



Lothrop Associates LLP Architects

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14th Floor

Hartford, Connecticut 06103

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THE STATE OF CONNECTICUT
DEPARTMENT OF HOUSING (DOH)
COMMUNITY DEVELOPMENT BLOCK GRANT DISASTER RECOVERY PROGRAM (CDBG-DR)

OWNER OCCUPIED REHABILITATION AND REBUILDING PROGRAM (OORR)

**HAZARDOUS MATERIAL ABATEMENT
CONSTRUCTION OF NEW FOUNDATION
RAISING EXISTING RESIDENCE
THERESA BISHOP RESIDENCE
41 PHILLIP STREET
EAST HAVEN, CONNECTICUT 06512**

ADDENDUM NO. 1022-1

Date: December 12, 2014

Application No. 1022

LAA Project No. 1524-03

This Addendum forms part of the Contract Documents and amends the original Bidding Documents dated November 19, 2014, only in the following particulars. Original provisions of the Contract Documents shall remain in effect except as specifically amended by this Addendum.

Bidders shall consider amendments and the resulting cost differences shall be included in all bids.

Acknowledge receipt of this Addendum in the space provided on the Bid Proposal Form. Failure to do so may subject the bidder to disqualification.

A. DRAWINGS

1. **DRAWING AD-101: DEMOLITION KEYED NOTES-**
 - a. Revise note D-1 to read; "Remove **all** existing CMU.... etc".
 - b. Revise note D-2 to read; "Remove **all** existing foundation walls".
 - c. Revise note D-11 to read; "Masonry **chimney** above to remain. Raise with dwelling,
 - d. brace as necessary".

2. **DRAWING A-101:**
 - a. At new door add note; “3-0 x 7-0 Hollow Metal door and frame”.
 - b. At Lower Level area add note; “Provide 2 weatherproof light fixtures mounted to ceiling framing. Provide switch near door, power from nearest source on main level”.
 - c. At Lower Level area add note; “ Foam insulation above”.
 - d. At First Floor add note to existing fireplace; “Repair floor as necessary after raising building”.

3. **DRAWING A-201:**
 - a. South Elevation- add note to new windows; “New windows- Andersen double hung, 200 Series with Coastal Storm Watch Components”.
 - b. North Elevation- add note to bottom of existing chimney; “Infill existing CMU chimney and cement parge to match existing. See structural”.
 - c. Add general notes applicable to all elevations:
 1. “Repair existing siding and trim damaged from raising building”.
 2. “Cement parge new foundation walls at building perimeter”.

5. **DRAWING HM-100:** Delete work notes **2,3,&4.**

6. **DRAWING HM-200:**
 - a. Revise drawing title from first floor to- **ATTIC PLAN.**
 - b. Delete work note “**1**”

7. **DRAWING S-102:** On sections 1, 2 &3 revise First Floor elevation from 16.0’ to **14.8’.**

8. **DRAWING S-104:** Revised to include boring logs and revised Structural Notes.
Attached hereto.

END OF ADDENDUM 1022-1

STRUCTURAL NOTES

GENERAL:

- All details shall be considered typical and shall apply to all same and similar conditions.
- The Contractor shall field measure and verify all dimensions of the existing building and all dimensions related thereto.
- The Contractor shall be responsible for all temporary shoring and bracing required to maintain the structural stability of the building during construction.
- All work shall be in accordance with Connecticut state residential code (CSRC) which includes the 2009 International Residential Code, and the Connecticut 2013 amendments.
- The Contractor shall be solely responsible for construction site safety.

DESIGN LOADS:

- The foundation structure have been engineered to resist the following design loads in accordance with 2009 IRC chapter 3 and the Connecticut 2013 Amendments.

- Floor live loads:
 - First Floor: 40 psf
 - Second Floor: 30 psf
 - Deck: 40 psf

- Snow load:
 - Ground Snow Load - Pg = 30 psf

The roof structure was engineered for a minimum snow load of 30 psf in accordance with CSRC Chapter 3, Snow Loads.

