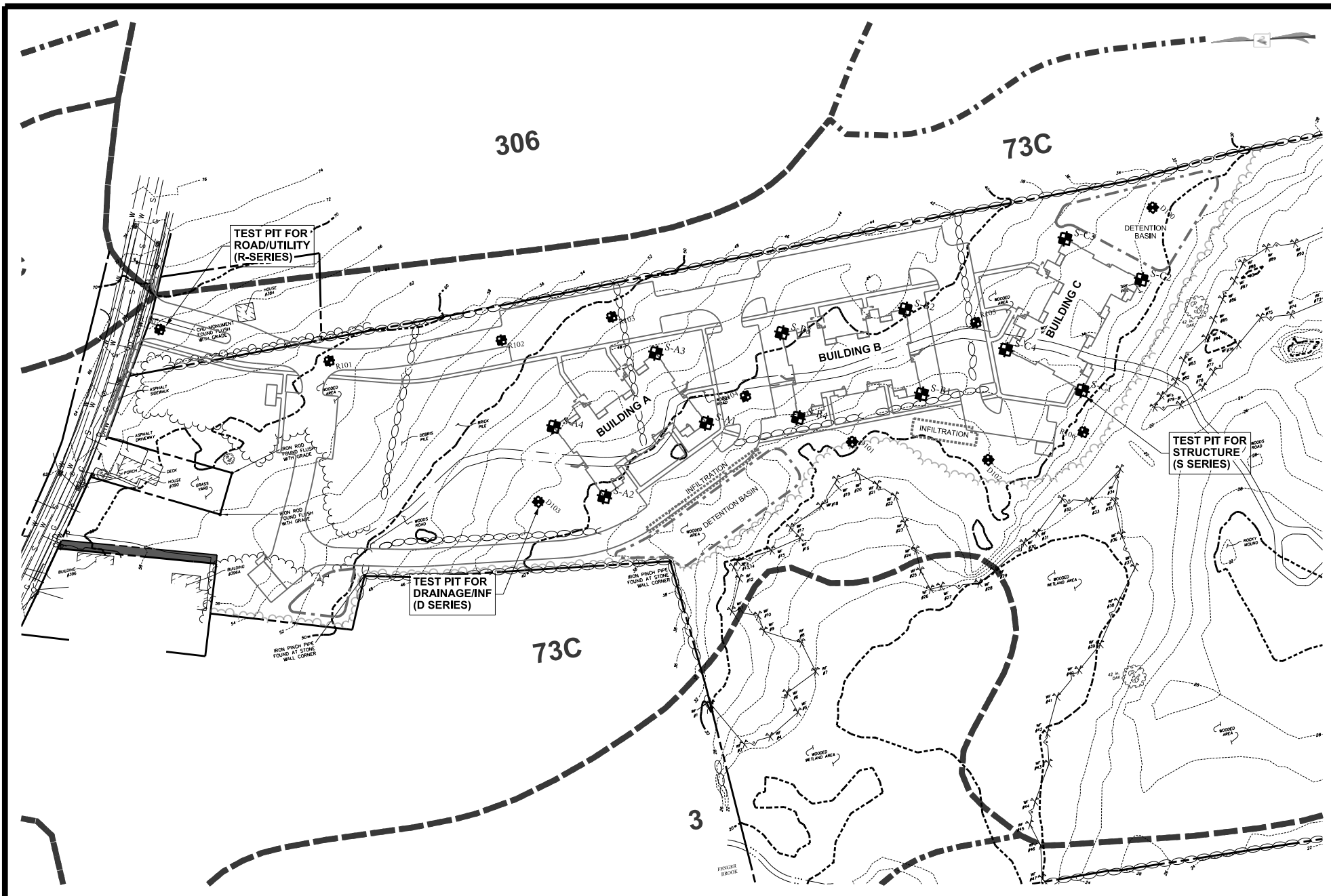




SCALE: 1"= 150'



PROJECT NO:
00096 - 001

DATE:
10/8/20

SHEET NO:
ST-1



CONTACT INFORMATION

YANTIC RIVER CONSULTANTS, LLC
191 NORWICH AVENUE
LEBANON, CONN 06249

Phone: (860) 367-7264
Email: yanticriver@gmail.com
Web: www.yanticriverconsultants.com

WATERFORD WOODS

PREPARED FOR SIG CON ASSOCIATES, LLC

DEEP OBSERVATION PIT TESTING - LOCATION PLAN

384 & 394 WILLETTS AVENUE EXT.

WATERFORD, CT

TEST PIT:			R100			TEST PIT:			R101		
DATE:			10/8/20			DATE:			10/8/20		
PERF. BY:			BJH			PERF. BY:			BJH		
DEPTH			CHARACTERISTICS			DEPTH			CHARACTERISTICS		
0	-	48	Topsoil / Fill			0	-	90	Native Material / No Ledge		
48	-	96	Silty Sand & Gravel						Fine Silty Sand Subsoil & Till		
ROOTS			N/A			ROOTS			N/A		
WATER			N/A			WATER			N/A		
LEDGE			N/A			LEDGE			N/A		
MOTT. / REST.			N/A			MOTT. / REST.			N/A		

Field Notes:

Field Notes:

TEST PIT:				R102				TEST PIT:				R103			
DATE:				10/8/20				DATE:				10/8/20			
PERF. BY:				BJH				PERF. BY:				BJH			
DEPTH			CHARACTERISTICS					DEPTH			CHARACTERISTICS				
0	-	90	Native Material / No Ledge					0	-	96	Native Material / No Ledge				
			Fine Silty Sand Subsoil & Till								Fine Silty Sand Subsoil & Till				
									-						
ROOTS			N/A					ROOTS			N/A				
WATER			N/A					WATER			N/A				
LEDGE			N/A					LEDGE			N/A				
MOTT. / REST.			N/A					MOTT. / REST.			N/A				

Field Notes:

Field Notes:

TEST PIT:			R104			TEST PIT:			R105		
DATE:			10/8/20			DATE:			10/8/20		
PERF. BY:			BJH			PERF. BY:			BJH		
DEPTH			CHARACTERISTICS			DEPTH			CHARACTERISTICS		
0	-	84	Native Material / No Ledge			0	-	84	Native Material / No Ledge		
			Fine Silty Sand Subsoil & Till						Fine Silty Sand Subsoil & Till		
							-				
ROOTS			N/A			ROOTS			N/A		
WATER			N/A			WATER			N/A		
LEDGE			N/A			LEDGE			N/A		
MOTT. / REST.			N/A			MOTT. / REST.			N/A		

Field Notes:

Field Notes:

TEST PIT:				D100				TEST PIT:				D101			
DATE:				10/8/20				DATE:				10/8/20			
PERF. BY:				BJH				PERF. BY:				BJH			
DEPTH				CHARACTERISTICS				DEPTH				CHARACTERISTICS			
0	-	8	Topsoil				0	-	14	Topsoil					
8	-	34	Tan Fine Sandy Loam w/ Silt				14	-	30	Tan Silty Fine Sand					
34	-	60	Till				30	-	84	Grey Silt & Sand Saturated					
	-							-							
	-							-							
	-							-							
ROOTS				N/A				ROOTS				N/A			
WATER				N/A				WATER				N/A			
LEDGE				60"+				LEDGE				N/A			
MOTT. / REST.				34"+				MOTT. / REST.				30"			

Field Notes:

Field Notes:

TEST PIT:				D102				TEST PIT:				D103			
DATE:				10/8/20				DATE:				10/8/20			
PERF. BY:				BJH				PERF. BY:				BJH			
DEPTH				CHARACTERISTICS				DEPTH				CHARACTERISTICS			
0	-	10	Topsoil				0	-	8	Topsoil					
10	-	36	Tan Fine Sandy Loam w/ Silt				8	-	36	Fine Sandy Loam w/ Silt					
36	-	84	Till					-							
	-							-							
	-							-							
	-							-							
ROOTS				N/A				ROOTS				N/A			
WATER				N/A				WATER				N/A			
LEDGE				60"+				LEDGE				24" - 36"			
MOTT. / REST.				34"+				MOTTLING				N/A			

Field Notes:

Field Notes:

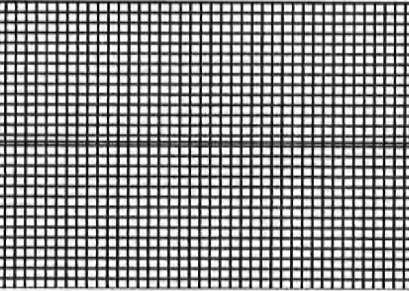
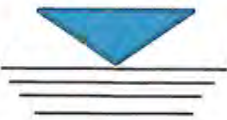
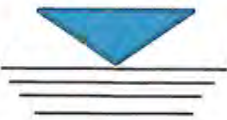
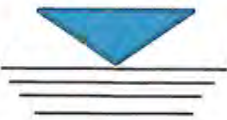
APPENDIX A

Test Pit Logs 1-12

Conducted October 8, 2020



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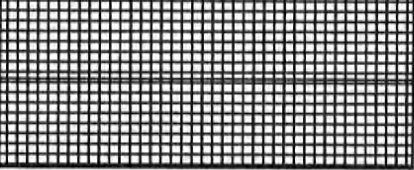
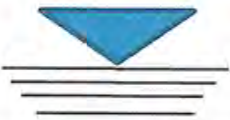
TEST PIT LOG																	
Test Pit No. <u>A1</u>		Excavation Co. _____															
Sheet <u>384-394 Willets Avenue</u>		Foremen _____															
Project No. _____		Excavation Type _____															
Project Location <u>Waterford, CT</u>		<i>Backhoe / Handtools</i>															
Test Pit Coordinates																	
Ground Surface EL. (FT) _____		Datum _____															
_____ 39 _____		Date Start/End _____ 10/8/2020															
Ground Water Readings																	
Date	Time	Water	Stabilization Time														
Area of Test Pit: 13x15 feet:																	
Depth (ft)	Elevation	Visual Representation	Description and Classification														
0"	0-12"		Top Soil														
6"																	
12"																	
18"																	
24"	12-48"		Light Grey sand F-M														
30"																	
36"																	
42"																	
48"																	
54"																	
60"	48-78"		Depth Bedrock (Varies)														
66"																	
72"																	
78"																	
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th colspan="2">Proportions of Components</th> <th>Observed Gound Water Elevation</th> <th rowspan="5">Remarks/Notes: Numerous surface boulders & outcrops</th> </tr> </thead> <tbody> <tr> <td>Trace</td> <td>0-10%</td> <td rowspan="4">  </td> </tr> <tr> <td>Little</td> <td>10-20%</td> </tr> <tr> <td>Some</td> <td>20-35%</td> </tr> <tr> <td>And</td> <td>35-50%</td> </tr> </tbody> </table>					Proportions of Components		Observed Gound Water Elevation	Remarks/Notes: Numerous surface boulders & outcrops	Trace	0-10%		Little	10-20%	Some	20-35%	And	35-50%
Proportions of Components		Observed Gound Water Elevation	Remarks/Notes: Numerous surface boulders & outcrops														
Trace	0-10%																
Little	10-20%																
Some	20-35%																
And	35-50%																

Inspector/Techincian: _____

Reviewed By: _____



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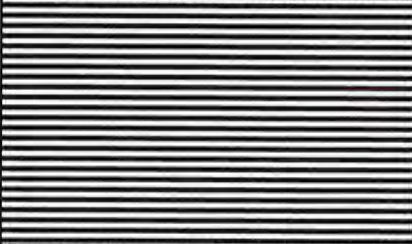
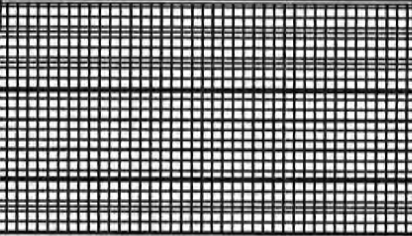
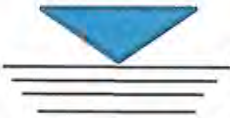
TEST PIT LOG			
Test Pit No. <u>A2</u>		Excavation Co. _____	
Sheet <u>384-394 Willets Avenue</u>		Foremen _____	
Project No. _____		Excavation Type	
Project Location <u>Waterford, CT</u>		<u>Backhoe</u> / <u>Handtools</u>	
Test Pit Coordinates			
Ground Surface EL. (FT) <u>39</u>		Datum _____	
Final Test Pit Depth (FT) _____		Date Start/End <u>10/8/2020</u>	
Ground Water Readings			
Date	Time	Water	Stabilization Time
Area of Test Pit: 13x15 feet:			
Depth (ft)	Elevation	Visual Representation	Description and Classification
0"	0-12"		Top Soil
6"			
12"			
18"			
24"	12-24"		Orange Loess
30"			
36"	24-60"		Light Brown F-M Sand
42"			
48"			
54"			
60"			
66"			
72"	60-78"		Bedrock/Boulders
78"			
Proportions of Components		Observed Gound Water Elevation	Remarks/Notes: 1. Surface of bedrock slopes. 2. Mottling at 4'-6".
Trace	0-10%		
Little	10-20%		
Some	20-35%		
And	35-50%		

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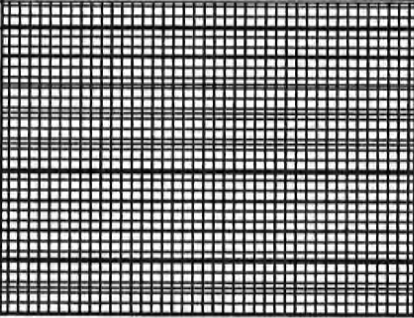
TEST PIT LOG						
Test Pit No. <u>A3</u>		Excavation Co. _____				
Sheet <u>384-394 Willets Avenue</u>		Foremen _____				
Project No. _____		Excavation Type _____				
Project Location <u>Waterford, CT</u>		<i>Backhoe / Handtools</i>				
Test Pit Coordinates _____						
Ground Surface EL. (FT) <u>45</u>		Datum _____				
Final Test Pit Depth (FT) _____		Date Start/End <u>10/8/2020</u>				
Ground Water Readings						
Date	Time	Water	Stabilization Time			
Area of Test Pit: 13x15 feet:						
Depth (ft)	Elevation	Visual Representation	Description and Classification			
0"	0-12"		Top Soil			
6"						
12"						
18"						
24"	12-24"		Loam			
30"						
36"	24-78"		Light brown F-M Sand, Grey F-M Sand			
42"						
48"						
54"						
60"						
66"						
72"						
78"						
84"				78-84"		Rock
90"						
96"						
102"						
108"						
114"						
120"						
126"						
132"						
Proportions of Components		Observed Gound Water Elevation	Remarks/Notes: Surface of bedrock slopes			
Trace	0-10%					
Little	10-20%					
Some	20-35%					
And	35-50%					

Inspector/Techincian: _____

Reviewed By: _____



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TEST PIT LOG				
Test Pit No. <u>A4</u>		Excavation Co. _____		
Sheet <u>384-394 Willets Avenue</u>		Foremen _____		
Project No. _____		Excavation Type _____		
Project Location <u>Waterford, CT</u>		<i>Backhoe / Handtools</i>		
Test Pit Coordinates _____				
Ground Surface EL. (FT) <u>44</u>		Datum _____		
Final Test Pit Depth (FT) _____		Date Start/End <u>10/8/2020</u>		
Ground Water Readings				
Date	Time	Water	Stabilization Time	
Area of Test Pit: 13x15 feet:				
Depth (ft)	Elevation	Visual Representation	Description and Classification	
0" 6" 12" 18"	0-18"		Top Soil/Loam	
24" 30" 36" 42" 48" 54" 60"	18-60"		Tan F-M Sand, grey F-M Sand	
66"	60-66"		Rock	
Proportions of Components		Observed Gound Water Elevation	Remarks/Notes: 1) Rock surface slopes slightly. 2) Mottling at 2'-6".	
Trace	0-10%			
Little	10-20%			
Some	20-35%			
And	35-50%			

