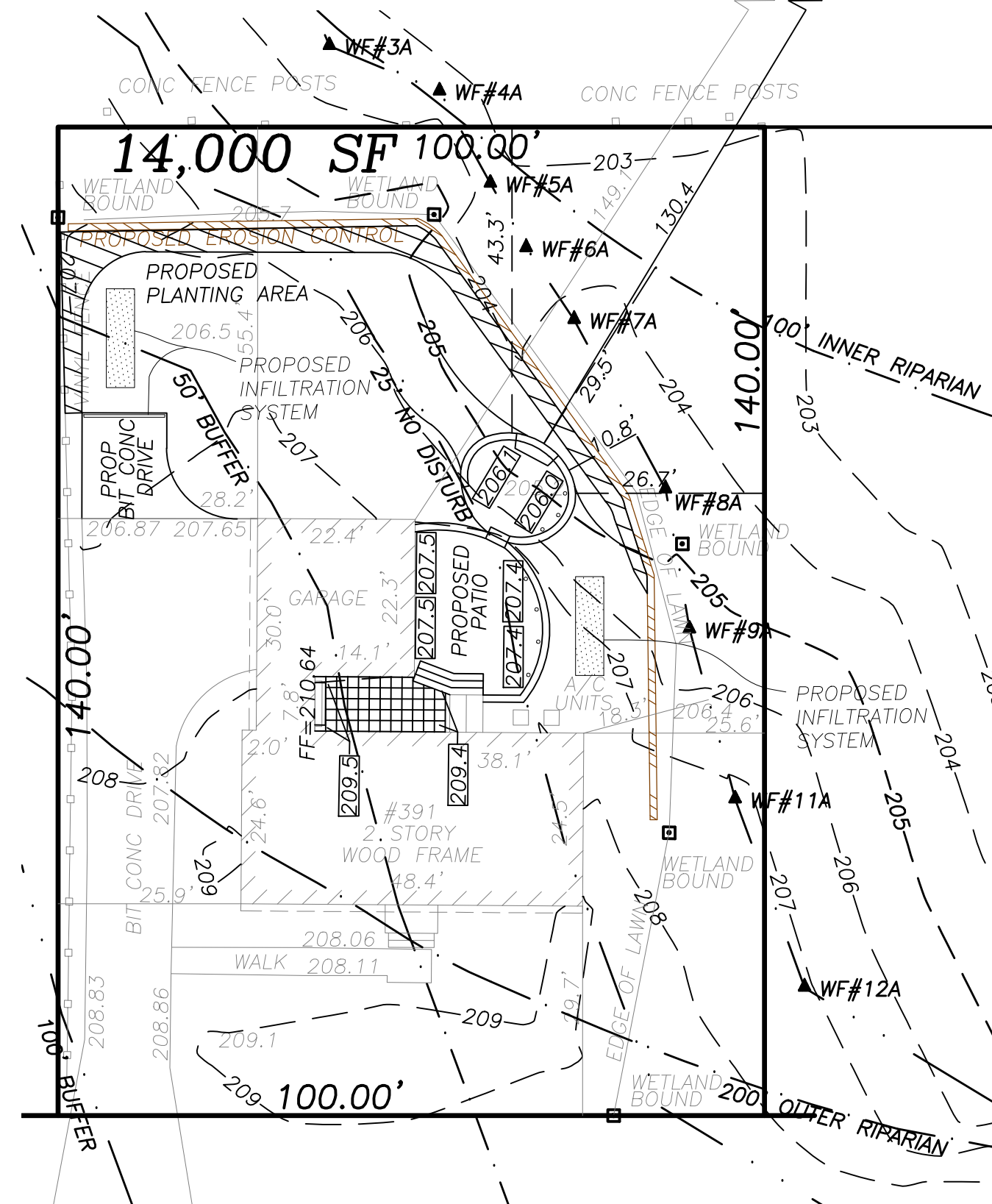
