STATE OF VERMONT
AGENCY OF TRANSPORTATION
CONSTRUCTION AND
MATERIALS BUREAU
CENTRAL LABORATORY

BORING LOG

WILLISTON
CMG PARK(29)
VT-2A PARK & RIDE

Boring No.: **B-102**
Page No.: 1 of 1
Pin No.: 05K166
Checked By: MLM

Boring Crew: JUDKINS, HOOK, NIETO
Date Started: 8/05/15 Date Finished: 8/07/15
VTSPG NAD83: N 707280.53 ft E 1479036.18 ft
Station: 41+65 Offset: -0.60
Ground Elevation: 448.24 ft

	Casing	Sampler
Type:	H.S.A.	SS
I.D.:	3.25 in	1.5 in
Hammer Wt:	N.A.	140 lb.
Hammer Fall:	N.A.	30 in.
Hammer/Rod Type:	Auto/AWJ	
Rig: CME 55 TRACK		C_e = 1.46

Groundwater Observations

Date	Depth (ft)	Notes
08/05/15	9.0	End of day.
08/06/15	8.7	Before drilling.
08/07/15	6.0	Inside Casing.

Depth (ft)	Strata (1)	CLASSIFICATION OF MATERIALS (Description)	Blows/6" (N Value)	Moisture Content %	Gravel %	Sand %	Fines %
		A-4, SiSa, brn, Moist, Rec. = 1.0 ft, Lab Note: Wood & roots were within sample.	1-1-2-1 (3)	27.0	10.8	52.8	36.4
		A-4, SaSi, brn, Moist, Rec. = 1.3 ft	4-4-5-6 (9)	15.2	3.5	41.3	55.2
5		A-4, SaSi, brn, Moist, Rec. = 1.6 ft, Lab Note: A small layer of clay was noticeable. Sample tested (NP).	9-21-48-R@2.5" (69)	13.9	11.2	38.5	50.3
		A-4, SaSi, brn, Moist, Rec. = 0.7 ft	31-R@5.0" (R)	8.0	11.6	36.3	52.1
		A-4, GrSaSi, brn, Moist, Rec. = 0.9 ft	30-R@5.0" (R)	7.6	20.9	30.0	49.1
10		A-2-4, SaSiGr, brn, Dry, Rec. = 0.6 ft, Lab Note: Broken Rock was within sample.	37-R@1.0" (R)	5.7	41.7	27.5	30.8
		A-4, SaSi, brn, Moist, Rec. = 1.2 ft	33-48-R@2.5" (R)	8.1	15.0	37.1	47.9
15		A-2-4, SiSaGr, brn, Moist, Rec. = 1.3 ft, Lab Note: Broken Rock was within sample.	12-40-40-R@1.0" (80)	6.2	38.7	32.6	28.7
20		A-2-4, SiGrSa, brn, Moist, Rec. = 1.2 ft, Lab Note: Broken Rock was within sample.	16-49-R@3.5" (R)	6.4	34.2	40.7	25.1
25		A-4, GrSaSi, brn, Moist, Rec. = 1.2 ft, Lab Note: Broken Rock was within sample.	28-48-R@3.5" (R)	6.9	26.8	31.8	41.4
		Hole stopped @ 26.3 ft					
30		Remarks: Hole collapsed at 10.4 ft.					

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