

**ZONING DISTRICT: SR-B
SUBURBAN RESIDENCE**

MINIMUM LOT AREA = 10,000 S.F.
MINIMUM LOT FRONTAGE AND WIDTH = 80 FEET
MINIMUM LOT DEPTH = 90 FEET

MINIMUM SETBACKS
FRONT = 20 FEET
SIDE = 12 FEET
REAR = 30 FEET

NOTE: TOPOGRAPHIC FEATURES DEPICTED ON THIS PLAN ARE BASED UPON PHOTOGRAMMETRY DATED APRIL 15, 1994 AND ON THE GROUND SURVEY BY HAYES ENGINEERING, INC.

ZONE A AS SHOWN ON FLOOD INSURANCE RATE MAP COMMUNITY PANEL NUMBER 250206 0003 B. EFFECTIVE DATE 8/5/86. NO ELEVATION DETERMINED.

LEGEND

- EROSION CONTROL
- LIMIT OF WORK
- EXISTING WETLAND
- EXISTING 100' BUFFER
- EXISTING SPOT ELEVATION
- EXISTING CONTOUR
- PROPOSED SPOT ELEVATION
- PROPOSED CONTOUR
- TEST HOLE (TYP)
- TEMPORARY DISTURBANCE

	FILL CU. FT.	CUT CU. FT.
100-101	150x13=1950	40x80=3200
101-102	280x13=3380	40x90=3600
102-103	305x13=3965	40x100=4000
103-104	0	5000

REVISIONS

1-11-01
5-17-01
12-03-01
01-03-02
01-25-10
04-28-21
08-11-21
10-14-21
11-17-21
2-2-22
TREES ADDED 2-15-22
INFILTRATION ADDED 3-15-22

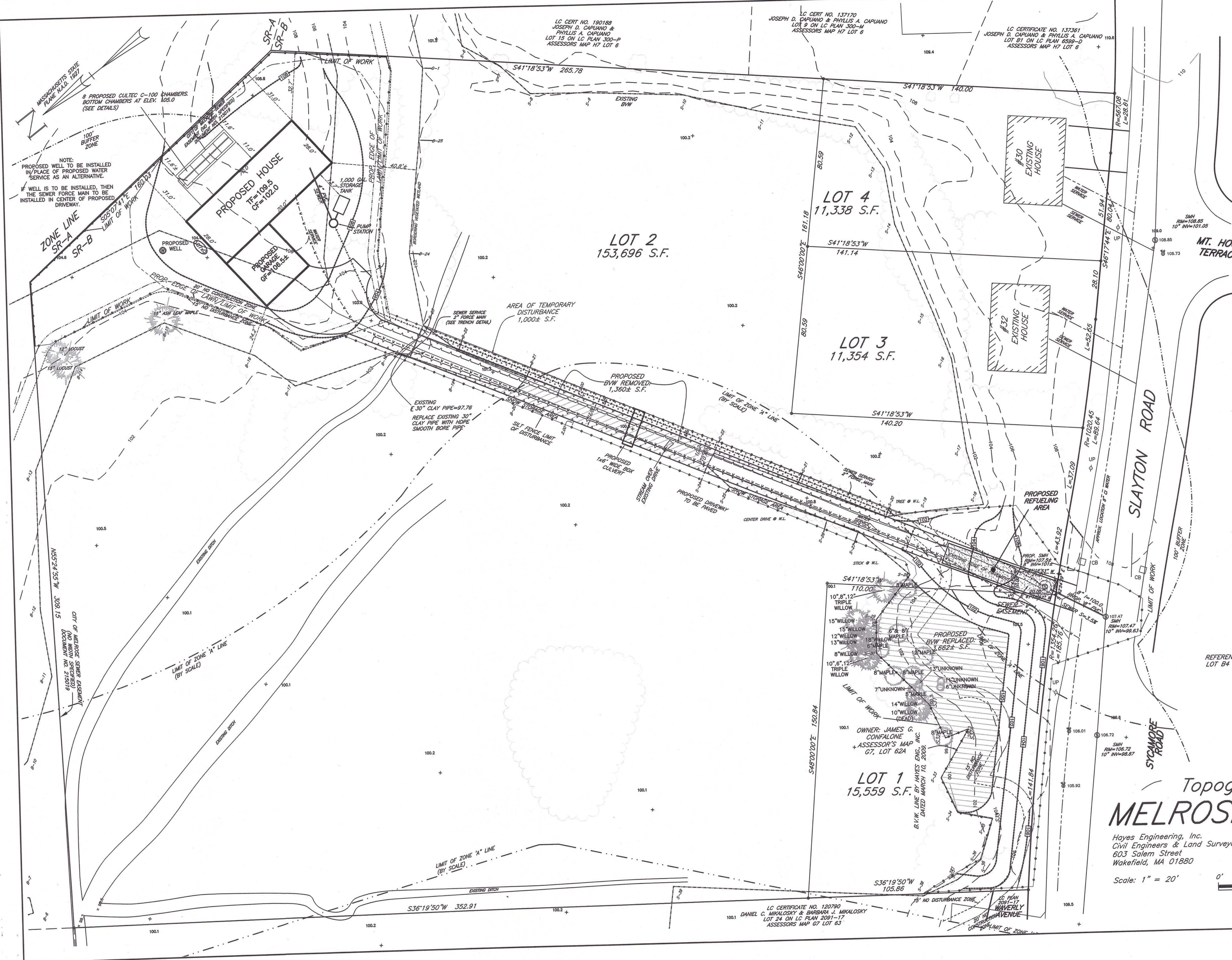
OWNER: JAMES G. CONFALONE
REFERENCE: LAND COURT CERTIFICATE NO. 161524
LOT B4 ON LAND COURT PLAN 300-14 AND LOT A
ON LAND COURT PLAN 8389-9
ASSESSOR'S MAP G7, LOT 62B

