Community Development Block Grant Disaster Recovery Program (CDBG-DR)
Owner Occupied Rehabilitation and Rebuilding Program (OORR)

(#2416) 2 SCOTT STREET, MILFORD, CT

Addendum # 03
October 23, 2015

Clarification

1. Attached is the test boring report.
2. The drawings indicate Carpet in the Bedroom & Bedroom Closet. Attached is the Specification for Sheet Carpeting.
3. The existing chain-link fence on the property is to be disposed of during demolition.
4. Dewatering is part of the contract.

END OF ADDENDUM #2

SECTION 096816 - SHEET CARPETING

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

A. The Contractor, Subcontractors and/or suppliers providing goods or services referenced in or related to this Section shall also be bound by the Documents identified in Division 01 Section “Summary”, Paragraph 1.1A, entitled “Related Documents.”

1.2 SUMMARY

A. Section Includes:

1. Broadloom carpet.
2. Carpet cushion.

1.3 PREINSTALLATION MEETINGS

A. Preinstallation Conference: Conduct conference at Project site.

1. Review methods and procedures related to carpet installation including, but not limited to, the following:

    a. Review delivery, storage, and handling procedures.
    b. Review ambient conditions and ventilation procedures.
    c. Review subfloor preparation procedures.

1.4 ACTION SUBMITTALS

A. Product Data: For the following, including installation recommendations for each type of substrate:

1. Carpet: For each type indicated. Include manufacturer's written data on physical characteristics, durability, and fade resistance.

B. Shop Drawings: Show the following:

1. Columns, doorways, enclosing walls or partitions, built-in cabinets, and locations where cutouts are required in carpet.
2. Carpet type, color, and dye lot.
3. Locations where dye lot changes occur.
4. Seam locations, types, and methods.
5. Type of subfloor.
6. Type of installation.
7. Pattern type, repeat size, location, direction, and starting point.
8. Pile direction.
9. Type, color, and location of insets and borders.
10. Type, color, and location of edge, transition, and other accessory strips.
11. Transition details to other flooring materials.

12. Type of carpet cushion.

C. Samples: For each of the following products and for each color and texture required. Label each Sample with manufacturer's name, material description, color, pattern, and designation indicated on Drawings and in schedules.

1. Carpet: 12-inch-square Sample.
2. Transition and Other Accessory Stripping: 12-inch-long Samples.
3. Carpet Cushion: 6-inch- square Sample.
4. Carpet Seam: 6-inch Sample.

1.5 INFORMATIONAL SUBMITTALS

A. Qualification Data: For qualified Installer.

B. Product Test Reports: For carpet and carpet cushion, for tests performed by a qualified testing agency.

C. Sample Warranties: For special warranties.

1.6 CLOSEOUT SUBMITTALS

A. Maintenance Data: For carpet to include in maintenance manuals. Include the following:

1. Methods for maintaining carpet, including cleaning and stain-removal products and procedures and manufacturer's recommended maintenance schedule.
2. Precautions for cleaning materials and methods that could be detrimental to carpet and carpet cushion.

1.7 QUALITY ASSURANCE

A. Fire-Test-Response Ratings: Where indicated, provide carpet identical to those of assemblies tested for fire response per NFPA 253 by a qualified testing agency.

B. Mockups: Build mockups to verify selections made under Sample submittals and to demonstrate aesthetic effects and set quality standards for fabrication and installation.

1. Build mockups at locations and in sizes shown on Drawings.
2. Subject to compliance with requirements, approved mockups may become part of the completed Work if undisturbed at time of Substantial Completion.

1.8 DELIVERY, STORAGE, AND HANDLING

A. Comply with CRI 104.

1.9 FIELD CONDITIONS

A. Comply with CRI 104 for temperature, humidity, and ventilation limitations.

B. Environmental Limitations: Do not deliver or install carpet until spaces are enclosed and weathertight, wet work in spaces is complete and dry, and ambient temperature and humidity conditions are maintained at occupancy levels during the remainder of the construction period.

1.10 WARRANTY

A. Special Warranty for Carpet: Manufacturer agrees to repair or replace components of carpet installation that fail in materials or workmanship within specified warranty period.

1. Warranty does not include deterioration or failure of carpet due to unusual traffic, failure of substrate, vandalism, or abuse.
2. Failures include, but are not limited to, more than 10 percent loss of face fiber, edge raveling, snags, runs, loss of tuft bind strength, excess static discharge, and delamination.
3. Warranty Period: 10 years from date of Substantial Completion.

