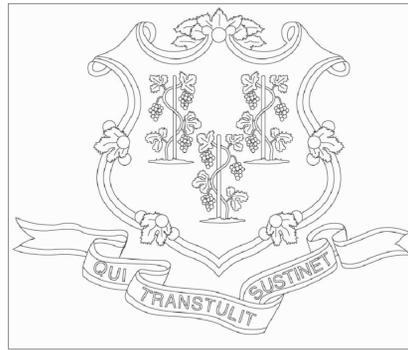
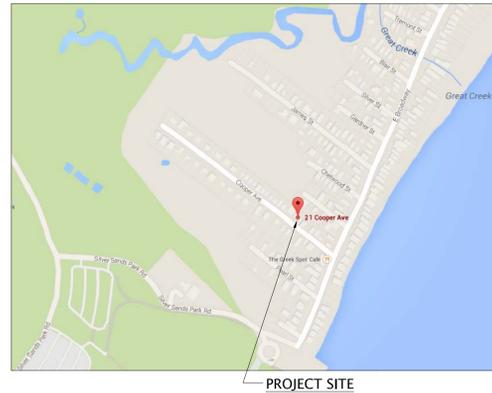


STATE OF CONNECTICUT DEPARTMENT OF HOUSING CDBG–COMMUNITY DEVELOPMENT BLOCK GRANT SUPERSTORM SANDY DISASTER RECOVERY PROGRAM



AREA MAP



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

OWNER
Application No. 5035
Camille Mazzella
21 Cooper Ave
Milford, Connecticut 06460

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:
Codespoti & Associates P.C.
504 Boston Post Road – Suite 202, Orange Connecticut 06477

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.
- THE SPECIFICATION BOOK IS AN INTERGRAL PART OF THE DOCUMENTS AND SHALL BE CONSIDERED AS PART OF THESE DRAWINGS.

DRAWING LIST

ARCHITECTURAL

- G-001 COVER SHEET
- G-002 SITE PLAN AND ZONING DATA
- AD-101 FOUNDATION AND FIRST FLOOR DEMOLITION PLANS
- AD-201 DEMOLITION ELEVATIONS
- A-101 FOUNDATION PLAN AND FOUNDATION PLAN ALTERNATE #1
- A-102 FIRST FLOOR PLAN AND FIRST FLOOR PLAN ALTERNATE #1
- A-201 BUILDING ELEVATIONS I
- A-202 BUILDING ELEVATIONS II
- A-301 MISCELLANEOUS DETAILS

STRUCTURAL

- S-101 FOUNDATION PLAN FIRST FLOOR FRAMING PLAN
- S-101.1 FOUNDATION PLAN FIRST FLOOR FRAMING PLAN ALTERNATE #1
- S-102 STRUCTURAL SECTION AND DETAILS
- S-102.1 STRUCTURAL SECTION AND DETAILS ALTERNATE #1
- S-103 STRUCTURAL SECTIONS AND DETAILS II
- S-104 STRUCTURAL GENERAL NOTES SOIL BORING LOGS

ABBREVIATIONS

ADJ	ADJACENT	MAX	MAXIMUM
ALUM	ALUMINUM	MC	MEDICINE CABINET
APPROX	APPROXIMATE	MI	MIRRORED MEDICINE CABINET
ARCH	ARCHITECTURAL	MIN	MINIMUM
BTM	BOTTOM	MO	MASONRY OPENING
B.O.	BOTTOM OF	MV	MICROWAVE
CJ	CEILING JOISTS	NIC	NOT INCLUDED IN CONTRACT
CL	CENTERLINE	OA	OVERALL
CLOS	CLOSET	OC	ON CENTER
CMU	CONCRETE MASONRY UNIT	OPP	OPPOSITE
COL	COLUMN	PSL	PARALLEL STRAND LUMBER
CONC	CONCRETE	PT	PRESSURE TREATED
CONT	CONTINUOUS	REINF	REINFORCED
COORD	COORDINATE	RO	ROUGH OPENING
CT	CERAMIC TILE	RM	ROOM
DW	DISHWASHER	RR	ROOF RAFTERS
DWG	DRAWING	SD	SMOKE DETECTOR
E/F	EXHAUST FAN	SIM	SIMILAR
EX	EXISTING	SPEC	SPECIFICATIONS
EL	ELEVATION	STD	STANDARD
EP	ELECTRICAL PANEL	STL	STEEL
EQ	EQUAL	STRUCT	STRUCTURAL
EQUIP	EQUIPMENT	T.O.	TOP OF
EQUIV	EQUIVALENT	TYP	TYPICAL
FIN	FINISH	VCT	VINYL COMPOSITE TILE
FDN	FOUNDATION	VERT	VERTICAL
FJ	FLOOR JOISTS	VIF	VERIFY IN FIELD
FLR	FLOOR	W/D	WASHER/ DRYER COMBO
FLHB	FROST PROOF HOSE BIB	WD	WOOD
FV	FLOOD VENT	WP	WEATHERPROOF
GALV	GALVANIZED	WWF	WELDED WIRE FABRIC (MESH)
GBI	GRADE BEAM 1	U/C	UNDER CABINET (LIGHTING)
GFCI	GROUND FAULT CIRCUIT INTERRUPTER		
GWB	GYPSPUM WALL BOARD		
GYP	GYPSPUM		
HDWD	HARDWOOD FLOORING		
HM	HOLLOW METAL		
HORIZ	HORIZONTAL		
HWH	HOT WATER HEATER		
JB	JUNCTION BOX		
LO	LINE OF		
LVL	LAMINATE VENEER LUMBER		

SYMBOLS LEGEND

	EXISTING PARTITION/ WALL TO REMAIN		DETAIL TAG: SECTION NUMBER DRAWING NUMBER
	NEW PARTITION/ WALL		SECTION KEY: SECTION NUMBER DRAWING NUMBER
	NEW FOUNDATION WALL AND FOOTINGS		ELEVATION KEY: ELEVATION NUMBER DRAWING NUMBER
	EXISTING TO BE REMOVED		KEYED NOTE TAG
	EXISTING ITEM ABOVE		ROOF SLOPE
	EXISTING WINDOW TO REMAIN		REVISION
	NEW WINDOW		SETBACK LINE
	NEW DOOR		SILT BARRIER
	EXISTING DOOR TO REMAIN		CONSTRUCTION FENCE
	NEW "SMART VENT" FLOOD VENT		PROPERTY LINE
	NEW GAS METER		
	NEW WATER METER		
	PLYWOOD		
	CONCRETE		
	RIGID INSULATION		
	GRAVEL		
	WOOD DECKING		



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STRUCTURAL ENGINEER:



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TEL: 203-999-1400
FAX: 203-999-0011

ENVIRONMENTAL ENGINEER:



ISSUE NO.	ISSUE DATE	DESCRIPTION
1	2 JUNE 2015	ISSUED FOR BID

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

Application No. 5035
**HAZARDOUS MATERIAL ABATEMENT
CONSTRUCTION OF NEW FOUNDATIONS
ELEVATING EXISTING RESIDENCE INTERIOR AND
EXTERIOR ALTERATIONS
FOR
CAMILLE MAZZELLA
21 Cooper Ave, Milford, Connecticut 06460**

COVER SHEET

PROJECT NO.: 1524-31 SCALE AS NOTED

DRAWING NO.: **G-001**

MAP REFERENCES:

1. "MAP OF SHORE PROPERTY OWNED BY MARTIN J. BRADY MILFORD, CT." APRIL 1912. 1"=80' MAP A-17.
2. "PROPERTY BOUNDARY ZONING LOCATION DEPENDENT RESURVEY HARRY & ELIZABETH BROADBROOK 25 COOPER AVENUE MILFORD, CT." 1"=10' BY CLARKE & PEARSON.

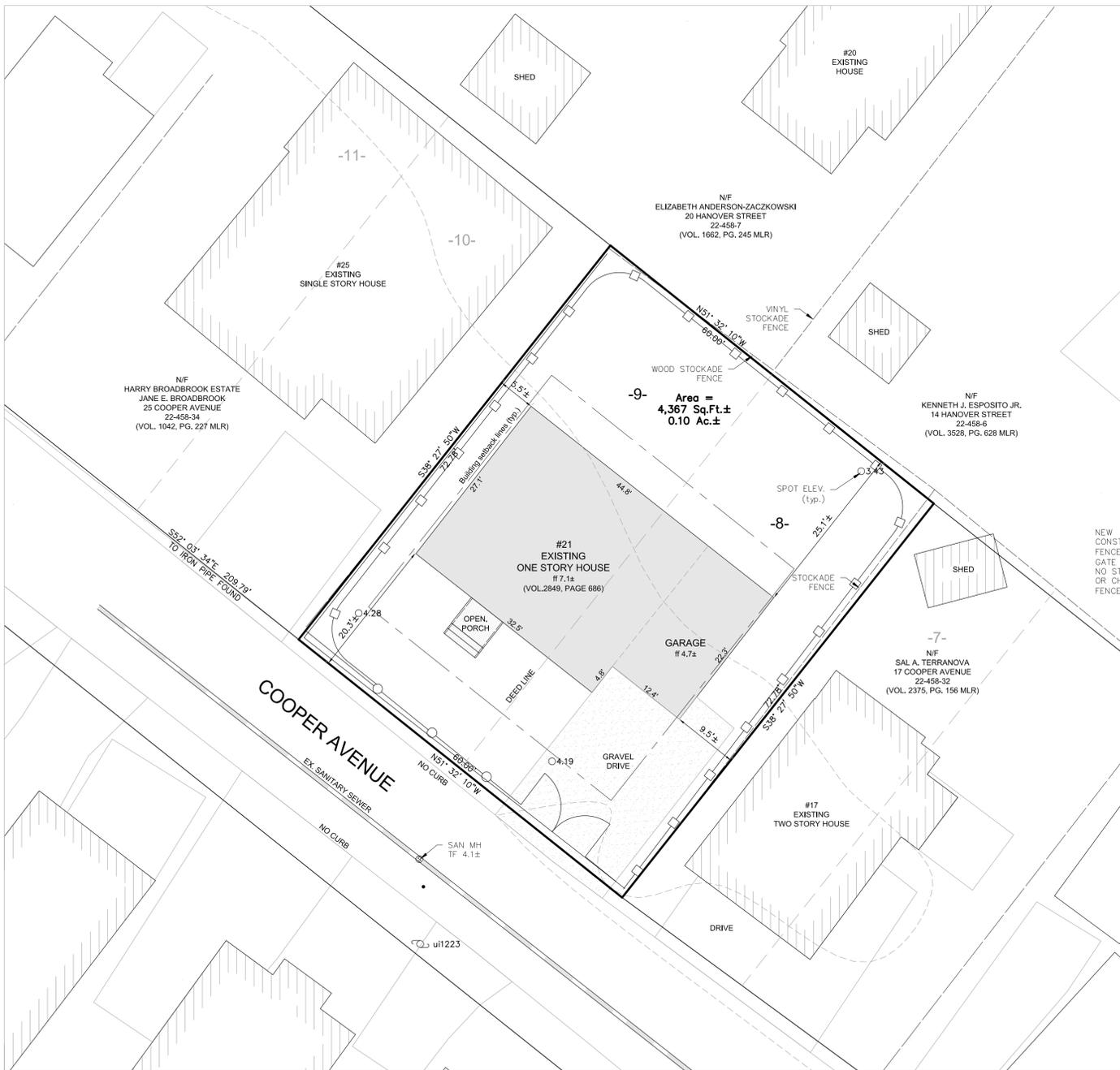
NOTES:

1. UNDERGROUND UTILITY, STRUCTURE AND FACILITY LOCATIONS DEPICTED AND NOTED HEREON HAVE BEEN COMPILED, IN PART, FROM RECORD MAPPING SUPPLIED BY THE RESPECTIVE UTILITY COMPANIES OR GOVERNMENTAL AGENCIES, FROM PAROLE TESTIMONY AND FROM OTHER SOURCES. THESE LOCATIONS MUST BE CONSIDERED AS APPROXIMATE IN NATURE. ADDITIONALLY, OTHER SUCH FEATURES MAY EXIST ON THE SITE, THE EXISTENCE OF WHICH ARE UNKNOWN TO US. THE SIZE, LOCATION AND EXISTENCE OF ALL SUCH FEATURES MUST BE FIELD DETERMINED AND VERIFIED BY THE APPROPRIATE AUTHORITIES PRIOR TO CONSTRUCTION. CALL BEFORE YOU DIG 1-800-922-4455.
2. THIS SURVEY SHALL NOT BE USED WITH AN AFFIDAVIT OR LETTER OF ANY KIND FOR REUSE INCLUDING, BUT NOT LIMITED TO, FUTURE CLOSINGS, PLOT PLANS, CONSTRUCTION, LANDSCAPING, PERMITTING, ETC.. IT IS A VIOLATION OF THE FEDERAL COPYRIGHT ACT TO COPY OR MODIFY AND REUSE THIS SURVEY BEYOND THE DATE AND SCOPE NOTED HEREIN. CODESPOTI & ASSOCIATES, P.C., AND/OR ITS AGENTS SHALL NOT BE LIABLE FOR USE OF THIS SURVEY BY ANY OTHER ENTITIES OR PERSONS FOR ANY PURPOSE BEYOND THE DATE & SCOPE.
3. THE SUBJECT PARCEL APPEARS TO LIE WITHIN FLOOD ZONE "AE-11" AS DEPICTED ON FEMA'S FLOOD INSURANCE RATE MAP (FIRM), ENTITLED NEW HAVEN COUNTY, CONNECTICUT (ALL JURISDICTIONS); PANEL NO. 529 OF 635, MAP NO.09090529J EFFECTIVE JULY 8, 2013 1"=500'. ANY FEMA FLOODPLAIN AND/OR FLOODWAY INFORMATION BY CODESPOTI & ASSOCIATES P.C. DOES NOT WARRANT THE ACCURACY OF THIS INFORMATION, AND MAKES NO REPRESENTATIONS UPON WHICH THE CLIENT SHOULD RELY IN CONNECTION WITH THE FLOOD ZONE OF THE SUBJECT PARCEL OR ANY FEMA FLOODPLAIN AND/OR FLOODWAY INFORMATION DEPICTED HEREON.
4. FIELD CONDITIONS AS OBSERVED ON 2/5/13.
5. THE ORIGINAL DEED OUT (VOLUME 208 PAGE 202) FROM THE SUBDIVISION CONTAINS LANGUAGE INDICATING "RIGHTS OF CROSSING AND RE-CROSSING THE TRACKS OF CONSOLIDATED RAILWAY COMPANY, AND PASSING AND RE-PASSING OVER AND UPON... A PARCEL OF LAND DESCRIBED IN VOL. 108 PAGE 76". HOWEVER VOLUME 3490 PAGE 713, DOES NOT MENTION SAID RIGHTS.
6. ELEVATIONS BASED ON NAVD 1988 DATUM. GPS DERIVED.

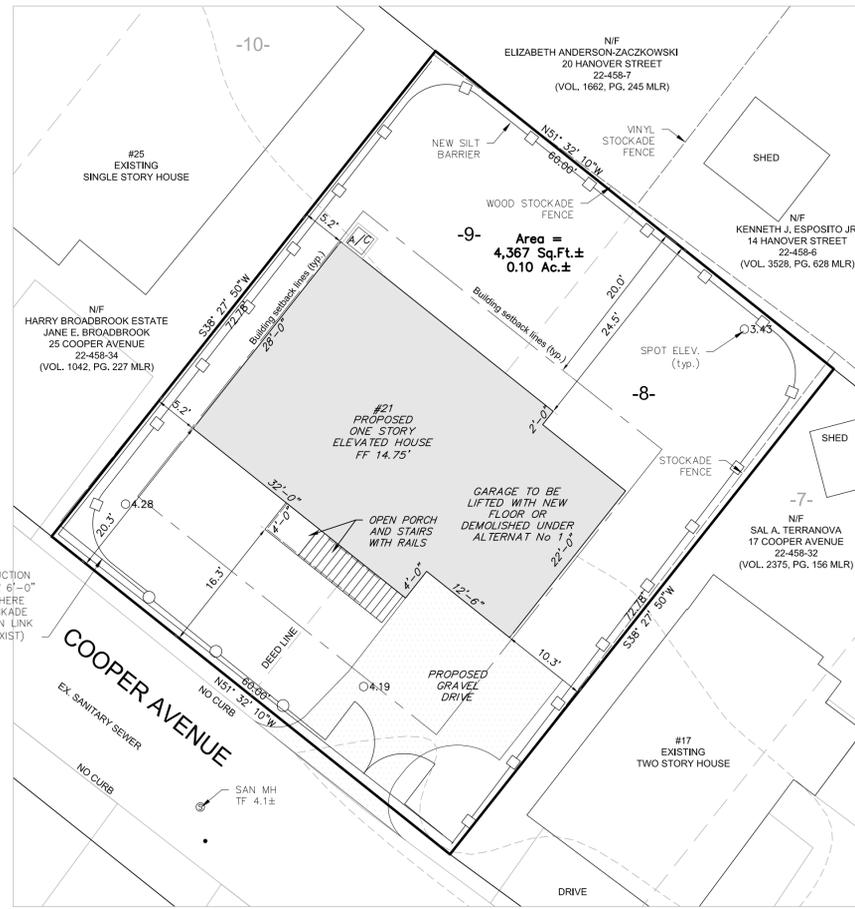
MINIMUM LOT AND BUILDING REQUIREMENTS			
ZONING DATA R-5	REQUIRED	EXISTING	PROPOSED
SEC. 31-4.1.		#21	#21
TOTAL SITE AREA	5,000 Sq.Ft.	4,367 Sq.Ft.±	4,367 Sq.Ft.±
LOT WIDTH	50'	60.00'	60.00'
LOT DEPTH	70'	73.00'	73.00'
FRONT YARD SETBACK	10'	20.3'	20.3'
SIDE YARD	5'/10'	*9.5'/45.5'	5.2'/10.3'
REAR YARD	20'	25.1'±	24.5'
ACCESSORY STRUCTURES:			
SIDE YARD	4'		
REAR YARD	5'		
DIST. FROM DWELLING	8'		
MAX. HEIGHT	15'		
MAXIMUM PERMITTED:			
BUILDING (Stories/Height)	3/35'	1	1
BUILDING AREA AS % OF LOT	45%	26.5% (1,156 sf)	26.8% (1,171 sf)
LOT COVERAGE (max)	65%	27.4% (1,195 sf)	44.5% (1,943 sf)
SEC. 4.1.4			
PROJECTION INTO REQ. YARDS	20% or <4'		
	*Pre-existing non-conforming		

LEGEND

- ① EXISTING CONTOUR
- ⊕ EXISTING TELEPHONE MANHOLE
- ⊕ EXISTING STORM MANHOLE
- ⊕ EXISTING SANITARY MANHOLE
- ⊕ EXISTING CATCH BASIN
- EXISTING SANITARY LINE
- EXISTING STORM LINE
- EXISTING CUTTER LINE
- EASEMENT LINE
- FENCE
- GUARD RAIL
- UTILITY POLE
- WATER VALVE
- WATER GATE
- STONE WALL
- TREE LINE
- ⊕ MONUMENT FOUND
- ⊕ EXISTING LAMP POST
- ⊕ HYDRANT
- ⊕ EXISTING SPOT ELEVATION
- ⊕ IRON PIPE
- UNDERGROUND ELECTRIC
- UNDERGROUND TELEPHONE
- UNDERGROUND WATER
- UNDERGROUND GAS
- UNDERGROUND FOOTING DRAIN
- UNDERGROUND SANITARY LATERAL
- CONSTRUCTION FENCE
- SILT FENCE



