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STATE OF NEW YORK
OFFICE OF GENERAL SERVICES
DESIGN AND CONSTRUCTION GROUP
THE GOVERNOR NELSON A. ROCKEFELLER
EMPIRE STATE PLAZA
ALBANY, NY 12242

ADDENDUM NO. 3 TO PROJECT NO. 44867

CONSTRUCTION, HVAC, PLUMBING AND ELECTRICAL WORK
ADDITION TO DEMENTIA UNIT, MONTROSE VETERANS HOME
2090 ALBANY POST ROAD
MONTROSE, NY 10548

January 8, 2014

NOTE: This Addendum forms a part of the Contract Documents. Insert it in the Project Manual. Acknowledge receipt of this Addendum in the space provided on the Bid Form.

BIDDING REQUIREMENTS:

1 Document 003132 GEOTECHNICAL DATA: Add the accompanying document (pages 003132-1 through 003132-8) to the Project Manual.

CONTRUCTION WORK DRAWINGS:

2 Drawing No. S-001;
   a. Add the following note to this drawing:

GEOTECHNICAL NOTES:

1. IN GENERAL, THE SUBSURFACE CONDITIONS WILL CONSIST OF THREE TO SIX INCHES OF TOPSOIL. UNDERLAIN BY EIGHT TO NINE FEET OF GRANULAR FILL CONSISTING OF FINE TO COURSE SAND AND/OR GRAVEL THAT CONTAINS LITTLE TO SOME AMOUNTS OF SILT AND TRACE AMOUNTS OF ORGANICS. THIS FILL VARIES FROM FIRM TO COMPACT IN RELATIVE DENSITY AND IS UNDERLAIN BY A NATIVE, DEPOSIT OF SILTY SAND THAT IS COMPACT IN RELATIVE DENSITY AND CONTAINS COBBLES AND BOULDERS EMBEDDED THROUGHOUT ITS DEPTH.
2. CONVENTIONAL SPREAD FOUNDATIONS AND A FLOOR SLAB THAT BEARS ON-GRADE ARE ADEQUATE TO SUPPORT THE PROPOSED ADDITION. DUE TO THE FILL SOILS ADDITIONAL WORK AND CLOSE INSPECTION OF THE EXPOSED GRADES IS REQUIRED TO PROVIDE ADEQUATE SUBGRADE ELEVATIONS AND FOUNDATION BEARING GRADES. THIS WORK IS PRESENTED BELOW (NOTES 2A THROUGH 2D), AND ARE BASED ON THE SUBSURFACE INVESTIGATION AND GEOTECHNICAL EVALUATION PREPARED BY ATL ENGINEERING OF CANTON, NEW YORK, DATED JUNE 27, 2012.

2A. ALL EARTHWEORK OPERATIONS, AND PREPARATION OF THE SUBGRADE AND FOUNDATIONM BEARING GRADES SHALL BE MONITORED ON A FULL TIME BASIS

BY THE DIRECTOR'S REPRESENTATIVE. NO EARTHWORK SHALL BE PERFORMED PRIOR TO THE DIRECTOR'S REPRESENTATIVE BEING ON-SITE.

2B. *FLOOR SLAB:* ALL EXISTING SOILS BENEATH THE FOOTPRINT OF THE NEW ADDITION SHALL BE REMOVED TO THE DEPTH REQUIRED TO PROVIDE A MINIMUM OF FOUR FEET OF IMPORTED MATERIAL BENEATH THE CONCRETE SLAB. THIS FOUR FEET OF MATERIAL SHALL CONSIST OF THE SPECIFIED SUB-BASE MATERIAL INDICATED AND SELECT FILL THAT IS IMPORTED TO THE PROJECT SITE FROM AN APPROVED SOURCE.

2C. *FILL PLACEMENT BENEATH FLOOR SLAB:*

A. UPON THE REMOVAL OF THE EXISTING SOILS (NOTE 2B), THE EXPOSED GRADES SHALL BE PROOF-ROLLED AND COMPACTED TO THE 95 PERCENT DENSITY SPECIFICATION. ANY AREAS THAT PUMP OR WEAVE, SHALL BE UNDERCUT TO A DEPTH OF TWELVE INCHES AND BE RE-ESTABLISHED WITH SELECT FILL COMPACTED TO THE 95 PERCENT DENSITY SPECIFICATION.

B. ESTABLISH SUBGRADE ELEVATION OF THE ADDITIONS FLOOR SLAB WITH SELECT FILL THAT IS PLACED IN MAXIMUM LOOSE DEPTH THICKNESSES OF EIGHT INCHES OR LESS, AND EACH LIFT COMPACTED TO THE 95 PERCENT DENSITY SPECIFICATION.

2D. *FOUNDATION BEARING GRADES:* ALL FOUNDATION BEARING GRADES MUST BE ESTABLISHED AT A DEPTH THAT IS SIX FEET (MINIMUM) BELOW THE EXISTING SITE GRADES. ONCE ESTABLISHED THE EXPOSED BEARING GRADE SHALL BE VISUALLY INSPECTED BY THE DIRECTOR'S REPRESENTATIVE AND, UNLESS DIRECTED OTHERWISE, SHALL BE COMPACTED TO THE 95 PERCENT DENSITY SPECIFICATION WITH A WACKER DPU 6055 VIBRATORY PLATE TAMPER OR EQUIVALENT.

3. EXCAVATED ON-SITE SOILS MAY BE USED TO BACKFILL THE EXTERIOR SIDE OF THE FOUNDATION WALLS PROVIDED THEY ARE FREE OF ALL ORGANIC MATERIAL AND CULLED OF PARTICLES GREATER THAN FOUR INCHES IN SIZE. THIS MATERIAL WILL NOT BE PERMITTED WITHIN THE INTERIOR SIDE OF THE FOUNDATION (BENEATH FLOOR SLAB) OF THE NEW ADDITION.

4. WALLS SHALL BE TEMPORALLY BRACED AGAINST EARTH PRESSURE AND OTHER FORCES UNTIL SLABS BEAMS AND OTHER MEMBERS DESIGNED TO BRACE THE FINISHED STRUCTURE HAVE BEEN IN PLACE AND HAVE ATTAINED REQUIRED CONCRETE STRENGTH.

3 Drawing No. S-002; DETAIL 7/S-002, TYPICAL SLAB-ON-GRADE: Delete the Note of this detail that references OGS Memorandum dated Feb. 15th, 2012.

END OF ADDENDUM

James Dirolf, P.E.
Director of Design

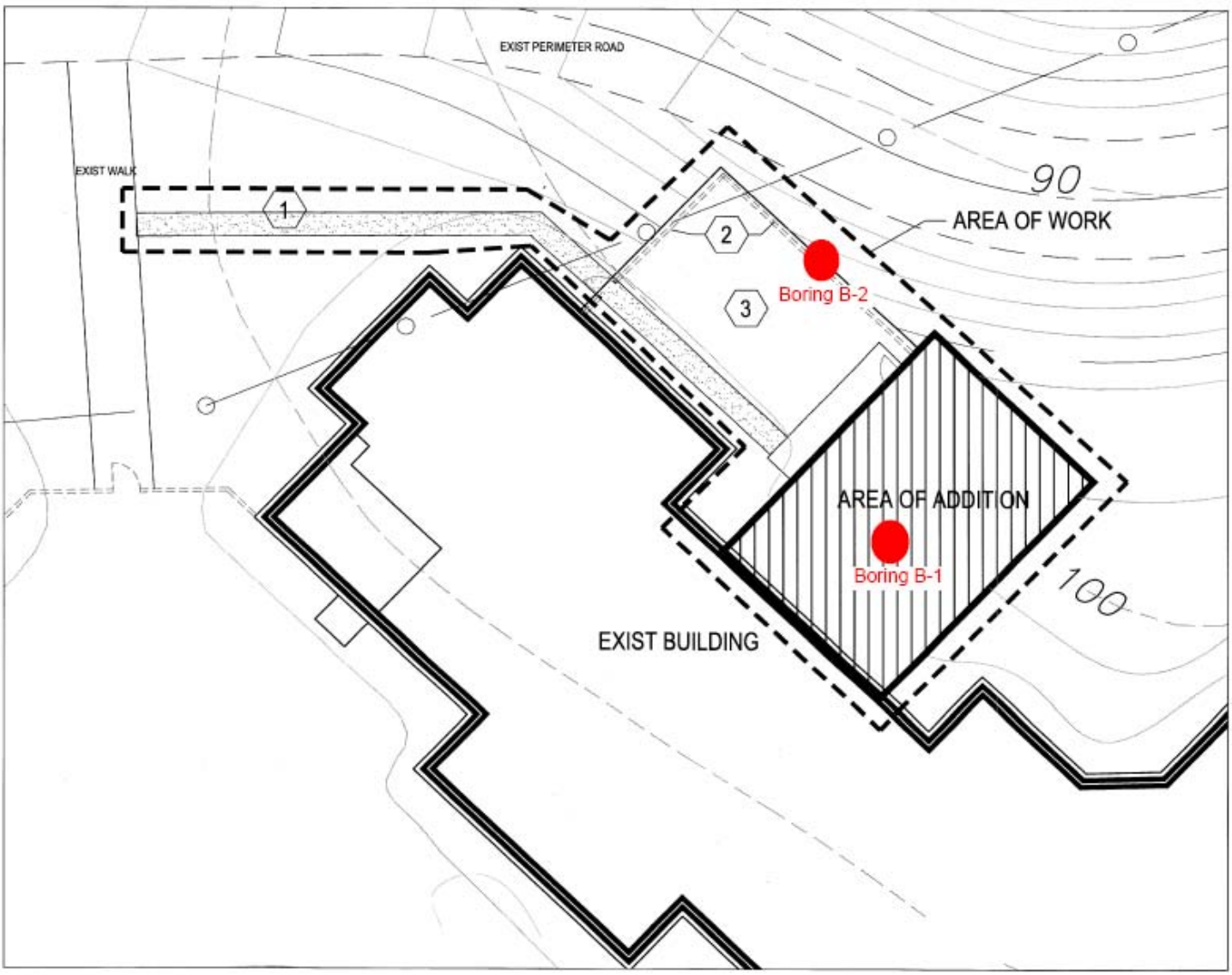
DOCUMENT 003132

GEOTECHNICAL DATA

The subsurface investigation for this project was performed on June 6, 2012 and included the advancement of two test borings. Both test borings were advanced utilizing a Central Mine Equipment (CME) Model 45 trailer-mounted drill rig utilizing 4¼ inch inside diameter hollow stem augers and tri-cone, roller bit. ATL of Canton, New York monitored the advancement of the test borings, and prepared the Subsurface Exploration Logs included within this document. A test boring location plan is also included herein.

The observed water levels and/or conditions noted on the subsurface logs are as recorded at the time of exploration. These water levels and/or conditions may vary considerably with time, according to the prevailing climate, rainfall, or other factors and are otherwise dependent on the duration of and method used in the explorations program.

This information was prepared and is intended for State design and estimate purposes only. Its presentation is for the purpose of providing intended users with access to the same information available to the State. These subsurface logs are presented in good faith and are not intended as a substitute for personal investigation, independent interpretations, or judgment of the bidders.



BORING LOCATION PLAN

Scale	Project No.	Date
Not to Scale	AE067	June 2012

Proposed Building Addition
Montrose Veteran's Home
Hamlet of Montrose, Westchester County, New York
AE Report No. AE067E-01-06-12

ATLANTIC TESTING LABORATORIES, Limited
Albany, NY Binghamton, NY Canton, NY Elmira, NY Plattsburgh, NY
Poughkeepsie, NY Rochester, NY Syracuse, NY Utica, NY Watertown, NY

ATLANTIC TESTING LABORATORIES, Limited

Subsurface Investigation

Report No.: **CD3409E-01-06-12**

Client: **ATL Engineering**

Boring Location: **See Boring Location Plan**

Project: **Subsurface Investigation**

Proposed Building Addition- Montrose Veteran's Home

Montrose, New York

Start Date: **6/6/2012** Finish Date: **6/6/2012**

Boring No.: **B-1** Sheet **1** of **2**

Groundwater Observations

Date	Time	Depth	Casing
6/6/2012	11:30AM	DRY	4.0'
6/6/2012	11:50 AM	7.3'	10.0'
6/6/2012	3:40 PM	*6.7'	CAVED
6/7/2012	4:00 PM	15.5'	TOW @ 18'

Coordinates

Northing

Easting

Sampler Hammer

Weight: **140** lbs.

Fall: **30** in.

Hammer Type: **Automatic**

Ground Elev.: **111.5'**

Boring Advance By: **4 1/4" Auger/ Wet Rotary**

Borehole caved at 18 feet.* May be affected by drill water.

DEPTH	METHOD OF ADVANCE	SAMPLE NO.	DEPTH OF SAMPLE From	DEPTH OF SAMPLE To	SAMPLE TYPE	BLOWS ON SAMPLER PER 6" 2" O.D. SAMPLER	DEPTH OF CHANGE	CLASSIFICATION OF MATERIAL	Recovery (Inches)
								f - fine; m - medium; c - coarse; and - 35-50%; some - 20-35%; little - 10-20%; trace - 0-10%	
1	AUGERS	1	0.0	2.0	SS	2 2 4 8	0.3	3" TOPSOIL & ORGANIC MATERIALS	12
2							2.0	Brown cmf SAND; some SILT; some cmf GRAVEL; trace ORGANIC MATERIAL (root hairs) (moist, non-plastic) FILL	
3		2	2.0	4.0	SS	10 15 15 18		Brown mf GRAVEL; and cmf SAND; little SILT (moist, non-plastic) Rock Fragments FILL w=7.3%	16
4		3	4.0	6.0	SS	16 10 10 6		Brown Similar Soils; trace ORGANIC MATERIAL (root hairs, non-plastic) FILL w=4.5%	19
6		4	6.0	8.0	SS	10 10 11 7		Brown Similar Soils (moist, non-plastic) FILL w=7.3%	2
9		5	8.0	10.0	SS	5 4 17 24	9.0	Brown cmf SAND; some SILT; little cmf GRAVEL; trace ORGANIC MATERIAL (root hairs) (saturated, non-plastic) w=8.1%	14
11		6	10.0	12.0	SS	12 18 48 47		Brown-Grey cmf SAND; some SILT; little cmf GRAVEL; trace ORGANIC MATERIAL (root hairs, wood fragments) (moist, non-plastic)	13
13		7	12.0	14.0	SS	25 17 17 19		Brown-Grey Similar Soils; no ORGANIC MATERIAL (moist, very slightly plastic)	2
14							14.0		
15	WET ROTARY	8	14.2	16.0	NX	RUN 1		Auger refusal at 14 feet. Advanced roller bit to 14.2' COBBLES & BOULDERS - 12" Recovery	12
17		8A	16.0	17.0	SS	12 18	17.0	Brown cmf SAND; little SILT; trace c GRAVEL (saturated, non-plastic)	12
		8B	17.0	17.8	SS	38 100/3"			6
19		9	19.0	19.3	SS	100/3"	20.0	Red-Brown cmf SAND; little SILT; little cmf GRAVEL; trace ORGANIC MATERIALS (root hairs) (wet, non-plastic) Grey ROCK fragments	3
20		10	20.0	25.0	NX	RUN 2		Advanced roller bit to 20'	45
21								Grey-Black DIORITE 45" or 75% Recovery 8 Pieces (35") - 22% chips & fragments 3 Pieces (19.8") - RQD=33% Fractured from 20.5' to 21.0'	
25							25.0		

SS Split Spoon Sample
NX Rock Core
SH Undisturbed Sample (Shelby Tube)
Estimated Groundwater

Drillers: **Mark Childs; Paul McAloon**

Inspector: **Matt Trodler**

ATL-LOG1 CD3409E-1 PROPOSED BUILDING ADDITION- MONTROSE, NY.GPJ LOG-WELL.GDT 6/27/12

ATLANTIC TESTING LABORATORIES, Limited

Subsurface Investigation

Boring No.: **B-1** Report No.: **CD3409E-01-06-12** Sheet **2** of **2**

DEPTH	METHOD OF ADVANCE	SAMPLE NO.	DEPTH OF SAMPLE From	DEPTH OF SAMPLE To	SAMPLE TYPE	BLOWS ON SAMPLER PER 6" 2" O.D. SAMPLER	DEPTH OF CHANGE	CLASSIFICATION OF MATERIAL	RECOVERY (inches)
								Boring terminated at 25 feet	
26									
27								Notes:	
28								1. Borehole backfilled with on-site soils	
29									
30									
31									
32									
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37									
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59									
60									
61									
62									

f - fine
m - medium
c - course

and - 35-50%
some - 20-35%
little - 10-20%
trace - 0-10%

ATL-LOG1 CD3409E-1 PROPOSED BUILDING ADDITION- MONTROSE, NY.GPJ LOG-WELL.GDT 6/27/12

ATLANTIC TESTING LABORATORIES, Limited

Subsurface Investigation

Report No.: **CD3409E-01-06-12**

Client: **ATL Engineering**

Boring Location: **See Boring Location Plan**

Project: **Subsurface Investigation**

2' South, 2.5' East of staked location

Proposed Building Addition- Montrose Veteran's Home

Montrose, New York

Start Date: **6/7/2012** Finish Date: **6/7/2012**

Boring No.: **B-2** Sheet **1** of **2**

Groundwater Observations

Date	Time	Depth	Casing
6/7/2012	10:20 AM	DRY	8.0'
6/7/2012	1:00 PM	DRY	17.5'
6/7/2012	2:30 PM	*2.5'	17.5'
6/7/2012	2:50 PM	*4.2'	CAVED

Coordinates

Northing

Easting

Sampler Hammer

Weight: **140** lbs.

Fall: **30** in.

Hammer Type: **Automatic**

Ground Elev.: **104.0'±**

Boring Advance By: **4 1/4" Auger/ Wet Rotary**

Borehole caved at 16.2'. *May be affected by drill water

DEPTH	METHOD OF ADVANCE	SAMPLE NO.	DEPTH OF SAMPLE From	DEPTH OF SAMPLE To	SAMPLE TYPE	BLOWS ON SAMPLER PER 6" 2" O.D. SAMPLER	DEPTH OF CHANGE	CLASSIFICATION OF MATERIAL	Recovery (Inches)
								f - fine; m - medium; c - coarse; and - 35-50%; some - 20-35%; little - 10-20%; trace - 0-10%	
1	AUGERS	1	0.0	2.0	SS	1 4 5 5	0.5	6" TOPSOIL & ORGANIC MATERIALS	13
2								Brown cmf SAND and cmf GRAVEL; little SILT (moist, non-plastic); trace ORAGNIC MATERIALS (roots, root hairs) FILL	
3		2	2.0	4.0	SS	6 17 19 20	2.5	Brown cmf GRAVEL; some cmf SAND; some SILT; trace ORGANIC MATERIALS (roots, root hairs) (moist, non-plastic) FILL w=6.3%	17
4									
5		3	4.0	6.0	SS	7 21 34 23		Brown Similar Soils; trace ORGANIC MATERIAL (root hairs) (moist, non-plastic) FILL w=13.7%	20
6									
7		4	6.0	8.0	SS	20 17 18 17		Brown Similar Soils (moist, non-plastic) FILL w=9.0%	9
8							8.0	Cobbles encountered at 6 feet	
9		5	8.0	10.0	SS	6 10 13 15		Brown mf SAND; some SILT; little mf GRAVEL; trace CLAY; trace ORGANIC MATERIAL (root hairs) (moist, non-plastic)	18
10		6	10.0	12.0	SS	16 14 15 14		Brown Similar Soils (moist, non-plastic)	24
11									
12									
13									
14									
15		7	15.0	17.0	SS	12 9 12 14		ROCK fragments lodged in shoe	1
16								COBBLES encountered at 15 feet.	
17							17.5		
18	WET ROTARY	8	17.5	19.5	SS	6 75 21 14		Auger refusal at 17.5'. Advanced split spoon to 19.5 feet. Tan f SAND; some SILT (moist, non-plastic)	12
19									
20		9	19.5	21.5	SS	11 16 13 14		NX Core advanced to 19.5 feet with no recovery	12
21								Brown cmf SAND; some cmf GRAVEL; little SILT (wet, non-plastic)	
22		10	21.5	22.3	SS	20 100/3"	22.3	Brown Similar Soils (wet, non-plastic) ROCK fragments	7
23								Boring terminated at 22.3'	
24								Notes:	
25									

SS Split Spoon Sample
NX Rock Core
SH Undisturbed Sample (Shelby Tube)
Estimated Groundwater

Drillers: **Mark Childs; Paul McAloon**

Inspector: **Matt Trodler**

ATL-LOG1 CD3409E-1 PROPOSED BUILDING ADDITION- MONTROSE, NY.GPJ LOG-WELL.GDT 6/27/12

ATLANTIC TESTING LABORATORIES, Limited

Subsurface Investigation

Boring No.: **B-2** Report No.: **CD3409E-01-06-12** Sheet **2** of **2**

DEPTH	METHOD OF ADVANCE	SAMPLE NO.	DEPTH OF SAMPLE From	DEPTH OF SAMPLE To	SAMPLE TYPE	BLOWS ON SAMPLER PER 6" 2" O.D. SAMPLER	DEPTH OF CHANGE	CLASSIFICATION OF MATERIAL	RECOVERY (inches)
								f - fine and - 35-50% m - medium some - 20-35% c - course little - 10-20% trace - 0-10%	
								1. Borehole backfilled with on-site soils	

ATL-LOG1 CD3409E-1 PROPOSED BUILDING ADDITION- MONTROSE, NY.GPJ LOG-WELL.GDT 6/27/12

ATLANTIC TESTING LABORATORIES

Particle Size Distribution Report

Project: Proposed Building Addition **Report No.:** CD3409SL-02-06-12

Client: ATL Engineering **Date:** 06-12-12

Sample No: CD3409S02 **Source of Sample:** Boring B-1, Split Spoon S-3

Location: In-situ **Elev./Depth:** 4.0'-6.0'

% COBBLES	% GRAVEL		% SAND			% FINES	
	CRS.	FINE	CRS.	MEDIUM	FINE	SILT	CLAY
0	21	25	10	14	14	16	

SIEVE SIZE	PERCENT FINER	SPEC.* PERCENT	OUT OF SPEC. (X)
1.00 in.	100		
0.75 in.	79		
0.50 in.	72		
0.375 in.	66		
0.25 in.	59		
#4	54		
#10	44		
#20	36		
#30	33		
#40	30		
#50	28		
#100	22		
#200	16		

Soil Description

Brown mf GRAVEL; and cmf SAND; little SILT

Atterberg Limits

PL= --- LL= --- PI= ---

Coefficients

D_{85}= 21.1 D_{60}= 6.76 D_{50}= 3.58

D_{30}= 0.425 D_{15}= D_{10}=

C_u= C_c=

Classification

USCS= --- AASHTO= ---

Remarks

* The split spoon sampler does not recover particles larger than 1 3/8". The results may not be representative of the entire in-situ soil matrix. Natural Moisture Content: 4.5%