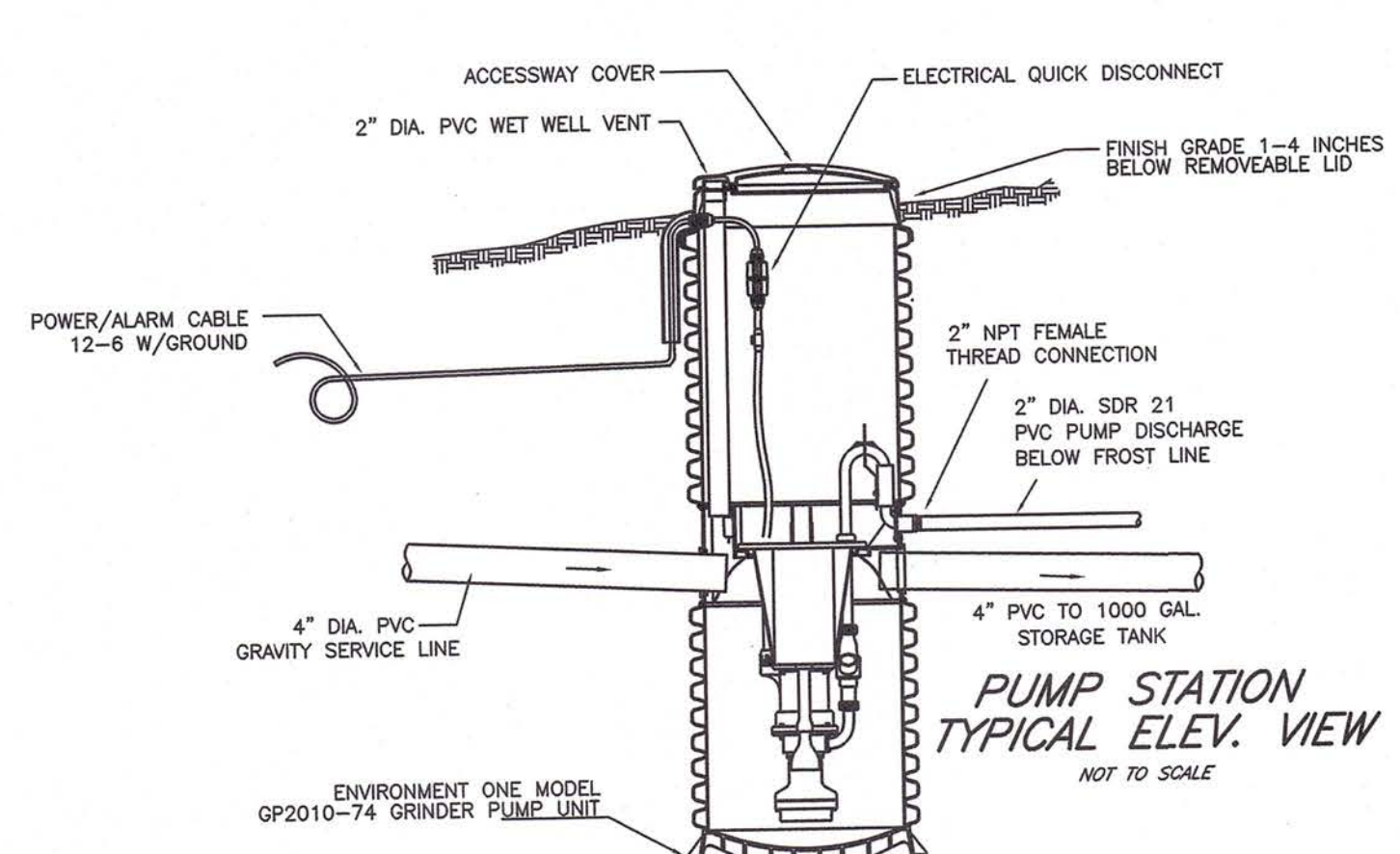


Topographic Plan in
MELROSE, MASS.

Hayes Engineering, Inc.
Civil Engineers & Land Surveyors
603 Salem Street
Wakefield, MA 01880
Telephone: 781.246.2800
Facsimile: 781.246.7596
www.hayeseng.com

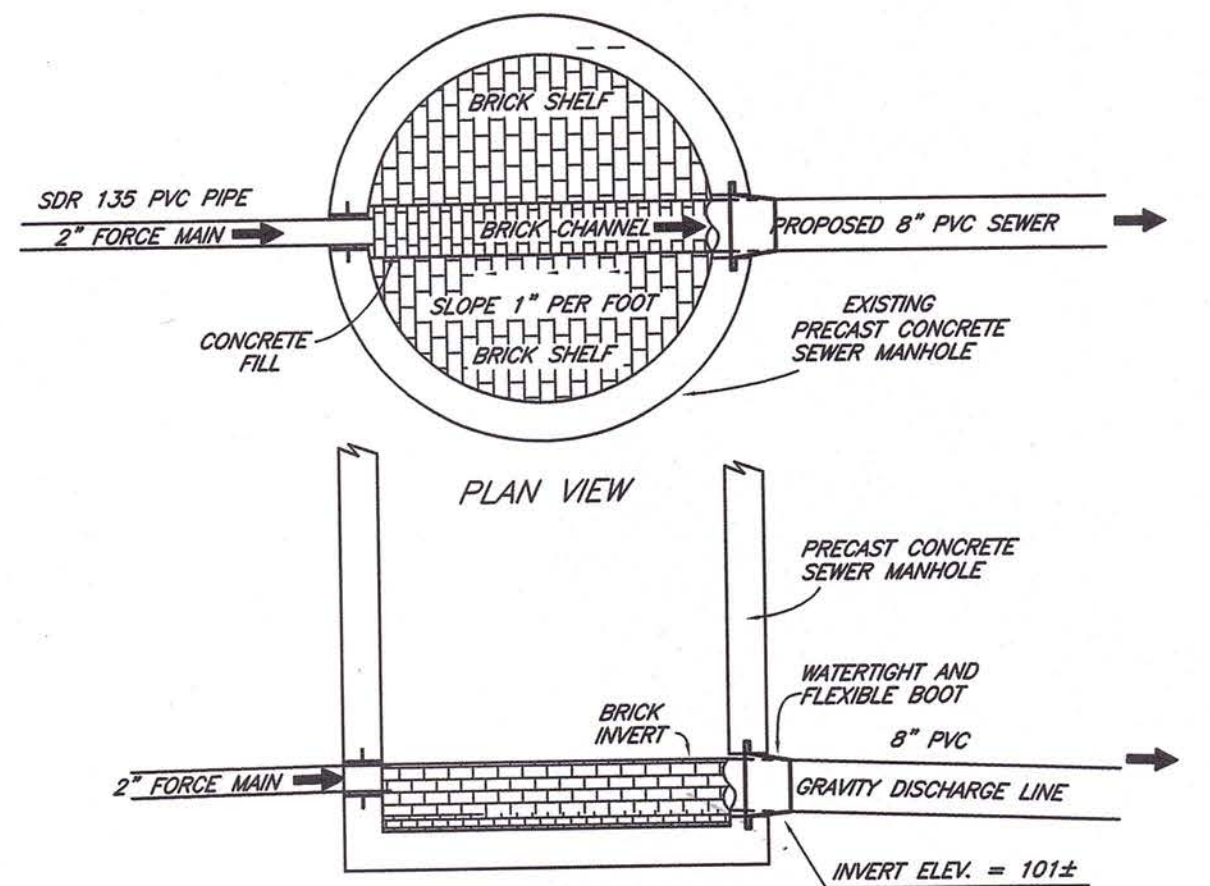
Scale: 1" = 20'
0' 10' 20' 40' 60'



