

GENERAL NOTES

- 1. ELEVATIONS REFER TO CITY OF NEWTON BASE, BENCHMARK: STONE BOUND ON OTIS STREET. ELEVATION = 107.97
- 2. THE LOCATIONS AND ELEVATIONS OF ALL EXISTING UTILITIES SHALL BE CONSIDERED APPROXIMATE AND MUST BE VERIFIED BY THE CONTRACTOR PRIOR TO ANY CONSTRUCTION. THE CONTRACTOR SHALL VERIFY THE THE LOCATIONS OF ANY CROSSINGS OF PROPOSED AND EXISTING UTILITIES.
- 3. MASSACHUSETTS STATE LAW REQUIRES UTILITY NOTIFICATION AT LEAST THREE BUSINESS DAYS PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL CALL DIG-SAFE AT 1-888-344-7233 IN ORDER TO COMPLY
- 4. ALL UTILITY CONSTRUCTION SHALL CONFORM TO THE CITY OF NEWTON GENERAL CONSTRUCTION DETAILS. LATEST EDITION, PREPARED AND ISSUED BY THE NEWTON ENGINEERING DEPARTMENT. COPIES MAY BE OBTAINED AT THE OFFICE OF THE CITY ENGINEER.
- 5. NO WORK WITHIN ANY CITY OF NEWTON RIGHT-OF-WAY IS ALLOWED BETWEEN NOVEMBER 15TH AND APRIL 15TH, IF AN EMERGENCY EXISTS OR THERE ARE EXTENUATING CIRCUMSTANCES, THE APPLICANT MAY REQUEST PERMISSION FROM THE CITY ENGINEER, OR DESIGNEE FOR SUCH WORK.
- 6. ALL CONSTRUCTION ACTIVITIES WITHIN THE CITY OF NEWTON RIGHT-OF-WAY MUST FULLY COMPLY WITH ALL CITY OF NEWTON CONSTRUCTION SPECIFICATIONS AS WELL AS 521 CMR 21.00 AND 22.00.
- 7. PROPOSED SEWER PIPE SHALL BE 6" PVC SDR 35.
- 8. PROPOSED WATER SERVICE SHALL BE 1" TYPE K COPPER.
- 9. THIS PLAN IS THE RESULT OF AN INSTRUMENT SURVEY DONE ON THE GROUND
- 10. ALL WORK SHALL BE SUBJECT TO THE INSPECTION BY AND APPROVAL OF THE CITY ENGINEER. 11. NO EXCAVATION SHALL BE MADE BY THE CONTRACTOR IN ANY PUBLIC WAY OR UTILITY EASEMENT UNLESS AT LEAST FORTY-EIGHT (48) HOURS, EXCLUSIVE OF SATURDAYS, SUNDAYS, AND HOLIDAYS, BEFORE
- THE PROPOSED EXCAVATION IS TO BE MADE, HE HAS SUBMITTED, BY REGISTERED MAIL, WRITTEN NOTICE OF THE PROPOSED EXCAVATION TO THE FOLLOWING: a. SUCH PUBLIC UTILITY COMPANIES AS SUPPLY GAS, ELECTRICITY, AND TELEPHONE SERVICE IN THE CITY. . SUCH PRIVATE COMPANIES AS PROVIDE CABLE TELEVISION SERVICE IN THE CITY.
- CITY OF NEWTON WATER & SEWER DEPARTMENT. SUCH NOTICE SHALL SET FORTH THE STREET NAME AND A REASONABLY ACCURATE DESCRIPTION OF THE
- 12. THE CONTRACTOR SHALL PROVIDE CITY OF NEWTON POLICE OFFICERS FOR THE DIRECTION AND CONTROL OF TRAFFIC, AS REQUIRED BY THE CITY ENGINEER.
- 13. NO WORK SHALL BE PERFORMED UNTIL THE NECESSARY PERMITS ARE OBTAINED FROM THE CITY OF NEWTON PUBLIC WORKS DEPARTMENT.
- 14. ALL TRENCHES IN PAVED STREETS SHALL BE TEMPORARILY PATCHED WITH 1.5 INCH DEPTH OF BITUMINOUS CONCRETE, LAID HOT AND MAINTAINED UNTIL THE PERMANENT PATCH IS INSTALLED. 15. WITH THE EXCEPTION OF GAS UTILITY SERVICES, ALL UTILITY TRENCHES WITHIN ANY CITY OF NEWTON
- RIGHT-OF-WAY WILL BE BACKFILLED WITH TYPE IE (EXCAVATABLE) CONTROLLED DENSITY FILL, AS SPECIFIED BY THE CITY OF NEWTON ENGINEERING SPECIFICATIONS. 16. WARNING SIGNS SHALL CONFORM TO PAGE 12 OF THE CITY OF NEWTON GENERAL CONSTRUCTION DETAILS.
- 17. ALL TOPSOIL, SUBSOIL OR IMPERVIOUS SOIL MUST BE EXCAVATED AND REMOVED BELOW THE LEACHING AREAS AND TO A DISTANCE 5' LATERALLY IN ALL DIRECTIONS BEYOND THE SIDES OF THE AREAS. BACKFILL AS REQUIRED WITH A CLEAN GRANULAR SAND, FREE FROM ORGANIC MATTER AND DELETERIOUS SUBSTANCES, THE SAND SHALL HAVE A PERCOLATION RATE OF 2 MINUTES PER INCH OR FASTER.

REQUIRED

100' MIN.

15' MIN.

0.33 MAX.

2.5 MAX,

20% MAX.

65% MIN.

25 MAX.

15,000 S.F. MIN.

15,000 S.F. MIN.

18. IN CASES WHERE LEDGE OR BOULDERS ARE ENCOUNTERED, EVERETT M. BROOKS CO. WILL NOT BE RESPONSIBLE FOR THE AMOUNT OF ROCK ENCOUNTERED.

LOT 1 — ZONING INFORMATION

PROPOSED

139.18

0.33

2.5

16.4%

74% ±

11.04

1, AREAS FOR F.A.R. CALCULATION PROVIDED BY ARCHITECT

2. ZONING COMPLIANCE DETERMINED BY MUNICIPALITY.

3,394 S.F.

3,394 S.F.

2.044 S.F. ±

5,438 S.F. ±

2,613 S.F.

