



STATE OF VERMONT
 AGENCY OF TRANSPORTATION
 MATERIALS & RESEARCH SECTION
 SUBSURFACE INFORMATION

BORING NUMBER: SB-4
 SHEET 1 of 1
 DATE STARTED: 5/04/10
 DATE COMPLETED: 5/04/10

PROJECT NAME: SOUTH BURLINGTON-COLCHESTER
 SITE NAME: I-89
 STATION: SB EMBANKMENT
 OFFSET:
 VTSPG NAD83: N 722912.48 ft E 1464183.74 ft

PROJECT NUMBER: IM CULV(23)
 SITE NUMBER:
 GROUND ELEVATION: 218.7 ft
 GROUNDWATER DEPTH: NOT TAKEN
 PROJECT PIN NUMBER: 09A046

BORING CREW
 CREW CHIEF: WERNER
 DRILLER: WERNER
 LOGGER: MAHMUTOVIC

BORING RIG: CME 55 TRACK AUTO
 BORING TYPE: HOLLOW STEM AUGER
 SAMPLE TYPE: SPLIT BARREL
 CHECKED BY: CEE

LOG OF BORING SOUTH BURLINGTON-COLCHESTER IM CULV(23).GPI VT AOT.GDT 5/28/10

DEPTH (ft)	SYMBOL	CLASSIFICATION OF MATERIALS (Description)	BLOWS PER FOOT	M.C. (%)	GRAVEL (%)	SAND (%)	FINES (%)	LL (%)	PI (%)
0.0 - 2.0		No sample was taken. Material was excavated., 0.0 ft - 2.0 ft							
5									
8.7		A-4, SaSi, brn, Moist, Rec. = 1.7 ft	14	18.4	4.8	27.8	67.4		
9.8		A-4, SaSi, brn, Moist, Rec. = 1.4 ft	29	18.4	1.3	25.5	73.2		
11.2		A-4, Si, brn-gry, Moist, Rec. = 1.4 ft	20	19.0	0.6	14.5	84.9		
12.6		A-4, Si, gry-brn, Moist, Rec. = 1.1 ft	18	16.0	0.2	9.5	90.3	29	6
14.0		A-4, ClSi, gry-brn, MTW, Rec. = 1.6 ft	17	19.9	1.9	25.3	72.8	30	7
15.6		A-2-4, SiSa, gry, Wet, Rec. = 1.6 ft	11	22.4	2.0	70.9	27.1		
16.2		A-3, Sa, gry, Wet, Rec. = 0.7 ft	6	20.1	11.5	82.0	6.5		
17.4		A-7-6, Cl, gry, Wet, Rec. = 1.2 ft		32.9	0.0	6.0	94.0	48	25
18.6		A-7-6, Cl, gry, Wet, Rec. = 1.7 ft	16	32.4	0.0	4.1	95.9	46	24
25									
28.0		A-7-6, Cl, gry, Wet, Rec. = 2.0 ft	2	53.6	0.0	7.6	92.4	73	45
30.0		Hole stopped @ 30.0 ft							
35		DRILLER'S NOTES: 1. No ledge to depth. 2. Hole was sealed with cement grout to depth. 3. The hammer energy correction factor, c_c for the CME 55 Track Rig used in this investigation is 1.46. The N values provided on the boring logs are raw values and have not been corrected.							