

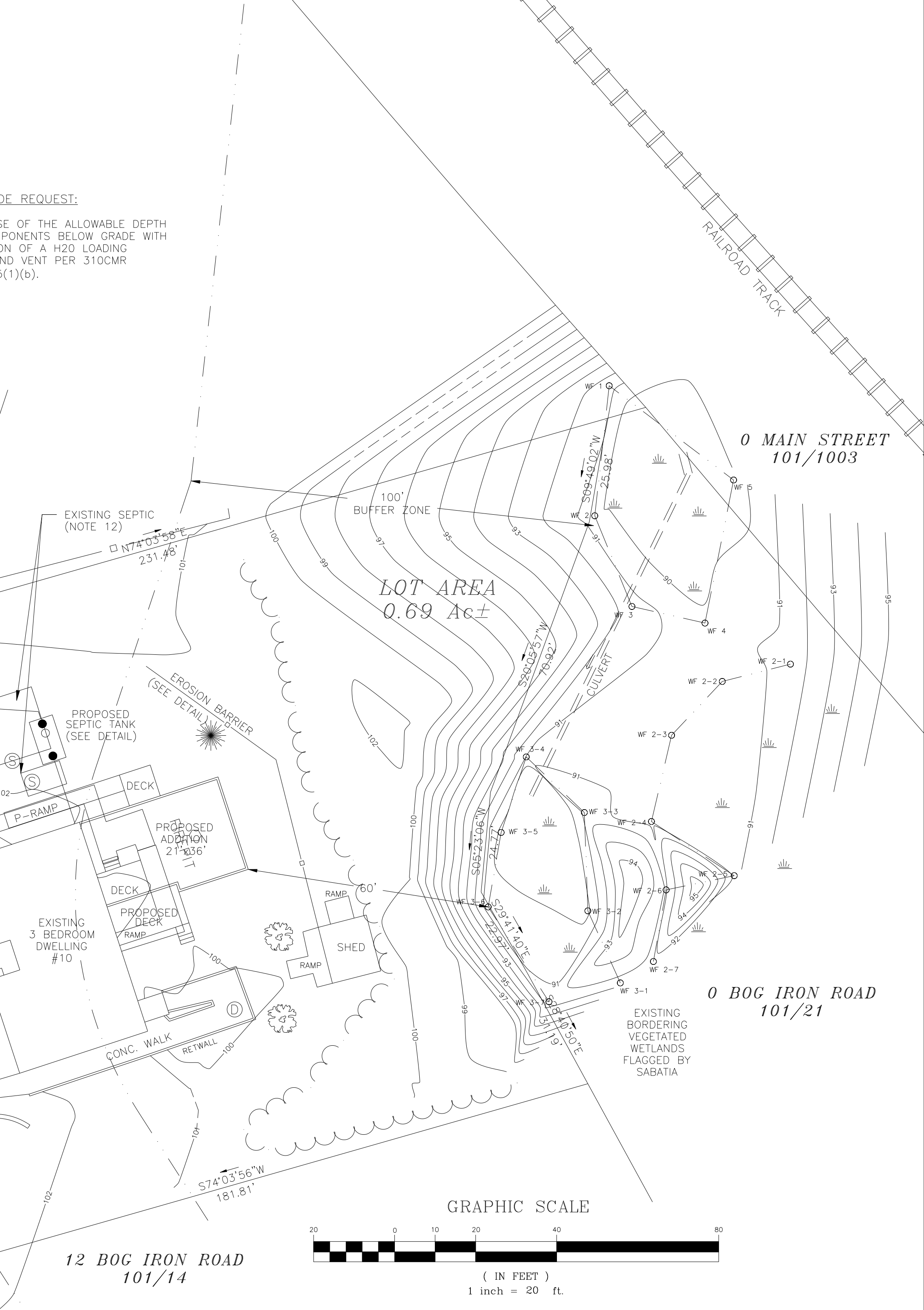
