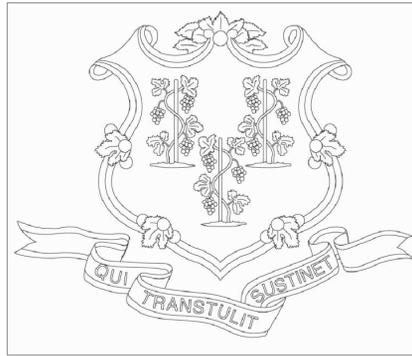


STATE OF CONNECTICUT DEPARTMENT OF HOUSING CDBG–COMMUNITY DEVELOPMENT BLOCK GRANT SUPERSTORM SANDY DISASTER RECOVERY PROGRAM



SPONSOR
State of Connecticut
Department of Housing
505 Hudson Street
Hartford, Connecticut 06106

OWNER
Application No. 1211
Martin Patricelli
42 Minor Road
East Haven, Connecticut 06512

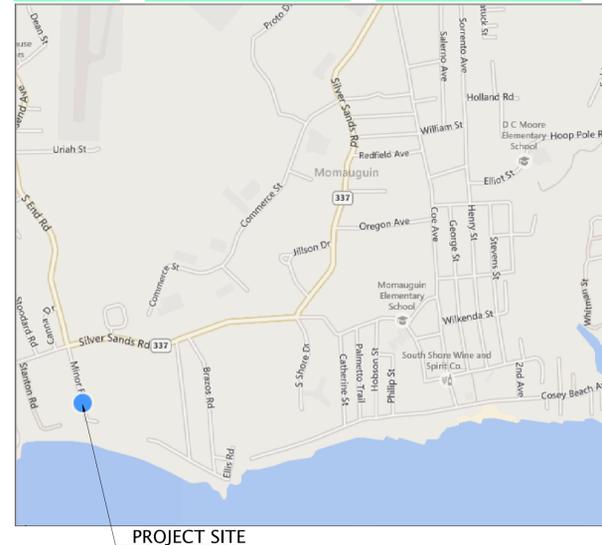
ARCHITECT:
Lothrop Associates LLP
333 Westchester Avenue, White Plains, New York 10604
510 Clinton Square, Rochester, New York 14620
125 Half Mile Road, Suite 200, Red Bank, New Jersey 07701
100 Pearl Street, 14th Floor, Hartford, Connecticut 06103

ENVIRONMENTAL ENGINEER:
Fuss & O'Neill
146 Hartford Road, Manchester, Connecticut 06040
56 Quarry Rd, Trumbull, Connecticut 06611

STRUCTURAL ENGINEER:
Cuoco Structural Engineers, LLC
60 Katona Drive, Fairfield, Connecticut 06824

SURVEYOR:
Freeman Companies, LLC
36 John Street, Hartford, Connecticut 06106

AREA MAP



GENERAL NOTES

- DO NOT OBSTRUCT ACCESS TO THE SITE.
- PROTECT ALL AREAS FROM FALLING DEBRIS.
- MAINTAIN ALL EXISTING SITE ELEMENTS (PAVING, FENCES, BUILDINGS, ETC.) AND PLANTINGS & LAWNS. CONTRACTOR SHALL REPLACE OR REPAIR ALL DAMAGE, AT THE CONTRACTORS' EXPENSE.
- MAINTAIN A SECURED AREA FOR ALL CONSTRUCTION MATERIALS & EQUIPMENT STORED ON SITE.
- PROVIDE TARPED DUMPSTER FOR REMOVAL OF ALL RUBBISH AND CONSTRUCTION DEBRIS. DUMPSTER SHOULD BE ADEQUATELY PROTECTED DURING PROJECT. CONTRACTOR IS RESPONSIBLE FOR ALL TRASH PLACED IN AND AROUND DUMPSTER. DUMPSTER PERMIT COSTS TO BE INCLUDED IN THE BASE BID.
- WORK SHALL COMPLY WITH ALL STATE & LOCAL CODES, REGULATIONS AND ORDINANCES.
- AT PROJECT COMPLETION, REMOVE ALL CONSTRUCTION DEBRIS AND PATCH/REPAIR ALL SURFACES DAMAGED BY CONTRACTOR ACTIVITIES. THOROUGHLY CLEAN ALL WORK AREAS OF ALL DEBRIS RESULTING FROM WORK OF THIS CONTRACT.
- DISCONNECT AND RECONNECT ALL UTILITIES AS REQUIRED. COORDINATE WITH UTILITY COMPANIES AND AUTHORITIES HAVING JURISDICTION.

DRAWING LIST

ARCHITECTURAL

- G-001 COVER SHEET
- G-002 SITE PLAN, ZONING DATA
- AD-101 DEMOLITION PLAN
- A-101 FLOOR PLANS AND MISCELLANEOUS DETAILS
- A-102 ROOF PLAN AND DETAILS
- A-201 BUILDING ELEVATIONS
- A-301 BUILDING SECTION

HAZARDOUS MATERIAL

- HM-01 HAZARDOUS MATERIALS ABATEMENT PLAN

STRUCTURAL

- S-101 FOUNDATION PLAN, FIRST FLOOR FRAMING PLAN, SOIL BORING DATA
- S-102 STRUCTURAL SECTIONS AND DETAILS
- S-103 STRUCTURAL SECTIONS
- S-104 STRUCTURAL GENERAL NOTES

ABBREVIATIONS

- CJ CONTROL JOINT
- E/F EXHAUST FAN
- FPFB FROST PROOF HOSE BIB
- FV FLOOD VENT
- GFCI GROUND FAULT CIRCUIT INTERRUPTER
- MC MEDICINE CABINET
- MO MASONRY OPENING
- PT PRESSURE TREATED
- WP WEATHERPROOF

SYMBOLS LEGEND

- EXISTING TO REMAIN
- NEW FOUNDATION
- EXISTING TO BE REMOVED
- PLYWOOD
- CONCRETE
- RIGID INSULATION
- GRAVEL
- ROOF SLOPE
- SETBACK LINE
- SILT BARRIER
- CONSTRUCTION FENCE
- PROPERTY LINE
- DETAIL TAG: SECTION NUMBER DRAWING NUMBER
- SECTION KEY: SECTION NUMBER DRAWING NUMBER
- ELEVATION KEY: ELEVATION NUMBER DRAWING NUMBER
- EXISTING DOOR TO REMAIN
- REVISION

