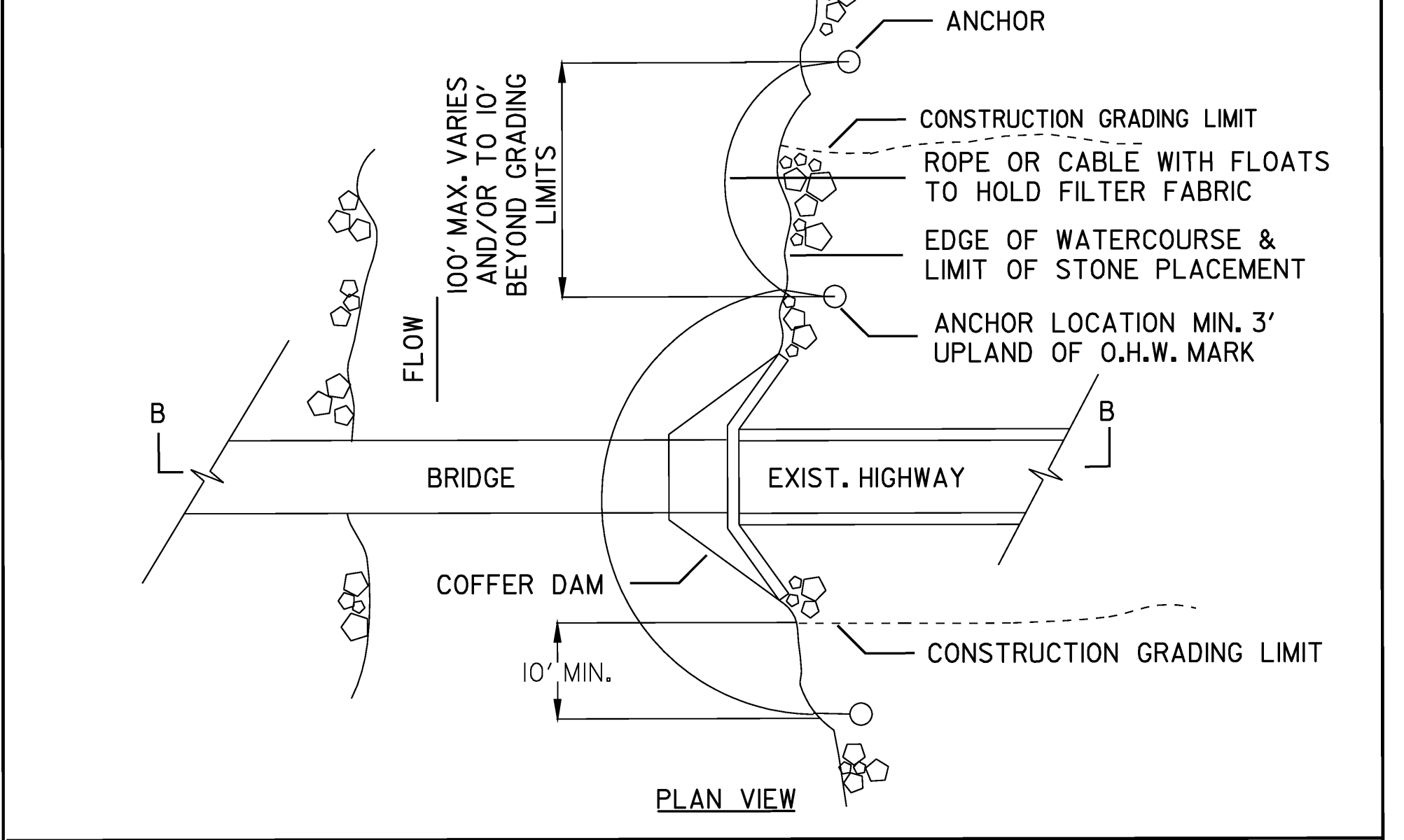