EXISTING CONDITIONS



PROPOSED SITE PLAN

OWNER OF RECORD: CAMILLE MAZZELLA
 21 COOPER AVENUE
 MILFORD, CT. 06460
 VOL. 2849, PG. 686 MLR

TOTAL PARCEL AREA: 4,367 SQ.FT.±
 0.10 AC.±

ASSESSORS MAP 22, BLOCK 458, LOT 33.
 PARCEL IS IN ZONE: R5

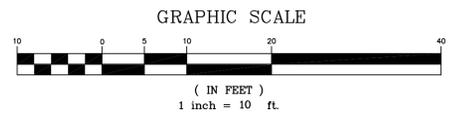
THIS MAP IS VALID AND AUTHORIZED BY THE BELOW SIGNATORY WHEN AND ONLY WHEN ACCOMPANIED WITH A RED LIVE SIGNATURE, A STAMPED SEAL IN BLUE INK AND A LIVE EMBOSSED SEAL OVER THE SIGNATURE'S NAME. ANY OTHER REPRODUCTIONS SHALL BE CONSIDERED UNAUTHORIZED.

NOTES:

1. THIS MAP AND SURVEY HAS BEEN PREPARED IN ACCORDANCE WITH THE REGULATIONS OF CONNECTICUT STATE AGENCIES, SECTIONS 20-300B-1 THRU 20-300B-20, THE MINIMUM STANDARDS FOR SURVEYS AND MAPS IN THE STATE OF CONNECTICUT ENDORSED BY THE CONNECTICUT ASSOCIATION OF LAND SURVEYORS, INC.:
 - A) THE HORIZONTAL ACCURACY CONFORMS TO CLASS "A-2"
 - B) THE BOUNDARY DETERMINATION CATEGORY IS A "DEPENDENT RESURVEY"
 - C) THE TYPE OF SURVEY IS A "ZONING LOCATION SURVEY"

TO THE BEST OF MY KNOWLEDGE AND BELIEF THIS MAP IS SUBSTANTIALLY CORRECT AS NOTED HEREON.

JOSEPH M. CODESPOTI DATE L.S.#70177
 THIS MAP IS NOT VALID WITHOUT A LIVE SIGNATURE AND SEAL.



Lothrop Associates LLP Architects
 100 Pearl Street
 14th Floor
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 860-249-7251

White Plains Rochester Red Bank Hartford

STRUCTURAL ENGINEER:



SURVEYOR:

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 FOR
 CAMILLE MAZZELLA
 21 Cooper Ave, Milford, Connecticut 06460

**SITE PLAN AND ZONING
 DATA**

PROJECT NO.: 1524-31 SCALE AS NOTED

DRAWING NO.: **G-002**

ELECTRICAL LEGEND

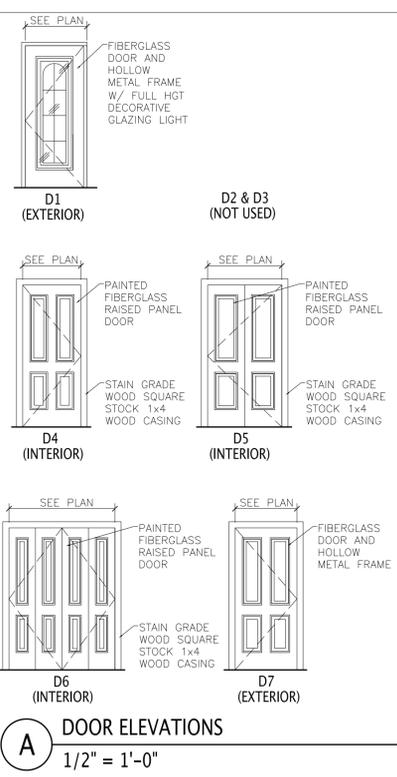
- EP ELECTRICAL PANEL
- DUPLX OUTLET
- GFCI DUPLX OUTLET - GROUND FAULT CIRCUIT INTERRUPTER
- DEDICATED OUTLET - STOVE
- DW DUPLX OUTLET - DISHWASHER
- MV DUPLX OUTLET - MICROWAVE
- WP DUPLX OUTLET - WEATHER PROOF
- DUPLX OUTLET - CEILING MOUNTED FOR OWNER PROVIDED AUTOMATIC GARAGE DOOR OPENER
- NEW TV/ CABLE JACK
- NEW TELEPHONE/ DATA JACK
- NEW GAS CONNECTION
- NEW SWITCH
- NEW 3 WAY SWITCH
- WIRING
- NEW CEILING MOUNTED SMOKE DETECTOR - HARD WIRED INTER CONNECTED
- NEW CEILING MOUNTED CARBON MONOXIDE DETECTOR
- NEW CEILING MOUNTED EXHAUST FAN WITH LIGHT
- NEW UNDER CABINET TASK LIGHTING
- NEW RECESSED DOWN LIGHT
- NEW WALL MOUNTED LIGHT SCONCE
- NEW WALL MOUNTED EXTERIOR LIGHT
- NEW JUNCTION BOX FOR CEILING MOUNTED FAN WITH LIGHT FIXTURE
- NEW WALL MOUNTED DRIVEWAY LIGHT ON SENSOR

CONSTRUCTION KEYED NOTES

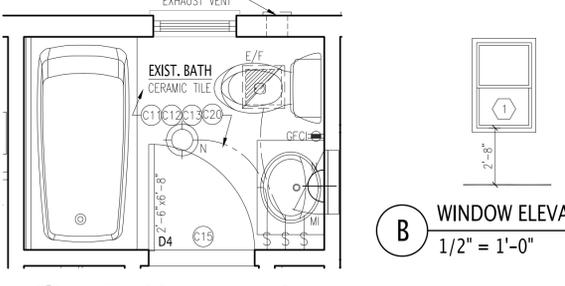
- C1 EXISTING FLOOR JOIST ABOVE TO REMAIN. PROVIDE NEW R-30 BATT INSULATION IN ALL FRAMED JOIST BAYS. PROVIDE NEW EXTERIOR GYPSUM WALL BOARD CEILING
- C2 PROVIDE NEW FLOOR JOIST FRAMING AND PROVIDE NEW R-30 BATT INSULATION IN ALL FRAMED JOIST BAYS UNDER ALL HEATED AREAS. PROVIDE NEW EXTERIOR GYPSUM WALL BOARD CEILING
- C3 PROVIDE 4" CONC. (f_c=3500 PSI) SLAB ON GRADE REINFORCED w/ 6x6-8x8 W.W.M. OVER 6" LAYER OF 3/4" CRUSHED STONE
- C4 NEW 10" CMU WALL(CORE FILLED W/ INSULATION) TO UNDERSIDE OF RAISED FLOOR FRAMING
- C5 RELOCATED SEWER PIPE
- C6 RELOCATED WATER SERVICE PIPE
- C7 RELOCATED GAS PIPE
- C8 RELOCATED GAS METER
- C9 RELOCATED WATER METER
- C10 RE-ROUTED ELECTRICAL CONDUIT FOR METER PAN (ABOVE) USE NEW MATERIAL
- C11 PROVIDE AND INSTALL NEW FINISHED GYPSUM BOARD DRYWALL. PROVIDE NEW R-19 WALL BATT INSULATION WHERE NEEDED
- C12 INSTALL NEW HARDWOOD FINISH FLOOR
- C13 PROVIDE AND INSTALL NEW CERAMIC TILE 4x4 FLOORING AND TILED BASE IN BATHROOM WITH NEW CORIAN DOOR SADDLE. COLOR TO BE SELECTED BY OWNER
- C14 PROVIDE AND INSTALL NEW VCT FLOORING AS NOTED ON DRAWINGS. COLOR TO BE SELECTED BY OWNER
- C15 PROVIDE AND INSTALL NEW PRE-HUNG DOORS INCLUDING ALL DOOR HARDWARE. PROVIDE AND INSTALL NEW DOOR TRIM. DOOR HARDWARE PROVIDED UNDER CONTRACT ALLOWANCE
- C16 PROVIDE AND INSTALL NEW WINDOWS TO MATCH EXISTING
- C17 PATCH EXISTING CHIMNEY OPENING IN FLOOR AND CEILING. MATCH EXISTING FRAMING AND FINISHES
- C18 PROVIDE NEW KITCHEN CASEWORK, COUNTER TOPS, AND ASSOCIATED HARDWARE AS PER CONTRACT ALLOWANCE
- C19 ROUGH IN AND UTILITIES FOR NEW KITCHEN APPLIANCES (APPLIANCES N/C)
- C20 PROVIDE AND INSTALL NEW WATER CLOSETS, VANITY SINKS, AND SHOWER/ TUB COMBO AS PER CONTRACT ALLOWANCE
- C21 PROVIDE NEW H.V.A.C UNIT
- C22 REPLACE EXISTING ELECTRICAL SERVICE PANEL. FACING OPPOSITE SIDE OF WALL ON ALTERNATE 1

