMPORARY DIVERSION DIKES, TOPSOIL STOCKPILES, AND ALL AREAS TO BE ROUGH GRADED. BUT NOT FINISHED GRADED DURING THE INITIAL PHASE OF CONSTRUCTION. TEMPORARY SEEDING SHALL BE FAST GERMI TEMPORARY VEGETATION AND INSTALLED IMMEDIATELY FOLLOWING GRADING, OR INSTALLATION IF A TEMPORARY MEASURE. SEE ALSO MINIMUM STANDARDS.

<u>PERMANENT SEEDING (3.32)</u> — PERMANENT SEEDING SHALL BE INSTALLED ON ALL DISTURBED AREAS OF THE SITE NOT OTHERWISE STABILIZED.

MULCHING (3.35) — ALL DISTURBED AREAS SHALL BE MULCHED AFTER SEEDING. STRAW MULCH SHALL BE APPLIED AT A RATE OF TWO TONS PER ACRE AND ANCHORED WITH 750 LBS PER ACRE OF FIBER MULCH OVER THE SEEDED AREA.

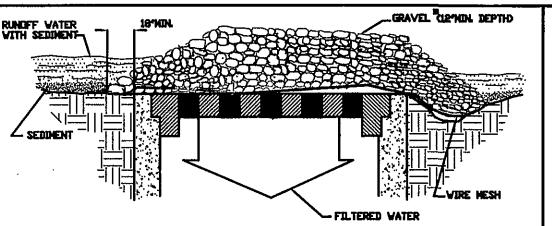
ALL DISTURBED AREAS SHALL BE INSPECTED IMMEDIATELY FOLLOWING ANY STORM PRODUCING RAINFALL. A LOG OF DATES AND INSPECTIONS SHALL BE KEPT. ANY DEFICIENCIES THAT ARE FOUND SHALL BE CORRECTED IMMEDIATELY. ACCUMULATED SEDIMENT AT TRAPPING MEASURES SHALL BE ROUTINELY REMOVED.

THE OWNER'S INSPECTOR SHALL INSPECT STATE WATERS ADJACENT TO PERIMETER CONTROLS DURING EACH INSPECTION. MAINTENANCE MEASURES SHALL BE IMPLEMENTED IMMEDIATELY BASED ON INSPECTION RESULTS.

ALL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE INSPECTED BI-WEEKLY AND AFTER EVERY RUNOFF PRODUCING RAINFALL. A LOG OF DATES AND INSPECTIONS SHALL BE KEPT. ANY DEFICIENCIES THAT ARE FOUND SHALL BE CORRECTED IMMEDIATELY. ACCUMULATED SEDIMENT AT TRAPPING MEASURES SHALL BE ROUTINELY REMOVED.

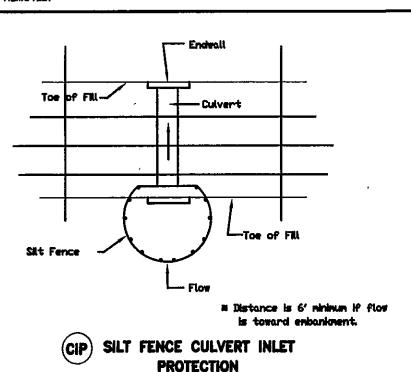
ALL DITCHES, SWALES, AND NATURAL WATERCOURSES DOWNSTREAM OF THIS PROJECT SHALL BE FIELD INSPECTED DURING AND AFTER CONSTRUCTION BY THE RLD TO ENSURE COMPLIANCE WITH DCR'S MS-19. IF EROSION OR SCOUR IS OCCURRING THE DEVELOPER SHALL BE RESPONSIBLE FOR ALL CORRECTIVE MEASURES.

