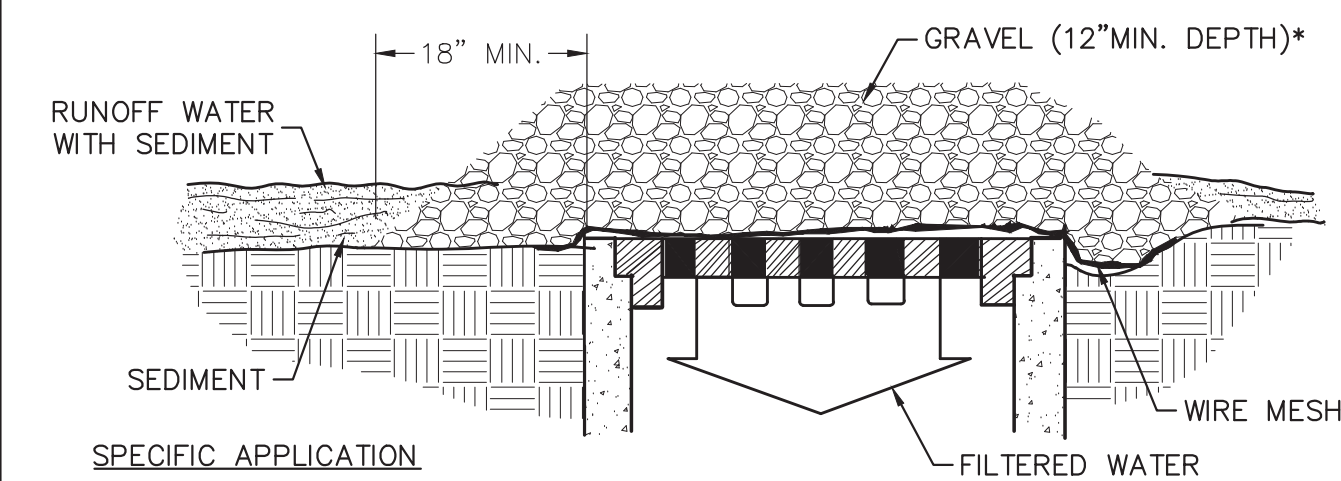
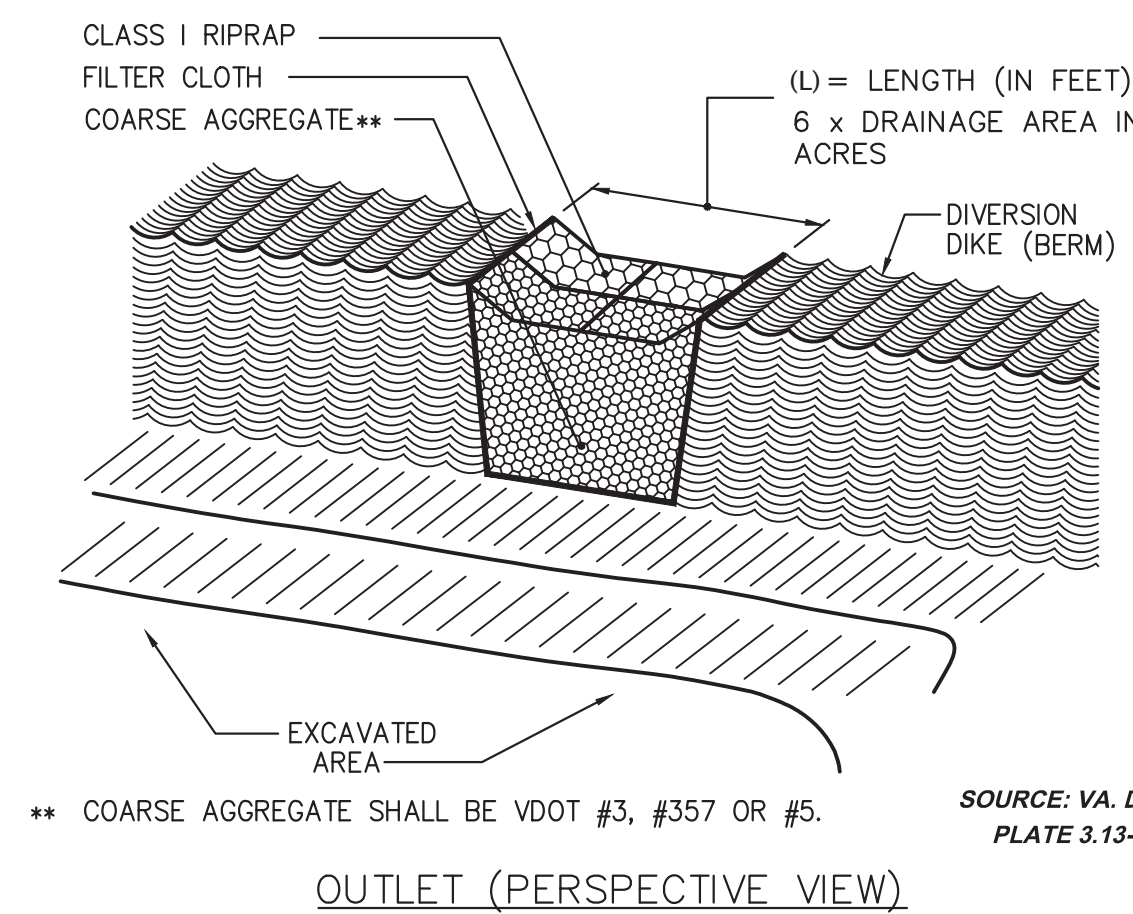
