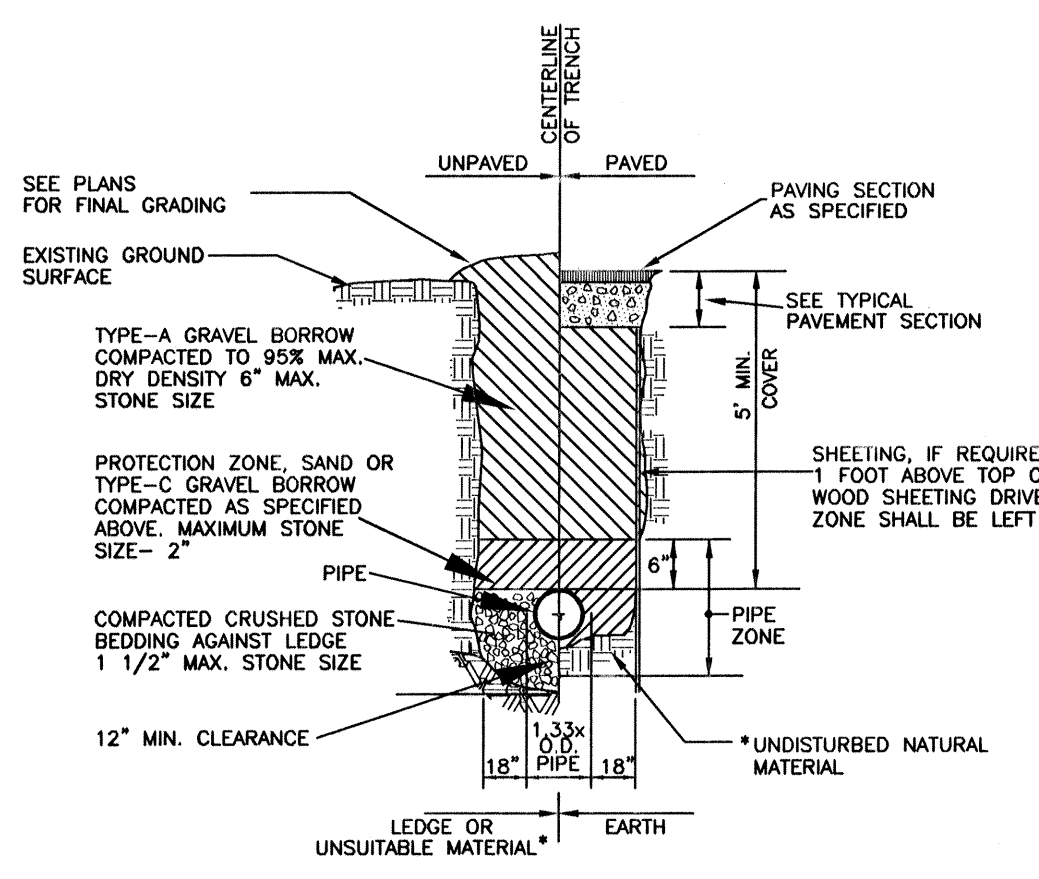
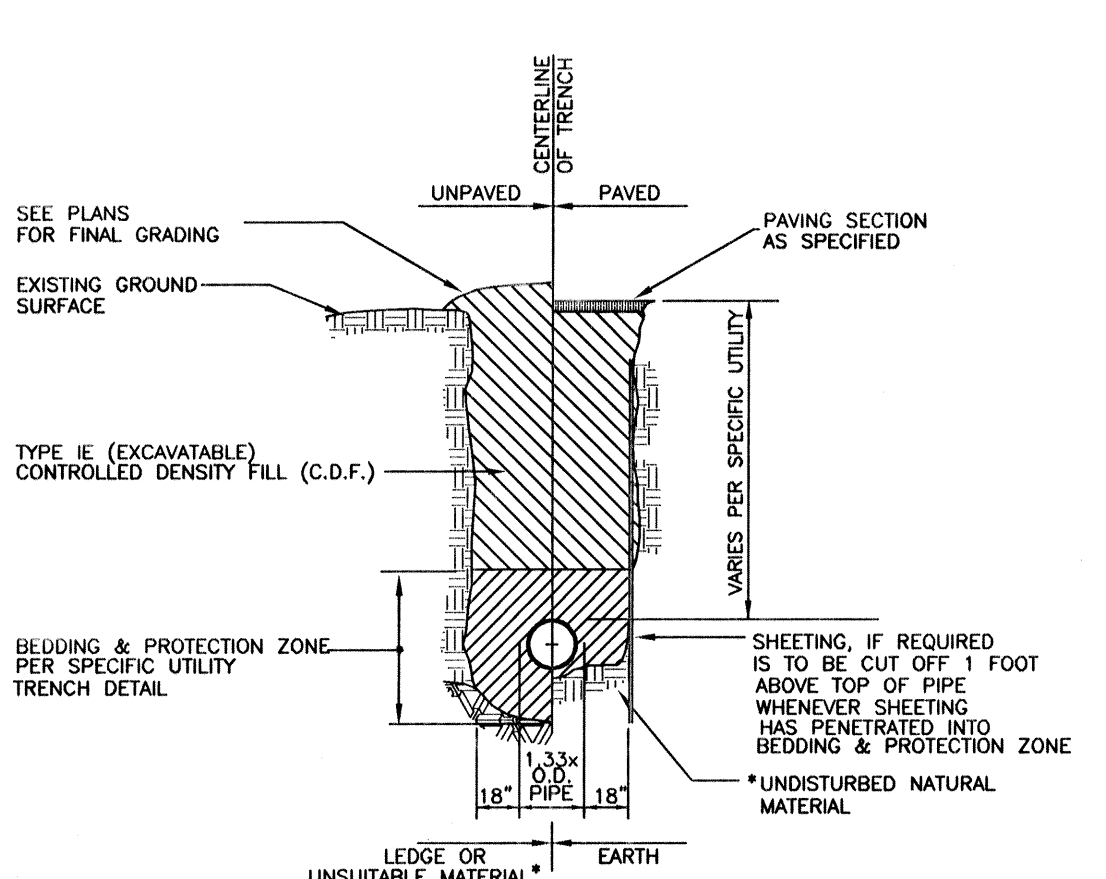


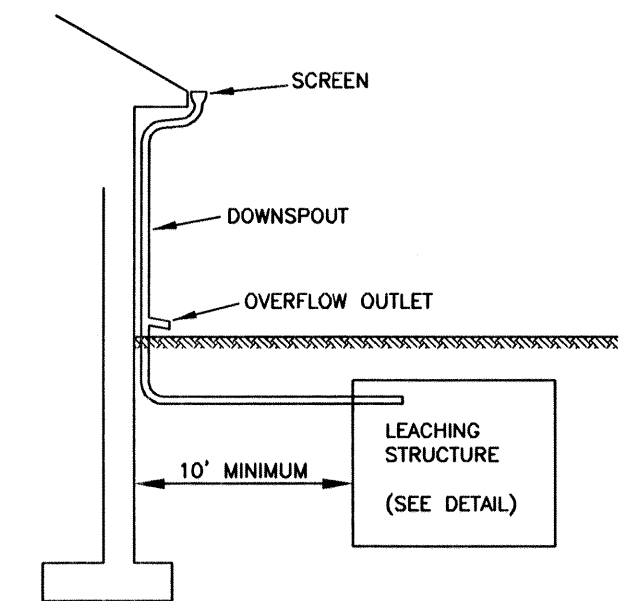
**GRAVITY SEWER TRENCH DETAIL**  
 N.T.S.



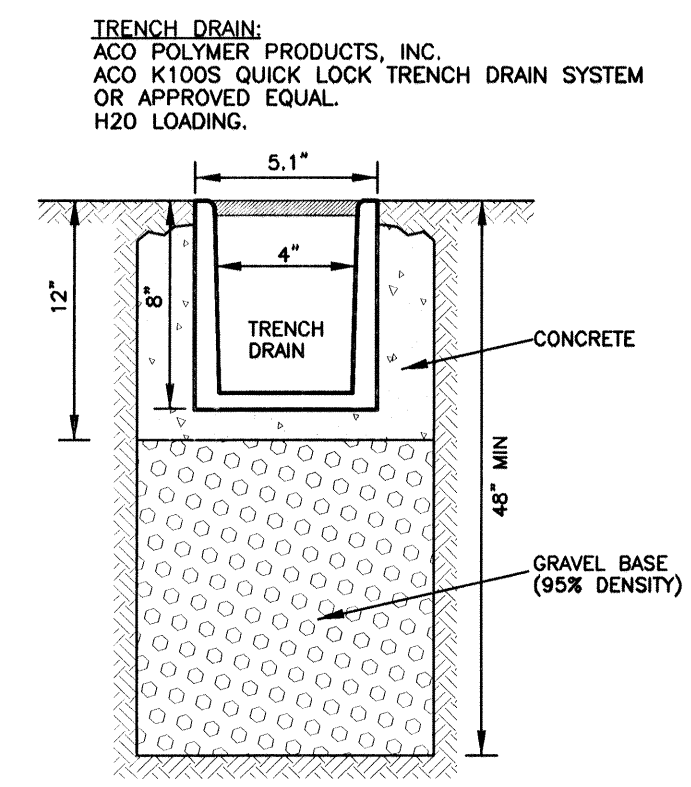
**TYPICAL WATER TRENCH DETAIL**  
 N.T.S.



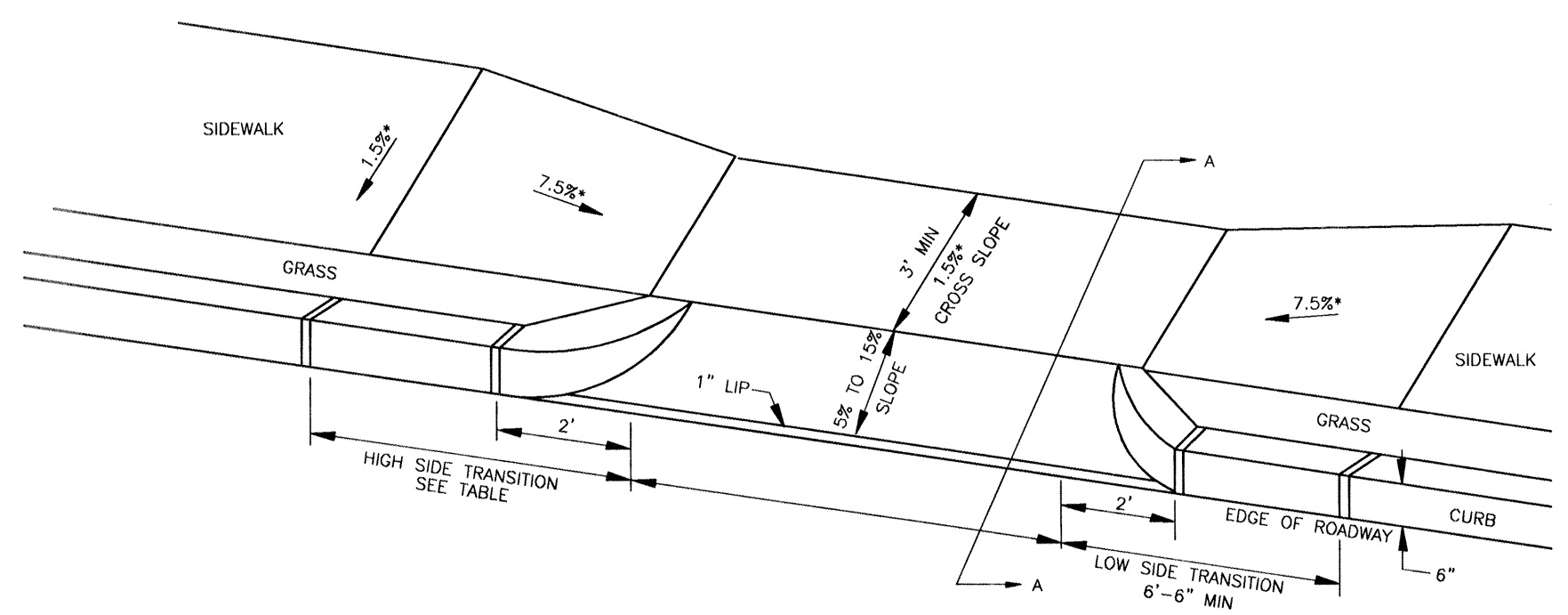
**TYPICAL C.D.F. TRENCH DETAIL**  
 N.T.S.