GENERAL CONSTRUCTION NOTES

1. DIMENSIONS ARE TAKEN TO FACE OF GYPSUM WALL BOARD OR CONCRETE UNLESS OTHERWISE NOTED.
2. PROVIDE NEW 4"x4" BATHROOM CERAMIC TILE FLOORING WITH CERAMIC TILE BASE AS LISTED. ALL FINAL SELECTIONS SHALL BE APPROVED BY OWNER. SEE SPECIFICATIONS FOR ADDITIONAL INFORMATION.
3. PROVIDE NEW ELECTRICAL DEVICES UP TO 4'-0" A.F.F. AND WIRING, WHERE ELECTRICAL DEVICES AND ASSOCIATED WIRING WERE DAMAGED (TYPICAL ALL ROOMS).
4. PROVIDE NEW HANGER ROD AND SHELF IN CLOSETS WHERE MISSING (TYPICAL).
5. PROVIDE AND INSTALL NEW FIXED SHELVING IN LINEN CLOSET.
6. PROVIDE FIXED SHELVING IN LAUNDRY CLOSET.
7. PROVIDE NEW JUNCTION BOX FOR CEILING FAN/ LIGHT COMBO AT FIRST FLOOR NEW MASTER BEDROOM. CEILING FAN/ LIGHT UNIT IS NOT INCLUDED IN CONTRACT AND SHALL BE PROVIDED BY OWNER.
8. PROVIDE NEW HVAC SYSTEM AND ALL ASSOCIATED DUCTWORK. NEW HVAC UNIT SHALL BE LOCATED IN HALL CLOSET.
9. INSTALL NEW CONDENSER UNIT ACCORDING TO MANUFACTURER'S SPECIFICATIONS. CONNECT TO NEW H.V.A.C. SYSTEM.
10. PROVIDE GAS CONNECTION AT NEW RANGE STOVE
11. PROVIDE GAS CONNECTION AT NEW DRYER
12. PROVIDE GAS CONNECTION AT OWNER PROVIDED NEW FIREPLACE UNIT (NOT INCLUDED IN CONTRACT)
13. PROVIDE TOE KICK HEATER UNIT IN KITCHEN CABINETS
14. REUSE EXISTING SIDING (STORED IN THE HOUSE) FOR PATCHING EXISTING SIDING IF REQUIRED.

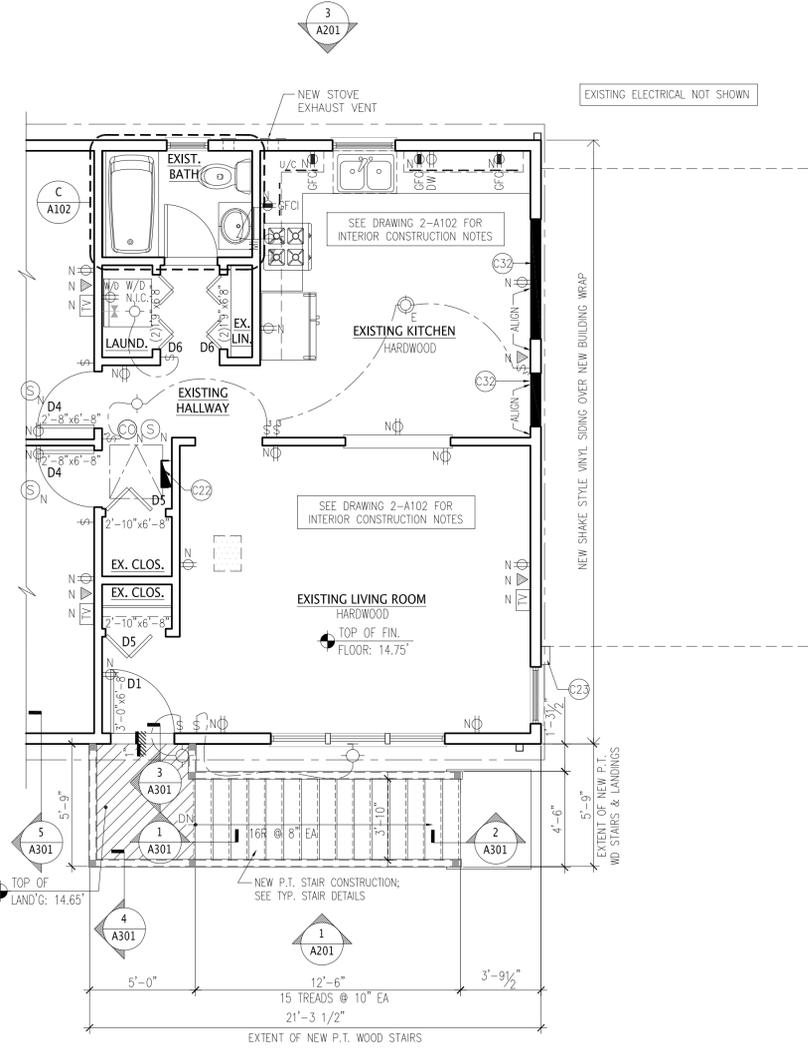


- C23 NEW ELECTRICAL METER PAN AND SERVICE WIRE TO POLE CONNECTION
- C24 EXISTING ATTIC ACCESS HATCH ABOVE TO REMAIN
- C25 PROVIDE NEW 2"x4" WOOD STUD FRAMING @ 16" O.C. PROVIDE 1/2" GYPSUM WALL BOARD EACH SIDE. SPACKLE, TAPE, SAND, PRIME AND PAINT ALL WALLS. COLOR AS SELECTED BY THE OWNER
- C26 PROVIDE NEW 2"x WOOD STUD FRAMING TO MATCH EXIST THICKNESS @ MAX 16" O.C. PROVIDE 1/2" GYPSUM WALL BOARD EACH SIDE. SPACKLE, TAPE, SAND, PRIME AND PAINT ALL WALLS. COLOR AS SELECTED BY THE OWNER
- C27 PROVIDE NEW WOOD DECK, STAIR LANDING, AND STAIRS. PROVIDE NEW STAIR SUPPORT POSTS AND PIERS. SEE STRUCTURAL DRAWINGS
- C28 NEW MINIMUM 2" GRAVEL WITH PLANT GROWTH INHIBITOR GEO-FABRIC UNDER ENTIRE HOUSE
- C29 NEW HOSE BIBB CONNECTED TO EXISTING. PROVIDE NEW SHUT OFF
- C30 PATCH REPAIR EXISTING SIDING WHERE GARDEN HOSE SPIGOT WAS RELOCATED
- C31
- C32 PROVIDE NEW 2"x4" WOOD STUD FRAMING @ 16" O.C. PROVIDE 1/2" GYPSUM WALL BOARD EACH SIDE. PROVIDE R-15 BATT INSULATION AT EXTERIOR WALL. SPACKLE, TAPE, SAND, PRIME AND PAINT ALL WALLS. COLOR AS SELECTED BY THE OWNER
- C33 PROVIDE NEW WOOD STUDS (SIZE TO MATCH EXISTING) @ 16" O.C. WITH 1/2" GYPSUM WALL BOARD INTERIOR. SPACKLE, TAPE, SAND, PRIME AND PAINT ALL WALLS. COLOR AS SELECTED BY THE OWNER. PROVIDE R-15 BATT INSULATION BETWEEN STUDS. PROVIDE PLYWOOD SHEATHING (THICKNESS TO MATCH EXISTING).

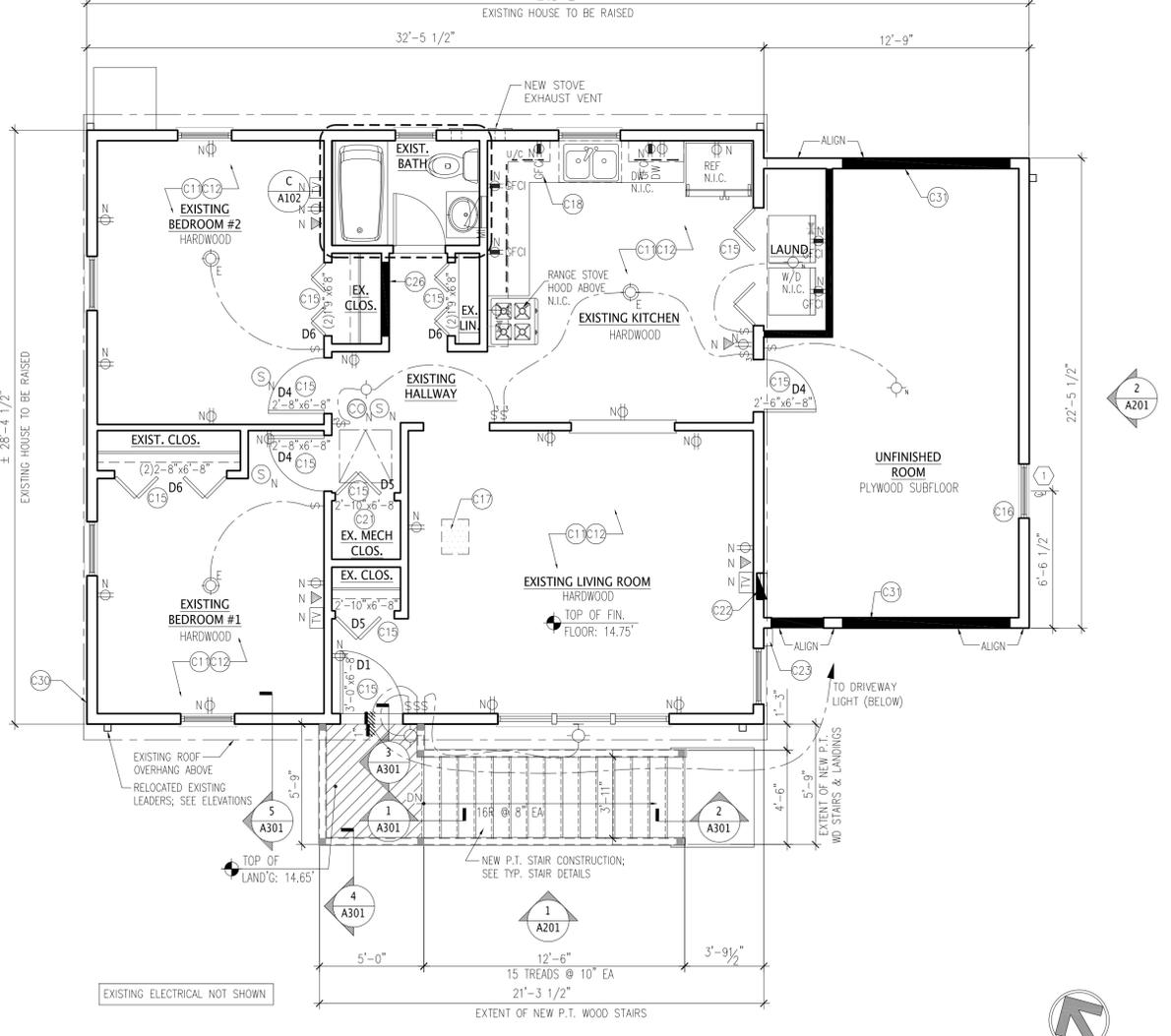


B WINDOW ELEVATIONS
1/2" = 1'-0"

