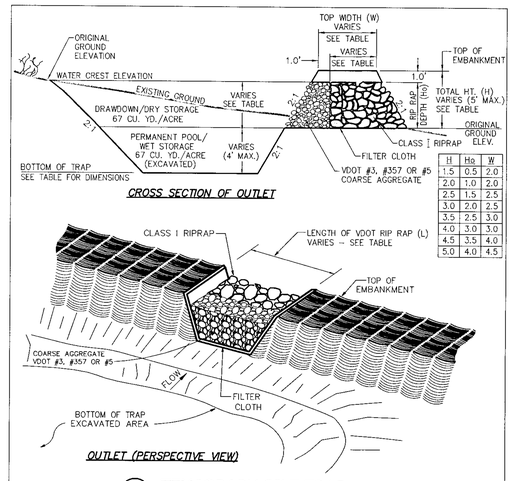


H	Ho	W
1.5	0.5	2.0
2.0	1.0	2.0
2.5	1.5	2.5
3.0	2.0	2.5
3.5	2.5	3.0
4.0	3.0	3.0
4.5	3.5	4.0
5.0	4.0	4.5

CROSS SECTION OF OUTLET

OUTLET (PERSPECTIVE VIEW)

(ST) TEMPORARY SILT TRAP (3.13–2)

NO SCALE

CONSTRUCTION

1. THE AREA UNDER THE EMBANKMENT SHALL BE CLEARED, GRUBBED, AND STRIPPED OF ANY VEGETATION AND ROOT MAT.
2. FILL MATERIAL SHALL BE FREE OF ROOTS OR OTHER WOODY VEGETATION, ORGANIC MATERIAL, LARGE STONES, AND OTHER OBJECTIONABLE MATERIAL. THE EMBANKMENT SHOULD BE COMPACTED IN 6–INCH LAYERS BY TRAVERSING WITH CONSTRUCTION EQUIPMENT.
3. THE EARTHEN EMBANKMENT SHALL BE SEEDED WITH TEMPORARY OR PERMANENT VEGETATION (SEE STD. & SEPC.'S 3.31 AND 3.32) IMMEDIATELY AFTER INSTALLATION.
4. CONSTRUCTION OPERATIONS SHALL BE CARRIED OUT IN SUCH A MANNER THAT EROSION AND WATER POLLUTION ARE MINIMIZED.

MAINTENANCE

1. SEDIMENT SHALL BE REMOVED AND THE TRAP RESTORED TO ITS ORIGINAL DIMENSIONS WHEN THE SEDIMENT HAS ACCUMULATED TO ONE HALF THE DESIGN VOLUME OF THE WET STORAGE. SEDIMENT REMOVAL FROM THE BASIN SHALL BE DEPOSITED IN A SUITABLE AREA AND IN SUCH A MANNER THAT IT WILL NOT ERODE AND CAUSE SEDIMENTATION PROBLEMS.
2. FILTER STONE SHALL BE REGULARLY CHECKED TO ENSURE THAT FILTRATION PERFORMANCE IS MAINTAINED. STONE CHOKED WITH SEDIMENT SHALL BE REMOVED AND CLEANED OR REPLACED.
3. THE STRUCTURE SHOULD BE CHECKED REGULARLY TO ENSURE THAT IT IS STRUCTURALLY SOUND AND HAS NOT BEEN DAMAGED BY EROSION OR CONSTRUCTION EQUIPMENT. THE HEIGHT OF THE STONE OUTLET SHOULD BE CHECKED TO ENSURE THAT ITS CENTER IS AT LEAST 1 FOOT BELOW THE TOP OF THE EMBANKMENT.

