

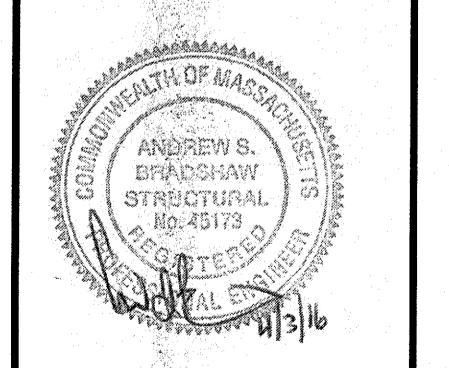
DATE 2/23/2016
DRAWING NO. INLINE-LENOX
SCALE 1/4" = 1'-0"

PROPOSED RENOVATION BY
INLINE CONSTRUCTION
35 LENOX ST. NEWTON, MA



AFAB ENTERPRISES
PO BOX 916
BURLINGTON, MA
01803

OFFICE (781)272-2156
FAX (781)229-6394
WWW.AFABHOMES.COM



PAGE



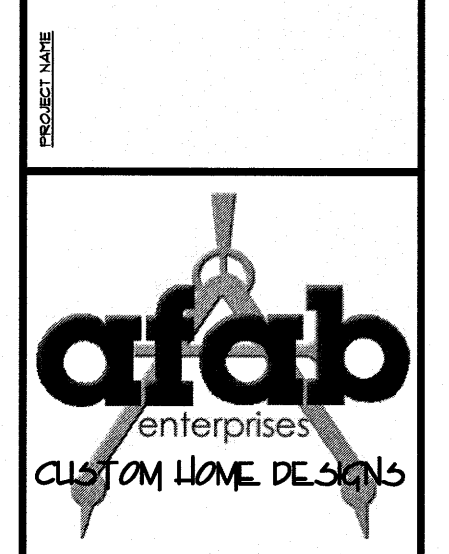
REMOVE TRANSOM WINDOWS.
BLOCK OPENINGS AS REG.

- ALL NOTATIONS REVIEWED AND ACCEPTED AS NOTED DETAILS
- FOR BUILDING PERMIT ONLY
 - FOR DEMOLITION ONLY
 - FOR FIRE ALARM APPROVAL ONLY
 - FOR SITE REVIEW ONLY
 - FOR SPRINKLER APPROVAL ONLY
 - FIRE PROT. TO BE DESIGNED & SUBMITTED BY INSTALLER
 - NO FIRE PROTECTION REQUIRED - BASED ON PLANS SUBMITTED

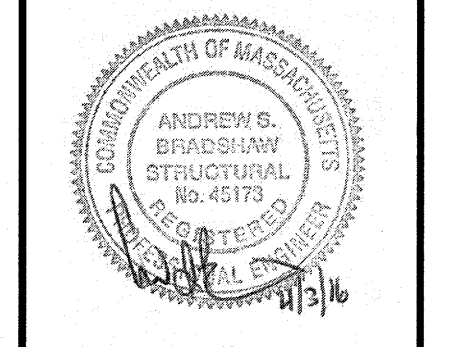
NEWTON FIRE DEPARTMENT
FIRE PREVENTION
4.01.2016
SIGNATURE
4.01.2016
DATE

DATE: 4/2/2016
DRAWING NO.: INLINE-LENOX
SCALE: 1/4" = 1'-0"

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35 LENOX ST. NEWTON, MA

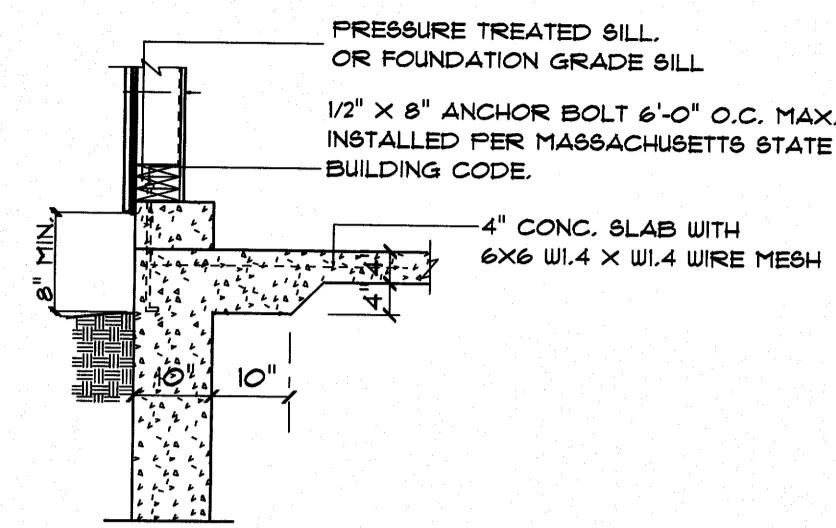


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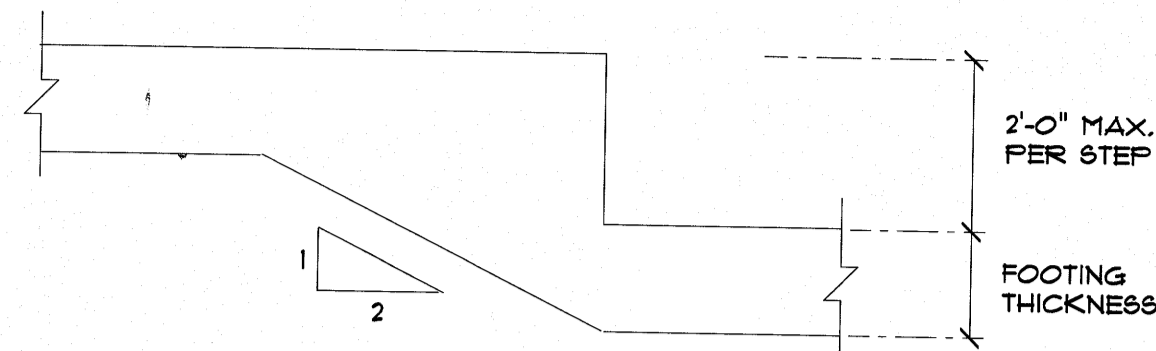


FOUNDATION NOTES

- 1) CONCRETE SLABS ON GRADE SHALL HAVE CONTROL JOINTS CUT AT LEAST 1/4 THE SLAB THICKNESS. THESE SHALL BE SPACED NOT MORE THAN 30 FEET IN EACH DIRECTION. CONTROL JOINTS SHALL BE PLACED WHERE OFFSETS ARE MORE THAN 10 FEET. CONTRACTION JOINTS ARE NOT REQUIRED WHERE 6X6 W1.4 X W1.4 WELDED WIRE FABRIC OR EQ. IS PLACED AT MID-DEPTH OF THE SLAB.
- 2) THE COMPRESSIVE STRENGTH OF CONCRETE FOUNDATIONS AT 28 DAYS SHALL NOT BE LESS THAN 3,000 LBS./SQ. INCH. SLAB FLOORS TO HAVE A COMPRESSIVE STRENGTH OF 4,000 PSI AT 28 DAYS.
- 3) FOUNDATION WALLS SHALL EXTEND AT LEAST 8" ABOVE FINISH GRADE.
- 4) THE BOTTOM OF ANY POINT OF A FOUNDATION SHALL BE A MINIMUM OF 4'-0" BELOW FINISH GRADE.
- 5) FOUNDATION ANCHOR BOLTS SHALL BE A MINIMUM OF 1/2" IN DIAMETER. THEY SHALL HAVE A MINIMUM EMBED OF 8" IN FOURED CONCRETE. THERE SHALL BE A MINIMUM OF TWO ANCHORS PER SECTION OF SILL PLATE. MAXIMUM SPACING SHALL BE 6'-0" O.C. INSTALL IN ACCORDANCE WITH MASSACHUSETTS STATE BUILDING CODE