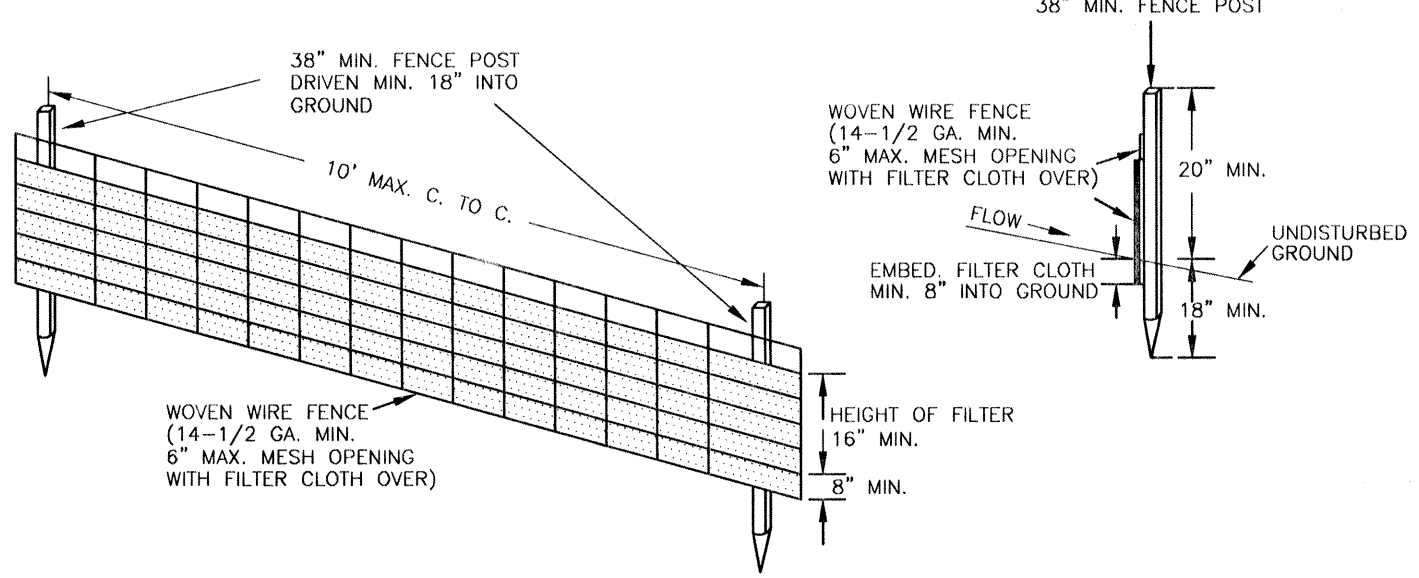
**TYPICAL DOWNSPOUT DETAIL**  
 N.T.S.



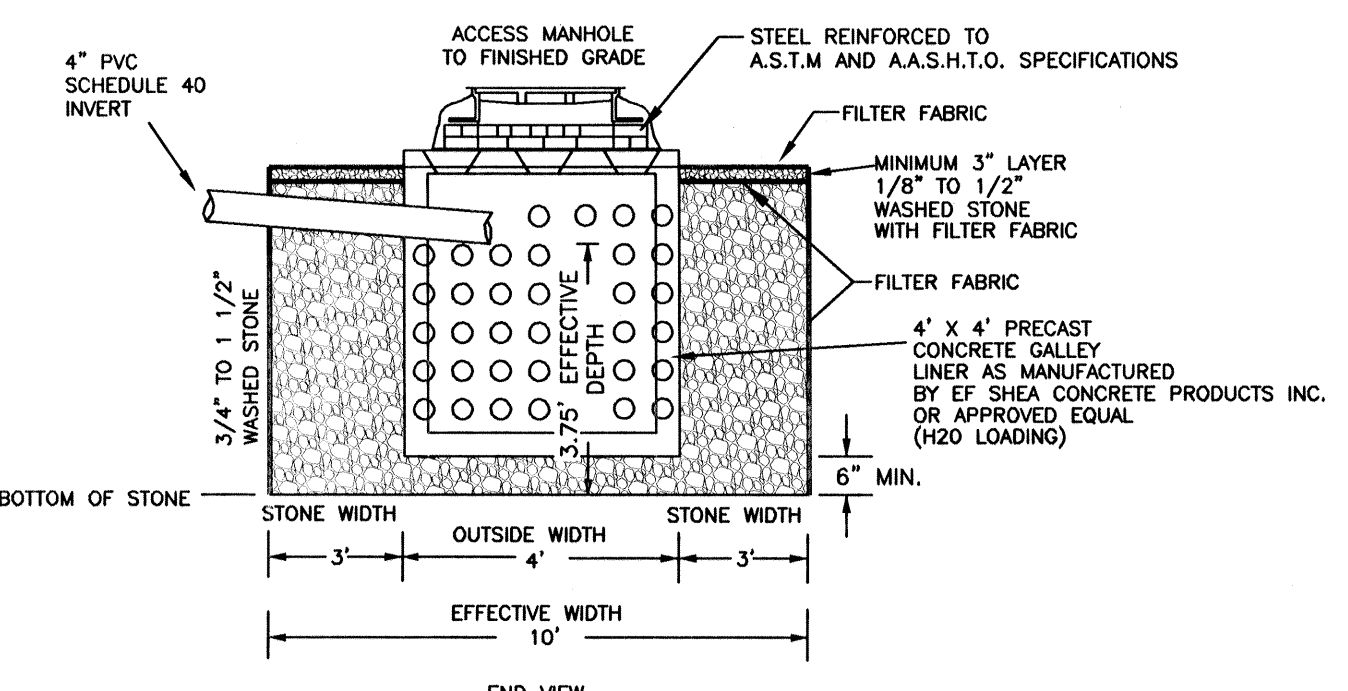
**TRENCH DRAIN DETAIL**  
 N.T.S.



**DRIVEWAY APRON WITH CORNER BLOCKS**  
 N.T.S.

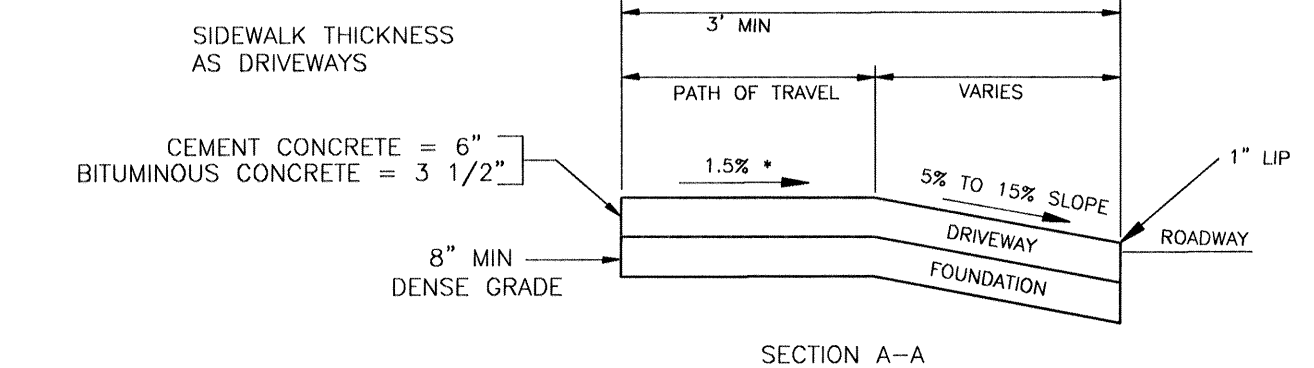


**SILT FENCE DETAIL**  
 N.T.S.



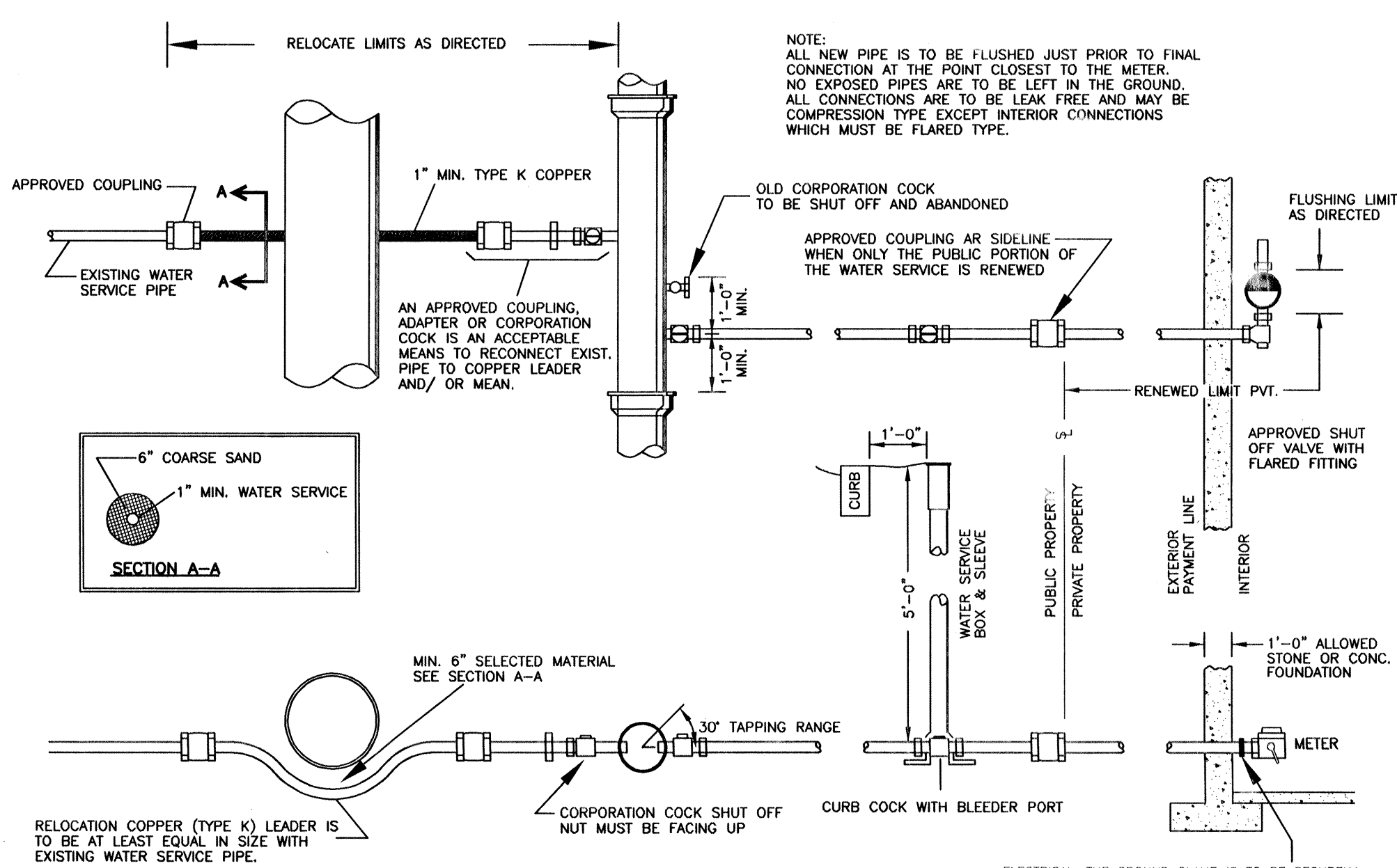
**LEACHING GALLEY DETAIL**  
 N.T.S.

- CONSTRUCTION NOTES FOR FABRICATED SILT FENCE**
- WOVEN WIRE FENCE TO BE FASTENED SECURELY TO FENCE POSTS WITH WIRE TIES OR STAPLES.
  - FILTER CLOTH TO BE FASTENED SECURELY TO WOVEN WIRE FENCE WITH TIES SPACED EVERY 24" AT TOP AND MID-SECTION.
  - WHEN TWO SECTIONS OF FILTER CLOTH ADJOIN EACH OTHER, THEY SHALL BE OVERLAPPED BY 6" AND FOLDED.
  - MAINTENANCE SHALL BE PERFORMED AS NEEDED AND MATERIAL REMOVED WHEN "BULGES" DEVELOP IN THE SILT FENCE.
- POSTS: STEEL EITHER T OR U TYPE OR 2" HARDWOOD  
 FENCE: WOVEN WIRE, 14-1/2 GA. 6" MAX. MESH OPENING.  
 FILTER CLOTH: FILTER X, MIRAFI 100X, STABILINKA T140N OR APPROVED EQUAL.  
 PREFABRICATED UNIT: GEOFAB, ENVIROFENCE, OR APPROVED EQUAL.

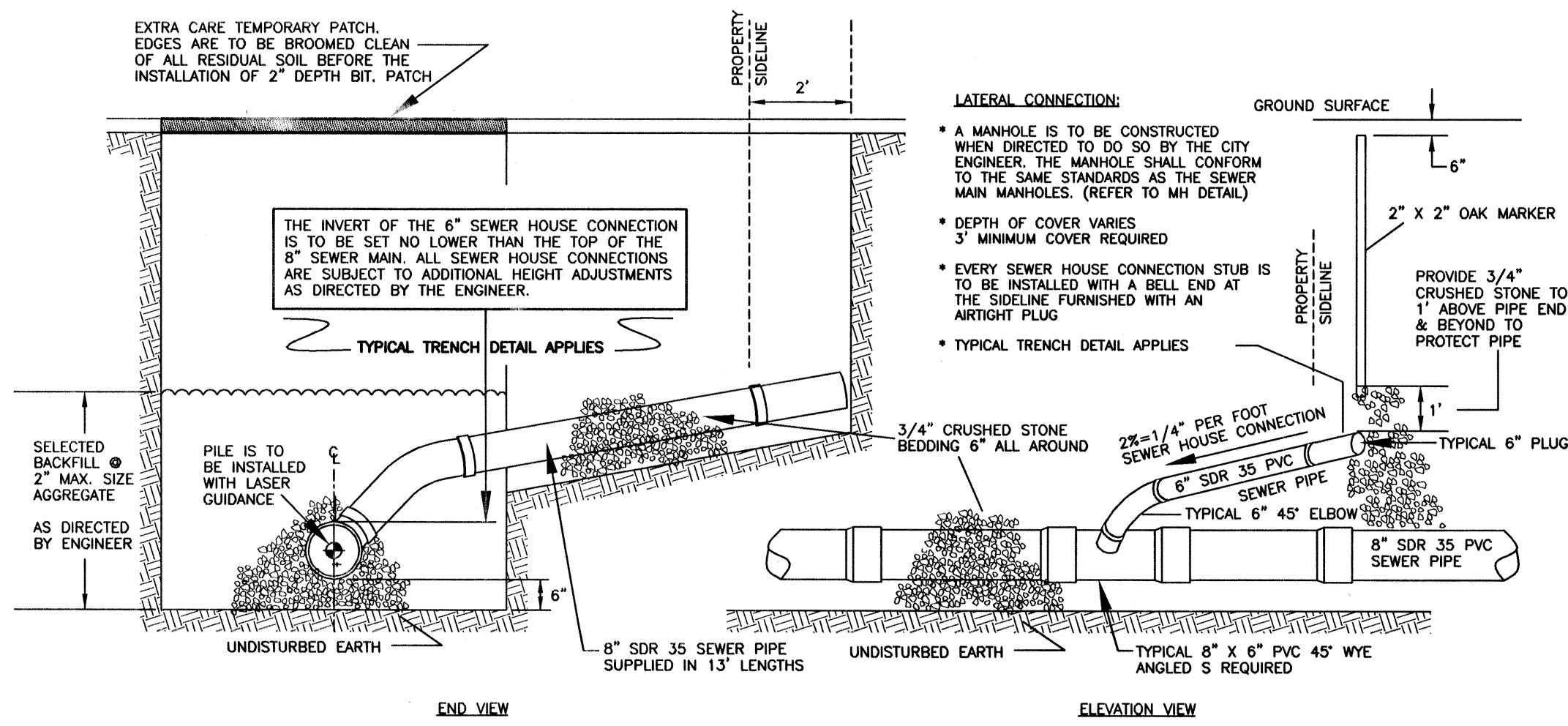


\* TOLERANCE FOR CONSTRUCTION +/- 0.5%

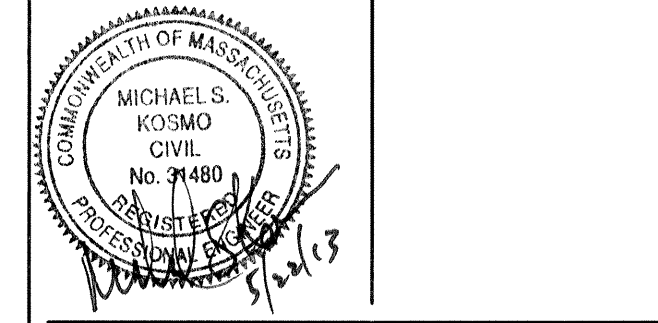
**TYPICAL PRECAST CONCRETE MANHOLE WITH PVC GAS TRAP**  
 N.T.S.



**TYPICAL WATER SERVICE CONFIGURATION**  
 N.T.S.



**TYPICAL PVC SEWER HOUSE CONNECTION**  
 N.T.S.



**SITE PLAN OF LAND IN NEWTON, MA**

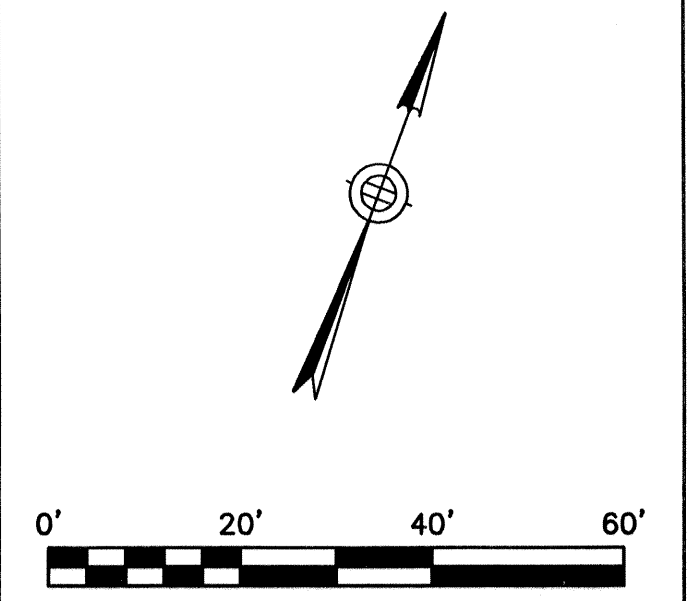
24 WILDE ROAD

SCALE: AS NOTED  
 DATE: NOVEMBER 30, 2011  
 DRAWN: ES  
 CHECK: MSK & DB

REVISIONS:

2/8/12	VARIOUS	JF
5/2/12	VARIOUS	ES





**SOIL LOG:** AUGUST 11, 2011

**TEST HOLE #1 (TH#1)**  
 ELEVATION = 140.5

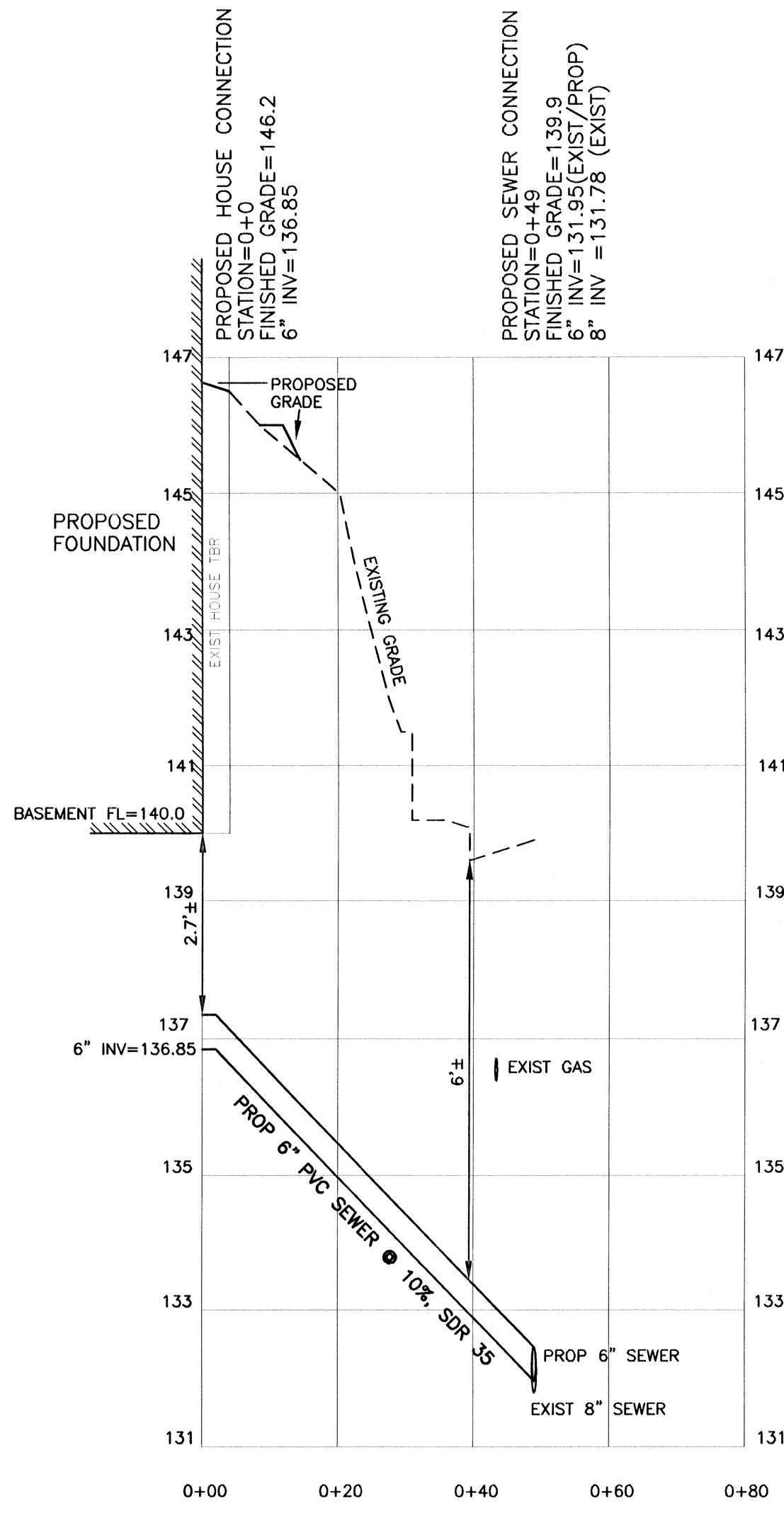
0'-10" A SANDY LOAM 10 YR 2/2  
 10'-22" B SANDY LOAM 10 YR 6/2  
 22'-108" C SANDY LOAM W/ STONES 2.5 Y 5/4

NO MOTTLES OBSERVED  
 NO GROUNDWATER OBSERVED  
 NO LEDGE OBSERVED

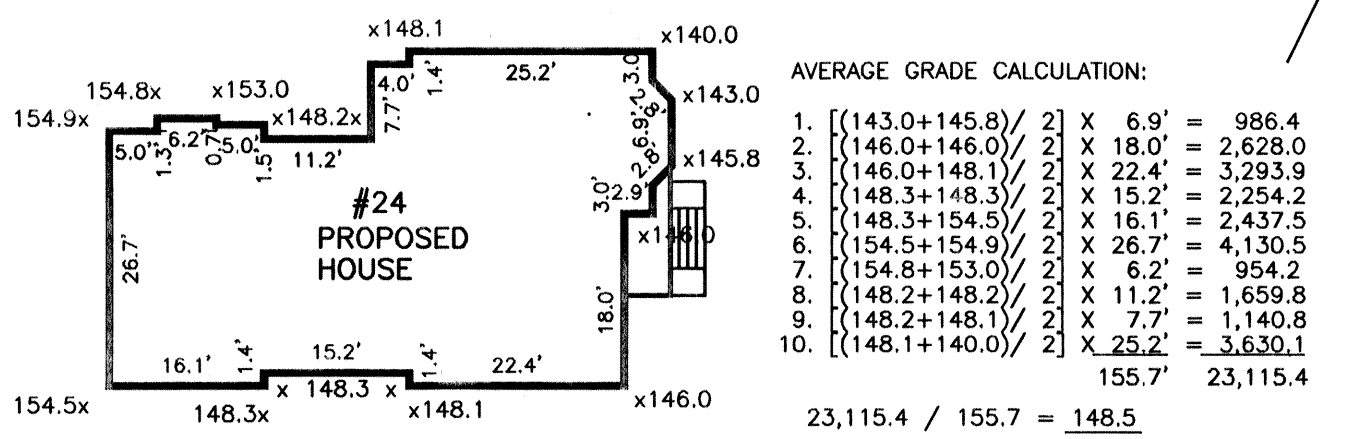
**PERCOLATION TEST #1 (PT#1)**  
 DEPTH: 32"-44"  
 DESIGN RATE: 10 MPI

**GENERAL NOTES**

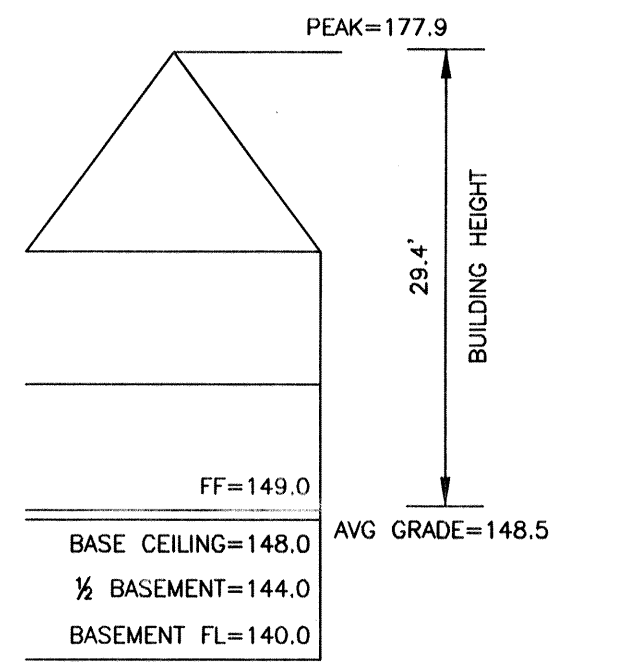
- ELEVATIONS REFER TO CITY OF NEWTON BASE. BENCHMARK: STONE BOUND FOUND ON WILDE ROAD, ELEVATION = 153.70.
- THE LOCATIONS AND ELEVATIONS OF ALL EXISTING UTILITIES SHALL BE CONSIDERED APPROXIMATE AND MUST BE VERIFIED BY THE CONTRACTOR PRIOR TO ANY CONSTRUCTION. THE CONTRACTOR SHALL VERIFY THE LOCATIONS OF ANY CROSSINGS OF PROPOSED AND EXISTING UTILITIES.
- 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 WITH STATE LAW.
- 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.
- 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.
- 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.
- THIS PLAN IS THE RESULT OF AN INSTRUMENT SURVEY DONE ON THE GROUND ?
- ALL WORK SHALL BE SUBJECT TO THE INSPECTION BY AND APPROVAL OF THE CITY ENGINEER.
- 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:
  - 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 LOCATION OF THE EXCAVATION.
- THE CONTRACTOR SHALL PROVIDE CITY OF NEWTON POLICE OFFICERS FOR THE DIRECTION AND CONTROL OF TRAFFIC, AS REQUIRED BY THE CITY ENGINEER.
- NO WORK SHALL BE PERFORMED UNTIL THE NECESSARY PERMITS ARE OBTAINED FROM THE CITY OF NEWTON PUBLIC WORKS DEPARTMENT.
- WITH THE EXCEPTION OF GAS UTILITY SERVICES, ALL UTILITY TRENCHES WITHIN ANY CITY OF NEWTON RIGHT-OF-WAY WILL BE BACKFILLED WITH TYPE I (EXCAVATABLE) CONTROLLED DENSITY FILL, AS SPECIFIED.
- WARNING SIGNS SHALL CONFORM TO PAGE 12 OF THE CITY OF NEWTON GENERAL CONSTRUCTION DETAILS.
- ALL TOPSOIL, SUBSOIL OR IMPERVIOUS SOIL MUST BE EXCAVATED AND REMOVED BELOW THE LEACHING GALLEYS AND TO A DISTANCE 5' Laterally IN ALL DIRECTIONS BEYOND THE SIDES OF THE GALLEYS. 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.
- IN CASES WHERE LEDGE OR BOULDERS ARE ENCOUNTERED, EVERETT M. BROOKS CO. WILL NOT BE RESPONSIBLE FOR THE AMOUNT OF ROCK ENCOUNTERED.
- 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.
- 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.
- THE APPLICANT WILL HAVE TO APPLY FOR A STREET OPENING & UTILITIES CONNECTION PERMITS AS WELL AS A SIDEWALK CROSSING PERMIT WITH THE DPW.
- 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 UNEXPECTED BACKFILLED UTILITIES. A MINIMUM OF 48 HOURS NOTICE IS REQUIRED PRIOR TO INSPECTIONS.
- THE CONTRACTOR SHALL NOTIFY THE ENGINEERING DIVISION 48 HOURS IN ADVANCE AND SCHEDULE AN APPOINTMENT TO HAVE THE DRAINAGE SYSTEM INSPECTED. THE SYSTEM MUST BE FULLY EXPOSED FOR THE INSPECTOR. ONCE THE INSPECTOR IS SATISFIED, THE SYSTEM MAY THEN BE BACKFILLED.
- 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 REMAINING WORK. THE CITY ENGINEER SHALL DETERMINE THE VALUE OF THE UNCOMPLETED WORK.
- 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 ON PUBLIC AND PRIVATE PROPERTY.
- 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 FUNCTIONALITY OR PERFORMANCE OF ANY ITEMS CONSTRUCTED IN ACCORDANCE WITH THE DESIGN(S). THE CITY OF NEWTON ASSUMES NO LIABILITIES FOR DESIGN ASSUMPTIONS, ERRORS OR OMISSIONS BY THE ENGINEER OF RECORD.
- PROPOSED SEWER PIPE SHALL BE 6" PVC SDR 35.
- PROPOSED WATER SERVICE SHALL BE 1" TYPE K COPPER.
- 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.
- THE PROPOSED SEWER SERVICE LINE WILL NEED TO BE PRESSURE TESTED PRIOR TO USE.
- PROPOSED WALLS BY OTHERS.
- PROPOSED DRAIN PIPE SHALL BE 4" PVC SCHEDULE 40 OR 4" DUCTILE IRON WHERE THERE IS LESS THAN 3 FEET OF COVER IN THE DRIVEWAY.



**PROPOSED SEWER CONNECTION**  
 VERTICAL SCALE: 1 IN. = 2 FT.  
 HORIZONTAL SCALE: 1 IN. = 20 FT.



**AVERAGE GRADE CALCULATION:**  
 N.T.S.



**BUILDING HEIGHT DETAIL**  
 N.T.S.

**AVERAGE GRADE CALCULATION:**

1.	(143.0+145.8) / 2	X 6.9'	= 986.4	
2.	(146.0+146.0) / 2	X 18.0'	= 2,628.0	
3.	(146.0+148.1) / 2	X 22.4'	= 3,293.9	
4.	(148.3+148.3) / 2	X 15.2'	= 2,254.2	
5.	(148.3+154.5) / 2	X 16.1'	= 2,437.5	
6.	(154.5+154.9) / 2	X 26.7'	= 4,130.5	
7.	(154.8+153.0) / 2	X 6.2'	= 954.2	
8.	(148.2+148.2) / 2	X 11.2'	= 1,659.8	
9.	(148.2+148.1) / 2	X 7.7'	= 1,140.8	
10.	(148.1+140.0) / 2	X 25.2'	= 1,633.1	
			155.7'	23,115.4

23,115.4 / 155.7 = 148.5

**ZONING INFORMATION**

ZONE: SR-2  
 PLAN DATED: AUGUST 1926  
 DEED REF: BOOK 26157 PAGE 312

	EXISTING	PROPOSED	REQUIRED
BUILDINGS	1,013 S.F.	1,729 S.F.	
STRUCTURES DRIVE	1,013 S.F.	1,729 S.F.	
	236 S.F. ±	542 S.F. ±	
	1,249 S.F. ±	2,271 S.F. ±	
LOT COVERAGE	12.0%	20.5%	30% (MAX)
OPEN SPACE	85% ±	73% ±	50% (MIN.)
F.A.R.	0.22	0.40	0.41 (MAX)
BASEMENT	165 S.F.	194 S.F.	
1st FLOOR	947 S.F.	1,629 S.F.	
2nd FLOOR	753 S.F.	1,522 S.F.	
	1,865 S.F.	3,345 S.F.	