TEMPORARY SEDIMENT TRAP SCHEDULE

ST. NO.	LOT NO.	DRAINAGE AREA (ACRES.)	VOLUME REQUIRED (CU. YD.)	(L) LENGTH OF VDOT RIP RAP REQUIRED (FT)	SEDIMENT TRAP BOTTOM DIMENSIONS (EXCAVATED) LENGTH (FT)	WIDTH (FT)	WET STORAGE DEPTH (4' MAX.) (FT)	(Ho) RIP RAP & DRY STORAGE DEPTH (FT)	TOTAL WET & DRY STORAGE DEPTH (FT)	(H) TOTAL HEIGHT OF EMBANKMENT (5' MAX.) (FT)	(W) TOP WIDTH OF EMBANKMENT (FT)
1	22	3.00	402	18	32	64	2.25	1.75	4.0	2.75	2.5
2	21	2.20	295	13.2	26	52	2.25	1.75	4.0	2.75	2.5
3	5	2.80	375	16.8	30	60	2.25	1.75	4.0	2.75	2.5
4	6	0.90	121	5.4	14	28	2.5	1.5	4.0	2.5	2.5

EROSION CONTROL NARATIVE

THE PURPOSE OF THIS PROJECT IS TO CONSTRUCT SECTION THREE OF THE TINSLEY CHARTER PLANNED COMMUNITY. TINSLEY CHARTER IS A 224± ACRE COMMUNITY LOCATED IN PRINCE GEORGE COUNTY, VIRGINIA OFF ROUTE 616, LAUREL SPRING ROAD, IN THE VICINITY OF THE PRINCE GEORGE COUNTY COURTHOUSE. SECTION THREE SHALL CONSIST OF 32 SINGLE FAMILY LOTS AVERAGING .30 ACRES. DURING THE CONSTRUCTION OF THE PRIMARY INFRASTRUCTURE, 2.15± ACRES WILL BE DISTURBED.

THE AREA OF SECTION THREE IS PREDOMINANTLY CLEAR WITH A GENERALLY ROLLING TOPOGRAPHY (SLOPES VARY FROM 2 TO 8%). THE STORMWATER DRAINAGE WILL BE CONTAINED BY A CURB AND GUTTER TYPE SYSTEM AND WILL PREDOMINANTLY OUTFALL TO THE EXISTING BASIN DESIGNED TO HANDLE SECTION TWO AND FUTURE SECTION THREE POST–DEVELOPED RUN–OFF. THE BASIN WAS PREVIOUSLY CONSTRUCTED ALONG WITH SECTION ONE.

THE EXISTING DRAINAGE PATTERN IS FLOWS ACROSS THE PARCEL TO A NATURAL PREDOMINENT LOW

GENERAL EROSION AND SEDIMENT CONTROL NOTES

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 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 SHALL BE MAINTAINED ON THE SITE AT ALL TIMES.

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 THE INSTALLATION OF ANY ADDITIONAL EROSION CONTROL MEASURES NECESSARY TO PREVENT EROSION AND SEDIMENTATION AS DETERMINED BY THE PLAN APPROVING AUTHORITY.

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

ES–8. DURING DEWATERING OPERATIONS, WATER WILL BE PUMPED INTO AN APPROVED FILTERING DEVICE.

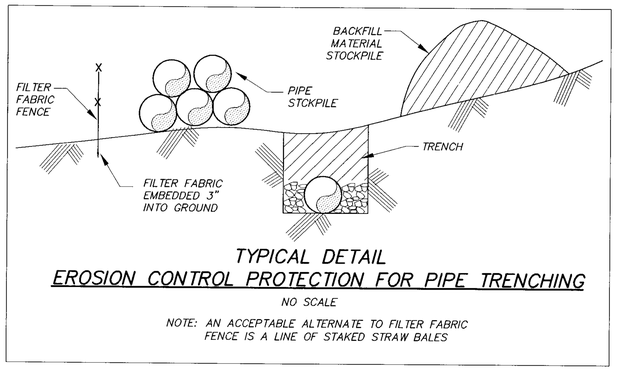
ES–9. THE CONTRACTOR SHALL INSPECT ALL EROSION CONTROL MEASURES PERIODICALLY AND AFTER EACH RUNOFF–PRODUCING RAINFALL EVENT. ANY NECESSARY REPAIRS OR CLEANUP TO MAINTAIN THE EFFECTIVENESS OF THE EROSION CONTROL DEVICES SHALL BE MADE IMMEDIATELY.

