

# McPHAIL ASSOCIATES, LLC

## SUBSURFACE EXPLORATION PLAN

106 HALE STREET - BRIDGEWATER  
STATE UNIVERSITY

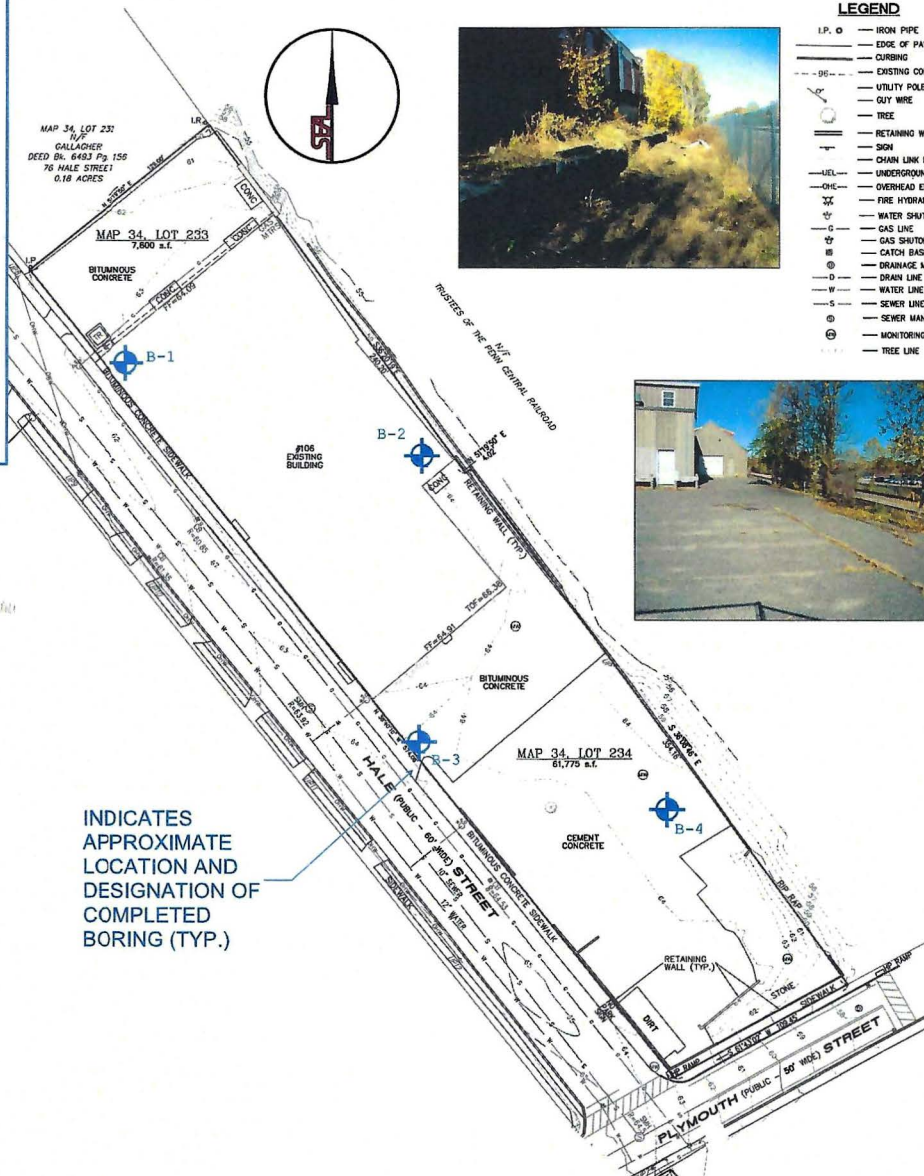
BRIDGEWATER, MA

JOB NO: 7498

JULY 23, 2022



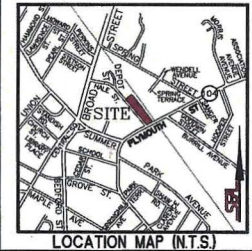
TOP OF HYDRANT SPINDLE  
ELEV. 64.79 (NOV 1929)



INDICATES  
APPROXIMATE  
LOCATION AND  
DESIGNATION OF  
COMPLETED  
BORING (TYP.)