C BATHROOM PLAN
1/2" = 1'-0"



2A FIRST FLOOR PLAN ALTERNATE #1
1/4" = 1'-0"



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



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STRUCTURAL ENGINEER:



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**FIRST FLOOR PLAN
AND FIRST FLOOR PLAN
ALTERNATE #1**

PROJECT NO.: 1524-31 SCALE AS NOTED

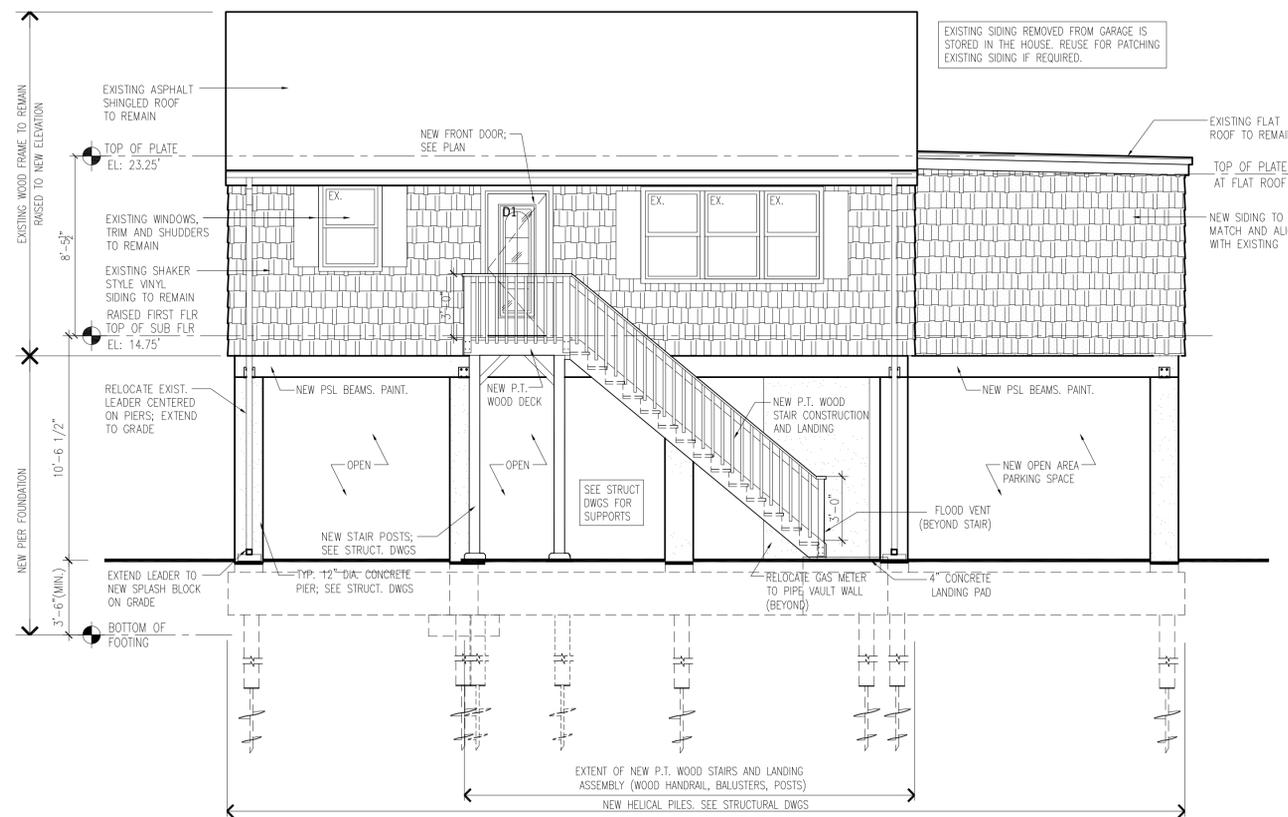
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A-102

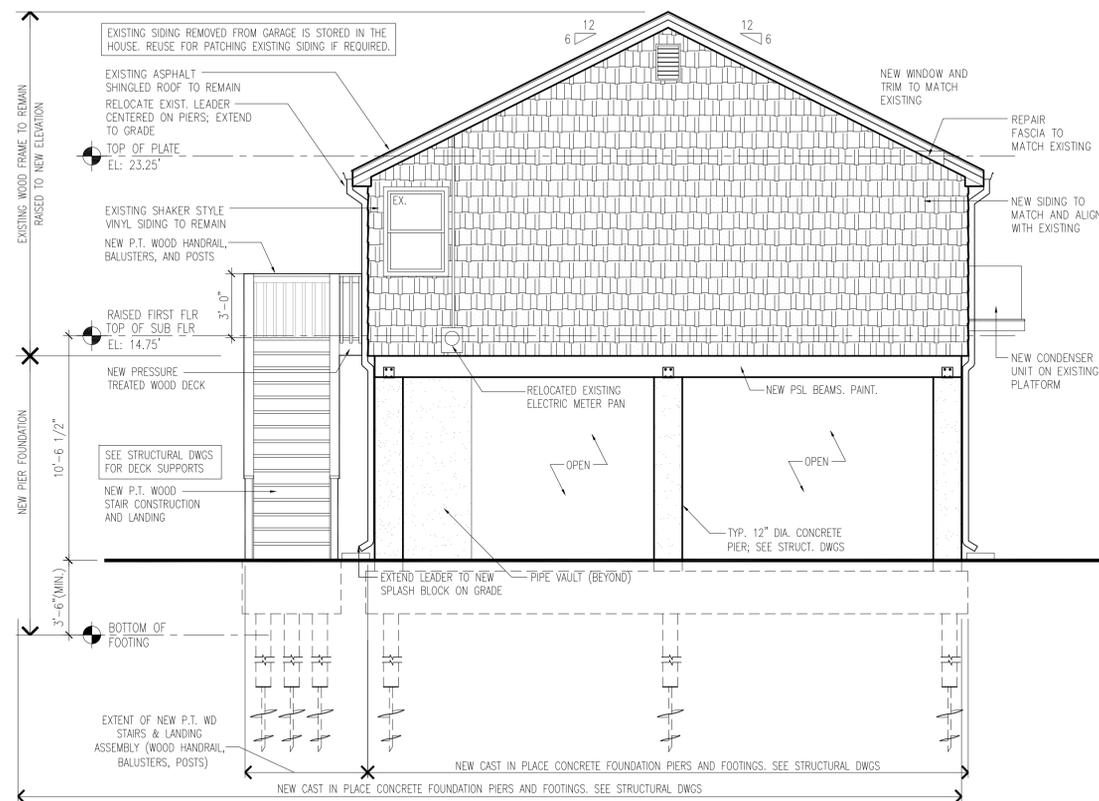




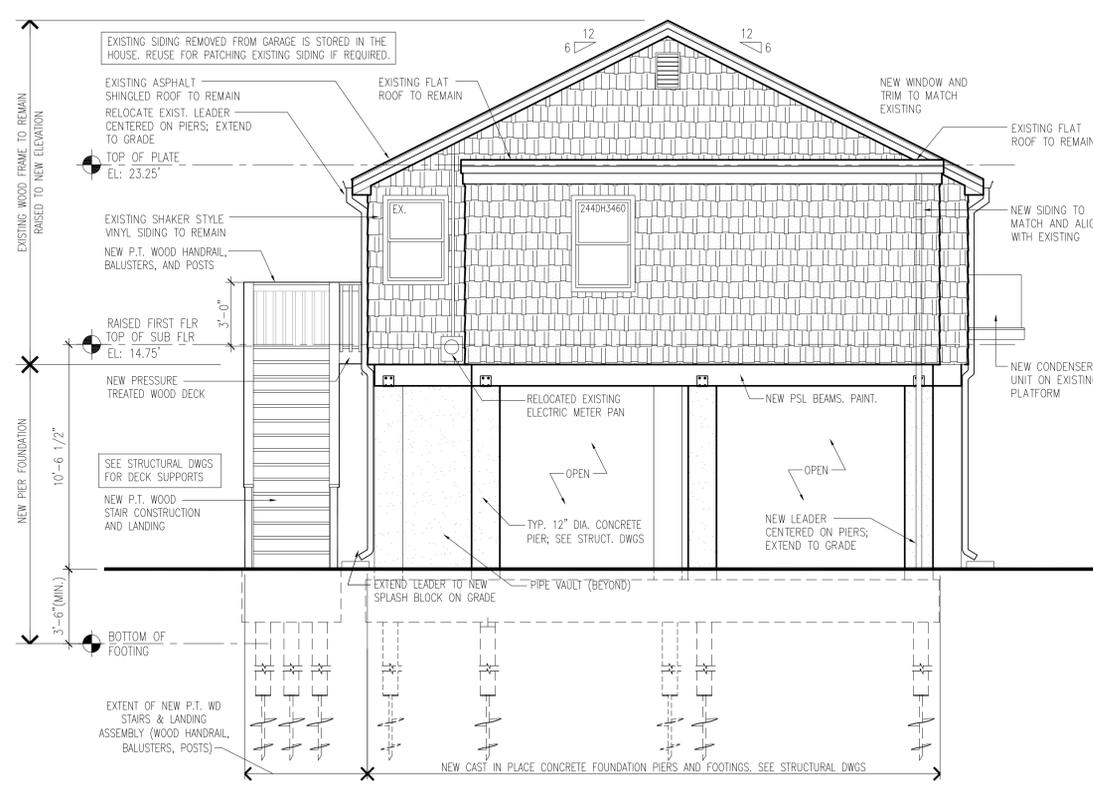
CODESPOTI & ASSOCIATES P.C.
 504 Boston Post Road, Suite 202
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 TEL 203-799-1400
 FAX 203-799-0011