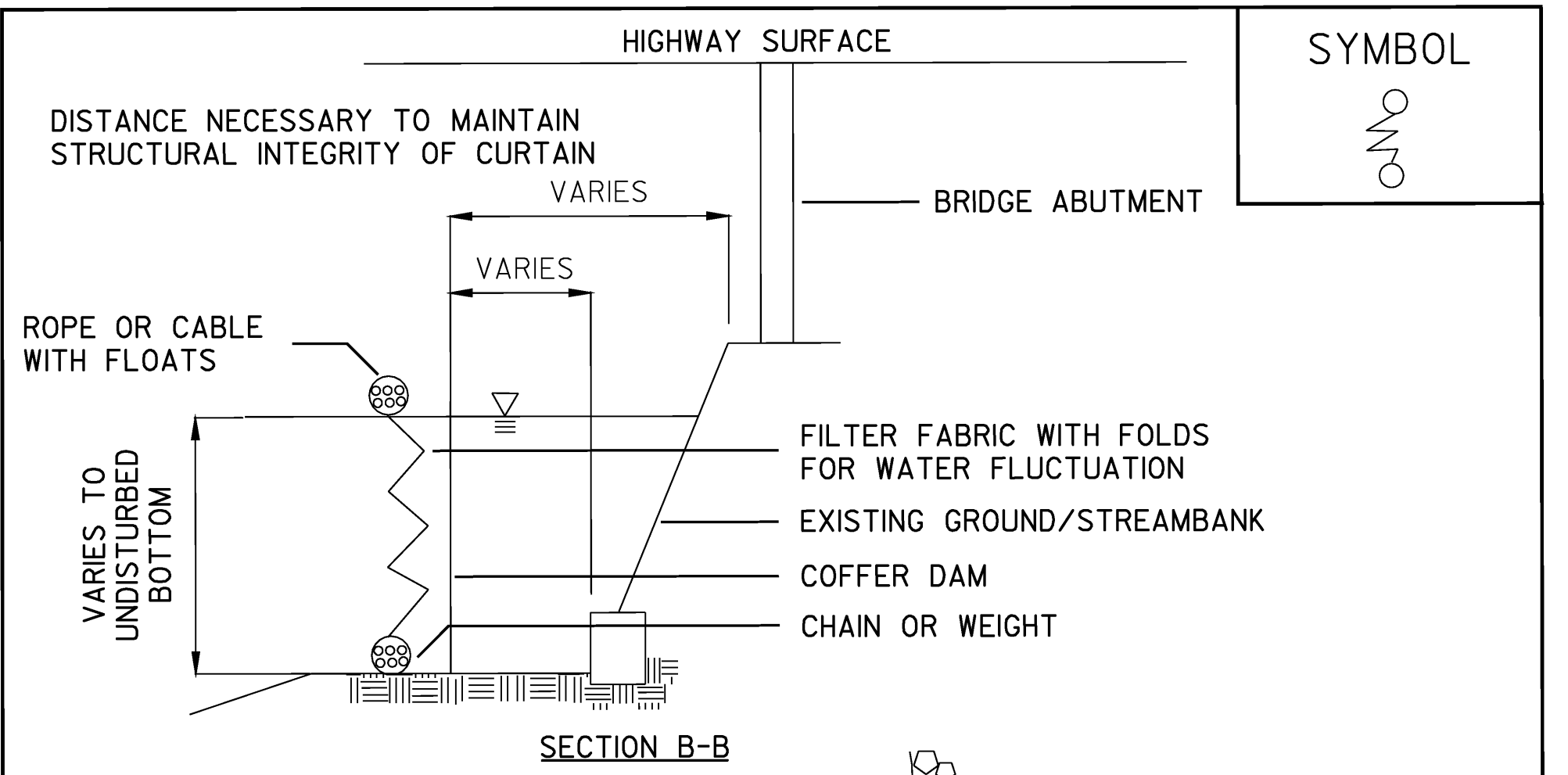


