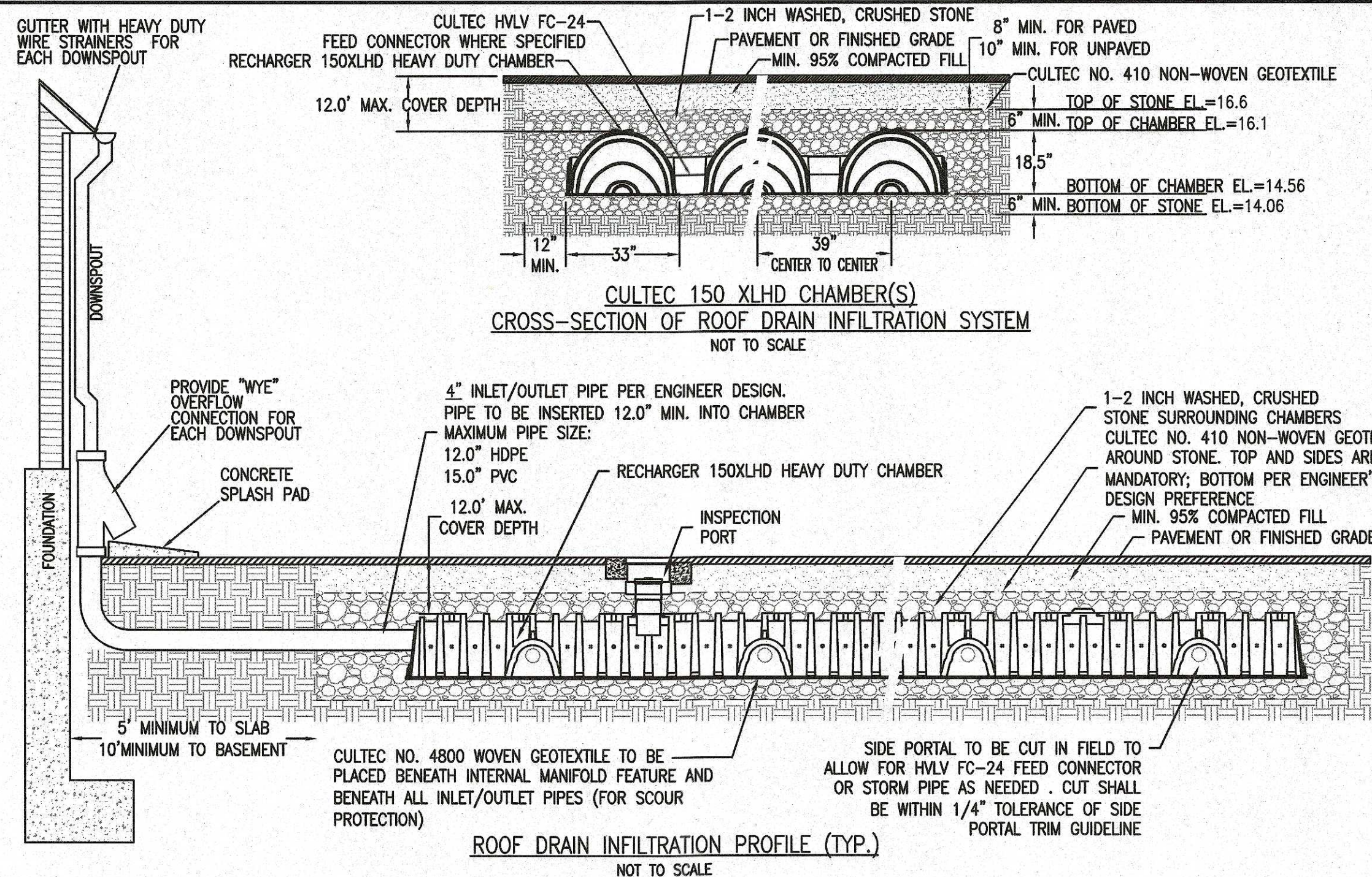


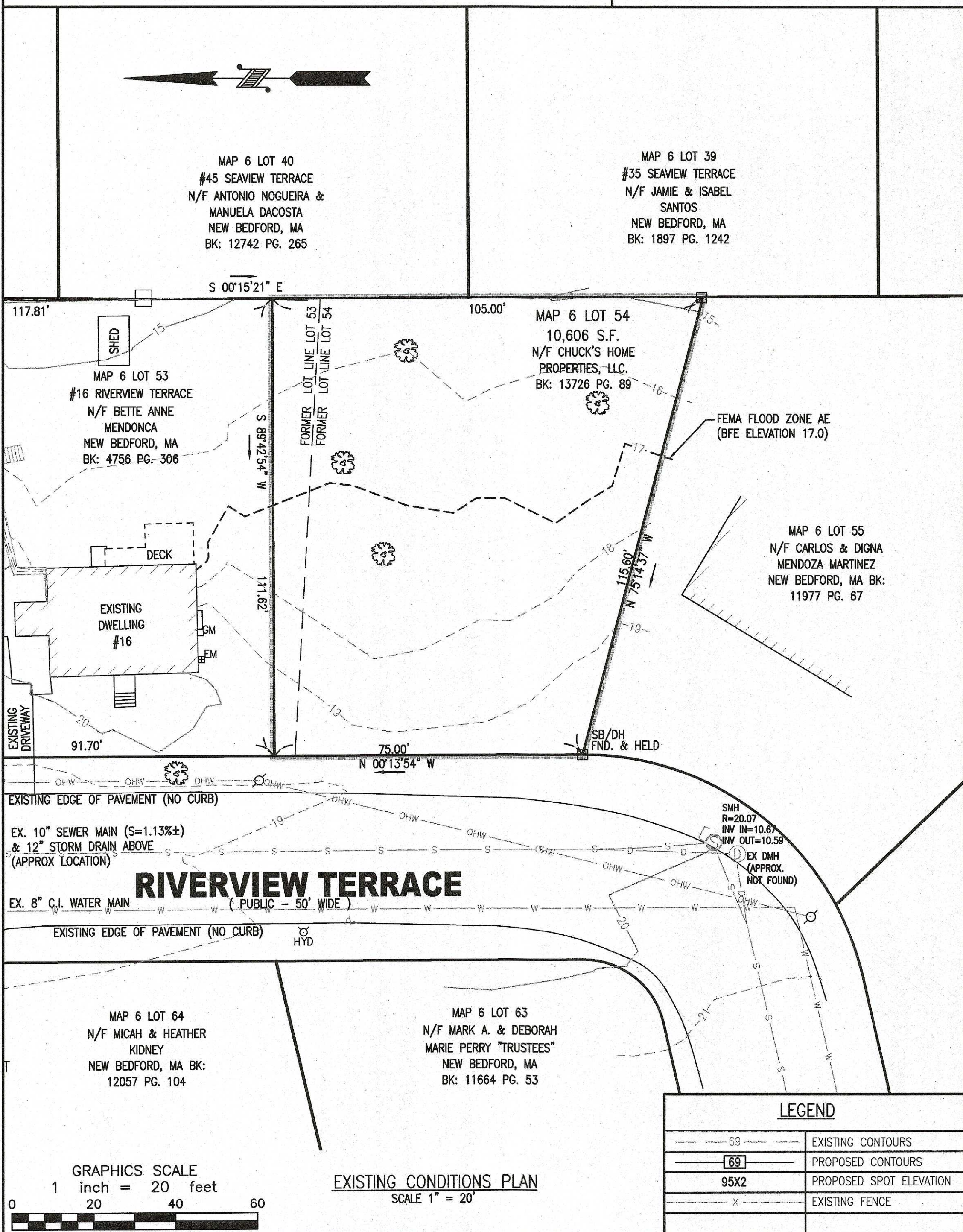
1. THE SUBJECT PROPERTY IS SHOWN AS ASSESSORS MAP 6 LOT 54 AND PART OF LOT 53 ON THE NEW BEDFORD ASSESSORS' RECORDS.
2. PROPERTY LINE AND EXISTING CONDITIONS INFORMATION WAS TAKEN FROM A FIELD SURVEY BY ZENITH LAND SURVEYORS, LLC.
3. REFER TO BOOK 13726 PAGE 89 ON RECORD AT THE BRISTOL COUNTY REGISTRY OF DEEDS FOR TITLE REFERENCE TO THE SUBJECT PROPERTY.
4. REFER TO PLAN BOOK 182 PAGE 39 (FOR BOTH PARCELS) ON RECORD AT THE BRISTOL COUNTY REGISTRY OF DEEDS.
5. VERTICAL DATUM ASSUMED. CONTRACTOR IS TO LOCATE AND VERIFY BOTH BENCHMARKS PRIOR TO CONSTRUCTION AND LET DESIGN ENGINEER KNOW ANY DISCREPANCIES PRIOR TO ANY WORK.