1 ELEVATION - SOUTH
 1/4" = 1'-0"



2A EAST ELEVATION ALTERNATE #1
 1/4" = 1'-0"



2 ELEVATION - EAST
 1/4" = 1'-0"

ISSUE NO.	ISSUE DATE	DESCRIPTION
1	2 JUNE 2015	ISSUED FOR BID

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

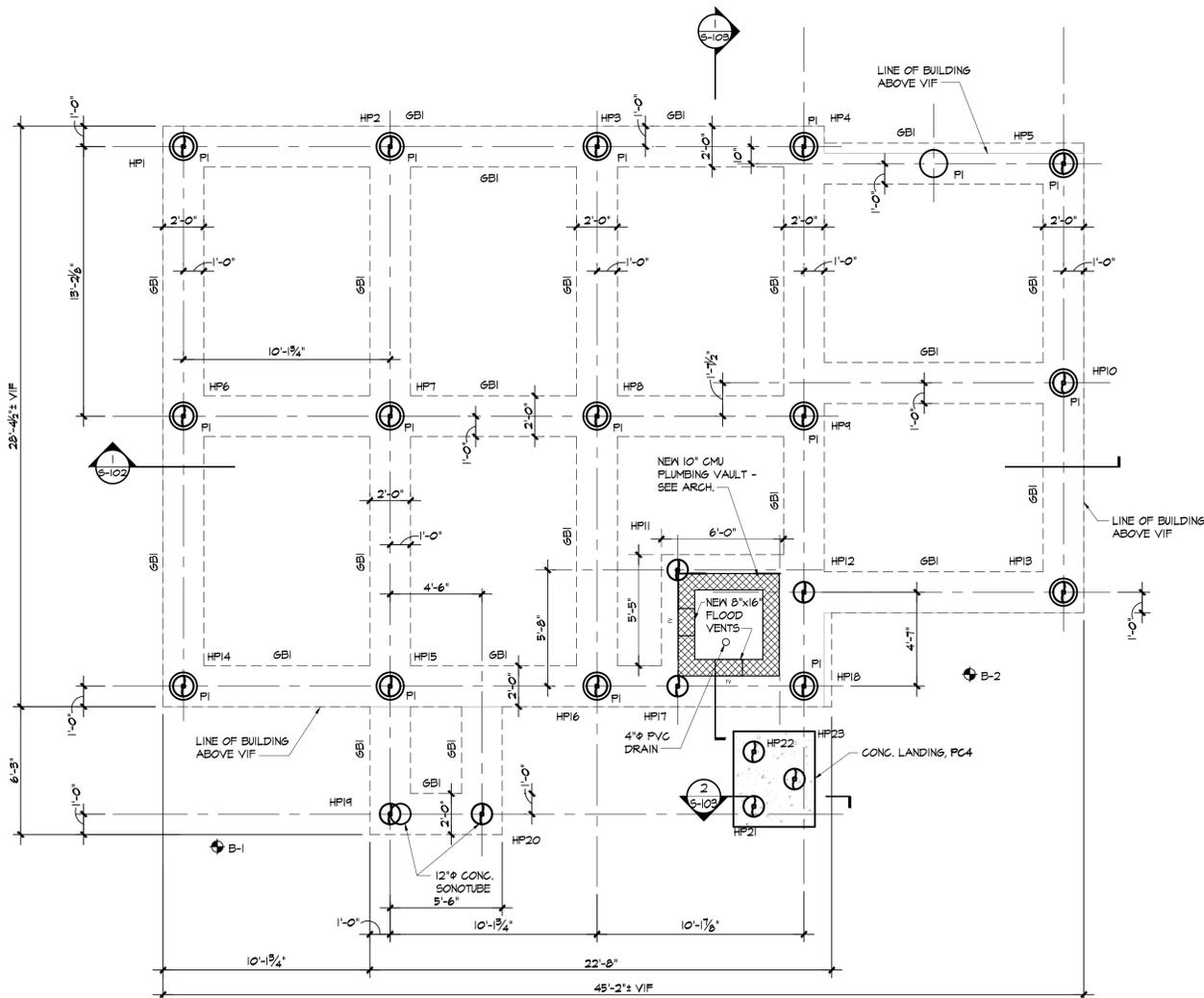
Application No. 5035
 HAZARDOUS MATERIAL ABATEMENT
 CONSTRUCTION OF NEW FOUNDATIONS
 ELEVATING EXISTING RESIDENCE INTERIOR AND
 EXTERIOR ALTERATIONS
 FOR
 CAMILLE MAZZELLA
 21 Cooper Ave, Milford, Connecticut 06460

BUILDING ELEVATIONS I

PROJECT NO.: 1524-31 SCALE AS NOTED

DRAWING NO.:

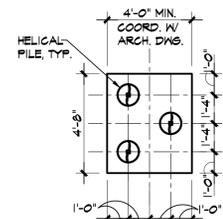
A-201



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

NOTES:

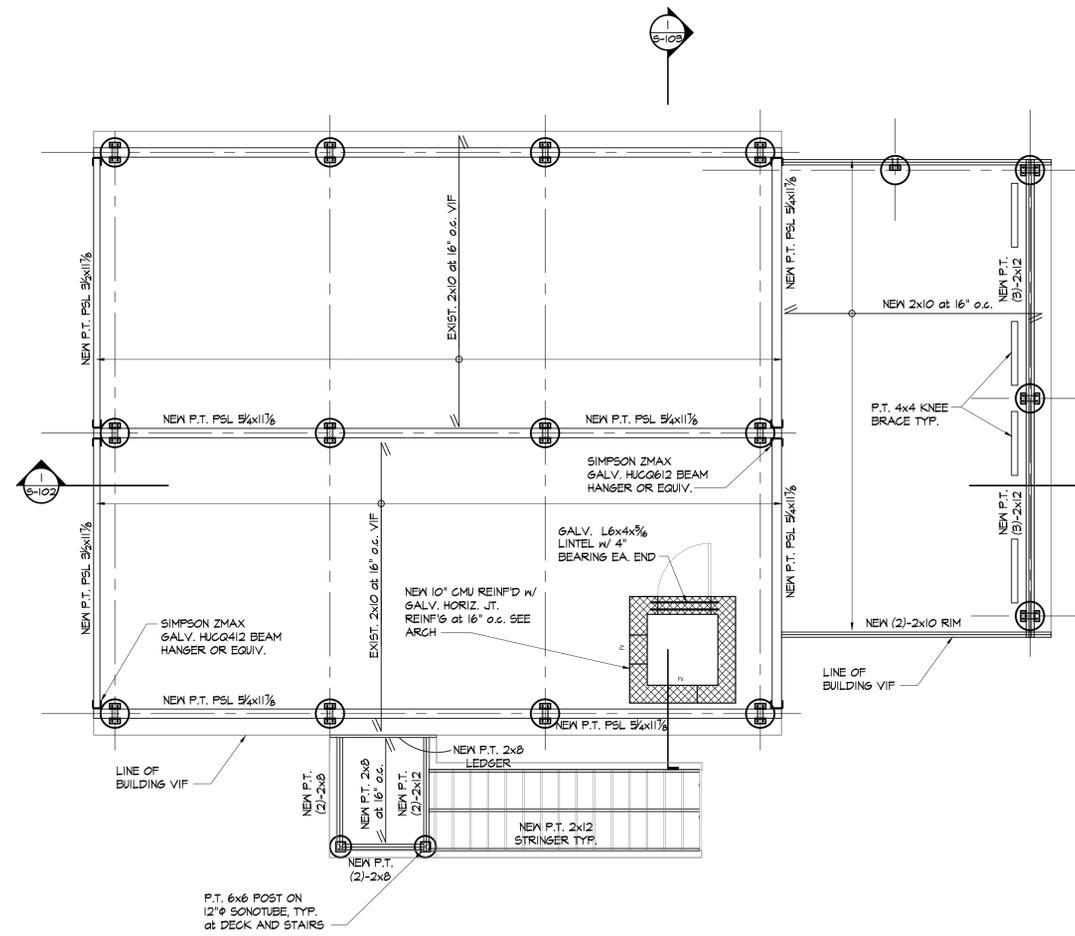
- HP-x (1) DESIGNATES 20,000# ALLOWABLE LOAD HELICAL PILE.
- B-1 DESIGNATES SOIL BORING LOCATION, REFER TO SOIL BORING LOG, DRAWING S-104.
- COORDINATE ALL DIMENSIONS WITH ARCHITECTURAL DRAWINGS AND SITE CONDITIONS.
- GBI DENOTES 2'-0" x 2'-0" GRADE BEAM REINFORCED WITH (3)-#5 TOP AND BOTTOM CONTINUOUS- SEE DETAIL.
- "PI" DENOTES 1'-4" CONCRETE PIER REINFORCED WITH (8)-#5 VERTICAL DONNELS WITH #3 TIES AT 12" o.c., SEE DETAILS.
- COORDINATE SONOTUBE PIER LOCATIONS WITH ARCHITECTURAL DRAWINGS.