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

**LEGEND**

- UTILITY POLE
- WATER GATE
- ⊕ HYDRANT
- ⊗ GAS GATE
- ⊙ SEWER MANHOLE
- ⊕ DRAIN MANHOLE
- ⊞ CATCH BASIN
- TREE
- ⊙ LIGHT POLE
- ⊞ SIGN
- TBR TO BE REMOVED
- TBA TO BE ABANDONED
- THH DEEP TEST HOLE
- PT#1 PERCOLATION TEST
- 71.4 X SPOT ELEVATION
- [71] — PROPOSED CONTOUR
- 71 --- EXISTING CONTOUR
- D — DRAIN LINE
- RD — ROOF DRAIN
- W — WATER LINE
- S — SEWER LINE
- G — GAS LINE
- OHW — OVER HEAD WIRES
- X — FENCE
- ⊞ STONEWALL
- ⊞ HEDGE
- ⊞ TREE LINE

**SITE PLAN OF LAND IN NEWTON, MA**

24 WILDE ROAD

SCALE: 1 IN. = 10 FT.  
 DATE: NOVEMBER 30, 2011  
 DRAWN: ES  
 CHECK: MSK # DB

**REVISIONS:**

DATE	REVISION	BY
2/8/12	VARIOUS	JF
5/2/12	VARIOUS	ES
5/22/13	VARIOUS	ES



# WELBOURN RESIDENCE

LANDSCAPE DESIGN

24 WILDE ROAD  
NEWTON, MA 02486

No.	Revisions	Date

Job: RD2711  
 Date: 04/11/13  
 Scale: AS NOTED  
 Drawn: DRW  
 Checked: ATR

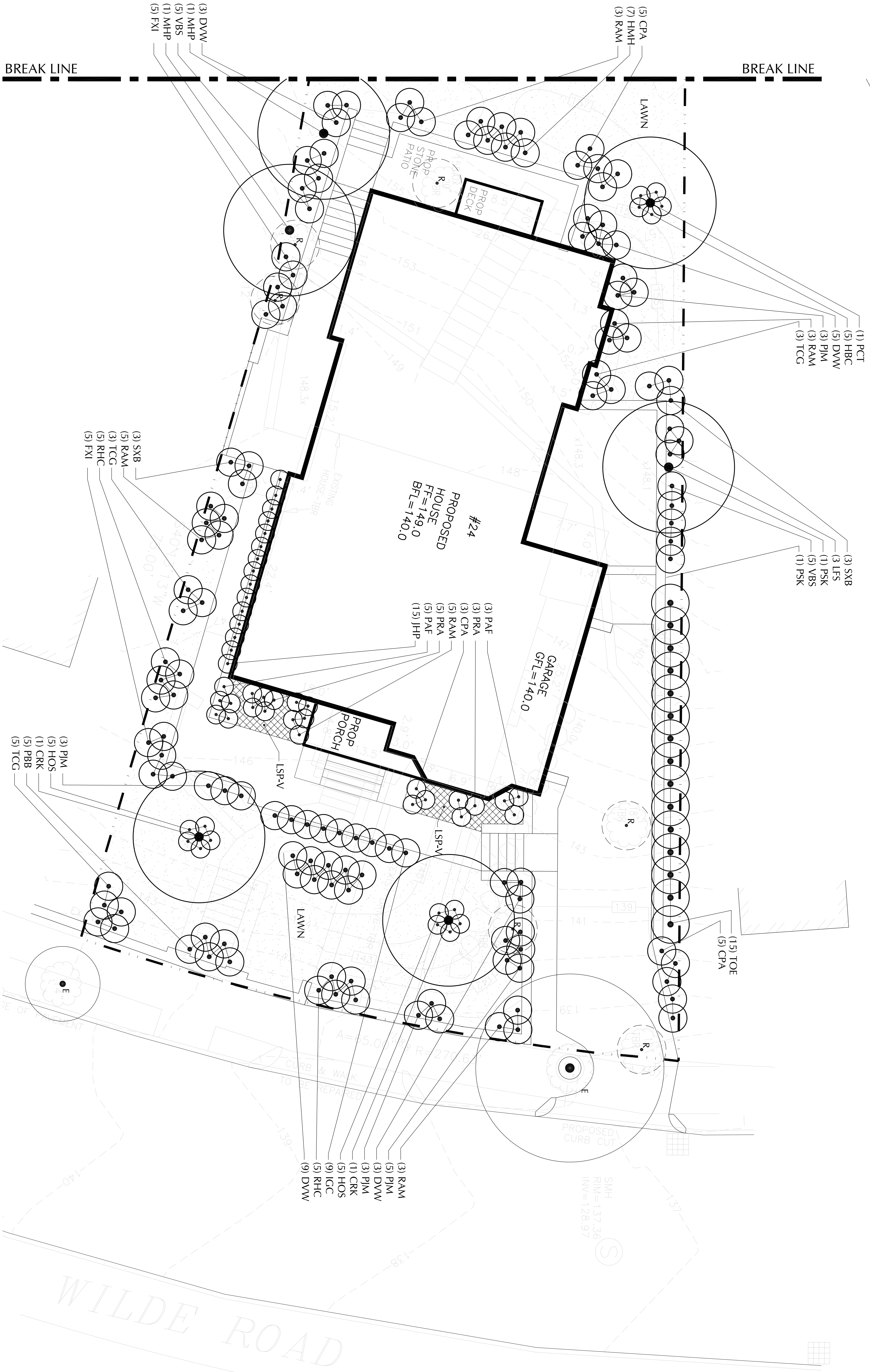
## LANDSCAPE PLANTING PLAN - PART 1

Rojas Design, Inc.  
 Architecture | BIM  
 29 Popperzi Way  
 Interior Design  
 Somerville, MA 02143  
 Landscape Architecture  
 T - 617.720.4100

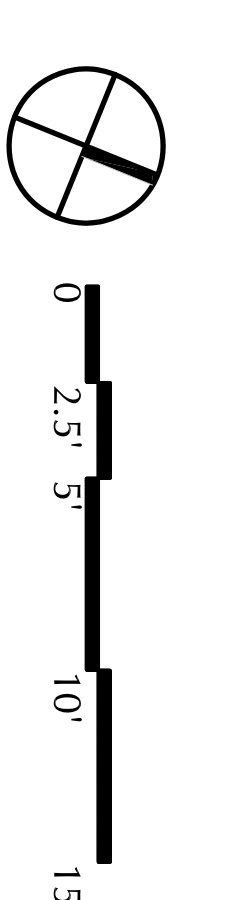
Rojas

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L-1



1 LANDSCAPE PLANTING PLAN - FRONT



# WELBOURN RESIDENCE

## LANDSCAPE DESIGN

24 WILDE ROAD  
NEWTON, MA 02486

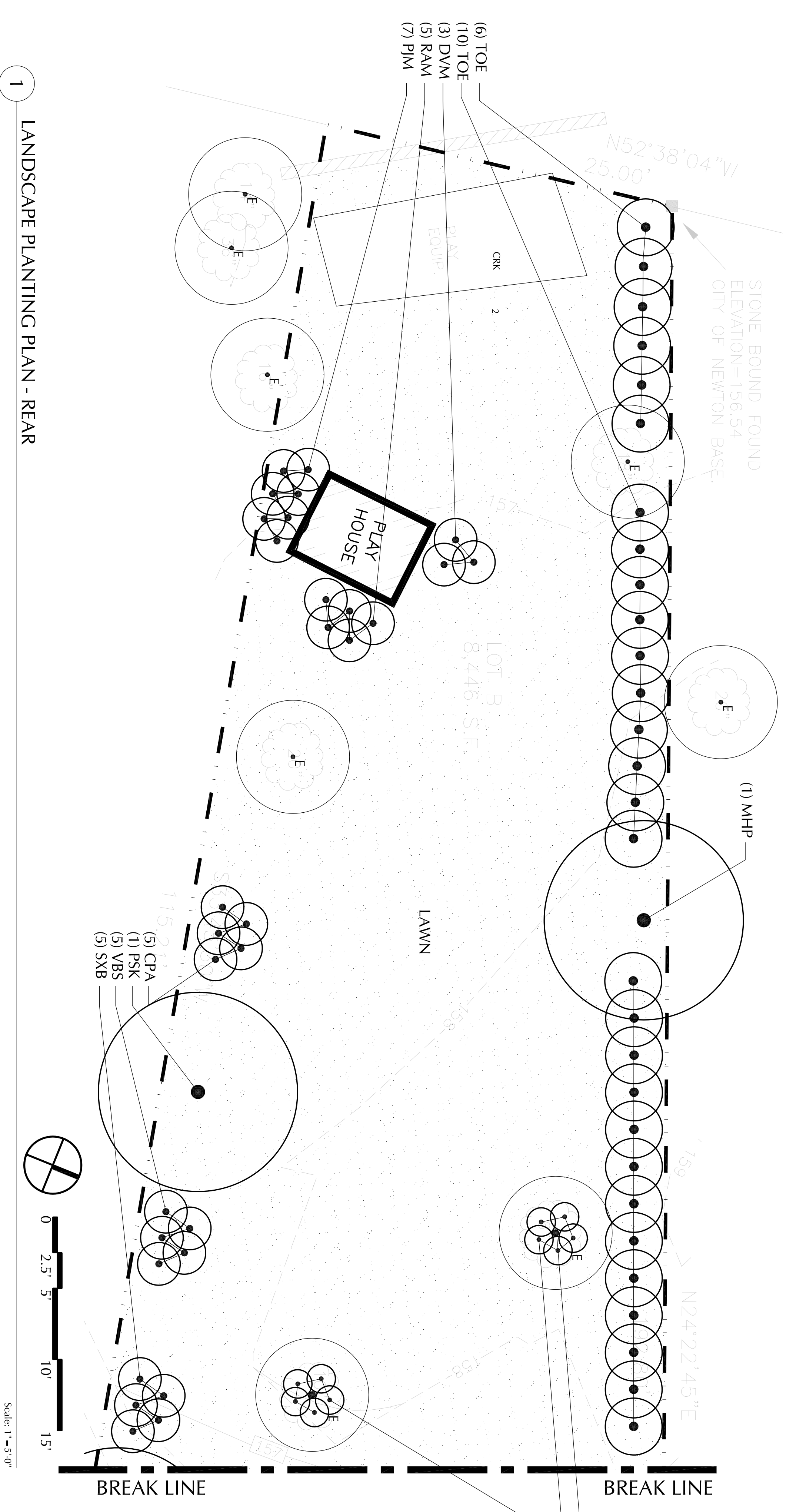
No.	Revisions	Date

Job: RD2711  
Date: 04/11/13  
Scale: AS NOTED  
Drawn: DRW  
Checked: ATR

### LANDSCAPE PLANTING PLAN - PART 2 AND PLANT LIST

Rojas Design, Inc.  
Architecture | BIM  
29 Poppyrd Way  
Interior Design  
Somerville, MA 02143  
Landscape Architecture  
7-617-720-4100

