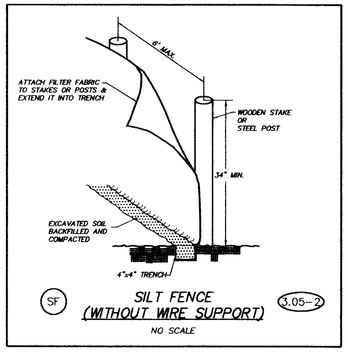
EROSION CONTROL SEQUENCE OF EVENTS

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, AND SILT FENCE AS PER PLAN.
3. CLEAR AND GRUB ROAD,EASEMENTS AND FILL AREAS.
4. INSTALL DIVERSION AND TEMPORARY PIPES AS PER PLAN.
5. INSTALL SILT TRAPS AS PER PLAN
6. BEGIN ROUGH GRADING OF ROADS.
7. INSTALL STORM SEWER AND SWALES WITH EXCEPTION OF STR. 16 AS SHOWN.
8. INSTALL INLET PROTECTION ON ALL DROP INLETS.
9. INSTALL UTILITIES AS PER PLAN.
10. INSTALL CURB AND GUTTER AS PER PLAN.
11. SEED & MULCH 10' BEHIND CURB & GUTTER AS SOON AFTER INSTALLATION OF CURB & GUTTER.
12. FINE GRADE ROADS.
13. PLACE BASE STONE AS SHOWN ON PLANS.
14. REMOVE TEMPORARY PIPES AND INSTALL STR. 16
15. SEED DENUDED AREAS AS SOON AS POSSIBLE AND MULCH ALL DISTURBED AREAS.
16. PLACE PAVEMENT AS SHOWN ON PLANS.
17. CONTINUING MAINTENANCE PRACTICES SHALL BE PERFORMED TO INSURE PROTECTION OF DOWNSTREAM PROPERTIES.
18. NO EROSION CONTROL DEVICE SHALL BE REMOVED UNTIL AN ADEQUATE STAND OF GRASS HAS BEEN OBTAINED.

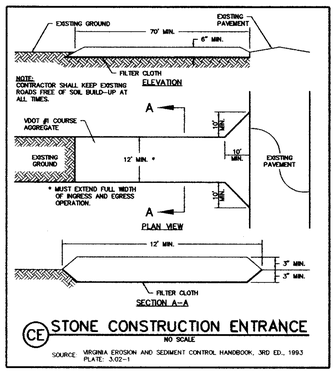
NOTE:

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



SF SILT FENCE (WITHOUT WIRE SUPPORT) 3.05-2

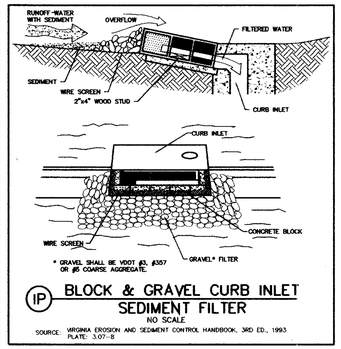
NO SCALE



CE STONE CONSTRUCTION ENTRANCE

NO SCALE

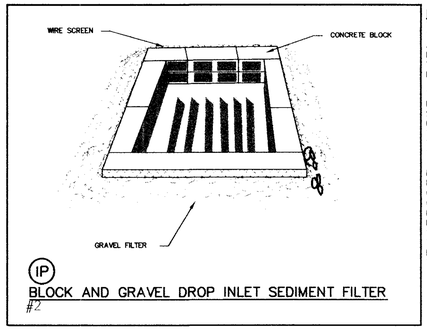
SOURCE: VIRGINIA EROSION AND SEDIMENT CONTROL HANDBOOK, 3RD ED., 1993 PLATE: 3.02-1



