

GENERAL NOTES

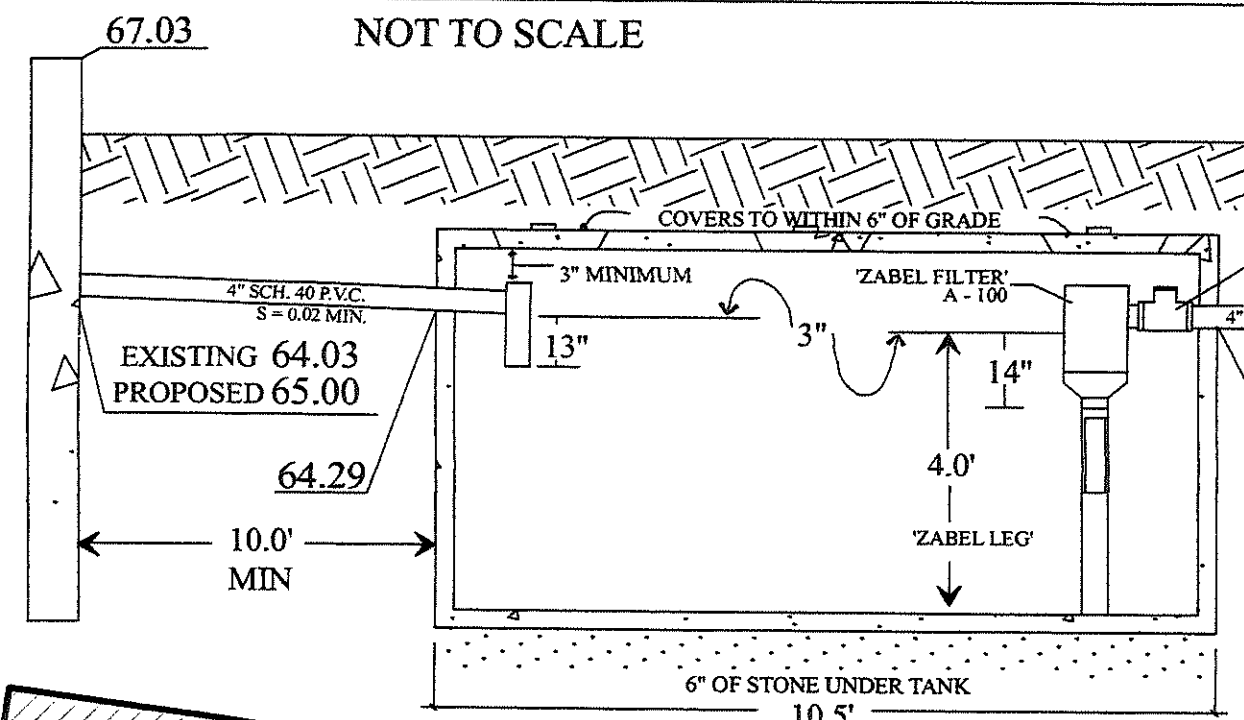
ALL PIPING TO BE SCHEDULE 40 P.V.C.
 ALL LOCATIONS OF UTILITIES SHOWN ARE AS MARKED BY DIG-SAFE AND ARE TO BE VERIFIED BY INSTALLER PRIOR TO CONSTRUCTION.
 THERE ARE NO KNOWN POTABLE WELLS WITHIN 150' OF THE PROPOSED LEACHING FACILITY.
 THERE ARE NO KNOWN IRRIGATION WELLS WITHIN 100' OF THE PROPOSED LEACHING FACILITY.
 THIS PROPERTY DOES NOT FALL WITHIN A ZONE II OF A WELLSHEAD PROTECTION AREA.
 A PORTION OF THIS PROPERTY DOES FALL WITHIN A FLOOD ZONE (ZONE A-SO B.F.E.) AS SHOWN ON FIRM MAP 25023C0238L, DATED 07/06/2021.
 ALL SYSTEM COMPONENTS SHALL BE MARKED WITH 1" WASHERS

RESERVE AREA

THE RESERVE S.A.S. AREA WILL BE THE REMOVAL AND REPLACEMENT OF THE EXISTING S.A.S.