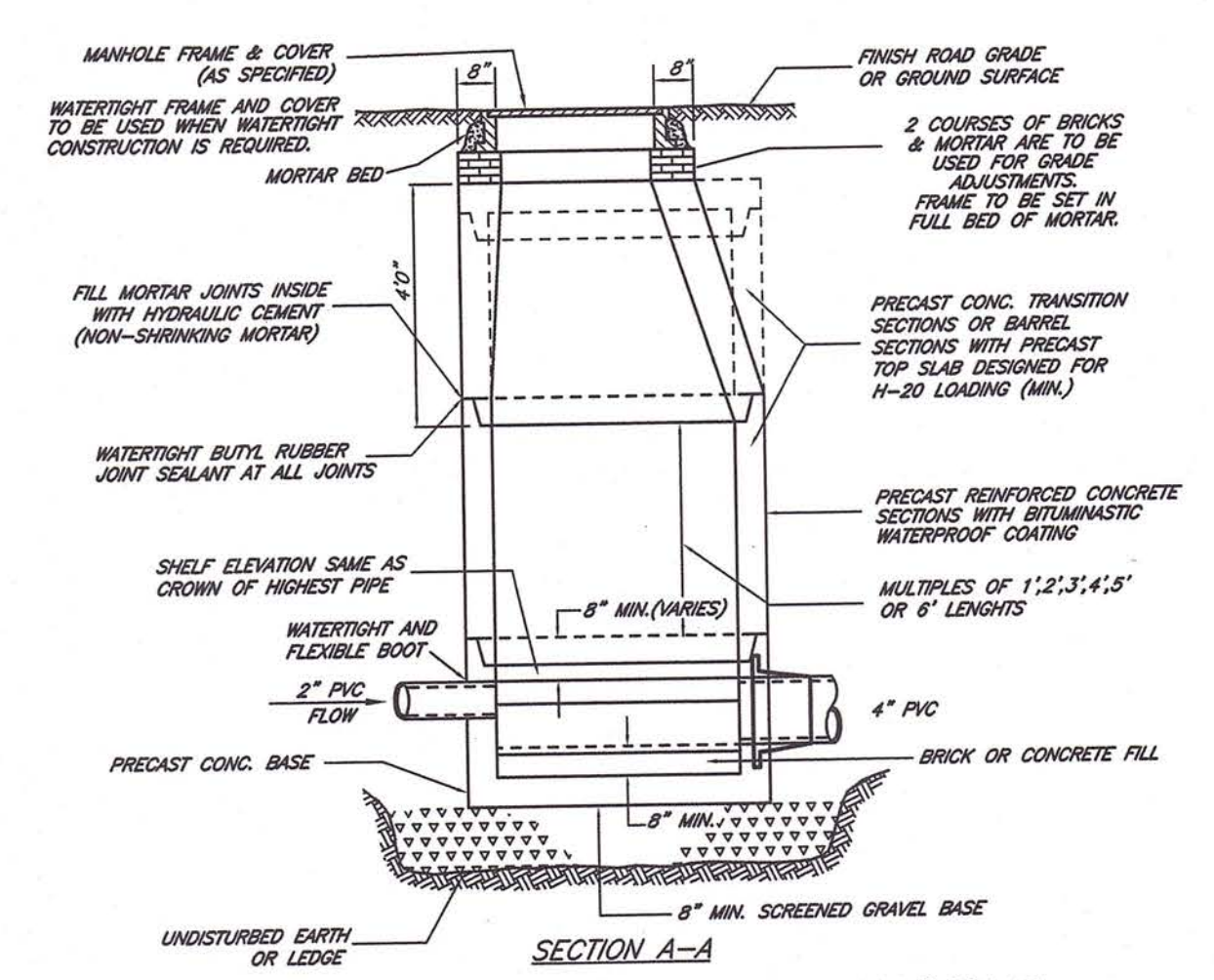


NOTE: ALL GRINDER PUMPS SHALL BE ENVIRONMENT ONE MODEL GP2010 GRINDER PUMPS, 1HP, 1,725 RPM, 120/240V/50HZ, ONE PHASE, AS MANUFACTURED BY ENVIRONMENT ONE CORPORATION OF SCHENECTADY, NY. PUMP DESIGN AND CURVE SHALL BE SUBMITTED WITH SEWER PERMIT APPLICATION FOR EACH RESIDENCE. PUMPS TO INCLUDE HIGH LEVEL ALARM, OPERATION AND MAINTENANCE MANUAL.

DISCONNECT AND ALARM PANEL SHALL BE RAIN PROOF (NEMA 3R) ENCLOSURE, EQUIPPED WITH CIRCUIT BREAKERS OR DISCONNECT SWITCH, FUSES AND AUDIO VISUAL ALARM DEVICES SHALL BE LOCATED NEXT TO THE ELECTRIC PANEL OF THAT PARTICULAR DWELLING.



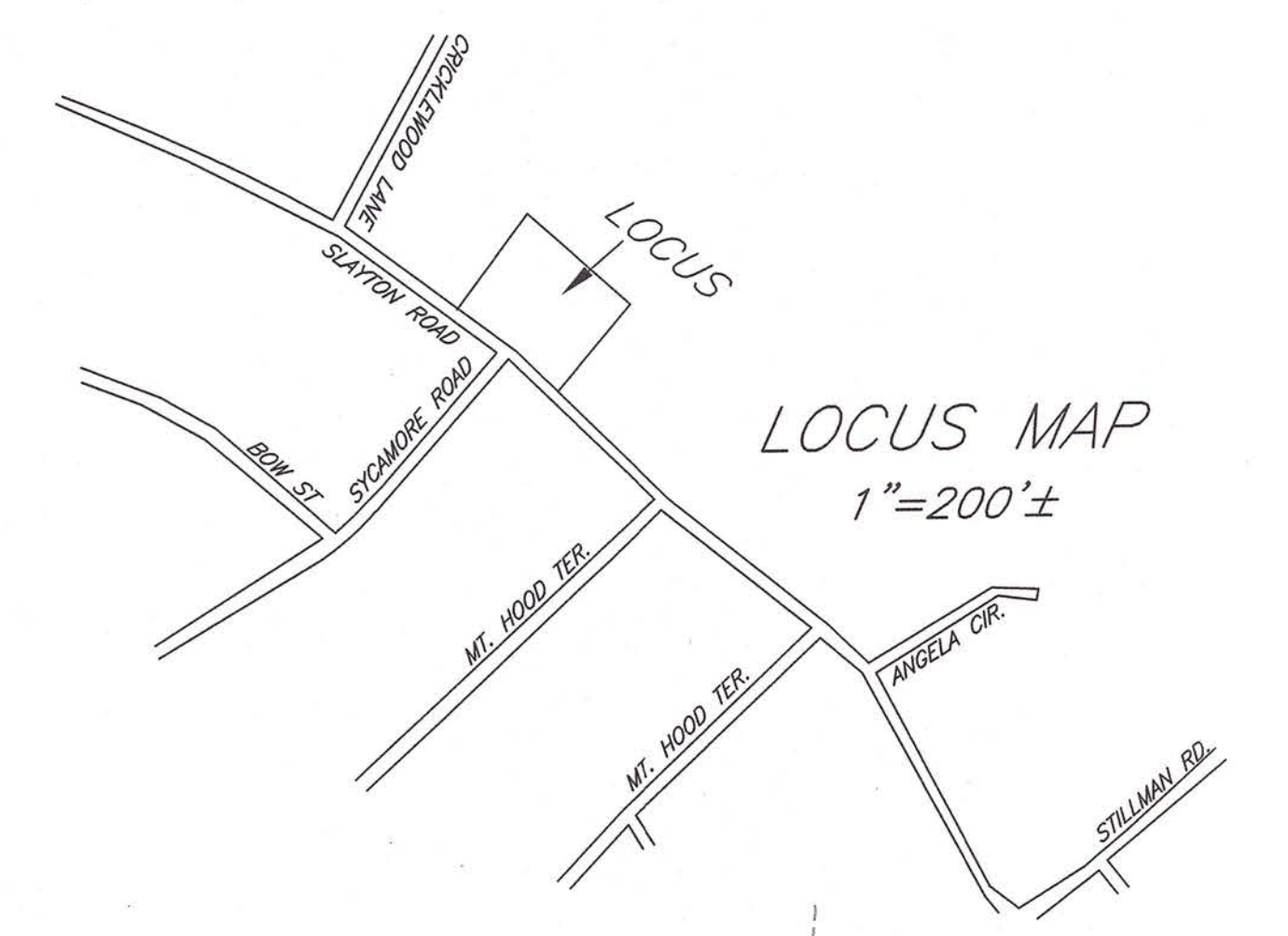
SECTION VIEW
PROPOSED SMH ON LOT 2 RIM = 107.5±
FORCEMAIN DETAIL AT DISCHARGE
MANHOLE ON LOT 2
NOT TO SCALE



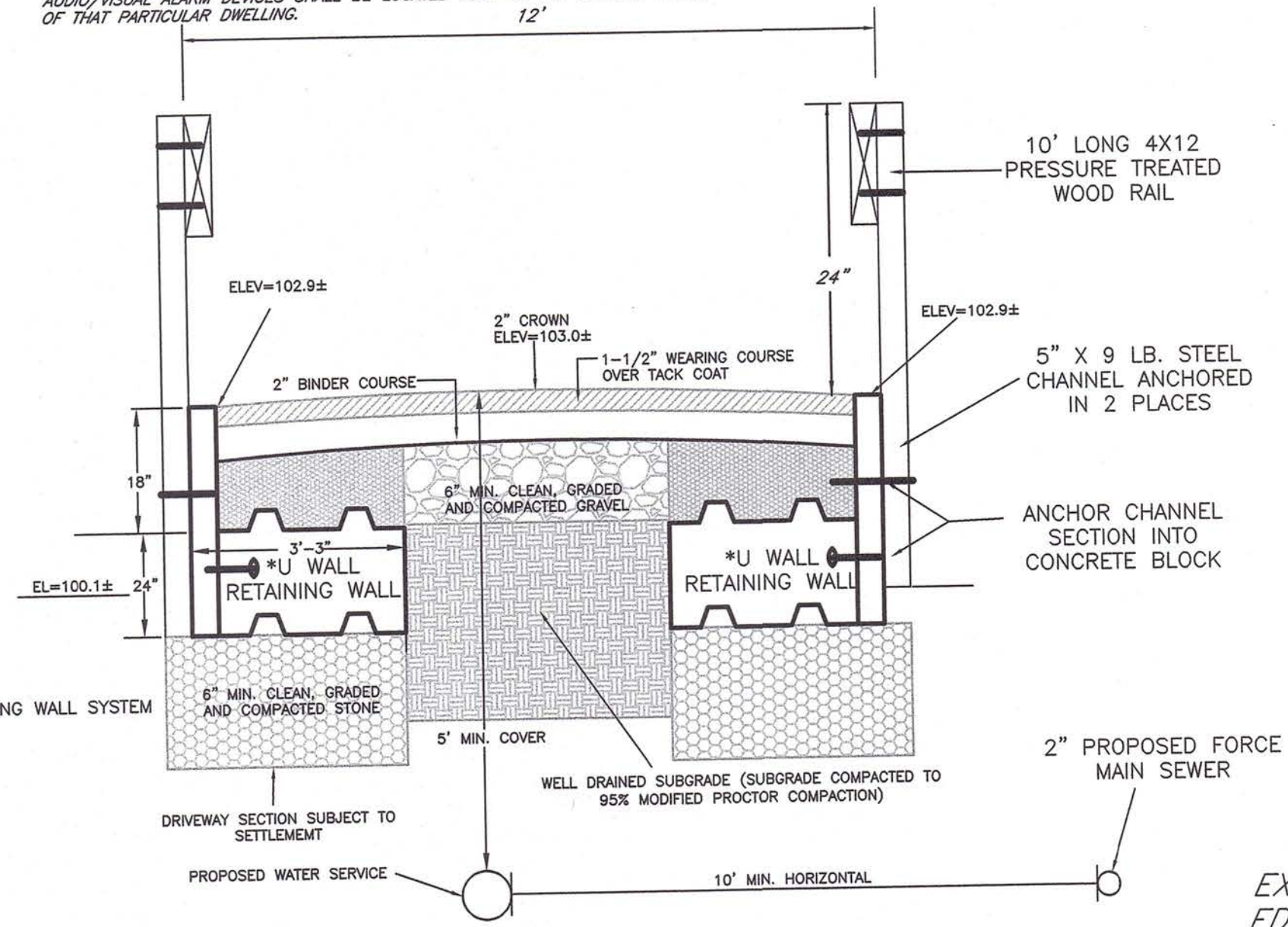
TYPICAL PRECAST SEWER MANHOLE
NOT TO SCALE

NOTE: WHEREVER FEASIBLE SEWERS WILL BE LAID AT A MINIMUM OF 10 FEET, HORIZONTALLY, FROM ANY EXISTING OR PROPOSED WATER MAIN. SHOULD LOCAL CONDITIONS PREVENT A LATERAL SEPARATION OF 10 FEET TO A WATER MAIN THE SEWER MAIN WILL BE LAID IN A SEPARATE TRENCH AND THE ELEVATION OF THE CROWN OF THE SEWER PLACED AT LEAST 18 INCHES BELOW THE INVERT OF THE WATER MAIN. WHENEVER SEWERS MUST CROSS UNDER WATER MAINS, THE SEWER SHALL BE LAID AT SUCH AN ELEVATION THAT THE CROWN OF THE SEWER IS AT LEAST 18 INCHES BELOW THE INVERT OF THE WATER MAIN. WHEN IT IS IMPOSSIBLE TO OBTAIN HORIZONTAL OR VERTICAL SEPARATION AS STIPULATED ABOVE, BOTH THE WATER MAIN AND SEWER SHOULD BE ENCASED IN CONCRETE FOR 10 FEET EITHER SIDE OF THE CROSSING.