SLAB/FOOTING AT DOOR OPENING NO SCALE



TYP. FOOTING STEP NO SCALE

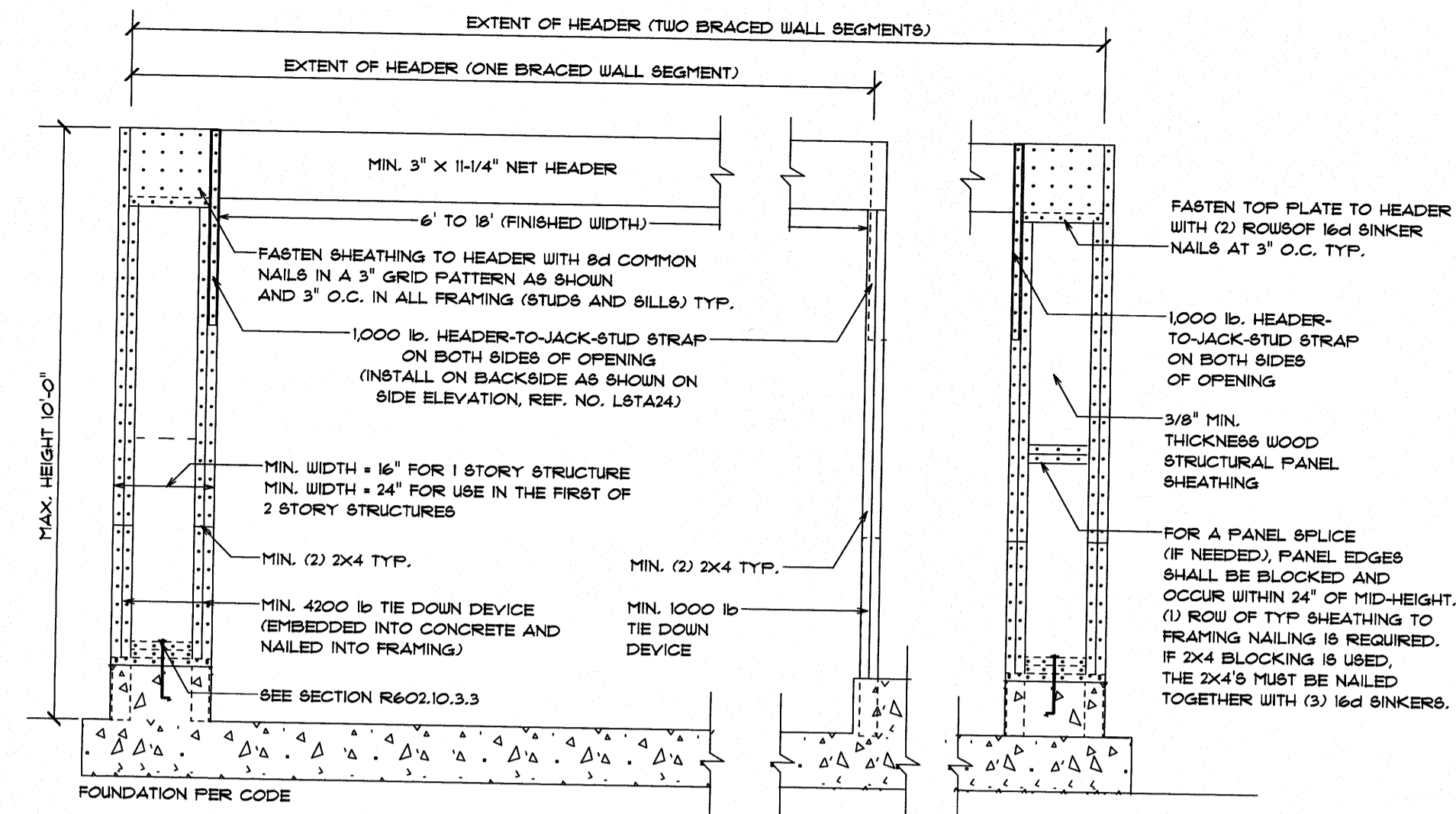
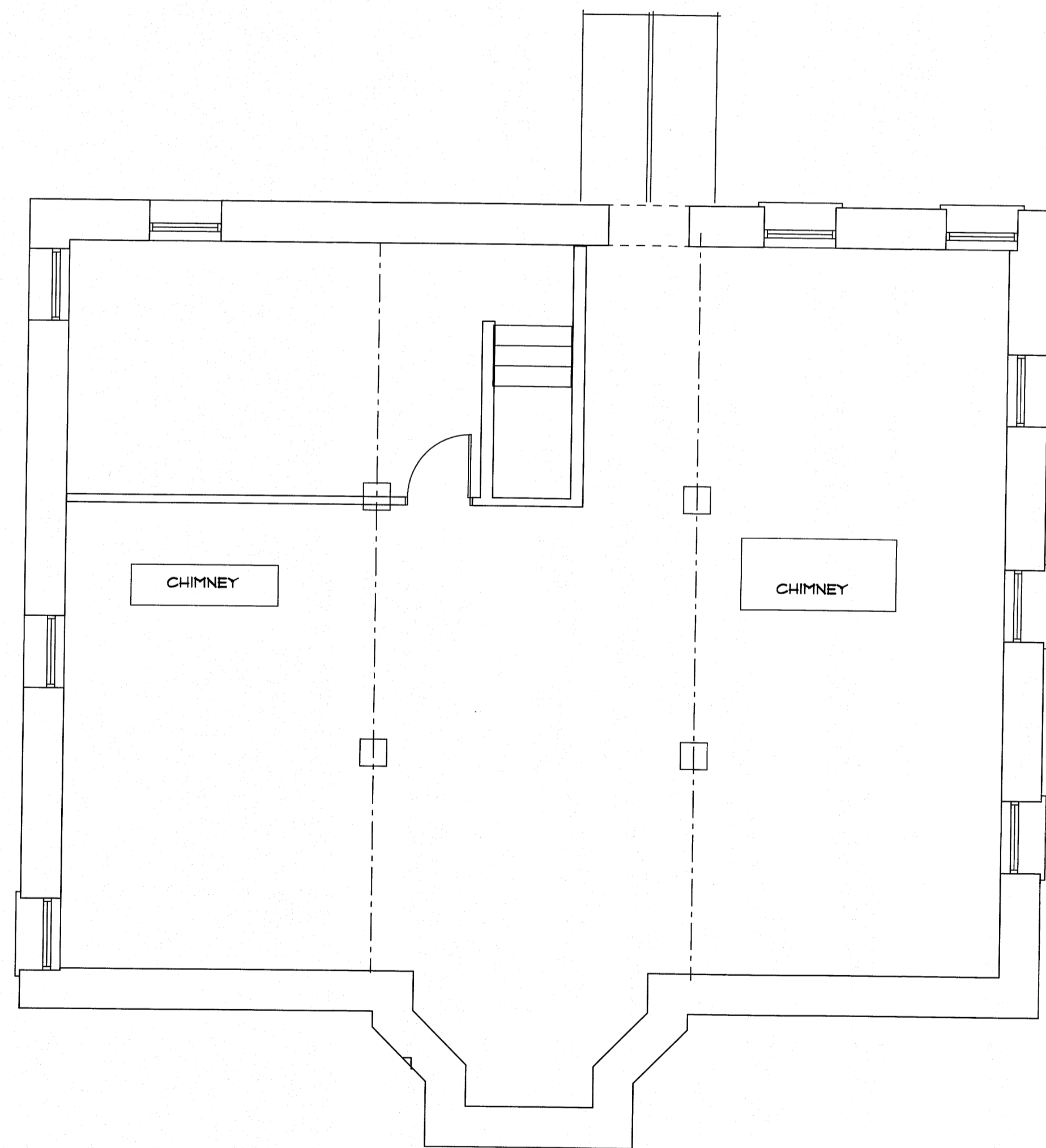
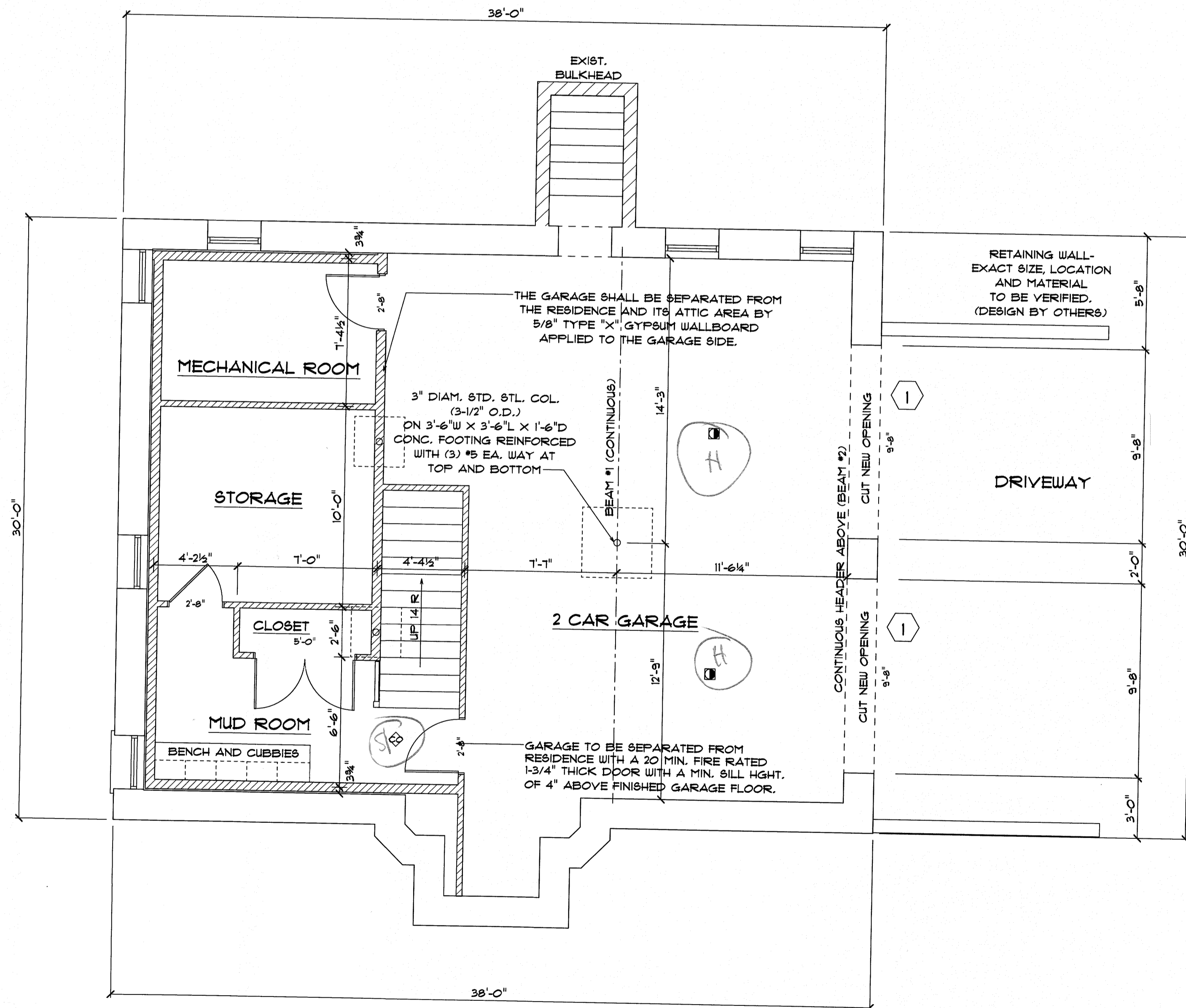