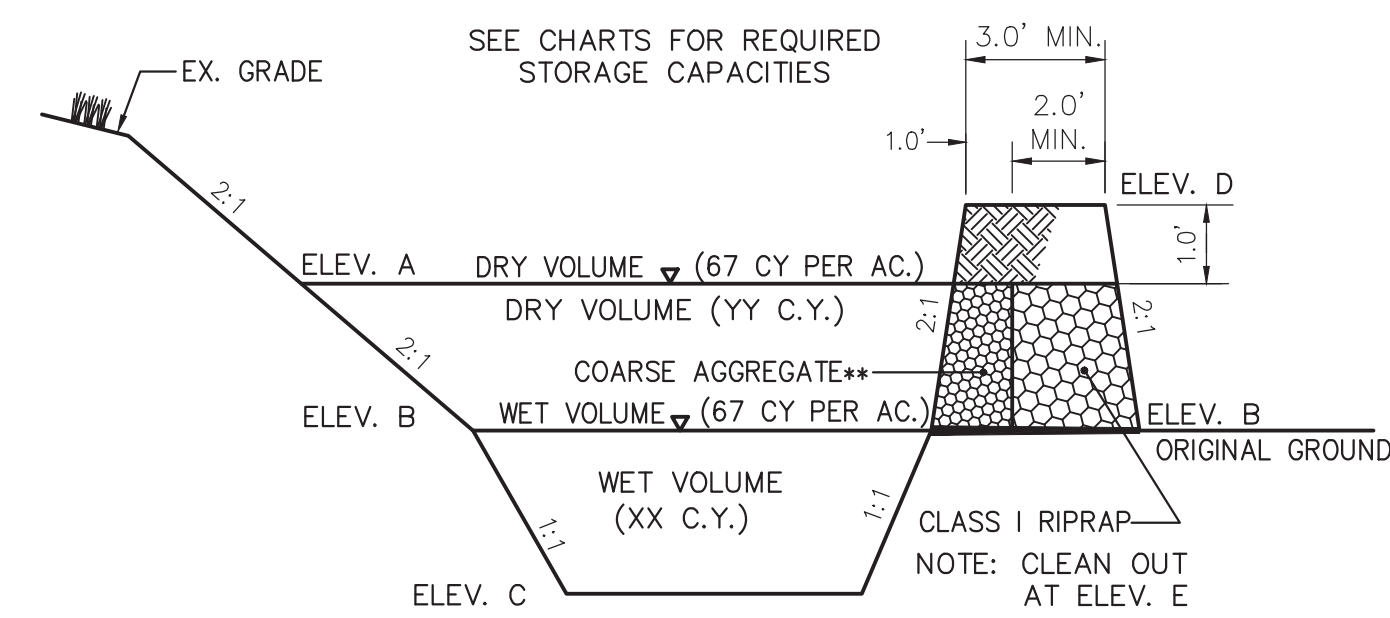
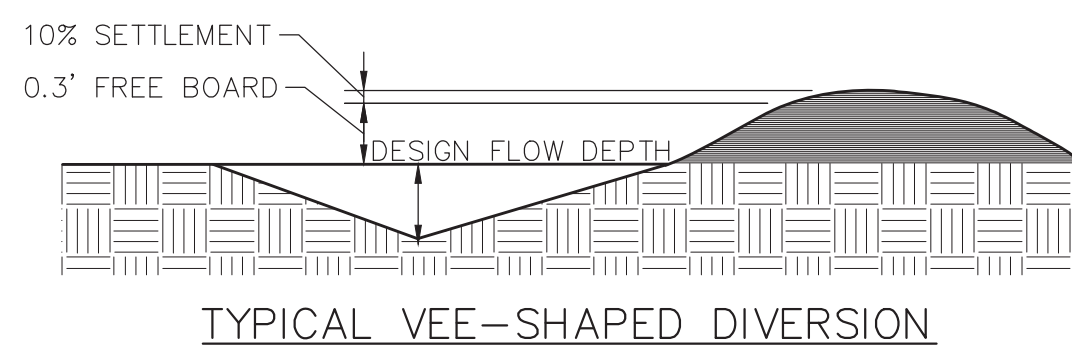