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1 LANDSCAPE PLANTING PLAN - REAR

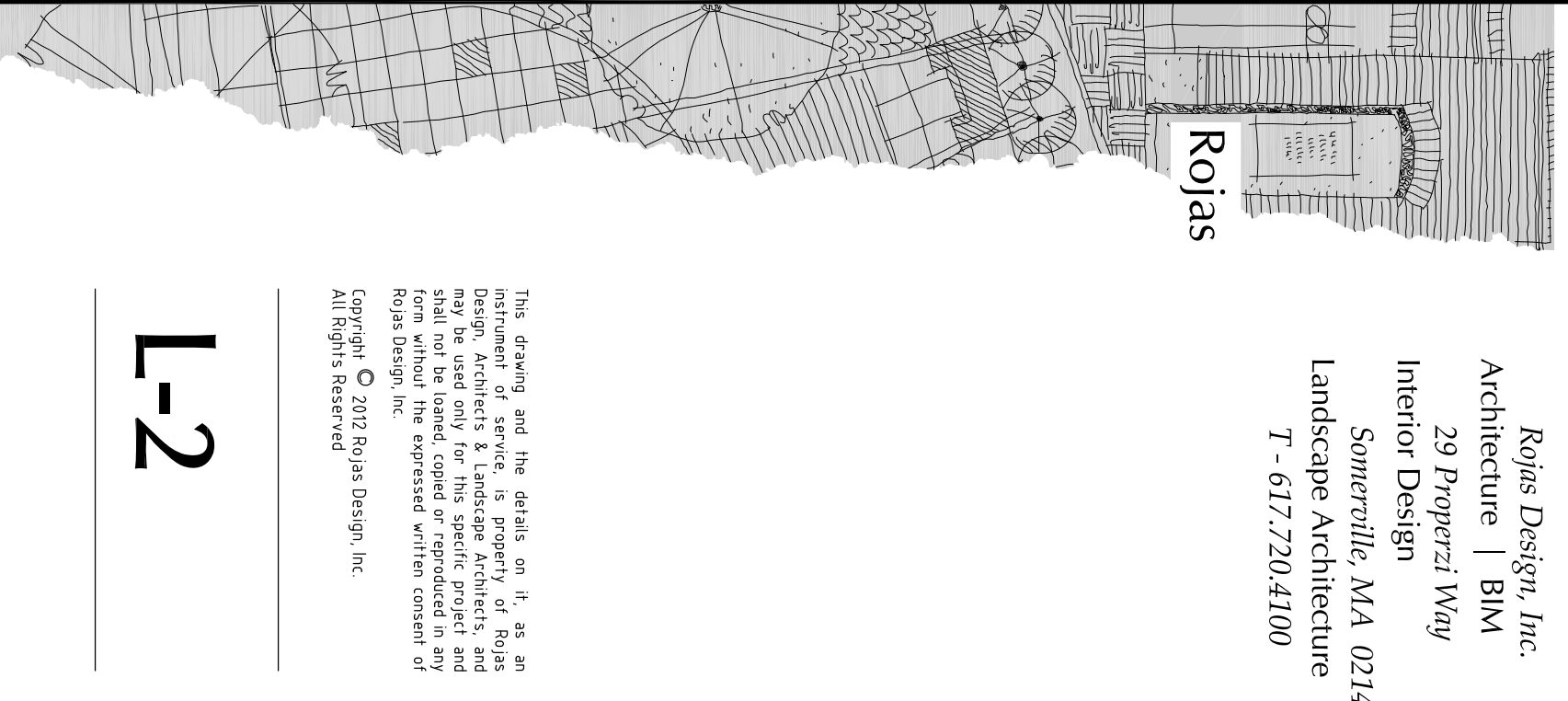
SYMB.	QTY.	BOTANICAL NAME	COMMON NAME	SIZE	CONDITION	REMARKS
E	6	EXISTING TREE	EXISTING TREE	VARIOUS	IN PLACE	PRUNE BY CERTIFIED ARBORIST AS SPECIFIED & DIRECTED BY L.A. - PROTECT AS REQUIRED
R	4	EXISTING TREE TO BE REMOVED	EXISTING TREE	VARIOUS	IN PLACE	REMOVE TREE AND STUMP IN THEIR ENTIRETY
CRK	2	CORNUS KOUSA	FLOWERING JAPANESE DOGWOOD	2 1/2'-3' CAL.	B & B	DENSE BRANCHING, ELEGANT, AND STRONG TRUNKS. SPACING AS SHOWN
MHP	3	MALUS HALIANA PARKMANII	PARKMAN CRAB APPLE	2 1/2'-3' CAL.	B & B	DENSE BRANCHING, SPACING AS SHOWN
PCT	1	PRUNUS CERASIFERA 'THUNDERCLOUD'	THUNDERCLOUD PLUM	2 1/2'-3' CAL.	B & B	DENSE BRANCHING, ELEGANT, AND STRONG TRUNKS. SPACING AS SHOWN
PSK	1	PRUNUS SERULATA 'WVANZAN'	KWANZAN JAPANESE CHERRY	2 1/2'-3' CAL.	B & B	DENSE BRANCHING, ELEGANT, AND STRONG TRUNKS. SPACING AS SHOWN
CPA	13	CHAMAECYPARIS HISPIDA 'AUREA'	GOLDEN THREADLEAF CYPRUSS	2'-0" - 2'-6" SPREAD	B & B	YELLOW/GOLD COLOR YEAR-ROUND - BROAD DOME FORM - SPACING @ 2'-0" O.C. - EVERGREEN
FXI	10	FOKSYTHIA X INTERMEDIA 'ARNOLD DWARF'	ARNOLD DWARF BORDER FOKSYTHIA	2'-6" - 3'-0" TALL	B & B	PALE YELLOW FLOWERS - BLOOMS MARCH - APRIL - SPACING AT 2'-6" O.C.
ICC	9	ILEX GLABRA 'COMPACTA'	COMPACT INKBERRY	2'-6" - 3'-0" TALL	B & B	EVERGREEN - DENSE MOUNDED FORM - SPACING AT 2'-6" O.C.
JHP	15	JUNIPERUS HORIZONTALIS 'PLUMOSA'	ANDORRA JUNIPER	2'-0" - 2'-6" SPREAD	B & B	LOW GROWING - CREEPING FORM - FOLIAGE TURNS PURPLE IN FALL - SPACING AT 2'-0" O.C.
LIS	3	LEUCOHOE FONTANESIANA 'SCARLETTA'	DROPPING LEUCOHOE	2'-6" - 3'-0" TALL	B & B	WHITE FLOWERS - BLOOMS LATE SPRING - EARLY SUMMER - SPACING AT 2'-6" O.C.
PBB	5	PIERIS 'BROOKERS BEAUTY'	BROOKERS BEAUTY ANDROMEDA	2'-6" - 3'-0" TALL	B & B	CREAMY WHITE FLOWER - BLOOMS LATE APRIL - SPACING AT 2'-6" O.C.
DWV	23	RHOODOENDRON 'DELAWARE VALLEY WHITE'	DELAWARE VALLEY WHITE AZALEA	2'-6" - 3'-0" TALL	B & B	WHITE FLOWERS - BLOOMS APRIL - MAY - SPACING AT 2'-6" O.C. - EVERGREEN
RHC	10	RHOODOENDRON 'HINO-CRIMSON'	HINO-CRIMSON AZALEA	2'-6" - 3'-0" TALL	B & B	FUCHSIA FLOWERS - BLOOMS LATE SPRING - EARLY SUMMER - SPACING AT 2'-6" O.C. - EVERGREEN
PJM	21	RHOODOENDRON 'PJM'	PJM RHOODOENDRON	2'-6" - 3'-0" TALL	B & B	MAGENTA FLOWERS - BLOOMS LATE SPRING - EARLY SUMMER - SPACING AT 2'-6" O.C. - EVERGREEN
RAM	24	RHOODOENDRON 'RAMAPO'	RAMAPO RHOODOENDRON	2'-0" - 2'-6" TALL	B & B	VOILET - BLUE FLOWERS - BLOOMS MID MAY - SPACING AT 2'-0" O.C. - EVERGREEN
SNB	11	SPREA X BUNALDA 'COLDFLAME'	COLDFLAME SPREA	2'-6" - 3'-0" TALL	B & B	DARK PINK - RED FLOWERS - BLOOMS EARLY - MID SUMMER - SPACING AT 2'-6" O.C.
TCC	11	TALUS CUSPIDATA 'GREENWAVE'	GREENWAVE JAPANESE YEW	2'-6" - 3'-0" SPREAD	B & B	EVERGREEN WITH TOW MOUNDING FORM - SPACING AT 2'-6" O.C.
TOE	43	THUNIA OCCIDENTALIS 'ELCANTISSIMA'	COLDTYPE ARBORVITAE	4'-0" - 5'-0" TALL	B & B	EVERGREEN WITH PYRAMID FORM - SPACING AT 2'-6" O.C.
VBS	10	VIBURNUM SIEBOLDII	SIEBOLD VIBURNUM	2'-6" - 3'-0" TALL	B & B	CREAM WHITE FLOWERS - BLOOMS IN MAY - SPACING AT 2'-6" O.C.