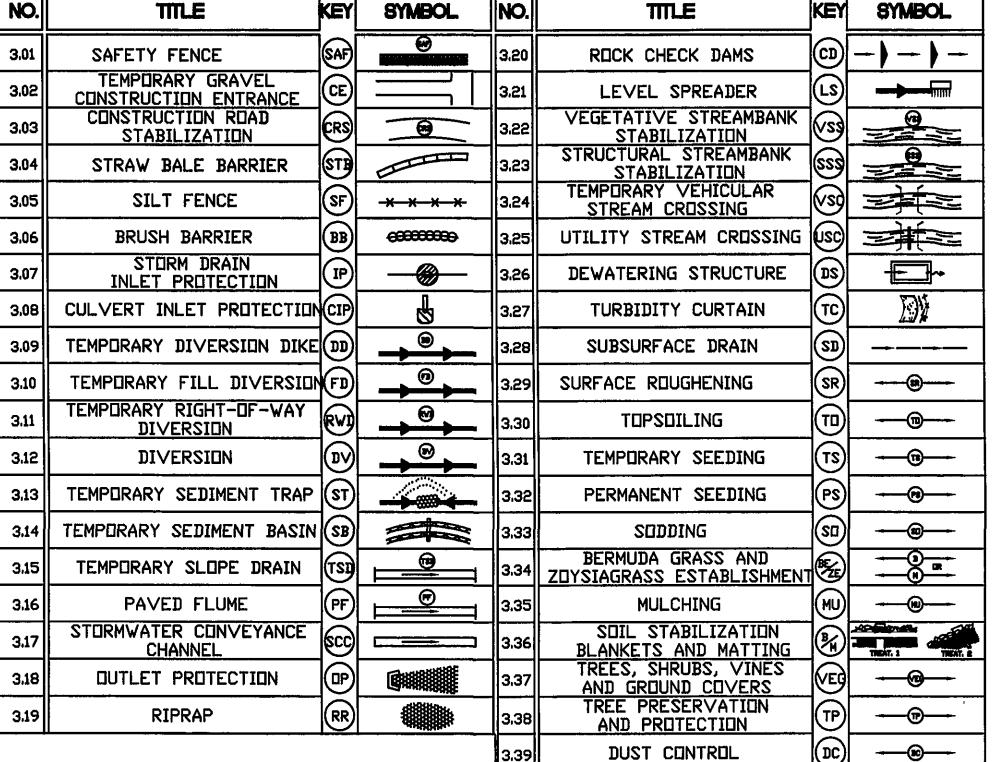
EROSION AND SEDIMENT CONTROL MEASURES SHALL BE MAINTAINED UNTIL AFTER ALL DISTURBED AREAS HAVE BEEN PERMANENTLY STABILIZED AND THEN TEMPORARY MEASURES



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 VDDT #3, #357 or #5 coarse aggregate.

GRAVEL AND WIRE MESH DROP INLET SEDIMENT FILTER





2-10 ACRES OF DRAINAGE AREA

COCONSTREAM VIEW)

FILTERED VATER

FILTER CLOTH-

(CD) ROCK CHECK DAM

GRAVEL CURB INLET SEDIMENT FILTER

2 ACRES OR LESS OF DRAINAGE AREA

CDDVNSTREAM VIEW)

FILTER CLOTH

COARSE AGGREGAT

SPECIFIC APPLICATION

Gravel shall be VDOT #3, #357 or 5

coarse apprepate.

are desirable.

SEDIMENT-LADEN RUNDFF

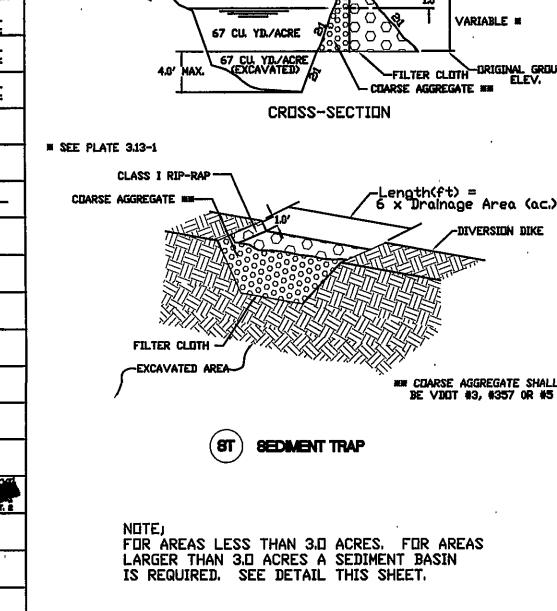
This method of inlet protection is applicable at curb inlets where ponding in front of the structure is not likely to cause inconvenience or danage to adjacent structures and unprotected areas.

