

SOILS DATA

TP-A	TP-B
0-12" TOPSOIL	0-14" TOPSOIL
13-29" SANDY LOAM	15-44" SANDY LOAM
30-50" LOAMY SAND TILL	45-50" LOAMY SAND TILL
51-127" SANDY LOAM TILL	51-137" SANDY LOAM TILL
NO LEACH SAND POCKETS	NO LEACH SAND POCKETS
NO GROUNDWATER	NO GROUNDWATER
ROOTS @ 40"	ROOTS @ 36"

PERC TEST

PERFORMED BY STEVE JACOBS ON 3/20/21.
DEPTH: 32"
0:00 13.8"
0:30 13.8"
0:40 15.18"
0:50 16.17"
RATE: 6-10 MIN/IN.

SANITARY DESIGN

NO. OF BEDROOMS: 5
PERCOLATION RATE: 6-10 MIN/IN
ABSORPTION AREA REQUIRED: 660 S.F.
USE 400 GALLON TOILET
USE 400 GALLON SINK
USE 400 GALLON SINK
USE 400 GALLON SINK
USE 400 GALLON SINK
USE 400 GALLON SINK
NO WELLS WITHIN 75' OF SEPTIC SYSTEM
MISLS NEED NOT BE CONSIDERED

SEPTIC SYSTEM ELEVATIONS

TR.1	TR.2
230.20	229.40
230.70	229.90
231.20	229.90
231.80	229.90
232.05	229.90
232.95	229.90
247.00	229.90
249.24	229.90
249.33	229.90

MAINTAIN A MINIMUM OF 5' SEPARATING DISTANCE FROM ANY PART OF SEPTIC SYSTEM AND UNDERGROUND UTILITY TRENCH.
ANY UNDERGROUND UTILITY TRENCH 5'-25' FROM SEPTIC SYSTEM SHALL NOT BE BACK FILLED WITH FREE DRAINING MATERIAL.

THE LIQUID CAPACITY OF A SEPTIC TANK SHALL BE INCREASED WHENEVER A RESIDENTIAL BUILDING CONTAINS A GARBAGE GRINDER OR LARGE CAPACITY BATH/TUB IN ACCORDANCE WITH THE FOLLOWING:

- ADD 250 GALLONS TO REQUIRED CAPACITY OF SEPTIC TANK
- GARBAGE GRINDERS NOT RECOMMENDED FOR USE WITH SURFACE SEWAGE DISPOSAL SYSTEMS.
- LARGE TUB: ADD 250 GALLONS TO REQUIRED CAPACITY OF THE SEPTIC TANK
- OVER 200 GALLON TUB: ADD 500 GALLONS TO REQUIRED CAPACITY OF THE SEPTIC TANK

ALL MATERIALS AND CONSTRUCTION METHODS FOR INSTALLATION OF SEPTIC SYSTEM TO BE USED SHALL BE AS SET FORTH IN THE SEPTIC TANK DESIGN MANUAL. ANY CHANGES FOR SURFACE DISPOSAL SYSTEMS REVISED JANUARY 1, 2011 AND DESIGN MANUAL SURFACE DISPOSAL SYSTEMS FOR HOUSEHOLDS AND SMALL COMMERCIAL BUILDINGS DATED JULY 1998.

LEACHING AREA TO BE STRIPPED OF TOPSOIL AND ANY OTHER UNSUITABLE MATERIAL AND FILLED WITH "SELECT FILL MATERIAL" LAD IN 6" LIFTS. FILL MATERIAL BETWEEN AND BEYOND TRENCHES TO BE GOOD QUALITY CLEAN MEDIUM SANDS WITH LESS THAN 3% FINES PASSING #40 SIEVE. SANDS SHALL BE PLACED IN 6" LIFTS TO BE MAINTAINED BETWEEN BOTTOM OF LEACHING SYSTEM AND RESTRICTIVE LAYER.

"SELECT FILL MATERIAL" AND "SELECT BACK FILL MATERIAL" PLACED WITHIN AND ADJACENT TO PROPOSED LEACHING AREAS SHALL BE COMPRISED OF CLEAN SAND AND GRAVEL, FREE FROM ORGANIC MATTER AND FOREIGN SUBSTANCES. THE FILL MATERIAL SHALL MEET THE FOLLOWING REQUIREMENTS: 1. THE FILL SHALL NOT CONTAIN ANY MATERIAL LARGER THAN THREE (3) INCHES. 2. UP TO 45% OF THE DRY WEIGHT OF THE REPRESENTATIVE SAMPLE MAY BE RETAINED ON THE #4 SIEVE (THIS IS THE GRAVEL PORTION OF THE SAMPLE). 3. THE REMAINING SAMPLE SHALL MEET THE FOLLOWING GRADATION CRITERIA:

