

LOCUS MAP
SCALE: 1" = 1000'

SCHEDULE OF ELEVATIONS

TOP OF FOUNDATION, TOP OF CONCRETE	180.88
BASEMENT FLOOR FINISHED GRADE	172.0±
INVERT OF PIPE AT FOUNDATION	174.7 (EXISTING) 175.75 (PROPOSED)
INVERT AT SEPTIC TANK INLET	175.25
INVERT AT SEPTIC TANK OUTLET	175.00
INVERT AT DISTRIBUTION BOX INLET	174.67
INVERT AT DISTRIBUTION BOX OUTLET	174.50
INVERT AT ENVIRO-SEPTIC PIPE	174.18
ELEVATION OF BOTTOM OF ENVIRO-SEPTIC PIPE	173.60
ELEVATION OF TRENCH BOTTOM	173.10
FINISHED GRADE OVER LEACHING AREA (F.G.)	2% MINIMUM SLOPE (SEE PLAN)
GROUND WATER ELEVATION	170.00 (MOTTLES)
BREAKOUT ELEVATION	173.10

NOTES:

- SEE SOIL TEST LOGS AND PLAN FOR LEACHING FIELD REQUIRED EXCAVATION DEPTH AND LIMITS.
- EXISTING SEPTIC TANK AND LEACHING FIELD TO BE REMOVE AND DISPOSED OF IN THEIR ENTIRETY. SEE CONSTRUCTION NOTE NO. 10 ON SHEET 2.
- DEED RESTRICTION IS REQUIRED TO FORBID GARBAGE DISPOSAL USE AND SUCH RESTRICTION MUST BE RECORDED AT THE NORFOLK REGISTRY OF DEEDS PRIOR TO ISSUANCE OF A PERMIT.

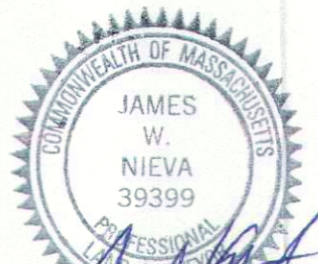
LOCAL APPROVING AUTHORITY VARIANCES:

- LOCAL UPGRADE APPROVAL TO ALLOW SYSTEM TO BE INSTALLED 3.1 FEET ABOVE GROUNDWATER WHERE 5 FEET IS REQUIRED. (SEE D.E.P. REMEDIAL APPROVAL FOR PRESBY ENVIRO-SEPTIC SYSTEM.)
- LOCAL UPGRADE APPROVAL TO ALLOW THE LEACHING AREA TO BE WITHIN 38.35 FEET OF THE FLAGGED BORDERING VEGETATIVE WETLAND.
- WELL SETBACK FOR SEPTIC TANK AT 38.7', WHERE 50' IS REQUIRED. WELL SETBACK AT 51.5' TO THE LEACHING FIELD WHERE 100' IS REQUIRED.

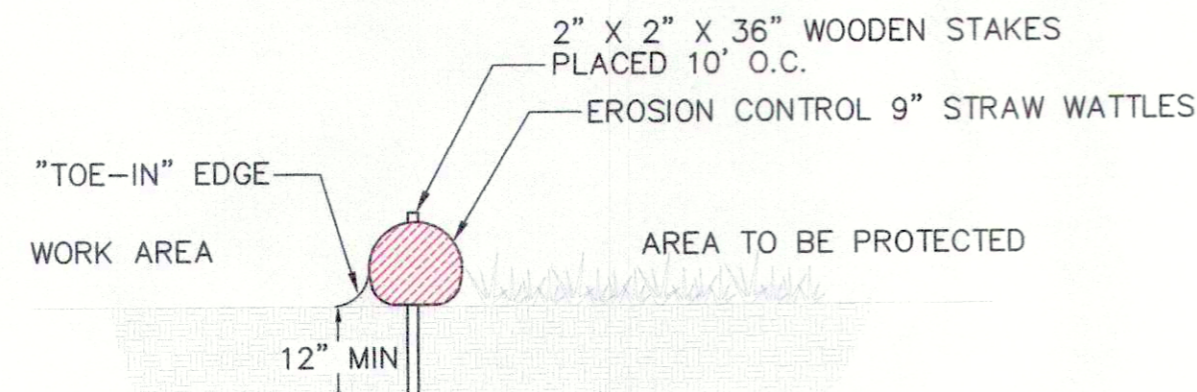
RESEARCH BY: JWN
FIELD SURVEY: KGM/REW
COMPUTED BY: JWN
DRAFTED BY: DRD
DESIGNED BY: BJW
CHECKED BY: BJW/JWN