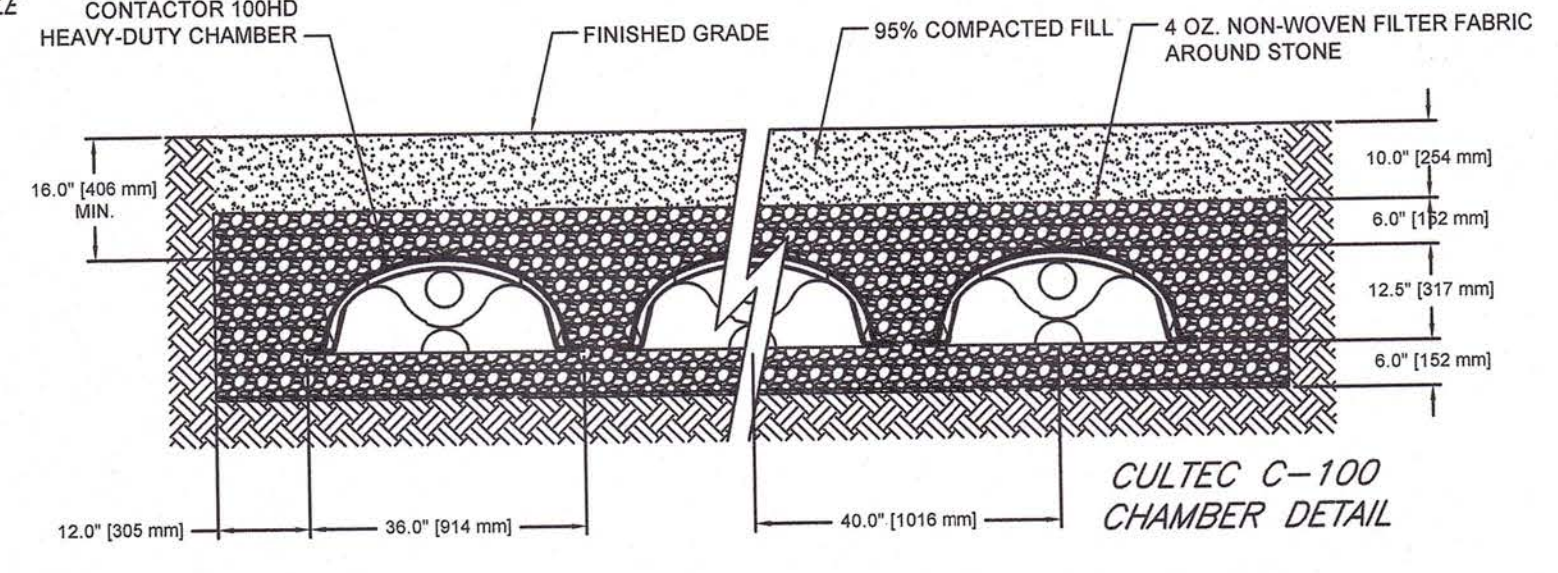
IN LOCATIONS WHERE THE SEWER MAIN DOES NOT HAVE 48\"/>



