



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

BORING NUMBER: B-101
 SHEET 1 of 1
 DATE STARTED: 6/21/07
 DATE COMPLETED: 6/21/07

PROJECT NAME: WATERBURY
 SITE NAME: POLE BASE
 STATION: 12+16
 OFFSET: -36.90
 VTSPG: N 671779.38 ft E 1573580.93 ft

PROJECT NUMBER: NHG SGNL(27)
 SITE NUMBER: VT-100 & I-89 Ramp "G"
 GROUND ELEVATION: 484.1 ft
 GROUNDWATER DEPTH: NWTD
 PROJECT PIN NUMBER: 05B140

BORING CREW
 CREW CHIEF: PORTER
 DRILLER: PORTER
 LOGGER: WERNER

BORING RIG: LAG TRACK RIG w/AUTO HAMMER
 BORING TYPE: HOLLOW STEM AUGER
 SAMPLE TYPE: SPLIT BARREL
 CHECKED BY: CAA

DEPTH (ft)	SYMBOL	CLASSIFICATION OF MATERIALS (Description)	BLOWS PER FOOT	M.C. (%)	GRAVEL (%)	SAND (%)	FINES (%)	LL (%)	PI (%)
5		A-1-a, SaGr, brn, Moist, Rec. = 1.0 ft	18	6.2	51.8	33.4	14.8		
		A-2-4, SiGrSa, brn, Moist, Rec. = 1.75 ft	23	7.7	33.6	45.5	20.9		
		A-1-b, SiGrSa, brn, Moist, Rec. = 0.4 ft	38	7.1	36.1	42.8	21.1		
		A-2-4, SaSiGr, gry, Moist, Rec. = 1.2 ft	75	7.5	37.7	27.5	34.8		
10		Lab Note, Fill Material: Broken thin angular rock particles with sand., brn, Dry, Rec. = 1.3 ft	19	2.4	60.6	25.3	14.1		
		Lab Note, Fill Material: Broken thin angular rock particles with sand., gry, Moist, Rec. = 0.7 ft	24	3.9	59.5	28.1	12.4		
		Lab Note, Fill Material: Broken thin angular rock particles with sand., gry, Moist, Rec. = 1.3 ft	28	3.8	69.2	20.5	10.3		
15		Lab Note, Fill Material: Broken thin angular rock particles with sand., gry, Dry, Rec. = 1.4 ft	23	1.7	63.3	23.6	13.1		
		A-4, Cisi, gry, Moist, Rec. = 0.5 ft	23	26.0	6.3	7.7	86.0	35	8
20		Lab Note, Fill Material: Broken thin angular rock particles with sand., gry, Moist, Rec. = 0.8 ft	5	5.9	51.0	30.7	18.3		
		A-6, GrSiCl with broken thin angular rock particles, gry, Moist, Rec. = 1.0 ft	5	25.9	26.6	6.8	66.6	40	16
25		Lab Note, Fill Material: Broken thin angular rock particles with sand., gry, Moist, Rec. = 1.6 ft	28	11.2	54.2	27.3	18.5		
		A-6, SiCl, gry, Moist, Rec. = 1.25 ft	8	27.4	0.9	7.0	92.1	37	13
Hole stopped @ 32.0 ft									

LOG OF BORING WATERBURY NHG SGNL(27).GPJ VT AOT.GDT 9/20/07



STATE OF VERMONT
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BORING NUMBER: B-102
SHEET 1 of 1
DATE STARTED: 6/25/07
DATE COMPLETED: 6/25/07

PROJECT NAME: WATERBURY
SITE NAME: POLE BASE
STATION: 12+05
OFFSET: 35.90
VTSPG: N 671707.22 ft E 1573595.45 ft

PROJECT NUMBER: NHG SGNL(27)
SITE NUMBER: VT-100 & I-89 Ramp "G"
GROUND ELEVATION: 483.24 ft
GROUNDWATER DEPTH: NWD
PROJECT PIN NUMBER: 05B140

BORING CREW
CREW CHIEF: PORTER
DRILLER: PORTER
LOGGER: WERNER

BORING RIG: LAG TRACK RIG w/AUTO HAMMER
BORING TYPE: HOLLOW STEM AUGER
SAMPLE TYPE: SPLIT BARREL
CHECKED BY: CAA

DEPTH (ft)	SYMBOL	CLASSIFICATION OF MATERIALS (Description)	BLOWS PER FOOT	M.C. (%)	GRAVEL (%)	SAND (%)	FINES (%)	LL (%)	PI (%)
5		A-1-b, GrSa, brn, Moist, Rec. = 1.7 ft	17	5.0	45.8	46.7	7.5		
		A-1-b, GrSa, brn, Moist, Rec. = 1.5 ft	25	4.6	42.1	49.6	8.3		
		No Recovery, Cobbles, Tough augering, 4.0 ft - 6.0 ft	8						
10		A-1-b, SaGr, brn-gry, Moist, Rec. = 0.5 ft	11	4.9	52.0	33.4	14.6		
		A-1-a, SaGr, gry, Moist, Rec. = 0.9 ft	19	5.0	60.3	27.1	12.6		
		A-1-a, SaGr, gry, Moist, Rec. = 0.9 ft	14	5.3	63.5	25.2	11.3		
		Lab Note, Fill Material: Broken thin angular rock particles with sand., gry, Moist, Rec. = 0.4 ft	7	7.9	61.1	24.4	14.5		
		A-4, Cisi, gry, Moist, Rec. = 0.6 ft	14	27.6	8.3	6.1	85.6	35	9
15		A-4, Cisi, gry, Moist, Rec. = 0.4 ft	14	21.5	17.3	7.0	75.7	34	8
		Lab Note, Fill Material: Broken thin angular rock particles with sand., gry, Moist, Rec. = 1.2 ft		4.9	62.6	25.3	12.1		
20		Lab Note, Fill Material: Broken angular rock particles with sand., gry, Moist, Rec. = 0.3 ft	21	3.6	60.3	27.9	11.8		
		Lab Note, Fill Material: Broken angular rock particles with sand., gry, Moist, Rec. = 1.4 ft	36	3.6	63.3	24.1	12.6		
30		A-6, SiCl, gry, Moist, Rec. = 1.5 ft	8	28.6	0.7	8.8	90.5	36	12
		Hole stopped @ 32.0 ft							

LOG OF BORING WATERBURY NHG SGNL(27).GPJ VT AOT.GDT 9/20/07