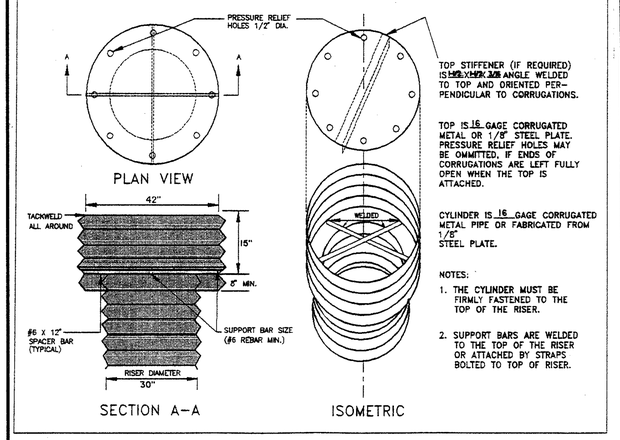
ANTI- VORTEX DEVICE DESIGN



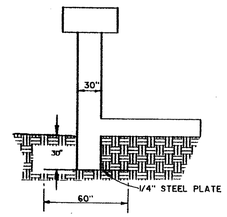
TOP STIFFENER (IF REQUIRED) IS 1/2"X1/2" ANGLE WELDED TO TOP AND ORIENTED PERPENDICULAR TO CORRUGATIONS.

TOP IS 16 GAGE CORRUGATED METAL OR 1/8" STEEL PLATE. PRESSURE RELIEF HOLES MAY BE OMMITTED, IF ENDS OF CORRUGATIONS ARE LEFT FULLY OPEN WHEN THE TOP IS ATTACHED.

CYLINDER IS 16 GAGE CORRUGATED METAL PIPE OR FABRICATED FROM 1/8" STEEL PLATE.

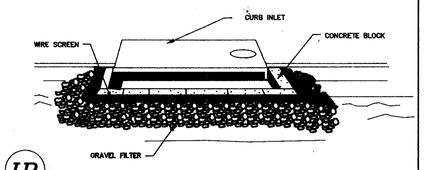
NOTES:

1. THE CYLINDER MUST BE FIRMLY FASTENED TO THE TOP OF THE RISER.
2. SUPPORT BARS ARE WELDED TO THE TOP OF THE RISER OR ATTACHED BY STRAPS BOLTED TO TOP OF RISER.



TYPICAL STEEL BASE

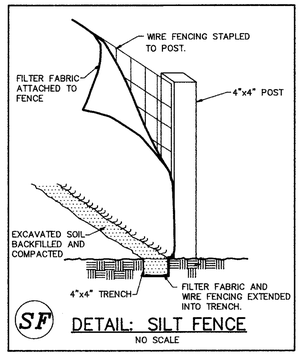
RISER PIPE BASE CONDITION



IP

BLOCK AND GRAVEL CURB INLET SEDIMENT FILTER

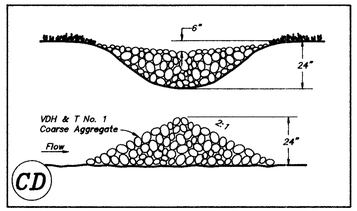
NO SCALE



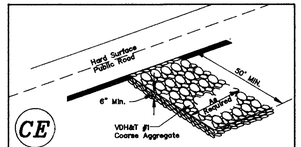
SF

DETAIL: SILT FENCE

NO SCALE



CD



CE

GRAVEL CONSTRUCTION ENTRANCE

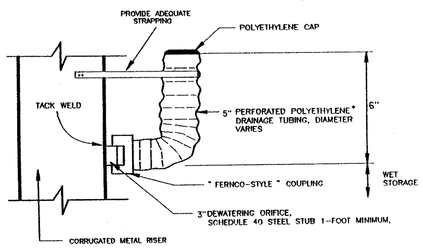
EROSION CONTROL NARRATIVE:

