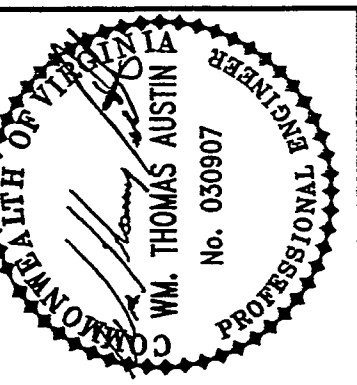




Revisions	Date	By	For
1	1/15/05		FINAL CITY OF ROANOKE REVIEW

Issue Date:	October 25, 2005
Drawn By:	CZN
Designed By:	RSB/CZV/WTA
Checked By:	WTA
Date:	10/25/2005

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SITE DEVELOPMENT PLANS
BY MARKET - PHASE I
DETAILS - EROSION AND
SEDIMENT CONTROL
CITY OF ROANOKE, VIRGINIA

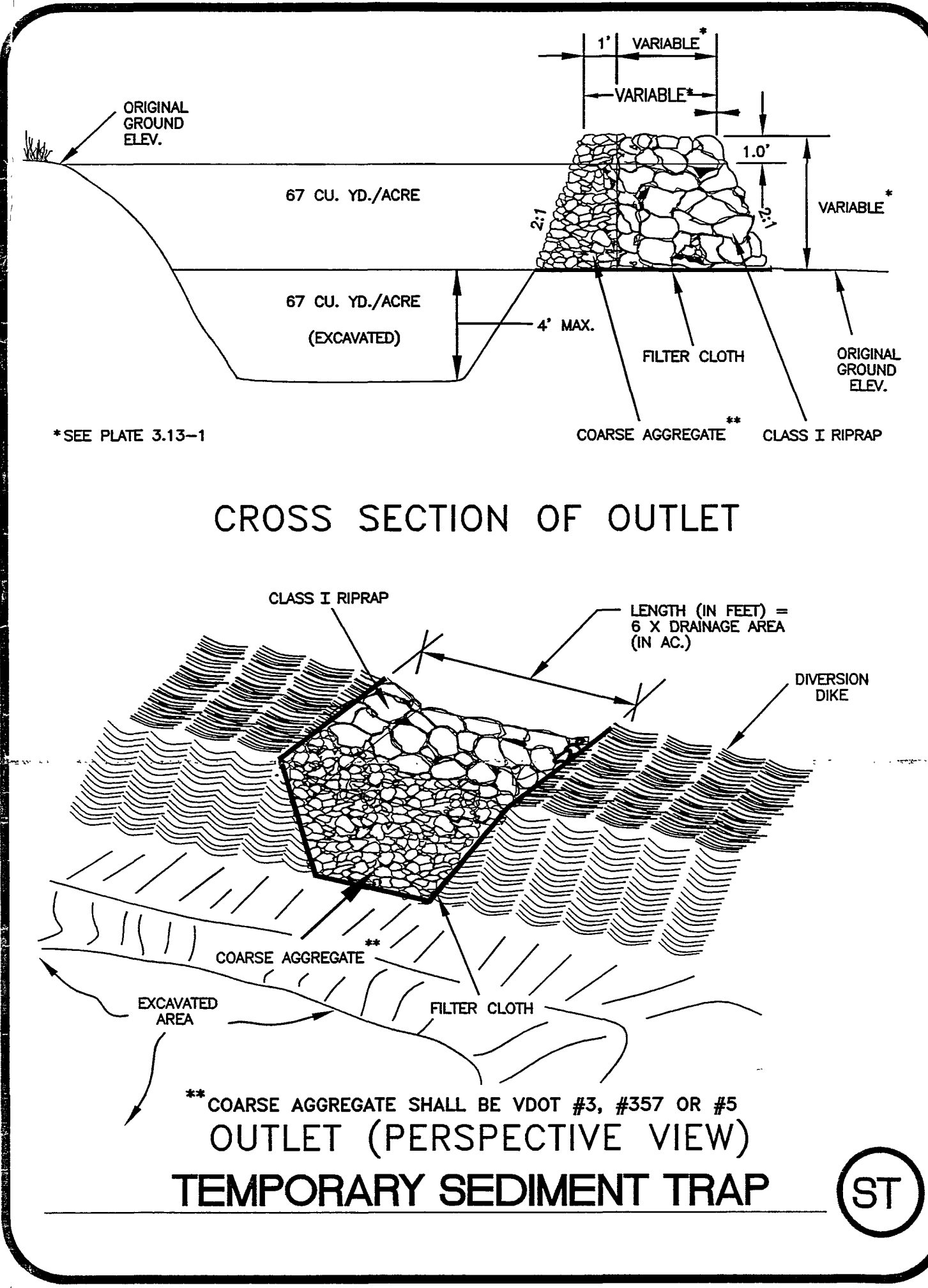
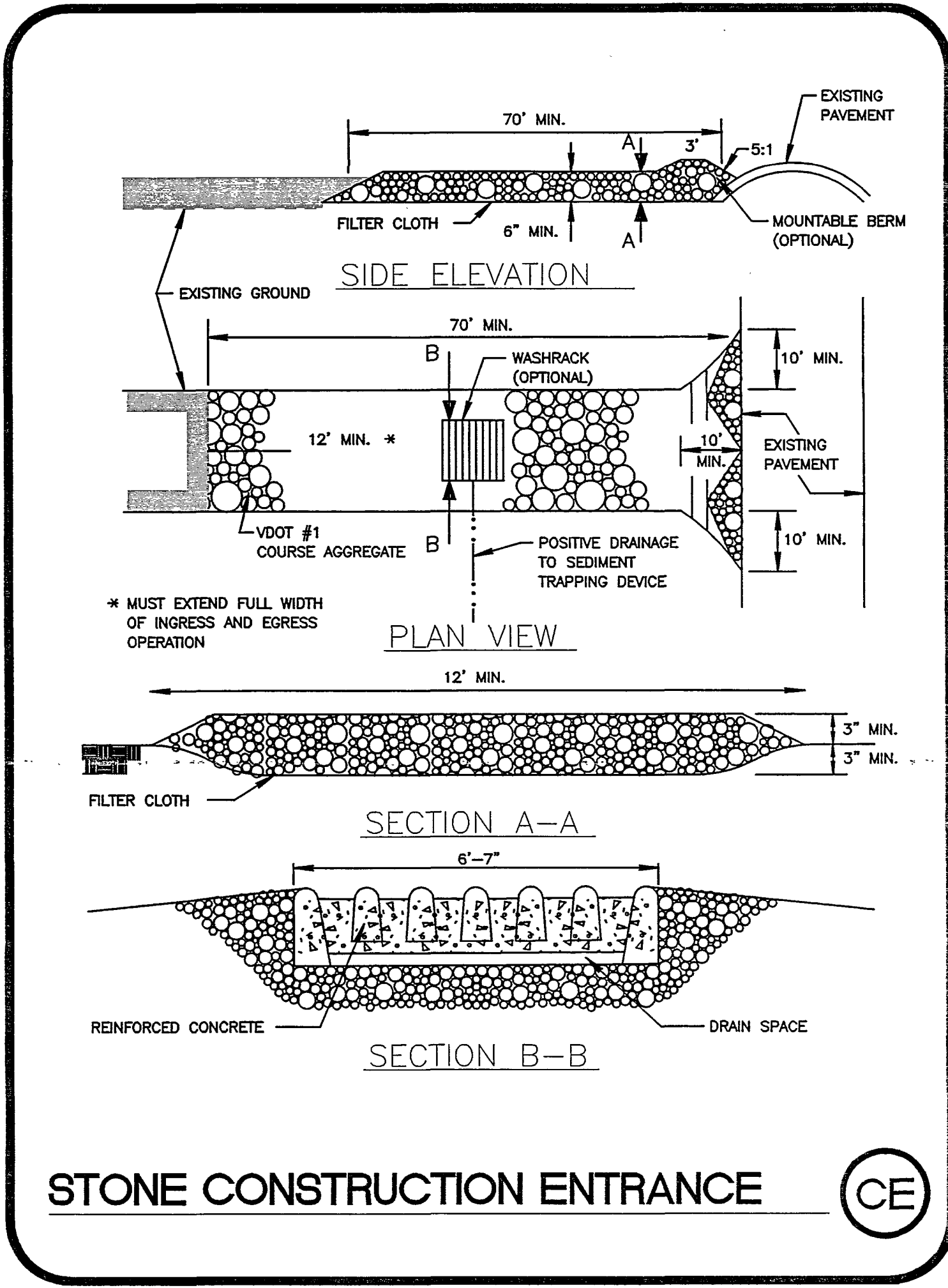
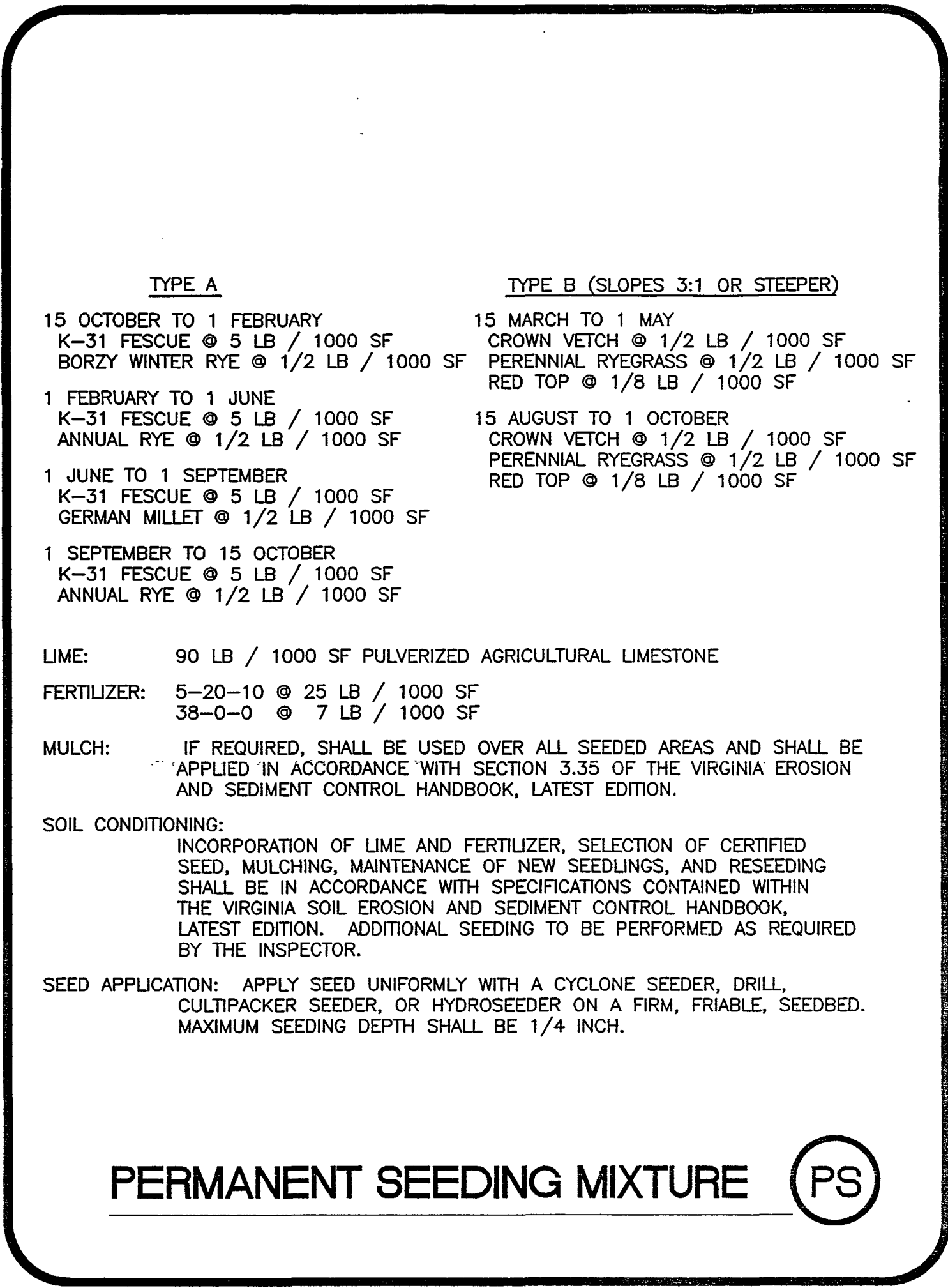