20,699 S.F. ±

20,699 S.F. ±

PREVIOUS PLAN DATED: OCTOBER 5, 1956

FIRST FLOOR + GARAGE 3,264 S.F

DEED REFERENCE: BOOK 13347 PAGE 230

ZONE: SR-2 (NEW LOT)

LOT AREA PER/ UNIT

SECOND FLOOR

BUILDING HEIGHT

LOT COVERAGE

OPEN SPACE

BUILD FACTOR

STRUCTURES

BUIDINGS

DRIVE

STORIES

LOT AREA

FRONTAGE

SETBACKS

FRONT

SIDE REAR

- 19, IF ANY PART OF THIS DESIGN IS TO BE ALTERED IN ANY WAY, THE DESIGN ENGINEER, AS WELL AS THE APPROVING AUTHORITIES, SHALL BE NOTIFIED IN WRITING BEFORE CONSTRUCTION.
- 20. ALL OF THE ROOF RUNOFF FROM THE AND PROPOSED ROOF SURFACES SHALL BE COLLECTED BY GUTTERS AND DIRECTED TO THE PROPOSED LEACHING GALLEYS.
- 21. PRIOR TO AN OCCUPANCY PERMIT BEING ISSUED, AN AS-BUILT PLAN SHOULD BE SUBMITTED TO THE ENGINEERING DIVISION IN BOTH DIGITAL FORMAT AND HARD COPY. THE PLAN SHOULD SHOW ALL UTILITIES, AND DRAINAGE (INCLUDING SWING-TIES), EASEMENTS AND FINAL GRADING.
- 22. THE APPLICANT WILL HAVE TO APPLY FOR A STREET OPENING & UTILITIES CONNECTION PERMITS AS WELL AS A SIDEWALK CROSSING PERMIT WITH THE DPW.
- 23. THE CONTRACTOR IS RESPONSIBLE FOR NOTIFYING THE DESIGN ENGINEER FOR INSPECTIONS OR AS-BUILT LOCATIONS, EVERETT M. BROOKS CO. WILL NOT PROVIDE AS-BUILT CERTIFICATION TO UNINSPECTED BACKFILLED UTILITIES. A MINIMUM OF 48 HOURS NOTICE IS REQUIRED PRIOR TO INSPECTIONS.
- 24. WHEREVER THE PROPOSED SEWER PIPE DOES NOT HAVE A MINIMUM OF 10' HORIZONTAL SEPARATION OR IS NOT AT LEAST 18" VERTICALLY BELOW THE EXISTING WATER PIPE, THE SEWER PIPE SHALL BE ENCASED
- 25. THE CONTRACTOR SHALL NOTIFY THE ENGINEERING DIVISION 48 HOURS IN ADVANCE AND SCHEDULE AN APPOINTMENT TO HAVE THE DRAINAGE SYSTEM, WATER & SEWER SERVICES INSPECTED. THE SYSTEM & UTILITIES MUST BE FULLY EXPOSED FOR THE INSPECTOR. ONCE THE INSPECTOR IS SATISFIED, THE SYSTEM
- & UTILITIES MAY THEN BE BACKFILLED. 27. THE EXISTING WATER & SEWER SERVICES SHALL BE CUT AND CAPPED AT THE MAIN AND BE COMPLETELY REMOVED FROM THE SITE AND PROPERLY BACKFILLED. THE ENGINEERING DIVISION MUST INSPECT THIS WORK; FAILURE TO HAVE THIS WORK INSPECTED MAY RESULT IN THE DELAY OF ISSUANCE OF THE UTILITY
- CONNECTION PERMIT. 28. IF A CERTIFICATE OF OCCUPANCY IS REQUESTED PRIOR TO ALL SITE WORK BEING COMPLETED, THE APPLICANT WILL BE REQUIRED TO POST A CERTIFIED BANK CHECK IN THE AMOUNT TO COVER THE
- 29. THE PROPOSED SEWER SERVICE LINE WILL NEED TO BE PRESSURE TESTED PRIOR TO USE. 30. ALL TRENCH EXCAVATION CONTRACTORS SHALL COMPLY WITH MASSACHUSETTS GENERAL LAWS CHAPTER 82A, TRENCH EXCAVATION SAFETY REQUIREMENTS, TO PROTECT THE GENERAL PUBLIC FROM UNAUTHORIZED ACCESS TO UNATTENDED TRENCHES. TRENCH EXCAVATION PERMIT REQUIRED. THIS APPLIES TO ALL TRENCHES
- 31. THE APPLICANT/CONTRACTOR SHALL RETAIN A QUALIFIED CONTRACTOR THAT SPECIALIZES IN CLOSED CIRCUIT TELEVISION (CCTV) INSPECTIONS OF DRAINAGE PIPES. TWO INSPECTIONS SHALL BE CONDUCTED (PRE-CONSTRUCTION AND POST-CONSTRUCTION). THE VIDEO TAPES/CD'S SHALL BE GIVEN TO THE REPRESENTATIVE OF THE ENGINEERING DIVISION AT THE END OF EACH INSPECTION.

 CONTRACTOR MUST PROVIDE A MINIMUM OF 48—HOURS NOTICE TO ALLOW A REPRESENTATIVE
- OF THE ENGINEERING DIVISION TO BE PRESENT AT TIME OF INSPECTION. 32. PROPOSED DRAIN PIPE SHALL BE 6" PVC SCHEDULE 40.

33. PROPOSED WALLS BY OTHERS.

LOT 2 - ZONING INFORMATION

PROPOSED

49.78'

24.4

0.19

27.2

14.3%

72% ±

1,690 S.F

28,530 S.F. ±

28,530 S.F. ±

PREVIOUS PLAN DATED: OCTOBER 5, 1956

FIRST FLOOR + GARAGE 3,652 S.F.

DEED REFERENCE: BOOK 13347 PAGE 230

ZONE: SR-2 (REAR LOT)

LOT AREA PER/ UNIT

SECOND FLOOR

BUILDING HEIGHT

LOT COVERAGE

OPEN SPACE

STORIES

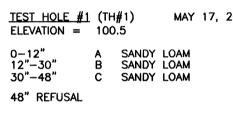
LOT AREA

FRONTAGE

SETBACKS

FRONT

REMAINING WORK, THE CITY ENGINEER SHALL DETERMINE THE VALUE OF THE UNCOMPLETED WORK THE ENTIRE ROOF RUNOFF AREA SHALL BE COLLECTED BY GUTTERS AND DIRECTED TO THE PROPOSED DRAIN MANHOLE SOIL LOG: TEST HOLE #1 (TH#1) ELEVATION = 100.5SANDY LOAM SANDY LOAM 12"-30" SANDY LOAM 48" REFUSAL



36' MAX. 2.5 MAX, 17% MAX. 65% MIN.

25 MAX.

REQUIRED

20' MIN.

23' MIN.

23' MIN.

0.20 MAX.

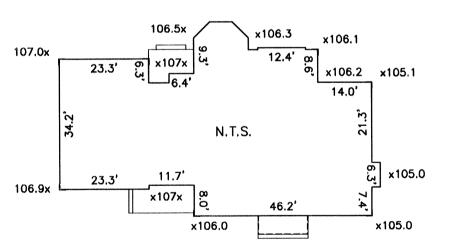
18,000 S.F. MIN.

18,000 S.F. MIN.

BUILD FACTOR 18.44 4,086 S.F. BUIDINGS STRUCTURES 4,086 S.F.

