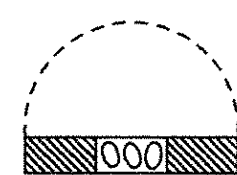


SYMBOL



CONSTRUCTION SPECIFICATIONS

- VOLUME OF SEDIMENT STORAGE SHALL BE PER SEDIMENT TRAP SIZING CRITERIA THIS SHEET.
- MINIMUM CREST WIDTH (FEET) SHALL BE PER SEDIMENT TRAP SIZING CRITERIA THIS SHEET.
- SEDIMENT SHALL BE REMOVED AND TRAP RESTORED TO ITS ORIGINAL DIMENSIONS WHEN THE SEDIMENT HAS ACCUMULATED TO 1/2 THE DESIGN DEPTH OF THE TRAP. REMOVED SEDIMENT SHALL BE DEPOSITED IN A SUITABLE AREA AND STABILIZED.
- THE STRUCTURE SHALL BE INSPECTED AFTER EACH RAIN OR DEWATERING OPERATION REPAIRS MADE AS NEEDED.
- CONSTRUCTION OPERATIONS SHALL BE CARRIED OUT IN SUCH A MANNER THAT EROSION AND SEDIMENT ARE CONTROLLED.
- THE SEDIMENT TRAP SHALL BE REMOVED AND AREA STABILIZED WHEN DEWATERING OPERATIONS ARE NO LONGER REQUIRED.
- ALL CUT SLOPES SHALL BE 1:1 OR FLATTER.
- GRASS OUTLET SEDIMENT TRAP SHALL BE REQUIRED FOR DEWATERING BRIDGE CONSTRUCTION AND SHALL BE PAID FOR UNDER ITEM 900.620 SPECIAL PROVISION (GRASS OUTLET SEDIMENT TRAP)

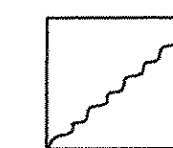
SEDIMENT TRAP SIZING CRITERIA											
PUMP FLOW RATE*		REQUIRED SURFACE AREA		LENGTH:WIDTH=2:1				DEPTH		CREST WIDTH	
Q (gmp)	Q (m3s)	(ft ²)	(m ²)	L (ft)	W (ft)	L (m)	W (m)	(ft)	(m)	(ft)	(m)
50	0.0032	582	54	34	17	10.4	5.2	2.0	0.6	4.0	1.2
100	0.0063	1164	108	48	24	14.7	7.4	2.0	0.6	4.0	1.2
150	0.0095	1746	162	59	30	18.0	9.0	2.0	0.6	4.0	1.2
200	0.0126	2328	216	68	34	20.8	10.4	2.0	0.6	4.0	1.2
250	0.0158	2910	270	76	38	23.3	11.6	2.0	0.6	4.0	1.2
300	0.0189	3492	324	84	42	25.5	12.7	2.0	0.6	4.0	1.2
350	0.0221	4074	378	90	45	27.5	13.8	2.0	0.6	4.5	1.4