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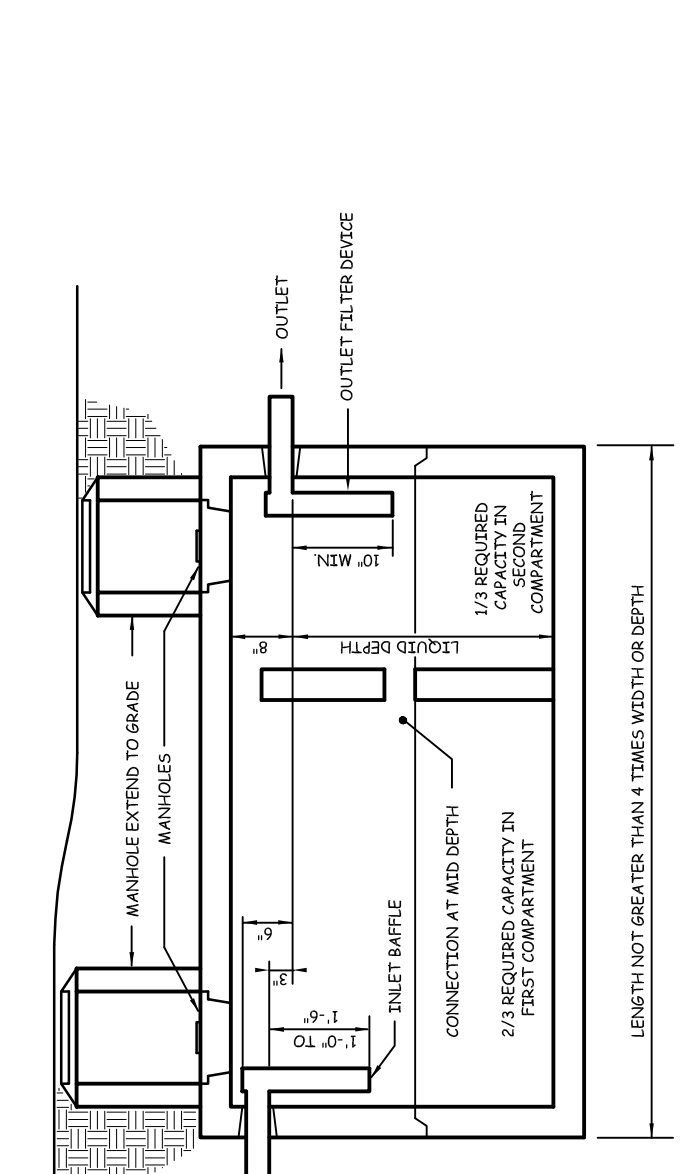
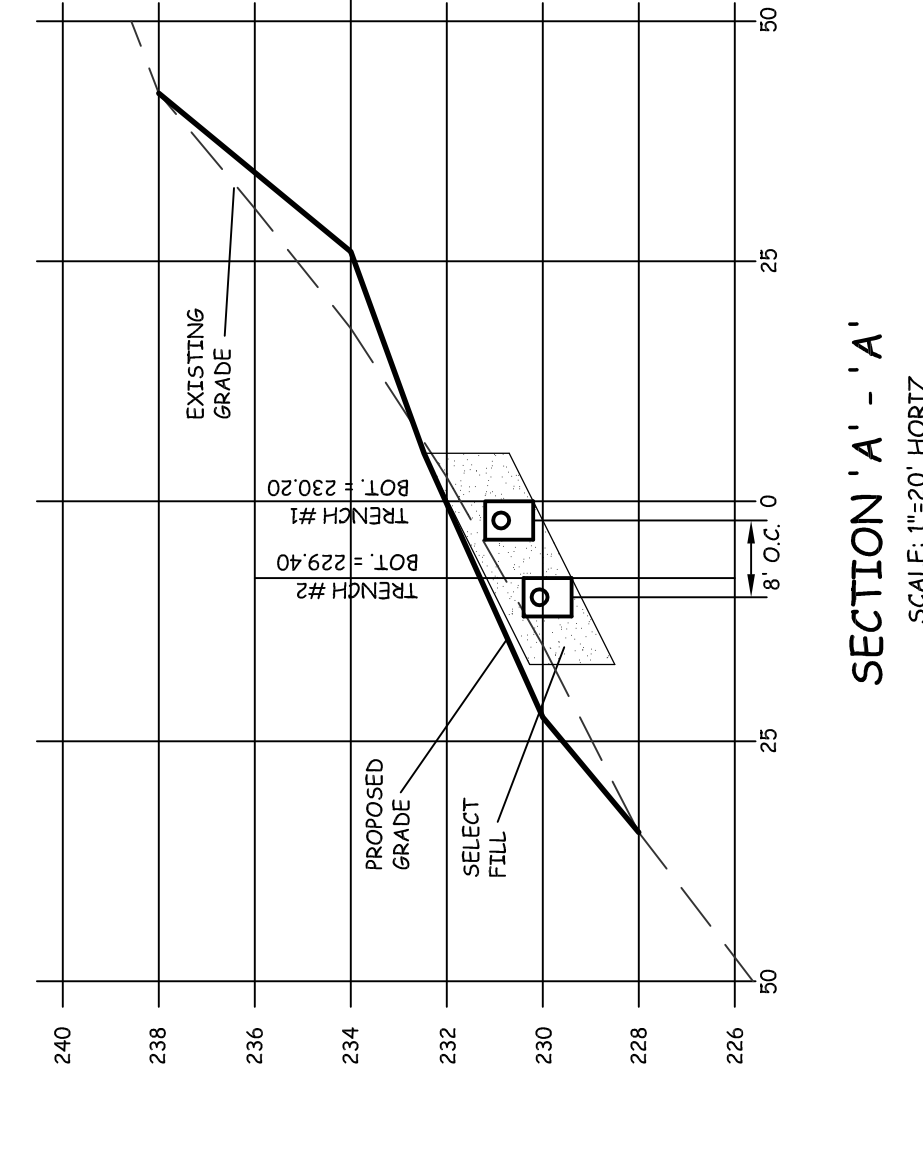
SIEVE SIZE	WET WEIGHT	PERCENT PASSING	DRY WEIGHT
#4	100	100	100
#10	70-100	70-100	70-100
#40	10-50*	10-75	10-75
#100	0-20	0-5	0-5
#200	0-5	0-2.5	0-2.5