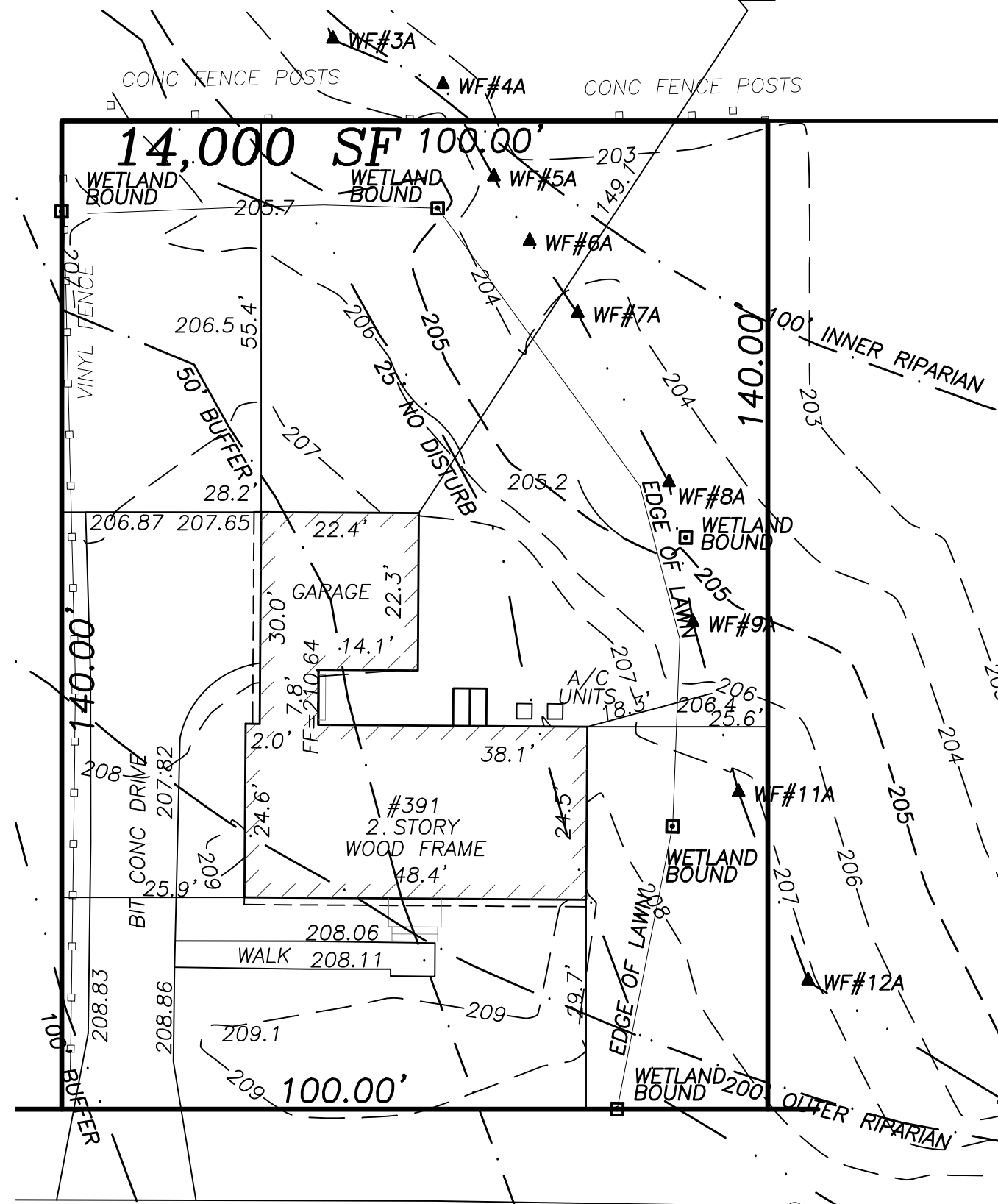