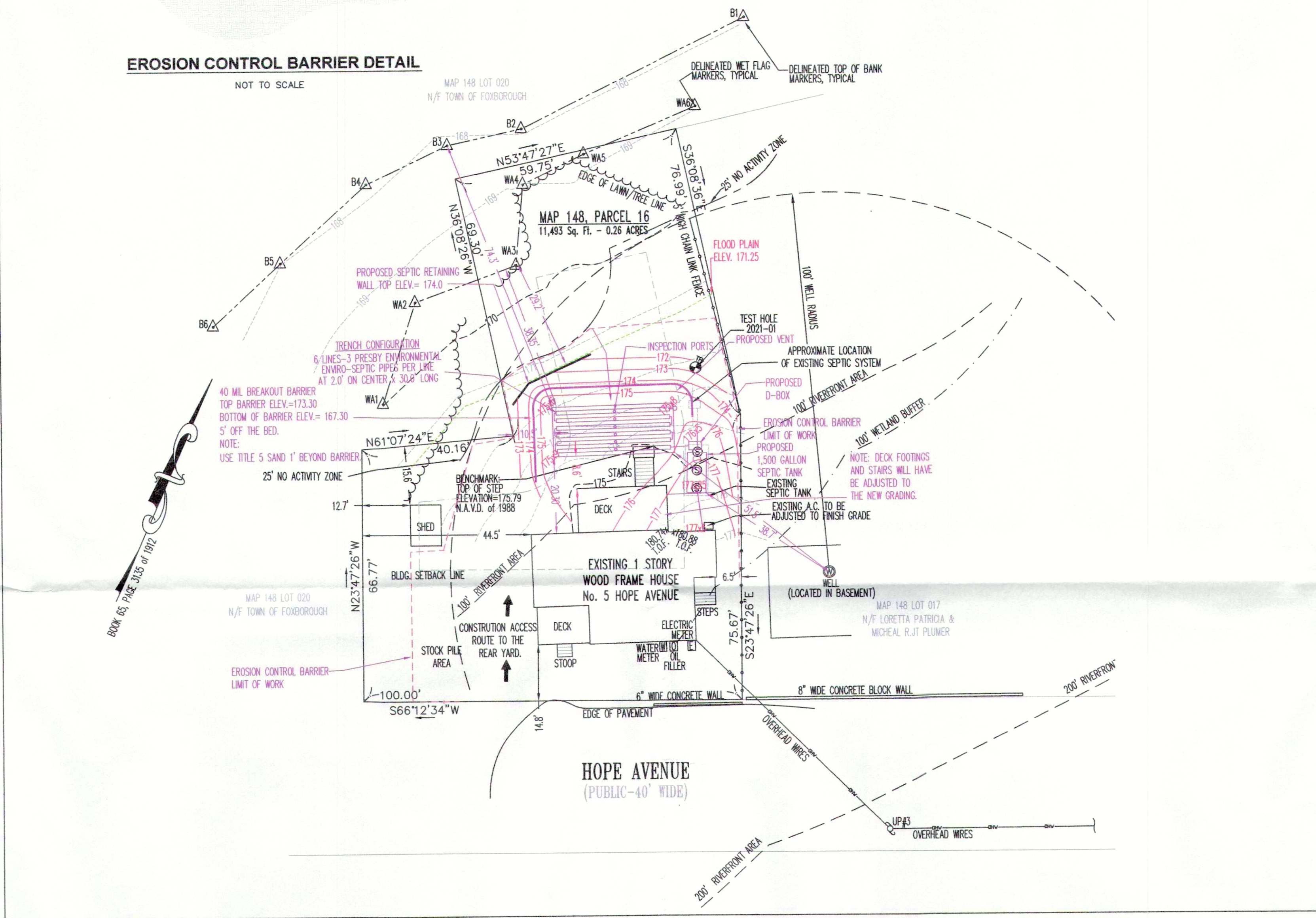
Know what's below.
Call before you dig.