1. NOTIFY THE INSPECTOR WITH JAMES RIVER SOIL AND WATER CONSERVATION DISTRICT AT 748-2235 OR 733-2788 FOR A PRECONSTRUCTION MEETING AND ON-SITE VISIT ONE WEEK PRIOR TO BEGINNING CONSTRUCTION.
2. INSTALL CONSTRUCTION ENTRANCE, SILT BASIN, CHECK DAMS, AND SILT FENCE AS PER PLAN.
3. CLEAR AND GRUB ROAD AND EASEMENTS.
4. BEGIN ROUGH GRADING OF ROADS.
5. INSTALL STORM SEWER AND SWALES AS SHOWN.
6. INSTALL UTILITIES AS PER PLAN.
7. INSTALL INLET PROTECTION ON ALL DROP INLETS.
8. FINE GRADE SITE.
9. INSTALL CURB AND GUTTER AS PER PLAN.
   9a. SEED & MULCH TO BEHIND C&G AS SOON AFTER INSTALLATION OF C&G.
10. PLACE BASE STONE AND PAVEMENT AS SHOWN ON THE PLANS.
11. SEED DENUDED AREAS AS SOON AS POSSIBLE AND MULCH ALL DISTURBED AREAS.
12. CONTINUING MAINTENANCE PRACTICES SHALL BE PERFORMED TO INSURE PROTECTION OF DOWNSTREAM PROPERTIES.
13. NO EROSION CONTROL DEVICE SHALL BE REMOVED UNTIL AN ADEQUATE STAND OF GRASS HAS BEEN OBTAINED.

NOTE:
ALL EROSION AND SEDIMENT CONTROL MEASURES SHOWN ON THE PLAN ARE TO BE CONSTRUCTED, MAINTAINED, AND REMOVED IN ACCORDANCE WITH THE CURRENT EDITION OF THE VIRGINIA EROSION AND SEDIMENT CONTROL HANDBOOK.

NOTE:
SEED AND MULCH DISTURBED AREAS AS PER
THE VIRGINIA EROSION AND SEDIMENT CONTROL HAND BOOK.

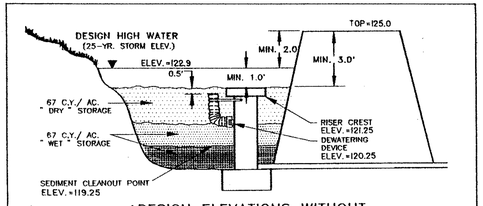
RECOMMENDED DEWATERING SYSTEM FOR SEDIMENT BASINS



