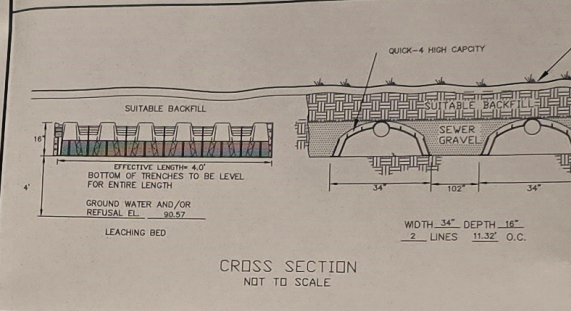
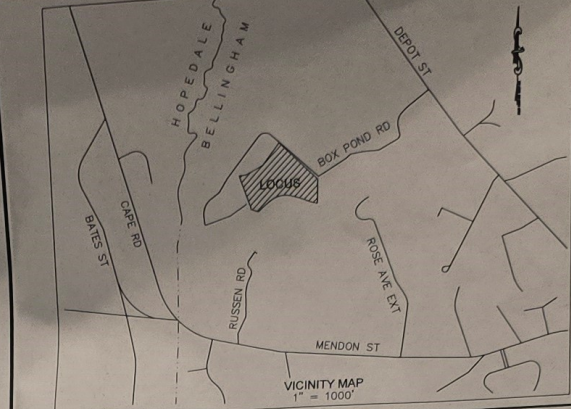
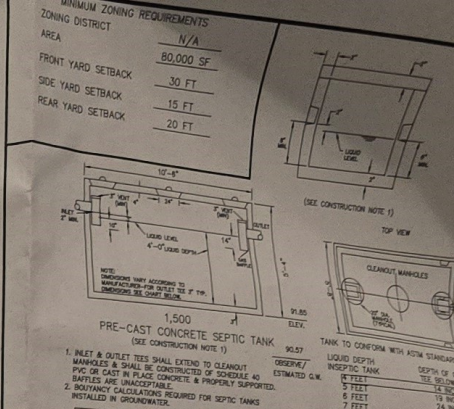


SEPTIC SYSTEM EXCAVATION TO BE INSPECTED BY DESIGN ENGINEER PRIOR TO CONSTRUCTION OF FOUNDATION



DESIGN ELEVATIONS

TOP OF FOUNDATION	99.00
SLAB ELEVATION	91.50
INV. AT FOUNDATION	96.50
INV. AT SEPTIC TANK INLET	96.25
INV. AT SEPTIC TANK OUTLET	95.00
INV. AT DIST. BOX INLET	95.80
INV. AT DIST. BOX OUTLET	95.63
TOP OF INFILTRATOR	95.90
INVERT @ BEGINNING	95.53
BOTTOM OF INFILTRATOR	94.57
ELEV. OF GROUND WATER	90.57
ELEV. OF REFUSAL	N/A
AVERAGE ELEV. OVER SYSTEM	97.00

1' MIN CLEANOUT WITH 3" MAX SCREW IN CAP

INFILTRATOR CHAMBER

COUPLING RISER

1/2 OZ FILTER FABRIC

FINAL GRADE

• SEE STEPPED TRENCH INFO.

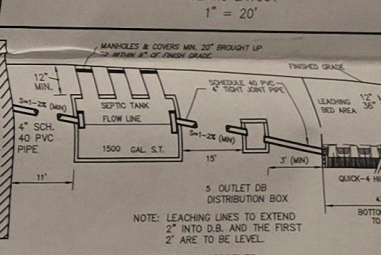
KEY

ST	SEPTIC TANK
DB	DISTRIBUTION BOX
PC	PUMP CHAMBER
T#	ABSORPTION TRENCH
	EXISTING CONTOURS
	PROPOSED CONTOURS
	EXISTING ELEVATIONS
	PROPOSED ELEVATIONS
	EDGE OF WETLANDS
	BENCHMARK
	PUBLIC WATER
	GAS SERVICE
	PERC TEST HOLE
	DEEP SOIL OBSERVATION HOLE
	PRIVATE WATER SUPPLY
	TOP OF CONCRETE

DEEP TESTS TAKEN 9/17/15 BY MAH PERC TESTS TAKEN 9/17/15 BY MAH

WITNESSED M. CATALANO	WITNESSED M. CATALANO
SOIL EVALUATOR MICHAEL HASSETT	SOIL EVALUATOR MICHAEL HASSETT
97.18	95.74
96.51	95.07
95.18	93.74
87.18	85.74
83.51	82.07

PERC 2.3 MIN./INCH



FLOW INFORMATION

TYPE OF BUILDING	SINGLE FAMILY
EMPLOYEES	N/A
DISPOSAL	NO
BEDROOMS	4
OTHER	N/A
DAILY FLOW	4X110=440 GPD
USE	2 ROWS @ 10 CHAMBERS
	1500 GAL. S.T.
	5 OUTLET D.B.