### LEGEND

- I.P. ○ — IRON PIPE
- — — EDGE OF PAVEMENT
- — — CURBING
- — — EXISTING CONTOUR
- — — UTILITY POLE
- — — CUT WIRE
- — — TREE
- — — RETAINING WALL
- — — SIGN
- — — CHAIN LINK FENCE
- — — UNDERGROUND ELECTRIC
- — — OVERHEAD ELECTRIC
- — — FIRE HYDRANT
- — — WATER SHUTOFF
- — — GAS LINE
- — — GAS SHUTOFF
- — — CATCH BASIN
- — — DRAINAGE MANHOLE
- — — DRAIN LINE
- — — WATER LINE
- — — SEWER LINE
- — — SEWER MANHOLE
- — — MONITORING WELL
- — — TREE LINE



LAWRENCE P. SILVA, P.E. REG NO. 33381-C  
DATE 11/5/2014

REVISIONS		
DATE	DRAWN	DESCRIPTION

### PARCEL DATA:

ASSESSOR'S REFERENCE: MAP 34, LOT 233 & 234  
CURRENT OWNER: HALE STREET PROPERTIES INC.  
PO BOX 111, BRIDGEWATER, MA  
DEED REFERENCE: BOOK 13196, PAGE 147  
TOTAL AREA: 69,575 S.F. or 1.59 Acres

### PLAN REFERENCES:

- LOT NUMBERS REFER TO THE TOWN OF BRIDGEWATER ASSESSOR'S MAP AND LOT NUMBERS.
- EXISTING CONDITION SURVEY WAS PERFORMED BY SILVA ENGINEERING ASSOCIATES P.C. ON SEPTEMBER 22-24, 2014.
- PROPERTY LINE ILLUSTRATED ON THIS PLAN WAS OBTAINED FROM DEED BOOK 13196, PAGE 147

### 'EXISTING CONDITIONS'

**SITE:**  
ASSESSOR'S MAP 34, LOT 233 & 234  
106 HALE STREET  
BRIDGEWATER, MASSACHUSETTS

**PREPARED FOR:**  
BRIDGEWATER STATE UNIVERSITY

**SEA** SILVA ENGINEERING ASSOCIATES, P.C.  
CIVIL ENGINEERS, LAND SURVEYORS & ENVIRONMENTAL CONSULTANTS  
1615 BEDFORD STREET  
BRIDGEWATER, MA 02324  
PHONE (508) 697-3100 FAX (508) 697-3136  
www.silvaeng.com

SCALE	DRAWN	DATE	ACAD FILE	SHEET
1" = 30'	MGB	11/04/14	814083	1

UTILITIES SHOWN ARE BASED UPON FIELD SURVEY AND RECORD PLANS.  
IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO NOTIFY DEPARTMENTS AND ALL UTILITY COMPANIES, AGENCIES UNIVERSITY FACILITIES & INFORMATION SERVICES DEPARTMENTS PRIOR TO CONSTRUCTION FOR THE LOCATION OF ALL UNDERGROUND UTILITIES AND CAMPUS UTILITY SIGN OFF.

# 106 HALE STREET GROUNDWATER OBSERVATIONS

<b>Project:</b> 106 Hale Street <b>Location:</b> <b>City/State:</b> Bridgewater, MA		<b>Job #:</b> 7498.2.00 <b>Date Started:</b> 7-20-22 <b>Date Finished:</b> 7-21-22		<b>Boring No.</b> <div style="font-size: 1.5em; font-weight: bold;">B-1</div>																									
<b>Contractor:</b> Geosearch <b>Driller/Helper:</b> Mike/Ed <b>Logged By/Reviewed By:</b> L. Espindola/D. Locke <b>Surface Elevation (ft):</b> 64.1		<b>Casing Type:</b> 4.25" HSA <b>Casing Hammer (lbs)/Drop (in):</b> 140lbs/30" <b>Sampler Size/Type:</b> 1 3/8 ID splitspoon <b>Sampler Hammer (lbs)/Drop (in):</b> 140lbs/30"		<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <th colspan="4">Groundwater Observations</th> </tr> <tr> <th>Date</th> <th>Depth</th> <th>Elev.</th> <th>Notes</th> </tr> <tr> <td>7-21-22</td> <td>15</td> <td>49.1</td> <td></td> </tr> <tr><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td></tr> </table>		Groundwater Observations				Date	Depth	Elev.	Notes	7-21-22	15	49.1													
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7-21-22	15	49.1																											