6. THE SUBJECT PROPERTY IS LOCATED IN ZONE AE (BFE EL 17.0), AS SHOWN ON THE FLOOD INSURANCE RATE MAP (F.I.R.M.) OF BRISTOL COUNTY, MASSACHUSETTS, MAP NUMBER 2500SC0482G, MAP REVISED JULY 16, 2014.
7. THE PROPERTY IS NOT LOCATED IN A PRIORITY HABITAT OR ESTIMATED HABITAT AS SHOWN ON THE MASSACHUSETTS NATURAL HERITAGE ATLAS 14TH EDITION EFFECTIVE DATE AUGUST 1, 2017.
8. LOCATION OF UTILITIES ARE ORDERED APPROXIMATE ONLY. THE CONTRACTOR SHALL VERIFY THE ACTUAL LOCATION AND INVERTS OF UTILITIES IN THE FIELD PRIOR TO THE START OF CONSTRUCTION.
9. THE CONTRACTOR IS RESPONSIBLE UNDER MASSACHUSETTS STATE LAW TO NOTIFY DIGSAFE (800.322.4844) TO LOCATE UTILITIES IN THE PROJECT AREA 72 HOURS PRIOR TO THE START OF EXCAVATION.
10. ALL DISTURBED AREAS SHALL BE LOAMED AND SEEDDED.
11. ROOF DRAIN INFILTRATION SYSTEM MUST BE INSPECTED BY THE CITY OF NEW BEDFORD D.P.I.
12. ALL WORK WITHIN THE CITY LAYOUT AND ALL UTILITY WORK TO BE INSPECTED BY THE CITY OF NEW BEDFORD D.P.I.
13. ALL WORK TO BE IN ACCORDANCE WITH CITY OF NEW BEDFORD REGULATIONS.
14. BOND CONTRACTOR SHALL USE CAUTION WHEN EXCAVATING FOR THE SEWER CONNECTION. THE SEWER/STORM DRAIN SYSTEM IS AN "OVER/UNDER" (12" STORM OVER 10" SEWER) SYSTEM. CONTRACTOR TO VERIFY THAT PROPER CONNECTION OF SEWER SERVICE IS MADE.
15. CONCRETE APRON TO BE INSTALLED PER DETAIL 6A OF NEW BEDFORD DPI CONSTRUCTION STANDARDS AND SPECIFICATIONS, REVISED MARCH 2021.