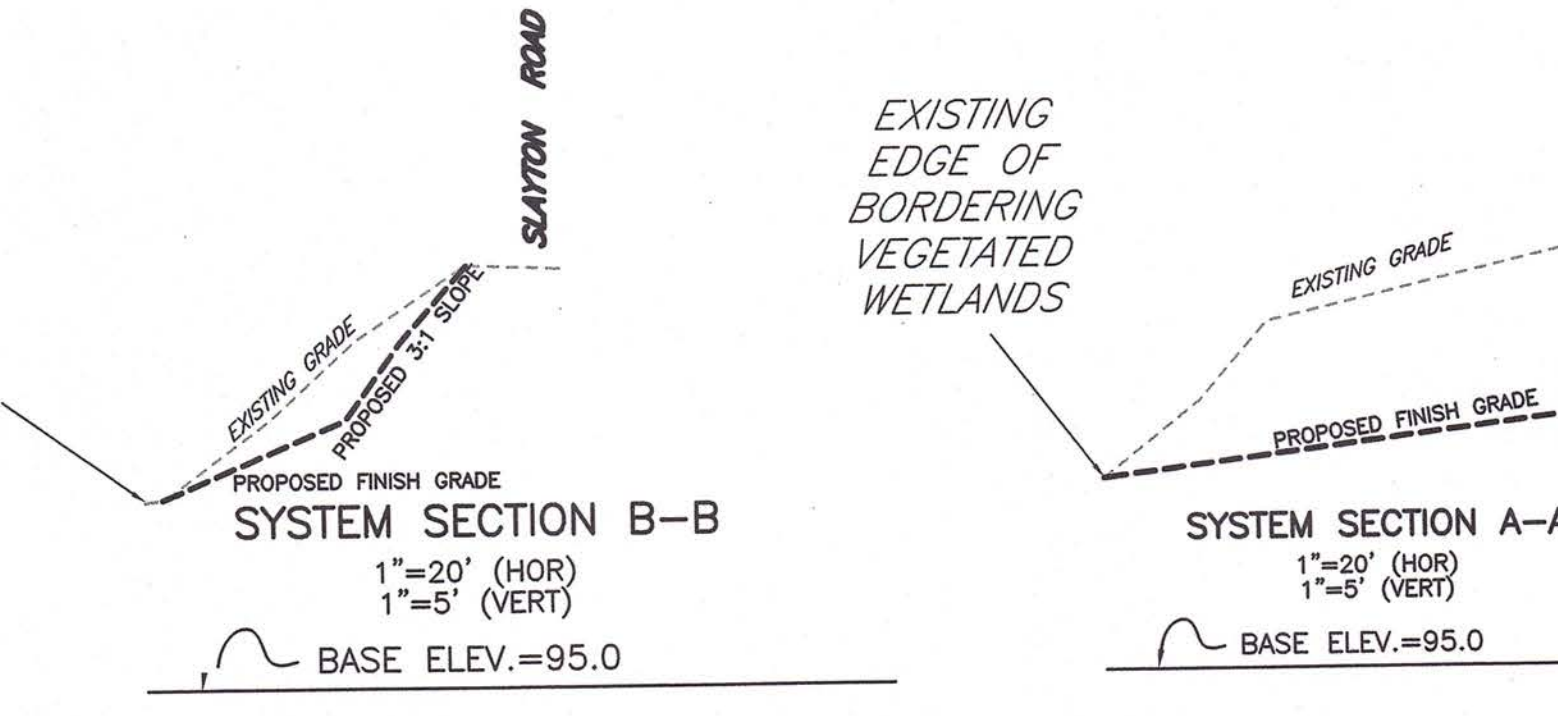
LOCUS MAP
1"=200'±



DRIVEWAY CROSS-SECTION (TYP.)
NOT TO SCALE



CULTEC C-100
CHAMBER DETAIL



SYSTEM SECTION B-B
1"=20' (HOR)
1"=5' (VERT)
BASE ELEV.=95.0

SYSTEM SECTION A-A
1"=20' (HOR)
1"=5' (VERT)
BASE ELEV.=95.0

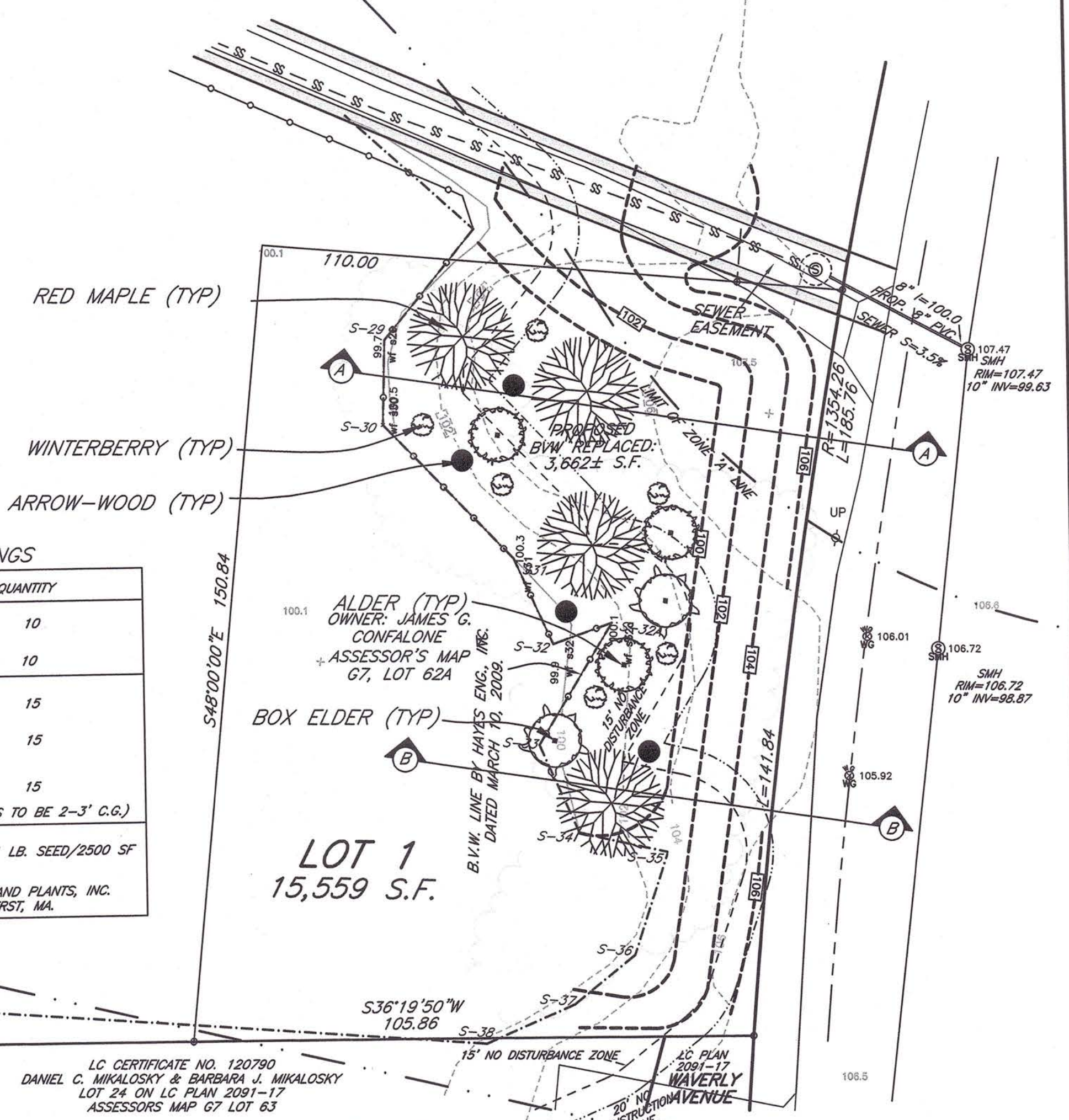
PROPOSED PLANTINGS

SPECIES	QUANTITY
RED MAPLE (TYP) (ACER RUBRUM)	10
BOX ELDER (TYP) (ACER RUBRUM)	10
ARROW-WOOD (TYP) (VIBURNUM DENTATUM)	15
ALDER (TYP) (ALNUS SERRULATA)	15
WINTERBERRY (TYP) (LLEYS VERTICILLATA)	15

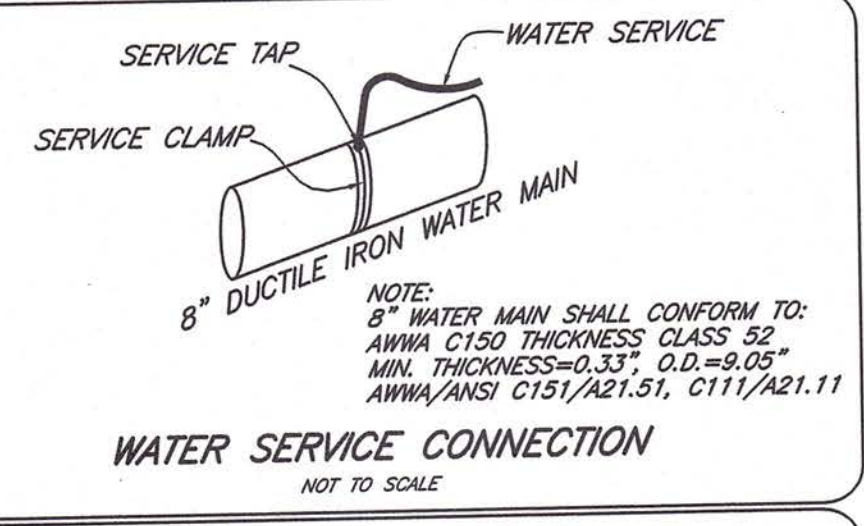
(ALL SHRUBS TO BE 2-3' C.G.)

1 LB. SEED/2500 SF

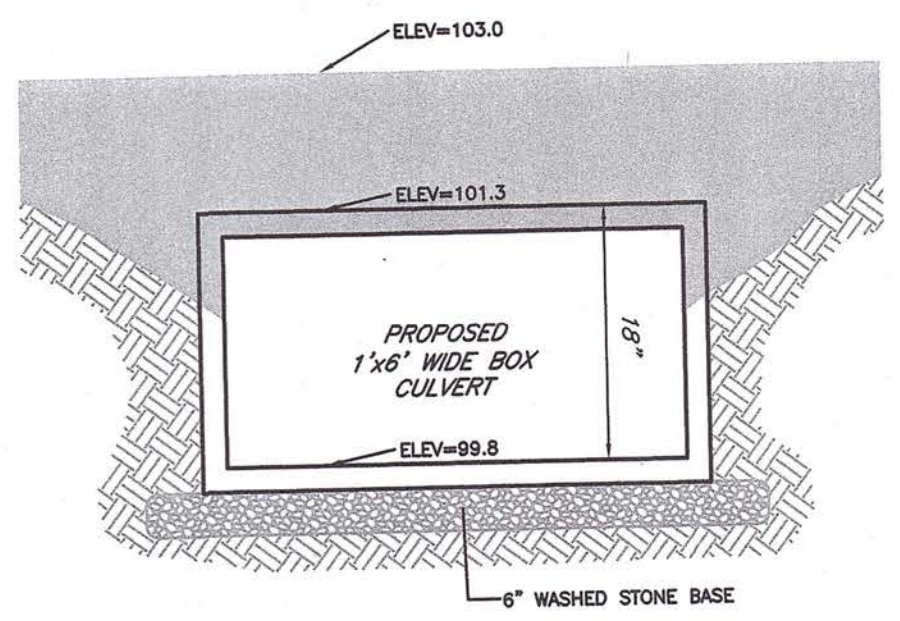
NEW ENGLAND WET MIX SEED PRODUCT
OR EQUIVALENT FROM NEW ENGLAND WETLAND PLANTS, INC.
820 WEST ST. AMHERST, MA.



