

LEGEND

EXISTING FIELD TOPOGRAPHIC SURVEY CONTOUR	156
PROPOSED CONTOUR	155.5
PROPOSED ELEVATION	155.5
EXISTING FIELD TOPOGRAPHIC SURVEY ELEVATION	129.4
EXISTING TREELINE	(Symbol)
PROPOSED TREELINE	(Symbol)
PROPOSED SILT FENCE	(Symbol)
LIMIT OF WETLANDS	(Symbol)
EXISTING BARBED WIRE FENCE	(Symbol)
EXISTING IRON PIN	(Symbol)
EXISTING STONEWALL	(Symbol)
PROPOSED WELL	(Symbol)
EXISTING STONEWALL	(Symbol)

AREA
2,159,776 S.F.
49.582 A.C.

NOTE:
THE EDGE OF CLEARING IN THIS AREA,
TO BE SUPPLEMENTED, AS NEEDED,
WITH NATIVE TREES OR SHRUBS,
TOGETHER WITH PERMANENT MARKERS
ALONG THE WETLANDS LIMIT.

This parcel contains inland wetlands and/or watercourses. Any activity in or around these areas must be consistent with Connecticut General Statutes Sections 22a-36 through 22a-45 and the Somers Inland Wetlands and Watercourses Regulations, which are presently enforced by the Somers Conservation Commission.

I DELINEATED THE INLAND WETLAND AND WATERCOURSE BOUNDARY ON THIS PROPERTY. I AM OF THE OPINION THAT THE WETLAND BOUNDARY WHICH I MARKED ON THIS PROPERTY IS SHOWN CORRECTLY ON THIS MAP.

R. Richard Snarski
R. RICHARD SNARSKI, SOIL SCIENTIST
3-19-22 DATE

NOTE: VERIFY ALL UTILITY LOCATIONS IN THE FIELD PRIOR TO START OF ANY WORK (SEE NOTE BELOW).

WARNING: THESE PLANS NOT TO BE USED FOR LOCATION OF UNDERGROUND UTILITIES - CALL BEFORE YOU DIG 1-800-922-4455 OR 811 TWO WORKING DAYS BEFORE YOU DIG.

REFERENCE MADE TO MAP TITLED:

1. "ALTERNATE 'A' EROSION & SEDIMENT CONTROL & DRIVEWAY GRADING PLAN PREPARED FOR ROBERT GINGRAS BROADWAY ROAD SOMERS, CONN." SCALE: 1"=50' DATE: 4/2/95 REV. 4/4/95 SILT FENCE REV. 4/10/95 CULVERT/FIN GRADE REV. 4/19/95 WETLANDS. PROJECT NO. 5216 PREPARED BY SREENATH & REHMER CIVIL ENGINEERS & LAND SURVEYORS.

2. "BOUNDARY SURVEY PREPARED FOR ALTON P. GOSSELIN BROADWAY ROAD SOMERS, CT" SCALE: 1"=100' DATE: 10/11/93 PREPARED BY JEFFREY BORD CIVIL ENGINEER & LAND SURVEYOR ENFIELD, CONNECTICUT

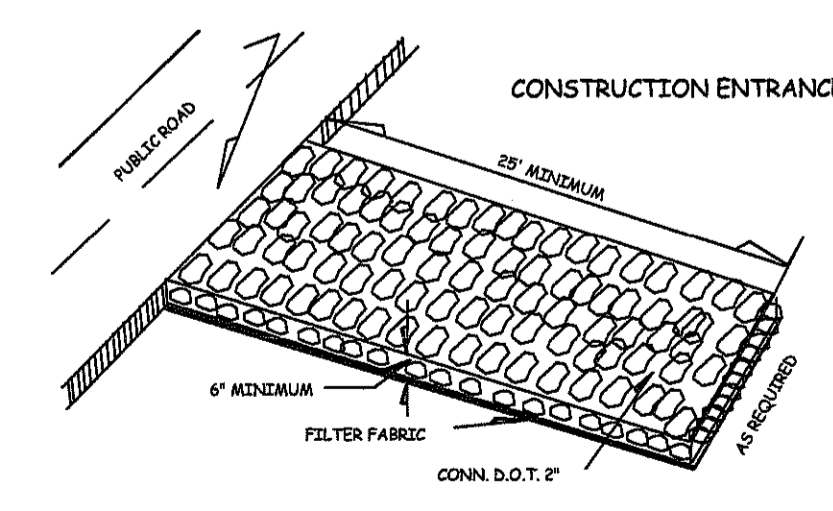
TYPE OF SURVEY: ZONING LOCATION
BOUNDARY DETERMINATION CATEGORY: DEPENDENT RESURVEY
CLASS OF ACCURACY: A-2, T-2