B. Special Warranty for Carpet Cushion: Manufacturer agrees to repair or replace components of carpet cushion installation that fail in materials or workmanship within specified warranty period.

1. Warranty includes removal and replacement of carpet and accessories required by replacement of carpet cushion.
2. Warranty does not include deterioration or failure of carpet cushion due to unusual traffic, failure of substrate, vandalism, or abuse.
3. Failure includes, but is not limited to, permanent indentation or compression.
4. Warranty Period: Lifetime.

PART 2 - PRODUCTS

2.1 TUFTED CARPET

A. Basis-of-Design Product: Subject to compliance with requirements, provide **STAINMASTER Active Family Oak Grove 4144** or comparable product by approved equal.

1. Color: As selected by Architect / Owner from manufacturer’s full range for style indicated.
2. Pile Characteristic: Cut and loop.
3. Fiber Type: Nylon.
4. Face Weight: 40 oz/sq. yd.
5. Size: 12 ft.

2.2 CARPET CUSHION

A. Polyurethane-Foam Cushion:

1. Thickness: 11.9 mm.
2. Weight: 1.65 lbs.
3. Basis of Design Product: Leggett & Platt Foam Carpet Padding.

2.3 INSTALLATION ACCESSORIES

A. Tackless Carpet Stripping: Water-resistant plywood, in strips as required to match cushion thickness and that comply with CRI's "CRI Carpet Installation Standard."

B. Seam Adhesive: Hot-melt adhesive tape or similar product recommended by carpet manufacturer for sealing and taping seams and butting cut edges at backing to form secure seams and to prevent pile loss at seams.

C. Metal Edge/Transition Strips: Extruded aluminum with mill finish of profile and width shown, of height required to protect exposed edge of carpet, and of maximum lengths to minimize running joints.

PART 3 - EXECUTION

3.1 EXAMINATION

A. Examine substrates, areas, and conditions, with Installer present, for compliance with requirements for maximum moisture content, alkalinity range, installation tolerances, and other conditions affecting carpet performance. Examine carpet for type, color, pattern, and potential defects.

B. Proceed with installation only after unsatisfactory conditions have been corrected.

3.2 PREPARATION

A. General: Comply with CRI 104, Section 7.3, "Site Conditions; Floor Preparation," and with carpet manufacturer's written installation instructions for preparing substrates.

B. Broom and vacuum clean substrates to be covered immediately before installing carpet.

3.3 INSTALLATION

A. Comply with CRI's "CRI Carpet Installation Standard" and carpet and carpet cushion manufacturers' written installation instructions for the following:

1. Stretch-in installation.

B. Comply with carpet manufacturer's written recommendations and Shop Drawings for seam locations and direction of carpet; maintain uniformity of carpet direction and lay of pile. At doorways, center seams under the door in closed position.

1. Stretch-in Carpet Installation: Install carpet cushion seams at 90-degree angle with carpet seams.

C. Cut and fit carpet to butt tightly to vertical surfaces, permanent fixtures, and built-in furniture including cabinets, pipes, outlets, edgings, thresholds, and nosings. Bind or seal cut edges as recommended by carpet manufacturer.

D. Extend carpet into toe spaces, door reveals, closets, open-bottomed obstructions, removable flanges, alcoves, and similar openings.

E. Maintain reference markers, holes, and openings that are in place or marked for future cutting by repeating on finish flooring as marked on subfloor. Use nonpermanent, nonstaining marking device.

F. Install pattern parallel to walls and borders to comply with CRI 104, Section 15, "Patterned Carpet Installations" and with carpet manufacturer's written recommendations.

3.4 CLEANING AND PROTECTING

A. Perform the following operations immediately after installing carpet:

1. Remove excess adhesive, seam sealer, and other surface blemishes using cleaner recommended by carpet manufacturer.
2. Remove yarns that protrude from carpet surface.
3. Vacuum carpet using commercial machine with face-beater element.