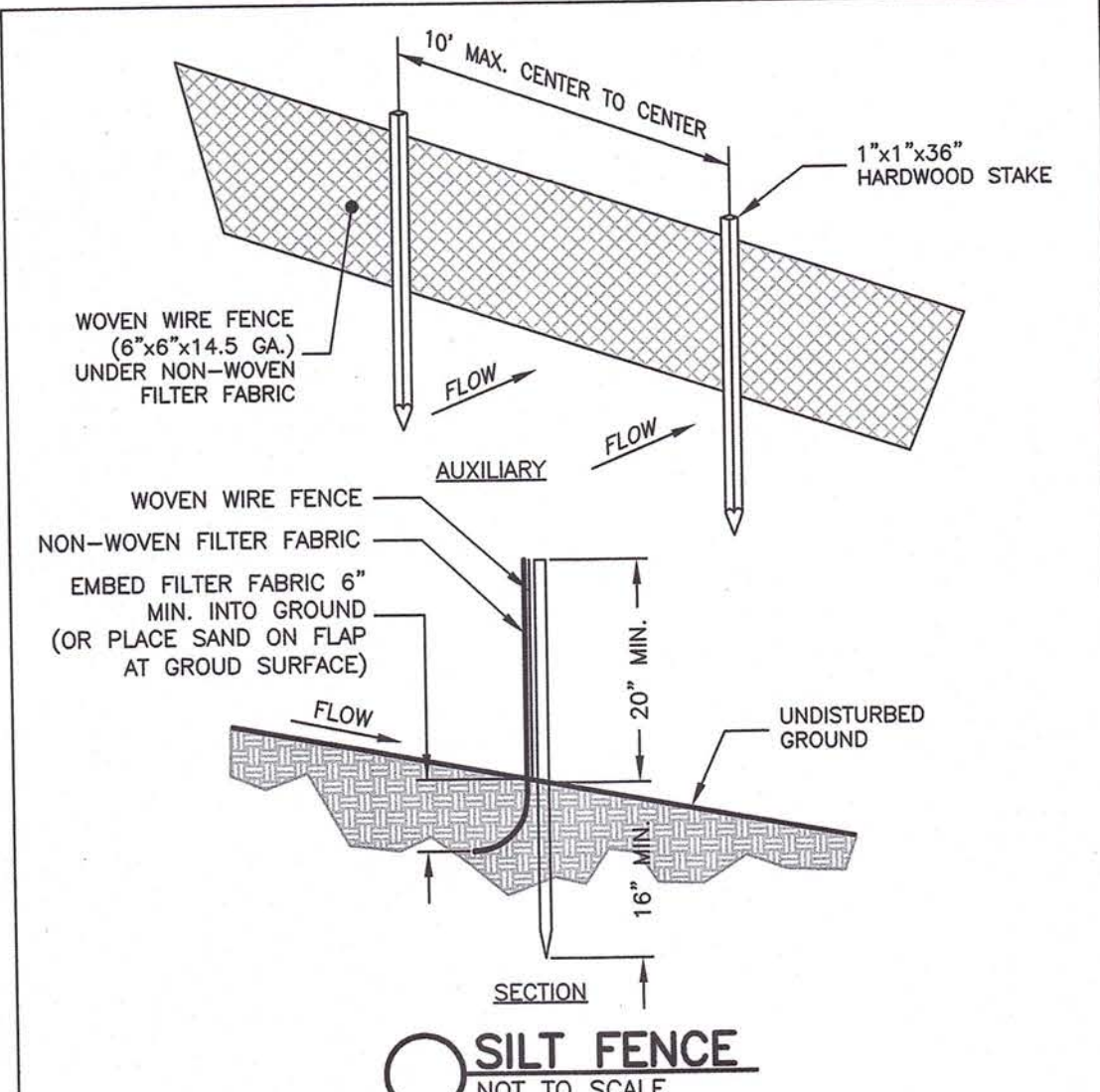
PLANTING PLAN
1"=20' (HOR)