3-10-2022



EROSION CONTROL BARRIER DETAIL
NOT TO SCALE

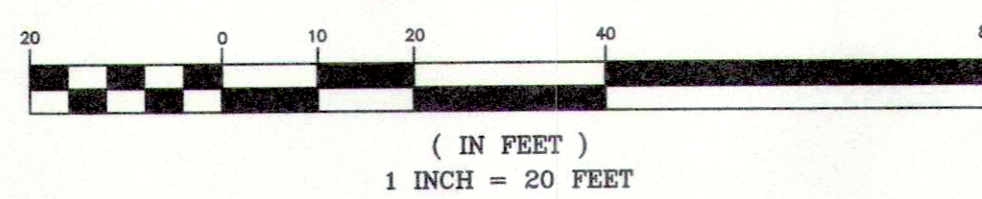


SITE PLAN

SCALE: 1" = 20'
ASSESSORS MAP 148, PARCEL 16
ZONING REFERENCE "R40"

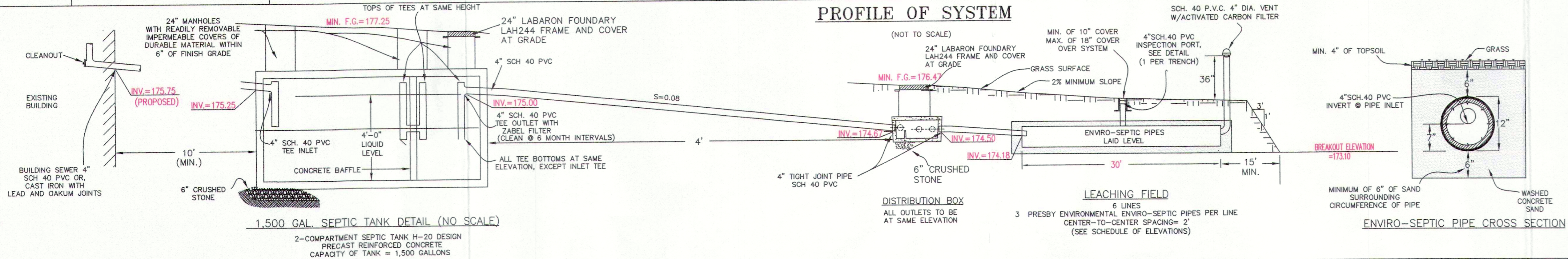
BUILDING SETBACK - FRONT YARD = 35' SIDE YARD = 15' REAR YARD = 30'

GRAPHIC SCALE



"TITLE 5 - UPGRADE"

PROFILE OF SYSTEM



1,500 GAL. SEPTIC TANK DETAIL (NO SCALE)

2-COMPARTMENT SEPTIC TANK H-20 DESIGN
PRECAST REINFORCED CONCRETE
CAPACITY OF TANK = 1,500 GALLONS

INSPECTIONS REQUIRED OF THE DESIGN ENGINEER

PLEASE NOTIFY DUNN-MCKENZIE, INC. (800-540-9720)

AT LEAST 48 HOURS IN ADVANCE

- SEPTIC TANK EXCAVATION WITH STONE PRIOR TO SEPTIC TANK PLACEMENT.
- LEACHING FIELD EXCAVATION PRIOR TO BACKFILLING WITH "SEWER GRAVEL".
- "SEWER GRAVEL" AND "CONCRETE SAND" BACKFILL - MUST PASS SIEVE TEST (SEE NOTES #1 & 2 ON SHEET #2 UNDER "SYSTEM IN FILL").
- ALL PIPING ELEVATIONS PRIOR TO BACKFILL.
- FINAL GRADING OVER ENTIRE SYSTEM.