Lothrop

Lothrop Associates LLP Architects
100 Pearl Street
14th Floor
Hartford, Connecticut 06103
860-249-7251

White Plains Rochester Red Bank Hartford

STRUCTURAL ENGINEER:



SURVEYOR:



ENVIRONMENTAL ENGINEER:



ISSUE NO.	ISSUE DATE	DESCRIPTION
1	26 MARCH 2015	ISSUED FOR BID

ISSUE NO.	ISSUE DATE	DESCRIPTION

**State Of Connecticut
Department Of Housing**
505 Hudson Street
Hartford, Connecticut 06106
Application No. 1211
HAZARDOUS MATERIAL ABATEMENT
CONSTRUCTION OF NEW FOUNDATIONS
RAISING EXISTING RESIDENCE and ROOF
REPLACEMENT
FOR
MARTIN PATRICELLI
42 Minor Road
East Haven, Connecticut 06512

COVER SHEET

PROJECT NO.: 1524-06 SCALE AS NOTED

DRAWING NO.: **G-001**

STRUCTURAL ENGINEER:



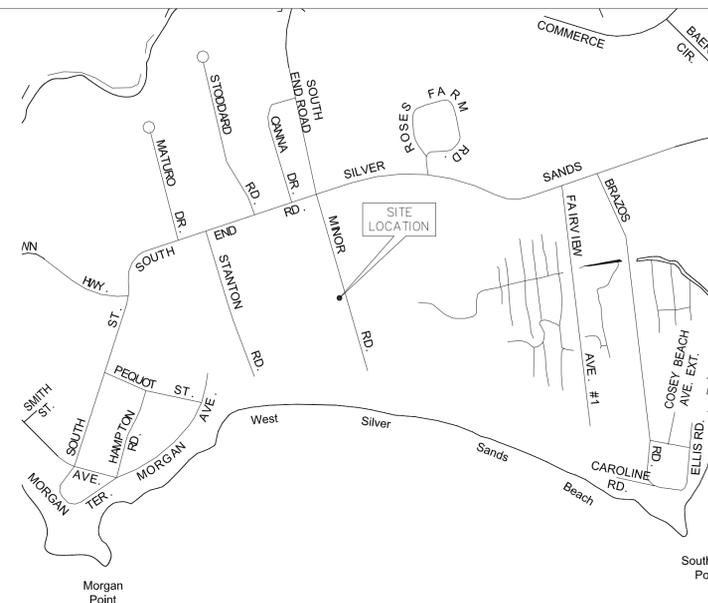
SURVEYOR:



ENVIRONMENTAL ENGINEER:

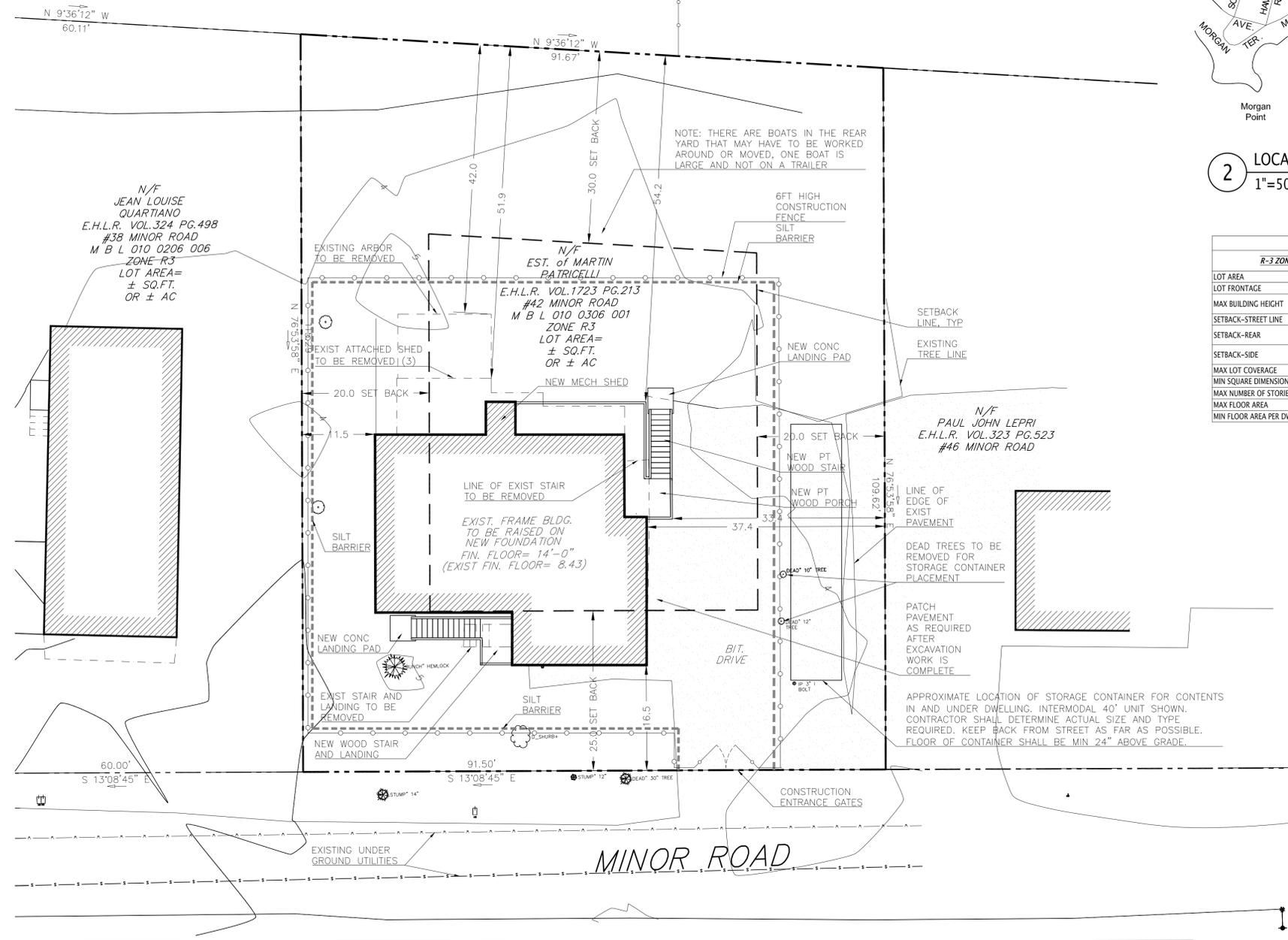


166 HARTFORD ROAD
HARTFORD, CONNECTICUT 06103
www.fussandoneill.com



2 LOCATION MAP
1" = 500'

ZONING DATA			
R-3 ZONE	REQUIRED	EXISTING	PROPOSED
LOT AREA	20,000 SF	10,289.5 SF	10,289.5 SF EXISTING NONCONFORMANCE
LOT FRONTAGE	100 FEET	91.5 FEET	91.5 FEET EXISTING NONCONFORMANCE
MAX BUILDING HEIGHT	40 FEET, 30 FEET WITH SETBACK RESTRICTION	19.2 FEET	24.2 FEET
SETBACK-STREET LINE	25 FEET	16.5 FEET	16.5 FEET EXISTING NONCONFORMANCE
SETBACK-REAR	30 FEET	42.0 FEET	54.2 FEET
SETBACK-SIDE	20 FEET EA	11.5 FEET WEST 37.4 EAST	11.5 WEST 33.4 EAST
MAX LOT COVERAGE	20	15.80%	16.00%
MIN SQUARE DIMENSION	100 FEET	91.5 FEET	91.5 FEET EXISTING NONCONFORMANCE
MAX NUMBER OF STORIES	3	1	1
MAX FLOOR AREA	40%	15.20%	13
MIN FLOOR AREA PER DWELLING UNIT	900 SF	1560.9 SF	1337.2 SF



1 SITE PLAN
1" = 10'

SITE PLAN INFORMATION TAKEN FROM A SURVEY PREPARED BY BRIAN SHEA FOR FREEMAN COMPANIES, LLC
MAP, BLOCK AND LOT: 010-0306-001

State Of Connecticut
Department Of Housing
505 Hudson Street
Hartford, Connecticut 06106

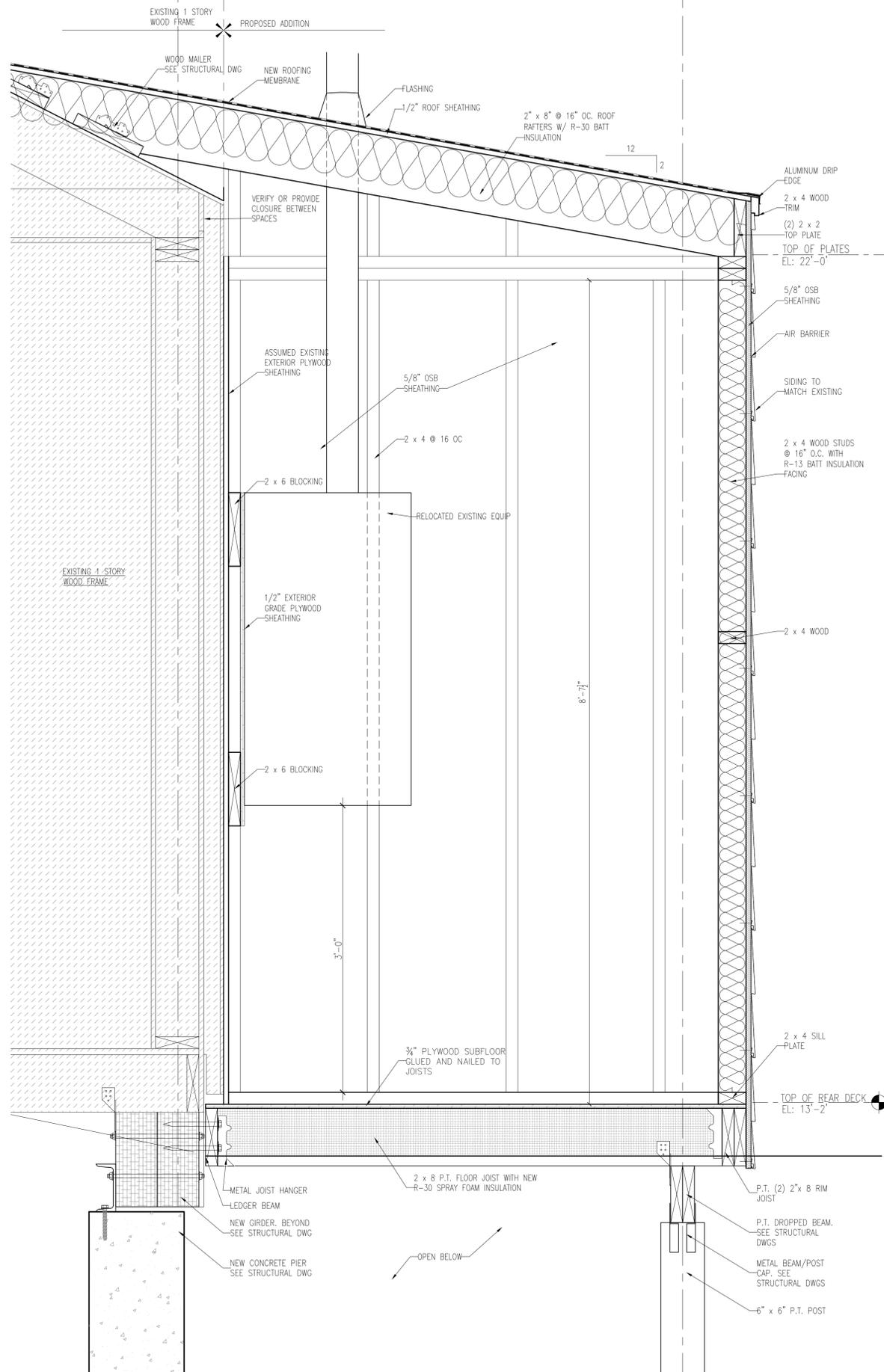
Application No. 1211
HAZARDOUS MATERIAL ABATEMENT
CONSTRUCTION OF NEW FOUNDATIONS
RAISING EXISTING RESIDENCE and ROOF
REPLACEMENT
FOR
MARTIN PATRICELLI
42 Minor Road
East Haven, Connecticut 06512

