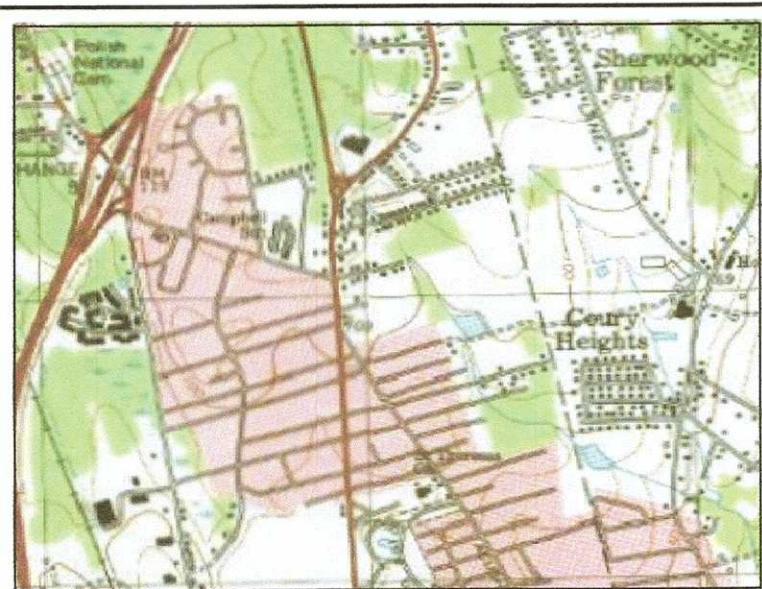




LOCUS MAP SCALE: 1"=2,000'±

SUBSURFACE ROOF RECHARGE UNIT SIZING CALCULATIONS:

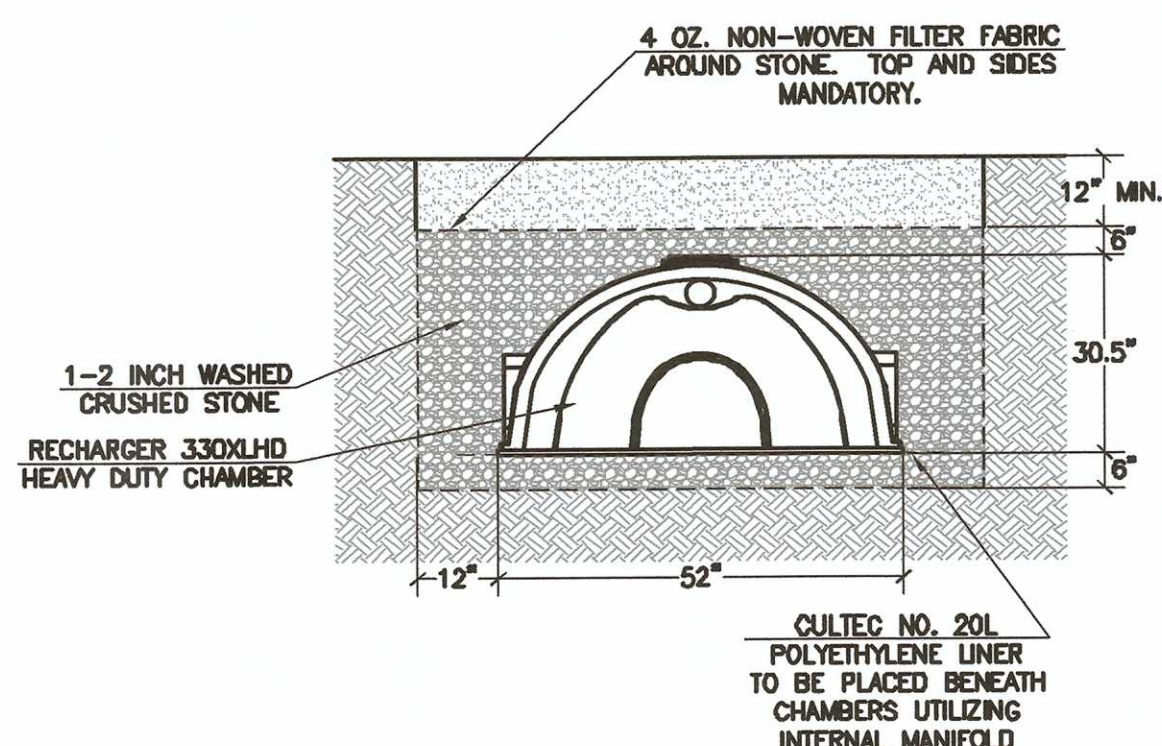
INFLOW AREA = 756 SF, 100.00% IMPERVIOUS, INFLOW DEPTH = 6.76" FOR 100-YEAR STORM EVENT
INFLOW = 0.12 CFS @ 12.08 HRS, VOLUME= 426 CF
OUTFLOW = 0.03 CFS @ 12.55 HRS, VOLUME= 426 CF, ATTN= 74%, LAG= 27.8 MIN
DISCARDED = 0.01 CFS @ 11.55 HRS, VOLUME= 423 CF