WETLAND FLAGS SHOWN HEREON WERE PLACED BY LEAH BASBANES, AND LOCATED IN THE FIELD BY FIELD RESOURCES INC.



DEDHAM AVENUE
EXISTING

DEDHAM AVENUE
PROPOSED

25 PLANTINGS IN THE PLANTING AREA.
TREES - ACER RUBRUM (RED MAPLE)
SHRUBS - FERRUGINEM (RHODADENDRON)
DIERVILLA IONICERA (NORTHER BUSH HONEY SUCKLE)
ILEX VERTICILLATA (WINTERBERRY HOLLY)
ARONIA (CHOKEBERRY)

ZONING INFORMATION: SINGLE RESIDENCE B (SRB)

MINIMUM LOT AREA10,000 SF.
MINIMUM LOT FRONTAGE.....80 FEET
MINIMUM FRONT SETBACK.....20 FEET(25 TO GARAGE)
MINIMUM SIDE YARD14 FEET*
MINIMUM REAR YARD10 FEET**
MAXIMUM FLOOR AREA RATIO.....38% UNDER 12,000 SF
36% OVER 11,999 SF
MAXIMUM BUILDING COVERAGE.....25%(xxx SF)
MAXIMUM BUILDING HEIGHT.....35 FEET
MAXIMUM BUILDING HEIGHT.....2 1/2 STORIES

*MAXIMUM OF 32 LINEAR FEET OF THE BUILDING MAY BE BUILT AT MINIMUM SETBACK THE REMAINDER MUST BE AT LEAST 2 ADDITIONAL FEET.

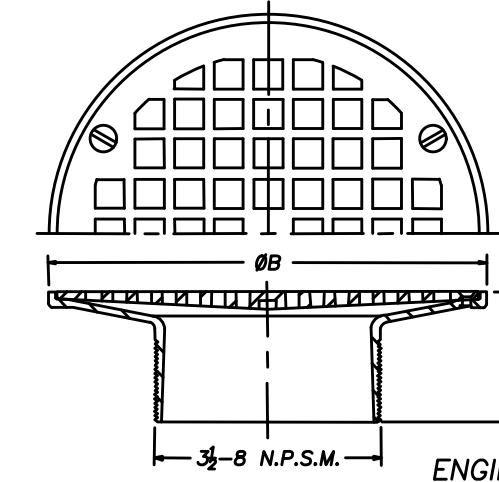
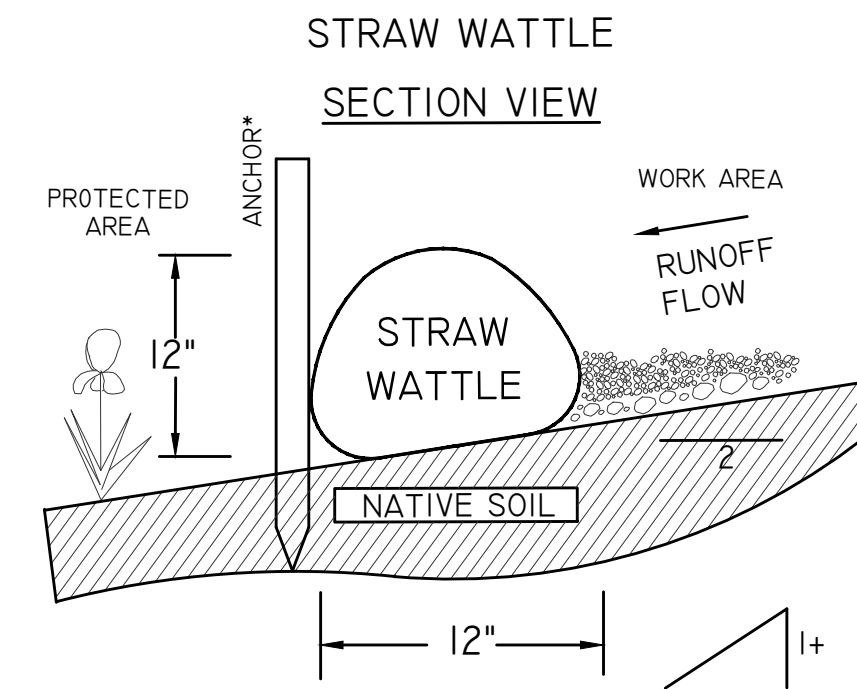
**SIDE YARD SET TO 12 FEET FOR NON CONFORMING AREA/FRONTAGE.

