



Project: Wells G & H Remedial Investigation
 TDD No.: FI-8409-01
 Sheet: of 3
 Hole No.: S81

Location: Across Olympia Ave from Unifirst (in the wood near swamp)
 Angle from Horiz. Vertical

Begun: 8 FEB 85
 Completed: []
 Driller: NEBC
 Drill Make & Model: Mobile B-47
 Hole Dia.: 3.5"
 Overburden (ft): 62
 Rock (ft): 20
 Total Depth: 82

Core Recovery (ft): 20'
 Core Bxs: 2
 Samples: []
 El. Top of Casing: []
 Ground El.: S81D-54.10, S81S-54.68, S81M-55.43
 Depth to Top of Rock: 62

Sample Hammer Weight/Fall: 140 lbs/30"
 Casing Solid Screen: Sch 80 PVC 1.5" I.D. 0.010 slot
 NUS Inspector: Ross

Depth	Sample No.	ROCK		SOIL			Well Construction	Stratum Description	Notes
		Core/Rec (in)	RQD	Pen/Rec (in)	Depth Interval (ft)	Blows/6"			
5	01			24/19	0-2	1/2/3/2	54	Interbedded F/M SAND and Sandy Peat	
	02			24/16	5-7	4/4/3/3			
10							44	F/M SAND, SO PEAT S81S Top of Ottawa sand 8' S81S Top of screen 10'	1
	03			24/20	10-12	7/10/12/13			
15							39	It BN C SAND and F/M Gravel, SO M SAND	
	04			24/12	15-17	14/11/14/15			
20								It BN F M SAND, SO C Sand TR Gravel	
	05			6/6	20	120 R			
25								S81S Bottom of screen 20' BN-GR F/C SAND and F/M Gravel, TR silt, TR Clay Nested boulders and cobbles	
	06			6/6	25	142 R			
30								It BN M SAND, SO Gravel, TR C Sand	
	07			7/7	30	150 R			
								It BN F/M SAND, SO Gravel	
								S81M Top of Ottawa Sand 34'	

GRANULAR SOILS PROPORTIONS ABBREVIATIONS

Blows/Ft	Density	USED		
0-4	V. Loose	Trace (TR)	0-10%	F-Fine
4-10	Loose	Little (LI)	10-20%	M-Medium
10-30	M. Dense	Some (SO)	20-35%	C-Coarse
30-50	Dense	And	35-50%	F/M-Fine to Medium
>50	V. Dense			F/C-Fine to Coarse
				V-Very
				GR-Gray
				BN-Brown
				YEL-Yellow

1. S81S sealed in overburden with bentonite pellets from 8' to GS.



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Logs No.
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Location
Across Olympia Ave from Unifirst

Depth	ROCK			SOIL			Well Construction	Stratum Description	Notes	
	Sample No.	Core/Rec (in)	RQD	Pen/Rec (in)	Depth Interval (ft)	Blows/6"				
40								Roller bitted through boulders and cobbles 30-40' S81M Top of screen 35'	2	
45										
50	08			11/10	50-52	45/130 R			S81M Bottom of screen 50' GR-Green clayey SILT, LT F/C SAND, TR M Gravel - <u>TILL</u>	
55	09			6/6	55-57	110				
60	10			5/5	60-62	120			Highly fractured Dedham granodiorite - 62'	
65	60/60									
									S81D Top of Ottawa sand 65'	3
									S81D Top of screen 67'	
									-14	

REMARKS:

2. S81M sealed in overburden with cement/bentonite slurry from 34' to GS.
3. S81D sealed in overburden with cement/bentonite slurry from 65' to GS.



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Hole No.
S81

Location
Across Olympia Ave from Unifirst

Depth	ROCK			SML			Well Construction	Stratum Description	Notes
	Sample No.	Core/Rec (in)	R/D	Pen/Rec (s)	Depth Interval (ft)	Blows/6"			
70								Salem Gabbrodiorite w/granodioritic inclusions throughout	
	60/60								
75								Salem Gabbrodiorite lessening in granitic content w/depth	
	60/60								
80								S81D Bottom of screen 82' EOB - 82.5'	
85									

REMARKS: