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SOILTESTING, INC.

90 DONOVAN ROAD - OXFORD, CONN. 06478-1028

GEOTECHNICAL / ENVIRONMENTAL SUBSURFACE INVESTIGATIONS - Test Borings - Core Drilling
Monitoring Wells - Recovery Wells - Direct Push/Probe Sampling
UNDERPINNING - HELICAL PILES - SOIL NAILS



G158-2608-23

Re: Lightbridge Academy
26 Legion Drive, Valhalla NY

Dear Mr.

Attached please find the Probe Reports, Test Boring Logs, and location plan for work in Valhalla NY as well as our invoice.

If you have any questions, please do not hesitate to contact us.

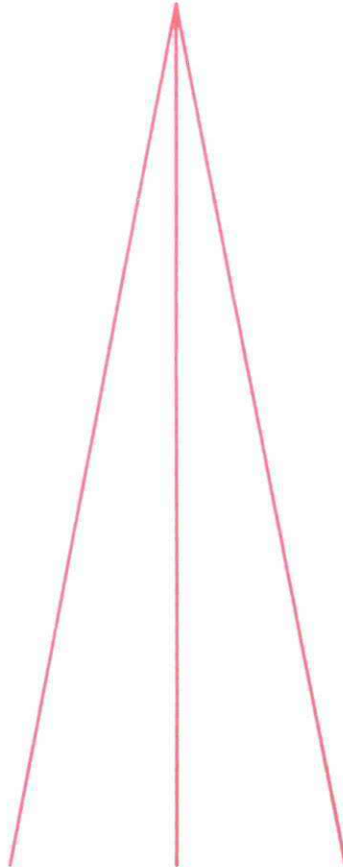
Very truly yours,



James A. DeAngelis
President
JAD:mv

SOILTESTING, INC.

TO DATE 31-Aug-23
ADDRESS
SITE LOCATION 26 Legion Dr., Valhalla NY
REPORT SENT TO
SAMPLES SENT TO Storage (Max 60 days)



90 Donovan Road
Oxford, Connecticut 06478-1028
203-262-9328

Branch Office:
White Plains, New York 10607
914-946-4850

JOB NO.
G158-2608-23

SOILTESTING, INC. 90 DONOVAN ROAD OXFORD, CT 06478 CT (203) 888-4531 NY (914) 946-4850	CLIENT: <u>Gisondi Engineering</u>	
	PROJECT NO. G158-2608-23	
	PROJECT NAME Lightbridge Academy Proposed 2-Story Building	
FOREMAN - DRILLER PD/pd	LOCATION	26 Legion Drive Valhalla NY
	TYPE CASING SAMPLER Auger SIZE O.D. 6"	Date Start 8/28/23 Date Fin. 8/28/23

[illegible]

SOILTESTING, INC. 90 DONOVAN RD. OXFORD, CT 06478 CT (203) 262-9328 NY (914) 946-4850	CLIENT: <u>Gisondi Engineering</u>		SHEET <u>1</u> OF <u>1</u>	
	PROJECT NO. <u>G158-2608-23</u>		HOLE NO. <u>B-1</u>	
	PROJECT NAME <u>Proposed 2-Story Building</u>		BORING LOCATIONS Per Plan	
FOREMAN - DRILLER <u>JK/mk</u>	LOCATION <u>Lightbridge Academy</u> <u>26 Legion Dr., Valhalla NY</u>			
INSPECTOR	CASING	SAMPLER	CORE BAR	OFFSET
	TYPE <u>HSA</u>	<u>SS</u>		DATE START <u>8/21/23</u>
GROUND WATER OBSERVATIONS	SIZE I.D. <u>4 1/4"</u>	<u>1 3/8"</u>		DATE FINISH <u>8/21/23</u>
AT <u>4</u> FT AFTER <u>0</u> HOURS	HAMMER WT. <u>140#</u>	<u>BIT</u>		SURFACE ELEV.
AT <u> </u> FT AFTER <u> </u> HOURS	HAMMER FALL <u>30"</u>			GROUND WATER ELEV.

DEPTH	CASING BLOWS PER FOOT	SAMPLE					BLOWS PER 6 IN ON SAMPLER (FORCE ON TUBE) 0 - 6 6 - 12 12- 18			CORE TIME PER FT (MIN)	DENSITY OR CONSIST	STRATA CHANGE DEPTH	FIELD IDENTIFICATION OF SOIL REMARKS INCL. COLOR, LOSS OF WASH WATER, SEAMS IN ROCK, ETC.
		NO	Type	PEN	REC.	DEPTH @ BOT							
											MOIST	ELEV	
5		1	ss	24"	18"	2'0"	4	5			compact moist	4"	Asphalt Brn F-C sand, some silt, lit F-C gravel
							6	5					
10		2	ss	24"	10"	7'0"	10	9			compact wet		Brn F sand, some silt, lit F-C gravel
							9	11					
15		3	ss	14"	12"	11'2"	47	39			v dense wet	10'6"	Brn F-M sand, some F-C gravel, some silt
							50'2"					12'5"	Weathered Bedrock Auger Refusal
													EOB 12'5"
20													
25													
30													
35													
40													

NOTE: Subsoil conditions revealed by this investigation represent conditions at specific locations and may not represent conditions at other locations or times.

GROUND SURFACE TO <u> </u> FT. USED <u> </u> CASING THEN <u> </u> CASING TO <u> </u> FT.	HOLE NO. B-1
A = AUGER UP = UNDISTURBED PISTON T = THINWALL V = VANE TEST WOR = WEIGHT OF RODS WOH = WEIGHT OF HAMMER & RODS C = COARSE SS = SPLIT TUBE SAMPLER H.S.A. = HOLLOW STEM AUGER M = MEDIUM PROPORTIONS USED: TRACE = 0 - 10% LITTLE = 10 - 20% SOME = 20 - 35% AND = 35 - 50% F = FINE	

SOILTESTING, INC. 90 DONOVAN RD. OXFORD, CT 06478 CT (203) 262-9328 NY (914) 946-4850		CLIENT: <u>Gisondi Engineering</u>				SHEET <u>1</u> OF <u>1</u>			
		PROJECT NO. <u>G158-2608-23</u>				HOLE NO. <u>B-2</u>			
		PROJECT NAME <u>Proposed 2-Story Building</u>				BORING LOCATIONS Per Plan			
FOREMAN - DRILLER JK/mk		LOCATION <u>Lightbridge Academy</u> <u>26 Legion Dr., Valhalla NY</u>							
INSPECTOR		CASING SAMPLER CORE BAR TYPE HSA SS SIZE I.D. 4 1/4" 1 3/8" HAMMER WT. 140# BIT HAMMER FALL 30"				OFFSET DATE START 8/21/23 DATE FINISH 8/21/23 SURFACE ELEV. GROUND WATER ELEV.			
GROUND WATER OBSERVATIONS AT 4_FT AFTER 0_HOURS AT ___FT AFTER ___HOURS									

DEPTH	CASING BLOWS PER FOOT	SAMPLE						BLOWS PER 6 IN ON SAMPLER (FORCE ON TUBE) 0 - 6 6 - 12 12- 18		CORE TIME PER FT (MIN)	DENSITY OR CONSIST	STRATA CHANGE DEPTH	FIELD IDENTIFICATION OF SOIL REMARKS INCL. COLOR, LOSS OF WASH WATER, SEAMS IN ROCK, ETC.
		NO	Type	PEN	REC.	DEPTH @ BOT							
		MOIST	ELEV										
5		1	ss	24"	20"	2'0"	7	5		compact moist	4"	Asphalt Brn F-C sand, lit F-C gravel, lit silt	
						5	4						
										compact wet			Brn F sand, lit F-C gravel, some silt
		2	ss	24"	18"	7'0"	9	7					
						7	9						
10										compact wet		Same	
		3	ss	24"	20"	12"	9	7					
							8	7					
15											14'	Auger Refusal	
20												EOB 14'	
25													
30													
35													
40													

NOTE: Subsoil conditions revealed by this investigation represent conditions at specific locations and may not represent conditions at other locations or times.

GROUND SURFACE TO _____ FT. USED _____ CASING THEN _____ CASING TO _____ FT.		HOLE NO. B-2
A = AUGER UP = UNDISTURBED PISTON T = THINWALL V = VANE TEST WOR = WEIGHT OF RODS WOH = WEIGHT OF HAMMER & RODS C = COARSE SS = SPLIT TUBE SAMPLER H.S.A. = HOLLOW STEM AUGER M = MEDIUM PROPORTIONS USED: TRACE = 0 - 10% LITTLE = 10 - 20% SOME = 20 - 35% AND = 35 - 50% F = FINE		

SOILTESTING, INC. 90 DONOVAN RD. OXFORD, CT 06478 CT (203) 262-9328 NY (914) 946-4850		CLIENT: Gisondi Engineering		SHEET 1 OF 1								
		PROJECT NO. G158-2608-23		HOLE NO. B-3								
		PROJECT NAME Proposed 2-Story Building		(offset location)								
FOREMAN - DRILLER JK/mk		LOCATION Lightbridge Academy 26 Legion Dr., Valhalla NY		BORING LOCATIONS Per Plan								
INSPECTOR		TYPE		OFFSET								
GROUND WATER OBSERVATIONS		SIZE I.D.		DATE START 8/21/23								
AT none_FT AFTER 0_HOURS		HAMMER WT.		DATE FINISH 8/21/23								
AT FT AFTER_HOURS		HAMMER FALL		SURFACE ELEV.								
				GROUND WATER ELEV.								
DEPTH	CASING BLOWS PER FOOT	SAMPLE					BLOWS PER 6 IN ON SAMPLER (FORCE ON TUBE) 0 - 6 6 - 12 12 - 18		CORE TIME PER FT (MIN)	DENSITY OR CONSIST	STRATA CHANGE DEPTH	FIELD IDENTIFICATION OF SOIL REMARKS INCL. COLOR, LOSS OF WASH WATER, SEAMS IN ROCK, ETC.
		NO	Type	PEN	REC.	DEPTH @ BOT						
5		1	ss	24"	14"	2'0"	6	6		compact dry	2"	Asphalt Brn F sand, lit F-C gravel, some silt, trace cobbles
							4	3				
10		2	ss	24"	10"	7'0"	4	6		compact dry		Brn F-C sand, lit F-C gravel, trace cobbles
							11	19				
15											9'	Auger Refusal
20												EOB 9'
25												
30												
35												
40												

NOTE: Subsoil conditions revealed by this investigation represent conditions at specific locations and may not represent conditions at other locations or times.

GROUND SURFACE TO FT. USED CASING THEN CASING TO FT.

HOLE NO. B-3

A = AUGER UP = UNDISTURBED PISTON T = THINWALL V = VANE TEST

WOR = WEIGHT OF RODS WOH = WEIGHT OF HAMMER & RODS

SS = SPLIT TUBE SAMPLER H.S.A. = HOLLOW STEM AUGER

PROPORTIONS USED: TRACE = 0 - 10% LITTLE = 10 - 20% SOME = 20 - 35% AND = 35 - 50%

C = COARSE

M = MEDIUM

F = FINE

SOILTESTING, INC. 90 DONOVAN RD. OXFORD, CT 06478 CT (203) 262-9328 NY (914) 946-4850		CLIENT: <u>Gisondi Engineering</u>		SHEET <u>1</u> OF <u>1</u>							
		PROJECT NO. <u>G158-2608-23</u>		HOLE NO. <u>B-4</u>							
		PROJECT NAME <u>Proposed 2-Story Building</u>		BORING LOCATIONS Per Plan							
FOREMAN - DRILLER <u>JK/mk</u>		LOCATION <u>Lightbridge Academy</u> <u>26 Legion Dr., Valhalla NY</u>									
INSPECTOR		TYPE		OFFSET							
GROUND WATER OBSERVATIONS		SIZE I.D.		DATE START <u>8/21/23</u>							
AT <u>7</u> FT AFTER <u>0</u> HOURS		HAMMER WT.		DATE FINISH <u>8/21/23</u>							
AT <u> </u> FT AFTER <u> </u> HOURS		HAMMER FALL		SURFACE ELEV.							
				GROUND WATER ELEV.							
DEPTH	CASING BLOWS PER FOOT	SAMPLE					BLOWS PER 6 IN ON SAMPLER (FORCE ON TUBE) 0 - 6 6 - 12 12- 18	CORE TIME PER FT (MIN)	DENSITY OR CONSIST	STRATA CHANGE DEPTH	FIELD IDENTIFICATION OF SOIL REMARKS INCL. COLOR, LOSS OF WASH WATER, SEAMS IN ROCK, ETC.
		NO	Type	PEN	REC.	DEPTH @ BOT					
5										4"	Asphalt
		1	ss	24"	14"	7'0"	8	6	compact		
10									v moist/wet	7'	Brn F-C sand, lit F-C gravel
15											
20											
25											
30											
35											
40											
NOTE: Subsoil conditions revealed by this investigation represent conditions at specific locations and may not represent conditions at other locations or times.											
GROUND SURFACE TO _____ FT. USED _____ CASING THEN _____ CASING TO _____ FT. HOLE NO. <u>B-4</u>											
A = AUGER UP = UNDISTURBED PISTON T = THINWALL V = VANE TEST											
WOR = WEIGHT OF RODS WOH = WEIGHT OF HAMMER & RODS C = COARSE											
SS = SPLIT TUBE SAMPLER H.S.A. = HOLLOW STEM AUGER M = MEDIUM											
PROPORTIONS USED: TRACE = 0 - 10% LITTLE = 10 - 20% SOME = 20 - 35% AND = 35 - 50% F = FINE											

