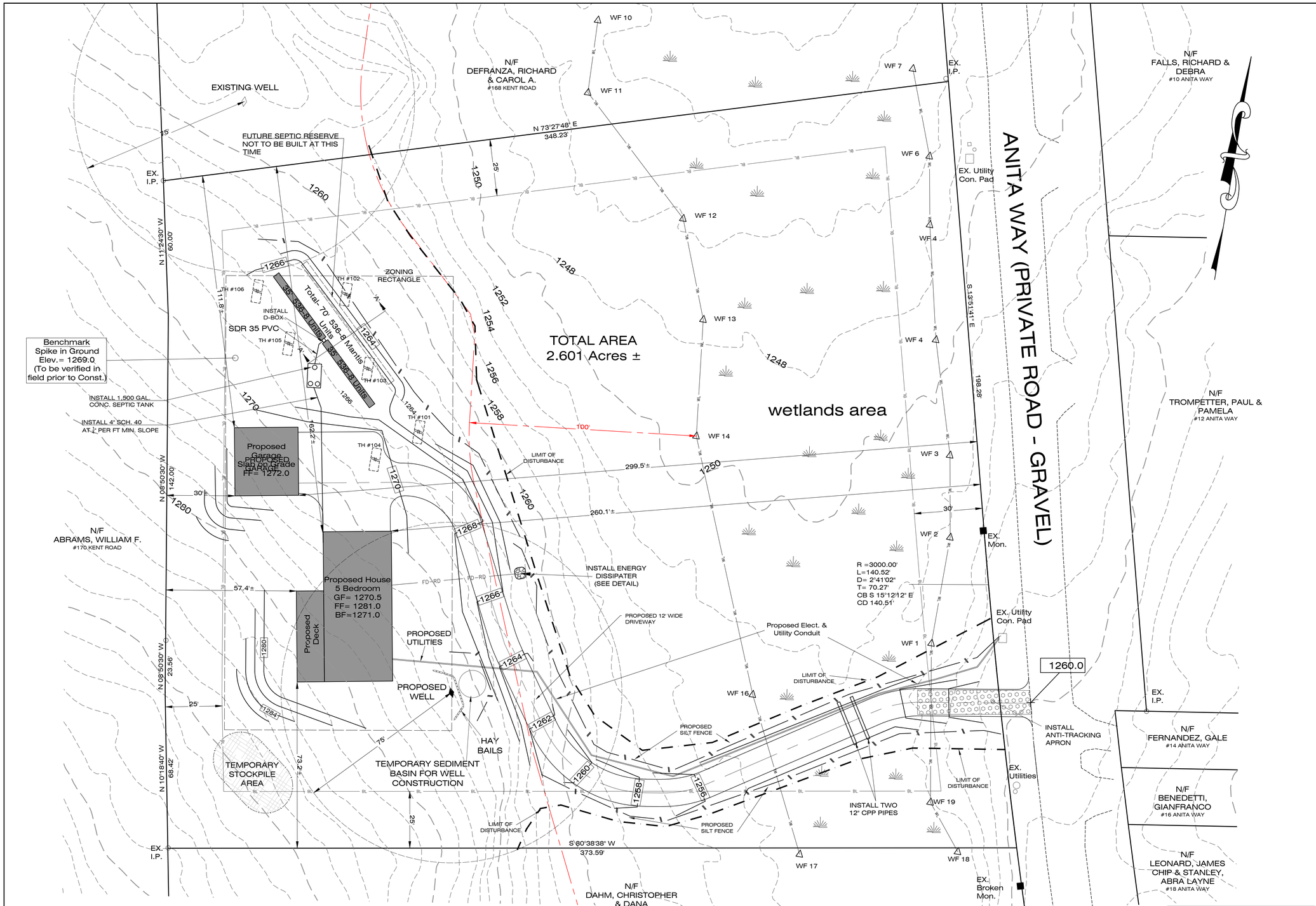


DESIGN DATA:

MLSS CALCULATION

SLOPE = 10-15%
RESTRICTIVE LAYER @ 20'
HENCE HF =28
NUMBER OF BEDROOMS = 5
HENCE FF = 2
PERCOLATION RATE = 1" IN 5-10 MIN.
HENCE PF = 1.0
HF*FF*PF=MLSS
MLSS REQUIRED = 28X 2 X 1.0 = 56'

PRIMARY SYSTEM PREPARATION

REMOVE ALL TOPSOIL FROM PRIMARY SEPTIC SYSTEM AREA. REPLACE WITH CLEAN COARSE SAND TO 1' BELOW SUITABLY COMPACTED FINISHED GRADE. REMAINING FILL TO BE CLEAN, COMMON FILL MATERIAL. REFER TO NOTES.