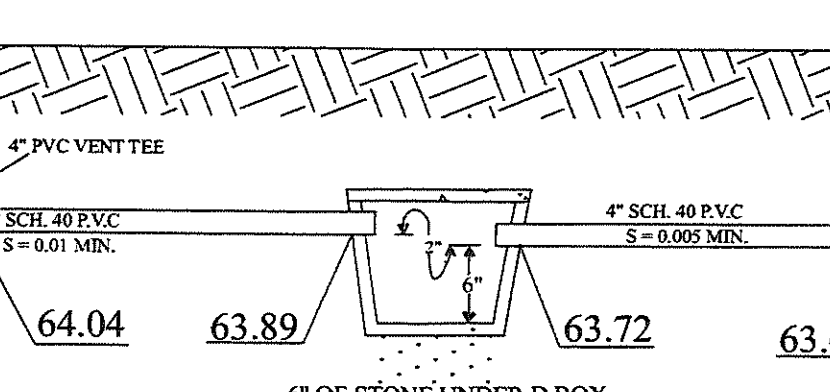
PROPOSED 1500 GALLON TANK

NOT TO SCALE



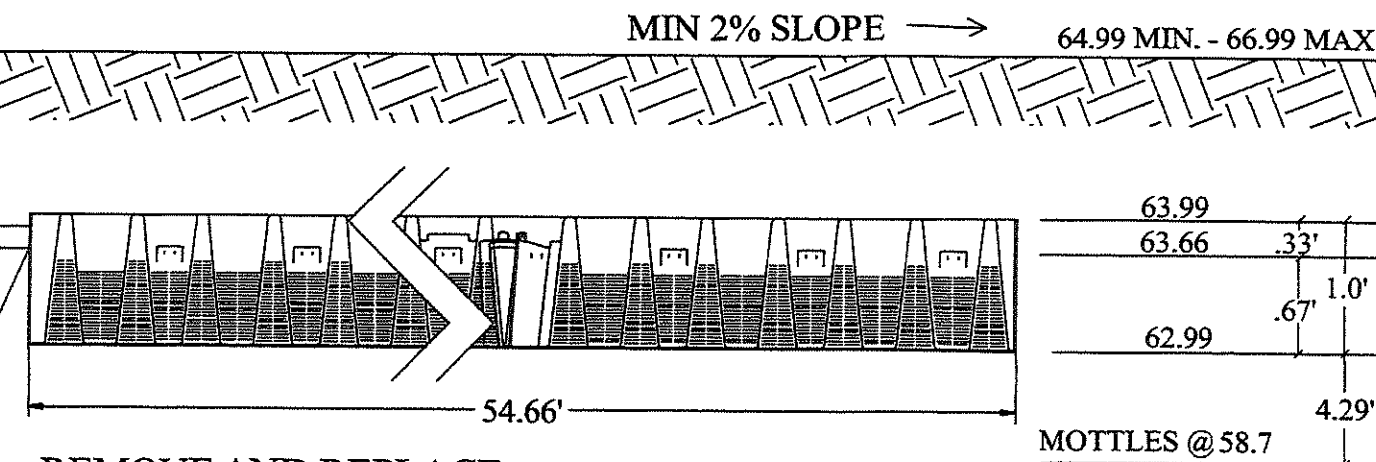
DISTRIBUTION BOX

NOT TO SCALE



QUICK 4 CAPACITY CHAMBER DETAIL

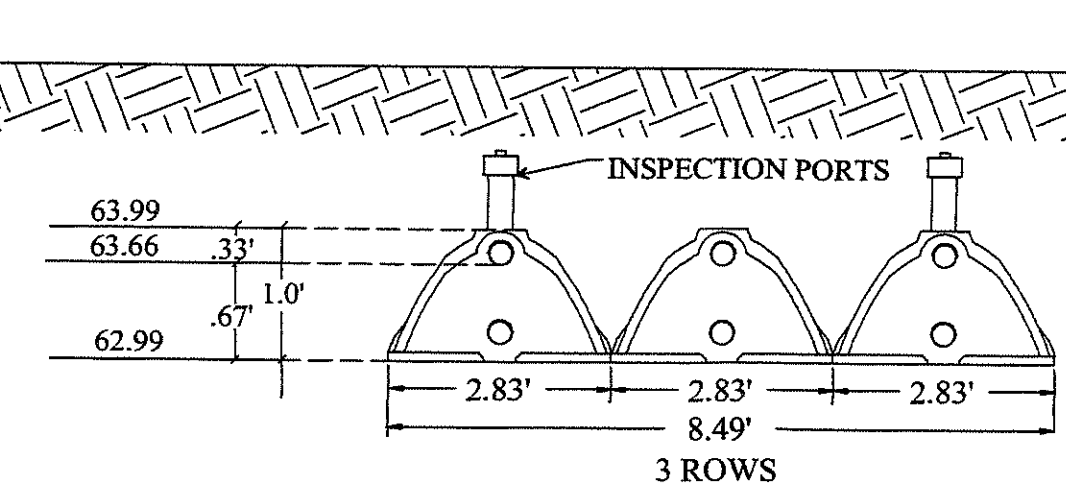
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REMOVE AND REPLACE:
 ALL UNSUITABLE MATERIALS ARE TO BE REMOVED FOR A DISTANCE OF 5' IN ALL DIRECTIONS AROUND PROPOSED LEACHING FACILITY TO THE LAYER C1 OF MEDIUM SAND (OBS# 1) APPROX. ELEVATION 63.20 AND REPLACED WITH CLEAN SAND AS REQUIRED BY 310 CMR 15.25(5)

CROSS SECTION

NOT TO SCALE



IN-LINE ELEVATIONS

	PROPOSED	AS-BUILT
INV. @ HSE	65.00	
INV INTO TANK	64.29	
INV OUT OF TANK	64.04	
INV INTO D-BOX	63.89	
INV OUT OF D-BOX	63.72	
INV INTO ARC 36	63.66	
BOTTOM OF ARC 36	62.99	
SEPARATION PROVIDED	4.2'	
WATER TABLE	MOTTLING @ 58.7	
BOTTOM OF OBS HOLE	54.2	

DESIGN CALCULATIONS

EXISTING BEDROOMS	5	