PILE CAP PC4

PILE CAP SCHEDULE		
MARK	THICKNESS	TOP AND BOTTOM REINFORCING
PC4	42" MIN.	#4 EACH WAY

PILE CAP DETAILS
 1/4" = 1'-0"



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

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

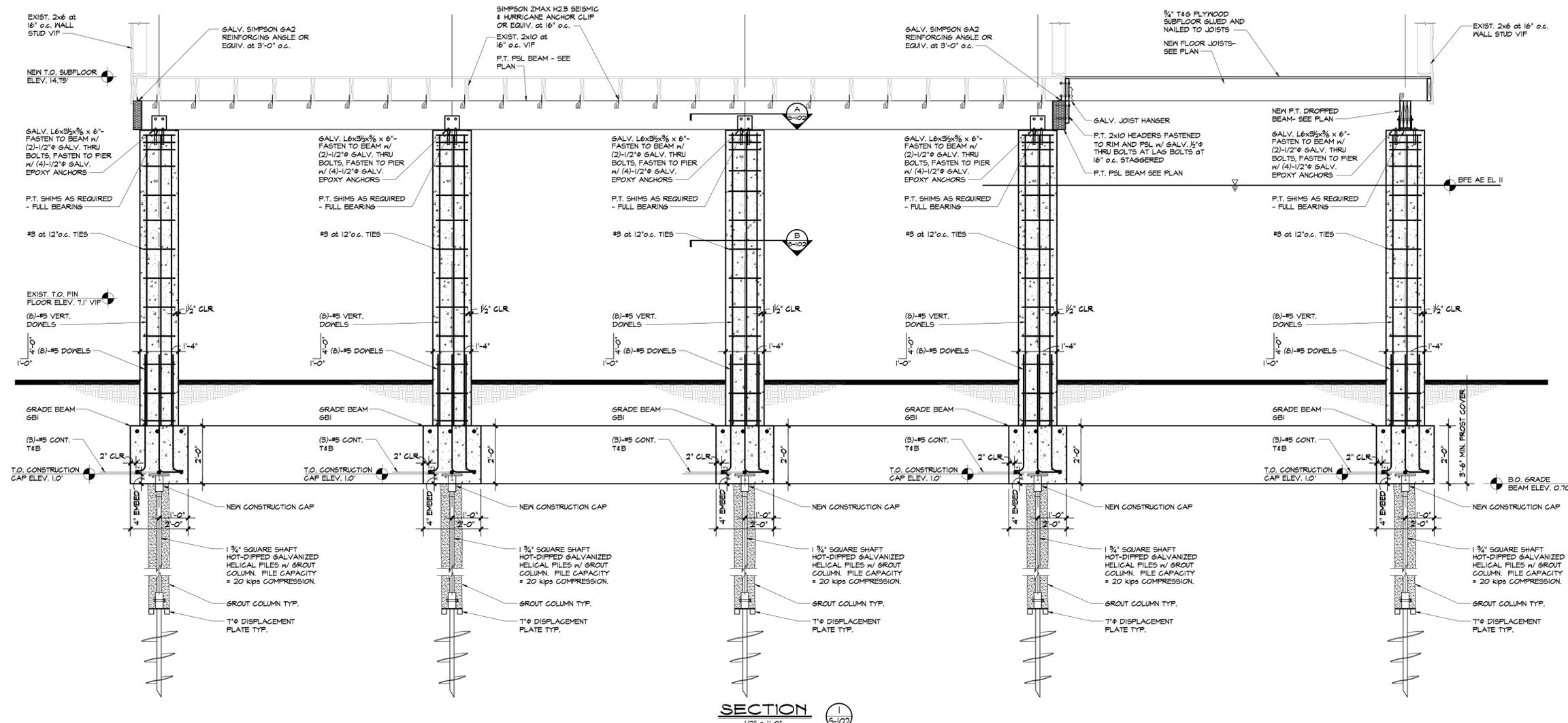
Construction of New Foundation
 and Raising Existing Residence
 for
 Camille Mazzella
 Application No. 5035
 21 Cooper Avenue
 Milford, Connecticut 06460

**FOUNDATION PLAN,
 FIRST FLOOR FRAMING PLAN**

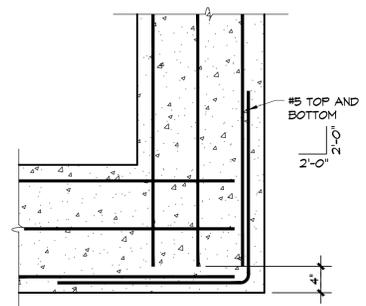
PROJECT NO.: 1524-31 SCALE: AS NOTED

DRAWING NO.:

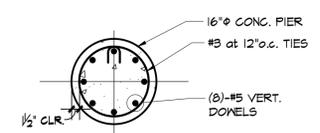
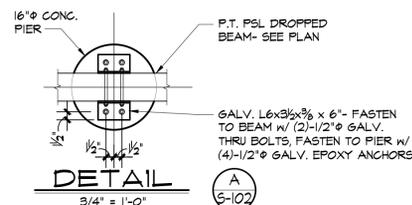
S-101



SECTION 1
 1/2" = 1'-0" (5-102)



TYPICAL GRADE BEAM CORNER REINFORCING
 3/4" = 1'-0"



SECTION B
 3/4" = 1'-0" (5-102)

ISSUE NO.	ISSUE DATE	DESCRIPTION
1	6-02-2015	ISSUED FOR BID

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

Construction of New Foundation
 and Raising Existing Residence
 for
 Camille Mazzella
 Application No. 5035
 21 Cooper Avenue
 Milford, Connecticut 06460

STRUCTURAL SECTIONS AND
 DETAILS

PROJECT NO.: 1524-31 SCALE: AS NOTED

DRAWING NO.:

S-102

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 foundation has been engineered to resist the following design loads in accordance with CSRC Chapter 3.

- Floor live loads:**
- First Floor: 40 psf
 - Second Floor: 30 psf
 - Deck: 60 psf

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

- 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, GCp1 = ±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) - qj x (GCp1) use 23 psf

- 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

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 Pile 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 Pile 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 PURPOSES:

- All piles shall be installed to a depth of 20 feet below elevation + 1 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 constant unit price.

STRUCTURAL NOTES

- FOUNDATION**
- The Contractor shall be responsible for all dewatering, shoring, sheeting, or bracing required to maintain a safe, dry, and stable excavation.
 - No pile caps and grade beams shall be placed in water.
 - Soil adjacent to and below pile caps and grade beams shall be kept from freezing at all times.
 - 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, sewers, and fuel storage tanks to avoid any damage to these. Contractor shall contact "Call Before You Dig" prior to any excavation.
 - Where grade beams are below the groundwater elevation, place 6 inches of crushed stone under footings.

CAST-IN-PLACE CONCRETE

- Concrete strength at 28 days: 3,000 psi for foundation footings. 3,500 psi for concrete slabs-on-grade.
- Air-entrain all concrete, except for concrete for interior slabs-on-grade.
- Reinforcing steel: ASTM A615 grade 60.
- Concrete work shall be in accordance with ACI 301-99 and ACI 318-02.
- Maximum slump: 4 inches for slabs 5 inches for all other concrete.
- Minimum cover on reinforcing steel: concrete cast against the earth 3" concrete exposed to earth or weather #6 and larger 2" #5 and smaller 1 1/2" interior slabs and walls 3/4"
- Interior floor slab shall receive a steel trowel finish. Exterior slabs and sidewalks shall receive a coarse broom finish. Coordinate with architect.
- Grout and rub all exposed surfaces of foundation walls within 48 hours of pour.
- Admixtures containing calcium chloride shall not be used.
- Apply curing compound to slabs immediately following final troweling.
- The testing laboratory shall cast 4 test cylinders for each 50 yards or each day's pour. Slump tests shall be performed when cylinders are cast. Test 1 cylinder at 7 days and 3 cylinders at 28 days.
- Inspections shall be made of reinforcing steel and concrete placement.

STRUCTURAL STEEL

- ASTM A36 for angles, channels, plates, and miscellaneous sections
- Steel lintels to be hot dipped galvanized
- Steel work shall be in accordance with AISC "Specification for the Design, Fabrication, and Erection of Structural Steel for Buildings."
- Portland cement: ASTM C150.
- Hydrated lime: ASTM C207, type S.
- Masonry cement shall not be used.
- Admixtures containing calcium chloride shall not be used.

ENGINEERED LUMBER

- Laminated veneer lumber, LVL, shall be Microllam as manufactured by I Level Truss Joist or equivalent.
- LVL material shall have the following minimum allowable stresses:
 - Flexural stress, Fb = 2,600 psi.
 - Modulus of elasticity, E = 1,500,000 psi.
 - Compression perpendicular to grain, FcL = 750 psi
 - Compression parallel to grain, FcL = 2,310 psi
 - Horizontal shear, Fv = 285 psi.
- Parallel strand lumber, PSL, shall be Parallam as manufactured by I Level Trus Joist, Wolmanized pressure treated, service level 2, or equivalent.
- PSL material shall have the following minimum allowable stresses:
 - flexural stress, Fb = 1,827 psi.
 - modulus of elasticity, E = 1,460,000 psi.
 - compression perpendicular to grain, Fc = 368 psi
 - compression parallel to grain, FcL = 1,508 psi
 - horizontal shear, Fv = 197 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. Bothholes are to be the same diameter as the bolt, and be located 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 16d common wire nails at 12" on center.