** REAR YARD SET TO 20 FEET IF "NEW CONSTRUCTION" IS TRIGGERED.

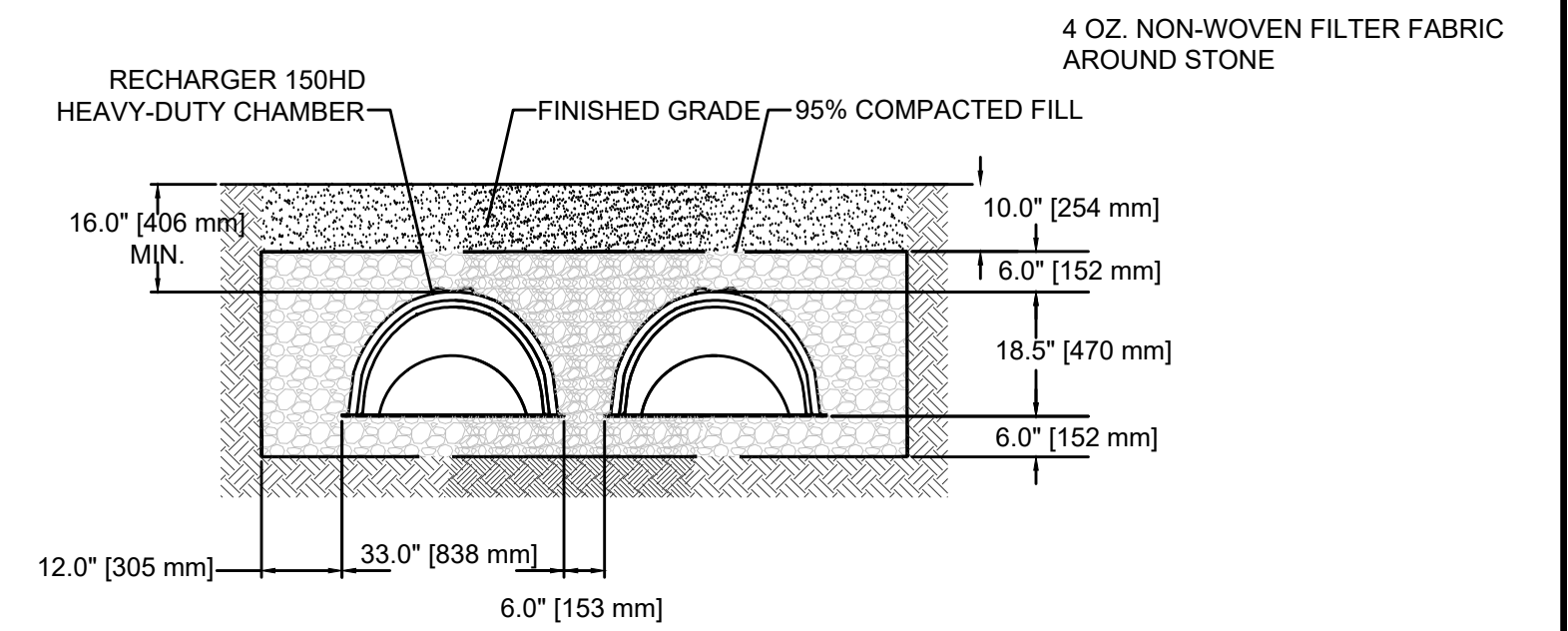
TOWN OF NEEDHAM
MAP 20 PARCEL 220

NORFOLK COUNTY
REGISTRY OF DEEDS
CERTIFICATE No.188604

OWNER/APPLICANT:
SIMON J. & JOANNE R. CHADWICK

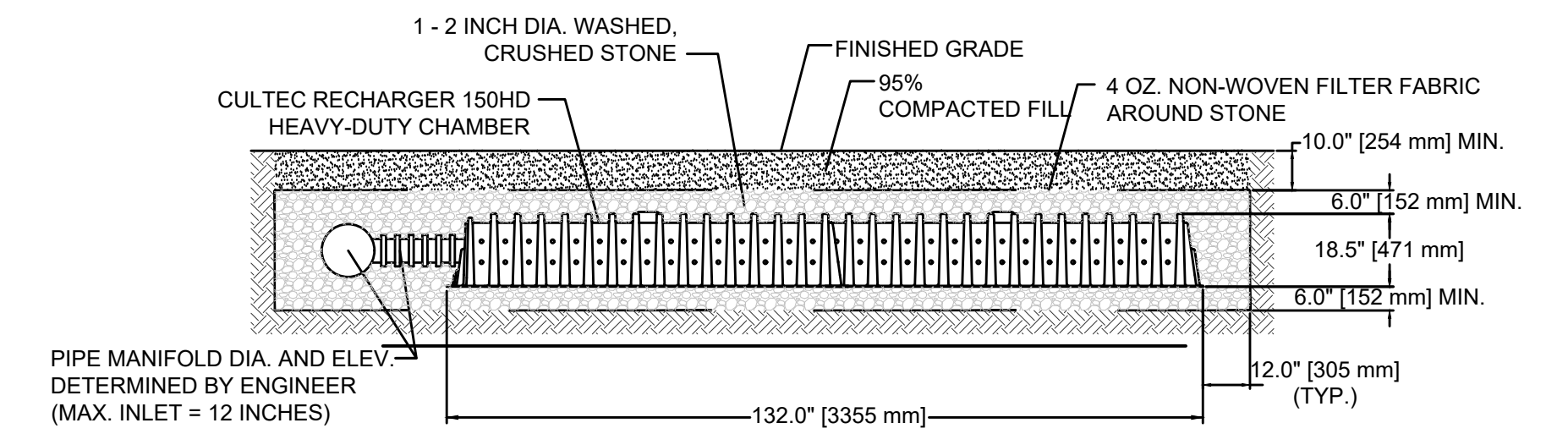


ENGINEERING SPECIFICATION: ZURN ZN400B "TYPE B" ROUND ADJUSTABLE LIGHT DUTY STRAINER TOP WITH SQUARE HEEL-PROOF OPENINGS AND SECURED GRATE. (SPECIFY ZB OR ZN FINISH)



GENERAL NOTES
RECHARGER 150HD BY CULTEC, INC. OF BROOKFIELD, CT.
STORAGE PROVIDED = 4.89 CF/FT PER DESIGN UNIT.
REFER TO CULTEC, INC.'S CURRENT RECOMMENDED INSTALLATION GUIDELINES.
USE RECHARGER 150HD HEAVY-DUTY FOR TRAFFIC AND/OR H2O APPLICATIONS.

ALL RECHARGER 150HD HEAVY-DUTY UNITS ARE MARKED WITH A COLOR STRIPE FORMED INTO THE PART ALONG THE LENGTH OF THE CHAMBER.
ALL RECHARGER 150 CHAMBERS MUST BE INSTALLED IN ACCORDANCE WITH ALL APPLICABLE LOCAL, STATE AND FEDERAL REGULATIONS.



INFILTRATION SYSTEM DETAILS
NOT TO SCALE

I CERTIFY THAT THE PARCEL SHOWN HEREON LIES WITHIN A ZONE "X", AREAS OUTSIDE THE 0.2% ANNUAL CHANCE FLOODPLAIN, AS SHOWN ON THE FLOOD INSURANCE RATE MAP FOR THE TOWN OF NEEDHAM, MASSACHUSETTS, COMMUNITY PANEL NO. 255215 0038 E, MAP NUMBER 25021C 0038 E EFFECTIVE DATE: JULY 17, 2012.