PROPOSED BEDROOMS	5	@110 G.P.D. = 550 G.P.D.
NUMBER OF ROWS	3	
NUMBER OF UNITS PER ROW	13	
NUMBER OF END CAPS	6	
DEPTH BELOW INVERT	0.67	
LENGTH OF BED	54.66	
WIDTH OF BED	8.49	
TOTAL CHAMBER LENGTH	163.98	
LTAR	0.74	
SQ.FT. MIN.	743.24	
SQ.FT. PER X259183 @ 4.73	775.63	
CAPACITY TOTAL	573.96	

THIS SEPTIC SYSTEM IS NOT DESIGNED TO ACCOMMODATE A GARBAGE DISPOSAL

SOIL LOGS

DATE: 9/9/2021

OBSERVED BY: FREEMAN BOYNTON III
 SOIL EVALUATOR

WITNESSED BY: TRACY MAYO
 BOARD OF HEALTH

OBS. HOLE #1

ELEV.		DEPTH
65.4	A LOAMY SAND 10YR 3/2	0"
64.7	B LOAMY SAND 10YR 5/8	8"
63.2	C1 MEDIUM SAND 2.5Y 6/3	27"
		43" PERC TEST
58.7	MOTTLES	80"
54.8	STANDING	27"
54.2		134"

PERC RATE = 2 MINS. / INCH

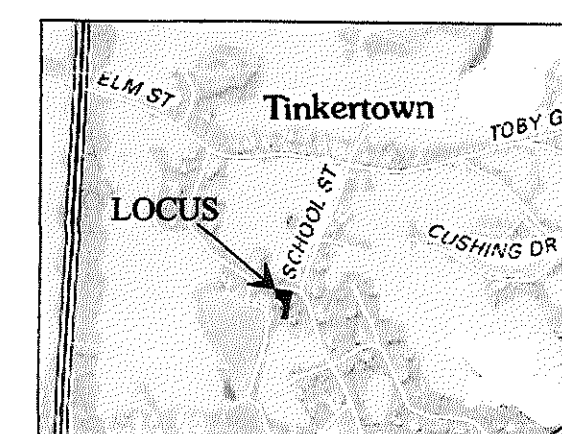
SURVEY INFORMATION

PROPERTY LINE DATA TAKEN FROM:
 PLANS DRAWN BY STENBECK & TAYLOR, INC.
 TITLED "SITE PLAN" DATED NOVEMBER 9, 1990
 ON FILE AT DUXBURY TOWN HALL