SITE PLAN
ZONING DATA

PROJECT NO.: 1524-06 SCALE AS NOTED

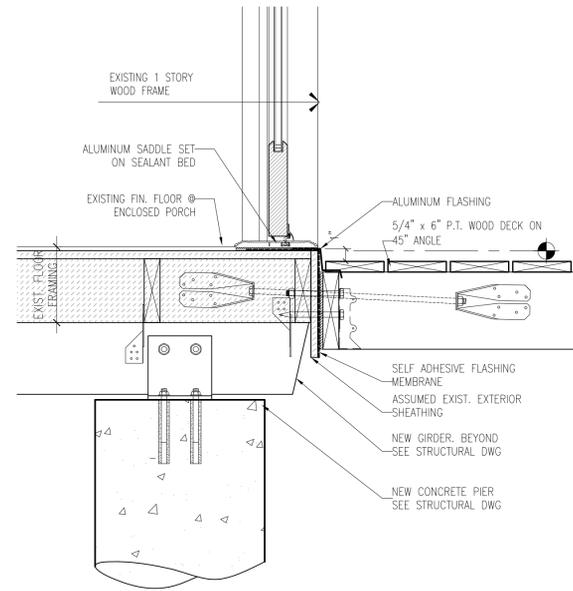
DRAWING NO.:

G-002

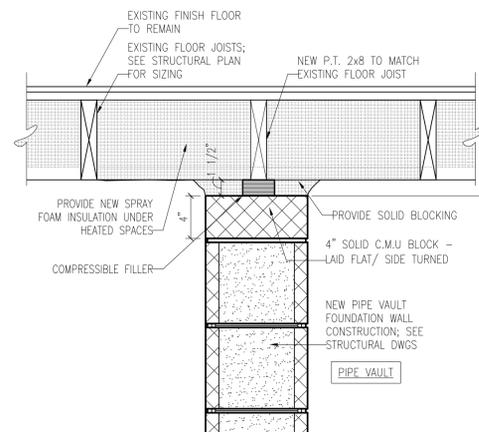


1 BUILDING SECTION
1 1/2" = 1'-0"

REFER TO 1/ DWG S-103 FOR FRAMING DETAILS



2 DECK DETAIL AT DOOR REFER TO 2/ DWG S-102 FOR FRAMING DETAILS
1 1/2" = 1'-0"



3 DETAIL AT TOP OF PIPE VAULT WALL
1 1/2" = 1'-0"

Lothrop

Lothrop Associates LLP Architects
100 Pearl Street
14th Floor
Hartford, Connecticut 06103
860-249-7251

White Plains Rochester Red Bank Hartford

STRUCTURAL ENGINEER:



SURVEYOR:



ENVIRONMENTAL ENGINEER:



ISSUE NO.	ISSUE DATE	DESCRIPTION
1	26 MARCH 2015	ISSUED FOR BID

State Of Connecticut
Department Of Housing
505 Hudson Street
Hartford, Connecticut 06106
Application No. 1211
HAZARDOUS MATERIAL ABATEMENT
CONSTRUCTION OF NEW FOUNDATIONS
RAISING EXISTING RESIDENCE and ROOF
REPLACEMENT
FOR
MARTIN PATRICELLI
42 Minor Road
East Haven, Connecticut 06512

BUILDING SECTION AND DETAILS

PROJECT NO.: 1524-06 SCALE AS NOTED

DRAWING NO.:

A-301

STRUCTURAL ENGINEER:



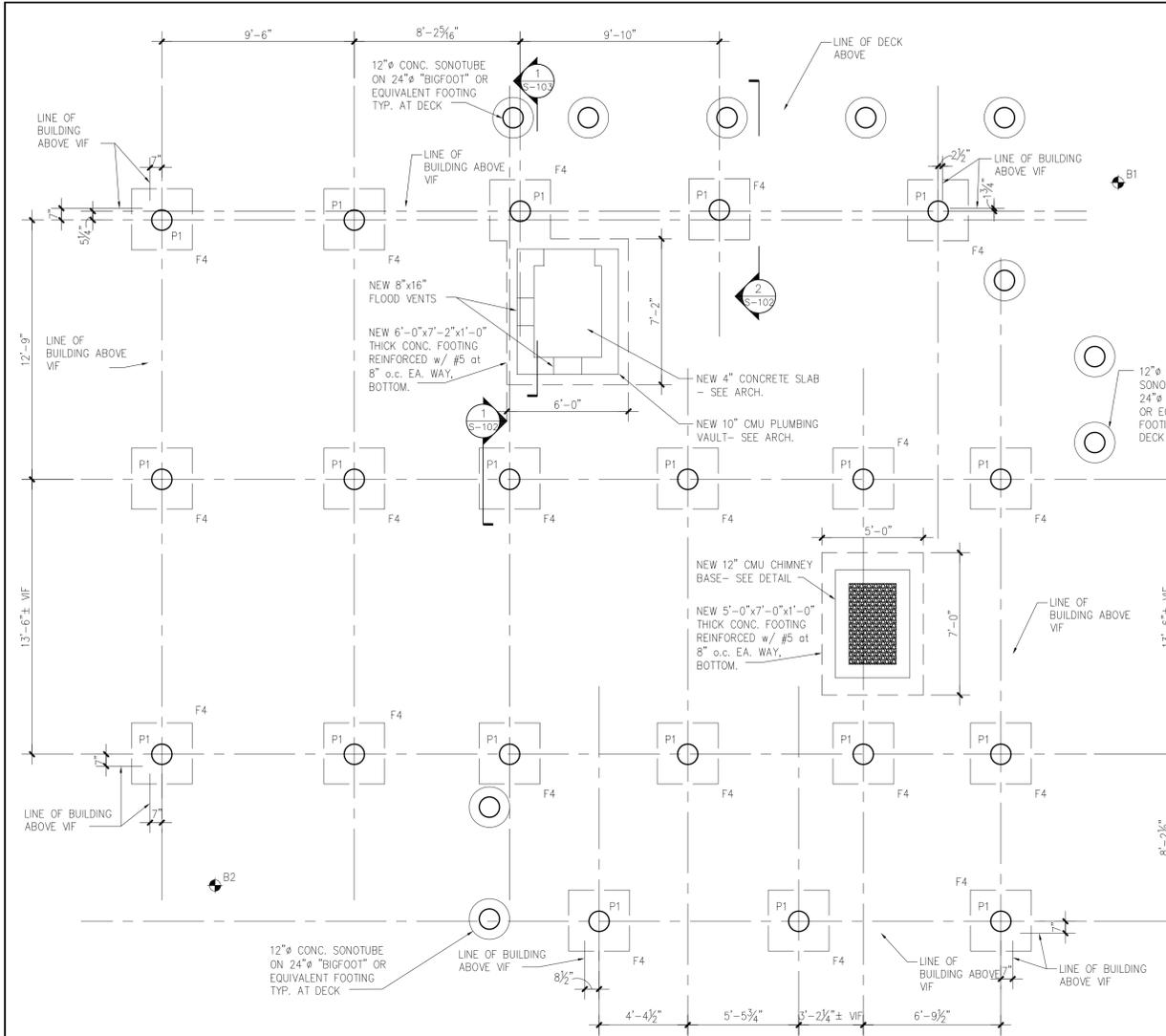
SURVEYOR:



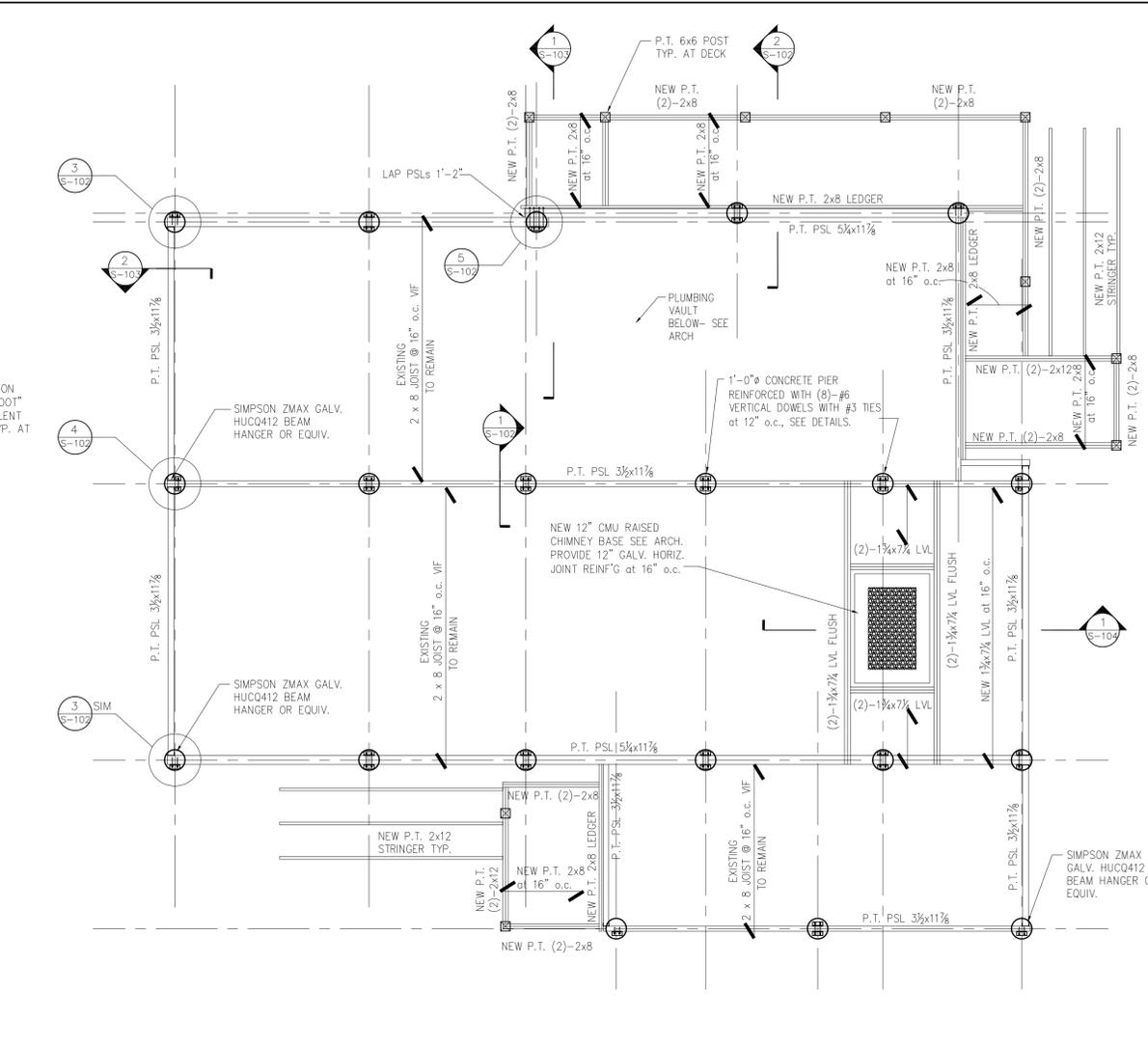
ENVIRONMENTAL ENGINEER:



ISSUE NO.	ISSUE DATE	DESCRIPTION
1	26 MARCH 2015	ISSUED FOR BID



FOUNDATION PLAN
1/4" = 1'-0"



FIRST FLOOR FRAMING PLAN
1/4" = 1'-0"

- SUGGESTED LIFTING SEQUENCE:**
- INSTALL CRIBBING AND SUPPORT FRAMING TO ELEVATE STRUCTURE.
 - RAISE STRUCTURE TO REQUIRED ELEVATION TO PROVIDE CLEARANCE FOR INSTALLATION OF NEW FOUNDATION.
 - DEMOLISH AND REMOVE EXISTING PIER FOUNDATION, FOOTINGS, AND FIRST FLOOR DROPPED BEAMS.
 - INSTALL NEW FOOTINGS, PIERS, AND FIRST FLOOR FRAMING.
 - LOWER STRUCTURE ONTO NEW FOUNDATION. FASTEN AS INDICATED.

- NOTE:**
- FOOTINGS SHALL BEAR ON UNDISTURBED, VIRGIN SOIL FREE FROM WATER, MUD, SNOW, ICE OR DEBRIS. FOOTINGS TO BEAR ON STRATA DESCRIBED AS "red F SAND, lit silt F gravel" ON SOIL BORING LOG.
 - DESIGN ALLOWABLE SOIL BEARING PRESSURE = 4000 PSF. COORDINATE ALL DIMENSIONS WITH ARCHITECTURAL DRAWINGS AND SITE CONDITIONS.
 - B-1 DESIGNATES SOIL BORING LOCATION, REFER TO SOIL BORING LOG, THIS DRAWING.
 - "F4" DENOTES 4'-0"x4'-0"x1'-0" THICK CONCRETE FOOTING REINFORCED WITH #5 x 3'-8" LG. EA. WAY TOP AND BOTTOM, SEE DETAILS.
 - "P1" DENOTES 1'-0" CONCRETE PIER REINFORCED WITH (8)-#6 VERTICAL DOWELS WITH #3 TIES AT 12" O.C., SEE DETAILS.