FIGURE R602.10.3.3 METHOD PFH: PORTAL FRAME WITH HOLD-DOWNS NOT TO SCALE

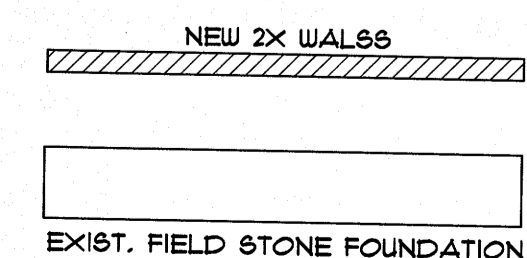
- 1 FRAME NEW OPENING
- 2 REPLACE EXISTING UNIT
- 3 REMOVE UNIT/BLOCK OPENING



EXIST. BASEMENT PLAN

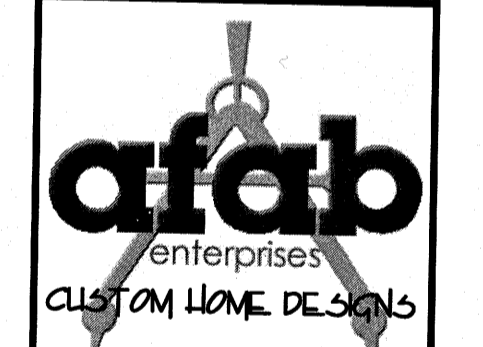


PROPOSED BASEMENT PLAN



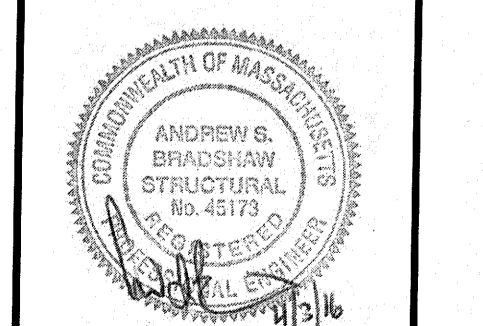
DATE: 4/2/2016
DRAWING NO: IN-LINE-LENOX
SCALE: 1/4" = 1'-0"