3.844 S.F. ± 7,930 S.F.

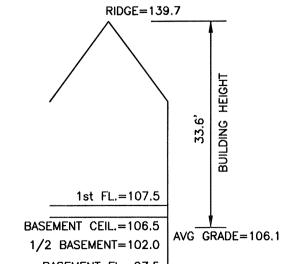
1. AREAS FOR F.A.R. CALCULATION PROVIDED BY ARCHITECT 2. ZONING COMPLIANCE DETERMINED BY MUNICIPALITY.



AVERAGE GRADE CALCULATION: $AVG = \Sigma[(E1+E2)/2XL] / P$

LOT 1 - AVERAGE GRADE CALCULATION

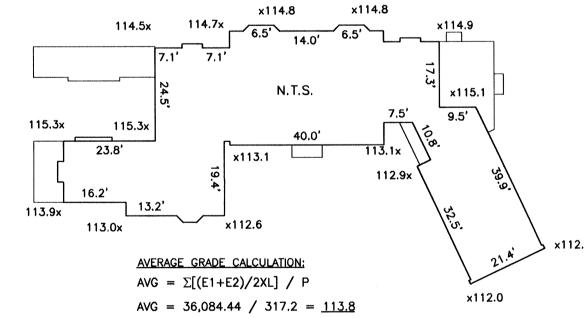
AVG = 25,333.34 / 238.7 = 106.1



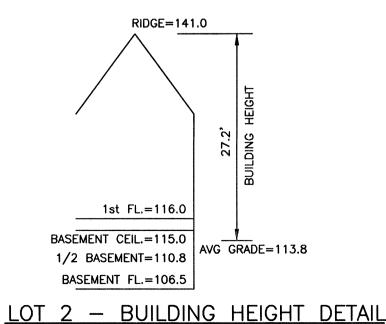
N.T.S.

BASEMENT FL.=97.5

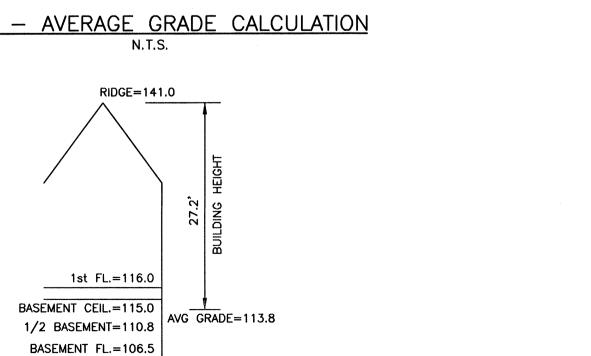
LOT 1 - BUILDING HEIGHT DETAIL

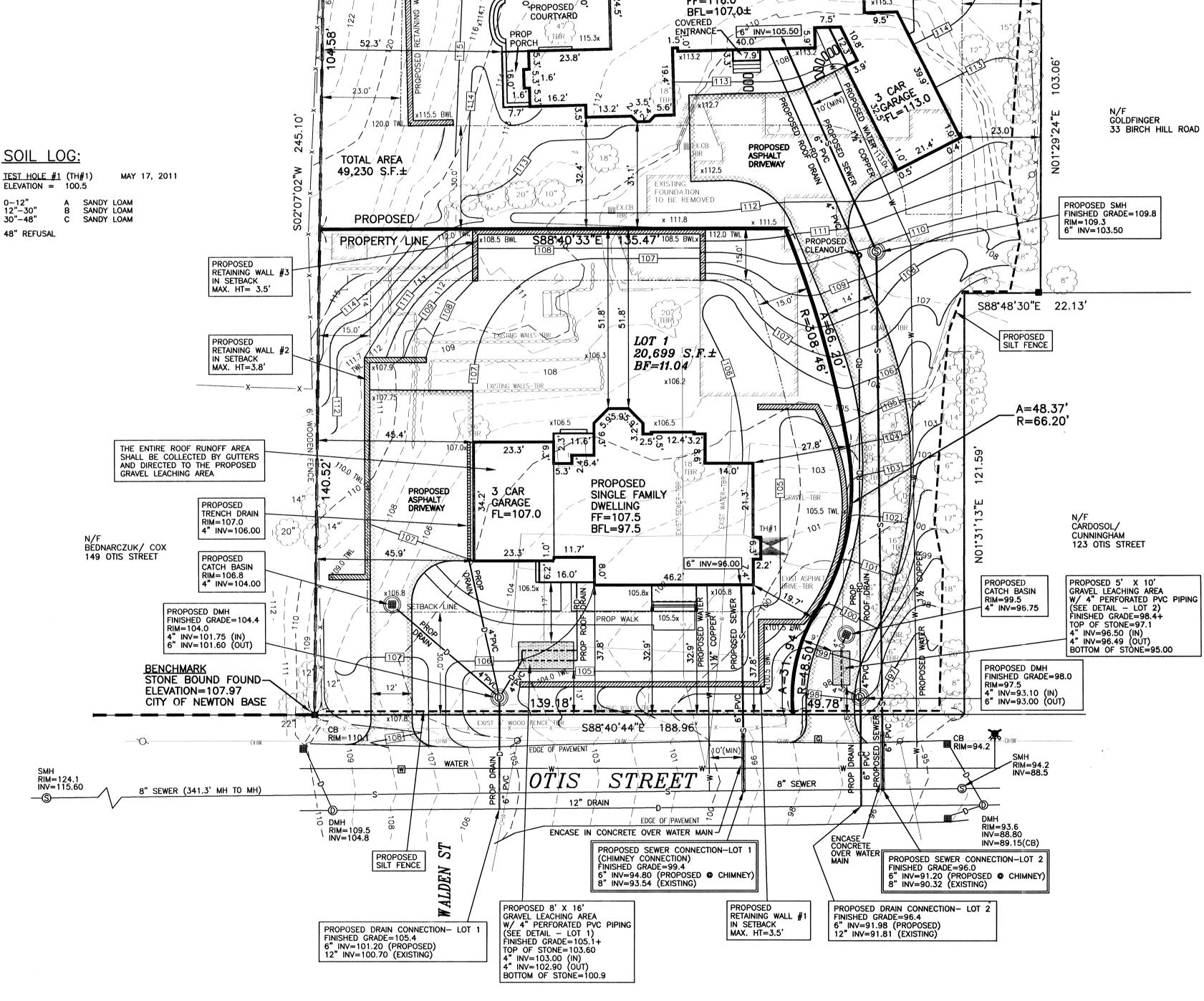


<u> 2 – AVERAGE GRADE CALCULATION</u>



N.T.S.