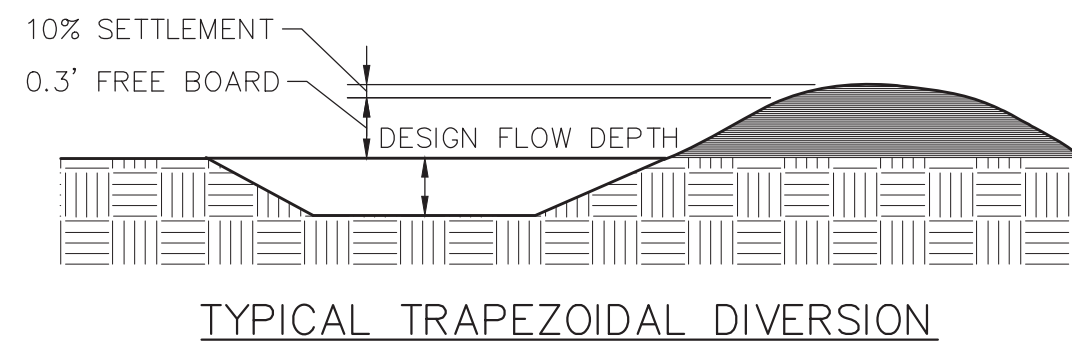
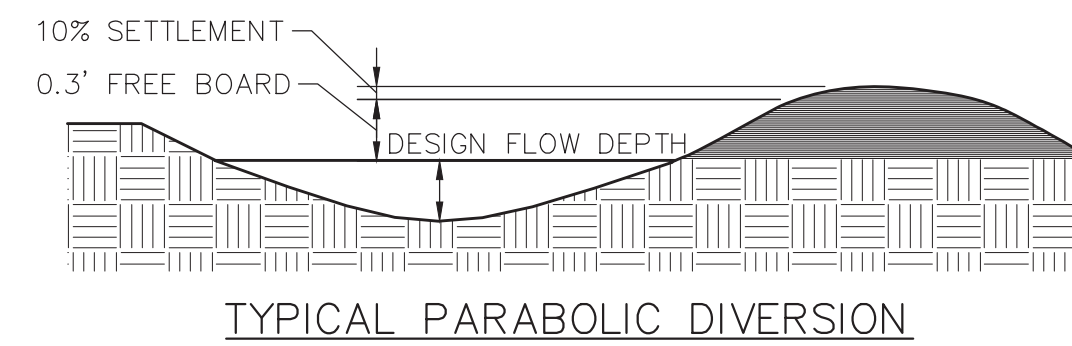