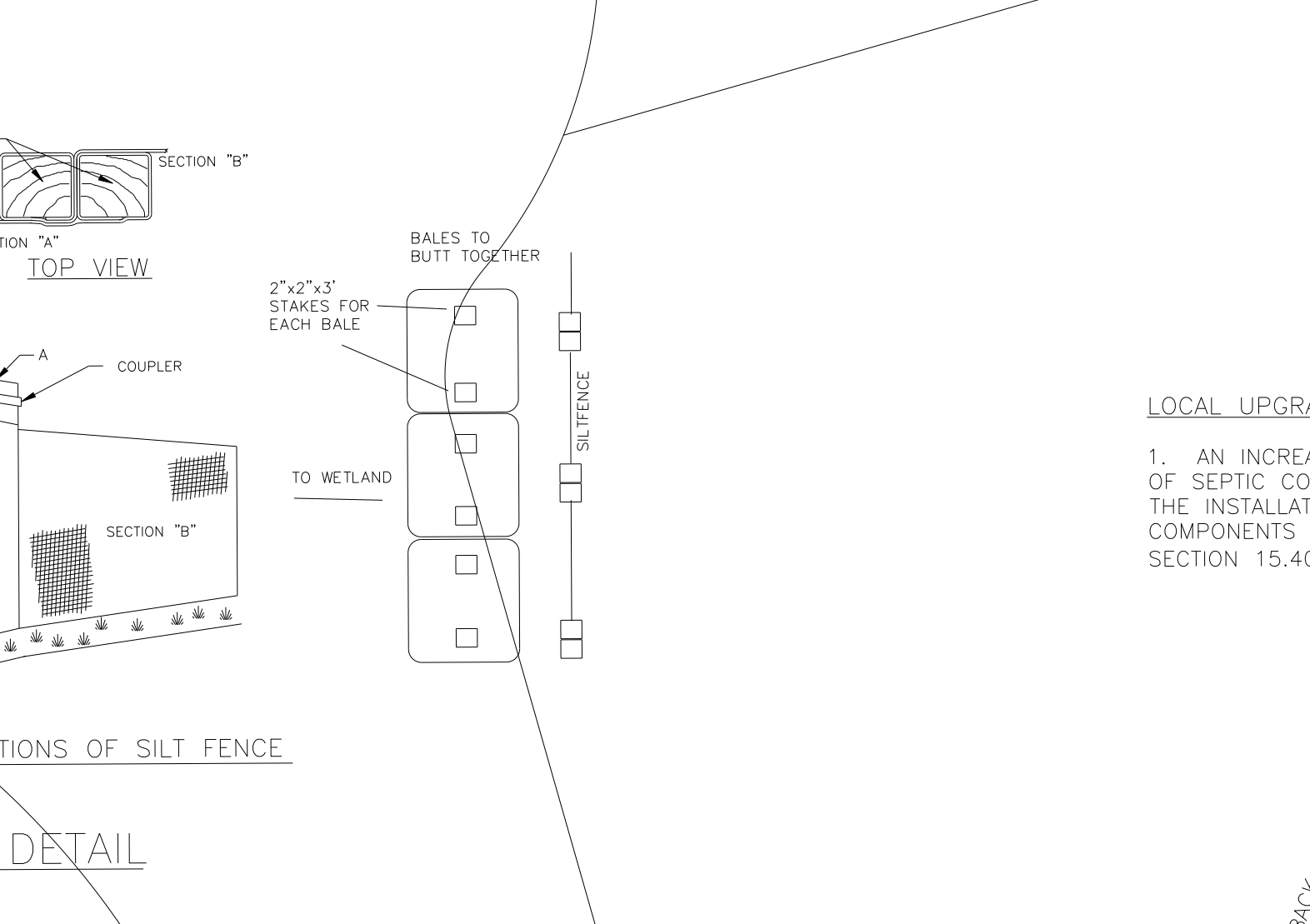