BEDNARCZUK/ COX

► x114.8

FF=116.0

SINGLE FAMILY DWELLING

S89*50'03"W 203.92'

(x114.7

- x - /x - x - x - x - x

09.0 PROP PORCH 9.

x114/3

51.3'

148 HIGHLAND STREET

6' WOODEN FENCE

PATIO

x115.3

28.530 S.F.±

23.0'

BF=18.44

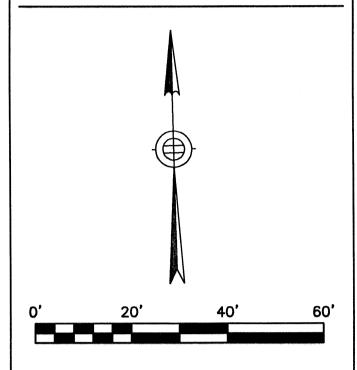
x114.5

EVERETT M. BROOKS CO. **SURVEYORS & ENGINEERS**

49 LEXINGTON STREET WEST NEWTON, MA 02465

(617) 527~8750 (617) 332~1578 FAX info@everettbrooks.com

BIRCH HILL ROAD



LEGEND

O UTILITY POLE W WATER GATE HYDRANT G GAS GATE SEWER MANHOLE DRAIN MANHOLE E CATCH BASIN TREE

LIGHT POLE SIGN

TBR TO BE REMOVED TBA TO BE ABANDONED TOW TOP OF WALL BOW BOTTOM OF WALL TH#1 DEEP TEST HOLE

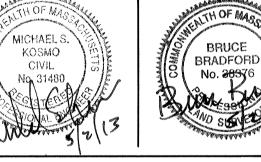
PT#1 PERCOLATION TEST SPOT ELEVATION PROPOSED CONTOUR **EXISTING CONTOUR**

DRAIN LINE

FOUNDATION DRAIN WATER LINE SEWER LINE

GAS LINE STONEWALL 2000000

> \sim TREE LINE



SITE PLAN OF LAND IN NEWTON, MA

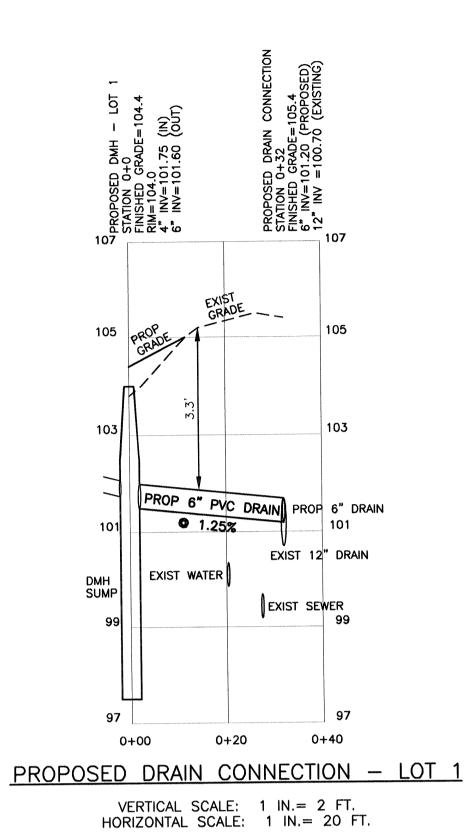
131 OTIS STREET LAYOUT & UTILITY PLAN

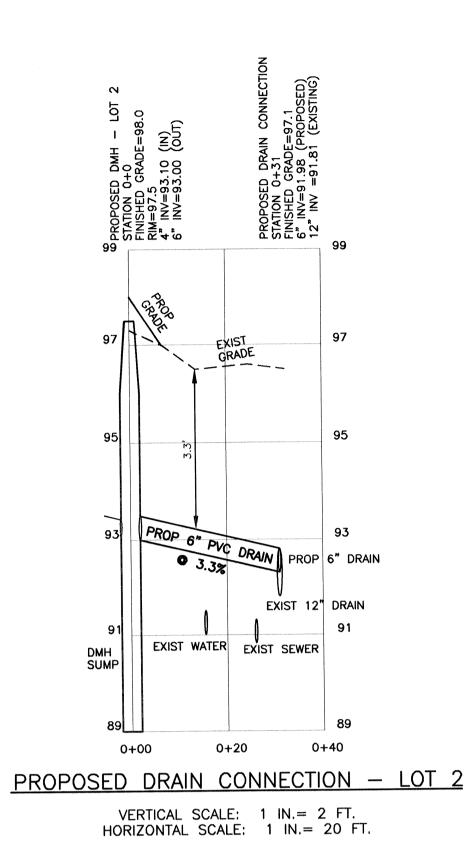
OWNER/ APPLICANT: FALLON CUSTOM HOMES & RENOVATIONS 171 RESERVOIR STREET NEEDHAM, MA 02494 781-237-0505

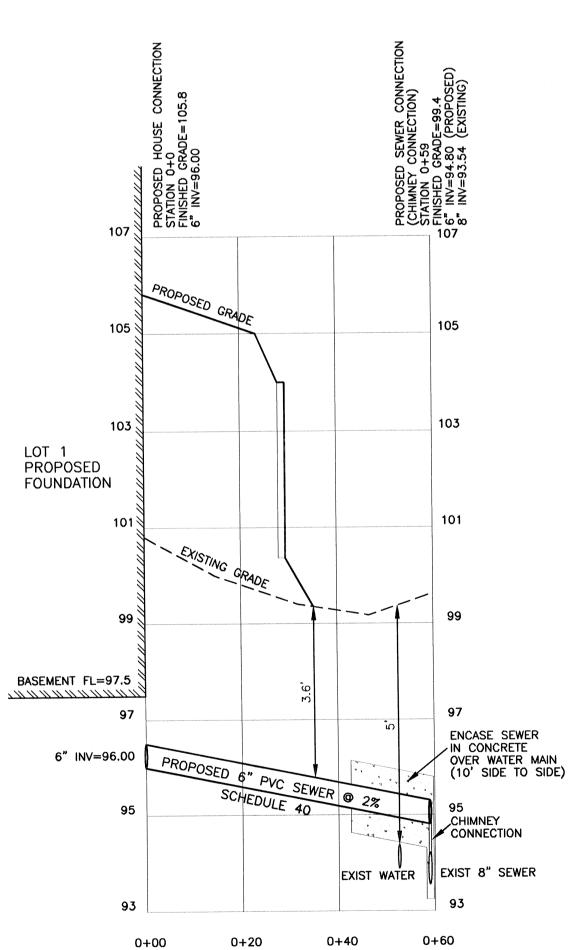
SCALE: 1 IN.= 20 FT. DATE: MAY 2, 2013 DRAWN: JF/ ES CHECK: BB & MSK

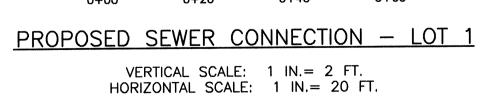
REVISIONS:

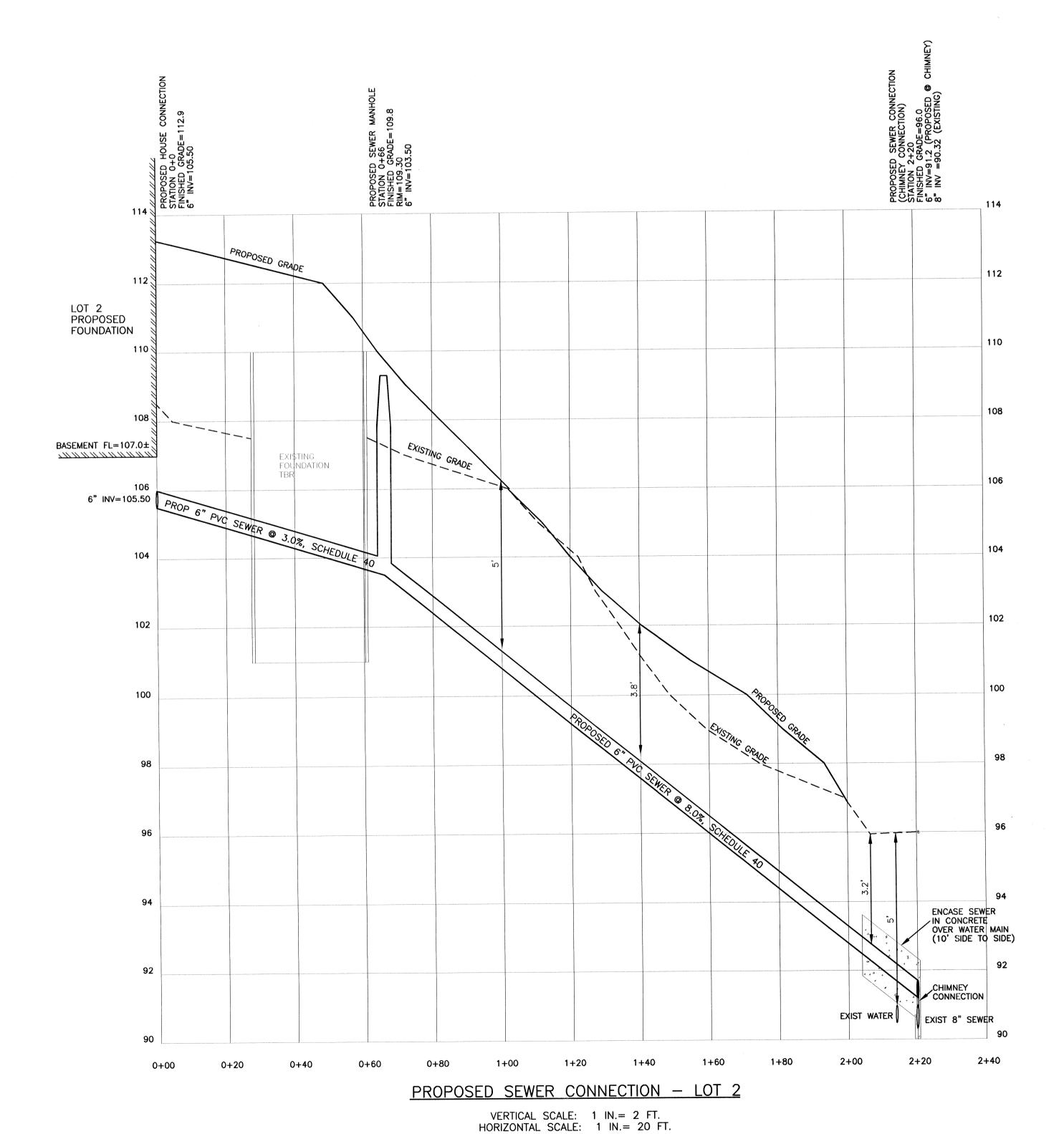
PROJECT NO. 24096 SHEET 2 OF 4







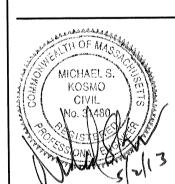




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WEST NEWTON, MA 02465





131 OTIS STREET PROFILES

OWNER/ APPLICANT:
FALLON CUSTOM HOMES & RENOVATIONS
171 RESERVOIR STREET
NEEDHAM, MA 02494
781-237-0505

SCALE: 1 IN.= 20 FT.