- Wind load:
 - Site classification - E
 - Occupancy Category, General Building - I
 - Seismic Use Group, I
 - Occupancy Importance Factor, I = 1.0
 - Seismic Design Category = B

- Earthquake load:
 - Site classification - E
 - Occupancy Category, General Building - I
 - Seismic Use Group, I
 - Occupancy Importance Factor, I = 1.0
 - Seismic Design Category = B

Earthquake loads for single-family residences are exempt for SD C = B

HELICAL PILES:

- All piles shall be patented helical piles and appurtenances as manufactured by A.B. Chance or an approved equal.
- Project is located in the vicinity of Long Island Sound, ground water elevation is tidal. Schedule pile installation during periods of low tide.
- All helical piles shall be installed by factory certified installers.
- All helical pile installations operations shall be supervised by a professional Engineer (Pile Engineer), licensed in the State of Connecticut, and hired by architect.
- The helical piles shall be installed to achieve an ultimate bearing capacity of 40 kips compression. The design capacity of the piles is 20 kips providing a safety factor of 2. The pile contractor shall submit, for review, calculations indicating the minimum pile depth, helix diameter and required torque to achieve the required load based upon the soil boring.
- If the minimum torque has not been achieved at the depth level, the contractor shall have the following options:
 - Install the pile deeper, using additional extensions until the specified torque has been obtained.
 - Remove the existing pile and install a pile with a larger and/or more helices. The revised pile shall be installed beyond the termination depth of the original pile, as directed by the engineer.
 - Add additional piles as recommended by the engineer.
- Helical piles leads shall have a 1 1/2"x1 1/2" inch shaft with three helices. The lower helix shall have a minimum diameter of 8 inches; the middle helix 10 inches the upper helix shall be 12 inches in diameter. Minimum embedment = 10 feet.
- The helical piles, extensions, and appurtenances shall be hot dipped galvanized in accordance with ASTM A153.
- Helical piles shall be installed as shown on the drawings. All changes to the pile locations must be approved by the engineer.
- If underground obstructions are encountered during the installation, the contractor shall have the option of removing the obstruction if possible, or relocating the pile with the engineer's approval. The latter option may require the relocation of adjacent piles or the installation of additional piles.
- A neat grout column shall be formed during pile installation.
- The grout column shall have a minimum compressive strength of 2,500 psi.
- Written installation records shall be obtained for each helical pile. The records shall include, but are not limited to, the following:
 - Project name and location
 - Name of contractor's foreman and representative who witnessed the installation.
 - Date and time of installation.
 - Location and/or reference number of each pile.
 - Description of lead section and extensions installed.
 - Overall depth of installation referenced from bottom of existing pile.
 - Torque reading for the last three feet of installation.
 - Any other relevant information relation the installation, such as but not limited to, depth of any obstructions encountered, sudden loss of torque, offset from plan location.

FOR ESTIMATE PURPOSE:

- All piles shall be installed to a depth of 24 feet below elevation +2.33 ft. The exact embedment lengths shall be verified and recorded in the field by Pile Engineer. Final payment for installation length shall be determined using a contract unit price.

ENGINEERED LUMBER

- Laminated veneer lumber, LVL, shall be Microllam as manufactured by Trus Joist MacMillan or Equivalent.
- LVL material shall have the following minimum allowable stresses:
 - Flexural stress, Fb = 2,600 psi.
 - Modulus of elasticity, E = 1,900,000 psi.
 - Compression perpendicular to grain, Fc_⊥ = 750 psi
 - Compression parallel to grain, Fc_{||} = 2,510 psi
 - Horizontal shear, Fv = 285 psi
- Parallel strand lumber, PSL, shall be Wolmanized Parallam as manufacture by I Trus Joist, service level 1 or equivalent
- PSL material shall have the following minimum allowable stresses:
 - Flexural stress, Fb = 2,117 psi.
 - Modulus of elasticity, E = 1,660,000 psi.
 - Compression perpendicular to grain, Fc_⊥ = 533 psi
 - Compression parallel to grain, Fc_{||} = 2,030 psi
 - Horizontal shear, Fv = 241 psi.
 - Tension Street, Ft = 1,619 psi.

- Unless otherwise noted on drawings, multiple plies of flush LVL or PSL material shall be bolted together with (2) rows of 5/8 inch diameter, A307 thru-bolts, spaced at 16 inches on center. Bolt/nuts are to be the same diameter as the bolt, and be located 2 1/2 inches from the top and bottom of the member. Washers should be used under the head and nut of the bolts. Do not tighten bolts to the point of crushing wood fibers. Bolts are to be snug tight. Members noted as dropped shall be connected with (3) rows of 1/2 inch common wire nails at 12" on center.