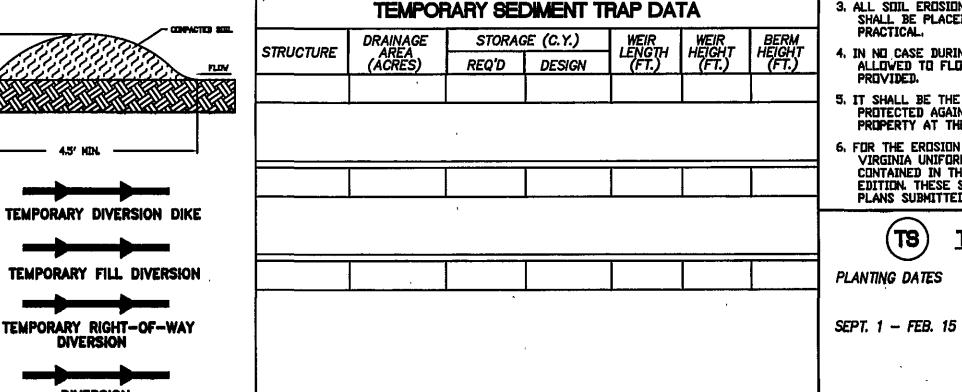
SPECIFIC APPLICATION

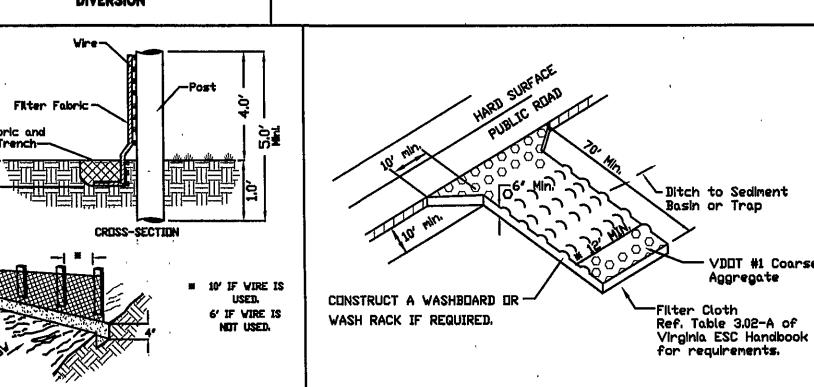
an overflow capability and ease of maintenance

This method of inlet protection is applicable

where heavy flows are expected and where







DIVERSION

(SF) CONSTRUCTION OF A SILT FENCE

Section A-A

Pipe Dutlet Jo Well-Befined Channel

1. Apron lining may be rip-rap, grouted rip-rap, or concrete.
2. La is the length of the rip-rap apron as calculated using plates 1.36d and 1.36e.
3. d = 1.5 times the maximum

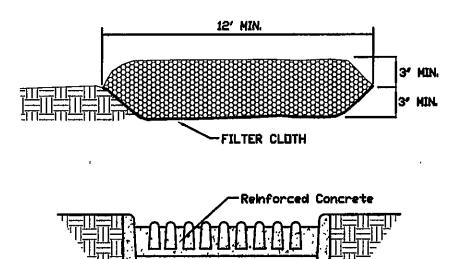
stone diameter, but not less than 6%

Section A-A

oe Cutlet To Flat Area th No Defined Channel

OP) OUTLET PROTECTION

* MUST EXTEND FULL WIDTH OF INGRESS & EGRESS OPERATION. 12' MIN.



TEMPORARY GRAVEL CONSTRUCTION ENTRANCE

WASH RACK DETAIL (IF REQUIRED)

FEB. 16 - APR. 30 MAY. 1 - AUG. 31 TEMPORARY SOIL STABILIZATION SHALL BE APPLIED WITHIN SEVEN DAYS TO DENUDED AREAS THAT MAY NOT BE AT FINAL GRADE BUT WILL REMAIN DORMANT (UNDISTURBED) FOR LONGER THAN 30 DAYS. PERMANENT STABILIZATION SHALL BE APPLIED TO AREAS THAT ARE TO BE LEFT DORMANT FOR MORE THAN ONE YEAR. VDDT #1 Coarse 15 OCTOBER TO 1 FEBRUARY K-31 FESCUE @ 5 LB / 1000 SF BORZY WINTER RYE @ 1/2 LB / 1000 I FEBRUARY TO 1 JUNE K-31 FESCUE @ 5 LB / 1000 SF ANNUAL RYE @ 1/2 LB / 1000 SF

