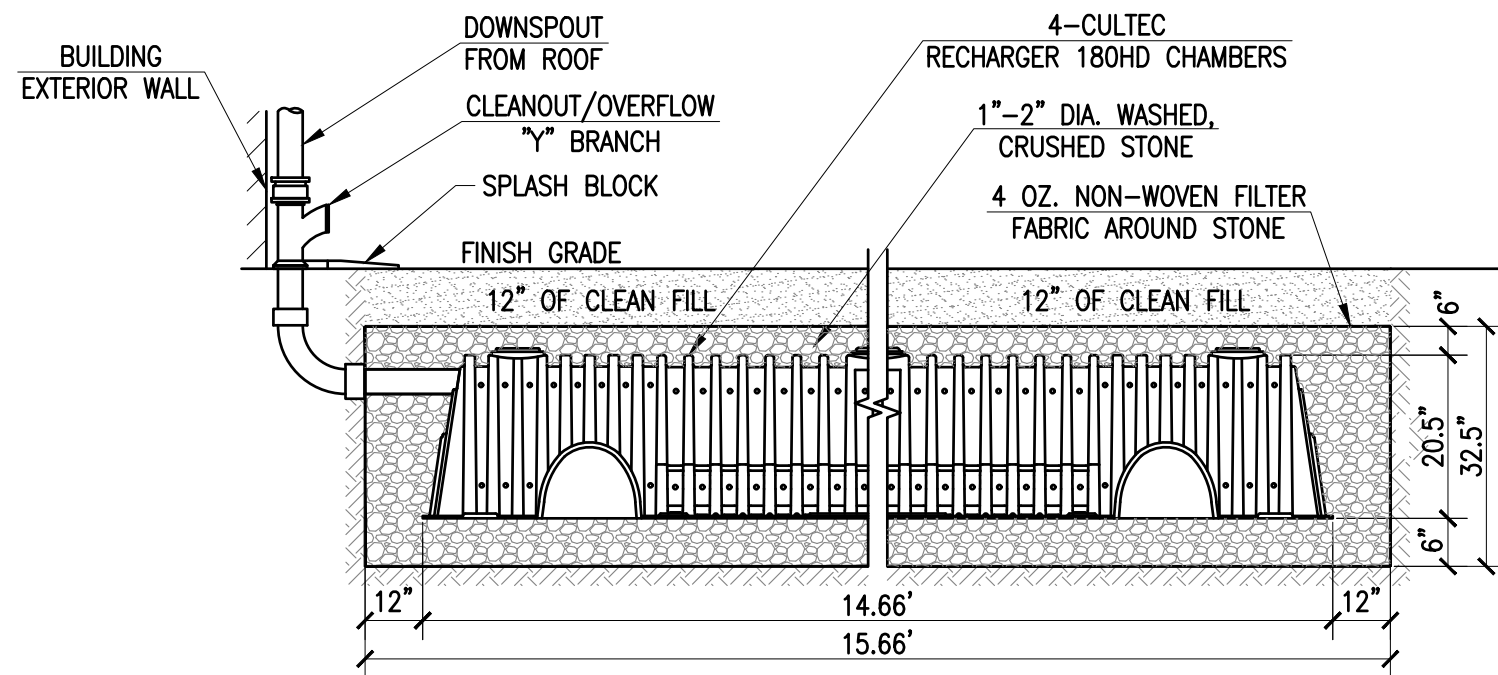


LOCUS MAP SCALE: 1"=2,000'±



ROOF RECHARGE SYSTEM

NOT TO SCALE

SILT FENCE

NOT TO SCALE

SUBSURFACE ROOF RECHARGE UNIT SIZING CALCULATIONS:

INFLOW AREA	=	2,464 SF, 100.00% IMPERVIOUS,	INFLOW DEPTH = 4.56" FOR 10-YEAR STORM EVENT
INFLOW	=	0.27 CFS @ 12.08 HRS,	VOLUME= 959 CF
OUTFLOW	=	0.02 CFS @ 10.93 HRS,	VOLUME= 959 CF, ATTN= 94%, LAG= 0.0 MIN
DISCARDED	=	0.02 CFS @ 10.93 HRS,	VOLUME= 959 CF