SOILTESTING, INC.		CLIENT: Lothrop Associates		SHEET 1 OF 1	
80 DONOVAN RD. OXFORD, CT 06478 CT (203) 262-8328 NY (914) 848-4860		PROJECT NO. G192-8838-14		HOLE NO. B-1	
PROJECT NAME 42 Minor Road		BORING LOCATIONS per Plan			
FOREMAN - DRILLER	LOCATION	INSPECTOR	DATE START	DATE FINISH	
TRYP	East Haven, CT		9/22/14	9/22/14	
TYPE	HSA	SS	DATE FINISH	9/22/14	
SIZE I.D.	3 3/4"	1 3/8"	HAMMER WT.	140#	BIT
AT 1/2 FT AFTER 1/2 HOURS			HAMMER FALL	30"	SURFACE ELEV.
AT 1 FT AFTER 1 HOURS					GROUND WATER ELEV.
SAMPLE		DENSITY OR CONSIST		FIELD IDENTIFICATION OF SOIL REMARKS	
CASING NO.	DEPTH (FT)	TYPE	MOIST	INCL. COLOR, LOSS OF WASH WATER, SEAMS IN ROCK, ETC.	
1	18'	24"	10	1" ASPHALT / F PROCESS GRAVEL	
2	24'	14"	14	red FMC SAND, sm sil, lit F gravel	
3	24'	14"	14	30" brn FMC SAND, sm F gravel, lit sil, lit	
4	24'	20"	12	brn ORGANIC SILT & PEAT	
5	24'	20"	12	brn ORGANIC SILT, sm peat, lit F gravel	
6	24'	20"	12	red FMC SAND, lit sil, F gravel	
7	24'	20"	12	red FMC SAND, lit sil	
8	24'	18"	12	red VF F SAND, tr sil	
9	24'	18"	12	red VF F SAND, tr sil	
10	24'	18"	12	red VF F SAND, tr sil	
11	24'	18"	12	red VF F SAND, tr sil	
12	24'	18"	12	red VF F SAND, tr sil	
13	24'	18"	12	red VF F SAND, tr sil	
14	24'	18"	12	red VF F SAND, tr sil	
15	24'	18"	12	red VF F SAND, tr sil	
16	24'	18"	12	red VF F SAND, tr sil	
17	24'	18"	12	red VF F SAND, tr sil	
18	24'	18"	12	red VF F SAND, tr sil	
19	24'	18"	12	red VF F SAND, tr sil	
20	24'	18"	12	red VF F SAND, tr sil	
21	24'	18"	12	red VF F SAND, tr sil	
22	24'	18"	12	red VF F SAND, tr sil	
23	24'	18"	12	red VF F SAND, tr sil	
24	24'	18"	12	red VF F SAND, tr sil	
25	24'	18"	12	red VF F SAND, tr sil	
26	24'	18"	12	red VF F SAND, tr sil	
27	24'	18"	12	red VF F SAND, tr sil	
28	24'	18"	12	red VF F SAND, tr sil	
29	24'	18"	12	red VF F SAND, tr sil	
30	24'	18"	12	red VF F SAND, tr sil	
31	24'	18"	12	red VF F SAND, tr sil	
32	24'	18"	12	red VF F SAND, tr sil	
33	24'	18"	12	red VF F SAND, tr sil	
34	24'	18"	12	red VF F SAND, tr sil	
35	24'	18"	12	red VF F SAND, tr sil	
36	24'	18"	12	red VF F SAND, tr sil	
37	24'	18"	12	red VF F SAND, tr sil	
38	24'	18"	12	red VF F SAND, tr sil	
39	24'	18"	12	red VF F SAND, tr sil	
40	24'	18"	12	red VF F SAND, tr sil	