ROUTING BY STOR-IND METHOD, TIME SPAN= 0.00-30.00 HRS, DT= 0.05 HRS
PEAK ELEV= 99.57' @ 12.53 HRS SURF AREA= 66 SF REQUIRED STORAGE= 132 CF

VOLUME	INVERT	AVAIL STORAGE	STORAGE DESCRIPTION
#1	92.95'	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	93.45'	63 CF	47.8'W X 30.0'H X 7.00'L PARABOLIC ARCH X 1 INSIDE #1
#3	96.50'	1 CF	0.33'D X 10.0'H VERTICAL CONE/CYLINDER-IMPERVIOUS

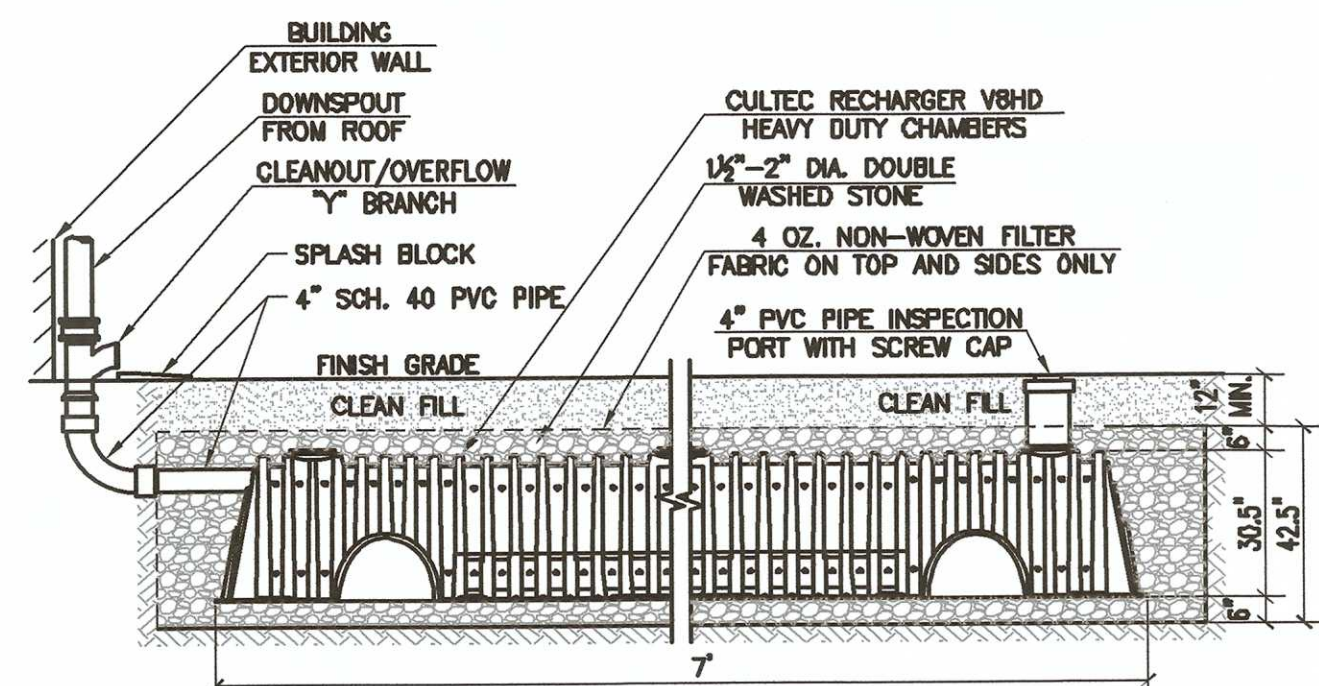
TOTAL AVAILABLE STORAGE = 133 CF >>> 132 CF