*NOTE: PERCENT PASSING THE #40 SIEVE CAN BE INCREASED TO NO GREATER THAN 75% IF THE PERCENT PASSING THE #100 SIEVE DOES NOT EXCEED 10% AND THE #200 SIEVE DOES NOT EXCEED 5%. THE RESPONSIBILITY FOR THE PREPARATION OF A LEACHING AREA UTILIZING "SELECT MATERIAL" IS THAT OF THE LICENSED INSTALLER. THE INSTALLER SHALL TAKE THE NECESSARY STEPS TO PROTECT THE UNDERLYING NATURALLY OCCURRING SOILS FROM OVERCOMPACTION AND SILTATION ONCE EXPOSED. BENCHMARK TO BE SET AT TIME OF FOUNDATION STAKE OUT.

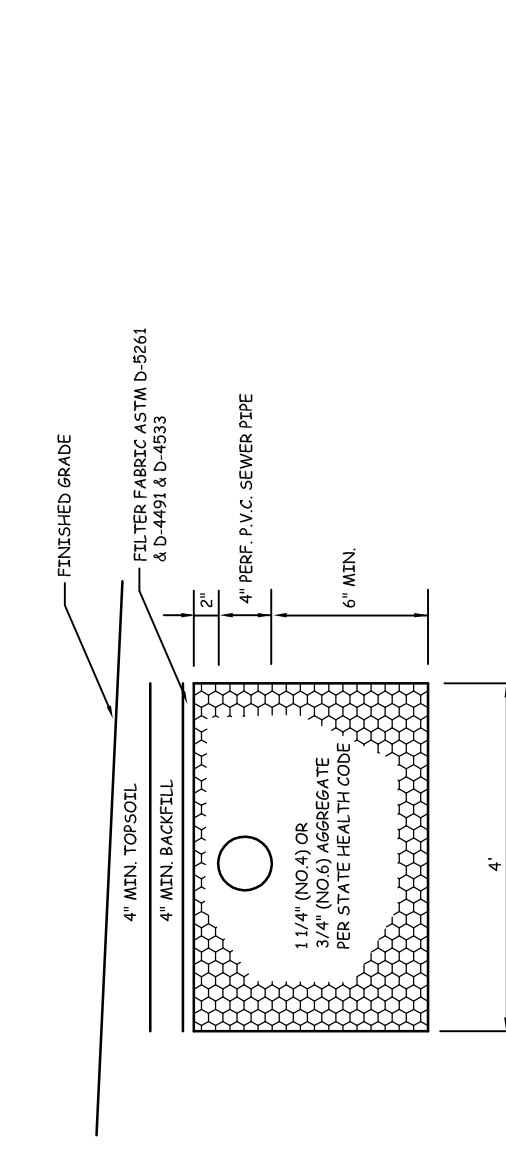
EROSION & SEDIMENTATION CONTROLS TO BE THE RESPONSIBILITY OF JASON HACKETT XXX-XXX-XXXX.

IF TOP OF THE TANK IS OVER 1' BELOW THE FINISHED GRADE THE RISERS ARE REQUIRED FOR THE INLET AND OUTLET ACCESS PORTS.