LEACHING FACILITY

TITLE V

PERC. DESIGN RATE

E.L.R. = PERC. RATE

QUICK-4 HIGH CAPACITY TRENCH CONFIGURATION

EFFECTIVE LEACHING CHAMBER LENGTH

REQUIRED

FLOW = 4 x 110

AREA = 440 / 7

EQ. # = 508 / 7

UNITS = 75 / PROVIDED

UNITS = 2

EQ. # = 2

AREA =

FLOW =

- CONSTRUCTION NOTES:
- SEPTIC TANKS AND DISTRIBUTION BOXES SHALL BE INSTALLED LEVEL AND TRUE TO GRADE ON A LEVEL STABLE BASE THAT HAS BEEN MECHANICALLY COMPACTED AND ON TO WHICH 6" OF CRUSHED STONE HAS BEEN PLACED. IN-FILL PROPER COMPACTION IS REQUIRED TO ENSURE STABILITY AND TO PREVENT SETTLING.
  - FILL SHALL BE PLACED IN NOT GREATER THAN 12" INCREMENTS AND COMPACTED BY DOZER TO THE SATISFACTION OF THE ENGINEER.
  - LIMIT OF EXCAVATION TO BE EXTENDED 5 FEET IN ALL DIRECTIONS LATERALLY TO THE DEPTH OF NATURALLY OCCURRING PERVIOUS MATERIAL.
  - ALL EXTRA KNOCKOUTS IN SEPTIC TANK AND DISTRIBUTION BOX ARE TO BE SEALED WITH HYDRAULIC CEMENT.
  - MAXIMUM COVER OVER ANY COMPONENT OF THE SEPTIC SYSTEM SHALL NOT EXCEED 36".
  - MINIMUM COVER OVER ANY COMPONENT OF THE SEPTIC SYSTEM TO BE 9" PRIOR TO PLACEMENT OF 3" MIN. TOPSOIL PRIOR TO CONSTRUCTION.

- DESIGN NOTES:
- ALL TOPSOIL, SUBSOIL AND OTHER IMPERVIOUS MATERIAL SHALL BE EXCAVATED TO PERVIOUS MATERIALS.
  - THE INSTALLATION OF PROPOSED SYSTEM SHALL BE DONE IN CONFORMANCE WITH LOCAL AND STATE BOARD OF HEALTH REGULATIONS.
  - NO PORTION OF THIS SYSTEM SHALL BE ALTERED WITHOUT APPROVAL FROM THE BOARD OF HEALTH AND THE DESIGN ENGINEER.
  - FILL MATERIAL FOR SYSTEMS CONSTRUCTED IN FILL SHALL CONSIST OF SELECT ON-SITE OR IMPORTED SOIL MATERIAL, CONSISTING OF GRANULAR SAND FREE FROM ORGANIC MATTER AND DELETERIOUS SOIL SUBSTANCES, MIXTURES AND LAYERS OF DIFFERENT CLASSES OF SOILS. ANALYSIS SHALL BE PERFORMED IN ACCORDANCE WITH 310 CMR 12.00(3).
  - IT IS RECOMMENDED THAT SEPTIC TANKS BE INSPECTED FOR CLEANING ONCE A YEAR.
  - THIS SYSTEM IS NOT DESIGNED TO ACCOMMODATE A GARBAGE DISPOSAL UNIT.
  - ELEVATIONS REFERS TO ASSESSORS ATLAS SHEET 38 BLOCK D LOT 9.
  - OFFSETS NOT TO BE USED FOR THE REPRODUCTION OF PROPERTY LINES.
  - ALL INSPECTIONS NECESSARY FOR THE CERTIFICATION OF PROPERTY LINES AND THE PREPARATION OF AN AS-BUILT PLAN ARE TO BE PERFORMED BY THE DESIGN ENGINEER.
- NOTE: CONSTRUCTION ON THIS LOT IS SUBJECT TO ANY EASEMENTS, RIGHTS-OF-WAY, RESTRICTIONS, RESERVATIONS OR OTHER LIMITATIONS WHICH MAY BE REVEALED BY AN EXAMINATION OF THE TITLE.

SITE DEVELOPMENT & CONSTRUCTION

BELLINGHAM

SCALE: 40 FEET

DATE: NOVEMBER

REV. DATE

2/7/17 REVISED

2/7/17 REVISED

OWNER/APPLICANT

ADDRESS LOT 2

333 NW (508)

ELIZABETH A. MAHONEY CIVIL ENGR. No. 10098

248916

SIGNATURE P.E.

2-7-17

DATE