THIS METHOD OF INLET PROTECTION IS APPLICABLE WHERE HEAVY CONCENTRATED FLOWS ARE EXPECTED BUT NOT WHERE PONDING AROUND THE STRUCTURE MIGHT CAUSE EXCESSIVE INCONVENIENCE OR DAMAGE TO ADJACENT STRUCTURES AND UNPROTECTED AREAS.

* GRAVEL SHALL BE VDOT #3, #357 OR #5 COARSE AGGREGATE.

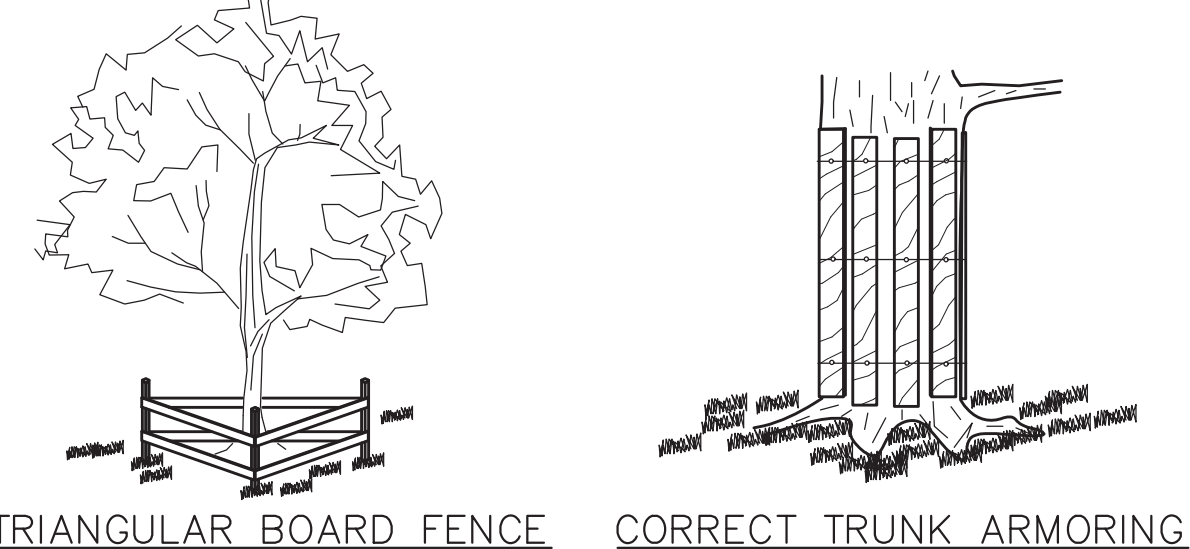
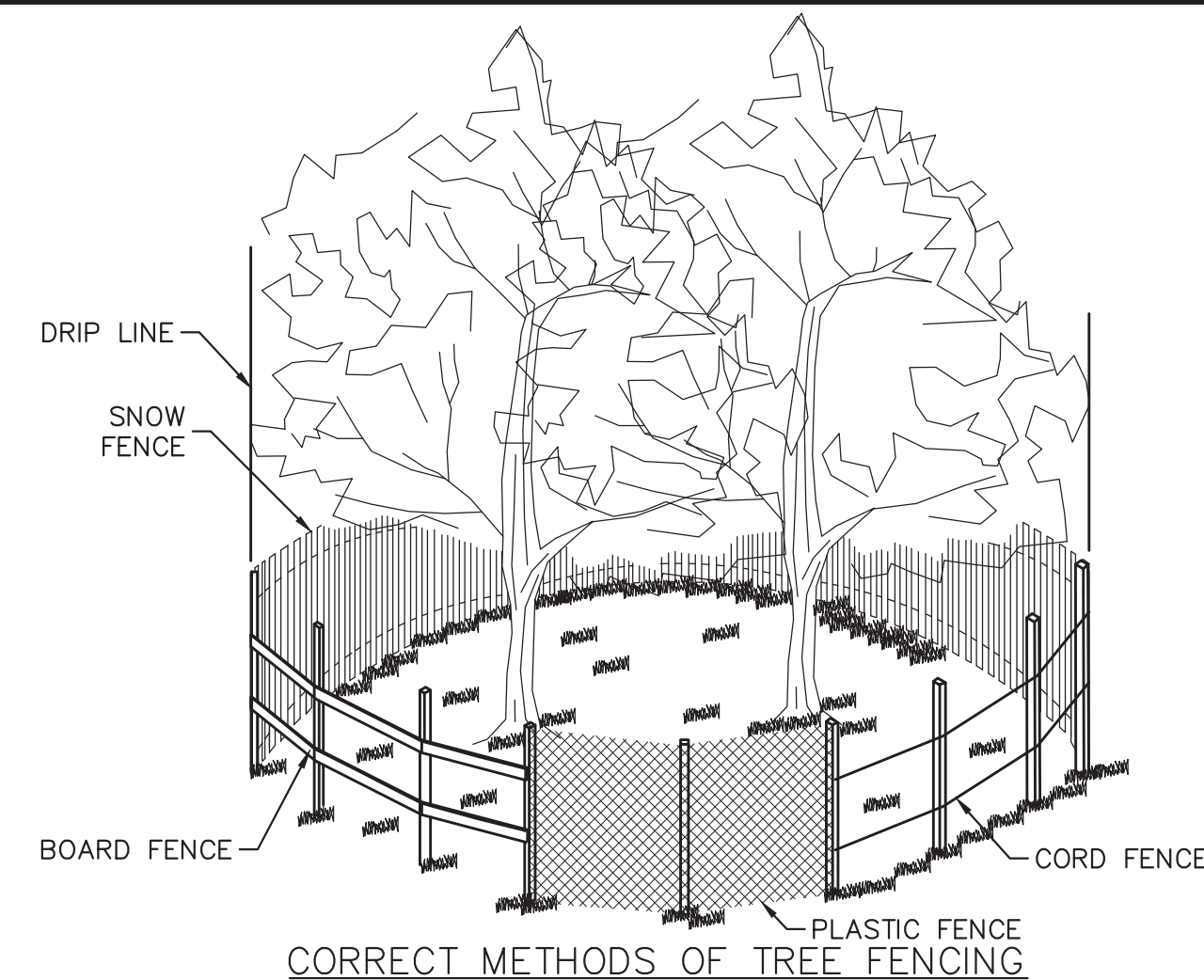
3.07 GRAVEL AND WIRE MESH DROP INLET FILTER
C401 C801 NOT TO SCALE