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INLINE CONSTRUCTION
35 LENOX ST. NEWTON, MA



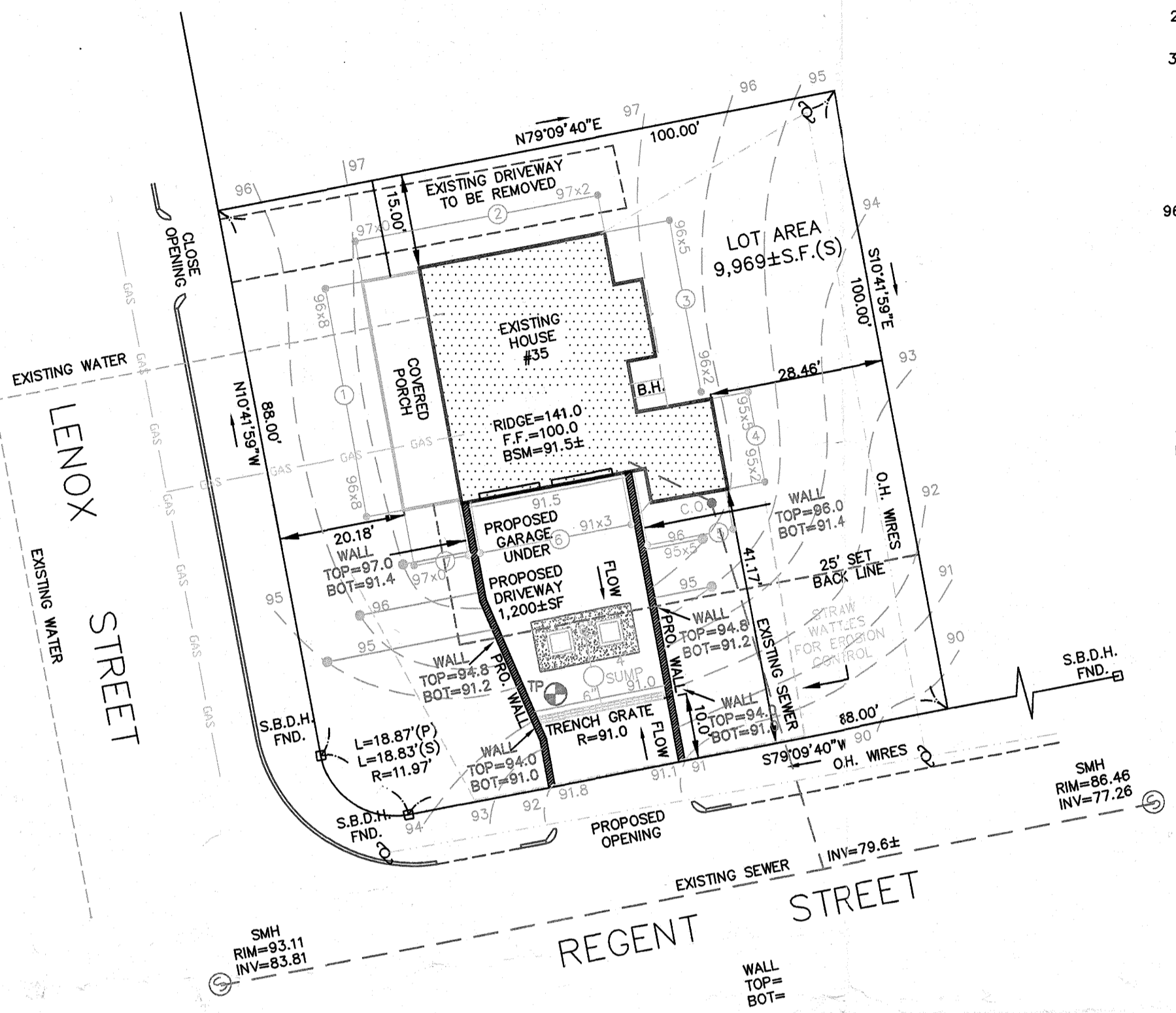
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PLAN DATE OF 1988

132.54
1585
2054
63



DEPTH (INCHES)	TEST PIT	ELEVATION (FEET)
0"	LOAM 10YR 3/3	94.0
12"	SUB SOIL 10TR 4/6	93.0
24"	HARD GRAVEL 10YR 5/2	92.0
36"		91.0
96"	NO WATER	86.0

PERCOLATION RATE
 START PRE SOAK = 9:10
 START PERK = 9:25
 DOWN 8 INCHES = 9:45
 DOWN 8 INCHES = 10:30 = 45/3=15
 PERCOLATION 15 MIN. PER INCH

PERCOLATION TESTS PERFORMED ON 5/03/16
 SEE REPORT FROM DR. EDWARD T.T. CHIANG P.E.
 DATED MAY 10, 2016

DRAINAGE SHOW IS DESIGNED FOR THE
 ENTIRE NEW DRIVEWAY

REQUIRED	EXISTING
AREA = 15,000sf	= 9,959sf
FRONTAGE = 100ft	= 194.53ft
FRONT = 25ft	= 20.18ft, 41.17'
SIDE = 25ft	= 15.00ft
REAR = 25ft	= 28.49ft
F.A.R. = .33 (3,289sf)	= .38 (3,760±sf)
HEIGHT = 36ft	= 45.3'
STORIES = 2.5	= 3
LOT COV. = 20% (1,993)	= 17.2%
OPEN SPACE = 65% (6,479)	= 70.8%