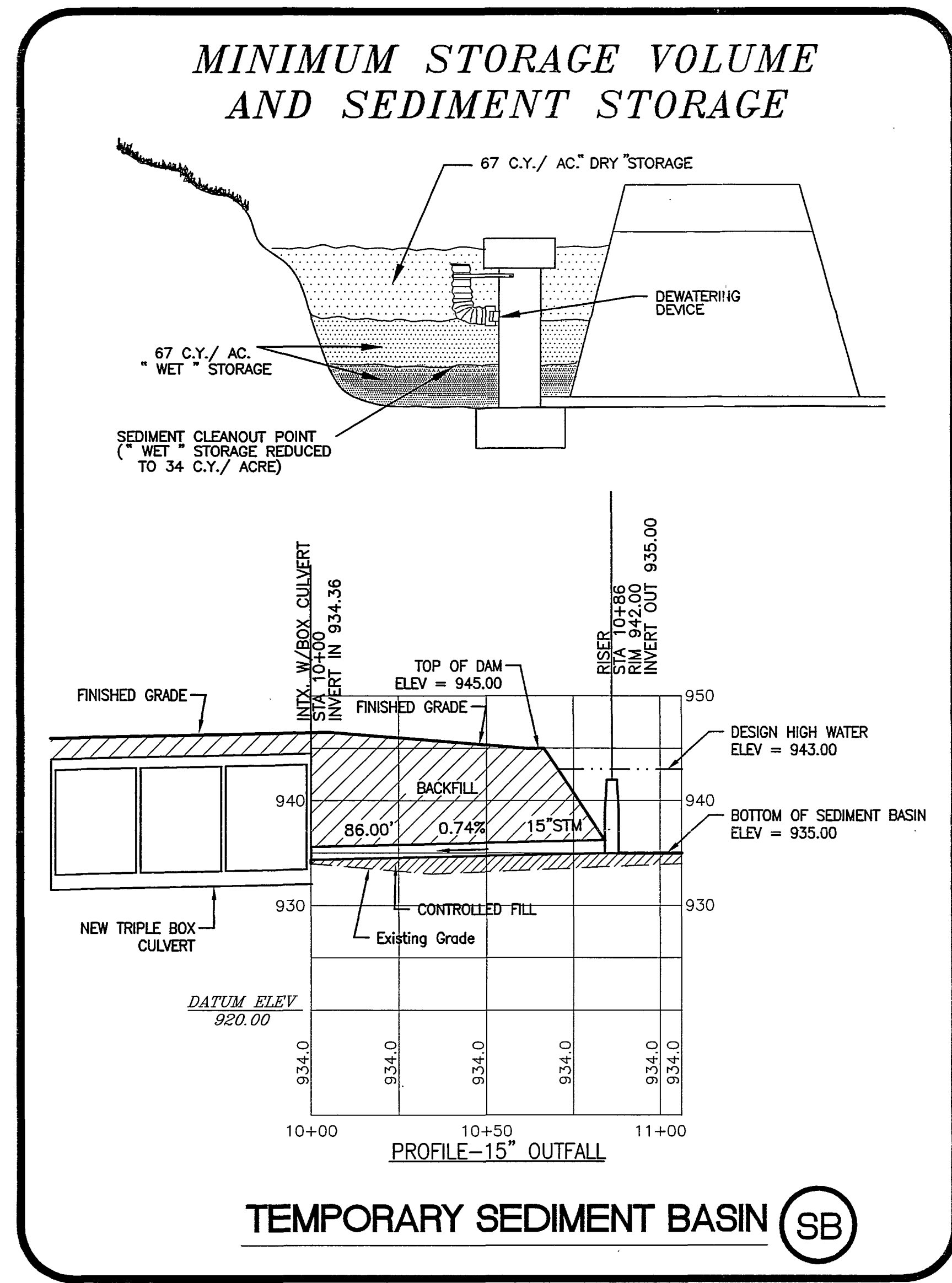
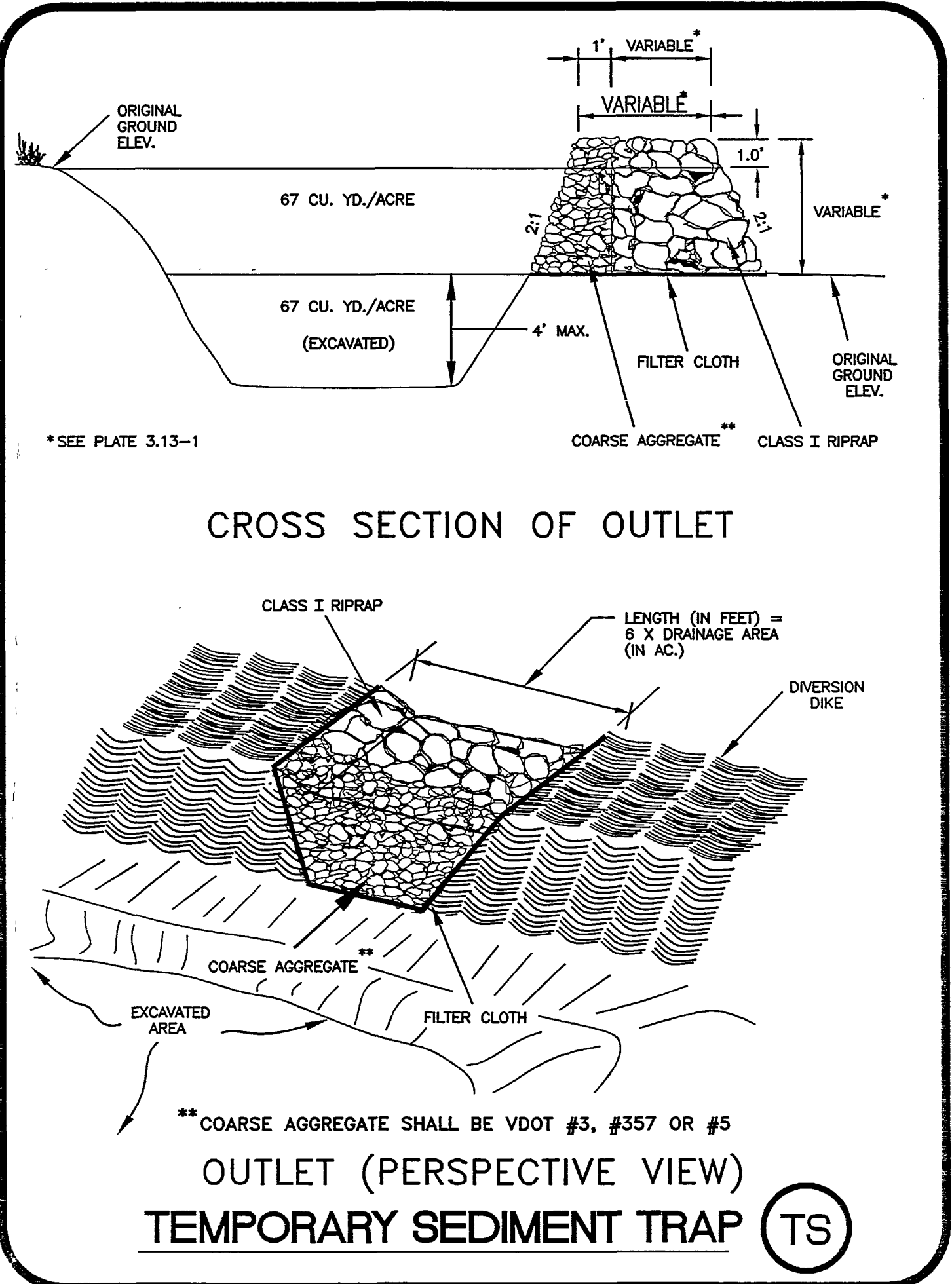
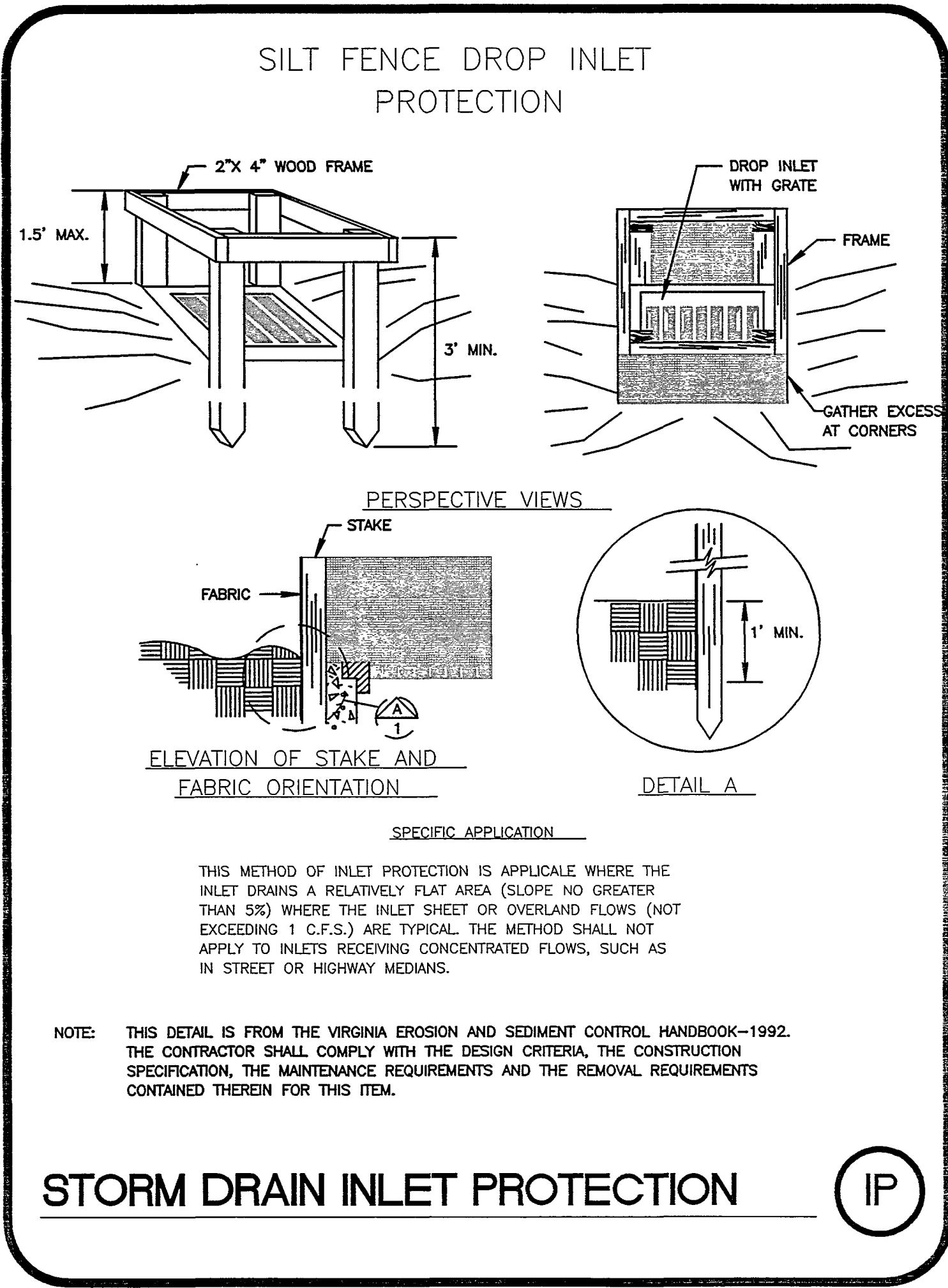
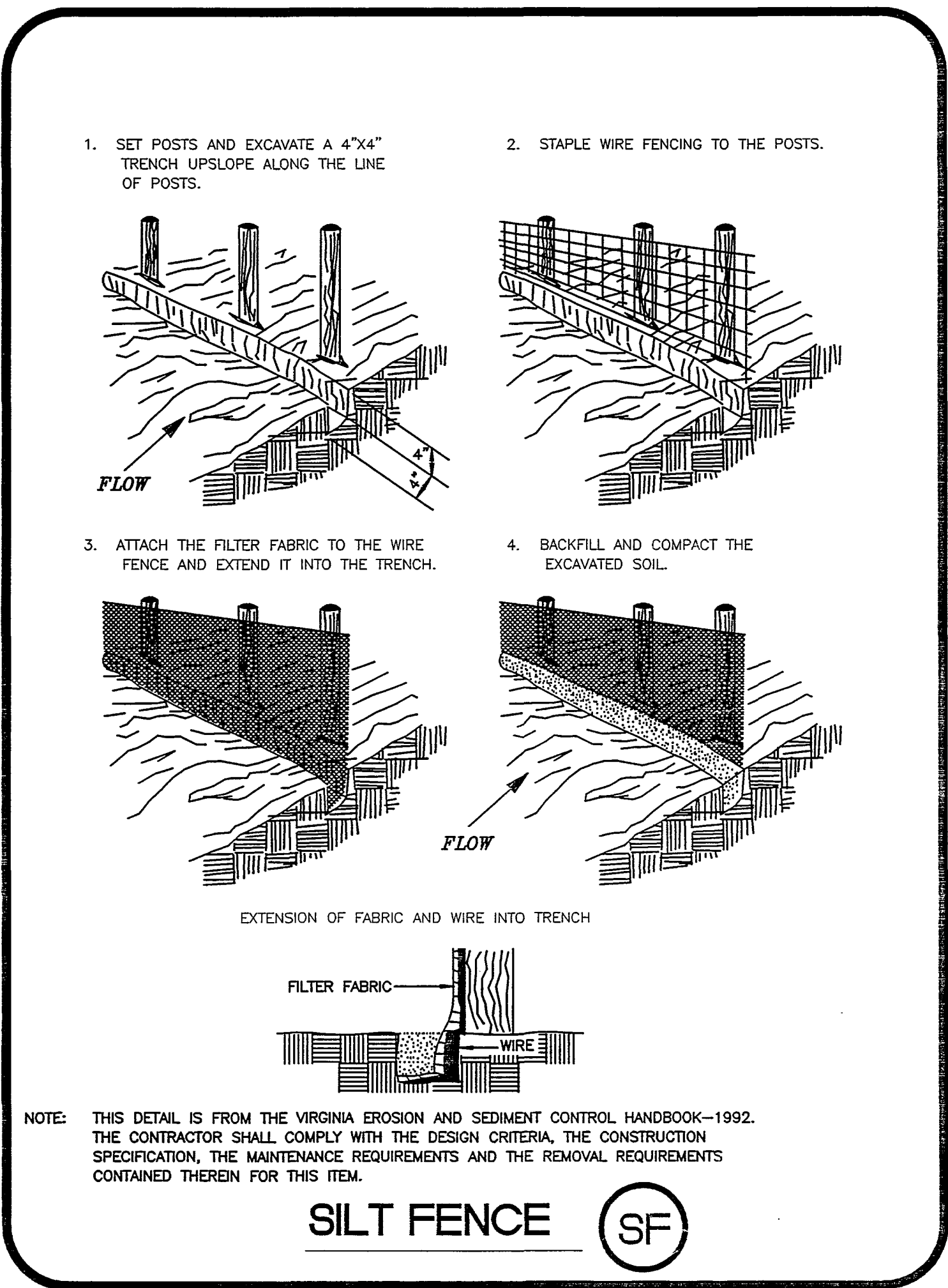
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Horizontal Scale:
N/A

Commission No.
2384

Sheet No.:

C-16



TEMPORARY SEDIMENT BASIN DESIGN AND CONSTRUCTION CRITERIA																		
BASIN NUMBER	VOLUME REQUIRED			BASIN SHAPE				RISER STRUCTURE				BARRREL PIPE - OUTFALL				EMERGENCY SPILLWAY		
	TOTAL	WET	DRY	A	L	W(e)	RATIO	DIAMETER (INCHES)	DEWATERING DEVICE ELEVATION	CREST ELEVATION	INVERT ELEVATION	DIAMETER (INCHES)	LENGTH (FT)	SLOPE (%)	OUTLET ELEVATION	ELEVATION	WIDTH (FT)	LINING
1	401	200	200	4360	148	29.5	5.0	36	940	942	935	15	86	1.8%	933.49	N/A	N/A	N/A

SEDIMENT TRAP SCHEDULE			
ID (ST-1, ST-2, etc)	ST-1	ST-2	ST-3
DRAINAGE AREA (ACRES)	1.76	2.3	1.9
DRY STORAGE VOLUME (CU. FT.)	3024	4158	3437
WET STORAGE VOLUME (CU. FT.)	3024	4158	3437
EXCAVATION DEPTH (FT.)	1.5	2.5	2.5
BOTTOM ELEVATION	942.5	935.5	955.0
SEDIMENT CLEANOUT ELEVATION	943.3	936.8	956.8
OUTLET ELEVATION	45.5	40.5	960.0
EMBANKMENT ELEVATION	46.5	41.5	961.0
OUTLET SPILLWAY LENGTH (ACROSS FLOW) (FT.)	11	14	10
EMBANKMENT TOP WIDTH (FT.)	3	5	3