PLAN TO BE USED FOR INSTALLATION OF SEPTIC SYSTEM ONLY

BENCHMARK:

TOP OF FOUNDATION EL. 67.03 (ASSUMED)



LOCUS PLAN
 NOT TO SCALE

VARIANCES

DUXBURY SUPPLEMENTAL REGS

SECTION 1.10 (1A) MINIMUM SETBACK DISTANCES
 ...SETBACK FROM S.A.S. TO B.V.W. OF 150'...
THE PROPOSED LEACHING FIELD WILL BE CONSTRUCTED 146.0' FROM B.V.W.

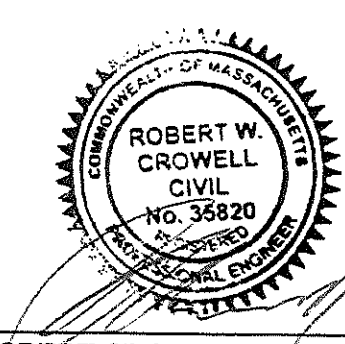
SECTION 1.11 (1B) GROUNDWATER SEPARATION
1. THE PROPOSED LEACHING FIELD IS TO BE CONSTRUCTED 5.0' ABOVE MAXIMUM GROUND WATER (DUXBURY REGULATIONS REQUIRE 6.0' WHERE THE PERC RATE IS LESS THAN 2 MINS/INCH.)

LOCAL UPGRADE APPROVAL

(b) THE LOCAL APPROVING AUTHORITY MAY REDUCE THE REQUIRED... FIVE FOOT SEPARATION IN SOILS WITH A RECORDED PERCOLATION RATE OF LESS THAN TWO MINUTES PER INCH... BETWEEN THE BOTTOM OF THE SOIL ABSORPTION SYSTEM AND THE HIGH GROUNDWATER ELEVATION ONLY IF ALL OF THE FOLLOWING CONDITIONS ARE MET:
 2. A MINIMUM FOUR FOOT SEPARATION (IN SOILS WITH A RECORDED PERCOLATION RATE OF LESS THAN TWO MINUTES PER INCH) BETWEEN THE BOTTOM OF THE SOIL ABSORPTION SYSTEM AND THE HIGH GROUNDWATER ELEVATION IS MAINTAINED.

1. THE PROPOSED LEACHING FIELD IS TO BE CONSTRUCTED 4.29' ABOVE MAXIMUM GROUND WATER.

PLAN SHOWING:		PROPOSED SEPTIC SYSTEM REPAIR IN DUXBURY	
FOR:	DEAN & JANET FISHER	DRAWN BY:	NICK MOSCARITOLO
LOC:	142 OAK STREET	DESIGN & CHECKED BY:	FREEMAN BOYNTON, JR. & ROBERT CROWELL
LOT#:	061 - 046 - 005	REVISIONS:	DESCRIPTION: DATE:



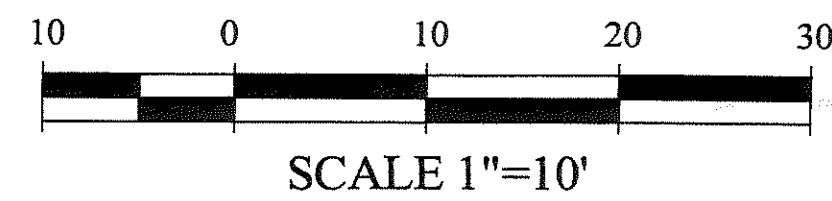
ROBERT CROWELL
 DATE: 10/21/21

I CERTIFY THAT THIS PLAN CONFORMS TO TITLE 5 AND DUXBURY B.O.H. REGULATIONS (EXCLUDING WAIVERS SPECIFIED)