COVERAGES:
 HOUSE / PORCH = 1,715±SF OR 17.2%
 PRO. PAVEMENT = 1,200±SF OR 12.0%
 PRO. OPEN SPACE = 7,055±SF OR 70.8%

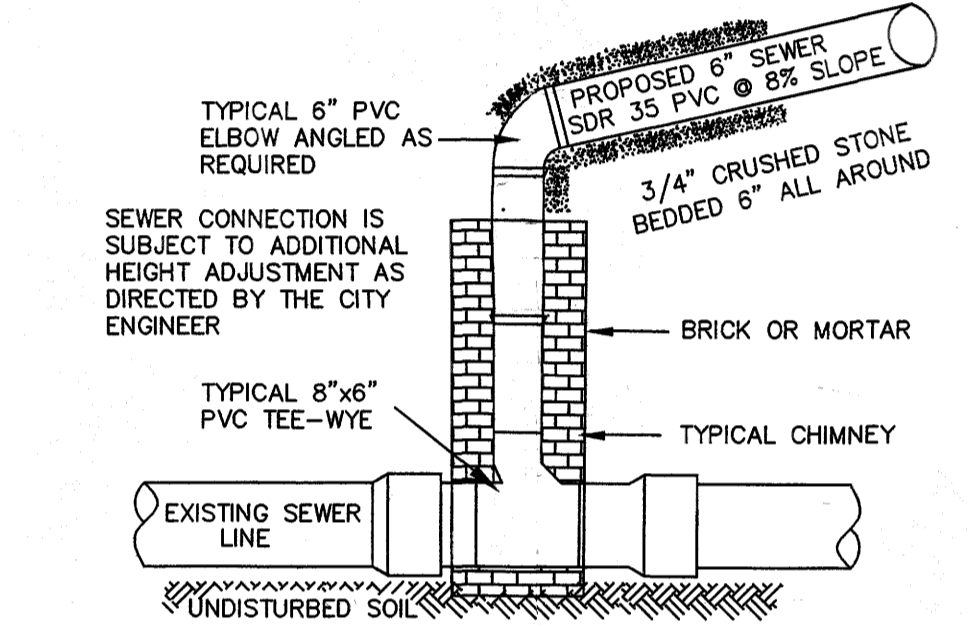
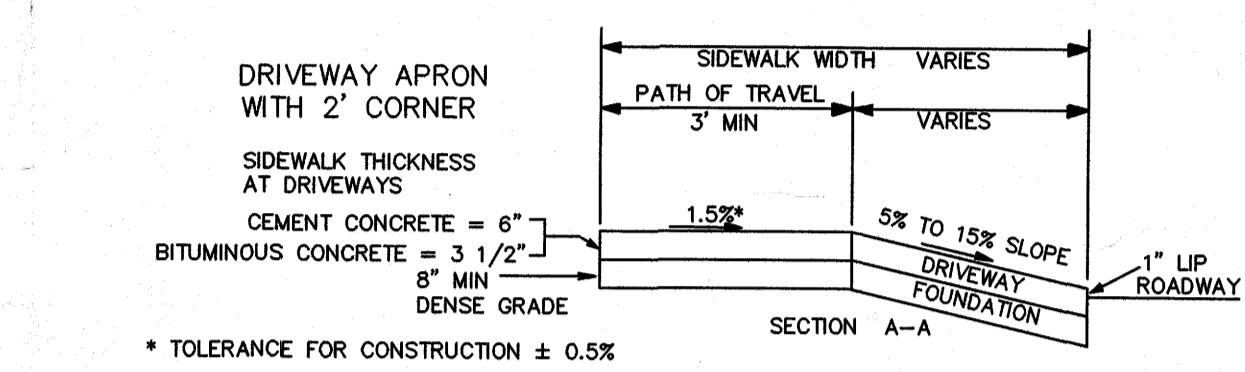
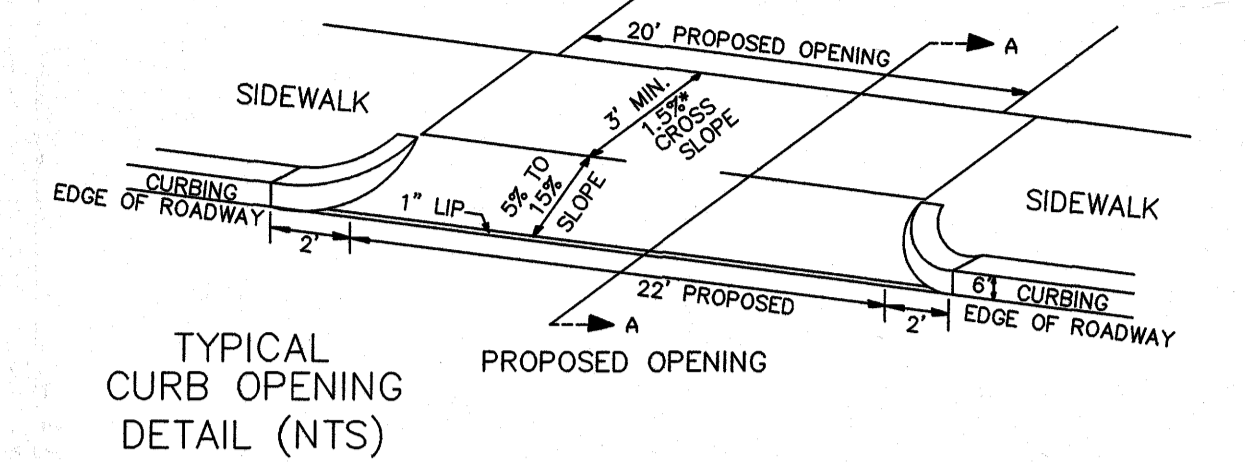
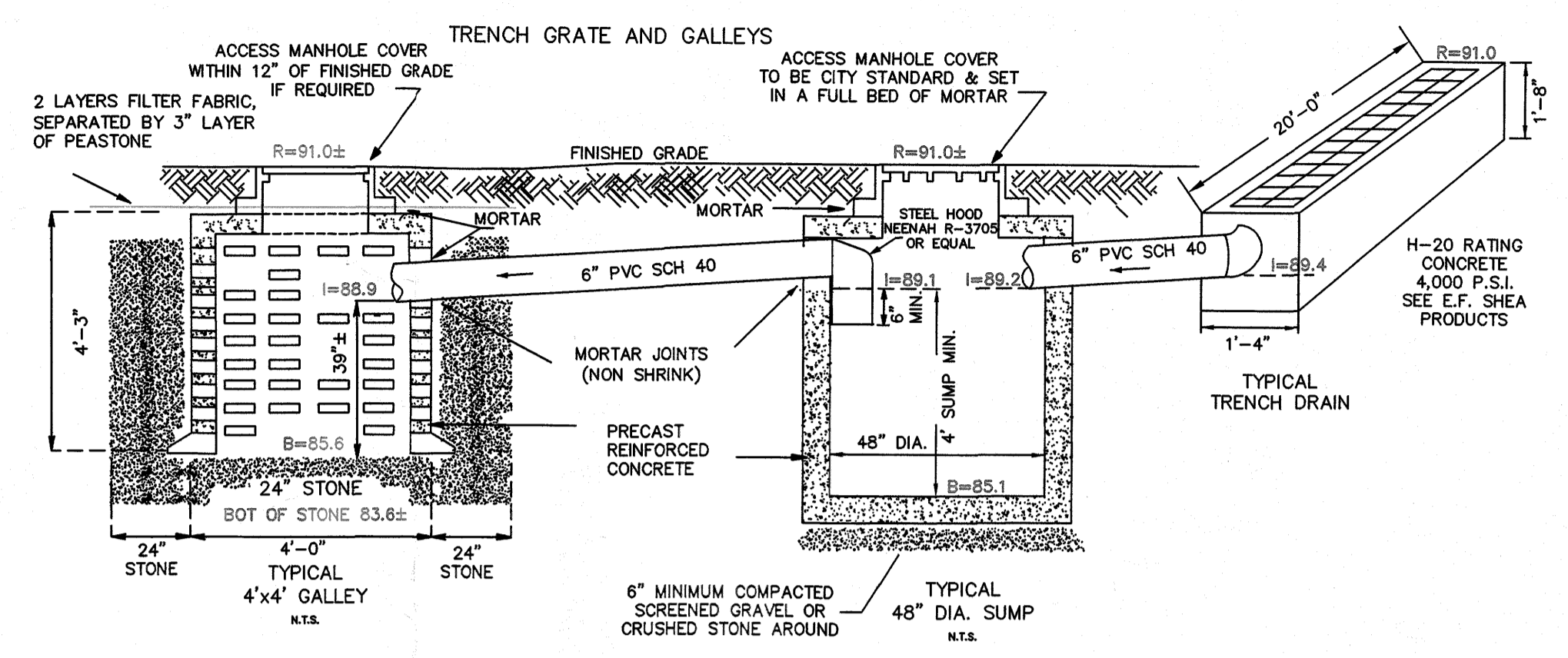
EXISTING F.A.R.
 BASEMENT (BELOW GRADE) = 0sf
 FIRST FLOOR = 1,372sf
 SECOND FLOOR = 1,194sf
 THIRD FLOOR / ATTIC = 1,194sf (ESTIMATED)
 TOTAL = 3,760 OR .38 FAR

