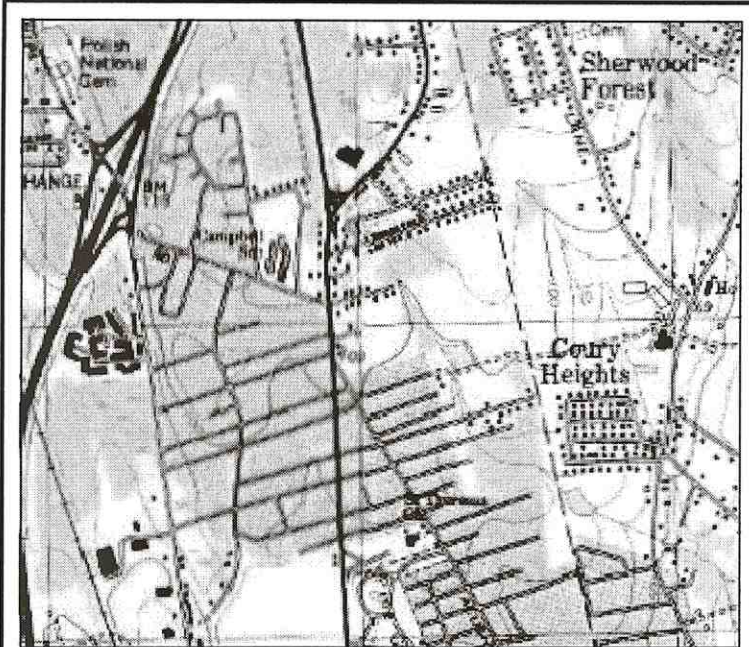




LOCUS MAP SCALE: 1"=2,000'±

SUBSURFACE ROOF RECHARGE UNIT SIZING CALCULATIONS:

INFLOW AREA = 770 SF, 100.00% IMPERVIOUS, INFLOW DEPTH = 6.76" FOR 100-YEAR STORM EVENT
INFLOW = 0.12 CFS @ 12.09 HRS, VOLUME= 434 CF
OUTFLOW = 0.03 CFS @ 12.49 HRS, VOLUME= 434 CF, ATTN= 71%, LAG= 24.4 MIN
DISCARDED = 0.01 CFS @ 11.50 HRS, VOLUME= 427 CF

ROUTING BY STOR-IND METHOD, TIME SPAN= 0.00-30.00 HRS, DT= 0.05 HRS
PEAK ELEV= 99.58' @ 12.50 HRS SURF AREA= 66 SF REQUIRED STORAGE= 132 CF

VOLUME INVERT AVAIL STORAGE STORAGE DESCRIPTION
#1 94.90' 69 CF 6.33'W X 10.50'L X 3.54'H PRISMATOID X 1
236 CF OVERALL - 63 CF EMBEDDED = 172 CF X 40.0% VOIDS
#2 95.40' 63 CF 47.8'W X 30.0'H X 7.00'L PARABOLIC ARCH X 1 INSIDE #1
#3 97.50' 1 CF 0.33'D X 10.0'H VERTICAL CONE/CYLINDER-IMPERVIOUS

