



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-101**

Page No.: 1 of 1

Pin No.: 05K166

Checked By: MLM

Boring Crew: JUDKINS, HOOK, NIETO

Date Started: 8/03/15 Date Finished: 8/05/15

VTSPG NAD83: N 707286.82 ft E 1478986.59 ft

Station: 41+15 Offset: -0.80

Ground Elevation: 449.43 ft

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_r = 1.46

Groundwater Observations		
Date	Depth (ft)	Notes
08/04/15	9.0	Before drilling.
08/04/15	24.9	End of day.
08/05/15	13.0	In casing over night.

Depth (ft)	Strata (1)	CLASSIFICATION OF MATERIALS (Description)	Blows/6" (N Value)	Moisture Content %	Gravel %	Sand %	Fines %	LL %	PI %
		A-2-4, SiSa, Dk/brn, Moist, Rec. = 0.8 ft, Lab Note: Topsoil with sticks & roots.	WH-1-3-7 (4)	24.6	12.8	51.9	35.3		
		A-4, SaSi, brn, Moist, Rec. = 1.7 ft	5-5-4-5 (9)	14.5	19.4	38.4	42.2		
5		A-4, GrSaSi, brn, Moist, Rec. = 1.8 ft, Lab Note: Broken Rock was within sample.	4-12-28-45 (40)	9.5	24.8	32.0	43.2		
		A-4, SaSi, gry, Dry, Rec. = 0.4 ft, Lab Note: Broken Rock was within sample.	R@5.0" (R)	7.5	13.3	32.5	54.2		
		A-4, SaSi, brn, Dry, Rec. = 0.9 ft, Lab Note: Broken Rock was within sample.	50-R@5.0" (R)	8.2	17.1	25.0	57.9		
10		A-4, SaGrSi, brn, Dry, Rec. = 0.4 ft, Lab Note: Broken Rock was within sample.	R@5.0" (R)	5.6	33.7	27.6	38.7		
		A-4, GrSaSi, gry, Moist, Rec. = 0.7 ft, Lab Note: Broken Rock was within sample.	49-R@2.5" (R)	5.9	24.5	30.5	45.0		
15		A-4, GrSaSi, gry, Moist, Rec. = 1.3 ft, Lab Note: Broken Rock was within sample.	19-40-R@3.5" (R)	6.7	21.0	30.7	48.3		
20		A-4, GrSaSi, gry, Moist, Rec. = 1.9 ft, Lab Note: Broken Rock was within sample.	17-30-34-R@4.5" (64)	6.6	21.6	31.0	47.4		
25		A-4, CISi, gry, Moist, Rec. = 2.0 ft	7-17-11-11 (28)	14.3	2.6	15.7	81.7	22	8
		Hole stopped @ 27.0 ft							
30		Remarks: Hole collapsed at 10.0 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_r 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.

BORING LOG 2 WILLISTON CMG PARK(29), GPU VERMONT AOT.GDT 8/25/15