PRIMARY SYSTEM SPECIFICATIONS

TOTAL EFFECTIVE LEACHING AREA REQUIRED = 660 S.F.
INSTALL 1,500 GAL. SEPTIC TANK (SEE NOTE 4)
INSTALL 70 LINEAR FEET OF MANTIS UNITS, ARRANGED IN SERIES AS SHOWN. DISTRIBUTION BOXES FOR THE UPPER ROW TO BE SET SO THE OUTLET TO THE NEXT LOWER ROW IS WITHIN 0.25 FEET TO THE TOP OF THE UPPER ROW LEACHING STRUCTURE. TOTAL EFFECTIVE AREA PROVIDED = 770 S.F. FOR PROPOSED 5 BEDROOM RESIDENCE.

APPROXIMATE PROPOSED ELEVATIONS

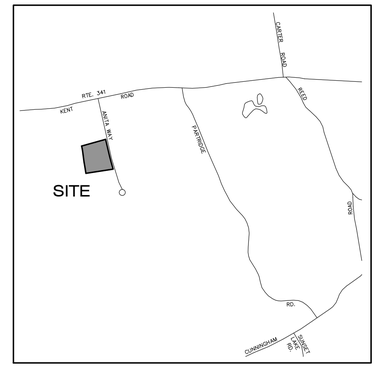
FIRST FLOOR = 1281.0
EFFLUENT LINE AT HOUSE (INVERT) = 1268.75
SEPTIC TANK INLET (INVERT) =1267.05
SEPTIC TANK OUTLET (INVERT) =1266.8
DBOX (INVERT IN) = 1266.7
DBOX (INVERT LAT) = 1266.5
DBOX (INVERT OUT) = -
BOTTOM OF MANTIS = 1265.5 (SEE SECTION A-A)

BENCHMARK

ELEVATION =1269.0
TO BE VERIFIED BY SURVEYOR PRIOR TO CONSTRUCTION.

MAP INFORMATION

PROPERTY LINES BASED ON RM#435B & RM# 775.
TOPOGRAPHY FROM A FIELD SURVEY BY STUART SOMERS CO. LLC



VICINITY MAP

SCALE: 1"=1000'

LEGEND

EXISTING DRAINAGE	BL BL	BUILDING SETBACK LINES		TEST HOLE	SYNTHETIC FILTER BARRIER
WL WL	LIMIT OF INLAND WETLANDS	WETLANDS REVIEW AREA LIMIT		PERCOLATION TEST	GRADE TO DRAIN
	LIMIT OF INLAND WETLANDS	PROPERTY LINE	PT	TEST HOLE	EXISTING SPOT ELEVATION
FD	PROPOSED FOOTING DRAIN	HEDGE	TP	EXISTING WELL	PROPOSED SPOT ELEVATION
RD	PROPOSED ROOF DRAIN	STONEWALL		UTILITY POLE	EXISTING TREE LINE
CD	PROPOSED CURTAIN DRAIN	X X METAL FENCE		HYDRANT	PROPOSED LIMIT OF DISTURBANCE
	PROPOSED WELL	WOOD FENCE			

NOT VALID UNLESS EMBOSSED WITH SEAL OR FIXED WITH THE LIVE STAMP OF THE SIGNATORY.

I hereby declare that the percolation tests shown hereon were conducted in accordance with the current health code of the state of Connecticut by the staff of Stuart Somers Co., LLC unless otherwise noted above. This is in no way a guarantee against failure due to indeterminable circumstances or natural phenomenon beyond the scope of normal investigation

John J. Mack P.E. CT No. 15515

IMPORTANT NOTE:
UNDERGROUND UTILITIES ARE NOT SHOWN
PRIOR TO ANY EXCAVATION OR CONSTRUCTION CONTACT -
"CALL BEFORE YOU DIG" 1-800-922-4455

NO.	DATE	DESCRIPTION

REVISIONS

SUBSURFACE SEWAGE DISPOSAL SYSTEM
ASSESSOR'S MBL 22/56/
26 ANITA WAY
"WARREN HIGHLANDS SUBDIVISION"
WARREN, CONNECTICUT
PREPARED FOR
JEREMY SPATH

20 0 20 40

DATE:	SCALE:	DRAFTER:	JOB NUMBER:	FILE #:
12-07-2023	1"=20'	CS	2261	XXXX

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1/1