ROUGH CARPENTRY

- All framing lumber and plywood shall be clearly marked with a grade stamp.
- All wood framing in contact with concrete or masonry shall be ACQ preservative treated in accordance with AWPA Standards.
- Keep materials under cover and dry. Protect against exposure to weather and contact with damp or wet surfaces. Stack lumber and plywood and other panels; provide air circulation within and around stacks and under temporary covers including polyethylene and similar material.
- Provide lumber with 19% maximum moisture content at time of enclosure for sizes 2" or less in nominal thickness, unless otherwise indicated.
- For structural framing (2" to 4" thick, 5" and wider), provide Douglas Fir-Larch No. 2 grade or better, except preservative treated lumber shall be Southern Pine No. 2 or better.
- Fasteners and Anchorage: Provide size, type, material and finish as indicated and as recommended by applicable standards, complying with applicable Federal Specifications for nails, staples, screws, bolts, nuts, washers and anchoring devices. Provide metal hangers and framing anchors of the size and type recommended by the manufacturer for each use including recommended nails.
- Where rough carpentry work is exposed to weather, in ground contact, or in area of high relative humidity, provide fasteners and anchorages with a hot-dip zinc coating (ASTM A 153).
- Sill Sealer Gaskets: Glass fiber resilient insulation fabricated in strip form for use as a sill sealer, 1" nominal thickness compressible to 1/32"; selected from manufacturer's standard widths to suit width of sill members indicated.
- Carefully select all members. Select individual pieces so that knots and obvious defects will not interfere with placing bolts or proper nailing or making connections.
- Cut out and discard all defects which will render a piece unable to serve its intended function. Lumber may be rejected by the Engineer, whether or not it has been installed, for excessive warp, twist, bow, crook, mildew, fungus, or mold, as well as for improper cutting and fitting.
- Do not shim sills, joists, studs, or other framing components.
- Set carpentry work to required levels and lines, with members plumb and true and cut and fitted.
- Securely attach carpentry work to substrate by anchoring and fastening as shown and as required by recognized standards.
- Drill bolt holes 1/16 inch larger in diameter than the bolts being used. Drill straight and true from one side only. Use washers under head and nut. Do not tighten nut to the point of crushing wood fibers.
- Lag bolts and wood screws shall be screwed into place and not driven with a hammer.

MASONRY:

- Concrete masonry units shall be hollow load-bearing units with light-weight aggregate, conforming to ASTM C90 grade N-1.
- The compressive strength of masonry shall be 1500 psi based on test strength of masonry units of 2150 psi on the net cross sectional area.
- Mortar shall be type "S" conforming to ASTM C270.
- Grout shall conform to ASTM C476, with a minimum 28 day compressive strength of 2,500 psi.
- Portland cement: ASTM C150.
- Hydrated lime: ASTM C207, type S.
- Masonry cement shall not be used.
- Admixtures containing calcium chloride shall not be used.
- Reinforce masonry walls with the following:
 - Hot-dipped galvanized 9 gage Hohmann & Barnard #270 ladder-type Lox-All wire horizontal joint reinforcing or equivalent spaced 16" on center, vertically. Cross wires shall be spaced at 16" on center. Lap reinforcement a minimum of 6". Provide continuity at corners and wall intersections by use of prefabricated "L" and "T" sections.
 - Full height #5 at 4'-0" on center. reinforcing shall be dowelled into foundation walls. Unless other wise noted on drawings, reinforcing steel shall be centered in CMU cores.
 - Solidly grout all cores and courses that contain reinforcing steel. See typical details on drawings for additional information. All reinforcing shall be lap spliced a minimum of 48 bar diameters.
- Reinforcing steel: ASTM A615 grade 60.
- Do not wet concrete masonry units.
- Concrete masonry units shall be laid in running bond with 3/8" joint width and concave tooled mortar joints.
- All joints shall have full mortar beds.

SOILTESTING, INC. 90 DONOVAN RD. OXFORD, CT 06478 CT (203) 262-9328 NY (914) 946-4850		CLIENT: Lothrop Associates LLP Architects		SHEET 1_OF_1 HOLE NO. B-2		
FOREMAN - DRILLER BD/mc		PROJECT NO. G49-9990-15		BORING LOCATIONS per Sketch		
INSPECTOR		PROJECT NAME Mazella Residence		LOCATION 21 Cooper Avenue Milford, CT		
GROUND WATER OBSERVATIONS AT _FT AFTER _HOURS		TYPE CASING HSA SAMPLER SS SIZE I.D. 3 3/4" 1 3/4" HAMMER WT. 140# BIT HAMMER FALL 30"		CORE BAR CORE BAR OFFSET DATE START 3/21/15 DATE FINISH 3/21/15 SURFACE ELEV. GROUND WATER ELEV.		
DEPTH PER FOOT	SAMPLE				DENSITY OR CONSIST	FIELD IDENTIFICATION OF SOIL REMARKS INCL. COLOR, LOSS OF WASH WATER, SEAMS IN ROCK, ETC.
	CASING NO	Type	PEN REC	DEPTH @ BOT		
1	ss	24"	10"	2'0"	4 6	8m FM SAND, sm F gravel, cobbles (Fill)
2	ss	24"	0"	4'0"	7 10	
3	ss	24"	0"	6'0"	7 10	Gry Organic Silty Clay, sm organics (peat)
4	ss	24"	16"	8'0"	7 10	
5	ss	24"	18"	10'0"	6 5	Gry FM SAND Gry FM SAND, sm Organic Silty CLAY (peat), Ir C sand
6	ss	24"	24"	12'0"	7 8	
7	ss	24"	18"	17'0"	13 14	8m F-VF SAND & SILT, sm mc sand
8	ss	24"	18"	22'0"	15 17	8m F-VF SAND & SILT
9	ss	24"	18"	27'0"	11 15	Gry F-VF SAND & SILT
10					20 15	E.O.B. 27'0"

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-2

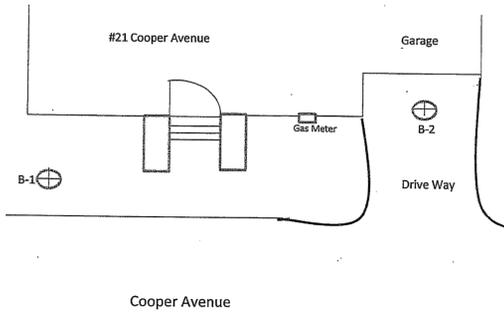
A = AUGER UP = UNDISTURBED PISTON T = THINWALL V = VANE TEST
 WGR = WEIGHT OF RODS WOH = WEIGHT OF HAMMER & RODS C = COARSE
 SS = SPLIT TUBE SAMPLER H.S.A. = HOLLOW STEM AUGER M = MEDIUM
 PROPORTIONS USED: TRACE = 0 - 10% LITTLE = 10 - 20% SOME = 20 - 35% AND = 35 - 50% F = FINE

SOILTESTING, INC. 90 DONOVAN RD. OXFORD, CT 06478 CT (203) 262-9328 NY (914) 946-4850		CLIENT: Lothrop Associates LLP Architects		SHEET 1_OF_1 HOLE NO. B-1		
FOREMAN - DRILLER BD/mc		PROJECT NO. G49-9990-15		BORING LOCATIONS per Sketch		
INSPECTOR		PROJECT NAME Mazella Residence		LOCATION 21 Cooper Avenue Milford, CT		
GROUND WATER OBSERVATIONS AT _FT AFTER _HOURS		TYPE CASING HSA SAMPLER SS SIZE I.D. 3 3/4" 1 3/4" HAMMER WT. 140# BIT HAMMER FALL 30"		CORE BAR CORE BAR OFFSET DATE START 3/21/15 DATE FINISH 3/21/15 SURFACE ELEV. GROUND WATER ELEV.		
DEPTH PER FOOT	SAMPLE				DENSITY OR CONSIST	FIELD IDENTIFICATION OF SOIL REMARKS INCL. COLOR, LOSS OF WASH WATER, SEAMS IN ROCK, ETC.
	CASING NO	Type	PEN REC	DEPTH @ BOT		
1	ss	24"	0"	2'0"	4 5	6" TOPSOIL 8m FM SAND & SILT (Fill)
2	ss	6"	0"	2'6"	4 5	
3	ss	24"	10"	6'0"	6 W.O.H	Gry Silty CLAY, ORGANICS (peat)
4	ss	24"	16"	8'0"	5 5	
5	ss	24"	14"	10'0"	5 5	Gry FM SAND, sm peat Gry FM SAND
6	ss	24"	18"	12'0"	10 10	
7	ss	24"	16"	17'0"	17 20	8m VF-F SAND & SILT
8	ss	24"	24"	22'0"	17 18	8mGry F-VF SAND & SILT
9	ss	24"	18"	27'0"	15 18	Gry F-VF SAND & SILT
10	ss	24"	16"	32'0"	19 20	SAME
					18 20	E.O.B. 32'0"

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
 WGR = 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



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

White Plains Rochester Red Bank Hartford
STRUCTURAL ENGINEER:



ENVIRONMENTAL ENGINEER:



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1	6-02-2015	ISSUED FOR BID

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 and Raising Existing Residence**
 for
Camille Mazzella
 Application No. 5035
 21 Cooper Avenue
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**STRUCTURAL NOTES
 AND
 SOIL BORING LOGS**

PROJECT NO.: 1524-31 SCALE: AS NOTED

DRAWING NO.:

S-104

P:\Arch\2015\101_Mazella\101_Mazella.ctb 3/21/15 10:00 AM DWG by PEP/PL