Depth (ft)	Elev. (ft)	Symbol	Depth/Elev. to Strata Change (ft)	Stratum	Sample					Sample Description and Boring Notes	
					N-Value RQD	No.	Pen. /Rec. (in)	Depth (ft)	Blows/6" Min/ft		
1	63		0.4 / 63.7	CONCRETE SLAB							
2	62					8	S-1	24/8	0.5-2.5	3 4 4 3	Loose, dark brown, gray and light brown, SAND, some gravel and silt, with ash. (FILL)
3	61					10	S-2	24/19	2.5-4.5	6 4 6 7	Loose to compact, gray and light brown, SAND, some gravel and silt. (FILL)
4	60										
5	59					10	S-3	24/16	5.0-7.0	11 5 5 6	Loose to compact, gray and light brown, SAND, some gravel and silt. (FILL)
6	58										
7	57		7.0 / 57.1								
8	56				14	S-4	24/22	7.0-9.0	7 7 7 8	Compact, light brown, fine to medium SAND, trace gravel and silt. (ALLUVIUM) NOTE: Redox features apparent in sample.	
9	55										
10	54										
11	53				12	S-5	24/17	10.0-12.0	12 6 6 7	Compact, light brown, stratified fine to medium SAND with interbedded medium to coarse SAND layers, some gravel, trace to some silt. (FILL) NOTE: Sample moist	
12	52										
13	51										
14	50										
15	49										
16	48				14	S-6	24/11	15.0-17.0	8 8 6 6	Compact, light brown to rust orange brown, fine SAND, trace to some silt, trace gravel. (ALLUVIUM) NOTE: Sample wet	
17	47										
18	46										
19	45										
20	44										
21	43			26	S-7	24/20	20.0-22.0	9 12 14 13	Compact, orange brown and gray brown, stratified SAND, trace to some silt, trace gravel. (ALLUVIUM)		
22	42										

GRANULAR SOILS		SOIL COMPONENT		
BLOWS/FT.	DENSITY	DESCRIPTIVE TERM	PROPORTION OF TOTAL	SOIL CONTAINING THREE COMPONENTS EACH OF WHICH COMPRISE AT LEAST 25% OF THE TOTAL ARE CLASSIFIED AS "A WELL-GRADED MIXTURE OF"
0-4	V.LOOSE	"TRACE"	0-10%	
4-10	LOOSE	"SOME"	10-20%	
10-30	COMPACT	"ADJECTIVE" (eg SANDY, SILTY)	20-35%	
30-50	DENSE	"AND"	35-50%	
>50	V.DENSE			
COHESIVE SOILS				
BLOWS/FT.	CONSISTENCY			
<2	V.SOFT	Notes: Autohammer used.   Weather: Clear		
2-4	SOFT			
4-8	FIRM			
8-15	STIFF			
15-30	V.STIFF			
>30	HARD			

**McPHAIL ASSOCIATES, LLC**  
 2269 MASSACHUSETTS AVENUE  
 CAMBRIDGE, MA 02140  
 TEL: 617-868-1420  
 FAX: 617-868-1423

Page 1 of 2




<b>Project:</b> 106 Hale Street		<b>Job #:</b> 7498.2.00		<b>Boring No.</b> <b>B-1</b>																									
<b>Location:</b>		<b>Date Started:</b> 7-20-22																											
<b>City/State:</b> Bridgewater, MA		<b>Date Finished:</b> 7-21-22																											
<b>Contractor:</b> Geosearch		<b>Casing Type:</b> 4.25" HSA		<table border="1" style="width:100%; border-collapse: collapse;"> <tr><th colspan="4">Groundwater Observations</th></tr> <tr> <th>Date</th><th>Depth</th><th>Elev.</th><th>Notes</th></tr> <tr> <td>7-21-22</td><td>15</td><td>49.1</td><td></td></tr> <tr><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td></tr> </table>		Groundwater Observations				Date	Depth	Elev.	Notes	7-21-22	15	49.1													
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<b>Driller/Helper:</b> Mike/Ed		<b>Casing Hammer (lbs)/Drop (in):</b> 140lbs/30"																											
<b>Logged By/Reviewed By:</b> L. Espindola/D. Locke		<b>Sampler Size/Type:</b> 1 3/8 ID splitspoon																											
<b>Surface Elevation (ft):</b> 64.1		<b>Sampler Hammer (lbs)/Drop (in):</b> 140lbs/30"																											