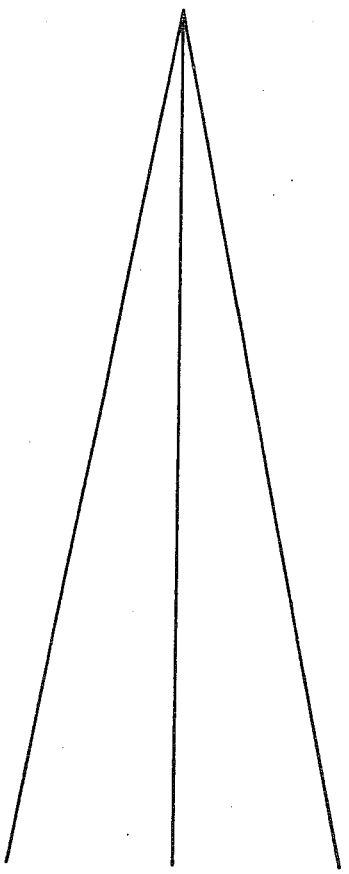
B. Protect installed carpet to comply with CRI 104, Section 16, "Protecting Indoor Installations."

C. Protect carpet against damage from construction operations and placement of equipment and fixtures during the remainder of construction period. Use protection methods indicated or recommended in writing by carpet manufacturer and carpet cushion manufacturer.

END OF SECTION 096816

SOILTESTING, INC.

TO ..... Quisenberry Arcari Architects, LLC ..... DATE ..... July 2, 2014 .....
ADDRESS ..... 2 Scott Street, Milford, CT .....
SITE LOCATION ..... Proposed Alterations to Raise House, 2 Scott Street, Milford, CT .....
REPORT SENT TO ..... Adam Tarfano, AIA .....
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.

G95-9723-14

Phone
(203) 262-9328

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(203) 264-3414

WHITE PLAINS, N.Y.
(914) 946-4850

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

July 2, 2014

Quisenberry Arcari Architects, LLC
2 Scott Street
Milford, CT
860-677-4594

Attn: Adam Tarfano, AIA

Re: Proposed Alterations to Raise House
2 Scott Street
Milford, CT

G95-9723-14

Dear Mr. Tarfano,

Enclosed are boring logs and location plan for the above referenced project site.

Also enclosed is a geotechnical report completed by The Geotechnical Department, LLC.

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

Very truly yours,
SOILTESTING, INC.

James A. DeAngelis
President

JAD:lg

SOILTESTING, INC. 56th ANNIVERSARY 1958 OXFORD, CT 2014

SOILTESTING, INC. 90 DONOVAN RD. OXFORD, CT 06478 CT (203) 262-9328 NY (914) 946-4850	CLIENT: Quisenberry Arcari Architects, LLC	SHEET 1 OF 2 HOLE NO. B-1
	PROJECT NO. G95-9523-14	
	PROJECT NAME 2 Scott Street	BORING LOCATIONS per sketch
FOREMAN - DRILLER TP/cm	LOCATION Milford, CT	
INSPECTOR		
GROUND WATER OBSERVATIONS AT 4 FT AFTER 0 HOURS AT __ FT AFTER __ HOURS	CASING / SAMPLER / CORE BAR TYPE: HSA / SS SIZE I.D.: 3 3/4" / 1 3/8" HAMMER WT.: 140# / BIT HAMMER FALL: 30"	OFFSET DATE START 6/6/14 DATE FINISH 6/6/14 SURFACE ELEV. GROUND WATER ELEV.

DEPTH	CASING BLOWS PER FOOT	SAMPLE NO	Type	PEN	REC.	DEPTH @ BOT	BLOWS PER 6 IN ON SAMPLER (FORCE ON TUBE) 0 - 6 / 6 - 12 / 12 - 18	CORE TIME PER FT (MIN)	DENSITY OR CONSIST / MOIST	STRATA CHANGE DEPTH / ELEV	FIELD IDENTIFICATION OF SOIL REMARKS INCL. COLOR, LOSS OF WASH WATER, SEAMS IN ROCK, ETC.
		1	ss	24"	4"	2'0"	6 / 6		dry	0"-2'	brn FM SAND, lt F gravel, silt, tr roots, ash (fill)
							9 / 4		compact		
		2	ss	24"	2"	4'0"	4 / 1		wet		brn FM sand, tr F gravel (fill)
							1 / 1		v soft	4'0"	
5		3	ss	24"	24"	6'0"	1/12" / –		wet		brn gry organic SILT, peat VF sand
							1 / 1		v soft		
		4	ss	24"	18"	8'0"	1 / 1		wet		
							8 / 6		loose	8'0"	gry MC SAND, lt F gravel, tr organics (peat)
		5	ss	24"	12"	10'0"	9 / 3		wet		gry FM SAND, lt C sand, tr F gravel, roots
10							4 / 3		loose		
		6	ss	24"	22"	12'0"	6 / 6		wet		gry VF SAND, tr roots
							6 / 8		compact		
15										15'0"	
		7	ss	24"	18"	17'0"	4 / 3		wet		gry organic SILT, tr VF sand, roots
							3 / 3		stiff		
20											
		8	ss	24"	24"	22'0"	4 / 5		wet		gry organic SILT, tr VF sand
							5 / 5		stiff		
25											
		9	ss	24"	24"	27'0"	1 / 2		wet		gry organic SILT, tr seashells
							2 / 2		soft		
		10	ss	24"	24"	30'0"	3 / 3		wet		
30							4 / 4		stiff		
											SAME
35											
		11	ss	24"	24"	37'0"	WOR / WOH		wet		gry organic SILT, tr seashells, FM sand
							2				
40										40'0"	