ROJAS DESIGN, INC. RD 2711

SYMB.	QTY.	BOTANICAL NAME	COMMON NAME	SIZE	CONDITION	REMARKS
HOS	15	HOSTA 'EMERALD ATOLL'	MINIATURE HOSTAS - PLANTAIN LILY	1'-0" - 1'-6"	6" POTS	5" LONG VARIEGATED BLUE GREEN LEAVES
HBC	10	HOSTA 'BLUE CABET'	BLUE CABET HOSTA	1'-6" - 2'-6"	6" POTS	5" LONG BLUE GREEN LEAVES LAYERS - MID SUMMER
LSP-V	48	LIRIOPE SPICATA-VARIEGATED	CREEPING LIRIOPE - VARIEGATED	6" POT	CONTAINER	NARROW GREEN & WHITE BLADES WITH LAMBSEAR WHITE FLOWERS - AUGUST/SEPTEMBER
SEED	3600 SF	SEEDED LAWN	SEEDED LAWN	---	---	8 PLANTS PER 10 SF OR BED SOD OR HYDROSEED - PER LANDSCAPE ARCHITECT
HMH	7	HAKONECHLOA MACRA	HAKONE GRASS	2'-0" - 3'-0" TALL	3 GAL	BRIGHT YELLOW FOLIAGE WITH GREEN STRIPS
PAF	8	PENNSSETUM ALOPECUROIDES	FOUNTAIN GRASS	2'-0" - 3'-0" TALL	3 GAL	DENSE CLUMPED GROWTH WITH UPRIGHT
PRA	8	PEROVSKIA ATRIPPLICIFOLIA	RUSSIAN SAGE (GRASS)	3'-0" - 4'-0" TALL	5 GAL	FINE GREY GREEN BLADES WITH PURPLE HAZE FLOWERS - BLOOMS JULY TO SEPTEMBER

#### GRASSES

#### PERENNIALS





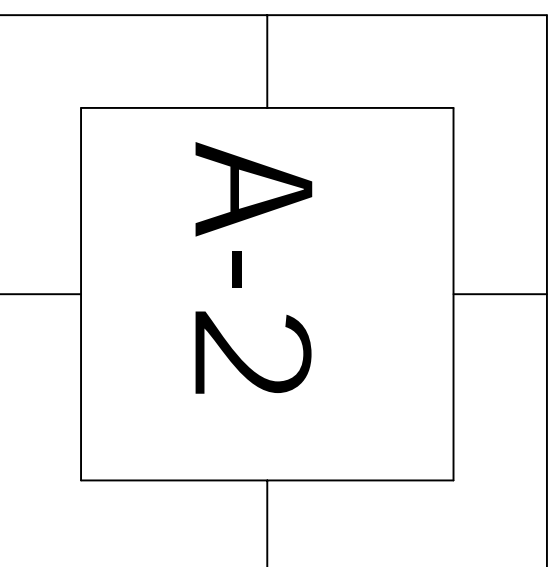
OWNER REVIEW \_\_\_\_\_ DATE \_\_\_\_\_

- 2 4/2/13 SERVIC REPORT
- 1 3/1/13 DRG REVIEW SET
- NO 3/2/13 DISSEMINATION
- ISSUE LOG \_\_\_\_\_

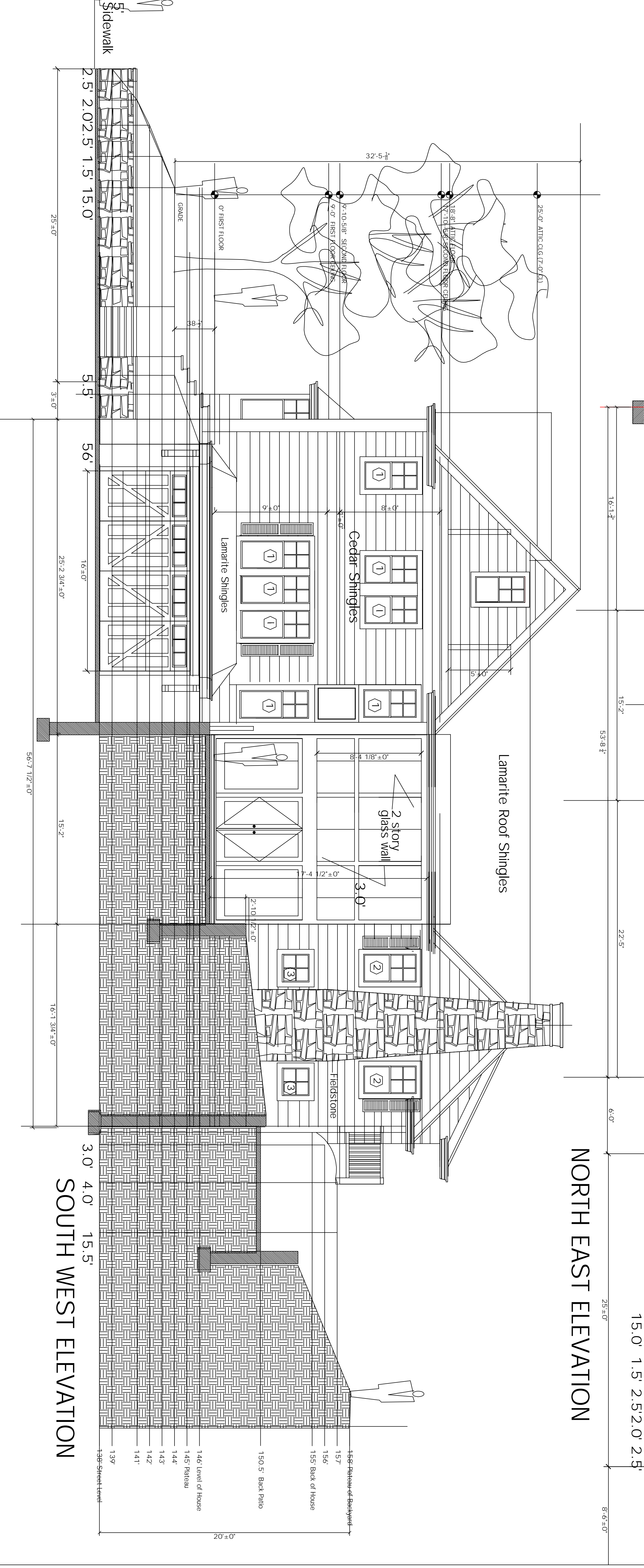
**WELBOURN RESIDENCE**  
 24 WILDE ROAD  
 Waban, Massachusetts

**EXTERIOR ELEVATIONS**

SCALE 1/4" = 1'-0"  
 DRAWN BY PFW  
 PROJ ARCH 015  
 JOB NO.