* (no specifica

Figure

ATLANTIC TESTING LABORATORIES, LIMITED

Reviewed by: _____ Date: 6/27/2012

ATLANTIC TESTING LABORATORIES

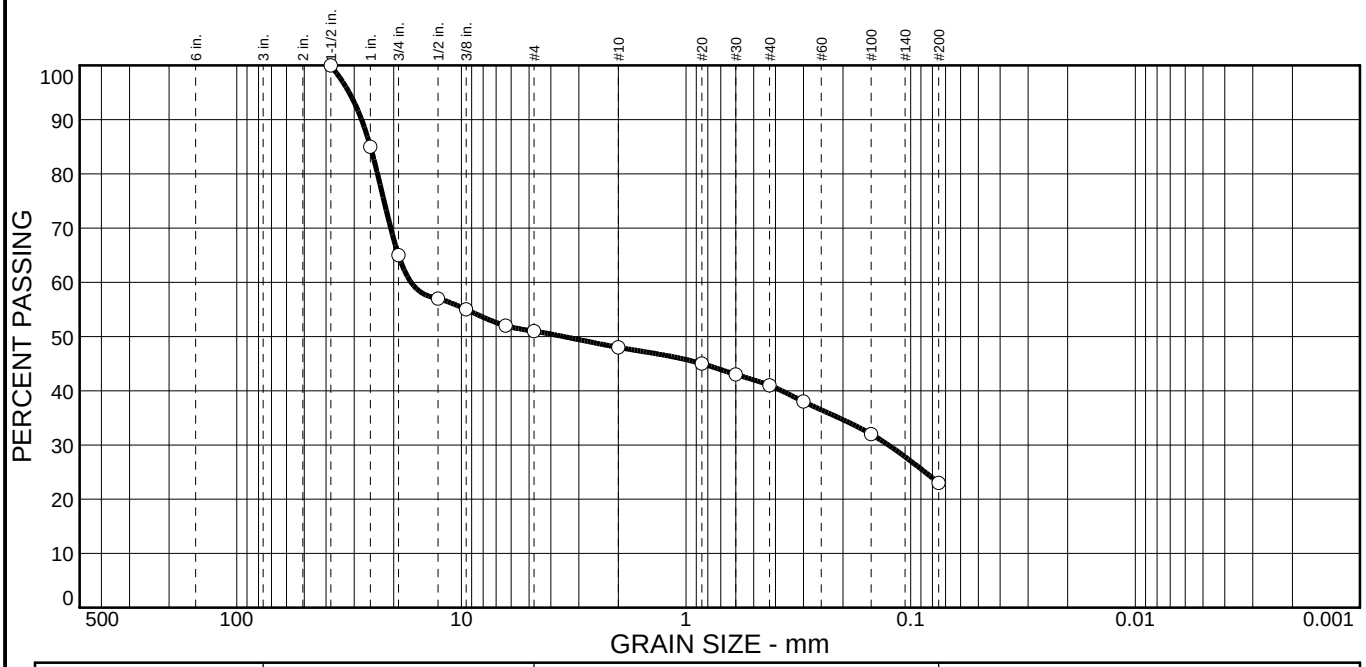
Particle Size Distribution Report

Project: Proposed Building Addition **Report No.:** CD3409SL-05-06-12

Client: ATL Engineering **Date:** 06-12-12

Sample No: CD3409S05 **Source of Sample:** Boring B-2, Split Spoon S-4

Location: In-situ **Elev./Depth:** 6.0'-8.0'



% COBBLES	% GRAVEL		% SAND			% FINES	
	CRS.	FINE	CRS.	MEDIUM	FINE	SILT	CLAY
0	35	14	3	7	18	23	

SIEVE SIZE	PERCENT FINER	SPEC.* PERCENT	OUT OF SPEC. (X)
1.50 in.	100		
1.00 in.	85		
0.75 in.	65		
0.50 in.	57		
0.375 in.	55		
0.25 in.	52		
#4	51		
#10	48		
#20	45		
#30	43		
#40	41		
#50	38		
#100	32		
#200	23		

Soil Description

Brown cmf GRAVEL; some cmf SANDl; some SILT

Atterberg Limits

PL= --- LL= --- PI= ---

Coefficients

D_{85}= 25.4 D_{60}= 16.7 D_{50}= 3.50

D_{30}= 0.126 D_{15}= D_{10}=

C_u= C_c=

Classification

USCS= --- AASHTO= ---

Remarks

* The split spoon sampler does not recover particles larger than 1 3/8". The results may not be representative of the entire in-situ soil matrix. Natural Moisture Content: 9.0%

* (no specifica

Figure

ATLANTIC TESTING LABORATORIES, LIMITED

Reviewed by: _____ Date: 6/27/2012