

LOCUS MAP SCALE: 1" = 1000'

SCHEDULE OF ELEVATIONS

TOP OF FOUNDATION, TOP OF CONCRETE _____ 180.88 BASEMENT FLOOR FINISHED GRADE _____ 172.0± 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

1.) SEE SOIL TEST LOGS AND PLAN FOR LEACHING FIELD REQUIRED EXCAVATION

DEPTH AND LIMITS. 2.) EXISTING SEPTIC TANK AND LEACHING FIELD TO BE REMOVE AND DISPOSED OF IN THEIR ENTIRETY. SEE CONSTRUCTION NOTE NO. 10 ON SHEET 2. 3.) DEED RESTRICTION IS REQUIRED TO FORBID GARBAGE DISPOSAL USE AND SUCH RÉSTRICTION MUST BE RECORDED AT THE NORFOLK REGISTRY OF DEEDS PRIOR TO ISSUANCE OF A PERMIT.

LOCAL APPROVING AUTHORITY VARIANCES:

1.) 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.)

2.) LOCAL UPGRADE APPROVAL TO ALLOW THE LEACHING AREA TO BE WITHIN 38.35 FEET OF THE FLAGGED BORDERING VEGETATIVE WETLAND.

3.) 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.

24" MANHOLES ____ WITH READILY REMOVABLE

IMPERMEABLE COVERS OF

DURABLE MATERIAL WITHIN

6" OF FINISH GRADE

INV.=175.25

6" CRUSHED

RESEARCH BY: JWN FIELD SURVEY: KGM/REW

CLEANOUT-

EXISTING

BUILDING

BUILDING SEWER 4"

SCH 40 PVC OR,

CAST IRON WITH

LEAD AND OAKUM JOINTS

COMPUTED BY: JWN DRAFTED BY: DRD Know what's below. DESIGNED BY: BJW

Call before you dig. CHECKED BY: BJW/JWN REVISION DATE ADD STOCKPILE AREA 3/7/2022

NIEVA

TOPS OF TEES AT SAME HEIGHT

MIN. F.G.= 177.25

LIQUID

-4" SCH. 40 PVC

TEE INLET

CONCRETE BAFFLE

-EROSION CONTROL 9" STRAW WATTLES "TOE-IN" EDGE-AREA TO BE PROTECTED WORK AREA **EROSION CONTROL BARRIER DETAIL** DELINEATED WET FLAG DELINEATED TOP OF BANK MARKERS, TYPICAL MAP 148 LOT 020 NOT TO SCALE N/F TOWN OF FOXBOROUGH PROPOSED SEPTIC RETAINING \$ WALL FOP ELEV .= 174.0 -APPROXIMATE LOCATION 6/LINES-3 PRESBY ENVIRONMENTAL ENVIRO-SEPTIC PIPES PER LINE OF EXISTING SEPTIC SYSTEM AT 2.0' ON CENTER, X 30.8" LONG 40 MIL BREAKOUT BARRIER TOP BARRIER ELEV.=173.30 BOTTOM OF BARRIER ELEV.= 167.30 -5' OFF THE BED. USE TITLE 5 SAND 1' BEYOND BARRIER. / NOTE: DECK FOOTINGS AND STAIRS WILL HAVE 25' NO ACTIVITY ZONE BE ADJUSTED TO ___ THE NEW GRADING. EXISTING A.C. TO BE —ADJUSTED TO FINISH GRADE EXISTING 1 STORY BLDG. SETBACK LINE WOOD FRAME HOUSE No. 5 HOPE AVENUE MAP 148 LOT 020 N/F TOWN OF FOXBOROUGH N/F LORETTA PATRICIA & ROUTE TO THE STOCK PILE REAR YARD. AREA EROSION CONTROL BARRIER-LIMIT OF WORK 8" WIDE CONCRETE BLOCK WALL 6" WIDE CONCRETE WALL S66°12'34"W HOPE AVENUE (PUBLIC-40' WIDE) OVERHEAD WIRES

2" X 2" X 36" WOODEN STAKES

-PLACED 10' O.C.

SITE PLAN

SIDE YARD = 15

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

BUILDING SETBACK - FRONT YARD = 35'

GRAPHIC SCALE (IN FEET) 1 INCH = 20 FEET

"TITLE 5 - UPGRADE"

SCH. 40 P.V.C. 4" DIA. VENT PROFILE OF SYSTEM W/ACTIVATED CARBON FILTER MIN. OF 10" COVER (NOT TO SCALE) 4"SCH.40 PVC MAX. OF 18" COVER INSPECTION PORT, 24" LABARON FOUNDARY OVER SYSTEM MIN. 4" OF TOPSOIL SEE DETAIL LAH244 FRAME AND COVER (1 PER TRENCH) AT GRADE GRASS SURFACE 4"SCH.40 PVC -INVERT @ PIPE INLET ENVIRO-SEPTIC PIPES LAID LEVEL BREAKOUT ELEVATION 'CRUSHED 4" TIGHT JOINT PIPE STONE SCH 40 PVC MINIMUM OF 6" OF SAND LEACHING FIELD SURROUNDING DISTRIBUTION BOX CONCRETE CIRCUMFERENCE OF PIPE 6 LINES 3 PRESBY ENVIRONMENTAL ENVIRO-SEPTIC PIPES PER LINE ALL OUTLETS TO BE