ADAPTED FROM DETAILS PROVIDED BY: NEW YORK STATE DEC
ORIGINALLY DEVELOPED BY USDA-NRCS
VERMONT DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SEDIMENT BASIN DETAILS

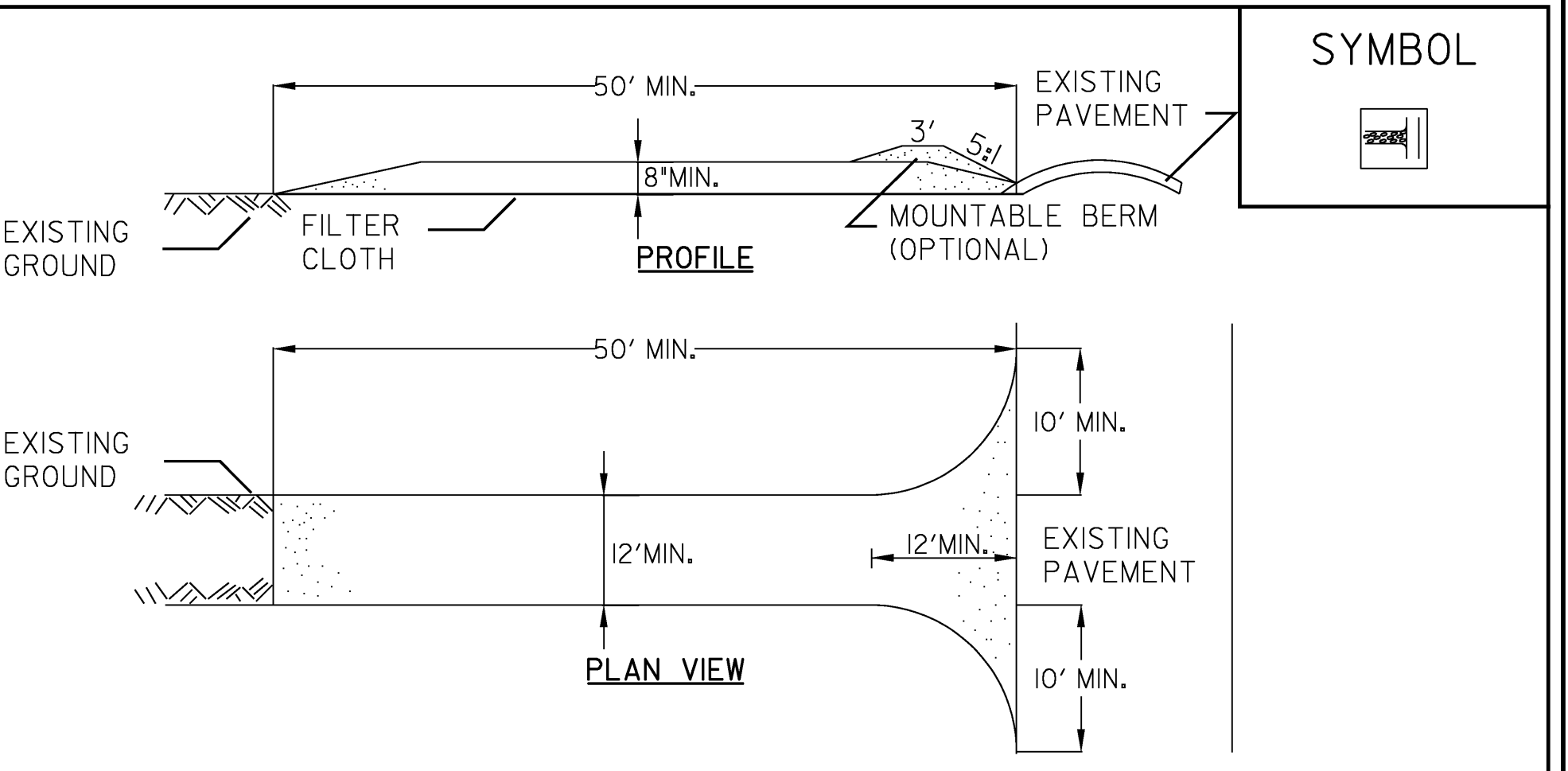
NOTES:
REFER TO 'THE VERMONT STANDARDS & SPECIFICATIONS FOR EROSION PREVENTION & SEDIMENT CONTROL -2006-' FROM THE VT AGENCY OF NATURAL RESOURCES FOR ADDITIONAL GUIDANCE.
THIS ITEM SHALL BE PAID FOR UNDER ITEM 208.40 COFFERDAM, IF IT IS USED AS A DEWATERING DEVICE FOR A COFFERDAM. IF THIS ITEM IS NOT USED AS A DEWATERING DEVICE IT SHALL BE PAID FOR UNDER A 900 SERIES SPECIAL PROVISION.