DEED REFERENCE:
 CERTIFICATE # 14773
 BOOK 879 PAGE 23

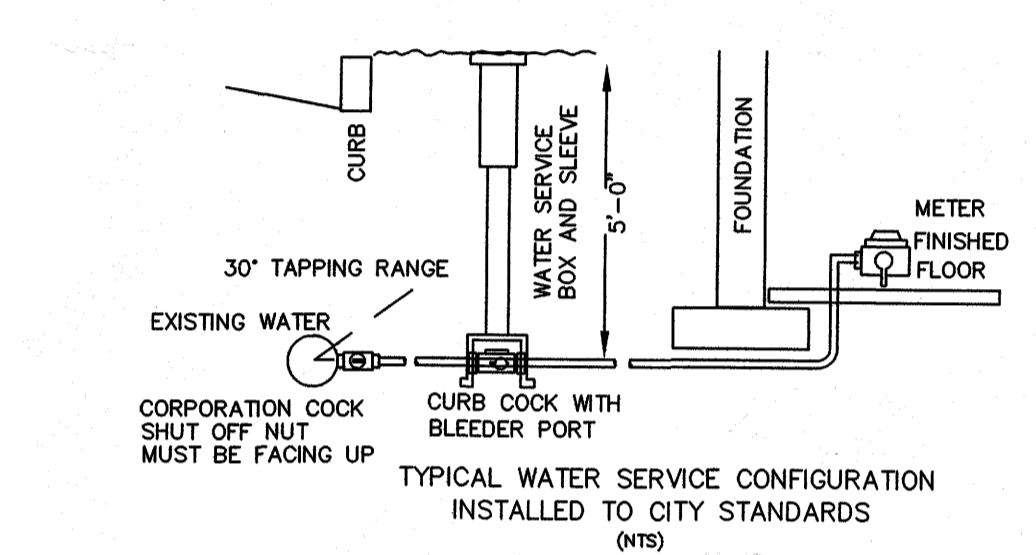
PLAN REFERENCE:
 LAND COURT PLAN 4624A
 DATED OCTOBER 20, 1913

I HEREBY CERTIFY THAT THE HOUSE SHOWN ON THIS PLAN WAS LOCATED IN THE FIELD BY INSTRUMENT

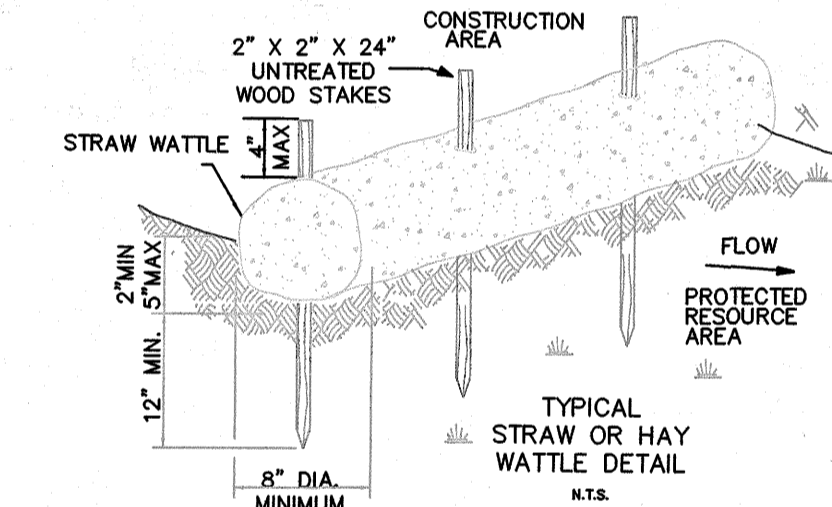
THE HOUSE SHOWN ON THIS PLAN IS IN FLOOD ZONE "X" AND IS NOT IN 100 YEAR FLOOD LINE DESIGNATED BY THE FLOOD INSURANCE RATE MAP PANEL # 25017C0551E DATED JUNE 04, 2010.



TYPICAL SEWER SERVICE CONNECTION INSTALLED TO CITY STANDARDS (NTS)



TYPICAL WATER SERVICE CONFIGURATION INSTALLED TO CITY STANDARDS (NTS)



TYPICAL STRAW OR HAY WATTLE DETAIL (NTS)