Depth (ft)	Elev. (ft)	Symbol	Depth/EL to Strata Change (ft)	Stratum	Sample					Sample Description and Boring Notes
					N-Value RQD	No.	Pen. /Rec. (in)	Depth (ft)	Blows/6" Min/ft	
24	40			ALLUVIUM						
25	39									
26	38				12	S-8	24/15	25.0-27.0	7 5 7 14	Compact, gray brown, fine to medium SAND, trace silt and gravel. (ALLUVIUM) NOTE: Changes in drilling advancement indicated stratigraphy change at 29'.
27	37									
28	36									
29	35		29.0 / 35.1							
30	34			GLACIAL OUTWASH						
31	33				122/8"	S-9	14/14	30.0-31.2	24 22 100/2"	Very dense, gray brown, SAND and GRAVEL, some silt. (GLACIAL OUTWASH) Splitspoon refusal at 31.2'. Hole terminated.
32	32			Bottom of borehole extends 31.2 feet below ground surface						
33	31									
34	30									
35	29									
36	28									
37	27									
38	26									
39	25									
40	24									
41	23									
42	22									
43	21									
44	20									
45	19									

GRANULAR SOILS		SOIL COMPONENT		
BLOWS/FT.	DENSITY	DESCRIPTIVE TERM	PROPORTION OF TOTAL	SOIL CONTAINING THREE COMPONENTS EACH OF WHICH COMPRISE AT LEAST 25% OF THE TOTAL ARE CLASSIFIED AS "A WELL-GRADED MIXTURE OF"
0-4	V.LOOSE	"TRACE"	0-10%	
4-10	LOOSE	"SOME"	10-20%	
10-30	COMPACT	"ADJECTIVE" (eg SANDY, SILTY)	20-35%	
30-50	DENSE	"AND"	35-50%	
>50	V.DENSE			
COHESIVE SOILS				
BLOWS/FT.	CONSISTENCY	Notes: Autohammer used.   Weather: Clear		
<2	V.SOFT			
2-4	SOFT			
4-8	FIRM			
8-15	STIFF			
15-30	V.STIFF			
>30	HARD			