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-1**

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

C = COARSE M = MEDIUM F = FINE

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

SOILTESTING, INC. 90 DONOVAN RD. OXFORD, CT 06478 CT (203) 262-9328 NY (914) 946-4850	CLIENT: Quisenberry Arcari Architects, LLC	SHEET 2 OF 2 HOLE NO. B-1
	PROJECT NO. G95-9523-14	
	PROJECT NAME 2 Scott Street	BORING LOCATIONS per sketch
FOREMAN - DRILLER TP/cm	LOCATION Milford, CT	
INSPECTOR	CASING / SAMPLER / CORE BAR TYPE: HSA / SS SIZE I.D.: 3 3/4" / 1 3/8" HAMMER WT.: 140# / BIT HAMMER FALL: 30"	OFFSET DATE START 6/6/14 DATE FINISH 6/6/14 SURFACE ELEV. GROUND WATER ELEV.
GROUND WATER OBSERVATIONS AT 4 FT AFTER 0 HOURS AT __FT AFTER __HOURS		

DEPTH	CASING BLOWS PER FOOT	SAMPLE NO	Type	PEN	REC.	DEPTH @ BOT	BLOWS PER 6 IN ON SAMPLER (FORCE ON TUBE) 0 - 6 / 6 - 12 / 12 - 18	CORE TIME PER FT (MIN)	DENSITY OR CONSIST / MOIST	STRATA CHANGE DEPTH / ELEV	FIELD IDENTIFICATION OF SOIL REMARKS INCL. COLOR, LOSS OF WASH WATER, SEAMS IN ROCK, ETC.
		12	ss	24"	18"	42'0"	4 / 6 10 / 10		wet v stiff		gry red brn SILT
45		13	ss	24"	24"	47'0"	4 / 4 5 / 5		wet stiff		gry rd brn CLAY SILT, tr VF sand lenses
50		14	ss	24"	22"	52'0"	15 / 28 38 / 42		wet v dense		lt brn gry FM SAND, sm silt, tr clay
55		15	ss	24"	2"	57'0"	13 / 26 35 / 51		wet v dense		gry MC sand (loose) 56'-58' some cobbles
										58'0"	Auger refusal
60											E.O.B. 58'0"
65											
70											
75											
80											

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-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

JOB NO.
G95-9723-14
SOILTESTING, INC.
90 Donovan Road
Oxford, CT 06478

Geotechnical Engineering Report

by

The Geotechnical Department, LLC

for

Soiltesting, Inc.

Dated: June 25, 2014

Quisenbury Acari Architects, LLC.

G95-9723-14

The Geotechnical Department, LLC

Consulting Engineers

41 Blanche Avenue, Demarest, NJ 07627
201-784-4444 • Fax: 201-768-0222

June 25, 2014
Project No. 2053

Quisenberry Arcari Architects, LLC
318 Main Street
Farmington, Connecticut 06032

Attn: Adam Tarfano, AIA

Re: Geotechnical Engineering Report
Proposed Alterations to Raise House
2 Scott Street
Milford, Connecticut

This report is submitted as per our agreement with Soiltesting Inc. and the attached "Geotechnical Limitations." It includes our findings, conclusions and recommendations related to the design and construction for raising the house for future flood protection.

One (1) test boring was performed by Soiltesting, Inc. on June 6, 2014. The location plan and record sheet are attached as part of this report. This information was used in preparation of this report.

Based on our interpretation of field conditions and the scope of the project it was deemed unnecessary to perform laboratory soil tests to assist with the identification of soil and the evaluation of their engineering properties.