Inspector/Techincian: _____

Reviewed By: _____



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TEST PIT LOG			
Test Pit No. <u>B1</u>		Excavation Co. _____	
Sheet <u>384-394 Willets Avenue</u>		Foremen _____	
Project No. _____		Excavation Type	
Project Location <u>Waterford, CT</u>		<i>Backhoe / Handtools</i>	
Test Pit Coordinates			
Ground Surface EL. (FT) _____		Datum _____	
Final Test Pit Depth (FT) _____		Date Start/End <u>10/8/2020</u>	
Ground Water Readings			
Date	Time	Water	Stabilization Time
Area of Test Pit: 13x15 feet:			
Depth (ft)	Elevation	Visual Representation	Description and Classification
0"	0-12"		Top soil
6"			
12"			
18"			
24"	12-30"		Orange, Brown Loess
30"			
36"			
42"			
48"	30-60"		Tan F-M Sand, Mottling at 30"
54"			
60"			
66"			
72"	60-84"		Rock
78"			
84"			
Proportions of Components		Observed Gound Water Elevation	Remarks/Notes: 1) Rock surface slopes. 2) Mottling at 2'-6".
Trace	0-10%		
Little	10-20%		
Some	20-35%		
And	35-50%		

Inspector/Technician: _____

Reviewed By: _____



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TEST PIT LOG			
Test Pit No.	B2	Excavation Co.	
Sheet	384-394 Willets Avenue	Foremen	
Project No.		Excavation Type	
Project Location	Waterford, CT	Backhoe / Handtools	

Test Pit Coordinates		
Ground Surface EL. (FT)	41	Datum
Final Test Pit Depth (FT)		Date Start/End
		10/8/2020

Ground Water Readings			
Date	Time	Water	Stabilization Time

Area of Test Pit: 13x15 feet:

Depth (ft)	Elevation	Visual Representation	Description and Classification
0"	0-12"		Top soil
6"			
12"			
18"			
24"			
30"	12-60"		Tan Light Brown F-M Sand
36"			
42"			
48"			
54"			
60"			
66"			
	60-66"		Rock

Proportions of Components	Observed Gound Water Elevation	Remarks/Notes: 1) Rock surface slope slightly
Trace 0-10%		
Little 10-20%		
Some 20-35%		
And 35-50%		

Inspector/Techincian: _____

Reviewed By: _____



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TEST PIT LOG					
Test Pit No. <u>B3</u>		Excavation Co. _____			
Sheet <u>384-394 Willets Avenue</u>		Foremen _____			
Project No. _____		Excavation Type			
Project Location <u>Waterford, CT</u>		<i>Backhoe / Handtools</i>			
Test Pit Coordinates _____					
Ground Surface EL. (FT) <u>41'</u>		Datum _____			
Final Test Pit Depth (FT) _____		Date Start/End <u>10/8/2020</u>			
Ground Water Readings					
Date	Time	Water	Stabilization Time		
Area of Test Pit: 13x15 feet:					
Depth (ft)	Elevation	Visual Representation	Description and Classification		
0"	0-12"		Top soil		
6"					
12"					
18"					
24"	12-24"			Brown Orange Loess	
30"					
36"					
42"					
48"					
54"	24-78"				Light Brown & M-F Sand, Grey M-F Sand
60"					
66"					
72"					
78"	78"			Rock at 7' Drops Off	
84"					
Proportions of Components			Observed Gound Water Elevation	Remarks/Notes: Rock drops sharply	
Trace 0-10% Little 10-20% Some 20-35% And 35-50%					