BORING LOGS

SOIL TESTING, INC. 90 DONOVAN RD. OXFORD, CT 06478 CT (203) 262-9328 NY (914) 946-4850		CLIENT: Lothrop Associates		SHEET 1 OF 1 HOLE NO. B-1					
PROJECT NO. G221-9874-14		PROJECT NAME Bishop Residence		BORING LOCATIONS per Plan					
LOCATION 41 Phillip Street East Haven, CT		INSPECTOR		DATE START 11/4/14					
TYPE HSA SS		DATE FINISH 11/4/14		SURFACE ELEV.					
SIZE I.D. 4 1/2" 1 3/8"		BIT 140#		GROUND WATER ELEV.					
HAMMER WT. 140#		HAMMER FALL 30"							
DEPTH (FEET)	SAMPLE				DENSITY OR CONSIST	STRATA CHANGE DEPTH	FIELD IDENTIFICATION OF SOIL REMARKS INCL. COLOR, LOSS OF WASH WATER, SEAMS IN ROCK, ETC.		
	CASING BLOWS PER FOOT	NO	TYPE	REC				MOIST ELEV	
0	1	SS	24"	14"	20"	6	10	moist	4" TOPSOIL
	2	SS	24"	16"	40"	9	15	compact	11" red fm FMC SAND, sm silt, F-C gravel, fl brick frags, cinders (fl)
	3	SS	24"	18"	60"	6	5	moist-wet	4' dense
5	4	SS	24"	17"	80"	4	4	loose	red F SAND, fl silt, (fl)
	5	SS	24"	16"	100"	3	3	wet	11" red FM SAND, sm blk cinders, F gravel (fl)
10	6	SS	24"	24"	120"	4	3	compact	10' red fm FMC SAND, cinders (fl)
								wet	14' dk gry ORGANIC SILT & PEAT
								v soft	14' E cobble, C gravel at 14'
16	7	SS	24"	18"	170"	13	20	wet	11" fm FMC SAND, sm F-C gravel, fl silt
								dense	partially decomposed BEDROCK
20									AUGER REFUSAL
26									E.O.B. 19'
30									
36									
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-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							
PROPORTIONS USED:	TRACE = 0 - 10%	LITTLE = 10 - 20%	SOME = 20 - 35%	AND = 35 - 50%				

SOIL TESTING, INC. 90 DONOVAN RD. OXFORD, CT 06478 CT (203) 262-9328 NY (914) 946-4850		CLIENT: Lothrop Associates		SHEET 1 OF 1 HOLE NO. B-2					
PROJECT NO. G221-9874-14		PROJECT NAME Bishop Residence		BORING LOCATIONS per Plan					
LOCATION 41 Phillip Street East Haven, CT		INSPECTOR		DATE START 11/4/14					
TYPE HSA SS		DATE FINISH 11/4/14		SURFACE ELEV.					
SIZE I.D. 4 1/2" 1 3/8"		BIT 140#		GROUND WATER ELEV.					
HAMMER WT. 140#		HAMMER FALL 30"							
DEPTH (FEET)	SAMPLE				DENSITY OR CONSIST	STRATA CHANGE DEPTH	FIELD IDENTIFICATION OF SOIL REMARKS INCL. COLOR, LOSS OF WASH WATER, SEAMS IN ROCK, ETC.		
	CASING BLOWS PER FOOT	NO	TYPE	REC				MOIST ELEV	
0	1	SS	24"	10"	20"	15	10	moist	red vf FM SAND
	2	SS	24"	14"	40"	5	4	compact	dk CINDERS & ASH
	3	SS	24"	10"	60"	3	3	moist-wet	10' dense
5	4	SS	24"	8"	80"	2	2	loose	6' dk CINDERS & SILT (fl)
	5	SS	24"	8"	100"	2	2	wet	10' dk gry dk ORGANIC SILT & PEAT
10	6	SS	24"	14"	100"	2	1	soft	SAME
	6	SS	24"	8"	120"	1	1	wet	
								soft	
15	7	SS	4"	3"	154"	1004"		dy	14' pose decomposed BEDROCK from 14'
								v dense	partially decomposed BEDROCK / rock frags
20									AUGER REFUSAL
25									E.O.B. 17'
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							
SS = SPLIT TUBE SAMPLER	H.S.A. = HOLLOW STEM AUGER							
PROPORTIONS USED:	TRACE = 0 - 10%	LITTLE = 10 - 20%	SOME = 20 - 35%	AND = 35 - 50%				



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White Plains Rochester Red Bank Hartford

STRUCTURAL ENGINEER:



SURVEYOR:



ENVIRONMENTAL ENGINEER:



3	12 DEC 2014	ADDENDUM 1
2	19 NOV 2014	ISSUED FOR BID
1	11 NOV 2014	90% PROGRESS SUBMISSION

ISSUE NO.	ISSUE DATE	DESCRIPTION
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State Of Connecticut
Department Of Housing
505 Hudson Street
Hartford, Connecticut 06106
Hazardous Material Abatement
Construction of New Foundation
and Raising Existing Residence
for
Theresa Bishop
Application No. 1022
41 Phillip Street
East Haven, Connecticut 06512

GENERAL NOTES

PROJECT NO.: 1524-03 SCALE AS NOTED

DRAWING NO.:

S-104