*PUMP FLOW RATE IS THE TOTAL FLOW RATE FOR ALL PUMPS DISCHARGING TO SEDIMENT TRAP

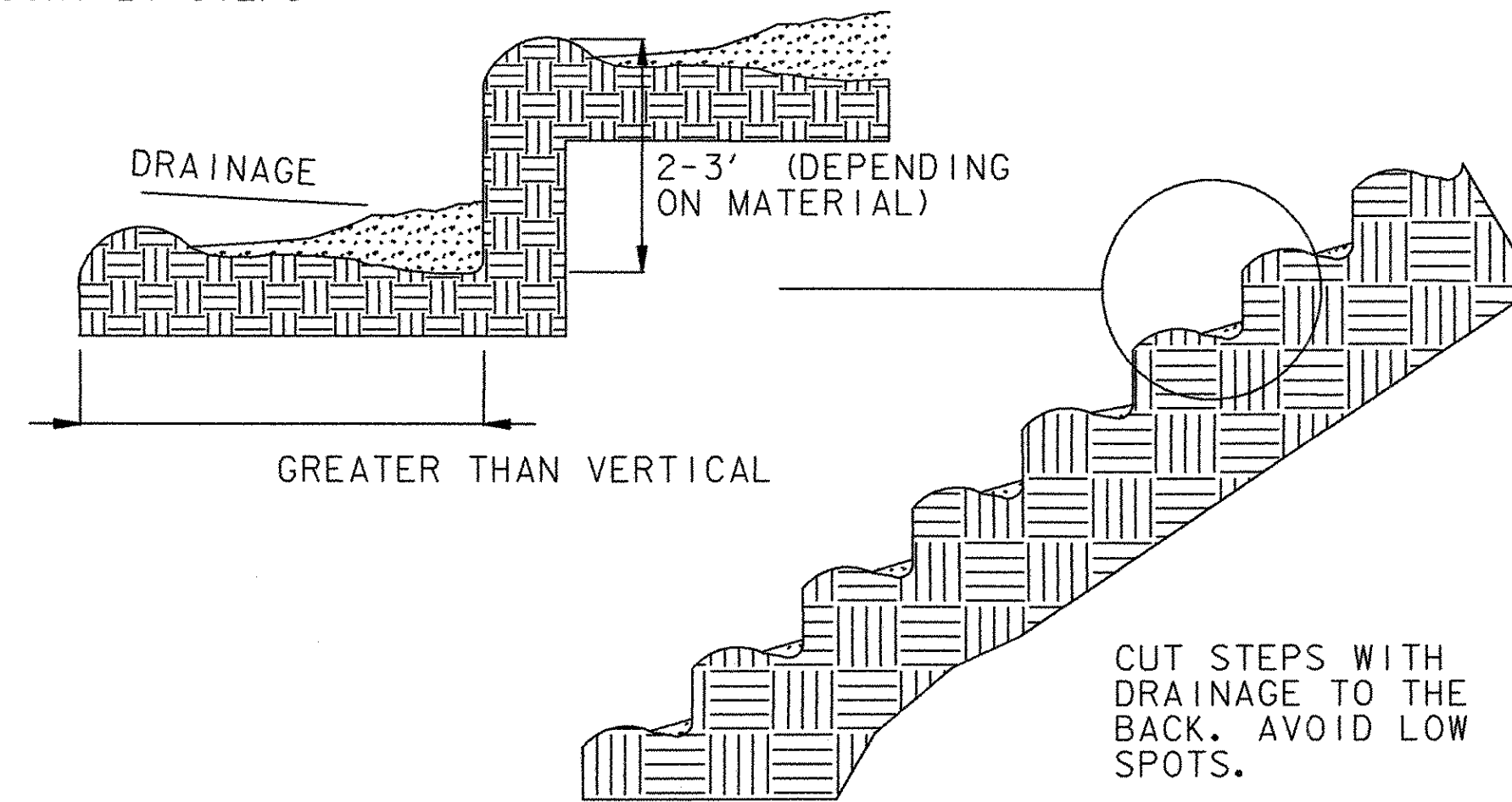
NOTES:

- REFER TO "THE VERMONT STANDARDS & SPECIFICATIONS FOR EROSION PREVENTION & SEDIMENT CONTROL -2006- " FROM THE VT AGENCY OF NATURAL RESOURCES FOR ADDITIONAL GUIDANCE.
- ADAPTED FROM DETAILS PROVIDED BY: NEW YORK STATE DEC ORIGINALLY DEVELOPED BY USDA-NRCS VERMONT DEPARTMENT OF ENVIRONMENTAL CONSERVATION
- ENGLISH UNITS RETAINED FROM ORIGINAL DETAIL

