



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-109**

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Pin No.: 05K166

Checked By: MLM

Boring Crew: HOOK, JUDKINS, HULBERT  
 Date Started: 8/07/15 Date Finished: 8/10/15  
 VTSPG NAD83: N 706897.48 ft E 1479382.22 ft  
 Station: 7+23 Offset: -0.70  
 Ground Elevation: 469.75 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 = 1.46

Groundwater Observations

Date	Depth (ft)	Notes
08/07/15		No water observed.
08/10/15	16.8	Before drilling.

Depth (ft)	Strata (1)	CLASSIFICATION OF MATERIALS (Description)	Blows/6" (N Value)	Moisture Content %	Gravel %	Sand %	Fines %
		A-4, SaSi, brn, Moist, Rec. = 1.4 ft, Lab Note: Sticks and Roots were within sample.	WH-1-1-3 (2)	21.6	6.4	38.0	55.6
5		A-4, GrSaSi, brn, Moist, Rec. = 2.0 ft, Lab Note: Broken Rock was within sample.	11-13-25-36 (38)	7.3	27.1	34.3	38.6
10		A-4, SaSi, gry, Moist, Rec. = 1.3 ft, Lab Note: Broken Rock was within sample.	20-40-R@4.5" (R)	7.5	12.6	30.9	56.5
15		A-4, GrSaSi, gry, Moist, Rec. = 1.2 ft, Lab Note: Broken Rock was within sample.	34-49-R@2.5" (R)	6.3	24.9	27.3	47.8
20		A-4, SaSi, gry, Moist, Rec. = 0.2 ft	31-R@0" (R)	7.8	12.7	30.4	56.9
25		A-4, SaSi, gry, Moist, Rec. = 1.6 ft, Lab Note: A thin layer of Clay was noticeable. Sample tested (NP). Broken Rock was within sample.	14-36-34-R@1" (70)	7.8	15.7	25.9	58.4
30		A-4, GrSaSi, gry, MTW, Rec. = 1.3 ft, Lab Note: A thin layer of Clay was noticeable. Sample tested (NP).	20-35-40-R@3.5" (75)	8.4	23.7	28.4	47.9
Hole stopped @ 29.8 ft							
Remarks: Hole Collapsed at 7.0 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. 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)\_GPI VERMONT AOT.GDT 9/29/15