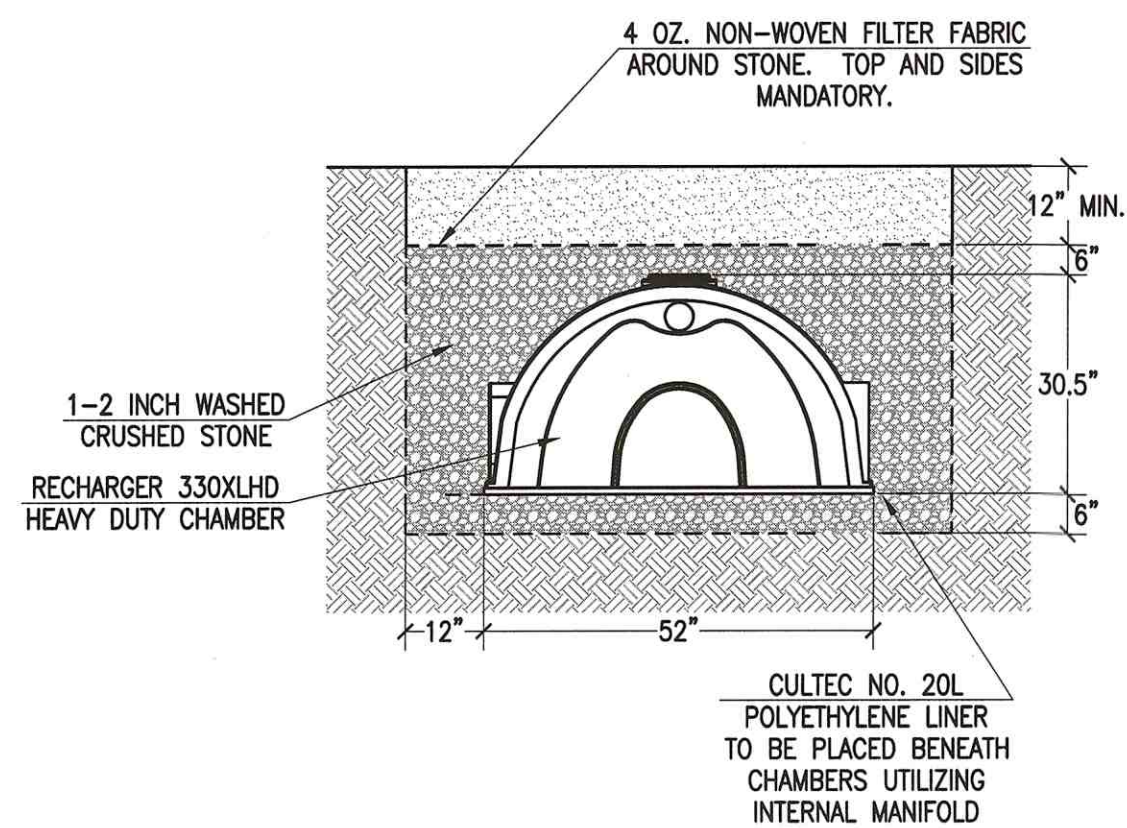
TOTAL AVAILABLE STORAGE = 133 CF >>> 132 CF

*PLEASE NOTE: THESE CALCULATIONS ARE PER UNIT. THERE ARE 2 UNITS ONSITE.

