



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

BORING NUMBER: SB-5
 SHEET 1 of 1
 DATE STARTED: 4/29/10
 DATE COMPLETED: 4/29/10

PROJECT NAME: SOUTH BURLINGTON-COLCHESTER
 SITE NAME: I-89
 STATION: NB EMBANKMENT
 OFFSET:
 VTSPG NAD83: N 722741.81 ft E 1464350.67 ft

PROJECT NUMBER: IM CULV(23)
 SITE NUMBER:
 GROUND ELEVATION: 215.1 ft
 GROUNDWATER DEPTH: 14.8 ft 4/29/10
 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

DEPTH (ft)	SYMBOL	CLASSIFICATION OF MATERIALS (Description)	BLOWS PER FOOT	M.C. (%)	GRAVEL (%)	SAND (%)	FINES (%)
		A-4, SaSi, brn, Moist, Rec. = 1.1 ft	2	13.8	1.5	47.5	51.0
5		A-4, SaSi, brn, Moist, Rec. = 1.5 ft	16	12.4	2.2	48.8	49.0
		A-4, SaSi, brn, Moist, Rec. = 1.8 ft	20	19.4	2.1	20.4	77.5
		A-4, SaSi, brn, Moist, Rec. = 1.7 ft	24	13.5	8.4	43.8	47.8
10		A-4, Si, brn, Moist, Rec. = 1.8 ft	22	20.1	0.0	17.9	82.1
		A-4, SaSi, gry, MTW, Rec. = 1.5 ft	34	21.4	0.0	26.3	73.7
15		A-4, SiSa, gry, MTW, Rec. = 1.2 ft	14	21.3	3.0	58.1	38.9
		A-4, SaSi, gry, Wet, Rec. = 2.0 ft	10	25.1	1.4	45.2	53.4
		A-4, SaSi with Trace of Organics (1.7%), gry, Wet, Rec. = 1.2 ft	12	27.7	3.1	43.1	53.8
20		A-4, Si, gry, Wet, Rec. = 2.0 ft	12	28.7	2.1	18.4	79.5
		Hole stopped @ 22.0 ft					
25		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.					

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