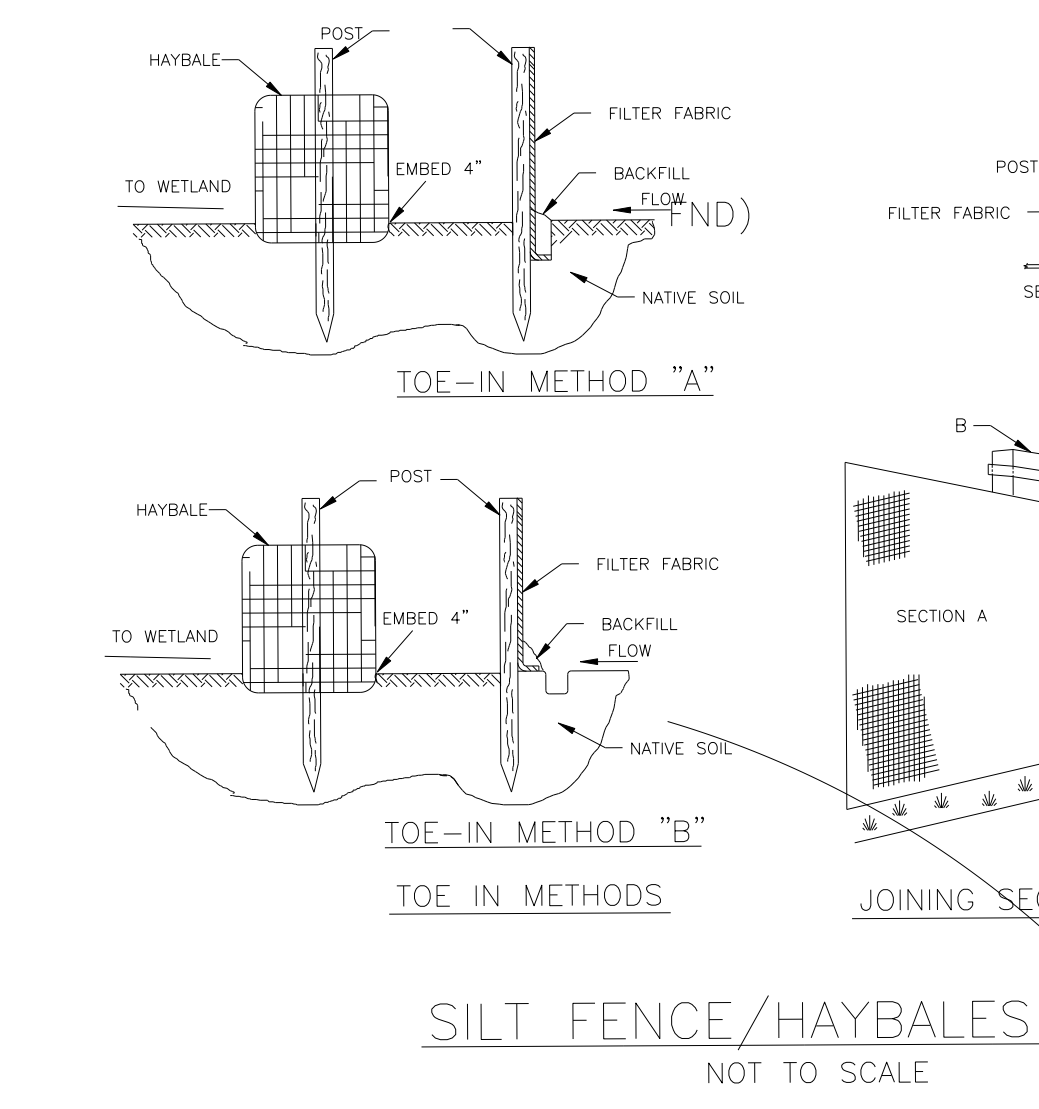
SOIL DATA SE1618 6/26/97