SOILTESTING, INC.		CLIENT: Lothrop Associates		SHEET 1 OF 1	
80 DONOVAN RD. OXFORD, CT 06478 CT (203) 262-8328 NY (914) 848-4860		PROJECT NO. G192-8838-14		HOLE NO. B-2	
PROJECT NAME 42 Minor Road		BORING LOCATIONS per Plan			
FOREMAN - DRILLER	LOCATION	INSPECTOR	DATE START	DATE FINISH	
TRYP	East Haven, CT		9/22/14	9/22/14	
TYPE	HSA	SS	DATE FINISH	9/22/14	
SIZE I.D.	3 3/4"	1 3/8"	HAMMER WT.	140#	BIT
AT 1/2 FT AFTER 1/2 HOURS			HAMMER FALL	30"	SURFACE ELEV.
AT 1 FT AFTER 1 HOURS					GROUND WATER ELEV.
SAMPLE		DENSITY OR CONSIST		FIELD IDENTIFICATION OF SOIL REMARKS	
CASING NO.	DEPTH (FT)	TYPE	MOIST	INCL. COLOR, LOSS OF WASH WATER, SEAMS IN ROCK, ETC.	
1	18'	24"	10	dry loose	red VF F-M SAND, lit F gravel, sil, tr roots (lit)
2	24'	14"	14	dry-moist	30" brn FMC SAND, sm F gravel, lit sil, lit
3	24'	14"	14	compact	dry FMC SAND, sm clay, sil, lit F gravel (lit)
4	24'	14"	14	compact	dry FMC SAND, sm clay, sil, lit F gravel (lit)
5	24'	14"	14	compact	dry FMC SAND, sm clay, sil, lit F gravel (lit)
6	24'	14"	14	compact	dry FMC SAND, sm clay, sil, lit F gravel (lit)
7	24'	14"	14	compact	dry FMC SAND, sm clay, sil, lit F gravel (lit)
8	24'	14"	14	compact	dry FMC SAND, sm clay, sil, lit F gravel (lit)
9	24'	14"	14	compact	dry FMC SAND, sm clay, sil, lit F gravel (lit)
10	24'	14"	14	compact	dry FMC SAND, sm clay, sil, lit F gravel (lit)
11	24'	14"	14	compact	dry FMC SAND, sm clay, sil, lit F gravel (lit)
12	24'	14"	14	compact	dry FMC SAND, sm clay, sil, lit F gravel (lit)
13	24'	14"	14	compact	dry FMC SAND, sm clay, sil, lit F gravel (lit)
14	24'	14"	14	compact	dry FMC SAND, sm clay, sil, lit F gravel (lit)
15	24'	14"	14	compact	dry FMC SAND, sm clay, sil, lit F gravel (lit)
16	24'	14"	14	compact	dry FMC SAND, sm clay, sil, lit F gravel (lit)
17	24'	14"	14	compact	dry FMC SAND, sm clay, sil, lit F gravel (lit)
18	24'	14"	14	compact	dry FMC SAND, sm clay, sil, lit F gravel (lit)
19	24'	14"	14	compact	dry FMC SAND, sm clay, sil, lit F gravel (lit)
20	24'	14"	14	compact	dry FMC SAND, sm clay, sil, lit F gravel (lit)
21	24'	14"	14	compact	dry FMC SAND, sm clay, sil, lit F gravel (lit)
22	24'	14"	14	compact	dry FMC SAND, sm clay, sil, lit F gravel (lit)
23	24'	14"	14	compact	dry FMC SAND, sm clay, sil, lit F gravel (lit)
24	24'	14"	14	compact	dry FMC SAND, sm clay, sil, lit F gravel (lit)
25	24'	14"	14	compact	dry FMC SAND, sm clay, sil, lit F gravel (lit)
26	24'	14"	14	compact	dry FMC SAND, sm clay, sil, lit F gravel (lit)
27	24'	14"	14	compact	dry FMC SAND, sm clay, sil, lit F gravel (lit)
28	24'	14"	14	compact	dry FMC SAND, sm clay, sil, lit F gravel (lit)
29	24'	14"	14	compact	dry FMC SAND, sm clay, sil, lit F gravel (lit)
30	24'	14"	14	compact	dry FMC SAND, sm clay, sil, lit F gravel (lit)
31	24'	14"	14	compact	dry FMC SAND, sm clay, sil, lit F gravel (lit)
32	24'	14"	14	compact	dry FMC SAND, sm clay, sil, lit F gravel (lit)
33	24'	14"	14	compact	dry FMC SAND, sm clay, sil, lit F gravel (lit)
34	24'	14"	14	compact	dry FMC SAND, sm clay, sil, lit F gravel (lit)
35	24'	14"	14	compact	dry FMC SAND, sm clay, sil, lit F gravel (lit)
36	24'	14"	14	compact	dry FMC SAND, sm clay, sil, lit F gravel (lit)
37	24'	14"	14	compact	dry FMC SAND, sm clay, sil, lit F gravel (lit)
38	24'	14"	14	compact	dry FMC SAND, sm clay, sil, lit F gravel (lit)
39	24'	14"	14	compact	dry FMC SAND, sm clay, sil, lit F gravel (lit)
40	24'	14"	14	compact	dry FMC SAND, sm clay, sil, lit F gravel (lit)

State Of Connecticut
Department Of Housing
505 Hudson Street
Hartford, Connecticut 06106

Application No. 1211
HAZARDOUS MATERIAL ABATEMENT
CONSTRUCTION OF NEW FOUNDATIONS
RAISING EXISTING RESIDENCE and ROOF
REPLACEMENT
FOR
MARTIN PATRICELLI
42 Minor Road
East Haven, Connecticut 06512

FOUNDATION PLAN
FIRST FLOOR FRAMING PLAN
SOIL BORING DATA

PROJECT NO.: 1524-06 SCALE AS NOTED

DRAWING NO. S-101

STRUCTURAL ENGINEER:



SURVEYOR:



ENVIRONMENTAL ENGINEER:



ISSUE NO.	ISSUE DATE	DESCRIPTION
1	26 MARCH 2015	ISSUED FOR BID

ISSUE NO.	ISSUE DATE	DESCRIPTION

ISSUE NO.	ISSUE DATE	DESCRIPTION

**State Of Connecticut
Department Of Housing
505 Hudson Street
Hartford, Connecticut 06106**

Application No. 1211
HAZARDOUS MATERIAL ABATEMENT
CONSTRUCTION OF NEW FOUNDATIONS
RAISING EXISTING RESIDENCE and ROOF
REPLACEMENT
FOR
MARTIN PATRICELLI
42 Minor Road
East Haven, Connecticut 06512

**STRUCTURAL SECTION
AND GENERAL NOTES**

PROJECT NO.: 1524-06 SCALE AS NOTED

DRAWING NO.:

S-104

STRUCTURAL NOTES

GENERAL NOTES

GENERAL:

- All details shall be considered typical and shall apply at 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 Building Code (CSRC) which includes the 2009 International Residential Code, and the 2013 addendum.
- The Contractor shall be solely responsible for construction site safety.

DESIGN LOADS:

- The structure has been engineered to resist the following design loads in accordance with CSRC Chapter 3.
- Floor live loads:
 - First Floor: 40 psf
 - Deck: 60 psf
 - Attic: 30 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:
 - Main Wind Force - Resisting System
 - Basic Wind Speed, (3 sec gust), V = 100 mph
 - Exposure Classification - C
 - Importance Factor - I = 1.00
 - Velocity Pressure Exposure Coefficient, Kz = 0.70
 - Wind Directionality Factor, Kd = 0.85
 - Topographical Factor, Kzt = 1.08
 - Product of Internal Pressure Coefficient and Gust Factor, GCpI = ±0.18
 - Gust Effect Factor, G = 0.85
 - External Pressure Coefficient, Cp = varies
 - Windward Wall, Cp = 0.85
 - Leeward Wall, Cp = -0.50
 - Side Wall, Cp = -0.70
 - Velocity Pressure, qz = 0.00256 x Kz x Kzt x Kd x V2 x I = 20 psf
 - Design Wind Pressure, p = q x (G x Cp) - ql x (GCpI) use 23 psf

Wind loads are resisted by wood framed shearwalls.
- Earthquake load:
 - Site classification - D
 - Occupancy Category, General Building - I
 - Seismic Use Group, I
 - Occupancy Importance Factor, I = 1.0
 - Seismic Design Category (based on SD1) - B