Actual Volume of Sediment Trap #1					
elevation	area (S.F.)	Vol. (C.F.)	Vol. (C.Y.)	Note	
1155.0	4848	18122	671	Top Berm	
1154.0	4058	13669	506	Top Dry El.	
1153.0	3326	9977	370		
1152.5	2977	8402	311		
1152.0	2655	6994	259		
1151.5	2343	5744	213	Top Wet El.	
1151.0	2052	4645	172	Cleanout El.	
1150.0	1509	2865	106		
1149.0	1042	1589	59		
1148.0	699	744	28		
1147.0	342	248	9		
1146.0	128	13	0		
1145.85	49	0	0	Bottom	

Required Size of Sediment Trap #1		
*Max. Drainage area:	2.620	Acres
Wet Vol. Req'd:	176	C.Y.
Dry Vol. Req'd:	176	C.Y.
Total Vol. Req'd:	351	C.Y.

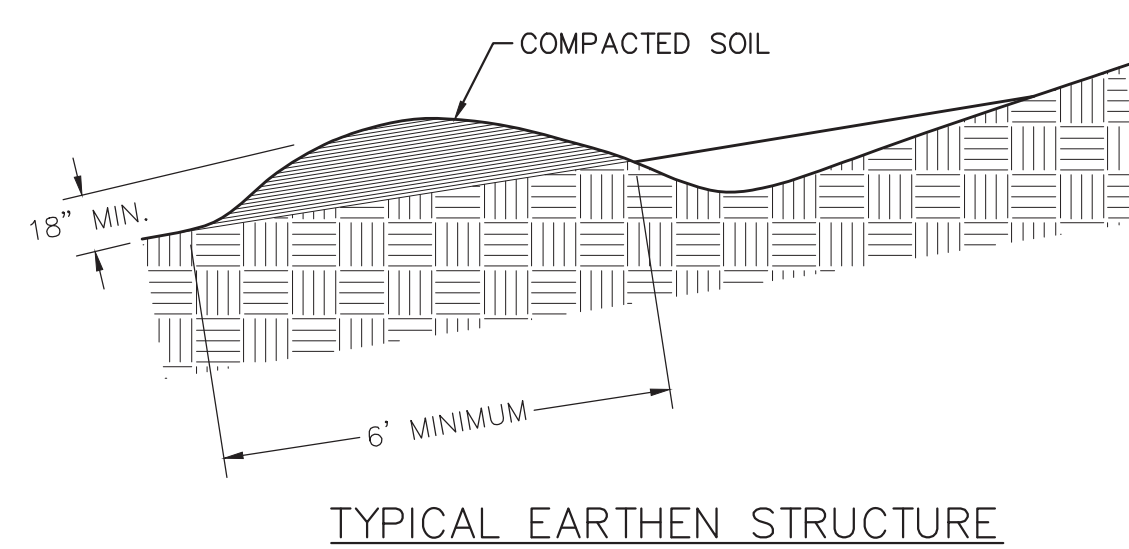
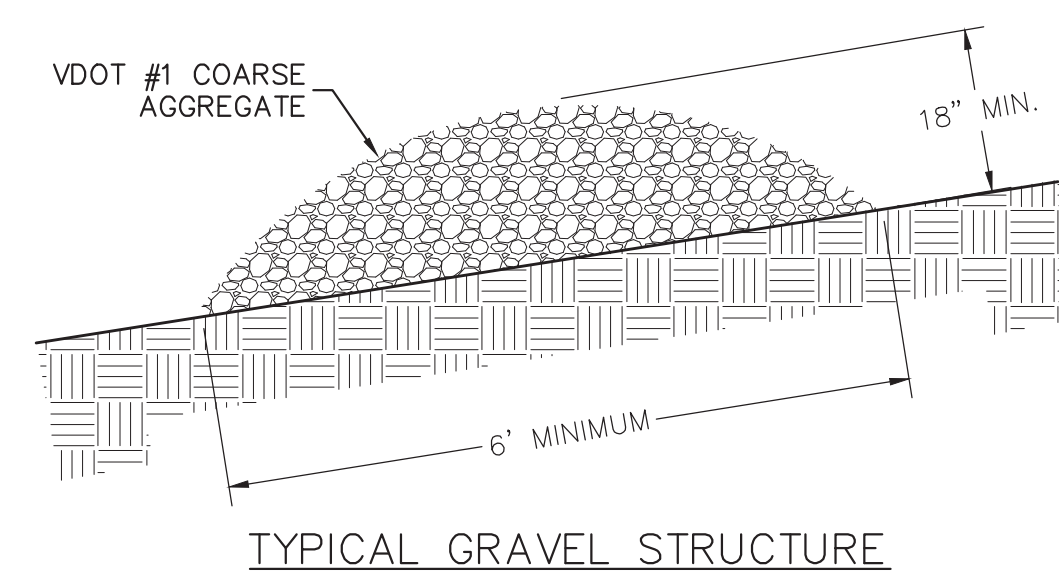
SEDIMENT TRAP #1	
ELEV. A	1154.0'
ELEV. B	1151.5'
ELEV. C	1145.85
ELEV. D	1155.0'
ELEV. E	1151.0'
(L)	16
XX	213 CY
YY	293 CY