PERMANENT SEEDING SEQUENCE

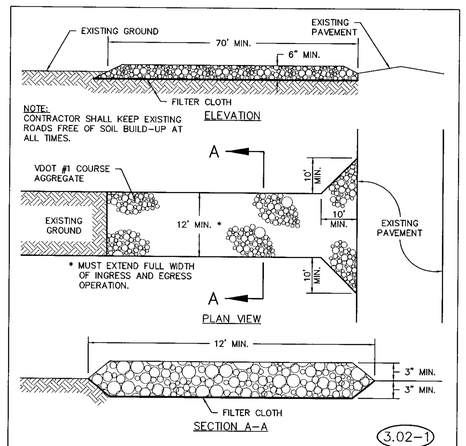
A. SEEDING SCHEDULE: DISTURBED AREAS WILL BE SEEDED WITHIN 30 DAYS AFTER GRADING IN ACCORDANCE WITH BELOW:
   (1) 100 POUNDS PER 1,000 SQ. FT. GROUND LIMESTONE OR EQUIVALENT. NO SOIL TEST IS REQUIRED FOR INITIAL ESTABLISHMENT.
   (2) 20 POUNDS OF 10–10–10 FERTILIZER OR EQUIVALENT PER 1,000 SQ. FT.
   (3) VARIETIES TO BE SEEDED:
      (a) SUMMER SEEDING: MAY 1ST – AUGUST 1ST, RED FESCUE: 4 POUNDS PER 1,000 SQ. FT.
      (b) AUTUMN SEEDING: AUGUST 1ST – NOVEMBER 15TH, KENTUCKY 31 TALL FESCUE: 1–1/2 POUNDS PER 1,000 SQ. FT.
      (c) SPRING SEEDING: MARCH 1ST – APRIL 30TH, SPRING OAT: 25 POUNDS PER 1,000 SQ. FT.
      (d) MULCH: 100 POUNDS OF STRAW PER 1,000 SQ. FT., ALL SEEDING IS TO BE MULCHED.

TEMPORARY SEEDING SEQUENCE

A. SEEDING SCHEDULE: DISTURBED AREAS WILL BE SEEDED WITHIN 30 DAYS AFTER GRADING IN ACCORDANCE WITH BELOW:
   (1) 100 POUNDS PER 1,000 SQ. FT. GROUND LIMESTONE OR EQUIVALENT. NO SOIL TEST IS REQUIRED FOR INITIAL ESTABLISHMENT.
   (2) 14 POUNDS OF 10–20–10 FERTILIZER OR EQUIVALENT PER 1,000 SQ. FT.
   (3) VARIETIES TO BE SEEDED:
      (a) SUMMER SEEDING: MAY 1ST – AUGUST 1ST, GERMAN MILLET: 50 LBS. PER ACRE.
      (b) AUTUMN SEEDING: AUGUST 1ST – FEBRUARY 28TH, 50/50 MIX ANNUAL RYEGRASS & WINTER RYE 50 LBS. PER ACRE.
      (c) SPRING SEEDING: MARCH 1ST – APRIL 30TH, ANNUAL RYEGRASS: 60 LBS. PER ACRE.
      (d) MULCH: 100 POUNDS OF STRAW PER 1,000 SQ. FT., ALL SEEDING IS TO BE MULCHED.



TYPICAL DETAIL
EROSION CONTROL PROTECTION FOR PIPE TRENCHING
NO SCALE
NOTE: AN ACCEPTABLE ALTERNATE TO FILTER FABRIC FENCE IS A LINE OF STAKED STRAW BALES

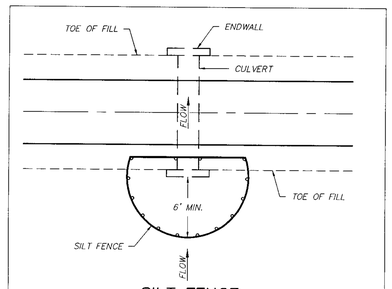


(CE) STONE CONSTRUCTION ENTRANCE (3.02–1)

NO SCALE

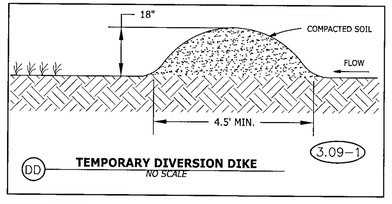
SOURCE: VIRGINIA EROSION AND SEDIMENT CONTROL HANDBOOK, 3RD ED., 1993 PLATE: 3.02–1

CONTRACTOR SHALL KEEP EXISTING ROADS FREE OF SOIL BUILD–UP AT ALL TIMES.