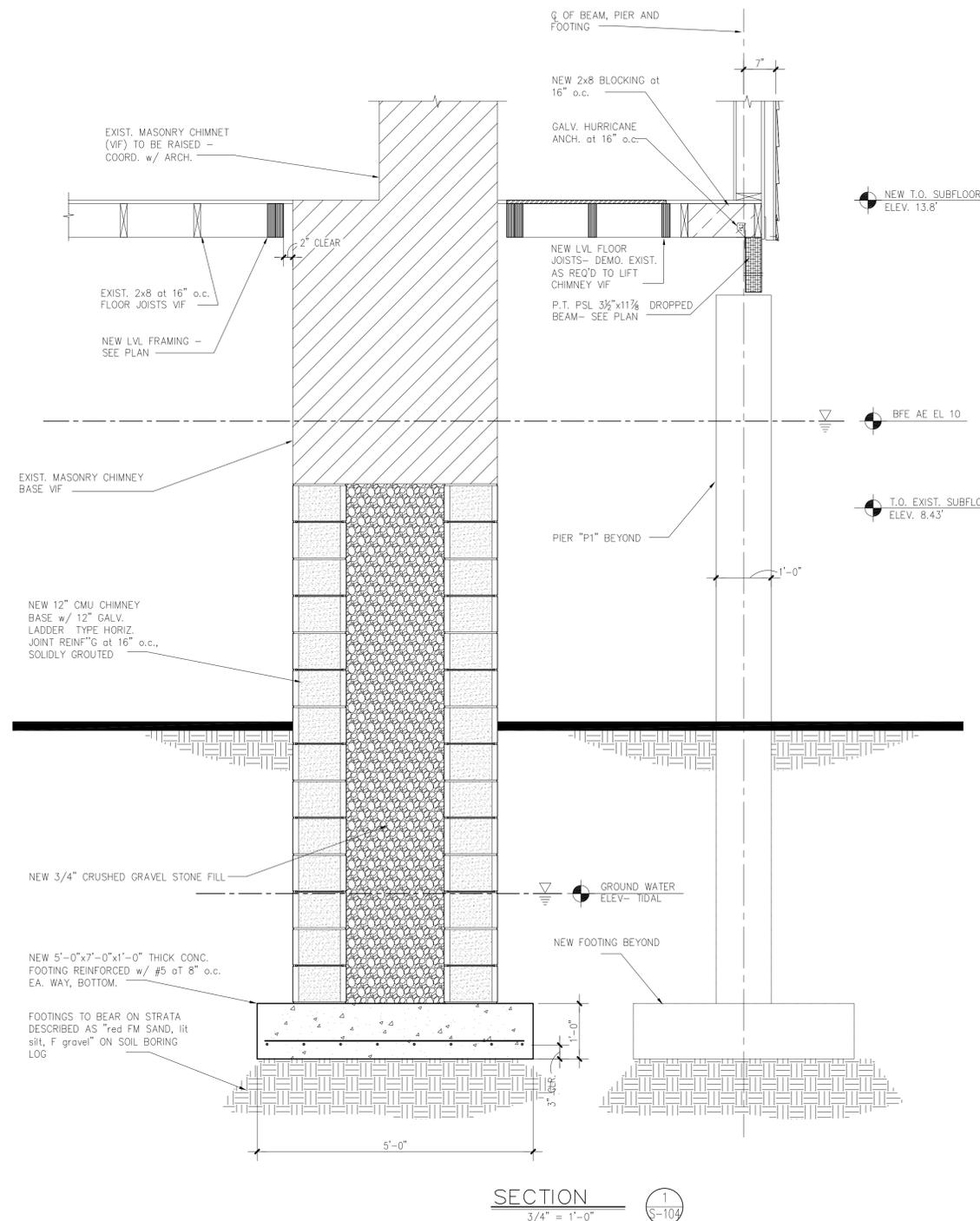
Earthquake loads for single-family residences are exempt for SDC = B

FOUNDATION

- Design assumption: soil bearing capacity is 2 tons per square foot.
- Footings shall bear on undisturbed virgin soil, free of frost, mud, or ice, or controlled fill.
- The Building Official shall inspect and approve the soil below all footings. Inspections shall be made prior to tamping the soil or setting footing forms.
- Footing sub-grade shall be compacted using a vibratory tamper or a jumping soil rammer after the soil has been inspected and approved.
- The Contractor shall be responsible for all dewatering, shoring, sheeting, or bracing required to maintain a safe, dry, and stable excavation.
- No footings shall be placed in water.
- Soil adjacent to and below footings shall be kept from freezing at all times.
- Do not backfill against foundation walls until first floor framing is in place.
- Provide a granular sub-base under all slabs on grade. Where slab is within a heated space, the sub-base shall be 6 inches of compacted 3/4" crushed stone or bank run gravel with a maximum size of 2 inches. Where the slab is exposed to frost, the sub-base shall be 6 inches of 3/4 inch crushed stone.
- The Contractor shall verify the location of all underground utility lines. Contractor shall contact "Call Before You Dig" prior to any excavation.
- Backfill for foundation walls and retaining walls shall be compacted granular soil with not more than 10% passing the #200 sieve. If on-site soil does not meet this specification, the Contractor shall bring in soil from off-site at his own expense.
- Where footings are below the groundwater elevation, place 6 inches of crushed stone under footings. Crushed stone shall be placed after the subsoil has been inspected, approved, and tamped.

CONTROLLED FILL

- The soil below footings and slab on grade sub-base shall be undisturbed virgin soil or controlled fill.
- Material used for controlled fill shall be clean bank run gravel or recycled aggregate, containing not more than 10 percent by weight passing the #200 sieve. The maximum size of gravel shall be six inches.
- Samples of fill material shall be subjected to a sieve analysis and a Modified Proctor moisture-density relationship test, ASTM D1557 to determine its maximum density and optimum moisture content.
- Fill material shall be placed in layers not to exceed 12 inches in thickness and compacted with a vibratory roller to 95 percent of the maximum dry density obtained by test.
- Fill material shall be compacted at or near the optimum moisture content.
- The placement and compaction of controlled fill shall be inspected. A trained technician employed by the testing laboratory shall test each layer of fill.



N:\10 PROJECTS\Yearly-Residentia\1524-06 - CT 001 0385-DR - 42 Minor Road, East Haven (1/17)\1524-06_Drawings\1524-06_Current Progress Drawings\1524-06_S101 Structural Drawing