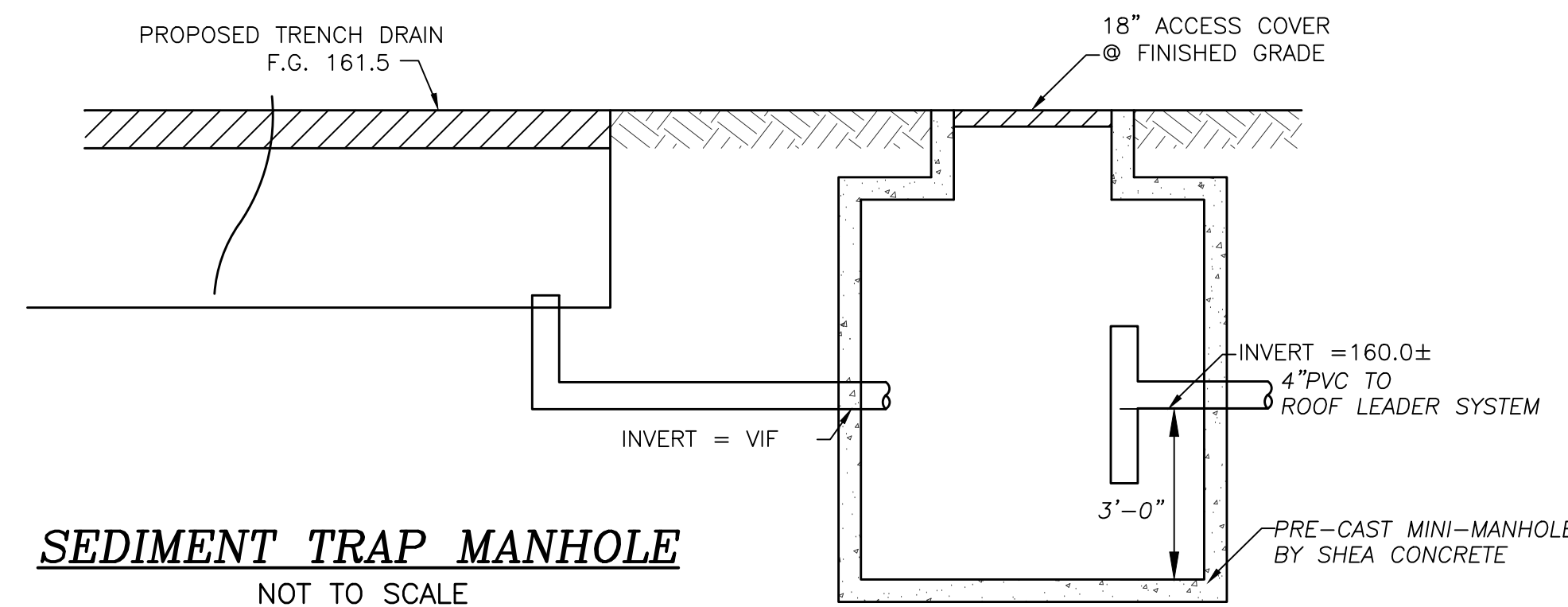
EXISTING IMPERVIOUS WITHIN OUTER RIPARIAN = 2416.0 S.F.
PROPOSED IMPERVIOUS WITHIN OUTER RIPARIAN = 3406.4 S.F.
INCREASED IMPERVIOUS WITHIN OUTER RIPARIAN = 990.4 S.F.

EXISTING IMPERVIOUS WITHIN 100' BUFFER = 3,208.4 S.F.
PROPOSED IMPERVIOUS WITHIN 100' BUFFER = 3,859.4 S.F.
INCREASED IMPERVIOUS WITHIN 100' BUFFER = 651.0 S.F.

EXISTING IMPERVIOUS WITHIN 25' BUFFER = 85.6 S.F.
PROPOSED IMPERVIOUS WITHIN 25' BUFFER = 370.4 S.F.
INCREASED IMPERVIOUS WITHIN 25' BUFFER = 284.8 S.F.

(952.5 S.F. X 1") / 12 = 82.5 Cu. Ft.

MITIGATED WITH 2 CULTEC CONTRACTOR 150 HDXL RECHARGER DRYWELL CHAMBERS (OR SUITABLE REPLACEMENT) CAPACITY OF 53.79 CU FT EACH.
RECHARGE WILL MITIGATE COMPLETELY FOR THE ADDITIONAL PROPOSED FOOTPRINT
SEE DRYWELL DETAIL FOR SPECIFICATIONS AND PLAN FOR LOCATIONS. LOCATIONS AS SHOWN MAY BE ADJUSTED AFTER SOIL TEST PITS ARE PERFORMED PRIOR TO CONSTRUCTION.



SEDIMENT TRAP MANHOLE
NOT TO SCALE



CONSERVATION COMMISSION
N.O.I. PLAN OF LAND
391 DEDHAM AVENUE
NEEDHAM, MASS.

Field Resources, Inc.
LAND SURVEYORS

JOB NO. 077-20

MARCH 17, 2021 SCALE 1"=20'
P.O. BOX 324 281 CHESTNUT ST.
AUBURN, MA NEEDHAM, MA
508 832 4332 781 444 5936
fieldresources@hotmail.com