- ZONING DATA -

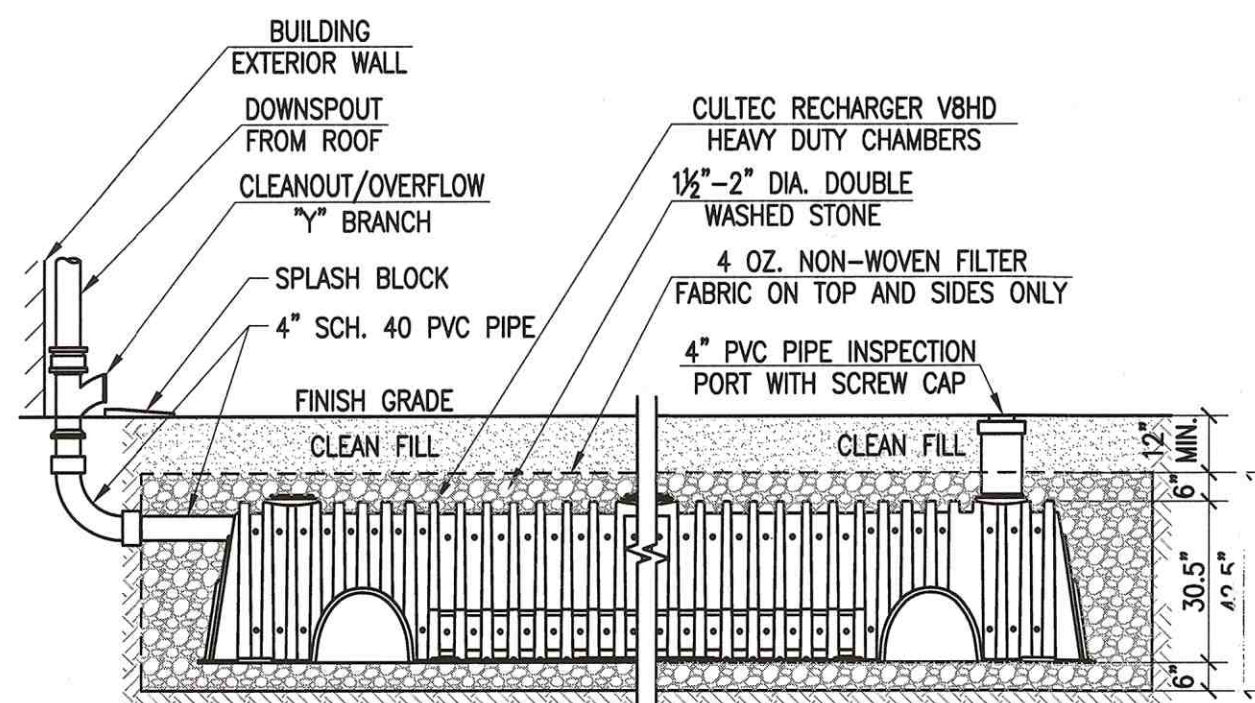
DISTRICT: RA - RESIDENTIAL A

DESCRIPTION	REQUIRED	PROVIDED
LOT AREA	8,000 S.F.	11,947± S.F.
LOT FRONTAGE	75 FT	191.1 FT
FRONT SETBACK	20 FT	21.0± FT
SIDE SETBACK	10/12 FT	15.6± FT
REAR SETBACK	30 FT	39.0± FT
BUILDING HEIGHT (MAXIMUM)	45 FT	30± FT
BUILDING COVERAGE (MAXIMUM)	30 %	12.8± %
LOT COVERAGE (MAXIMUM)	65 %	16.8± %



CULTEC RECHARGER 330XLHD STANDARD CROSS SECTION

NOT TO SCALE



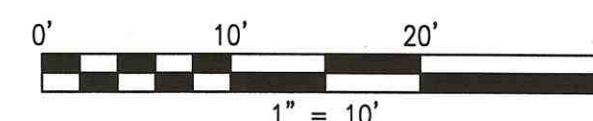
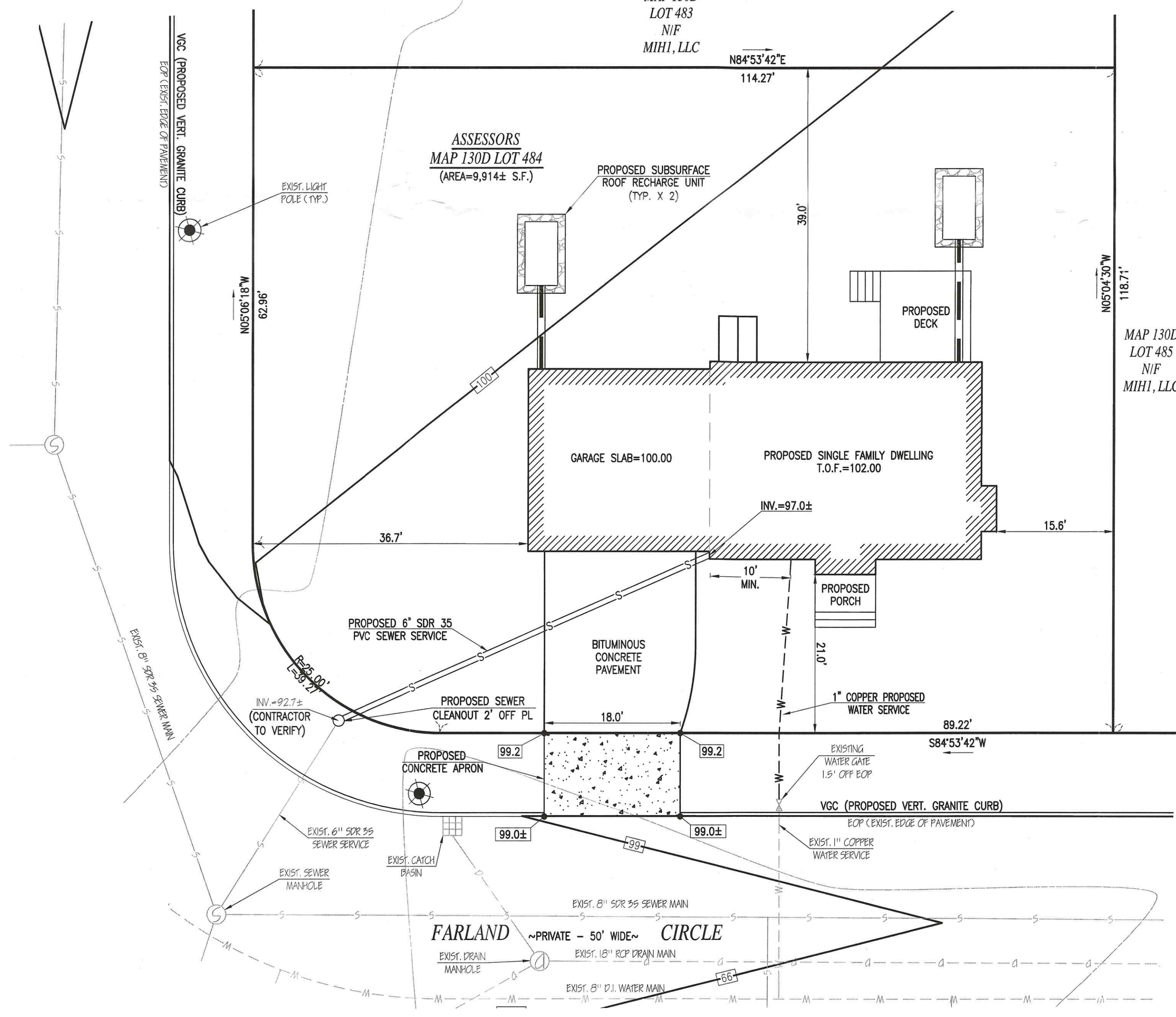
ROOF RECHARGE SYSTEM

