



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

BORING LOG

FLETCHER
 STP 027-1(22)
 VT-108 SLIDE

Boring No.: B-101
 Page No.: 1 of 1
 Pin No.: 11B064
 Checked By: CCB

Boring Crew: WERNER, WELLS
 Date Started: 6/06/11 Date Finished: 6/22/11
 VTSPG NAD83: N 813990.50 ft E 1555155.90 ft
 Station: MM 2.24 Offset: -48.30
 Ground Elevation: 452.59 ft

Casing: H.S.A. Sampler: SS & TUBE
 I.D.: 3 in 2.5 in
 Hammer Wt: N.A. 140 lb.
 Hammer Fall: N.A. 30 in.
 Hammer/Rod Type: Auto/AWJ
 Rig: CME 45C TRACK CE = 1.34

Groundwater Observations

Date	Depth (ft)	Notes
06/07/11	2.2	Overnight
06/08/11		See Remarks.
06/29/11		Top of Auger

Depth (ft)	Strata (1)	CLASSIFICATION OF MATERIALS (Description)	Well Diagram	Blows/6" (N Value)	Moisture Content %	Gravel %	Sand %	Fines %	LL %	PI %
8	[Diagonal Hatching]	A-6, SiCl, gry, Moist, Rec. = 0.8 ft	[Well Diagram]	WH-WH-1-1	31.5	8.2	8.9	82.9	37	11
		A-6, SiCl, gry, Moist, Rec. = 1.1 ft		(1)	28.5	1.5	15.7	82.8	34	12
10	[Diagonal Hatching]	Shelby Tube, gry, Wet, Rec. = 1.7 ft, 4.0 ft - 6.0 ft		2-2-3-3 (5)						
10	[Diagonal Hatching]	A-6, SiCl, gry, Wet, Rec. = 2.0 ft	[Well Diagram]	1-1-2-1 (3)	39.7	0.3	7.8	91.9	38	16
		A-6, SiCl, gry, Wet, Rec. = 1.6 ft, Material from Triaxial "A" sample.		(WH)	34.1	0.5	2.5	97.5	37	15
		A-6, SiCl, Material from Triaxial "B" sample.			44.6		0.9	98.6	39	16
		A-6, SiCl, gry, Wet, Rec. = 1.7 ft			41.5		2.9	97.1	33	12
		A-4, Si, gry, Wet, Rec. = 1.8 ft, Material from Triaxial A & B		30.2	8.1	91.9	26	3		
		Field Note:, No Sample. Auger filled with silt								
20	[Diagonal Hatching]	A-4, Si, gry, Wet, Rec. = 1.7 ft	[Well Diagram]	2-1-2-1 (3)	32.2		1.9	98.1	26	4
		Field Note:, No Sample. Auger filled with silt								
30	[Diagonal Hatching]	A-4, Si, gry, Wet, Rec. = 2.0 ft	[Well Diagram]	2-2-2-3 (4)	36.1		2.6	97.4	27	6
30	[Diagonal Hatching]	A-4, Si, gry, Wet, Rec. = 1.5 ft	[Well Diagram]	WH-WH-4	30.8	0.1	2.8	97.1	30	7
		A-4, Si, gry, MTW, Rec. = 0.5 ft		WH-5 (WH)	29.6		1.9	98.1		
40	[Diagonal Hatching]	A-4, SiSi, gry, MTW, Rec. = 2.0 ft	[Well Diagram]	3-5-6-5 (11)	32.9		3.1	96.9	30	7
		A-4, Si, gry, Wet, Rec. = 1.8 ft		3-4-5-7 (9)	30.2		2.5	97.5	25	4
40	[Diagonal Hatching]	A-4, SiSi, gry, MTW, Rec. = 1.7 ft	[Well Diagram]	WH-1-5-4 (6)	32.7	0.6	5.1	94.3	30	9
50	[Diagonal Hatching]	A-4, Si, gry, MTW, Rec. = 1.8 ft	[Well Diagram]	WR-1-4-4 (5)	33.0		2.2	97.8		
		A-4, Si, brn, MTW, Rec. = 1.2 ft		3-4-4-4 (8)	29.3		14.8	85.2		
60	[Diagonal Hatching]	A-4, Si, brn, Wet, Rec. = 2.0 ft	[Well Diagram]	2-4-7-8 (11)	33.1		9.9	90.1		
		A-4, SaSi, brn, Wet, Rec. = 1.6 ft		2-4-5-5 (9)	28.2		9.9	90.1		
		Hole stopped @ 59.0 ft NLTD								
Remarks: 1. Installed Inclinator Well to 56.5 ft. 2. Top of well is 2.5 feet above ground level. 3. On 06/08/11 water was coming out of the auger holes that were 2.0 feet above ground surface.										

Notes:
 1. Stratification lines represent approximate boundary between material types. Transition may be gradual.
 2. N Values have not been corrected for hammer energy. CE is the hammer energy correction factor.
 3. Water level readings have been made at times and under conditions stated. Fluctuations of groundwater may occur due to other factors than those present at the time measurements were made.

BORING LOG 2 FLETCHER STP 027-1(22).GPJ VERMONT AOT.GDT 12/20/11