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<b>Project:</b> 106 Hale Street <b>Location:</b> <b>City/State:</b> Bridgewater, MA		<b>Job #:</b> 7498.2.00 <b>Date Started:</b> 7-21-22 <b>Date Finished:</b> 7-21-22		<b>Boring No.</b> <b>B-2</b>																									
<b>Contractor:</b> Geosearch <b>Driller/Helper:</b> Mike/Ed <b>Logged By/Reviewed By:</b> L. Espindola/D. Locke <b>Surface Elevation (ft):</b> 64.4		<b>Casing Type:</b> 4.25" HSA <b>Casing Hammer (lbs)/Drop (in):</b> 140lbs/30" <b>Sampler Size/Type:</b> 1 3/8 ID splitspoon <b>Sampler Hammer (lbs)/Drop (in):</b> 140lbs/30"		<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <th colspan="4">Groundwater Observations</th> </tr> <tr> <th>Date</th> <th>Depth</th> <th>Elev.</th> <th>Notes</th> </tr> <tr> <td>7-21-22</td> <td>15</td> <td>49.4</td> <td></td> </tr> <tr><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td></tr> </table>		Groundwater Observations				Date	Depth	Elev.	Notes	7-21-22	15	49.4													
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Depth (ft)	Elev. (ft)	Symbol	Depth/EL to Strata Change (ft)	Stratum	Sample					Sample Description and Boring Notes		
					N-Value RQD	No.	Pen. /Rec. (in)	Depth (ft)	Blows/6" Min/ft			
1	64	A	1.0 / 63.4	CONCRETE SLAB								
	63		1.5 / 62.9	FILL	104/6"	S-1	6/4	1.0-1.5	4 100/0"	Loose to very dense, black and brown, SAND and GRAVEL, some silt, with brick, ash and cinder. (FILL)		
2	62	P		CONCRETE SLAB(S)						NOTE: Refusal on probable secondary slab. Concrete in splitspoon nose.		
3	61											
4	60											
5	59											
6	58	X	5.0 / 59.4	FILL	6	S-2	24/9	5.0-7.0	3 3 3	Loose, dark gray and brown, gravelly SAND, some silt, with ash. (FILL)  NOTE: Two approximately 1' slabs between 1.5' and 5'		
7	57		8.0 / 56.4		9	S-3	12/6	7.0-8.0	4 5	Loose, dark gray and brown, gravelly SAND, some silt, with ash. (FILL)		
8	56			ALLUVIUM	21	S-3a	12/8	8.0-9.0	10 11	Compact, orange brown, fine to medium SAND, trace gravel and silt. (ALLUVIUM)		
9	55											
10	54											
11	53						12	S-4	24/10	10.0-12.0	6 5 7 6	Compact, light brown to dark brown, stratified fine to medium SAND with interbedded medium to coarse SAND layers, trace gravel and silt. (ALLUVIUM)
12	52											
13	51											
14	50											
15	49											
16	48						7	S-5	24/12	15.0-17.0	3 4 3 4	Loose, dark brown, fine to medium SAND, trace gravel and silt. (ALLUVIUM)  NOTE: Sample wet.
17	47											
18	46											
19	45											
20	44											
21	43				10	S-6	24/20	20.0-22.0	4 5 5 7	Compact, gray, fine to medium SAND, trace gravel and silt. (ALLUVIUM)		
22	42											


GRANULAR SOILS		SOIL COMPONENT	
BLOWS/FT.	DENSITY	DESCRIPTIVE TERM	PROPORTION OF TOTAL
0-4	V.LOOSE	"TRACE"	0-10%
4-10	LOOSE	"SOME"	10-20%
10-30	COMPACT	"ADJECTIVE" (eg SANDY, SILTY)	20-35%
30-50	DENSE	"AND"	35-50%
>50	V.DENSE		
COHESIVE SOILS			
BLOWS/FT.	CONSISTENCY	Notes:	
<2	V.SOFT	Autohammer used.	
2-4	SOFT		
4-8	FIRM		
8-15	STIFF		
15-30	V.STIFF		
>30	HARD		
		Weather: Clear	

 <b>McPHAIL ASSOCIATES, LLC</b> 2269 MASSACHUSETTS AVENUE CAMBRIDGE, MA 02140 TEL: 617-868-1420 FAX: 617-868-1423
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<b>Project:</b> 106 Hale Street		<b>Job #:</b> 7498.2.00		<b>Boring No.</b>  <b>B-2</b>																									
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<b>Driller/Helper:</b> Mike/Ed		<b>Casing Hammer (lbs)/Drop (in):</b> 140lbs/30"																											
<b>Logged By/Reviewed By:</b> L. Espindola/D. Locke		<b>Sampler Size/Type:</b> 1 3/8 ID splitspoon																											
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Depth (ft)	Elev. (ft)	Symbol	Depth/Elev. to Strata Change (ft)	Stratum	Sample					Sample Description and Boring Notes																			
					N-Value RQD	No.	Pen. /Rec. (in)	Depth (ft)	Blows/6" Min/ft																				
24	41			ALLUVIUM						Compact, SAND, trace to some gravel, trace silt. (ALLUVIUM)																			
25	40																												
26	39				12	S-7	24/10	25.0-27.0	4 6 6 8																				
27	38																												
28	37																												
29	36																												
30	35		30.0 / 34.4																										
31	34		32.0 / 32.4	GLACIAL OUTWASH	33	S-8	24/20	30.0-32.0	7	Dense, gravely medium to coarse SAND, trace silt. (GLACIAL OUTWASH)																			
32	33								11																				
33	32								22																				
34	31			Bottom of borehole extends 32 feet below ground surface																									
35	30																												
36	29																												
37	28																												
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30-50	DENSE	"AND"	35-50%	
>50	V.DENSE			
COHESIVE SOILS				
BLOWS/FT.	CONSISTENCY	Notes: Autohammer used.   Weather: Clear		
<2	V.SOFT			
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4-8	FIRM			
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>30	HARD			