NOT TO SCALE

RECORD OWNER:
ASSESSORS MAP 130D LOT 484
LOPEZ DEVELOPMENT
129 HUTTLESTON AVE
FAIRHAVEN, MA 02719
DEED BOOK 12989 PAGE 18

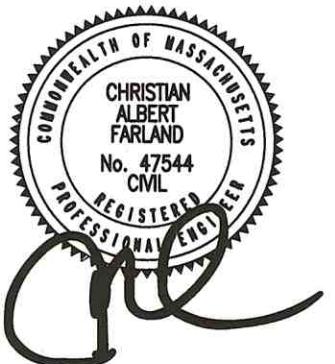
NOTES:

- TOPOGRAPHIC AND PROPERTY LINE SURVEY PERFORMED BY FARLAND CORP. IN NOVEMBER OF 2017.
- PORTION OF DRIVEWAY BETWEEN EDGE OF ROADWAY AND PROPERTY LINE SHALL BE CONCRETE
- ROOF RECHARGE SYSTEMS HAVE BEEN OVER DESIGNED TO WITHSTAND THE 100-YEAR STORM EVENT AND THE TIE-IN OF A SUMP PUMP SYSTEM, IF NECESSARY.
- IF SUMP PUMP IS INSTALLED, A CONCRETE LIP MUST BE INSTALLED AROUND THE SUMP PUMP



REVISIONS

NO.	DESCRIPTION



www.FarlandCorp.com

401 COUNTY STREET
NEW BEDFORD, MA 02740
P.508.717.3479
OFFICES IN:
•TAUNTON
•MARLBOROUGH
•WARWICK, RI

DRAWN BY: JT
DESIGNED BY: CAF/JT
CHECKED BY: CAF

SITE PLAN

— FARLAND CIRCLE —
ASSESSORS MAP 130D LOT 484
NEW BEDFORD, MASSACHUSETTS

PREPARED FOR:
LOPEZ DEVELOPMENT
129 HUTTLESTON AVE
FAIRHAVEN, MA 02719

AUGUST 11, 2020

SCALE: 1"=10'

JOB NO. 19-744.25

LATEST REVISION:

SHEET 1 OF 1