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

BORING LOG

HINESBURG
STP 0199(2)
TH-4 BR-10

Boring No.: B-201
Page No.: 1 of 1
Pin No.: 01J282
Checked By: NSM

Boring Crew: PORTER, GARROW, WERNER
Date Started: 2/16/11 Date Finished: 2/16/11
VTSPG NAD83: N 665747.47 ft E 1480756.31 ft
Station: Offset:
Ground Elevation: 340.19 ft

	Casing	Sampler
Type:	H.S.A.	SS & TUBE
I.D.:	4 in	1.5 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
02/16/11	13.0	Approx. (collapsed)

Depth (ft)	Strata (1)	CLASSIFICATION OF MATERIALS (Description)	Blows/6" (N Value)	Moisture Content %	Gravel %	Sand %	Fines %	LL %	PI %
		A-1-b, GrSa, brn, Moist, Rec. = 0.7 ft	3-4-4-5 (8)	6.2	31.8	55.6	12.6		
5		A-1-b, GrSa, brn, Moist, Rec. = 1.0 ft	3-3-3-3 (6)	4.3	42.5	49.9	7.6		
		A-1-b, GrSa, brn, Moist, Rec. = 0.9 ft	2-3-3-3 (6)	8.2	41.9	48.3	9.8		
		A-6, SiCl, gry-brn, Moist, Rec. = 1.1 ft	1-2-2-4 (4)	27.5	1.0	12.0	87.0	35	12
10		A-6, SiCl, gry-brn, Moist, Rec. = 0.8 ft	3-3-3-3 (6)	24.8	0.8	8.8	90.4	34	14
		A-8, Sample tested: Organic soil (21.5%), blk, Moist, Rec. = 0.5 ft		92.3					
		A-7-6, Cl, gry, Moist, Rec. = 2.0 ft, Material from Triaxial U1-"B"				0.8	99.2	71	41
15		A-7-6, Cl, gry, Wet, Rec. = 2.0 ft	(WH)	61.1		0.5	99.5	67	39
		Field Note:, No sample taken							
		A-7-6, Cl, gry, MTW, Rec. = 1.8 ft, Triaxial U2-"A", Triaxial testing only.							
20		A-4, ClSi, Material from Triaxial U2-"B" silty section.				0.9	99.1	29	9
		A-7-6, Cl, Material from Triaxial U2-"B" clay section.				0.2	99.8	52	28
		A-7-6, Cl, Material from Triaxial U2-"C"	WR-WH (WH)	59.8		0.3	99.7	41	21
		A-7-6, Cl, gry, MTW, Rec. = 2.0 ft				0.3	99.7	51	28
		A-7-6, Cl, gry, MTW, Rec. = 2.0 ft	(WH)	75.4		0.4	99.6	64	37
25		Hole stopped @ 25.0 ft							

Remarks:
Triaxial sample U2-"B" had noticable different layers of silt and clay. Two of these layers were removed and tested independently of each other.

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 HINESBURG STP 0199(2).GPJ VERMONT AOT.GDT 3/3/11