REAR YARD = 30'

INSPECTIONS REQUIRED OF THE DESIGN ENGINEER

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

AT LEAST 48 HOURS IN ADVANCE

1. SEPTIC TANK EXCAVATION WITH STONE PRIOR TO SEPTIC TANK PLACEMENT.

2. LEACHING FIELD EXCAVATION PRIOR TO BACKFILLING WITH "SEWER GRAVEL".

3. "SEWER GRAVEL" AND "CONCRETE SAND" BACKFILL - MUST PASS SIEVE TEST (SEE NOTES #1 & 2 ON SHEET #2 UNDER "SYSTEM IN FILL").

4. ALL PIPING ELEVATIONS PRIOR TO BACKFILL.

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

SOIL TEST RESULTS

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

TEST HOLE: 2021-01 DATE: 12/06/2021 GROUND ELEV.= 172.5 | TEST HOLE:

ILDI HOLL	. 2021 016	MIL. 12/	00/2021	GIVOOND LLLY	1/2.0	ILJI HOLL.		D/ 11 L.		01100110 L	
DEPTH	HORIZON	SOIL	TYPE	SOIL COLOR	ELEV.	DEPTH	<u>HORIZON</u>	SOIL	TYPE	SOIL COLOF	R 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	SAN	ID	10YR 7/8	167.0						
66-70"	C-2	LOAMY	SAND	10YR 8/1	166.67						
30" MOTT	LES				170.0						
TEST HOLE: DATE:				GROUND ELI	EV.=	TEST HOLE: DATE:			GROUND ELEV.=		
DEPTH	HORIZON	SOIL	TYPE	SOIL COLOR	ELEV.	<u>DEPTH</u>	HORIZON	SOIL SOIL	TYPE !	SOIL COLOR	ELEV.
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SOIL EVALUATOR: JAMES W. NIEVA, #13258						B.O.H. AGENT: KEVIN DUQUETTE					
				PERCO	I ATIO	N TI	FSTS				
TECT NO. 1	2021-01 ELE	V = 172 5							TEST NO.:		ELEV.=
					EV.=	TEST NO.:		LEV.=			
DATUM	-	NTERVAL			INTERVAL	-	TIME	INTERVAL	DATUM	TIME	INTERVAL
SOAK	8:11-	-8:12	SOAK	1	-	SOAK		T	SOAK		
12"			12"	-		12"	-	-	12"		
11"			11"			11"		-	11"	 	-
10"	POURED		10"			10"	100	-	10"	-	-
9"	24 GALLONS		9"			9"			9"		
8"	NOTE: THE PERC WAS DONE WITHIN		8"			8"			8"		
7"	THE "B" LAYER.					7"			7"	-	
			6"			6"		1	6"		1
RATE: LESS THAN 2 MPI RATE:						RATE:			RATE:		
DATE: 12/06/2021			DATE:			DATE:			DATE:		
DEPTH: 12" DEPTH: I CERTIFY THAT ON JULY 1, 2010, I HAVE					DACCES	DEPTH: DEPTH:					
I CER	HAI THAI	ON JOE,	r 1, 20	IU, I HAVE	PASSED	THE EXA	MINATION	APPROVE	D BY IF	1L	

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

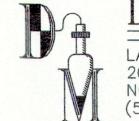
TITLE 5 SEWAGE DISPOSAL SYSTEM UPGRADE FOR AN EXISTING 2 BEDROOM DWELLING

LOCATION

FOXBOROUGH, MASSACHUSETTS 02035 MAR 17 2022

ELIZABETH CALLAHAN 5 HOPE AVENUE

FOXBOROUGH, MASSACHUSETTS 02035 TEL. NO. (508) 633-0234



Dunn · McKenzie, Inc.

LAND SURVEYING AND CIVIL ENGINEERING 206 DEDHAM STREET, Rt.1A at Rt.115 NORFOLK, MASSACHUSETTS 02056 (508) 384-3990 - FAX (508) 384-3905 email: jimmy@dunnmckenzie.com

SHEET 1 OF 2 DATE: NOVEMBER 30, 2021

1,500 GAL. SEPTIC TANK DETAIL (NO SCALE) 2-COMPARTMENT SEPTIC TANK H-20 DESIGN PRECAST REINFORCED CONCRETE CAPACITY OF TANK = 1,500 GALLONS

24" LABARON FOUNDARY

ZABEL FILTER (CLEAN @ 6 MONTH INTERVALS)

ALL TEE BOTTOMS AT SAME ELEVATION, EXCEPT INLET TEE

AT GRADE

4" SCH 40 PVC

4" SCH. 40 PVC TEE OUTLET WITH

LAH244 FRAME AND COVER

AT SAME ELEVATION

CENTER-TO-CENTER SPACING= 2' (SEE SCHEDULE OF ELEVATIONS)

ENVIRO-SEPTIC PIPE CROSS SECTION

JOB#6690

GROUND ELEV.=