*** EXCAVATION NOTE**

THE ENGINEER MAY ORDER THE REMOVAL OF ADDITIONAL UNSUITABLE SOIL THAT MAY BE ENCOUNTERED UPON INSPECTION OF OPEN EXCAVATION.

DATUM NOTE :

ELEVATIONS REFER TO THE NORTH AMERICAN VERTICAL DATUM OF 1988.

BENCHMARK NOTE:

BENCHMARK SHALL BE SET WITHIN 50 FT. OF LEACHING SYSTEM PRIOR TO ANY CONSTRUCTION.

REMOVE THESE SOIL HORIZONS
SEE "LEACHING FIELD" NOTE 6 ON SHEET 2

SOIL TEST RESULTS

TEST HOLE: 2021-01 DATE: 12/06/2021 GROUND ELEV.= 172.5					TEST HOLE: DATE: GROUND ELEV.=				
DEPTH	HORIZON	SOIL TYPE	SOIL COLOR	ELEV.	DEPTH	HORIZON	SOIL TYPE	SOIL COLOR	ELEV.
0-12"	A	SANDY LOAM	10YR 3/2	171.5					
12-30"	B	SANDY LOAM	10YR 5/8	170.0					
30-66"	C-1	SAND	10YR 7/8	167.0					
66-70"	C-2	LOAMY SAND	10YR 8/1	166.67					
30" MOTTLES				170.0					

TEST HOLE: DATE: GROUND ELEV.=					TEST HOLE: DATE: GROUND ELEV.=				
DEPTH	HORIZON	SOIL TYPE	SOIL COLOR	ELEV.	DEPTH	HORIZON	SOIL TYPE	SOIL COLOR	ELEV.

SOIL EVALUATOR: JAMES W. NIEVA, #13258

B.O.H. AGENT: KEVIN DUQUETTE

PERCOLATION TESTS

TEST NO.: 2021-01 ELEV.= 172.5				TEST NO.: ELEV.=				TEST NO.: ELEV.=				TEST NO.: ELEV.=			
DATUM	TIME	INTERVAL	DATUM	TIME	INTERVAL	DATUM	TIME	INTERVAL	DATUM	TIME	INTERVAL	DATUM	TIME	INTERVAL	
SOAK	8:11-8:12		SOAK			SOAK			SOAK			SOAK			
12"			12"			12"			12"			12"			
11"			11"			11"			11"			11"			
10"			10"			10"			10"			10"			
9"			9"			9"			9"			9"			
8"	POURED		8"			8"			8"			8"			
7"	24 GALLONS		7"			7"			7"			7"			
6"	NOTE: THE PERC WAS DONE WITHIN THE "B" LAYER.		6"			6"			6"			6"			

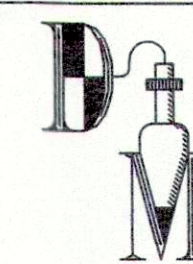
RATE: LESS THAN 2 MPI
DATE: 12/06/2021
DEPTH: 12"

I CERTIFY THAT ON JULY 1, 2010, I HAVE PASSED THE EXAMINATION APPROVED BY THE DEPARTMENT OF ENVIRONMENTAL PROTECTION AND THAT THE ABOVE ANALYSIS HAS BEEN PERFORMED CONSISTENT WITH THE REQUIRED TRAINING, EXPERTISE, EXPERIENCE DESCRIBED IN 310CMR 15.018(2).

JAMES W. NIEVA - CERTIFIED SOIL EVALUATOR #13258

TITLE 5 SEWAGE DISPOSAL SYSTEM UPGRADE FOR AN EXISTING 2 BEDROOM DWELLING

LOCATION
5 HOPE AVENUE
FOXBOROUGH, MASSACHUSETTS 02035
APPLICANT & OWNER OF RECORD:
ELIZABETH CALLAHAN
5 HOPE AVENUE
FOXBOROUGH, MASSACHUSETTS 02035
TEL. NO. (508) 633-0234



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