1. TOPSOIL AND SUBSOIL SHALL BE REMOVED BENEATH CHAMBER SYSTEMS AND REPLACED WITH TITLE 5 SAND UP TO THE ELEVATION AT THE BOTTOM OF THE CHAMBERS.
2. HEAVY DUTY WIRE STRAINERS ARE TO BE INSTALLED AT ALL DOWN SPOUTS. THIS IS TO PREVENT LEAVES AND OTHER DEBRIS FROM CLOGGING DOWN SPOUT.

1. THE INSPECTION OF THE GUTTER SYSTEM AND HEAVY DUTY WIRE STRAINERS ARE TO BE CONDUCTED A MINIMUM OF 4 TIMES PER YEAR. DURING THAT TIME LEAVES AND DEBRIS SHALL BE CLEANED FROM GUTTERS AND STRAINERS.
2. THE INFILTRATION CHAMBERS SHALL BE INSPECTED A MINIMUM OF 1 TIME PER YEAR. THE INSTALLATION OF AN INSPECTION PORT TO GRADE WILL ALLOW EASY ACCESS FOR INSPECTION. AS PART OF THE INSPECTION ALL DEBRIS AND LEAVES ARE TO BE REMOVED FROM THE CHAMBERS.



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3. FULL WYE CONNECTION FITTINGS MAY BE USED.
 4. PIPE SHALL BE CUT TO CONFORM TO THE OPENING IN THE SADDLE
 5. CONNECTIONS DIRECTLY INTO THE EXISTING PIPE WITHOUT SADDLE OR FULL WYE FITTING ARE NOT ALLOWED, UNLESS DIRECTED BY THE INSPECTING ENGINEER.
- CAST IRON CLEANOUT COVER W/ WORD "SEWER" AT GRADE
- PROPERTY LINE
- ACCESS VAULT TO BE SIZED TO ALLOW MAINTENANCE
- SLAB EL.=19.5
- COMPACT W/ GRAVEL BACKFILL
- 45'
- 2'
- WYE
- 6" SDR 35 PVC SEWER PIPE SLOPE AT 2% MINIMUM
- 4"X6" ADAPTER W FLEXIBLE JOINT
- SEWER SERVICE BACKWATER VALVE
- SEWER INVERT EL.=10.96
- BUILDING FOUNDATION
- 5' MAX.
- 4" SCH. 40
- SADDLE CONNECTION WITH WYE
- MINIMUM SLOPE = $\frac{1}{4}$ " PER FOOT (SEWER)
- EXISTING SEWER MAIN (TYP.) INV. EL.=9.92±
- STAINLESS STEEL STRAPPING
- TYPICAL RESIDENTIAL SEWER CONNECTION
- NOT TO SCALE



INFILTRATION CALCULATIONS:

PROPOSED ROOF AREA:
ROOF AREA: $46' \times 30' = 1,380 \text{ SF}$

DESIGN FOR A 1" STORM EVENT

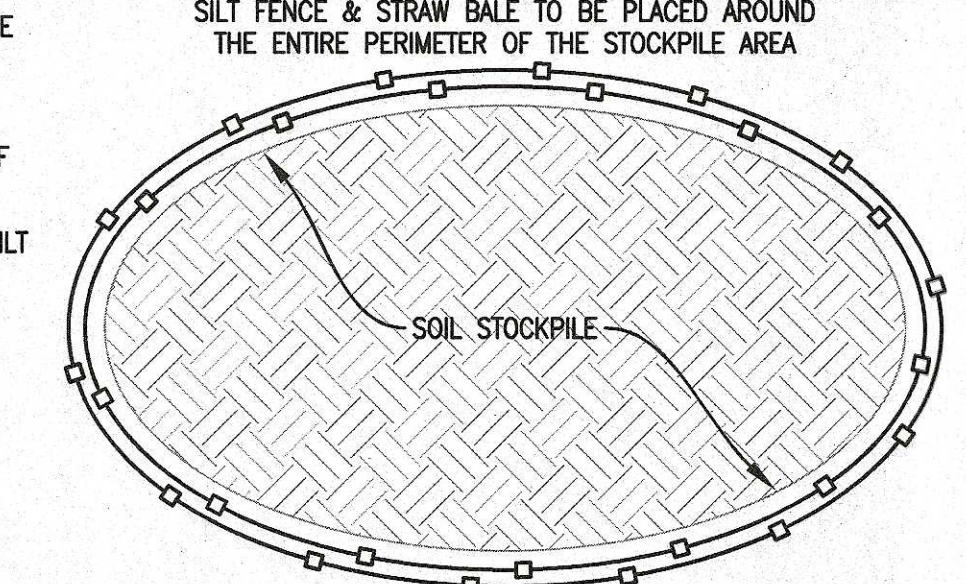
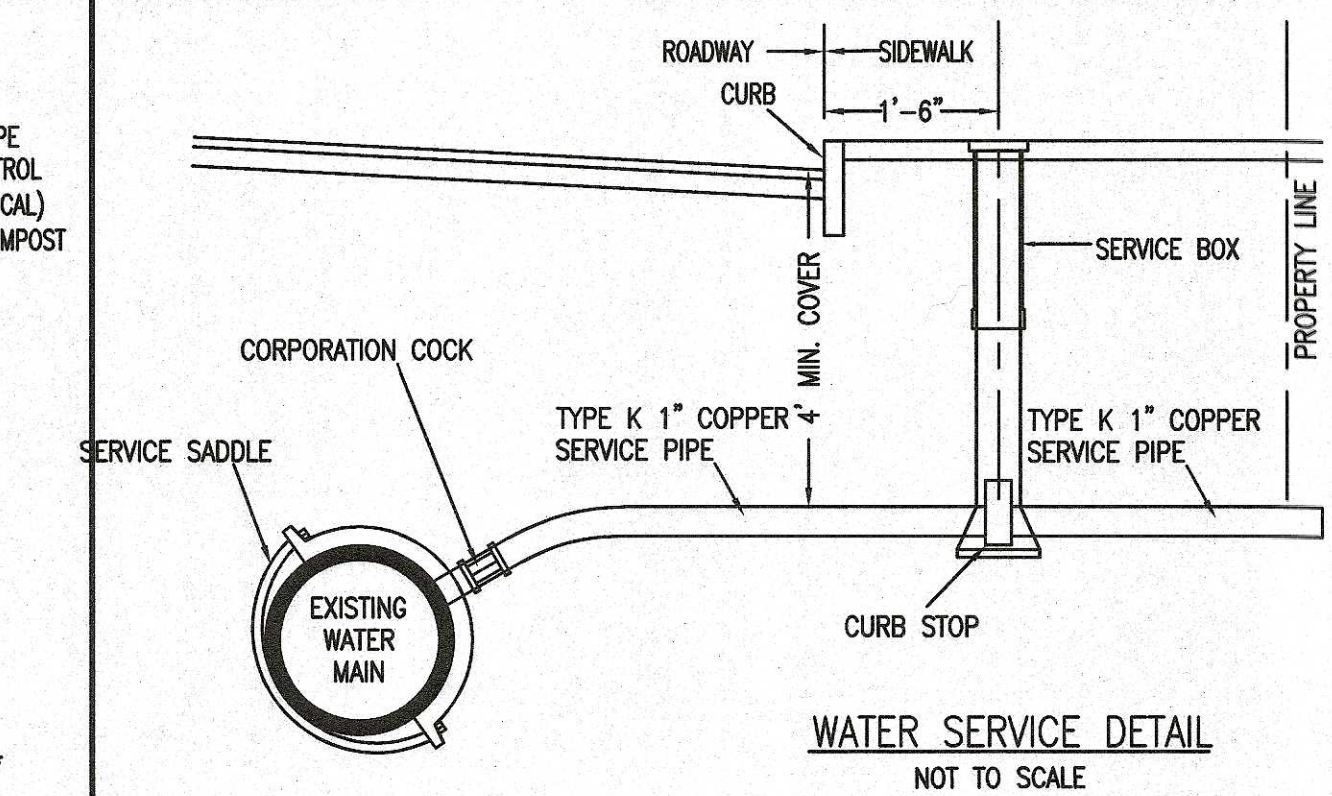
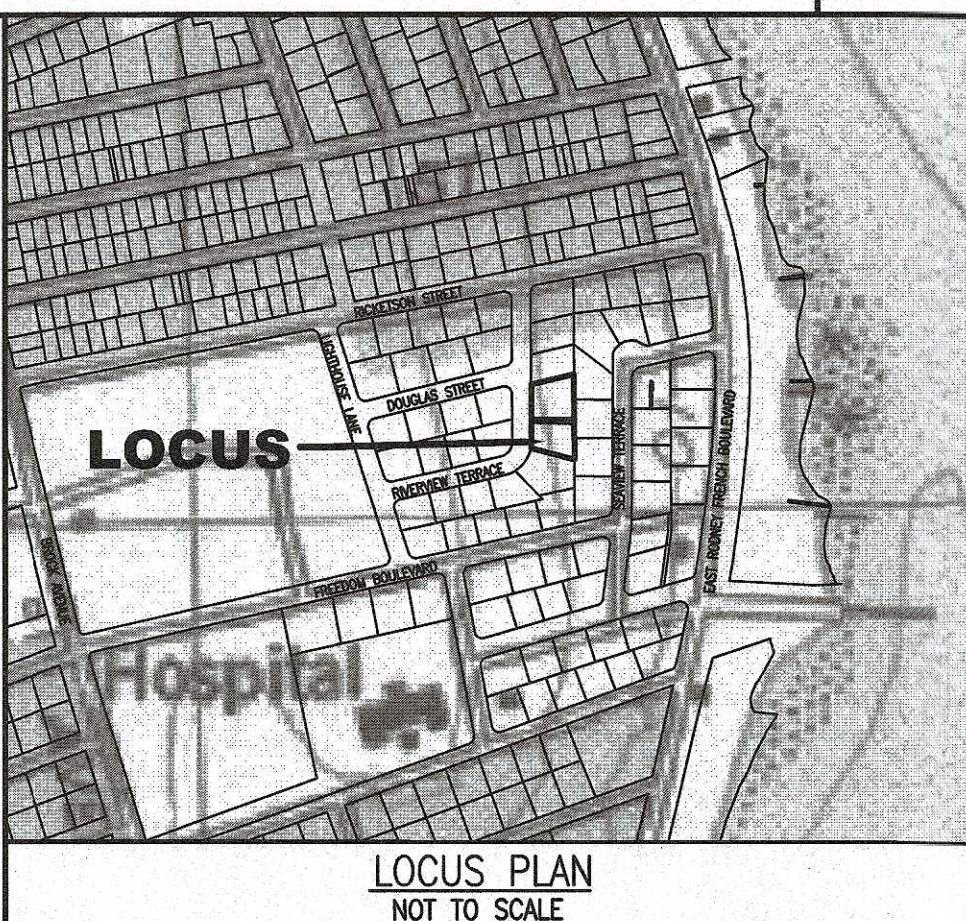