3.12 TYPICAL DIVERSIONS
C400 | C801 NOT TO SCALE



3.38 TREE PROTECTION – FENCING AND ARMORING
C400/C801 NOT TO SCALE

3.13A TEMPORARY SEDIMENT TRAP
C400 C801 NOT TO SCALE

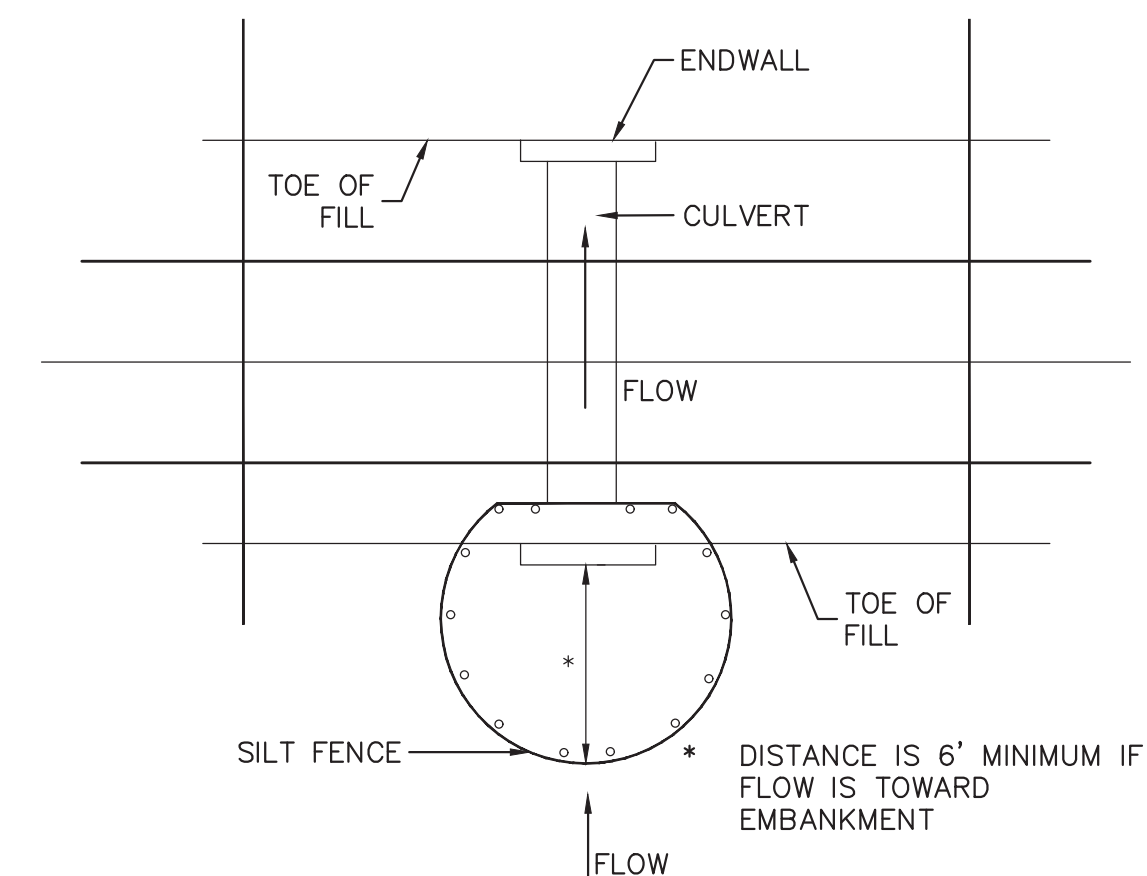


C400 C801

TEMPORARY RIGHT-OF-WAY DIVERSIONS

NOT TO SCALE

3.13B TEMPORARY SEDIMENT TRAP CALCULATIONS
C400 C801 NOT TO SCALE



3.08 SILT FENCE CULVERT INLET PROTECTION
C400 C801 NOT TO SCALE



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3rd Review

ESC DETAILS

REVISIONS

DESIGNED BY: KMJ

DRAWN BY: DEP

CHECKED BY: CAH

SCALE: N/A

DATE: MAY 24, 2021

PROJECT NUMBER:
20010271-010301

C801

**New Facility for
WOODSPRING
SUITES
3812 Peters Creek Road
Roanoke County, Virginia**

SHEET
21
OF
35

APPROVED, 8/4/2021