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VERMONT AGENCY OF TRANSPORTATION

TURBIDITY CURTAIN

NOTES:
THIS ITEM SHALL BE PAID FOR UNDER ITEM 649.61 GEOTEXTILE FOR FILTER CURTAIN



CONSTRUCTION SPECIFICATIONS

- STONE SIZE - USE 1-4" STONE, OR RECLAIMED OR RECYCLED CONCRETE EQUIVALENT.
- LENGTH - NOT LESS THAN 50 FEET (EXCEPT ON A SINGLE RESIDENCE LOT WHERE A 30 FOOT MINIMUM LENGTH APPLIES).
- THICKNESS - NOT LESS THAN EIGHT (8) INCHES.
- WIDTH - TWELVE (12) FOOT MINIMUM, BUT NOT LESS THAN THE FULL WIDTH AT POINTS WHERE INGRESS OR EGRESS OCCURS. TWENTY-FOUR (24) FOOT IF SINGLE ENTRANCE TO SITE.
- GEOTEXTILE MUST BE PLACED OVER THE ENTIRE AREA PRIOR TO PLACING STONE.
- SURFACE WATER - ALL SURFACE WATER FLOWING OR DIVERTED TOWARD CONSTRUCTION ENTRANCES SHALL BE PIPED BENEATH THE ENTRANCE. IF PIPING IS IMPRACTICAL, A MOUNTABLE BERM WITH 5:1 SLOPES WILL BE PERMITTED.
- MAINTENANCE - THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHTS-OF-WAY, ALL SEDIMENT SPILLED, DROPPED, WASHED OR TRACKED ONTO PUBLIC RIGHTS-OF-WAY MUST BE REMOVED IMMEDIATELY.
- WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON AN AREA STABILIZED WITH STONE AND WHICH DRAINS INTO AN APPROVED SEDIMENT TRAPPING DEVICE.
- PERIODIC INSPECTION AND NEEDED MAINTENANCE SHALL BE PROVIDED ACCORDING TO PERMIT REQUIREMENTS.

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STABILIZED CONSTRUCTION ENTRANCE

NOTES:
REFER TO 'THE VERMONT STANDARDS & SPECIFICATIONS FOR EROSION PREVENTION & SEDIMENT CONTROL -2006-' FROM THE VT AGENCY OF NATURAL RESOURCES FOR ADDITIONAL GUIDANCE.
THIS ITEM SHALL BE PAID FOR UNDER ITEM 653.35 VEHICLE TRACKING PAD

REVISIONS		
FEBRUARY 9, 2007	WHF	
MARCH 8, 2007	JMF	

SEDIMENT SETTLING BASIN SIZING CRITERIA

PUMP FLOW RATE	REQUIRED SURFACE AREA	LENGTH WIDTH = 2:1			
		Q (gpm)	Q (m ³ /s)	L (ft)	W (ft)
50	595	55	35.0	17.0	5.3
100	1200	111	49.0	24.5	7.5
150	1776	165	59.6	29.8	9.1
200	2368	220	68.8	34.4	10.5
250	2970	276	77.0	38.5	11.7
300	3560	330	84.4	42.2	12.9
350	4155	386	91.2	45.6	13.9

Target Particle Size is 0.01 mm

EPSC DETAILS 2

PROJECT NAME: LINCOLN	PLOT DATE: 29-JAN-2009
PROJECT NUMBER: BRO 1445 (25)	DRAWN BY: T. LACKY
FILE NAME: s96J266ero.dgn	CHECKED BY: R. WHITCOMB
PROJECT LEADER: R. WHITCOMB	SHEET 19 OF 58
DESIGNED BY: T. LACKY	
EPSC DETAILS 2	