GEODESIGN INCORPORATED

VAOT

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1233 Shelburne Rd., Suite E-1
So. Burlington, VT 05403
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BORING LOG

Project Name

Chester Bridge BRF016-1(25)

Chester, VT

Boring No.: B-2
Page No.: 1 of 2
File No.: 750-05.2
Checked By: JAG

Boring Company:	SJB Services Inc.				
Foreman:	Steve Wolkiewicz				
GeoDesign Rep.:	Jacob Wimett				
Date Started:	April 27, 2007	Date Finished:	April 30, 2007		
N. Coordinate:	276104.86	E. Coordinate:	1592718.9956		
Ground Surface Elevation (feet):	940				
Station:	13+86	Offset:	8 ft LT		

	Casing:	Sampler:	Groundwater Observations			
			Date	Depth (ft)	Elev. (ft)	Notes
Type:	H.S.A.	SS				
I.D.:	4.25 in.	1.38 in.				
Hammer Wt.:	NA	140 lbs	▼ 4/27/07	15.0	925.0	Refer to HTE Log
Hammer Fall:	NA	30 in.	▼ 4/27/07	20.2	919.8	for Groundwater
Rig Type:	CME 550X ATV		▼			Information.
Hammer Type:	Automatic		▼			

Depth (ft)	Casing Blows/ft	Sample Info: Number	Type	Penetration (inches)	Recovery (inches)	Depth (ft)	Blows / 6 inch Interval: 0 - 6	6 - 12	12 - 18	18 - 24	Coring Time (min./ft)	Moisture Content (%)	Strata Description: Depth & Elevation(feet)	Symbol	Sample Description: Classification System: Burmister
													0.7 Asphalt		
		S1	SS	24	14	1	12	11	13	10			Base Course 939.		S1) Medium dense, brown, fine to coarse SAND and fine to coarse GRAVEL, trace Silt, dry.
		S2	SS	24	1	3	10	15	15	13			3.5 Fill 936.		S2) Dense, piece of fractured coarse GRAVEL stuck in spoon tip.
5		S3	SS	24	11	5	18	15	10	5					S3) Medium dense, brown, fine to coarse SAND, some fine to coarse Gravel, trace Silt, dry.
		S4	SS	24	3	7	3	5	8	4			7 Sand & gravel 933.		S4) Medium dense, brown, fine to coarse SAND, little Silt, trace fine Gravel, moist.
10		S5	SS	24	12	10	20	22	25	25					S5) Dense, fine to coarse SAND and fine to coarse GRAVEL (fractured), trace Silt.
15		S6	SS	24	18	15	16	22	25	34			15 Silty Sand 925.		S6) Dense, gray, fine to medium SAND, and SILT, little (–) fine Gravel, (decomposed Rock), wet.
20		S7	SS	24	19	20	24	33	36	45					S7) Very dense, similar to S6.
25		S8	SS			25	WOH	43	34	43			27 Glacial Till 913.		S8) Very dense, gray, fine to coarse SAND, some decomposed Rock, little Silt, wet.
30															

Remarks

1) Ground surface elevation estimated by GeoDesign. Boring coordinates derived from electronic site plans issued by VTrans.
2) Augered through 9 inches of asphalt prior to sampling S1.
3) Augers grinding and chatter from 2 feet to 3.5 feet deep.
4) Driller accidentally dropped rod with spoon while lowering into hole at S8, sunk in 6 inches.
5) Torque test on S8 sampler. Applied 85 ft-lbs but couldn't move it more.
6) Increased auger resistance with frequent chatter and grinding beginning at 27' deep.

Notes:
1) Stratification Lines Represent Approximate Boundary Between Material Types, Transitions May Be Gradual.
2) 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. A.C. = After coring; N.R. = Not Recorded.
3) Sample Type Coding: A=Auger; C=Core; D=Driven; G=Grab; PS=Piston Sampler; SS=Split Barrel (Split Spoon); ST=Shelby Tube; V=Vane; WOR/H=Weight of Rod/Hammer
4) Proportions Used: Trace = 1-10%; Little = 10-20%; Some = 20-35%; And = 35-50%

Boring No.: B-2

CAMP DUDLEY 750-5.2.GPJ GEODESIGN STANDARD.GDT 2/14/08

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		S9	SS	24	18	30	40	76	79	68			Glacial Till (Continued)		S9) Very dense, gray/ olive, fine to coarse SAND and SILT, little (+) oxidized micaceous decomposed Rock, wet.
35		S10	SS	15	15	35	53	93	54/3"						S10) Refusal, gray to brown, fine to coarse SAND and SILT, little fine Gravel, little decomposed oxidized Rock, wet.
40		S11	SS	24	21	40	12	27	37	50					S11) Very dense/ hard, brown with gray/ orange and black, fine to coarse SAND and SILT and CLAY, little fine Gravel, trace decomposed Rock, wet.
45		S12	SS	16	12	45	6	65	100/4"						S12) Refusal, orange brown, fine to coarse SAND, some Silt, little decomposed Rock, wet.
50		S13	SS	8	8	50	98	50/2"					50 890. Bottom of Exploration at 50.7 ft		S13) Refusal, white with orange and brown, decomposed ROCK, little fine to coarse Sand, little Silt, wet.
55															
60															

Remarks

7) Very hard auger grinding and rig chatter on inferred boulder from 48' to 49.5' deep.

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Boring No.: B-2

PROJECT: CHESTER	PROJECT NO.: BRF 016-1(25)
DESIGN FILE NAME: 88b194\Structures\s88b194bor.dgn	
IPARM FILE NAME: s88b194borlog2.i	PLOT DATE: 16-MAR-2011
DESIGNED BY:	DRAWN BY: GEODESIGN, INC.
SQUAD LEADER: C.P.WILLIAMS	CHECKED BY:
BORING LOGS - SHEET 2	SHEET: 16 OF 50