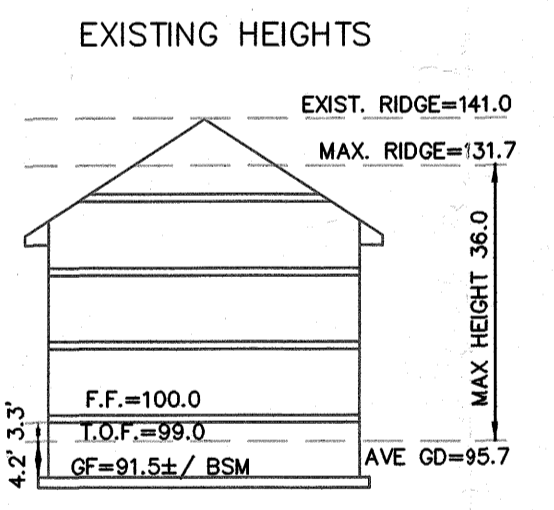
- NOTES:
- NO EXCAVATION IS ALLOWED WITHIN ANY CITY RIGHT OF WAY BETWEEN NOVEMBER 15TH AND APRIL 15TH. IF ANY EMERGENCY EXISTS OR THERE ARE EXTENUATING CIRCUMSTANCES, APPLICANT MAY SEEK PERMISSION FOR SUCH WORK FROM THE CITY DPW COMMISSIONER VIA THE CITY ENGINEER. IF PERMISSION IS GRANTED, SPECIAL CONSTRUCTION STANDARDS WILL BE APPLIED. APPLICANT OR APPLICANT'S REPRESENTATIVE MUST CONTACT THE CITY OF NEWTON ENGINEERING DEPARTMENT PRIOR TO START OF WORK FOR CLARIFICATION.
 - THE APPLICANT WILL HAVE TO APPLY FOR STREET OPENING, UTILITY CONNECTION, AND AN INSTALL CURB AND SIDEWALK PERMITS WITH THE DPW PRIOR TO START OF WORK.
 - THE EXISTING WATER AND SEWER SERVICES SHALL BE CUT AND CAPPED AT THE MAINS AND BE COMPLETELY REMOVED FROM SITE AND PROPERLY BACKFILLED. THE ENGINEERING DIVISION MUST INSPECT THIS WORK; FAILURE TO HAVING THIS WORK INSPECTED MAY RESULT IN DELAY OF ISSUANCE OF THE UTILITY CONNECTION PERMIT.
 - AFTER ALL ENGINEERING PERMITS ARE OBTAINED, THE CONTRACTOR NEEDS TO NOTIFY THE ENGINEERING DIVISION 48-HOURS IN ADVANCE AND SCHEDULE AN APPOINTMENT TO HAVE THE DRAINAGE SYSTEM, WATER AND SEWER SERVICES INSPECTED. THE SYSTEM AND UTILITIES MUST BE FULLY EXPOSED FOR THE INSPECTOR. ONCE THE INSPECTOR IS SATISFIED, THE SYSTEM AND UTILITIES MAY THEN BE BACKFILLED.
 - WITH THE EXCEPTION OF GAS SERVICES, ALL UTILITY TRENCHES WITHIN THE CITY OF NEWTON RIGHT-OF-WAY WILL BE BACKFILLED WITH TYPE I (EXCAVATABLE) CONTROLLED DENSITY FILL, AS SPECIFIED BY THE CITY OF NEWTON ENGINEERING SPECIFICATIONS.
 - THE NEW SEWER SERVICES AND STRUCTURES WILL NEED TO BE PRESSURE TESTED PRIOR TO ACCEPTANCE.
 - AS OF MARCH 1, 2009, ALL TRENCH EXCAVATION CONTRACTORS SHALL COMPLY WITH MASSACHUSETTS GENERAL LAWS CHAPTER 92A, TRENCH EXCAVATION SAFETY REQUIREMENTS, TO PROTECT THE GENERAL PUBLIC FROM UNAUTHORIZED ACCESS TO UNATTENDED TRENCHES. TRENCH EXCAVATION PERMIT REQUIRED. THIS APPLIES TO ALL TRENCHES ON PUBLIC OR PRIVATE PROPERTY.
 - PRIOR TO THE ISSUANCE OF AN OCCUPANCY PERMIT, AN AS-BUILT PLAN SHALL BE SUBMITTED TO THE ENGINEERING DIVISION IN BOTH DIGITAL FORMAT AND IN HARD COPY. THE PLAN MUST SHOW ALL UTILITIES, DRAINAGE STRUCTURES, GATES, ETC. WITH SWING TIES FROM FIXED POINTS (I.E. HOUSE, FOUNDATION ETC.) AND ANY EASEMENTS AND FINAL GRADING.
 - APPROVAL OF THIS PLAN BY THE CITY OF NEWTON ENGINEERING DIVISION IMPLIES THAT THE PLAN MEETS THE MINIMAL DESIGN STANDARDS OF THE CITY OF NEWTON. HOWEVER, THE ENGINEERING DIVISION MAKES NO REPRESENTATIONS AND ASSUMES NO RESPONSIBILITY FOR THE DESIGN(S) IN TERMS OF SUITABILITY FOR THE PARTICULAR SITE CONDITIONS OR OF THE FUNCTIONABILITY OR PERFORMANCE OF ANY ITEMS CONSTRUCTED IN ACCORDANCE WITH THE DESIGN(S).
 - THE CITY OF NEWTON ASSUMES NO LIABILITIES FOR DESIGN ASSUMPTION, ERRORS OR OMISSIONS BY THE ENGINEER OF RECORD.

FINISHED AVERAGE GRADE PLANE
 ((e1+e2)/2xL)

- (96.8 + 96.8)/2 x 38.00 = 3678.40
- (97.0 + 97.2)/2 x 39.25 = 3811.17
- (96.5 + 96.2)/2 x 28.90 = 2784.51
- (95.5 + 95.2)/2 x 14.50 = 1382.57
- (95.5 + 95.5)/2 x 15.65 = 1494.57
- (91.3 + 91.3)/2 x 25.40 = 2319.02
- (97.0 + 97.0)/2 x 10.30 = 999.10