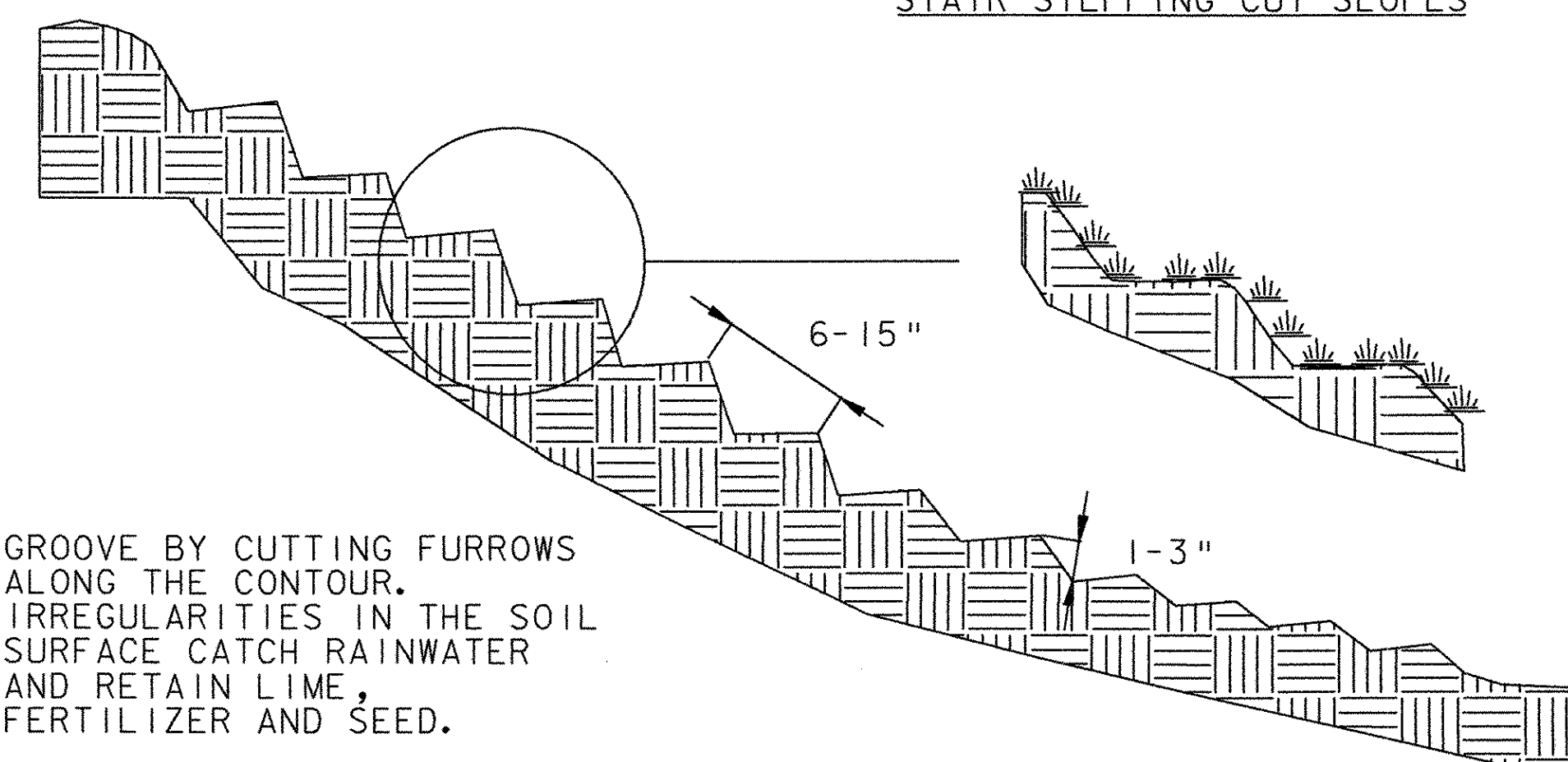
SYMBOL



DEBRIS FROM SLOPE ABOVE IS CAUGHT BY STEPS



STAIR STEPPING CUT SLOPES



GROOVING SLOPES

SURFACE ROUGHENING DETAILS

CONSTRUCTION SPECIFICATIONS

- SURFACE ROUGHENING SHALL BE PAID INCIDENTAL TO THE CONTRACT.

VERMONT AGENCY OF TRANSPORTATION

PROJECT NAME: BENNINGTON
PROJECT NUMBER: AC NH 019-(K51)

FILE NAME: ...plot files\zd307\det.epsc.ptf PLOT DATE: 2/27/2009
DESIGN SUPERVISOR: VTRANS DRAWN BY: VTRANS
DESIGNED BY: VTRANS CHECKED BY: VTRANS
EP & SC DETAILS ECD-06 SHEET 103 OF 367