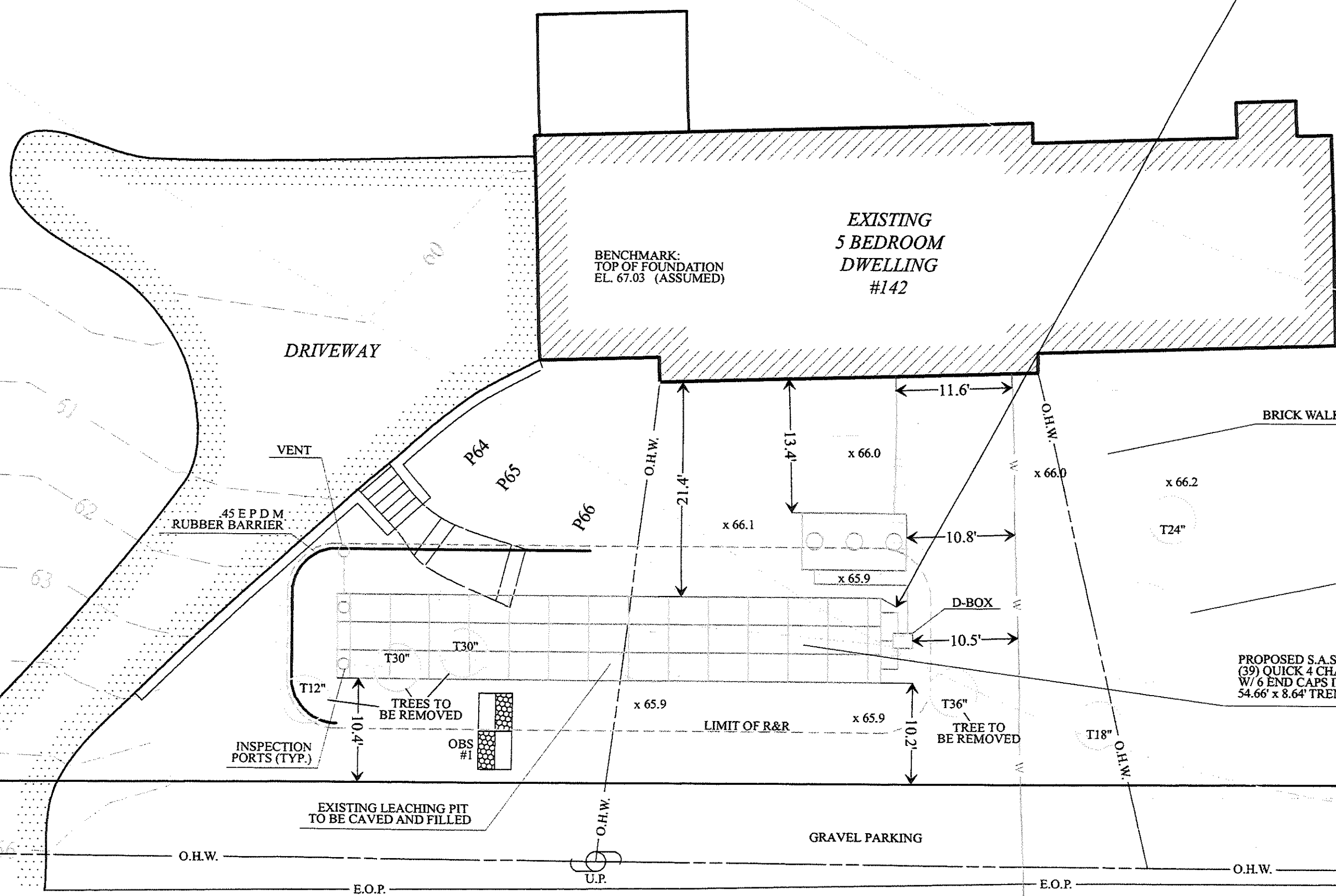
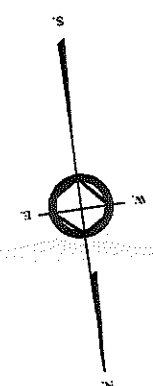


DUXBURY CONSTRUCTION, LLC.
 P.O. BOX 2514 DUXBURY MASSACHUSETTS 781 934 0000

PARCEL #061 - 046 - 005
 0.93 AC +/-



SCALE 1"=10'



OAK STREET

SITE LOCUS

SCALE 1"=80'

