GZA GeoEnvironmental, Inc. *Engineers and Scientists*

Cornwall BRS 0172(6)
Cornwall, Vermont

Boring No.: B-304
Page: 2 of 4
File No.: 04.0023600.01
Check: JLH

Depth (m)	Sample Information: No.	Pen./ Rec. (m)	Depth (m)	Blows (/0.15m)	N Value	Sample Description & Classification	Stratum Desc.	Remarks	Equipment Installed
		0.00	10.36						
	U-4 S-7	0.61/ 0.00 0.61/ 0.10	10.67- 11.28 10.70- 11.31	PUSH WOR 2-3		No recovery. Very loose, gray, fine SAND and Silt. (A-4)		2	
	S-8	0.61/ 0.20	12.19- 12.80	5-5 5-4	10	Loose, gray, SILT and fine SAND, trace Gravel. (A-4)			
	S-9	0.61/ 0.18	13.72- 14.33	12-10 8-4	18	Medium dense, gray, fine SAND and Silt. (A-4)	SILT & SAND		
15	S-10	0.61/ 0.00	15.24- 15.85	3-5 5-5	10	No recovery.			
	S-11	0.61/ 0.61	16.76- 17.37	8-8 9-9	17	Medium, gray, fine SAND, some Silt with a seam of fine to coarse Sand, trace Silt. (A-2-4)			
	S-12A/B	0.61/ 0.61	18.29- 18.90	WOR-6 36-33	42	Top 0.30 m: Very stiff, gray, SILT & CLAY, trace fine to coarse Sand, trace Gravel. (A-4) Bottom 0.30 m: Dense, gray, fine to coarse SAND, trace Gravel, trace Silt. (A-1-a)	18.59m		
20	S-13	0.61/ 0.20	19.81- 20.42	8-8 5-9	13	Medium dense, gray, fine to coarse SAND and Gravel, trace Silt. (A-1-a)	SAND WITH GRAVEL		
	S-14	0.61/	21.34-	5-10	21	Medium dense, gray, fine to coarse SAND and			

REMARKS

2. Sample S-7 was taken from soil disturbed by U-4.

All depth measurements are approximate. 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.

Boring No.: B-304

SOIL BL WELL LOGS.GPJ GZA_MH.GDT 3/20/07

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Depth (m)	Sample Information: No.	Pen./ Rec. (m)	Depth (m)	Blows (/0.15m)	N Value	Sample Description & Classification	Stratum Desc.	Remarks	Equipment Installed
		0.18	21.95	11-12		Gravel, trace Silt. (A-1-a)			
	S-15	0.61/ 0.61	22.86- 23.47	16-11 22-31	33	Dense, gray, fine to coarse SAND, little Gravel, trace Silt, slight plasticity. (A-1-a)	SAND WITH GRAVEL		
25	S-16	0.66/ 0.41	24.38- 25.04	38-23 19-17	42	Dense, gray, fine to coarse SAND, trace Gravel, trace Silt. (A-1-a)	25.60m	3	
								4	
	S-17	0.61/ 0.23	27.43- 28.04	20-25 20-15	45	Dense, gray, fine SAND and Silt, trace Gravel. (A-4)		5	
	S-18	0.61/ 0.51	28.96- 29.57	12-12 24-26	36	Dense, gray, fine SAND and Silt. (A-4)	SAND		
30	S-19	0.30/ 0.20	30.48- 30.78	107-92 100/0 mm	92 100/0 mm	Very dense, gray, fine SAND, some Silt, trace Gravel. (A-2-4)			
	S-20	0.46/ 0.36	32.00- 32.46	77-81 101-100/0 mm	182	Very dense, gray, fine SAND and Silt. (A-4)			

REMARKS

3. Did not sample due to bent rods.
4. Change in wash cuttings.
5. Blow counts are artificially high because drill rods were pressing against the casing at approximately 24.4 meters.

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	S-21	0.15/ 0.05	33.53- 33.68	189-100/0 mm	100/0 mm	Very dense, gray, fine SAND, some Silt, trace Gravel. (A-2-4)			
35	S-22	0.36/ 0.20	35.05- 35.41	19-136 100/51 mm	136 100/51 mm	Very dense, gray, fine to coarse SAND, little Silt, trace Gravel. (A-1-a)			
	S-23	0.18/ 0.05	36.58- 36.75	93-100/26 mm	100/26 mm	Very dense, gray, fine to coarse SAND, little Silt, trace Gravel. (A-1-a)	SAND		
	S-24	0.23/ 0.00	38.10- 38.33	138 136		No recovery.			
40						Bottom of boring at 40.2 meters. No refusal.	40.23m	6	

REMARKS

6. Sample could not be obtained due to blow-in Sand.

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Boring No.: B-304

SOIL BL WELL LOGS.GPJ GZA_MH.GDT 3/20/07

DATUM
VERTICAL NAVD 88
HORIZONTAL NAD 83(92)

BORING LOG SHEET 13

PROJECT:	PROJECT NO.:
CORNWALL	BRS 0172(6)
DESIGN FILE NAME: z85e042borlogs.dgn	
IPARM FILE NAME:	PLOT DATE: 2/5/2010
SURVEYED BY:	SURVEY DATE:
SQUAD LEADER: C.C. BENDA	DRAWN BY: C. GEORGE
03/97	SHEET: 81 OF 144