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<b>Contractor:</b> Geosearch <b>Driller/Helper:</b> Mike/Ed <b>Logged By/Reviewed By:</b> L. Espindola/D. Locke <b>Surface Elevation (ft):</b> 64.5		<b>Casing Type:</b> 4.25" HSA <b>Casing Hammer (lbs)/Drop (in):</b> 140lbs/30" <b>Sampler Size/Type:</b> 1 3/8 ID splitspoon <b>Sampler Hammer (lbs)/Drop (in):</b> 140lbs/30"		<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th colspan="4">Groundwater Observations</th> </tr> <tr> <th>Date</th> <th>Depth</th> <th>Elev.</th> <th>Notes</th> </tr> <tr> <td>7-20-22</td> <td>13</td> <td>51.5</td> <td></td> </tr> <tr><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td></tr> </table>		Groundwater Observations				Date	Depth	Elev.	Notes	7-20-22	13	51.5													
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					N-Value RQD	No.	Pen. /Rec. (in)	Depth (ft)	Blows/6" Min/ft	
1	64	[Symbol: Diagonal Lines]	0.3 / 64.2	ASPHALT	27	S-1	24/16	0.0-2.0	13	Compact, brown and dark brown, SAND and GRAVEL, some silt, with brick and asphalt. (FILL)
63	21									
2	63	[Symbol: Dotted Pattern]	2.0 / 62.5	FILL	68	S-2	24/21	2.0-4.0	30	Very dense, gray, gravelly fine to medium SAND, some silt. (GLACIAL OUTWASH) NOTE: Sample moist
62	26									
61	42									
60	28									
59										
58	16									
57	22									
56	46									
55	59									
54										
11	53	[Symbol: Dotted Pattern]	13.0 / 51.5	GLACIAL OUTWASH	111	S-4	24/3	10.0-12.0	45	Very dense, gray, gravelly fine to medium SAND, some silt. (GLACIAL OUTWASH)
68	68									
43	37									
14	51	[Symbol: Vertical Lines]	22.0 / 42.5	ALLUVIUM	12	S-5	24/15	13.0-15.0	3	Compact, gray and black, fine to medium SAND, trace silt and gravel. (ALLUVIUM) NOTE: Strong hydrocarbon odor and black staining. Sample wet.
5	5									
7	7									
6	6									
16	49	[Symbol: Vertical Lines]	22.0 / 42.5	ALLUVIUM	11	S-6	24/16	15.0-17.0	5	Compact, gray and black, fine to medium SAND, some gravel, trace silt. (ALLUVIUM) NOTE: Strong hydrocarbon odor and black staining.
6	6									
5	5									
6	6									
21	43	[Symbol: Vertical Lines]	22.0 / 42.5	ALLUVIUM	13	S-7	24/19	20.0-22.0	6	Compact, gray brown, stratified fine to medium SAND with interbedded medium to coarse SAND layers, some gravel, trace to some silt. (ALLUVIUM) NOTE: Slight hydrocarbon odor
7	6									
22	42	Bottom of borehole extends 22 feet below ground surface								

GRANULAR SOILS		SOIL COMPONENT		
BLOWS/FT.	DENSITY	DESCRIPTIVE TERM	PROPORTION OF TOTAL	SOIL CONTAINING THREE COMPONENTS EACH OF WHICH COMPRISE AT LEAST 25% OF THE TOTAL ARE CLASSIFIED AS "A WELL-GRADED MIXTURE OF"
0-4	V.LOOSE	"TRACE"	0-10%	
4-10	LOOSE	"SOME"	10-20%	
10-30	COMPACT	"ADJECTIVE" (eg SANDY, SILTY)	20-35%	
30-50	DENSE	"AND"	35-50%	
>50	V.DENSE			
COHESIVE SOILS		Notes: Autohammer used.   Weather: Clear		
BLOWS/FT.	CONSISTENCY			
<2	V.SOFT			
2-4	SOFT			
4-8	FIRM			
8-15	STIFF			
15-30	V.STIFF			
>30	HARD			