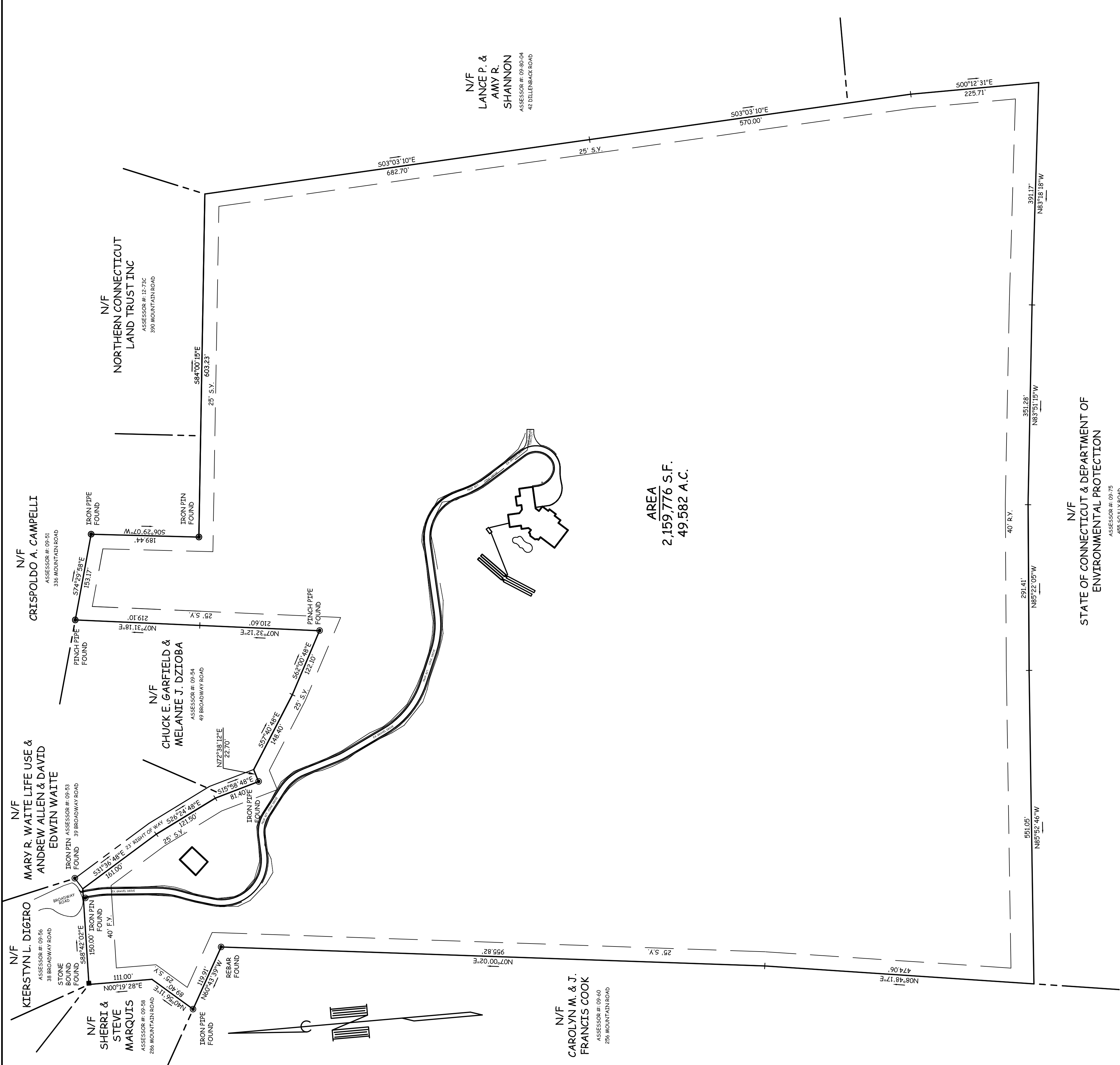
DESIGN ENGINEER TO STATE THE LOCATION OF THE SEPTIC TANK AND LEACH FIELD WITH ELEVATIONS.



1250 GALLON
NOT TO SCALE



TYPICAL ABSORPTION TRENCH
NOT TO SCALE



Certified substantially correct:

John R. Morlucci P.E. # 19494

BOUNDARY MAP
SCALE: 1" = 100'

N/F
STATE OF CONNECTICUT & DEPARTMENT OF ENVIRONMENTAL PROTECTION
ASSESSOR # 09-75
495 SOLEY ROAD

LOT PLAN
44 BROADWAY ROAD
PREPARED FOR
KRL BUILDERS
PROPERTY OF
JASON HACKETT
SOMERS, CONN.

ABSHLIMAN LAND SURVEYING, PC
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