IP BLOCK & GRAVEL CURB INLET SEDIMENT FILTER

NO SCALE

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



IP BLOCK AND GRAVEL DROP INLET SEDIMENT FILTER #2

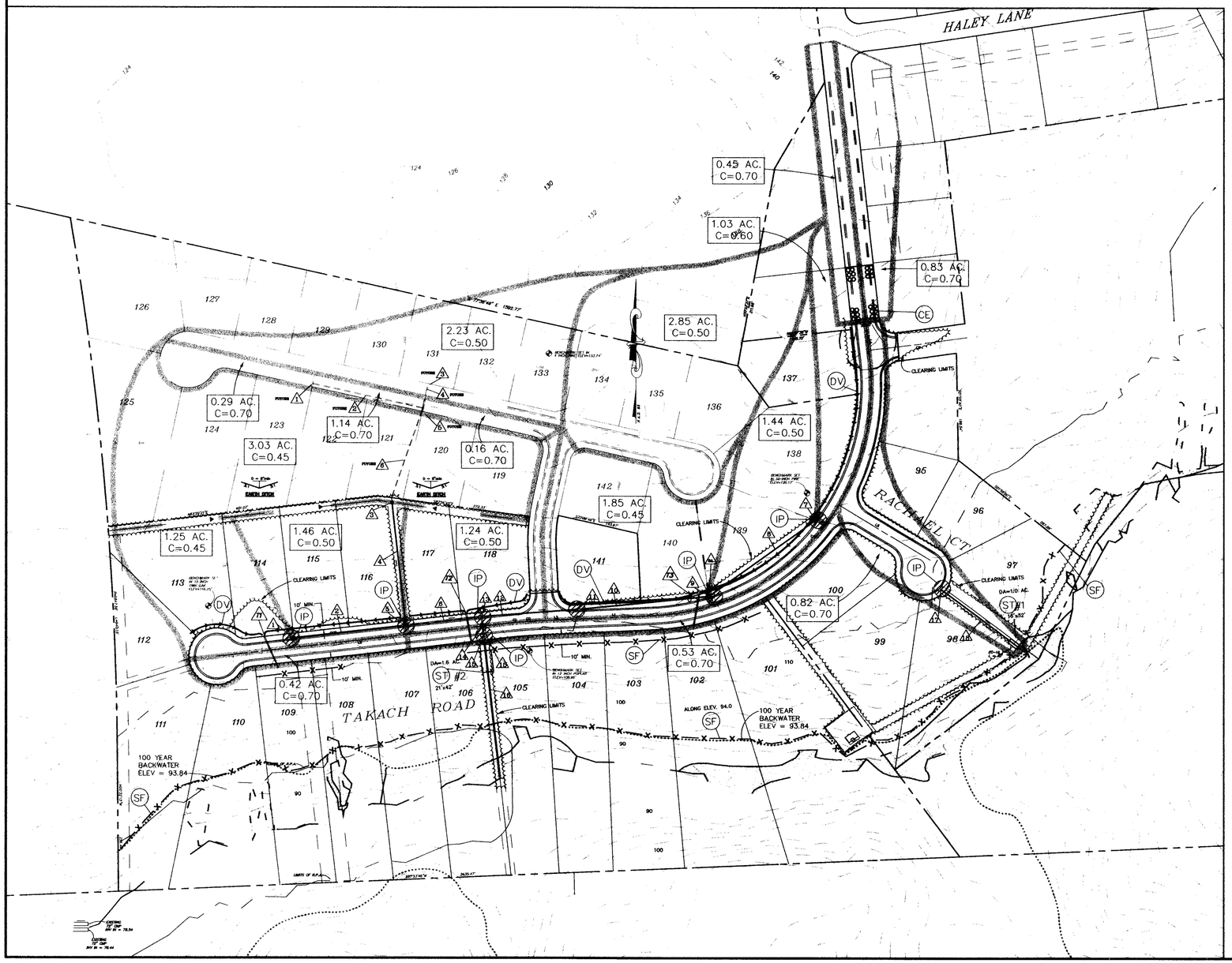
* NOTE: ALL INLETS ARE TO HAVE INLET PROTECTION APPLIED

EROSION AND SEDIMENT CONTROL NARRATIVE:

THE PURPOSE OF THIS PROJECT IS TO CONSTRUCT SECTION 14, A 27-LOT SECTION, WITHIN THE BRANCHESTER LAKES SUBDIVISION, WITH ASSOCIATED UTILITIES INCLUDING A PUMP STATION. APPROXIMATELY 5.20 ACRES WILL BE DISTURBED DURING THE CONSTRUCTION PERIOD. THE SECTION IS APPROX. 24 ACRES LOCATED IN PRINCE GEORGE COUNTY, VIRGINIA WITHIN THE BRANCHESTER LAKES SUBDIVISION OFF ROUTE 156, PRINCE GEORGE DRIVE, WITH ITS WESTERN BORDER AGAINST INTERSTATE 295 RIGHT-OF-WAY.

THE SITE HAS GENERALLY STEEP TOPOGRAPHY. THE SITE IS CURRENTLY VACANT WITH DENSE WOODS. THE STORMWATER DRAINAGE WILL BE CONTAINED BY CURB AND GUTTER TYPE SYSTEM AND WILL OUTFALL AT THE BACK OF LOTS 106 AND 105 WHERE PATCHY AREAS OF UPLAND TYPE WETLANDS OCCUR. THE DRAINAGE SYSTEM HAS BEEN DESIGNED TO RECEIVE THE RUNOFF OF FUTURE SECTION 15, WHICH WILL BE TO THE NORTH OF THIS SECTION. THE EXISTING DRAINAGE PATTERN IS GENERALLY NORTH TO SOUTH WITH THE NATURAL TOPOGRAPHY INDICATING CHANNELS WITHIN THE MIDDLE OF THE SITE.