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<b>Project:</b> 106 Hale Street		<b>Job #:</b> 7498.2.00		<b>Boring No.</b> <b>B-4</b>																									
<b>Location:</b>		<b>Date Started:</b> 7-21-22																											
<b>City/State:</b> Bridgewater, MA		<b>Date Finished:</b> 7-21-22																											
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<b>Driller/Helper:</b> Mike/Ed		<b>Casing Hammer (lbs)/Drop (in):</b> 140lbs/30"																											
<b>Logged By/Reviewed By:</b> L. Espindola/D. Locke		<b>Sampler Size/Type:</b> 1 3/8 ID splitspoon																											
<b>Surface Elevation (ft):</b> 64.0		<b>Sampler Hammer (lbs)/Drop (in):</b> 140lbs/30"																											

Depth (ft)	Elev. (ft)	Symbol	Depth/Elev. to Strata Change (ft)	Stratum	Sample					Sample Description and Boring Notes			
					N-Value RQD	No.	Pen. /Rec. (in)	Depth (ft)	Blows/6" Min/ft				
1	63	X	0.3 / 63.7	CONCRETE SLAB									
2	62									Very loose to loose, brown and dark brown, SAND and GRAVEL, some silt, with brick and coal. (FILL)			
3	61												
4	60												
5	59	X		FILL									
6	58											Loose, dark brown, gravelly SAND, some silt, with brick, ash and clinder. (FILL)  NOTE: light brown, fine to medium sand in splitspoon tip.	
7	57												
8	56												
9	55		7.0 / 57.0	ALLUVIUM									
10	54											Compact, gray brown, fine to medium SAND into medium to coarse SAND, trace gravel and silt. (ALLUVIUM)  NOTE: Sample moist	
11	53												
12	52												
13	51												
14	50												
15	49												
16	48												Compact, gray brown, medium to coarse SAND, some gravel, trace silt. (ALLUVIUM)  NOTE: Sample wet
17	47												
18	46												
19	45												
20	44												
21	43												
22	42												
			22.5 / 41.5	GLACIAL OUTWASH									

<b>GRANULAR SOILS</b>		<b>SOIL COMPONENT</b>	
BLOWS/FT.	DENSITY	DESCRIPTIVE TERM	PROPORTION OF TOTAL
0-4	V.LOOSE	"TRACE"	0-10%
4-10	LOOSE	"SOME"	10-20%
10-30	COMPACT	"ADJECTIVE" (eg SANDY, SILTY)	20-35%
30-50	DENSE	"AND"	35-50%
>50	V.DENSE		
<b>COHESIVE SOILS</b>			
BLOWS/FT.	CONSISTENCY		
<2	V.SOFT	Notes: Autohammer used.   Weather: Clear	
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<b>Project:</b> 106 Hale Street <b>Location:</b> <b>City/State:</b> Bridgewater, MA		<b>Job #:</b> 7498.2.00 <b>Date Started:</b> 7-21-22 <b>Date Finished:</b> 7-21-22		<b>Boring No.</b> <b>B-4</b>																									
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					N-Value RQD	No.	Pen. /Rec. (in)	Depth (ft)	Blows/6" Min/ft	
24	40			GLACIAL OUTWASH						
25	39									
26	38				33	S-6	24/12	25.0-27.0	9 16 17 22	Dense, gray brown and orange brown, silty SAND and GRAVEL. (GLACIAL OUTWASH)
27	37									
28	36									
29	35									
30	34									
31	33		30.9 / 33.1	Bottom of borehole extends 30.9 feet below ground surface	119/10"	S-7	10/6	30.0-30.8	19 100/4"	Very dense, orange brown, sandy GRAVEL, trace silt. (GLACIAL OUTWASH)
32	32									Spillspoon refusal at 30.9'. Hole terminated.
33	31									
34	30									
35	29									
36	28									
37	27									
38	26									
39	25									
40	24									
41	23									
42	22									
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GRANULAR SOILS		SOIL COMPONENT	
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