ROUTING BY DYN-STOR-IND METHOD, TIME SPAN= 0.00-30.00 HRS, DT= 0.01 HRS/3
 PEAK ELEV= 98.56' @ 13.74 HRS SURF.AREA= 282 SF REQUIRED STORAGE= 385 CF

VOLUME	INVERT	AVAIL.STORAGE	STORAGE DESCRIPTION
#1	96.39'	211 CF	18.00'W X 15.66'L X 2.71'H PRISMATOID X 1 763 CF OVERALL - 235 CF EMBEDDED = 529 CF X 40.0% VOIDS
#2	96.89'	235 CF	36.0'W X 20.5'H X 7.33'L PARABOLIC ARCH WITH 1' OVERLAP

TOTAL AVAILABLE STORAGE = 446 CF >>> 385 CF

LEGEND

EXISTING	DESCRIPTION
---	PROPERTY LINE
---	CONTOUR LINE
---	SPOT GRADE
---	EDGE OF PAVEMENT
---	GAS LINE
---	OVERHEAD WIRES
---	WATER LINE
---	SEWER LINE
---	ELECTRIC LINE
---	UTILITY POLE
---	GUY WIRE
---	AC UNIT
---	ELECTRIC METER
---	SHRUB
---	PINE TREE

ZONING DATA

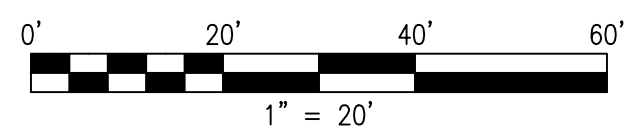
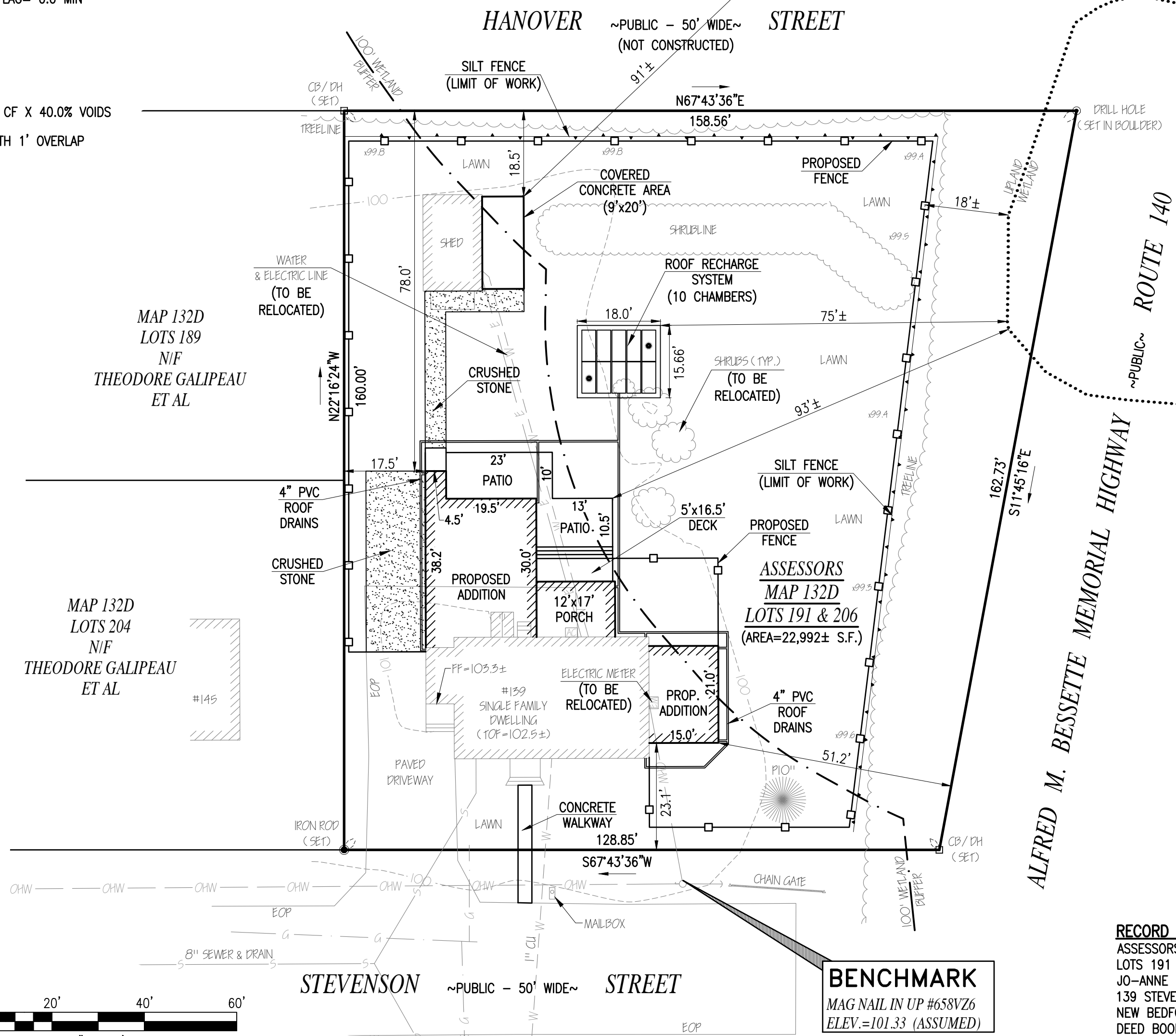
DISTRICT: RESIDENTIAL B (RB)

