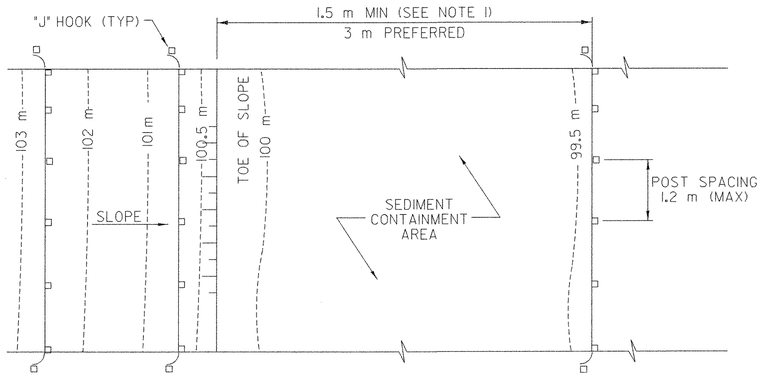
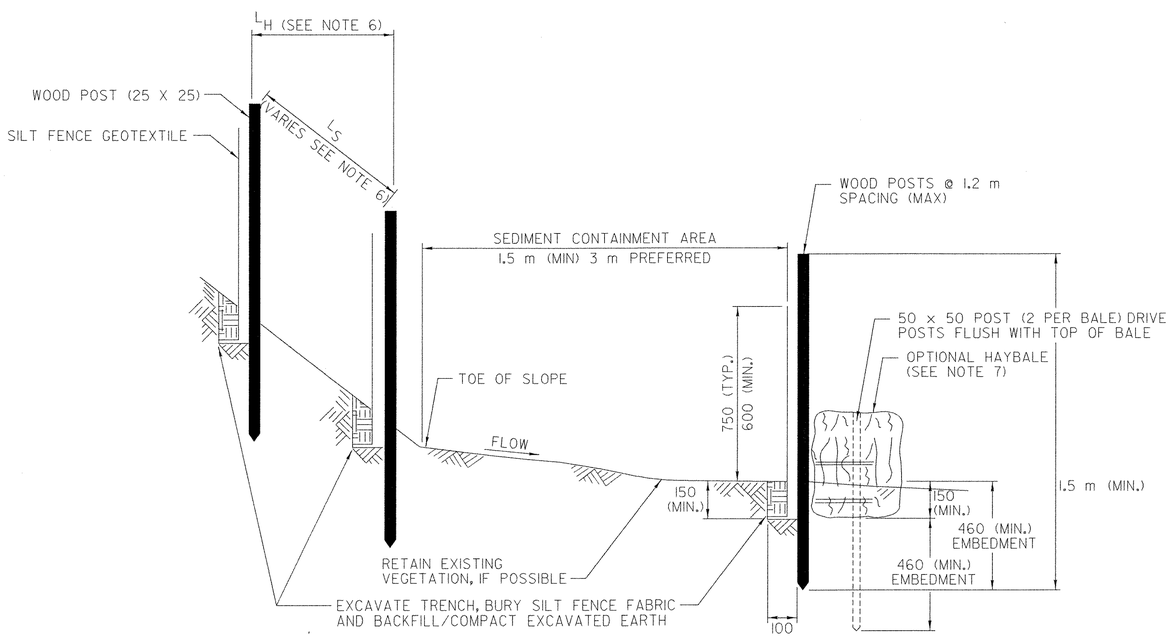


PLAN



SECTION

SILT FENCE – TEMPORARY

N.T.S.

STANDARD SYMBOL

□ □ □ □

DATUM

VERTICAL NAVD 88

HORIZONTAL NAD 83 (1992)

APPLICATION NOTES:

A. THE PRIMARY PURPOSE OF SILT FENCE IS TO REDUCE RUNOFF VELOCITY AND TRAP SEDIMENT. VELOCITY IS REDUCED, WATER IS IMPOUNDED BEHIND THE MEASURE, AND SEDIMENT FALLS OUT OF SUSPENSION.

B. SILT FENCE SHALL BE INSTALLED ON A LINE OF EQUAL ELEVATION (CONTOUR). IT MAY BE INSTALLED AT INTERMEDIATE POINTS UP SLOPES AS WELL AS AT THE BOTTOM AS SHOWN IN THE DETAIL.

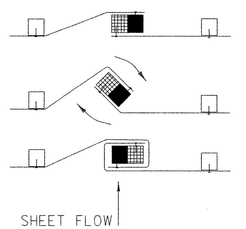
C. SILT FENCE SHALL NOT BE USED ACROSS CONCENTRATED FLOW.

