



GZA  
GeoEnvironmental, Inc.  
Engineers and Scientists

Cornwall BRS 0172(6)S

Cornwall, Vermont

Boring No.: B-204(OW)

Page: 1 of 1

File No.: 22721.3

Check: TAD

Contractor: NH Boring  
Foreman: Bob Doherty  
Logged by: Jay Hodgkinson  
Date Start/Finish: 9-24-01 / 9-25-01  
Boring Location: See Note 1  
GS Elev.: \_\_\_\_\_ Datum: NAVD 88

Auger/  
Casing  
Type: HW  
I.D.: 102mm  
Hammer Wt.: 136.1kg  
Hammer Fall: 0.76m  
Rig Type: CME 45

Sampler  
SS  
35mm  
63.5kg  
0.76m

GROUNDWATER READINGS

Date	Time	Depth	Casing	Stab
9/25/01	1300	0.00m	PVC	1 hour

Depth (m)	Sample Information					Sample Description & Classification	Stratum Desc.	Remarks	Equipment Installed
	No.	Pen./Rec. (m)	Depth (m)	Blows (/0.15m)	N Value				
1									
1.52-2.13	S-1	0.61/0.56	1.52-2.13	3-4 4-3	8	Stiff, brown, Silty CLAY. (A-7-6)			
3.05-3.66	S-2	0.61/0.10	3.05-3.66	3-3 3-2	6	Medium stiff, brown, CLAY & SILT. (A-6)	SILTY CLAY		
3.66-4.27	U-1	0.61/0.61	3.66-4.27	push		Brown, CLAY & SILT. (A-6) Tv=44.0 kPa (920 psf); Pp=119.7 kPa (2,500 psf)			
4.57-5.18	S-3	0.61/0.38	4.57-5.18	push		VS: 58.5 kPa, vane tip at 5.03m (16.5 feet). Gray-brown, Silty CLAY. (A-7-6)			
5.49-6.10	U-2	0.61/0.61	5.49-6.10	push		Gray-brown, Silty CLAY. (A-7-6) Tv=20.1 kPa (420 psf); Pp=71.8 kPa (1,500 psf)			
7.62-8.23	S-4	0.61/0.61	7.62-8.23	1-1 1-1	2	Soft, gray, Clayey SILT. (A-5)	7.01m CLAYEY SILT		
9.14-9.75	S-5	0.61/0.51	9.14-9.75	6-7 8-11	15	Very stiff, gray, Clayey SILT, trace fine Sand. (A-5)			
9.75m						Bottom of boring at 9.75m (32 feet) below ground surface. No refusal.	9.75m		

SOIL BL WELL CORNWALL2002.GPJ GZA\_NH.GDT 9/6/02

1. Test boring is located approximately 19.51m (64 feet) (north toward the Lemon Fair River) from Inc. #1.
2. Tv=Torvane, Pp= Pocket Pentrometer
3. VS=vane shear test; split spoon sample was driven through soil disturbed by VS test.
4. Change in wash color noted at 7.01m (23 feet) below ground surface.

Stratification lines represent approximate boundary between soil types, transitions may be gradual. 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.

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