Inspector/Technician: _____

Reviewed By: _____



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TEST PIT LOG																	
Test Pit No. <u>B4</u>		Excavation Co. _____															
Sheet <u>384-394 Willets Avenue</u>		Foremen _____															
Project No. _____		Excavation Type _____															
Project Location <u>Waterford, CT</u>		<i>Backhoe / Handtools</i>															
Test Pit Coordinates _____																	
Ground Surface EL. (FT) <u>33'</u>		Datum _____															
Final Test Pit Depth (FT) _____		Date Start/End <u>10/8/2020</u>															
Ground Water Readings																	
Date	Time	Water	Stabilization Time														
Area of Test Pit: 13x15 feet:																	
Depth (ft)	Elevation	Visual Representation	Description and Classification														
0"	0-12"		Top Soil														
6"																	
12"																	
18"																	
24"	12-24"		Loam														
30"																	
36"																	
42"																	
48"	24-48"		Tand M-F Sand														
54"																	
60"																	
66"																	
72"	48-72"		Rock														
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr style="background-color: #cccccc;"> <th colspan="2">Proportions of Components</th> <th>Observed Gound Water Elevation</th> <th rowspan="5">Remarks/Notes: Rock surface slopes</th> </tr> </thead> <tbody> <tr> <td>Trace</td> <td>0-10%</td> <td rowspan="4" style="text-align: center;"> </td> </tr> <tr> <td>Little</td> <td>10-20%</td> </tr> <tr> <td>Some</td> <td>20-35%</td> </tr> <tr> <td>And</td> <td>35-50%</td> </tr> </tbody> </table>					Proportions of Components		Observed Gound Water Elevation	Remarks/Notes: Rock surface slopes	Trace	0-10%		Little	10-20%	Some	20-35%	And	35-50%
Proportions of Components		Observed Gound Water Elevation	Remarks/Notes: Rock surface slopes														
Trace	0-10%																
Little	10-20%																
Some	20-35%																
And	35-50%																

Inspector/Techincian: _____

Reviewed By: _____



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TEST PIT LOG				
Test Pit No. <u>C1</u>		Excavation Co. _____		
Sheet <u>384-394 Willets Avenue</u>		Foremen _____		
Project No. _____		Excavation Type		
Project Location <u>Waterford, CT</u>		<u>Backhoe</u> / <u>Handtools</u>		
Test Pit Coordinates _____				
Ground Surface EL. (FT) _____		Datum _____		
Final Test Pit Depth (FT) _____		Date Start/End _____ 10/8/2020		
Ground Water Readings				
Date	Time	Water	Stabilization Time	
Area of Test Pit: 13x15 feet:				
Depth (ft)	Elevation	Visual Representation	Description and Classification	
0"	0-24"		Top Soil	
6"				
12"				
18"				
24"				
30"	24-60"		Tan F-M Sand	
36"				
42"				
48"				
54"				
60"	60"		Rock	
66"				
72"				
78"				
84"				
90"				
96"				
102"				
108"				
114"				
120"				
126"				
132"				
Proportions of Components		Observed Gound Water Elevation	Remarks/Notes: Rock surface flat	
Trace	0-10%			
Little	10-20%			
Some	20-35%			
And	35-50%			