GENERAL NOTES:

1. SILT FENCE SHALL GENERALLY BE PLACED A MINIMUM OF 1.5 m BEYOND TOE OF SLOPE (3 m PREFERRED) TO PROVIDE ADEQUATE AREA FOR SEDIMENT STORAGE AND FACILITATE MAINTENANCE OF THE SEDIMENT CONTAINMENT AREA.
2. ALL ENDS SHALL BE "J" HOOKED TO TRAP SEDIMENT.
3. IN AREAS WITH TWO SLOPES, SILT FENCE SHALL BE USED TO ERECT A DAM AND TRAP SEDIMENT AT THE BASE OF THE STEEPER SLOPE.
4. THE BOTTOM EDGE OF SILT FENCE SHALL BE BURIED A MINIMUM OF 150 mm BELOW GROUND, AND KEYED IN 100 mm. THE FENCE SHALL BE INSTALLED WITH THE POSTS ON THE DOWNSTREAM SIDE OF THE FABRIC.
5. MAXIMUM DRAINAGE AREA TRIBUTARY TO 30 m OF SILT FENCE SHALL BE 0.1 Ha.
6. THE FOLLOWING ARE MAXIMUM SLOPE LENGTHS FOR THESE MEASURES:

CONSTRUCTED SLOPE (H:V)	SLOPE LENGTH (L_S) m	HORIZONTAL LENGTH (L_H) m
2 : 1	15	13
3 : 1	25	24
4 : 1	40	39
5 : 1	60	60
> 5 : 1	80	80

7. HAY BALES MAY BE USED TO HELP SUPPORT SILT FENCE INSTALLATIONS ON STEEP EMBANKMENTS AS DIRECTED BY THE CONTRACTOR'S ON-SITE PLAN COORDINATOR. BALES SHALL BE REMOVED WHEN THEY HAVE SERVED THEIR USEFULNESS AND SURROUNDING AREAS ARE STABILIZED OR AS DIRECTED BY THE CONTRACTOR'S ON-SITE PLAN COORDINATOR. PAYMENT FOR HAY BALE INSTALLATIONS SHALL BE CONSIDERED INCIDENTAL TO ITEM 649.5I GEOTEXTILE FOR SILT FENCE.
8. MEASURES SHALL BE INSPECTED ON A DAILY BASIS AND AFTER EVERY STORM EVENT GREAT ENOUGH TO CAUSE WATER TO LEAVE THE CONSTRUCTION SITE OR AS DIRECTED BY THE CONTRACTOR'S ON-SITE PLAN COORDINATOR.
9. MEASURES SHALL BE CLEANED AND REPAIRED AS NEEDED. SEDIMENT SHALL BE REMOVED WHEN ACCUMULATION REACHES ONE-HALF OF THE MEASURE HEIGHT. SEDIMENT SHALL BE DISPOSED OF AS UNSUITABLE MATERIAL.
10. SILT FENCE SHALL BE REMOVED WHEN THE AREA HAS BEEN STABILIZED. AT TIME OF REMOVAL OF THE SILT FENCE, THE DISTURBED AREA SHALL BE REPAIRED AND STABILIZED AS DIRECTED BY THE CONTRACTOR'S ON-SITE PLAN COORDINATOR.
11. PAYMENT FOR INSTALLATION AND REMOVAL OF SILT FENCE SHALL BE MADE UNDER ITEM 649.5I GEOTEXTILE FOR SILT FENCE.
12. PAYMENT FOR MONITORING SILT FENCE SHALL BE MADE UNDER ITEM 652.20 MONITORING EROSION PREVENTION & SEDIMENT CONTROL PLAN.
13. PAYMENT FOR MAINTAINING SILT FENCE SHALL BE MADE UNDER ITEM 652.30 FIELD MAINTENANCE OF EROSION PREVENTION & SEDIMENT CONTROL PLAN UNLESS MAINTENANCE IS REQUIRED DUE TO POOR INSTALLATION PRACTICES.



1. PLACE THE END POST OF ONE FENCE INSIDE THE END POST OF THE OTHER FENCE.
2. ROTATE BOTH POSTS AT LEAST 180 DEGREES IN A CLOCKWISE DIRECTION TO CREATE A TIGHT SEAL WITH THE FABRIC MATERIAL
3. DRIVE BOTH POSTS 460 mm INTO THE GROUND AND BURY THE FLAP IN THE TRENCH.

SPLICING DETAIL

N.T.S.

NOTE: ALL DIMENSIONS ARE IN MILLIMETERS (mm) EXCEPT WHERE NOTED.

VERMONT AGENCY OF TRANSPORTATION

CLOUGH HARBOUR & ASSOCIATES LLP
III Winners Circle, PO Box 5269, Albany, NY 12205
www.cloughharbour.com

PROJECT NAME: BENNINGTON
PROJECT NUMBER: AC NH 019-1(53)

FILE NAME: ZD048escd02.DGN
PROJECT LEADER: D.E.G.
DESIGNED BY: D.W.E.
EROSION CONTROL DETAILS ECD-3

PLOT DATE: 5/21/2007
DRAWN BY: C.A.K.
CHECKED BY: D.E.G.
SHEET 453 OF 577

FILE NAME =U:\9819\mstn\03-clough\EROSION\zd048escd02.dgn
DATE/TIME =5/21/2007
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