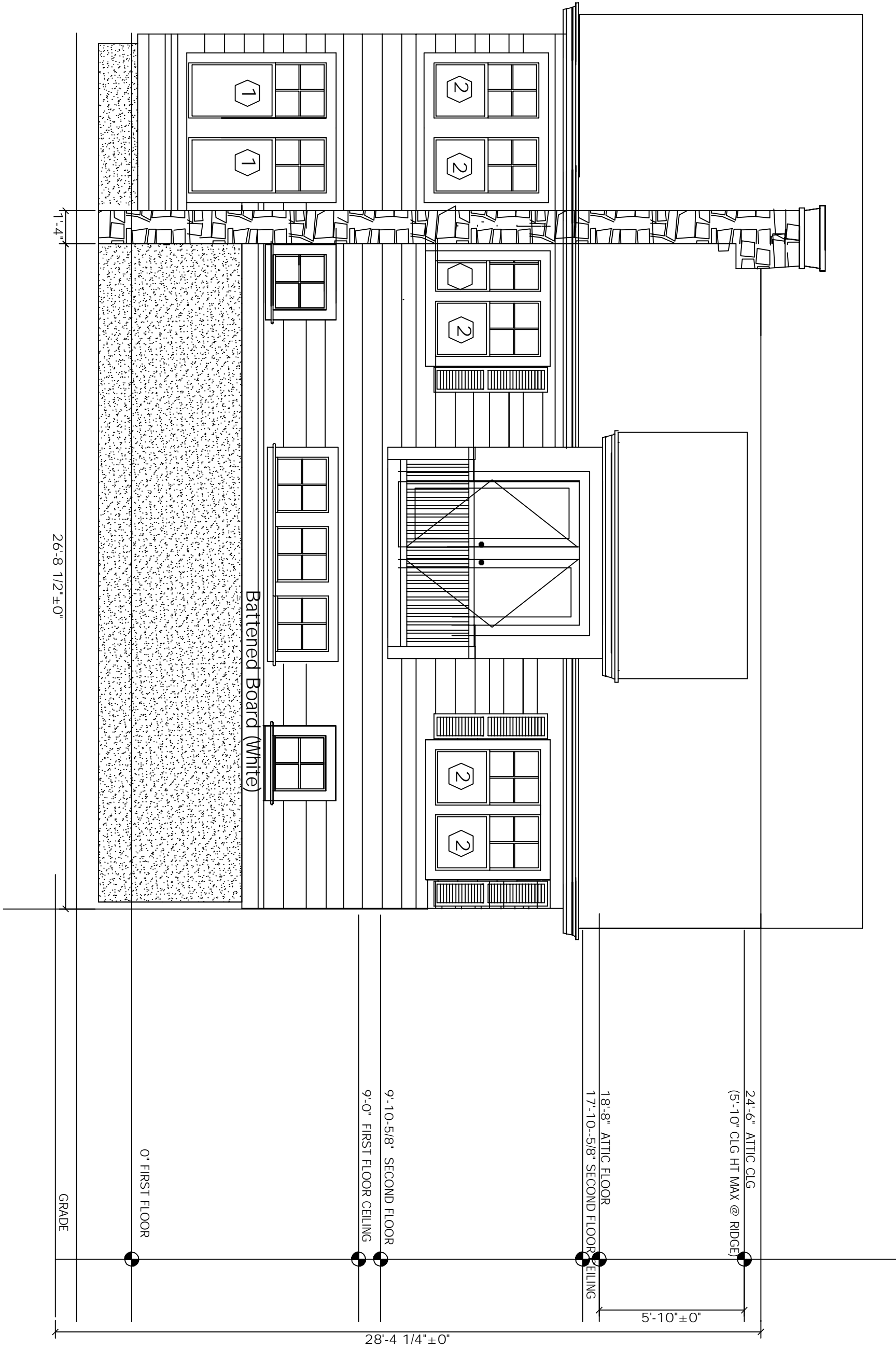


**NORTH EAST ELEVATION**



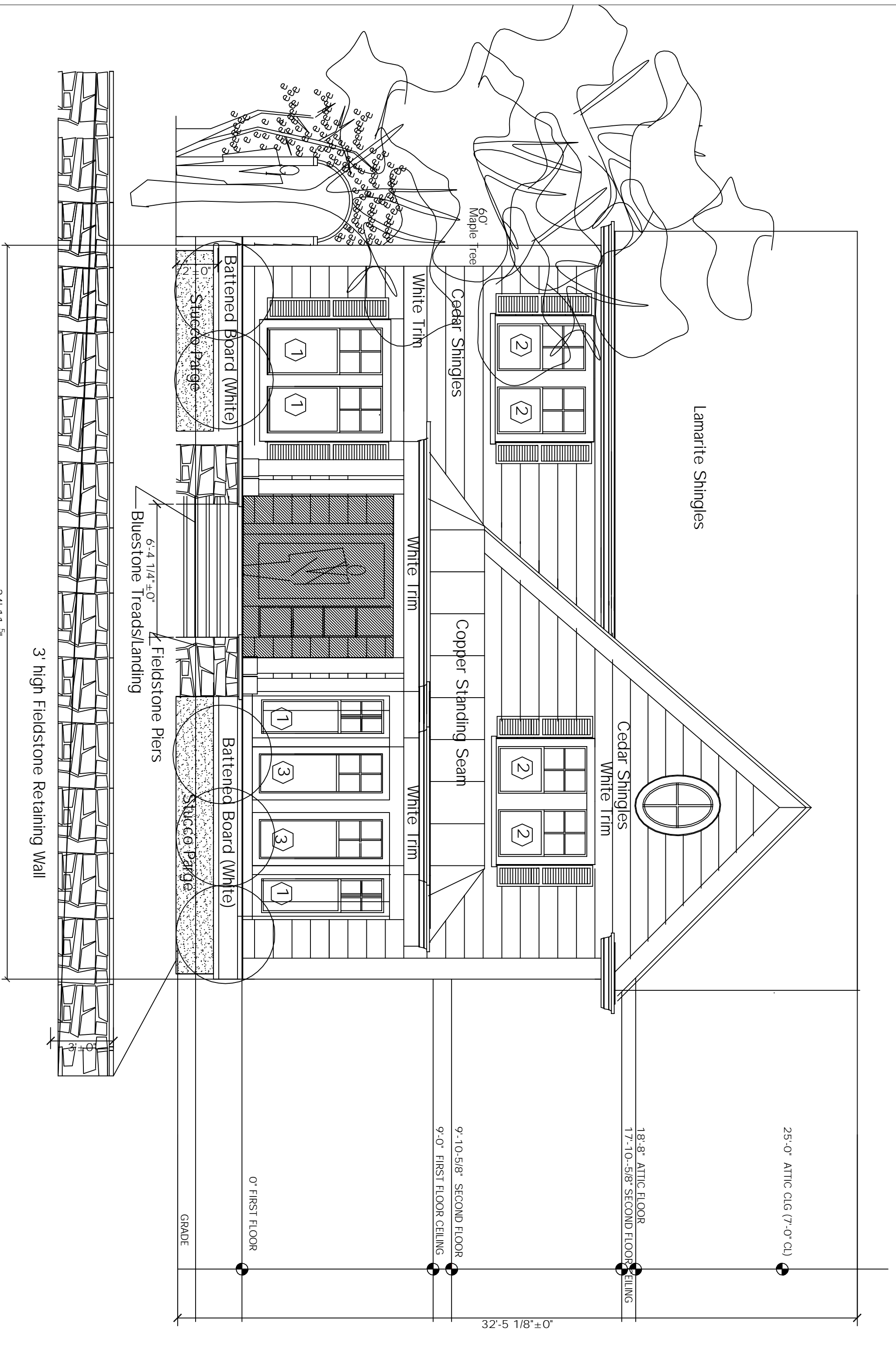
**SOUTH WEST ELEVATION**





**SOUTH EAST ELEVATION**

BACK



**NORTH WEST ELEVATION**

FRONT

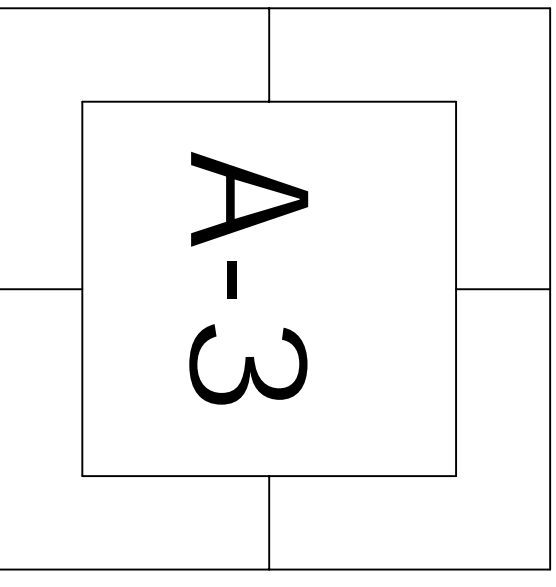
OWNER REVIEW \_\_\_\_\_ DATE \_\_\_\_\_

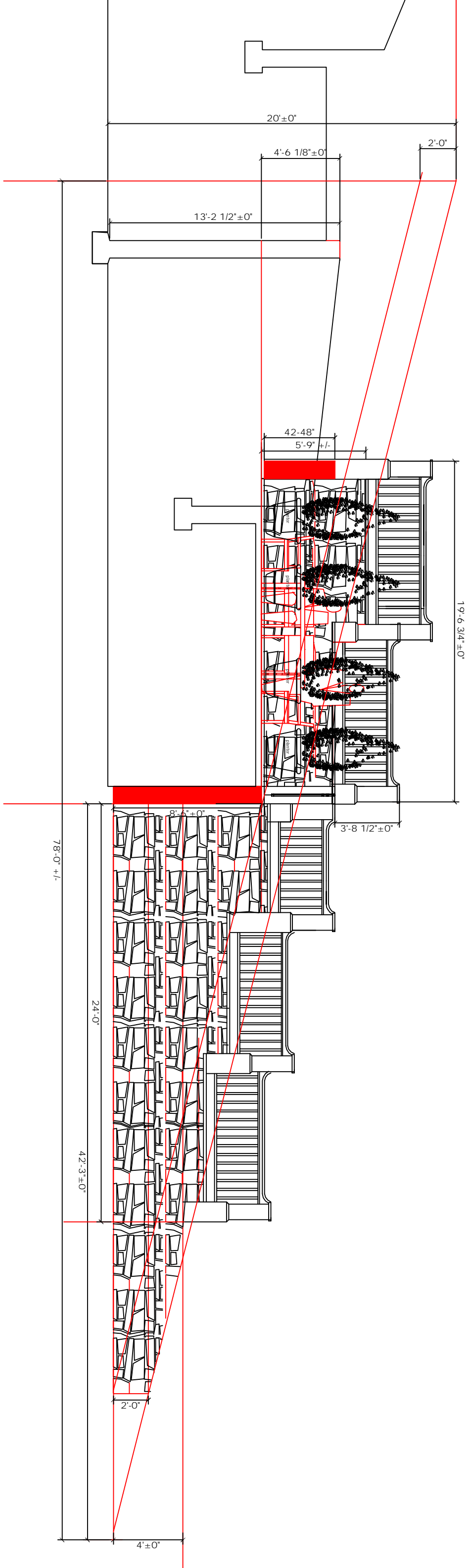
NO.	DATE	DESCRIPTION
2	4/3/13	SPECIAL PERMIT
1	3/13/13	DRY REVIEW SET

**WELBOURN RESIDENCE**  
 24 WILDE ROAD  
 Waban, Massachusetts

**EXTERIOR ELEVATIONS**

SCALE 1/4" = 1'-0"  
 DRAWN BY: PMW  
 PROJ. ARCH: PMW  
 JOB NO: 015

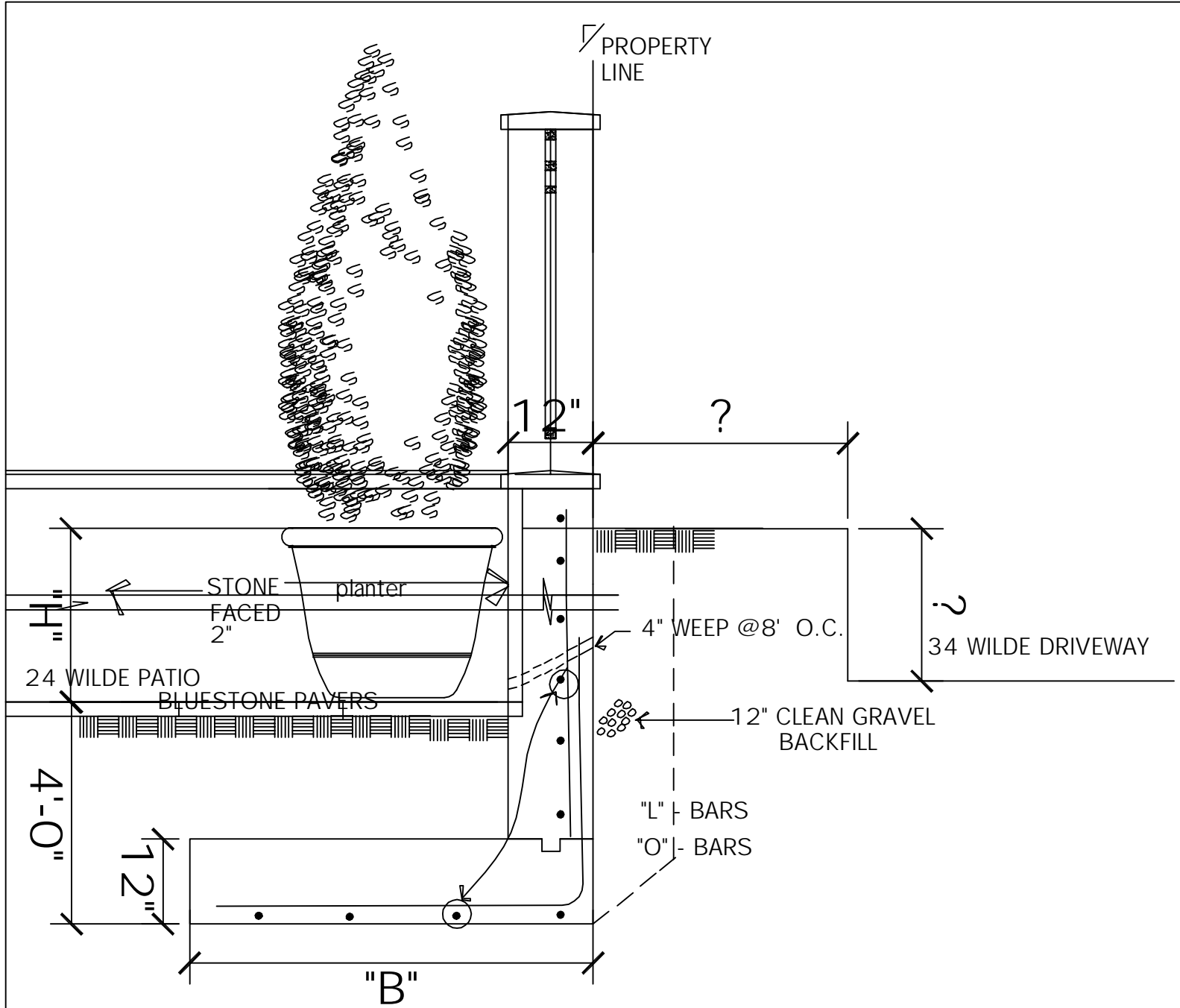




APPLICANT: Robert and Patricia Welbourn  
 24 Wilde Road  
 Waban, MA 02468

Project Name: 24 Wilde Road, Waban, MA 02468      Option No.:  
 Sheet Title: RETAINING WALL ELEVATION      Scale: 1/4" = 1'-0"  
 Drawing Date: May 21, 2013      Rev.:  
 Sheet No.: 1

**Fantuzzi Welbourn Design**  
 Architecture and Interior Design Services  
 24 Wilde Road Waban, MA 02468  
 Tel: 617-558-0182    patricia@welbourn.com



RETAINING WALL SCHEDULE

"H"	"B"	"O" - BARS	"L" - BARS
≥ 4'	2'-9"	#4 @ 12" 2'-3"	#5 @ 11"
≤ 6'	4'-9"	#5 @ 12" + #4 @ 12" 4'-3"	#5 @ 11"
≤ 8'	7'-0"	#5 @ 8" + #5 @ 16" 6'-6"	#5 @ 11"

$f'_c = 3,500 \text{ PSI}$   
RE-BAR = GR 60

SECTION @ RETAINING WALL

24 WILDE ROAD  
WABAN, MA

FILE NO. 1123 /4-17-12  
(REVISED PER J. DAGHLIAN REVIEW 4-21-12)  
(UPDATED FOR LAND USE REVIEW 5-20-13)  
SK-11