EXISTING LAND USE TO THE EAST OF THE SITE IS RESIDENTIAL AND WILL NOT BE DIRECTLY AFFECTED BY THE DESIGNED RUNOFF. NO OFFSITE ACTIVITIES WHICH WOULD CAUSE EROSION ARE TO OCCUR DURING THE CONSTRUCTION OF THIS SITE. EROSION CONTROL MEASURES WILL BE TAKEN AT EACH STEP OF THE CONSTRUCTION SEQUENCE INCLUDING INLET PROTECTION, TEMPORARY SILT TRAP, DIVERSION, AND TEMPORARY PIPES. A BOUNDARY OF SILT FENCE WILL BE CONSTRUCTED ALONG THE APPROXIMATE 100-YEAR BACKWATER ELEVATION AT THE BACK PORTION OF THE SOUTHERN LOTS. THESE PARTICULAR LOTS MEET THE CRITERIA FOR CREATING LESS THAN 16% IMPERVIOUSNESS ON EACH LOT. SOILS TYPES IN THIS AREA HAVE A SLIGHT TO MODERATE EROSION HAZARD WITH KINSTON AND ACKWATER SOILS PRESENT.

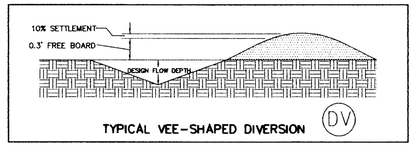


TEMPORARY DRAINAGE PIPE SCHEDULE

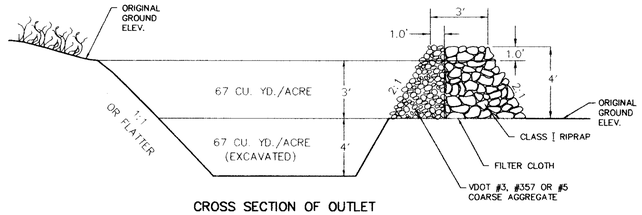
T1 60 LF OF 18" HDPE PIPE @ 5.8% SLOPE
INV. IN= 110.00, INV. OUT=106.52

T2 60 LF OF 15" HDPE PIPE @ 6.0% SLOPE
INV. IN= 108.90, INV. OUT=105.30

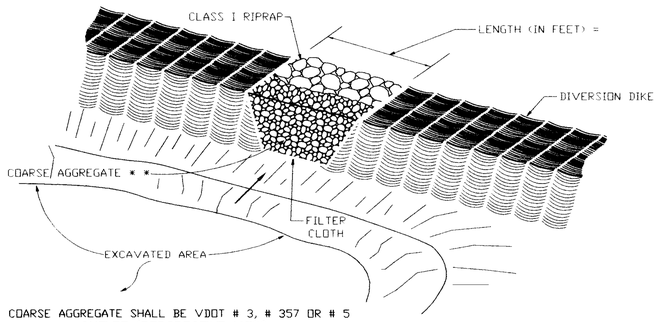
T3 60 LF OF 18" HDPE PIPE @ 3.5% SLOPE
INV. IN= 113.00, INV. OUT=110.95
NOTE: PIPES TO BE REMOVED PRIOR TO PLACEMENT OF PAVEMENT.



TYPICAL VEE-SHAPED DIVERSION (DV)



CROSS SECTION OF OUTLET



COARSE AGGREGATE SHALL BE VDOT # 3, # 357 OR # 5
OUTLET (PERSPECTIVE VIEW)

ST TEMPORARY SILT TRAP 3.13-2

NO SCALE

TEMPORARY SEDIMENT TRAP SCHEDULE

ST. NO.	DRAINAGE AREA	WET STORAGE (CU. YD.)	DRY STORAGE (CU. YD.)	LENGTH OF VDOT RIP-RAP	SIZE AT BOTTOM OF BASIN LENGTH FT.	WIDTH FT.	DEPTH FT.	STONE WD.(FT.)
1	1.0	67	67	6'	24	8	4	3
2	1.6	108	108	10'	34	13	4	3

THIS DRAWING PREPARED AT THE PRINCE GEORGE COUNTY OFFICE

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ENGINEERS * SURVEYORS * PLANNERS * LANDSCAPE ARCHITECTS * ENVIRONMENTAL SCIENTISTS * GEOGRAPHIC INFORMATION SYSTEMS CONSULTANTS * CONSTRUCTION MANAGERS

BRANCHESTER LAKES – SECTION 14

BLAND DISTRICT • PRINCE GEORGE COUNTY, VIRGINIA

HYDROLOGY AND EROSION CONTROL

DATE	REVISION DESCRIPTION
8-20-99	COUNTY COMMENTS
10-20-99	COUNTY COMMENTS

DATE	4-4-96
DRAWN BY	S.T.P.
DESIGNED BY	S.T.P.
CHECKED BY	D.A.J.
SCALE	1"=100'
JOB NO.	16391-05
SHEET NO.	6 OF 8

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