



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

BORING NUMBER: SB-7
 SHEET 1 of 1
 DATE STARTED: 1/05/09
 DATE COMPLETED: 1/09/09

PROJECT NAME: WATERBURY
 SITE NAME: PARK-&-RIDE
 STATION: 6+80
 OFFSET: 39.00
 VTSPG: N 672716.86 ft E 1576776.53 ft

PROJECT NUMBER: CMG PARK(11)SC
 SITE NUMBER:
 GROUND ELEVATION: 513.52 ft
 GROUNDWATER DEPTH: 16.2 ft 1/09/09
 PROJECT PIN NUMBER: 99K002

BORING CREW
 CREW CHIEF: GARROW
 DRILLER: GARROW
 LOGGER: MAHMUTOVIC

BORING RIG: LARGE SKID RIG w/AUTO HAMMER
 BORING TYPE: HOLLOW STEM AUGER
 SAMPLE TYPE: TUBE & VANE
 CHECKED BY: CAA

DEPTH (ft)	SYMBOL	CLASSIFICATION OF MATERIALS (Description)	BLOWS PER FOOT	M.C. (%)	GRAVEL (%)	SAND (%)	FINES (%)	LL (%)	PI (%)
		Gry, Moist, Rec. = 1.6 ft, 5.0 ft - 7.0 ft							
10		Vane Shear 925/225 psf, 8.0 ft - 8.5 ft, Pushed vane 7-8.5 ft.							
		A-6, SiCl, gry, Moist, Rec. = 1.9 ft, Triaxial "A&B"		42.7	0.0	0.6	99.4	40	15
		A-4, CISI, gry, Moist, Triaxial "C", Triaxial Results: phi=31.0 degrees, c'= 150 psf.		40.2	0.0	0.2	99.8	36	10
		Gry, MTW, Rec. = 1.6 ft, 15.0 ft - 17.0 ft							
20		Vane Shear 1000/175 psf, 18.0 ft - 18.5 ft, Pushed vane 17-18.5 ft.							
		A-7-6, SiCl, gry, Wet, Rec. = 1.75 ft, Triaxial "A&B"		41.5	0.0	0.5	99.5	42	16
		A-4, CISI, gry, Wet, Triaxial "C", Triaxial Results: phi=29.0 degrees, c'= 0 psf.		39.8	0.0	0.5	99.5	38	10
		Gry, Wet, Rec. = 1.85 ft, 25.0 ft - 27.0 ft							
30		Vane Shear 1050/280 psf, 28.0 ft - 28.5 ft, Pushed vane 27-28.5 ft.							
		Gry, Wet, Rec. = 1.9 ft, 30.0 ft - 32.0 ft							
		Vane Shear 1100/300 psf, 33.0 ft - 33.5 ft, Pushed vane 32-33.5 ft.							
		Gry, Wet, Rec. = 1.5 ft, 35.0 ft - 36.5 ft							
40		Vane Shear 925/200 psf, 38.0 ft - 38.5 ft, Pushed vane 37-38.5 ft.							
		Gry, Wet, Rec. = 1.9 ft, 40.0 ft - 42.0 ft							
		Hole stopped @ 42.0 ft							
50		DRILLER'S NOTES: 1. Vane used was 3x6 inches. 2. Vane Shear = Initial/Remold 3. See Geotechnical Report for further explanation of Triaxial test results. 4. CU tests conducted in accordance with AASHTO T297. 5. Vane shear readings were not corrected for rod friction.							

LOG OF BORING WATERBURY CMG PARK(11)SC.GPJ VT AOT.GDT 2/24/09