GZA GeoEnvironmental, Inc. *Engineers and Scientists*

Stockbridge BRF 022-1(20) SC
Stockbridge, Vermont

Boring No.: B-2A
Page: 1 of 1
File No.: 22721.4
Check: DGL/JLH

Contractor: New Hampshire Boring
Foreman: S. Garside
Logged by: Seth Currier
Date Start/Finish: 2-26-02 / 2-26-02
Boring Location: 10+102, 12m L
GS Elev.: 213.90m Datum: NAVD

	Auger/ Casing	Sampler
Type:	HW	SS
I.D.:	102 mm	35 mm
Hammer Wt.:	136.1 kg	63.5 kg
Hammer Fall:	0.61 m	0.76 m
Rig Type:	CME 550 ATV	

GROUNDWATER READINGS

Date	Time	Depth	Casing	Stab
Not Encountered				

Depth (m)	Sample Info: No.	Pen./ Rec. (m)	Depth (m)	Blows (/0.15m)	N Value	Sample Description & Classification	Stratum Desc.	Remarks	Equipment Installed
						Refer to Boring B-2 for soil descriptions from 0 to 0.46 meters (0 to 1.5 feet) below ground surface.			No Equipment Installed
	S-1	0.61/ 0.30	1.52- 2.13	10-18 18-22	36	Dense, brown, fine to medium SAND, some Silt, little Gravel. (A-2-4)	SILTY SAND		
	S-2	0.38/ 0.18	2.74- 3.12	9-30 50/76mm	>100	Very dense, gray-brown, fine to medium SAND, some Gravel, some Silt. (A-2-4)	2.74m GLACIAL TILL		
5						Bottom of boring at 3.66m meters (12 feet) below ground surface. Roller bit refusal on probable bedrock or boulder.	3.66m	1	

REMARKS
1. Auger refusal at 2.74 meters (9 feet) below ground surface. Switched over to drive and wash technique using roller bit and HW casing.

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-2A

SOIL BL WELL BRF022(SH) GZA_MI.GDT 1/12/04

GZA GeoEnvironmental, Inc. *Engineers and Scientists*

Stockbridge BRF 022-1(20) SC
Stockbridge, Vermont

Boring No.: B-3
Page: 1 of 1
File No.: 22721.4
Check: DGL/JLH

Contractor: New Hampshire Boring
Foreman: S. Garside
Logged by: Seth Currier
Date Start/Finish: 2-20-02 / 2-20-02
Boring Location: 10+120, 6m R
GS Elev.: 217.50m Datum: NAVD

	Auger/ Casing	Sampler
Type:	HSA	SS
I.D.:	57 mm	35 mm
Hammer Wt.:		63.5 kg
Hammer Fall:		0.76 m
Rig Type:	CME 550 ATV	

GROUNDWATER READINGS

Date	Time	Depth	Casing	Stab
Not Encountered				

Depth (m)	Sample Info: No.	Pen./ Rec. (m)	Depth (m)	Blows (/0.15m)	N Value	Sample Description & Classification	Stratum Desc.	Remarks	Equipment Installed
						Asphalt	ASPHALT 0.30m		No Equipment Installed
	S-1	0.61/ 0.43	0.30- 0.91	22-25 52-51	77	Very dense, brown, fine to medium SAND, some Gravel, little Silt. (A-2-4)			
	S-2	0.61/ 0.23	1.22- 1.83	17-11 11-8	22	Medium dense, brown, fine to medium SAND and Silt, trace Gravel. (A-4)	FILL		
	S-3	0.61/ 0.00	2.74- 3.35	2-2 3-6	5	No recovery.			
	S-4A/B	0.61/ 0.28	4.27- 4.88	7-5 10-30	15	S-4A: Medium dense, dark brown, fine SAND, little Silt, trace Organics. (A-2-5) S-4B: Medium dense, gray, Rock fragment.	4.27m SAND 4.42m GLACIAL TILL	1	
5						Bottom of boring at 5.27 meters (17.3 feet) below ground surface. Auger refusal on probable boulder or bedrock.	5.27m		

REMARKS
1. Sample S-4A was tested for organic content.

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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-3

SOIL BL WELL BRF022(SH) GZA_MI.GDT 1/12/04

GZA GeoEnvironmental, Inc. *Engineers and Scientists*

Stockbridge BRF 022-1(20) SC
Stockbridge, Vermont

Boring No.: B-4(OW)
Page: 1 of 2
File No.: 22721.4
Check: DGL/JLH

Contractor: New Hampshire Boring
Foreman: S. Garside
Logged by: Seth Currier
Date Start/Finish: 2-27-02 / 2-27-02
Boring Location: 10+120, 8m L
GS Elev.: 213.30m Datum: NAVD

	Auger/ Casing	Sampler
Type:	HW	SS
I.D.:	102 mm	35 mm
Hammer Wt.:	136.1 kg	63.5 kg
Hammer Fall:	0.61 m	0.76 m
Rig Type:	CME 550 ATV	

GROUNDWATER READINGS

Date	Time	Depth	Casing	Stab
2/27/02	0930	3.28m	PVC	18 hrs.
3/01/02	1300	3.27m	PVC	33.5 hrs.
3/05/02	1130	3.24m	PVC	94.5 hrs.
6/6/03		3.72m	PVC	484 days

Depth (m)	Sample Info: No.	Pen./ Rec. (m)	Depth (m)	Blows (/0.15m)	N Value	Sample Description & Classification	Stratum Desc.	Remarks	Equipment Installed
	S-1	0.61/ 0.23	0.00- 0.61	WOH-WOH 1-1		Very loose, dark brown, SILT, little fine Sand, trace Gravel, trace Organics and root fibers. (A-4)	TOPSOIL 0.61m	1 2	Protective Standpipe; Filter Sand; 0.61m; Bentonite Seal; 0.92m; 51mm ID Solid Sch 40 PVC Well Riser; Drill Cuttings; 2.13m; 51mm ID Slotted Sch 40 PVC Well Screen (0.3mm Slot); Filter Sand
	S-2	0.61/ 0.23	1.22- 1.83	40-36 14-15	50	Very dense, gray-brown, fine to coarse SAND, some Gravel, little Silt. (A-2-4)	GLACIAL TILL 2.90m		
5						Top of rock at 2.90 meters (9.5 feet). Refer to Core Boring Report pg 2.			

REMARKS
1. WOH = weight of hammer
2. Groundwater observation well installed in completed borehole. PVC stickup 0.83 meters (2.71 feet) above ground surface.

All depth measurements are approximate. Stratification lines represent approximate boundary between soil types, transitions may be gradual.
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Boring No.: B-4(OW)

SOIL BL WELL BRF022(SH) GZA_MI.GDT 1/12/04

PROJECT: STOCKBRIDGE	PROJECT NO.: BRF 022-1(20)
DESIGN FILE NAME: 85e039/structures/s85e039bor.dgn	
IPARM FILE NAME: de039bor1.i	PLOT DATE: 08-APR-2010
DESIGNED BY: JUSTIN WHITE	DRAWN BY: JUSTIN WHITE
SQUAD LEADER: C.P. WILLIAMS	CHECKED BY: R.S. YOUNG
BORING LOGS	SHEET: 44 OF 139