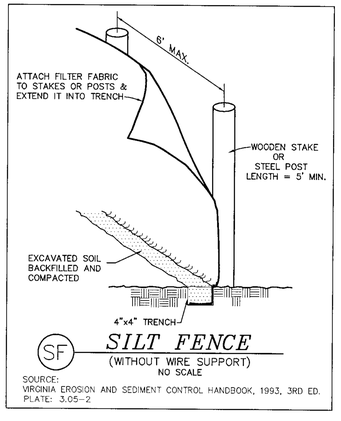
(CIP) SILT FENCE CULVERT INLET PROTECTION (3.08–1)

NO SCALE



(DD) TEMPORARY DIVERSION DIKE (3.09–1)

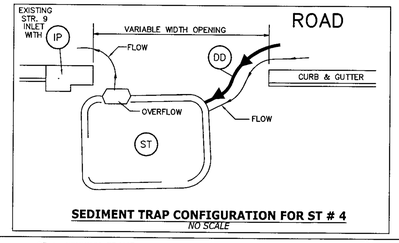
NO SCALE



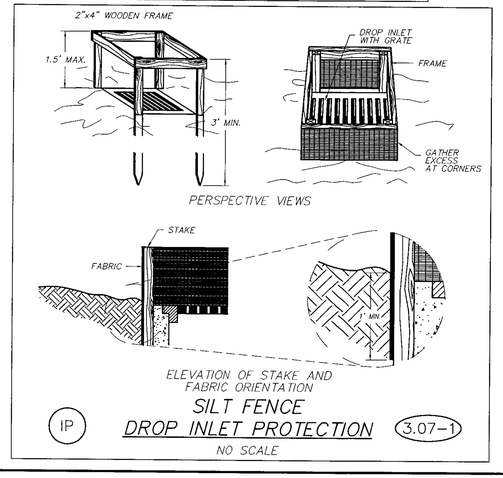
(SF) SILT FENCE (WITHOUT WIRE SUPPORT)

NO SCALE

SOURCE: VIRGINIA EROSION AND SEDIMENT CONTROL HANDBOOK, 1993, 3RD ED. PLATE: 3.05–2

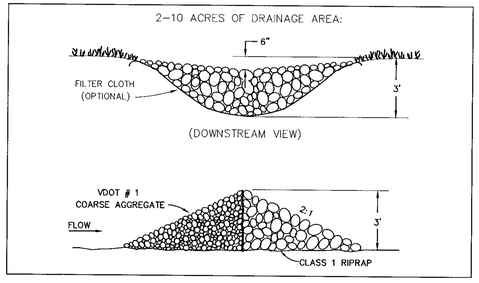


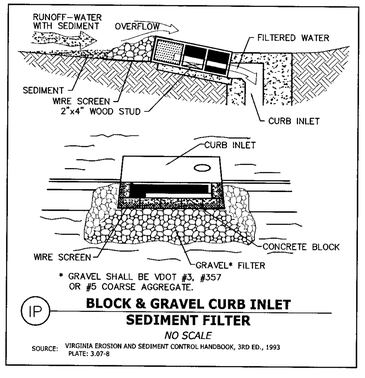
SEDIMENT TRAP CONFIGURATION FOR ST # 4
NO SCALE



(IP) SILT FENCE DROP INLET PROTECTION (3.07–1)

NO SCALE





(IP) BLOCK & GRAVEL CURB INLET SEDIMENT FILTER

NO SCALE

SOURCE: VIRGINIA EROSION AND SEDIMENT CONTROL HANDBOOK, 3RD ED., 1993 PLATE: 3.07–8

COMMONWEALTH OF VIRGINIA
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05-23-05
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DRAWN BY: L. GILLIAM
DESIGNED BY: D. JOHNSON
CHECKED BY:
SCALE: AS SHOWN

TIMMONS GROUP

TINSLEY CHARTER * SECTION 3
BLAND DISTRICT * PRINCE GEORGE COUNTY, VIRGINIA
EROSION & SEDIMENT CONTROL NOTES & DETAILS

JOB NO. 21854
SHEET NO. 8

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