WATER SERVICE CONNECTION
NOT TO SCALE

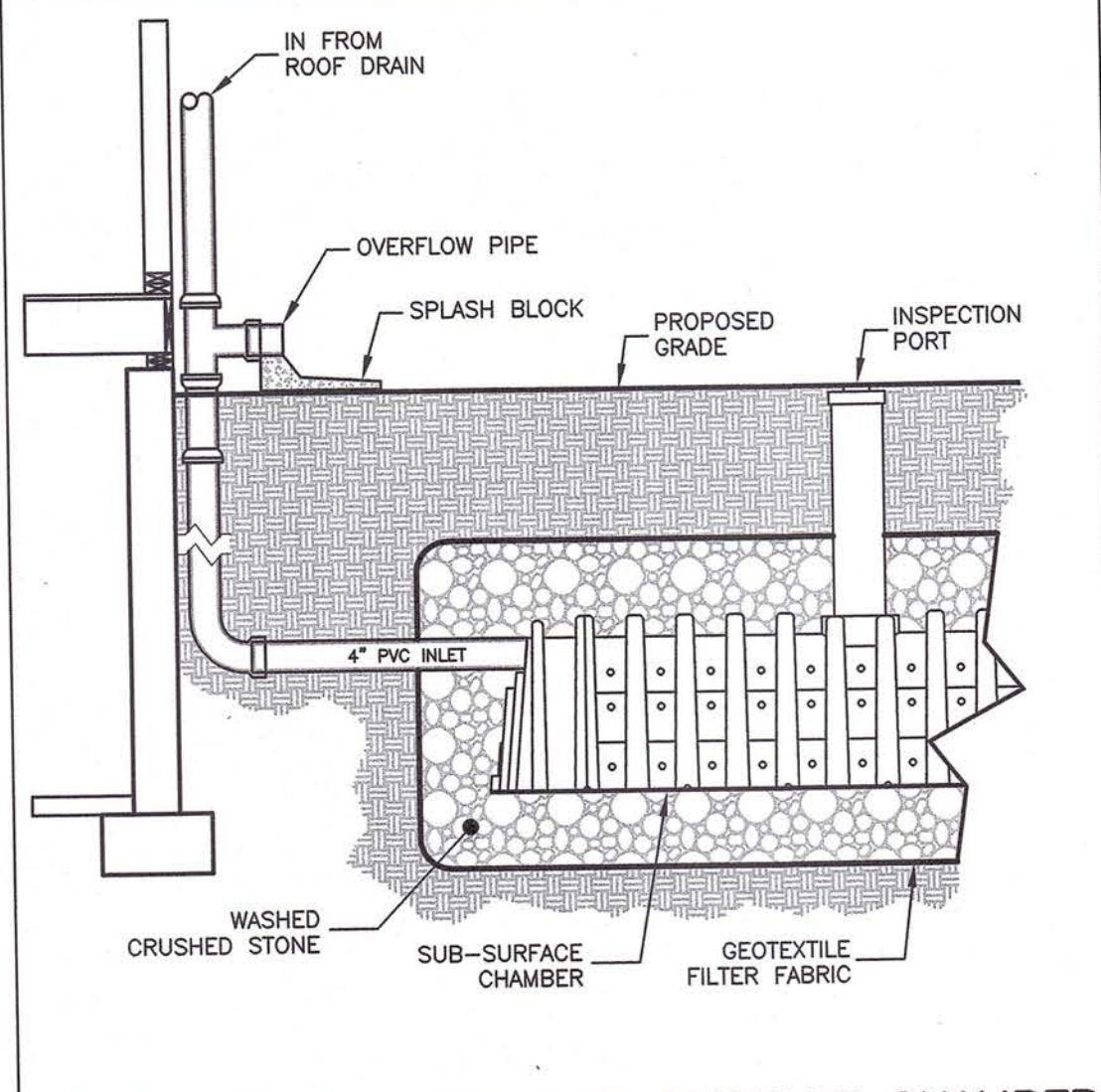


PROPOSED 18\"/>



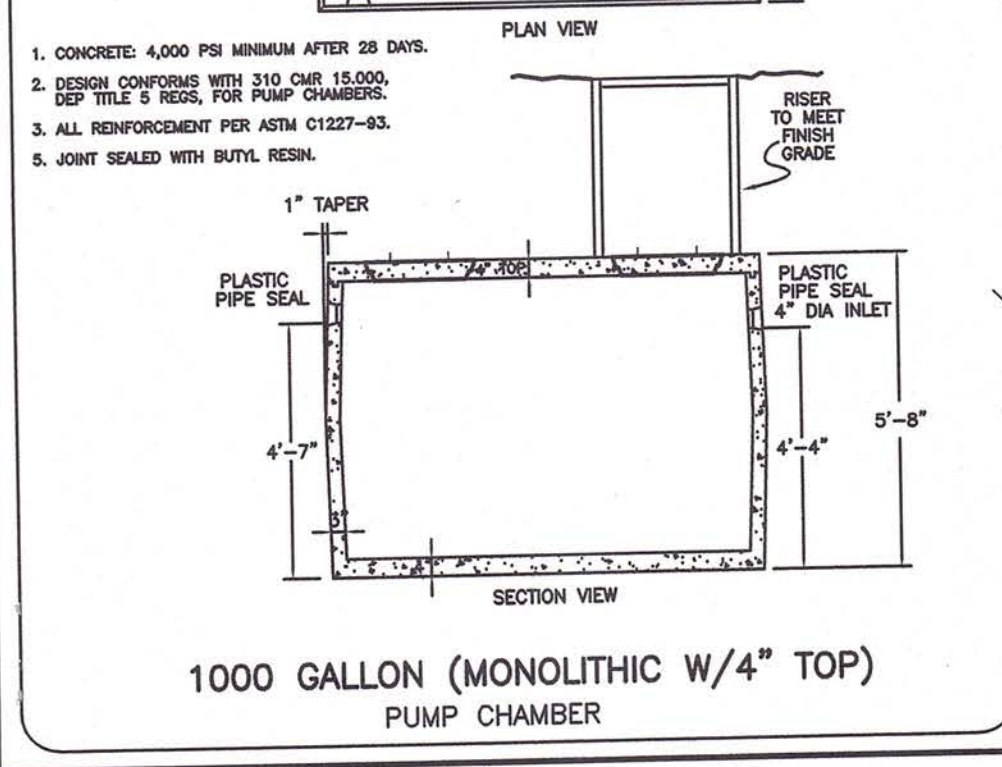
SILT FENCE
NOT TO SCALE

NOTES:
1. WOVEN WIRE FENCE (6\"/>

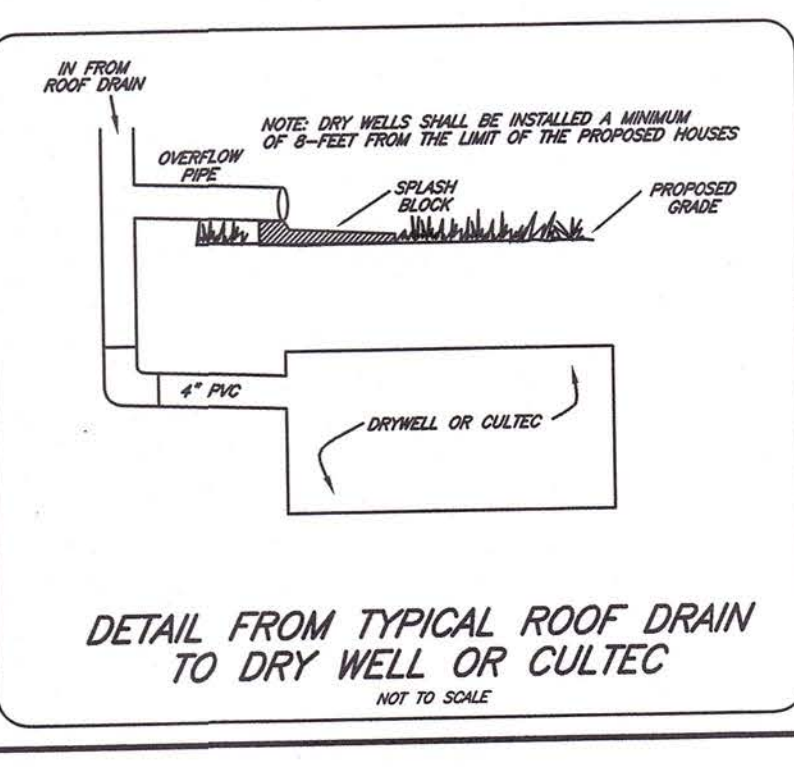


ROOF DRAIN TO SUB-SURFACE CHAMBER
NOT TO SCALE

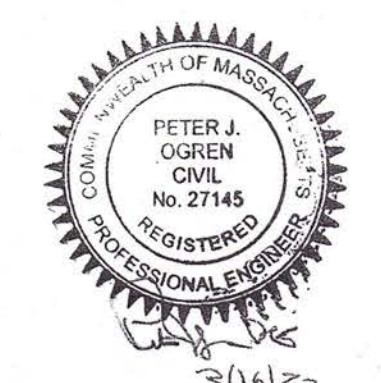
NOTE:
1. CHAMBERS SHALL BE INSTALLED A MINIMUM OF 10' FROM HOUSE.



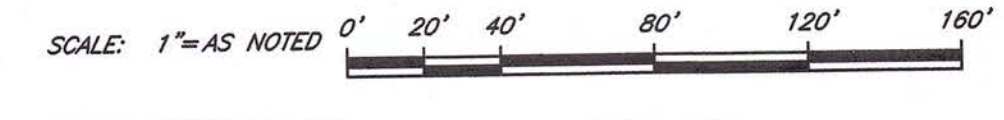
1000 GALLON (MONOLITHIC W/4\"/>



DETAIL FROM TYPICAL ROOF DRAIN
TO DRY WELL OR CULTEC
NOT TO SCALE



DETAIL SHEET
IN
MELROSE,
MASS.



SCALE: 1"=AS NOTED

DECEMBER 3, 2001
REV. JAN. 3, 2002
REV. JAN. 25, 2010
REV. APRIL 28, 2021
803 SALEM STREET
WAKEFIELD, MASS. 01880
TEL. (781) 246-2800