INSPECTOR: ROBERT ETHER, BOH
DATE: 6/25/20
PERFORMED BY: DARREN MICHAELIS

TEST PIT # : 1
EL. TOP = 102.2
EL. WATER = 91 DRY
PERC RATE = < 2 MPI
DEPTH OF PERC = 54-72"

0"	~C FILL
36"	Bb LOAMY SANDS 10YR 5/3
50"	98.0
132"	C1 MED. SANDS 2.5Y 6/3 10% GRAVEL

- GENERAL NOTES**
- THIS SEWAGE DISPOSAL SYSTEM SHALL BE CONSTRUCTED IN CONFORMANCE WITH THE REGULATIONS OF TITLE 5 OF THE STATE ENVIRONMENTAL CODE AND THE REGULATIONS OF THE LOCAL BOARD OF HEALTH.
 - THE LOCAL BOARD OF HEALTH AND THIS FIRM ARE TO BE NOTIFIED:
 - PRIOR TO BEGINNING CONSTRUCTION IN THE EXCAVATION FOR THE PURPOSE OF SOIL EXAMINATION TO INSURE CONTINUITY OF PERMEABLE MATERIAL.
 - PRIOR TO BACKFILLING THE COMPLETED SYSTEM FOR THE PURPOSE OF PERFORMING AN AS-BUILT INSPECTION.
 - PRIOR TO CONSTRUCTING THE SYSTEM IN A MANNER OTHER THAN SHOWN ON THIS DESIGN.
 - CONTRACTOR TO VERIFY ALL UTILITY LOCATIONS PRIOR TO CONSTRUCTION THROUGH DIG SAFE AND OTHER APPROPRIATE AGENCIES. REPORT ANY DISCREPANCIES TO THE ENGINEER.
 - ALL SEPTIC SYSTEM COMPONENTS SHALL WITHSTAND H-10 OR H-20 LOADING AS NOTED ON PLAN
 - WHERE REQUIRED CONTRACTOR WILL REMOVE ALL LOAM, SUBSOIL AND OTHER UNSUITABLE MATERIAL IN THE AREA BENEATH AND FOR 5 FEET ON ALL SIDES OF THE LEACHING FACILITY. THE CONTRACTOR SHALL REPLACE ALL UNSUITABLE MATERIAL WITH CLEAN COARSE SAND FREE FROM CLAY, FINES OR OTHER UNSUITABLE MATERIAL. REPLACEMENT MATERIAL TO HAVE AN INPLACE PERC RATE OF TWO MINUTES
 - 4" SCHEDULE 40 PVC PIPE WITH TIGHT JOINTS TO BE USED IN DISPOSAL SYSTEM UNLESS OTHERWISE NOTED.
 - THIS SYSTEM IS NOT DESIGNED FOR USE WITH A GARBAGE DISPOSAL OR WATER CONDITIONERS. WATER CONDITIONERS SHALL DISCHARGE TO A DRYWELL.
 - CONTRACTOR IS TO VERIFY BENCH MARK, EXISTING INVERTS, AND TOP OF FOUNDATION PRIOR TO ANY EXCAVATION AND REPORT ANY DISCREPANCIES TO THE DESIGN ENGINEER.
 - CONTRACTOR IS MARK ALL ELBOWS AND INSPECTION PORT WITH MAGNETIC TAPE.
 - ALL COVERS TO GRADE ARE TO BE WATERTIGHT AND SECURABLE.
 - THE EFFLUENT FILTER INSTALLED REQUIRES ROUTINE MAINTENANCE TO PREVENT BACKUP.
 - THE CONTRACTOR IS TO DECOMMISSION THE EXISTING SEPTIC SYSTEM IN ACCORDANCE WITH 310CMR 15.354.
- WELL NOTE:**
- THERE ARE NO SURFACE WATER SUPPLIES OR GRAVEL PACKED PUBLIC WATER SUPPLIES WITHIN 400 FT OF PROPOSED SYSTEM.
- THERE ARE NO TUBULAR PUBLIC WATER SUPPLIES WITHIN 250 FT OF THE PROPOSED SYSTEM.
- THERE ARE NO PRIVATE WATER SUPPLIES WITHIN 150 FT OF PROPOSED SYSTEM OTHER THAN ONES SHOWN ON PLAN.



REVISIONS

NO.	DATE	DESCRIPTION	BY
1	8/7/20	ADDITION SIZE	DJM
2	10/8/20	ADDITION SIZE	DJM

RESERVED FOR B.O.H. USE DATE: _____

DESIGN CAPACITY REQUIRED

4 BEDROOMS* AT 110 GAL./DAY/BDRM. = **440**
*SEE DEFINITION OF BEDROOM PER 310CMR 15.002 (1987 DESIGN FLOW=440 GPD)

SEPTIC TANK VOLUME

440 GALS X 200% = **880** GALS. DESIGN CAPACITY
MINIMUM OF 1500 GALLON 2 COMPARTMENT TANK REQUIRED

SYSTEM CAPACITY PROVIDED

QUICK4 CAPACITY = 4.73 S.F./L.F.
CAPACITY REQUIRED = 440 GPD / 0.74 GPD/SF = **595** S.F.
595 S.F. / 4.73 S.F./L.F. = **126** L.F.
126 L.F. / 5 ROWS = 26' = 5 ROWS OF (7) 4' CHAMBERS + (2) .2' ENDCAPS/ROW
PROPOSED LEACH FIELD = 12'D x 16'W x 30'L = **480** SF
CAPACITY PROVIDED = (35) 4' CHAMBERS + (10) .2' ENDCAPS = **142** L.F.
142 L.F. (4.73 S.F./L.F.) = **672** S.F. x 0.74 GPD/S.F. = **497** GPD

PROPERTY INFORMATION

DEED BOOK/PAGE: 15208 / 313 PLAN BOOK/PAGE: 37 / 220
PLAN TITLE: OLD MILL ESTATES - PHASE II - LOT 13
ASSESSORS MAP/LOT: 101 / 13 PLAN DATE: 4/5/94

SEWAGE DISPOSAL SYSTEM UPGRADE DESIGN
QUICK4 PLUS CHAMBERS GENERAL USE APPROVAL

PREPARED FOR: **CLAIRE & KENNETH GELORAN**
10 BOG IRON ROAD
WEST WAREHAM, MA 02576

LOCATED AT: **10 BOG IRON ROAD**
W. WAREHAM, MASSACHUSETTS

DATE: 7/6/20 SCALE: 1" = 20' DESIGN ENG. DJM P.E. REVIEW K.W. JOB NO. FS20-017 DWG. NO. FS20-017SDS

FORESIGHT ENGINEERING INC.
518 COUNTY ROAD (WISHBONE WAY)
WEST WAREHAM, MA 02576
TEL. (508) 245-2148
foresight_engr@gbus.com