> 1 JUNE TO 1 SEPTEMBER K-31 FESCUE @ 5 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

SHALL BE USED OVER ALL SEEDED AREAS AND SHALL BE APPLIED IN ACCORDANCE WITH SECTION 1.75 OF THE VIRGINIA ERUSION AND SEDIMENT CONTROL HANDBOOK, LATEST EDITION.

EROSION-SILTATION CONTROL

COST ESTIMATE

ACRE

ACRE

SY

QUANTITY

2.0

2.0

16,335

GENERAL EROSION AND SEDIMENT CONTROL NOTES

OTHERVISE MODIFY CERTAIN EROSION AND SEDIMENT CONTROL MEASURES WHERE FIELD CONDITIONS ARE ENCOUNTERED THAT VARRANT 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

IN NO CASE DURING CONSTRUCTION SHALL WATER RUNDFF BE DIVERTED OR ALLOWED TO FLOW TO LOCATIONS WHERE ADEQUATE PROTECTION HAS NOT BEEN

IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO LEAVE THE SITE ADEQUATELY

6. FOR THE EROSION CONTROL KEY SYMBOLS SHOWN ON THE PLANS, REFER TO THE

PROTECTED AGAINST EROSION, SEDIMENTATION, OR ANY DAMAGE TO ANY ADJACENT

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 PLANS SUBMITTED TO ROANOKE COUNTY.

<u>TEMPORARY SEEDING MIXTURE</u>

50/50 MIX OF ANNUAL RYEGRASS (LOLIUM MULTI-FLORUM

PERMANENT SEEDING MIXTURE

Cereal (Winter) Rye

ANNUAL RYEGRASS (LOLIUM MULTI-FLORUM)

(SECALE CEREALE)

(SETARIA ITALICA)

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

PROPERTY AT THE END OF EACH DAY'S WORK.

SPECIES

TOTAL COST

150.00

1.500.00

1,000.00

2.00

2.00

2,550.00

3,000.00

2,000.00

44,968.00

4,497.00

49,465.00

RATE

(LBS./ACRE)

50 - 100

60 - 100

TYPE B (SLOPES 31 OR STEEPER)

PERENNIAL RYEGRASS & 1/2 LB / 1000 SF

CROWN VETCH @ 1/2 LB / 1000 SF PERENNIAL RYEGRASS @ 1/2 LB / 1000 SF RED TOP @ 1/8 LB / 1000 SF

CROWN VETCH @ 1/2 LB / 1000 SF

RED TOP @ 1/8 LB / 1000 SF

15 AUGUST TO 1 DCTDBER

2.00 \$ 32,670.00

2,000.00 \$ 2,000.00

1,934.00

814.00

ALL COSTS GIVEN ARE COMPLETE IN PLACE

inlet protection

TEMPORARY

TEMPORARY

STABILIZATION

SUB-TOTAL

10% CONTINGENCY

TOTAL PROJECT COST

PLANTING DATES

DIVERSION

DIVERSION DIKE

PERMANENT SEEDING

TEMPORARY SEEDING

CONSTRUCTION ROAD

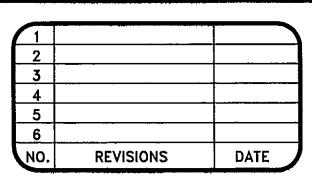
CONSTRUCTION ENTRANCE

INCORPORATION OF LIME AND FERTILIZER, SELECTION OF CERTIFIED SEED, MULCHING, MAINTENANCE OF NEW SEEDLINGS, AND RESEDING SHALL BE IN ACCORDANCE 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 = 7.0 AC.

DEPARTMENT ENGINEERING AND INSPECTIONS



COUNTY OF

EXCAVATED DROP INLET SEDIMENT TRAP

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

EROSION & SEDIMENT CONTROL STORMWATER MANAGEMENT DETAILS CDAM NO. 2006-224C

ROANOKE

BELOV TOP OF INLET