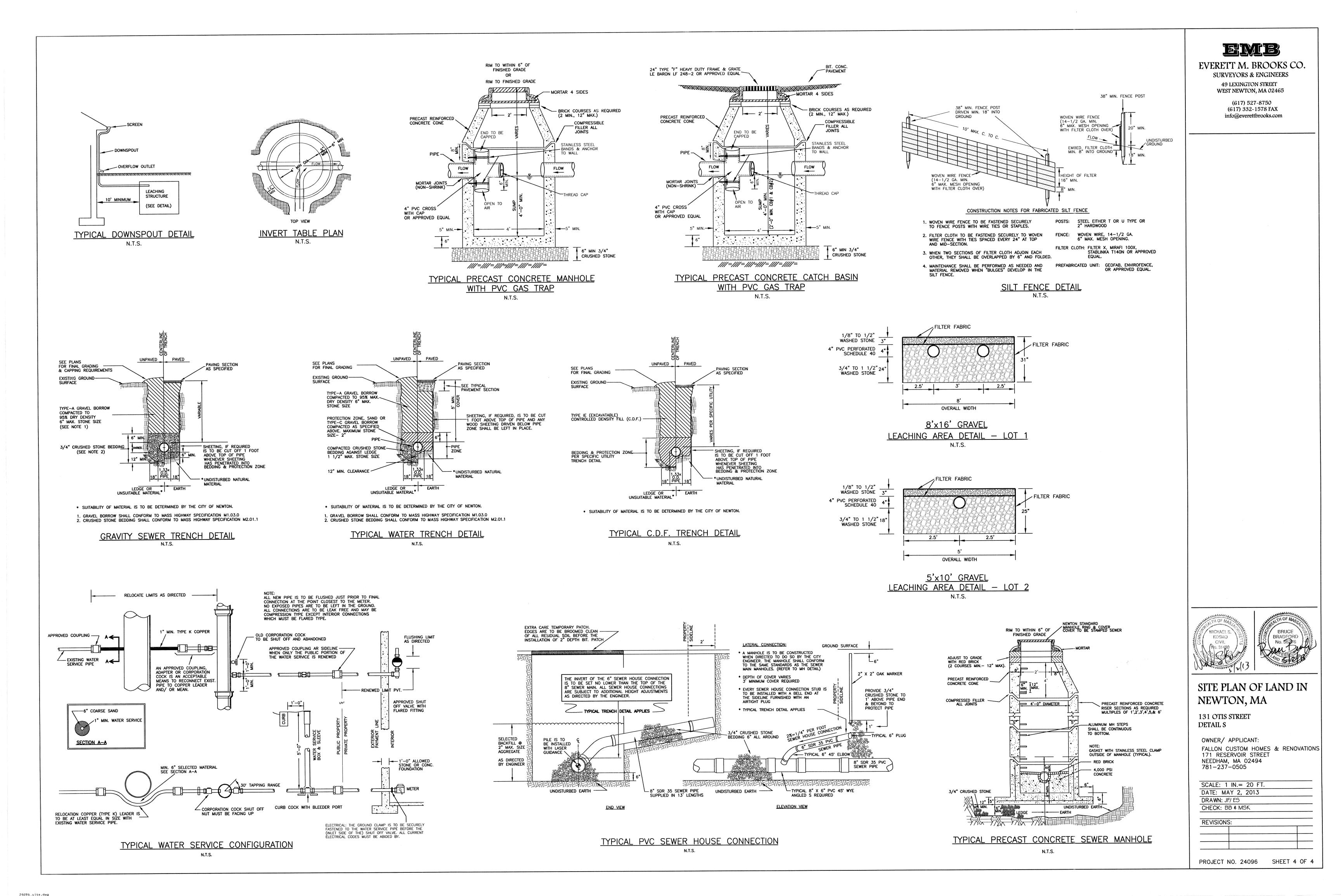
DATE: MAY 2, 2013

DRAWN: JF/ ES

CHECK: BB \$ MSK

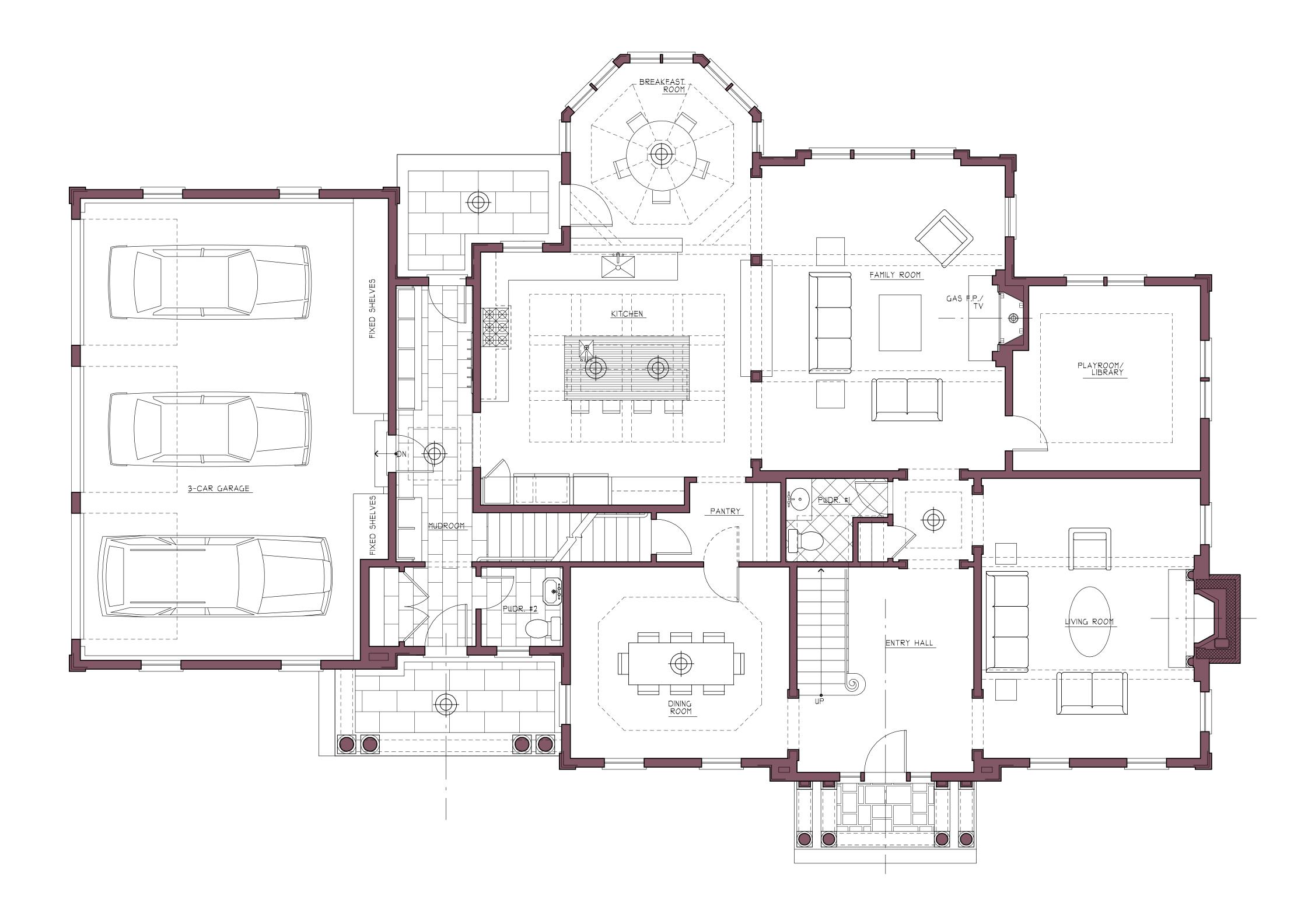
REVISIONS:

PROJECT NO. 24096 SHEET 3 OF 4









FIRST FLOOR PLAN

Date: May 17, 2013

Ownership and use of documents:

Drawings and specifications as instruments of professional service and shall remain the property of the Architect. These documents are not to be used in whole or part for any other projects or purposes, or by any other parties, than those properly authorized by contract, without the specific written authorization of Jan Gleysteen Architects, Inc.

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131 OTIS STREET NEWTON, MA 02460