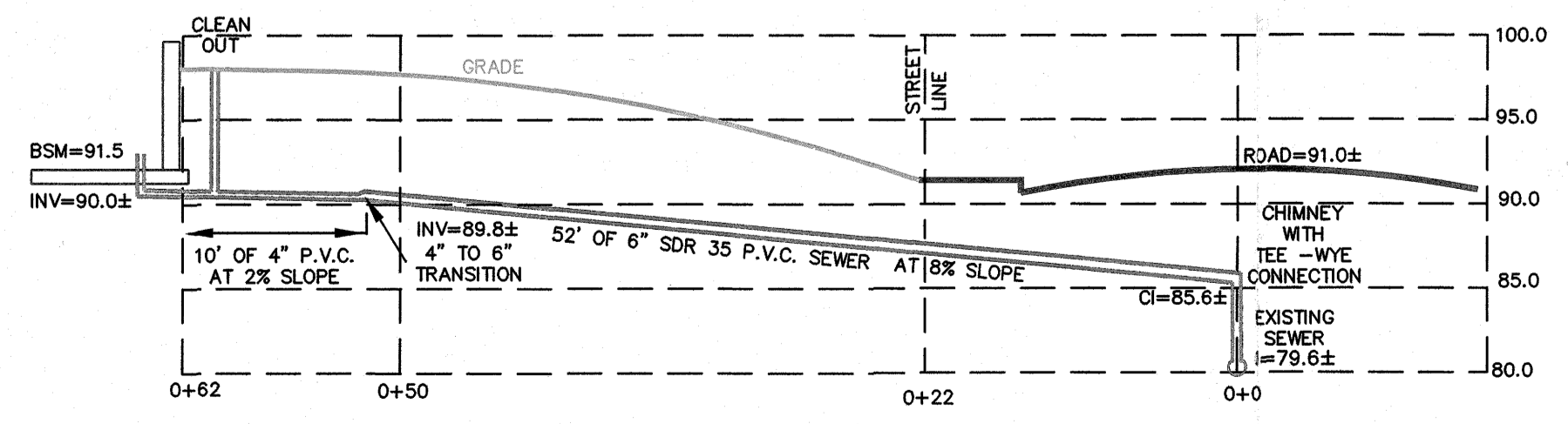
TOTAL P=172.00 = 16,469.34

16,469.34 / 172.00 = 95.75
 AVERAGE GRADE = 95.7
 95.74 - 36 = 131.7 MAX. RIDGE = 131.7

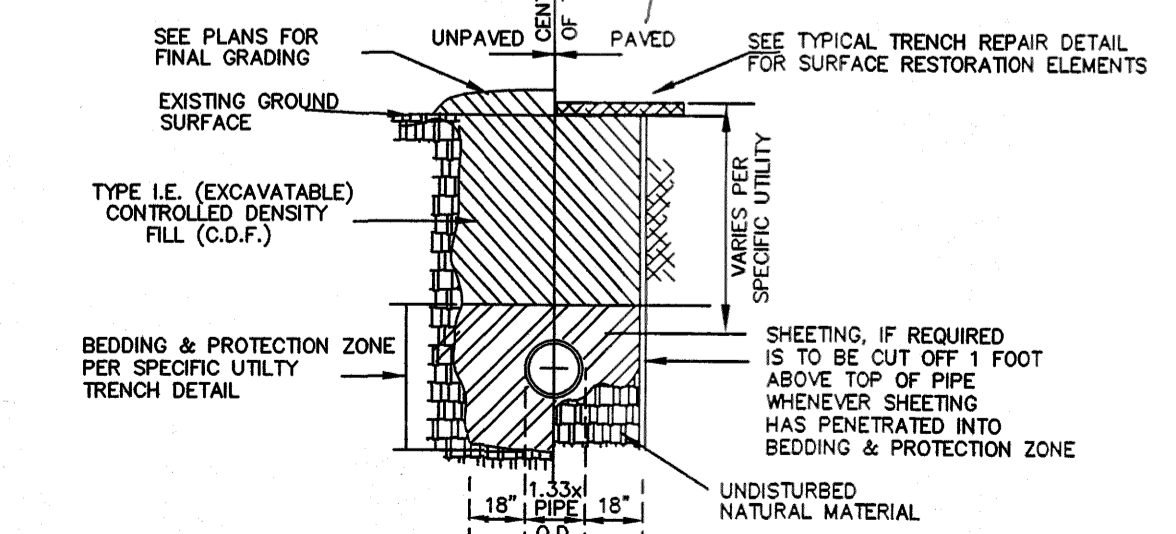


Note: Existing water must be replaced by 1-inch type k copper pipe.

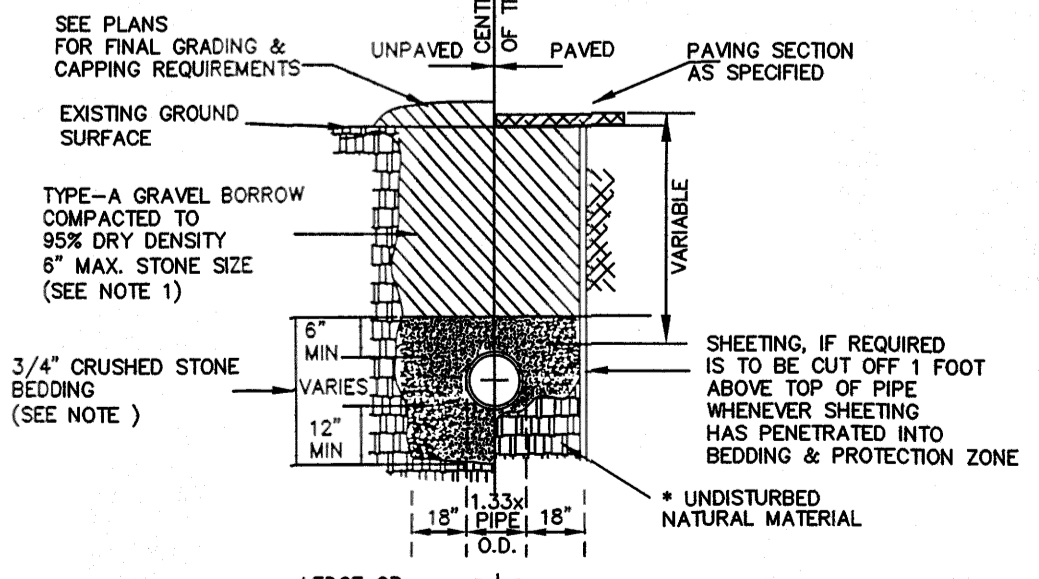
Approved City of Newton Engineering Div. Nabruha Bhanu Date May 31, 2016
 please see approval memo for conditions.



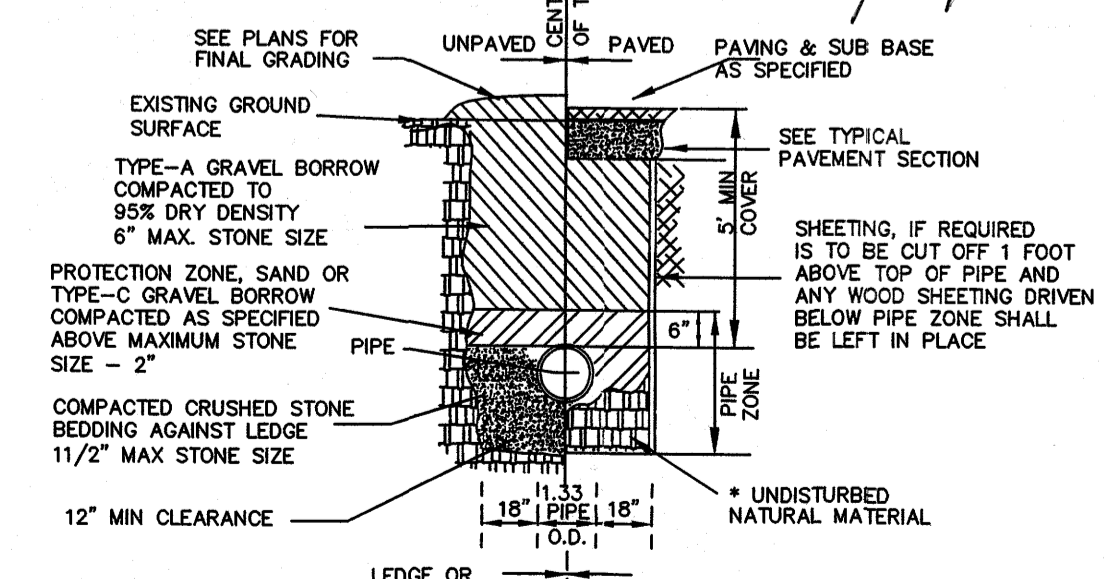
SEWER PROFILE NOT TO SCALE



TYPICAL C.D.F. TRENCH SECTION (NTS)



TYPICAL GRAVITY SEWER TRENCH DETAIL (NTS)



TYPICAL WATER TRENCH DETAIL (NTS)

ISD - ENGINEERING PLAN REVIEW
 APPROVED: [Signature]
 DATE: 5/13/16

Professional Engineer Seal for Robert Bibbo, License #47391.
 Professional Engineer Seal for Tsung Chang, License #23891.

PLAN OF LAND ~ NEWTON, MA SHOWING PROPOSED DRIVEWAY AND UTILITIES # 35 LENOX STREET
 DATE: 5/12/16 SCALE: 1" = 20'
 PREPARED BY:
BIBBO BROTHERS AND ASSOCIATES
 SURVEYING, ENGINEERING & CONSTRUCTION CONSULTING
 10 HAMMER STREET, WALTHAM, MA 02453
 TEL: 781-891-0417
 E-MAIL: bibbrothers@comcast.net
 RALPH BIBBO JR., MANAGER - OWNER
 ROBERT BIBBO, P.L.S. - OWNER

LEGEND:
 S = SURVEY
 R = RIM
 I = INVERT
 B = BOTTOM
 CI = CHIMNEY INVERT

NOTE:
 THE SEWER LINE SHOWN ON THIS PLAN WILL BE INSTALLED IN THE SAME PROXIMITY OF THE EXIST SEWER LINE

* SUITABILITY OF MATERIAL IS TO BE DETERMINED BY THE CITY OF NEWTON

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 1. GRAVEL BORROW SHALL CONFORM TO MASS HIGHWAY SPECIFICATION M1.03.0
 2. CRUSHED STONE BEDDING SHALL CONFORM TO MASS HIGHWAY SPECIFICATION M2.03.0

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