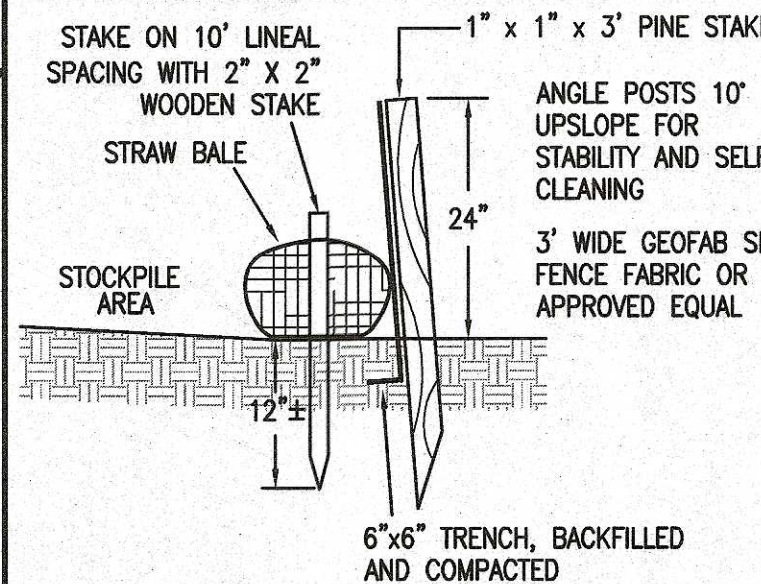
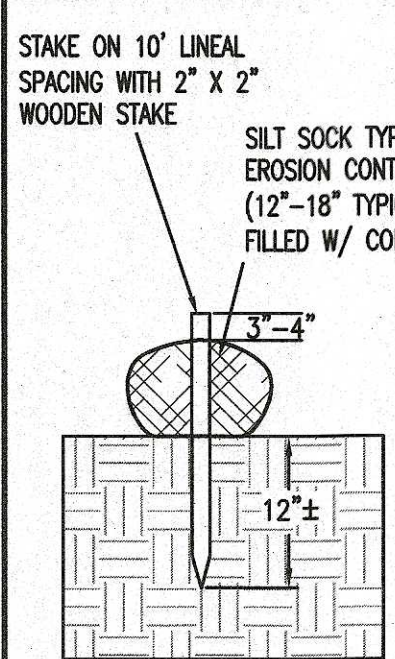
TRY 2 CULTIC 150XLHD UNITS EACH IN A STONE BED
 $1,380 \text{ SF} \times (1"/12") \text{ PER FOOT} = 115 \text{ CF (VOLUME REQUIRED)}$