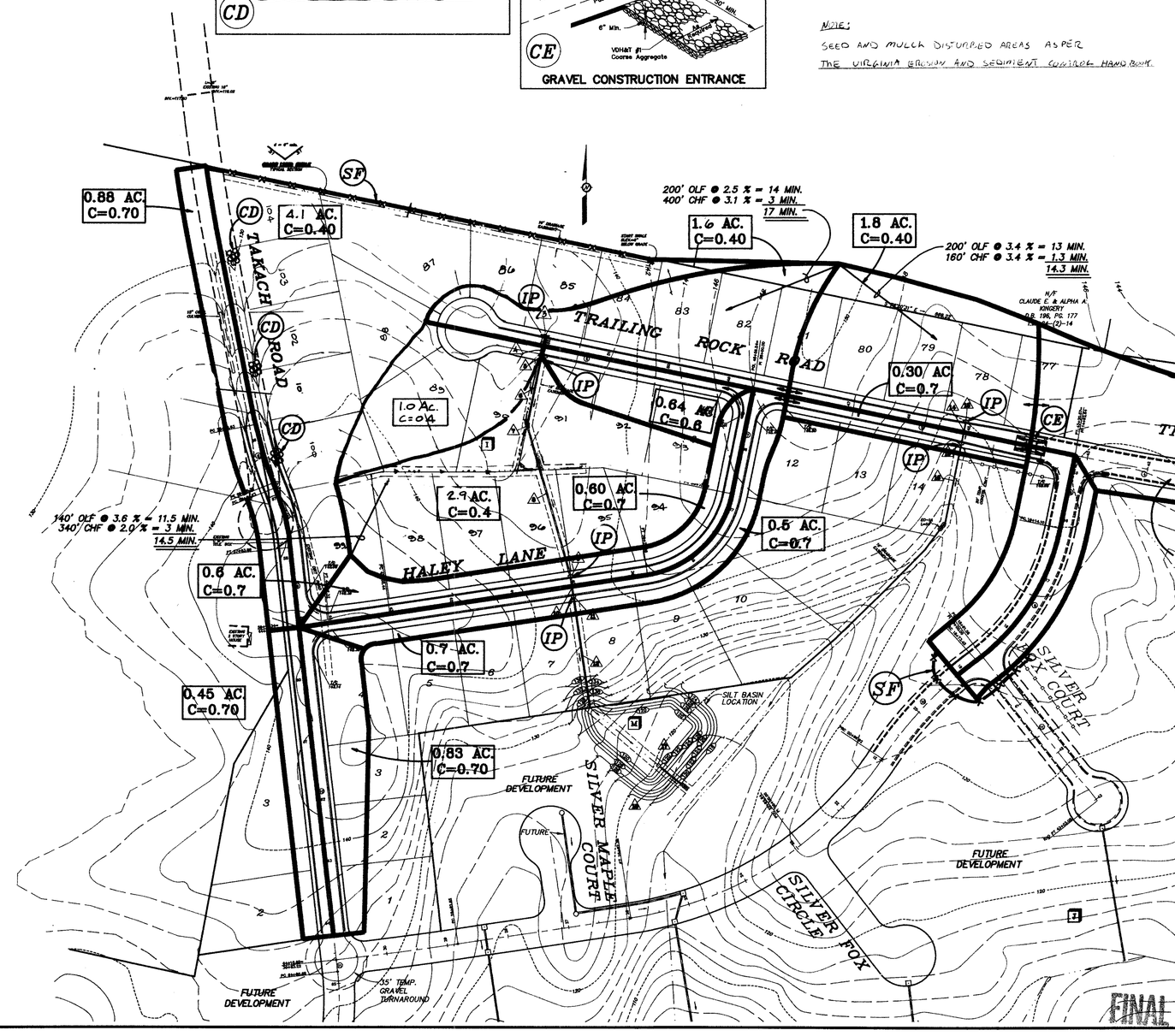
* DRAINAGE TUBING SHALL COMPLY WITH ASTM F667 AND AASHTO M294

WITH CONCRETE RISER, USE PVC SCHEDULE 40 STUB FOR DEWATERING ORIFICE

*DRAINAGE TUBING SHALL COMPLY WITH ASTM F667 AND AASHTO M294



DESIGN ELEVATIONS WITHOUT EMERGENCY SPILLWAY
(RISER PASSES 25-YR. EVENT)



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8803 STAPLES MILL ROAD
RICHMOND, VIRGINIA 23228
TELEPHONE: (804) 262-7396

4411 CROSSING BOULEVARD
PRINCE GEORGE, VIRGINIA 23875
TELEPHONE: (804) 458-8685

PLANNERS * LANDSCAPE ARCHITECTS * SURVEYORS * ARCHITECTS * ENGINEERS

COMMONWEALTH OF VIRGINIA
EDWARD L. GLASS
No. 17564
12-28-92
PROFESSIONAL ENGINEER

DATE	REVISION DESCRIPTION
11-5-93	REVISE G&C PLAN
4-11-96	REV HYDROLOGY

DATE 12-28-92
DRAWN BY B.R.G.
DESIGNED BY D.A.J.
CHECKED BY E.L.G.
SCALE 1"=100'

BRANCHESTER LAKES * SECTION 9

PRINCE GEORGE COUNTY, VIRGINIA * BLAND DISTRICT

EROSION CONTROL & HYDROLOGY

SHEET NO. 5 OF 5
JOB NO. 15225