Subsurface conditions include soil fill consisting of sand with silt, gravel and ash to depth of four (4) feet. Very soft organic silt with peat then exists to a depth of eight (8) feet. Loose fine sand with roots continues the soil profile to a depth of fifteen (15) feet. Medium stiff to stiff organic silt with sand and sea shells then exists to a depth of forty (40) feet. Stiff silt and clay then exists to fifty (50) feet where very dense sand with silt is encountered to the maximum depth of exploration, fifty-eight (58) feet.

Water was observed at a depth of four (4) feet at the time the boring was completed.

The following were considered in developing the conclusions and recommendations of this report:

1. A rough sketch plan showing the house plan and boring location.
2. The proposed work is to raise the existing building foundation for flood protection.
3. Differential settlement should not be greater than three-quarters (3/4) of an inch across the house footprint.
4. Design and construction shall be in accordance with the Connecticut Building Code (Code).

The in-place sand and organic silt are not suitable for the support of conventional spread footings. Excavating to the depth of suitable soil to construct spread footings is not practical. Therefore, deep foundations are deemed an appropriate foundation. Drilled-in piles could be installed with the tips bearing in the undisturbed medium dense sand system below the in-place fill and organic silt. Driven piles are not an option due to equipment access issues.

The following geotechnical design and construction recommendations are offered:

1. Use drilled-in pile foundations for support of the existing and/or altered house foundation.
2. Tabulated below are design recommendations for several typical pile sections. The capacities refer to the soil/pile interaction, not the structural capacity of the section performing as a column.

Drilled-In Pile Type	Design Capacity (tons)	Installed Capacity* (tons)
Grouted Pipe: 7" diameter	17	20
Auger (Helical)	9	12
Resistance Pier	8	10

* *These values consider downdrag on the pile due to settlement of surrounding organics, silt and peat.*

3. The pile tips should penetrate to a minimum depth of forty-two (42) feet below the existing site grades.
4. One (1) drilled-in pile should be load-tested in accordance with the ASTM D1143 Standard prior to installing the production piles.

5. The piles should be delivered to the project under a design-test-install type agreement. The design, testing and installation should be performed under the direction of a licensed engineer with experience with this type of work.
6. The project structural and geotechnical engineer should review the design, test results and installation records.

We trust these recommendations will allow you to complete the design and construction of the alterations.

Very truly yours,
THE GEOTECHNICAL DEPARTMENT, LLC

Thomas H. Otto, P.E.

Attachments: Geotechnical Limitations
Boring Location Plan
Boring Record Sheet

Cc: Soiltesting Inc.

GEOTECHNICAL LIMITATIONS

Explorations

- The analyses and recommendations submitted in this report are based in part upon the data obtained from subsurface explorations. The nature and extent of variations between and apart from these explorations may not become evident until construction. If variations then appear evident, it will be necessary to reevaluate the recommendations of this report.
- The generalized soil profile described in the text is intended to convey trends in subsurface conditions. The boundaries between strata are approximate and idealized and have been developed by interpretations of widely spaced explorations and samples; actual soil transitions are probably more erratic.
- Water level readings have been made in the drill holes at times and under conditions stated on the boring logs. These data have been reviewed and interpretations have been made in the text of this report. However, it must be noted that fluctuations in the level of the groundwater may occur due to variations in rainfall, temperature, and other factors occurring since the time measurements were made. More precise determinations of groundwater levels would require the installation of groundwater observation wells and water level readings taken over an extended period of time.

Review

- In the event that any changes in the nature, design or location of the proposed building are planned, the conclusions and recommendations contained in this report shall not be considered valid unless the changes are reviewed and conclusions of this report modified or verified in writing by this firm. Further, it is recommended that this firm be provided the opportunity for a general review of final design and specifications in order that earthwork and foundation recommendations may be properly interpreted and implemented in the design and specifications.

Construction

- It is recommended that Soiltesting, Inc. and this firm be retained to provide geotechnical engineering services during construction of the excavation and foundation phases of the work. This is to observe compliance with the design concepts, specifications, and recommendations and to allow design changes in the event that subsurface conditions differ from those anticipated prior to start of construction.

Use of Report

- This report has been prepared for the exclusive use of Quisenberry Arcari Architects, LLC for specific application to the proposed construction at 2 Scott Street in Milford, Connecticut in accordance with generally accepted soil and foundation engineering practices. No other warranty, expressed or implied, is made.
- This report is for *design* purposes only and is not sufficient to prepare construction cost estimates or bids.