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



CULTEC RECHARGER 330XLHD STANDARD CROSS SECTION

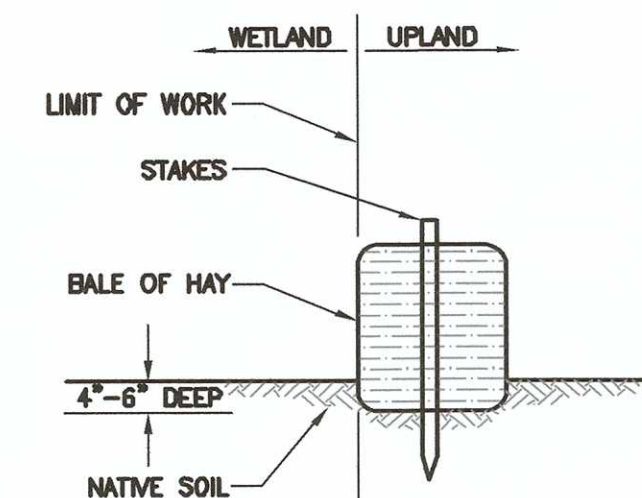
NOT TO SCALE



ROOF RECHARGE SYSTEM

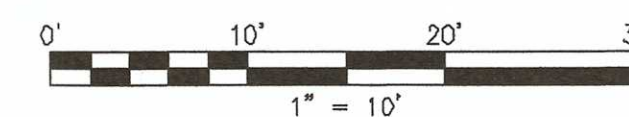
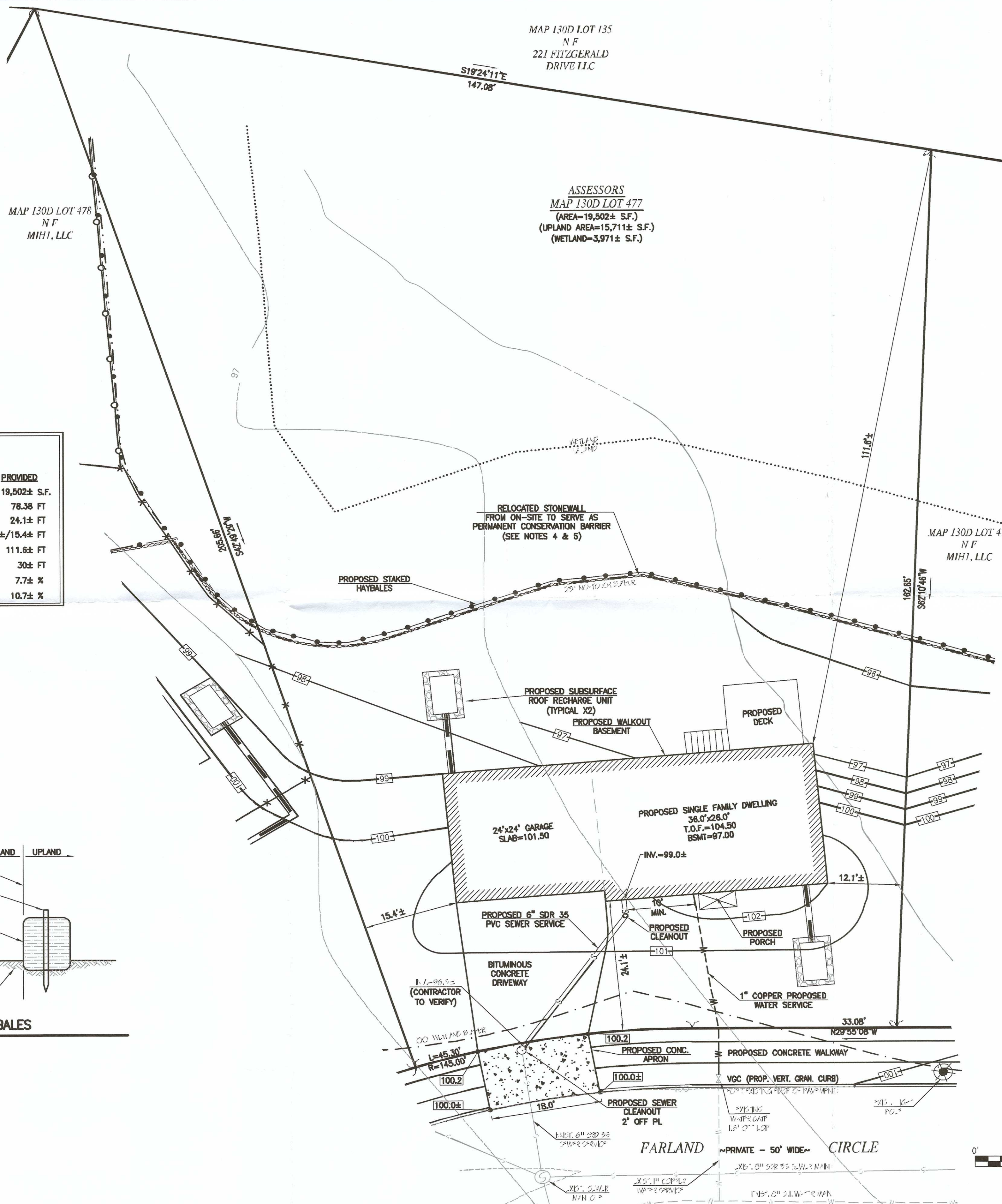
NOT TO SCALE

- ZONING DATA -		
DISTRICT: RA - RESIDENTIAL A		
DESCRIPTION	REQUIRED	PROVIDED
LOT AREA	8,000 S.F.	19,502± S.F.
LOT FRONTAGE	75 FT	78.38 FT
FRONT SETBACK	20 FT	24.1± FT
SIDE SETBACK	10/12 FT	12.1±/15.4± FT
REAR SETBACK	30 FT	111.6± FT
BUILDING HEIGHT (MAXIMUM)	45 FT	30± FT
BUILDING COVERAGE (MAXIMUM)	30 %	7.7± %
LOT COVERAGE (MAXIMUM)	65 %	10.7± %



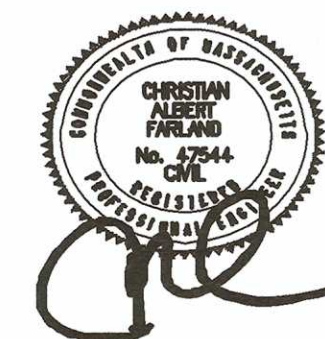
STAKED HAY BALES

NOT TO SCALE



REVISIONS

1	8/26/19	PER CONSERVATION COMMENTS
2	7/2/20	PER DPI COMMENTS



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: JT
CHECKED BY: CAF

SITE PLAN
— FARLAND CIRCLE —
ASSESSORS MAP 130D LOT 477
NEW BEDFORD, MASSACHUSETTS

PREPARED FOR:
DPM DEVELOPMENT
70 LAMBETH STREET
NEW BEDFORD, MA 02745

FEBRUARY 5, 2019

SCALE: 1"=10'

JOB NO. 18-1063.4

LATEST REVISION:
JULY 2, 2020

SHEET 1 OF 1