Fallon Custom Homes
171 Reservoir Street
Needham, MA 02494

File No.: 131 Otis Street - Plan.eac

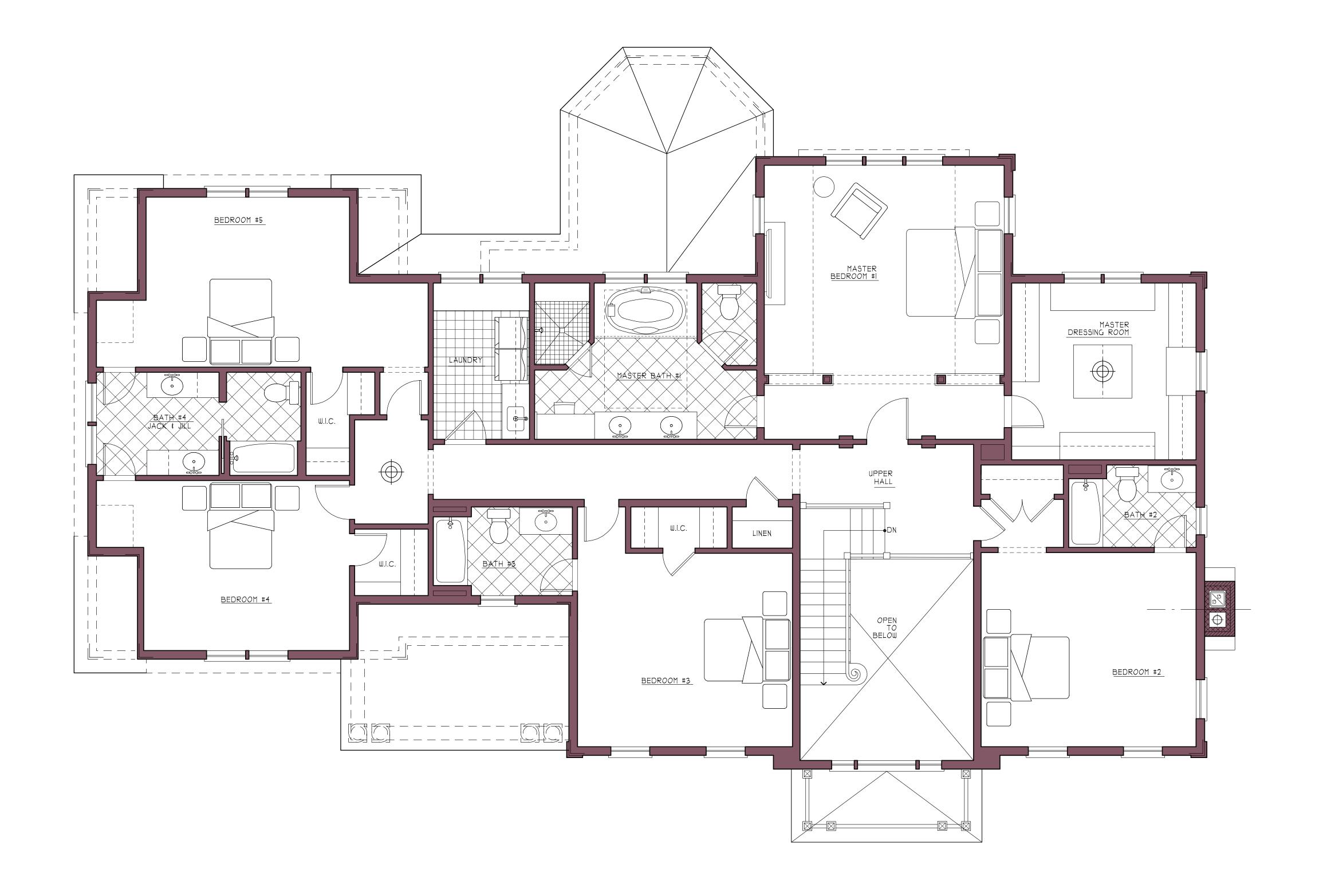
Scale: 1/4" = 1'-0" Drawn By: T.R. Issue Date: 4/9/13 5/17/13

Revision:

www.jangleysteeninc.com

Drawing Title:

FIRST FLOOR PLAN



SECOND FLOOR PLAN

SCALE: 1/4" = 1'-0"

Date: May 17, 2013

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File No.: 131 Otis Street - Plan.eac
Scale: 1/4" = 1'-0"

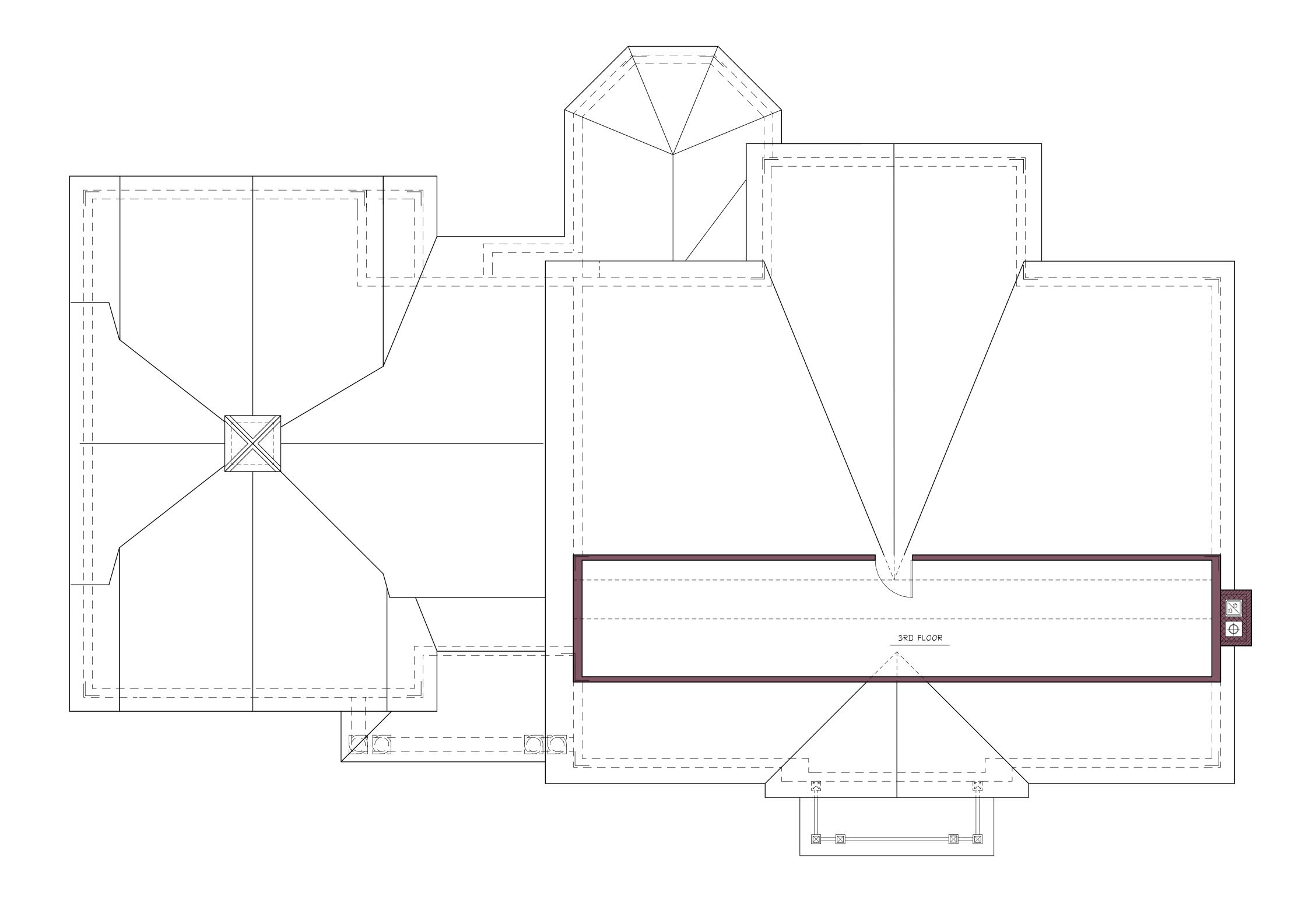
 Scale:
 1/4" = 1"

 Drawn By:
 T.R.