TRY 2 CULTIC 150XLHD UNITS EACH IN A STONE BED
TOTAL VOLUME FROM INFILTRATION: $2 \text{ UNITS} \times 27.16 \text{ CF} = 54.32 \text{ CF}$

STONE BED / UNIT = $4.75' \times 13' \times 30.5" = 157 \text{ CF}$
TOTAL VOLUME OF STONE IN BED = STONE BED - UNITS VOLUME
VOLUME = $157 \text{ CF} - 27.16 \text{ CF} = 129.84 \text{ CF}$

USING A 40% VOID RATIO IN CRUSHED STONE
 $129.84 \text{ CF} \times 0.4 = 51.9 \text{ CF}$

TOTAL STORAGE VOLUME PROVIDED =
 $27.16 \text{ CF} + 51.9 \text{ CF} = 79.06 \text{ CF (VOLUME PROVIDED)}$
2 BEDS TOTAL $79.06 \text{ CF} \times 2 = 158.12 \text{ CF}$



MAP 6 LOT 40
#45 SEAVIEW TERRACE
N/F ANTONIO NOGUEIRA &
MANUELA DACOSTA
NEW BEDFORD, MA
BK: 12742 PG. 265

MAP 6 LOT 39
#35 SEAVIEW TERRACE
N/F JAMIE & ISABEL
SANTOS
NEW BEDFORD, MA
BK: 1897 PG. 1242

MAP 6 LOT 54
10,606 S.F.
N/F CHUCK'S HOME
PROPERTIES, LLC.
BK: 13726 PG. 89

MAP 6 LOT 55
N/F CARLOS & DIGNA
MENDOZA MARTINEZ
NEW BEDFORD, MA BK:
11977 PG. 67

MAP 6 LOT 53
#16 RIVERVIEW TERRACE
N/F BETTE ANNE
MENDONCA
NEW BEDFORD, MA
BK: 4756 PG. 306

PROPOSED 18' WIDE BITUMINOUS CONCRETE DRIVEWAY

EXISTING DWELLING #16

USE FRONT YARD AS TEMPORARY SOIL STOCKPILE AREA (SEE DETAIL)

PROPOSED CEMENT CONCRETE DRIVEWAY APRON WITHIN ROADWAY LAYOUT (SEE NOTE 15)

PROPOSED GARAGE SLAB EL=19.50

PROPOSED 3-BR DWELLING SLAB EL=19.50

INV EL=10.96

PROPOSED 4" SCH 40 PIPE (TYP)

PROPOSED EROSION CONTROL LINE

BUILDING SETBACK LINE (TYP)

FORMER LOT LINE LOT 53 LOT LINE LOT 54

FEMA FLOOD ZONE AE (BFE ELEVATION 17.0)

PROPOSED ROOF INFILTRATION SYSTEM (TYP OF 2, SEE DETAIL)

PROPOSED BACKWATER SEWER VALVE

PROPOSED 6" SDR 35 PVC SEWER SERVICE

PROPOSED SEWER CLEANOUT (2' FROM FL)

PROPOSED 1" COPPER WATER SERVICE

PROPOSED CURB STOP (1.5' OFF E.O.P.)

BENCHMARK: MAG NAIL EL = 19.11

BENCHMARK: X-MARK IN HYDRANT SPINDLE EL = 21.55

MAP 6 LOT 53
N/F MARK A. & DEBORAH
MARIE PERRY "TRUSTEES"
NEW BEDFORD, MA
BK: 11664 PG. 53

LEGEND

---	69	EXISTING CONTOURS
---	69	PROPOSED CONTOURS
---	95X2	PROPOSED SPOT ELEVATION
---	X	EXISTING FENCE

ZONING INFORMATION

DISTRICT RESIDENTIAL A	
	REQUIRED
LOT AREA	8,000 S.F.
LOT FRONTAGE	75 FEET
MIN. FRONTYARD SETBACK	20 FEET
MIN. SIDERYARD SETBACK	12 & 10 FEET
MIN. REARYARD SETBACK	30 FEET
MAX. BUILDING COVERAGE (%)	30%
MIN. GREEN SPACE COVERAGE (%)	35%

GRAPHICS SCALE
1 inch = 20 feet
0 20 40 60

PROPOSED SITE PLAN
SCALE 1" = 20'

DRAWN BY:	DATE:	REV.	DATE	DESCRIPTION	BY	APP.
RLG	4/30/2021	1.	6/1/21	REV PER NB DPT COMMENTS	RLG	JLB
DESIGNED BY:	PROJECT NUMBER	2.	6/21/21	REV PER NB CON COM	JLB	RLG
RLG	0597-03-01					
CHECKED BY:	DRAWING SCALE					
JLB	1" = 20'					
APPROVED BY	SHEET ID					
JLB	BPP					

BUILDING PERMIT PLAN

ASSESSORS MAP 6 LOT 54

RIVERVIEW TERRACE

NEW BEDFORD, MASSACHUSETTS

JASON BRAZ

42 BUSH STREET

DARTMOUTH, MA 02748