Inspector/Techincian: _____

Reviewed By: _____



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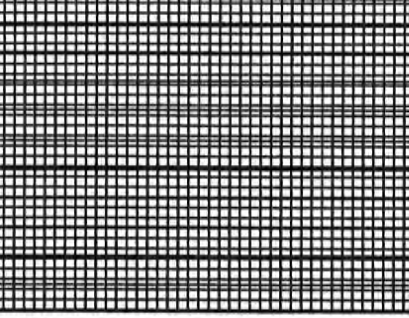
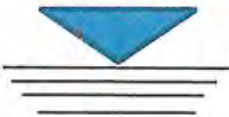
TEST PIT LOG			
Test Pit No. <u>C2</u>		Excavation Co. _____	
Sheet <u>384-394 Willets Avenue</u>		Foremen _____	
Project No. _____		Excavation Type	
Project Location <u>Waterford, CT</u>		Backhoe / Handtools	
Test Pit Coordinates _____			
Ground Surface EL. (FT) <u>31'</u>		Datum _____	
Final Test Pit Depth (FT) _____		Date Start/End <u>10/8/2020</u>	
Ground Water Readings			
Date	Time	Water	Stabilization Time
Area of Test Pit: 13x15 feet:			
Depth (ft)	Elevation	Visual Representation	Description and Classification
0"	0-18"		Top Soil/ Loam, Organic at 18"
6"			
12"			
18"			
18"-24"	18-24"		Orange Loess
24"	18-54"		Tand F-M Sand
30"			
36"			
42"			
48"			
54"			
60"	54-84"		Rock
66"			
72"			
78"			
84"			
Proportions of Components		Observed Gound Water Elevation	Remarks/Notes: Rock surface slopes
Trace	0-10%		
Little	10-20%		
Some	20-35%		
And	35-50%		

Inspector/Techincian: _____

Reviewed By: _____



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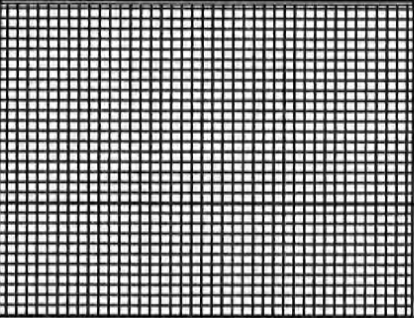
TEST PIT LOG				
Test Pit No. <u>C3</u>		Excavation Co. _____		
Sheet <u>384-394 Willets Avenue</u>		Foremen _____		
Project No. _____		Excavation Type _____		
Project Location <u>Waterford, CT</u>		<i>Backhoe / Handtools</i>		
Test Pit Coordinates				
Ground Surface EL. (FT) _____		Datum _____		
Final Test Pit Depth (FT) _____		Date Start/End <u>10/8/2020</u>		
Ground Water Readings				
Date	Time	Water	Stabilization Time	
Area of Test Pit: 13x15 feet:				
Depth (ft)	Elevation	Visual Representation	Description and Classification	
0"	0-18"		Top Soil/Loam	
6"				
12"				
18"				
24"				
30"	18-60"		Grey F-M Sand, Tan F-M Sand	
36"				
42"				
48"				
54"				
60"				
66"	60"		Rock	
Proportions of Components		Observed Gound Water Elevation	Remarks/Notes: 1) Rock surface flat. 2) Mottling at 3'.	
Trace	0-10%			
Little	10-20%			
Some	20-35%			
And	35-50%			

Inspector/Technician: _____

Reviewed By: _____



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www.thequillgroup.com

TEST PIT LOG				
Test Pit No. <u>C4</u>		Excavation Co. _____		
Sheet <u>384-394 Willets Avenue</u>		Foremen _____		
Project No. _____		Excavation Type _____		
Project Location <u>Waterford, CT</u>		<i>Backhoe / Handtools</i>		
Test Pit Coordinates _____				
Ground Surface EL. (FT) _____		Datum _____		
Final Test Pit Depth (FT) _____		Date Start/End <u>10/8/2020</u>		
Ground Water Readings				
Date	Time	Water	Stabilization Time	
Area of Test Pit: 13x15 feet:				
Depth (ft)	Elevation	Visual Representation	Description and Classification	
0"	0-12"		Top Soil	
6"				
12"				
18"				
24"	12-60"		Tan and Grey F-M Sand	
30"				
36"				
42"				
48"				
54"				
60"	60-102"		Bedrock & Boulders	
66"				
72"				
78"				
84"				
90"				
96"				
102"				
Proportions of Components		Observed Gound Water Elevation	Remarks/Notes: irregular bedrock / boulder surface	
Trace	0-10%	 		
Little	10-20%			
Some	20-35%			
And	35-50%			

Inspector/Technician: _____

Reviewed By: _____