 Issue Date:
 4/9/13

 Revision:
 5/17/13

Drawing Title:
SECOND FLOOR PLAN



THIRD FLOOR PLAN

SCALE: 1/4" = 1'-0"

Date: May 17, 2013

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File No.: 131 Otis Street - Plan.eac

Scale: 1/4" = 1'-0"

Drawn By: T.R.

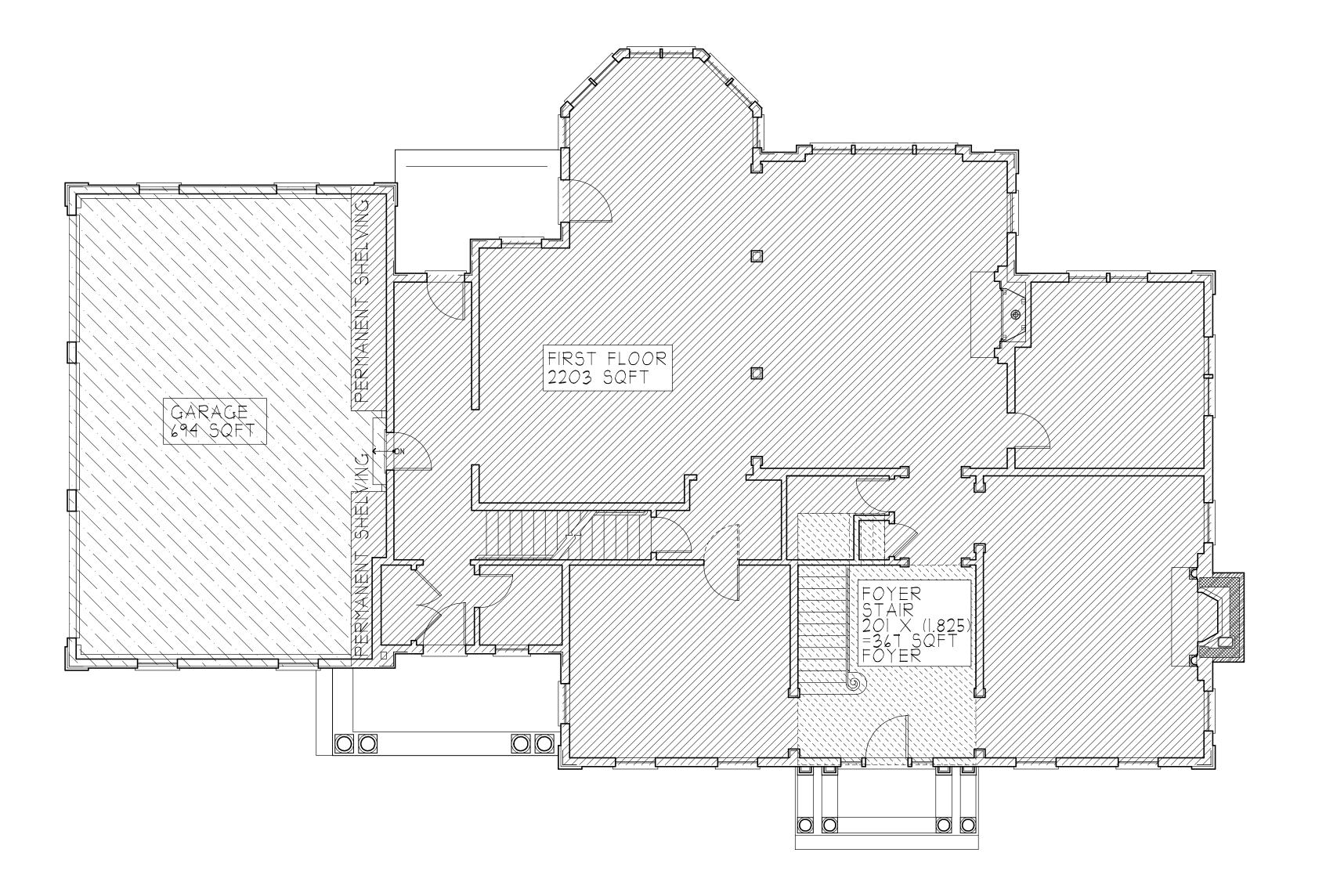
Issue Date: 6/15/10

Revision:

Drawing Title:

THIRD FLOOR PLAN

Otis Street, Mewton Make



FLOOR AREA RATIO CALCULATIONS

MAXIMUM RATIO OF FLOOR AREA CALCULATION (SR-I FROM TABLE I SECTION 30-15)

TOTAL LOT AREA: 20,700 SQFT FLOOR AREA RATIO ALLOWED IS 0.33

TOTAL ALLOWABLE FLOOR AREA FOR LOT = 6,831 SQFT

FLOOR AREA SUMMARY

-SEE PLAN DIAGRAMS FOR FLOOR BY FLOOR AREA CALCULATIONS INCLUSIONS AND EXCLUSIONS. THE PROVIDED DIAGRAMS CAN BE REFERENCED TO THE FLOOR PLANS.

- BASEMENT FLOOR AREA IS NOT INCLUDED BASED ON "FLOOR AREA GROSS" AS DEFINED IN THE CITY OF NEWTON ZONING ORDINANCE, P. 450.

-ATTIC FLOOR AREA NOT INCLUDED BASED ON "FLOOR AREA GROSS" AS DEFINED IN THE CITY OF NEWTON ZONING ORDINANACE P. 483.

- FOR ATRIA, OPEN WELLS AND OTHER VERTICAL OPEN SPACES, FLOOR AREA SHALL BE CALCULATED BY MULTIPLYING THE FLOOR LEVEL AREA OF SUCH SPACE BY A FACTOR EQUAL TO THE AVERAGE HEIGHT IN FEET DIVIDED BY TEN (IO) P. 483. REFER TO ARCHITECTURAL BUILDING SECTIONS ON A-I6 AND A-I7.

AREA CALCULATIONS

BASEMENT = 0 SQFT GARAGE = 694 SQFT FIRST FLOOR = 2203 SQFT

00/ED 07-1/D (1927-5-1975) (201)

FOYER STAIR (1.825 FACTOR) (201)= 367 SQFT

SECOND FLOOR = 2541 SQFT THIRD FLOOR = 401 SQFT

TOTAL FLOOR AREA =

6.218 SQFT

MAX ALLOWABLE = 6,831 SQFT

FIRST FLOOR SQFT. CALC.

SCALE: 3/16" = 1'-0"

FIRST FLOOR GSF = 220 FOYER STAIR GSF = 36 GARAGE = 69

REVISION

ZONING ANALYSIS

Date: May 17, 2013

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File No.: 131 Otis Street - Plan.eac

 Scale:
 AS NOTED

 Drawn By:
 T.R.

 Issue Date:
 4/9/13

 Revision:
 4/23/13

 5/17/13

Drawing Title:
FIRST FLOOR PLAN