DESCRIPTION	REQUIRED
FRONT SETBACK	20 FT
SIDE SETBACK	10/12 FT
REAR SETBACK	30 FT

NOTES:

- TOPOGRAPHIC AND PROPERTY LINE SURVEY PERFORMED BY FARLAND CORP. IN AUGUST OF 2019
- VERTICAL ELEVATIONS REFER TO AN ASSUMED DATUM.
- WETLANDS BOUNDARIES ARE SHOWN PER MASSGIS.
- THE LOCATION AND/OR ELEVATION OF EXISTING UTILITIES AND STRUCTURES AS SHOWN ON THESE PLANS IS BASED ON RECORDS PROVIDED BY THE NEW BEDFORD DPI AND WHERE POSSIBLE, MEASUREMENTS TAKEN IN THE FIELD. THIS INFORMATION IS NOT TO BE RELIED ON AS BEING EXACT OR COMPLETE. THE LOCATION OF ALL UNDERGROUND UTILITIES AND STRUCTURES SHALL BE VERIFIED IN THE FIELD BY THE CONTRACTOR PRIOR TO THE START OF CONSTRUCTION.
- PROPOSED INCREASE IN IMPERVIOUS LOT COVERAGE = 1,496± S.F.
- ALL EXISTING AND PROPOSED ROOF DRAINS TO BE CONNECTED TO RECHARGE SYSTEM. TOTAL AREA BEING RECHARGED = 2,464± S.F.

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BENCHMARK
 MAG NAIL IN UP #658VZ6
 ELEV.=101.33 (ASSUMED)

REVISIONS

1	10/27/21	ROOF RECHARGE SYS.
2	11/8/21	INVERT, Y OVERFLOW
3	3/9/22	ADDITION REVISION

DRAFT



www.FarlandCorp.com

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

DRAWN BY: CKG
 CALC'D BY: MOB
 CHECKED BY: CAF

SITE PLAN
 139 STEVENSON STREET
 ASSESSORS MAP 132D LOTS 191 & 206
 NEW BEDFORD, MASSACHUSETTS
 PREPARED FOR:
 JAMES M. BURNETT
 139 STEVENSON STREET
 NEW BEDFORD, MA 02745

OCTOBER 5, 2021
 SCALE: 1"=20'
 JOB NO. 19-445
 LATEST REVISION:
 MARCH 10, 2022

RECORD OWNER:
 ASSESSORS MAP 132D
 LOTS 191 AND 206
 JO-ANNE B. LETOURNEAU
 139 STEVENSON STREET
 NEW BEDFORD, MA 02745
 DEED BOOK 4530 PAGE 284