TO MY KNOWLEDGE AND BELIEF, THIS MAP IS SUBSTANTIALLY CORRECT AS NOTED HEREON. THIS SURVEY WAS PREPARED PURSUANT TO THE REGULATIONS OF CONNECTICUT STATE AGENCIES SECTION 20-300b-1 THROUGH 20-300b-20 AND THE "STANDARDS FOR SURVEYS AND MAPS IN THE STATE OF CONNECTICUT" AS ADOPTED BY THE CONNECTICUT ASSOCIATION OF LAND SURVEYORS, INC., ON SEPTEMBER 26, 1996.

Sands E. Aeschliman
SANDS E. AESCHLIMAN L.S. # 14201
NOT VALID WITHOUT EMBOSSED SEAL

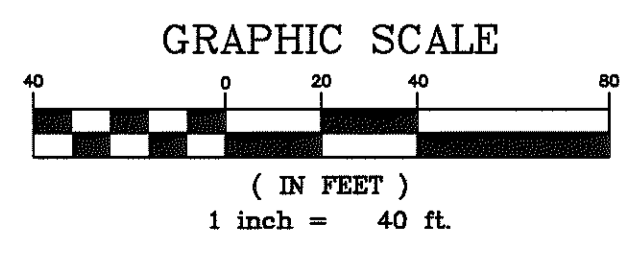
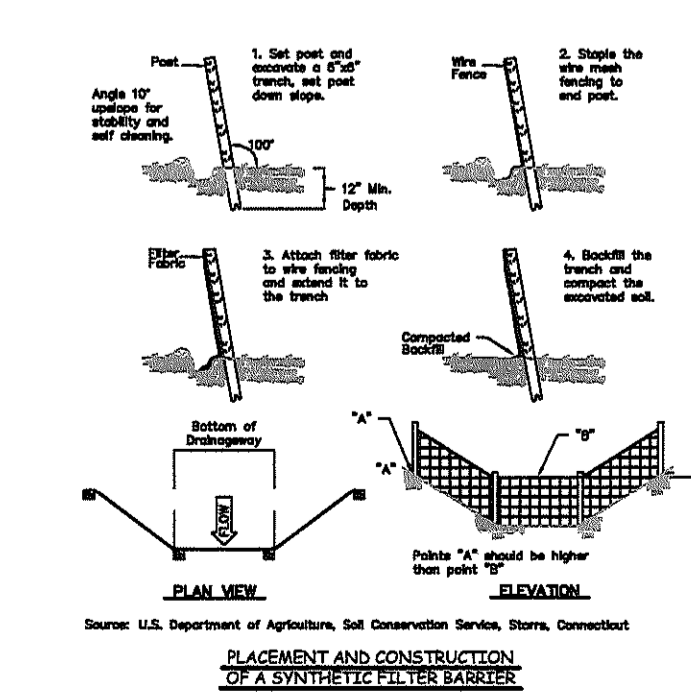
Certified substantially correct:

John R. Martucci
John R. Martucci P.E. # 19494



CONSTRUCTION SEQUENCE

1. INSTALL SILT FENCE
2. INSTALL CONSTRUCTION ENTRANCE
3. CONSTRUCT HOME & SEPTIC SYSTEM
4. REVEGETATE DISTURBED AREAS PER 2002 CONNECTICUT GUIDELINES FOR SOIL EROSION & SEDIMENTATION CONTROL
5. REMOVE SILT FENCE



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

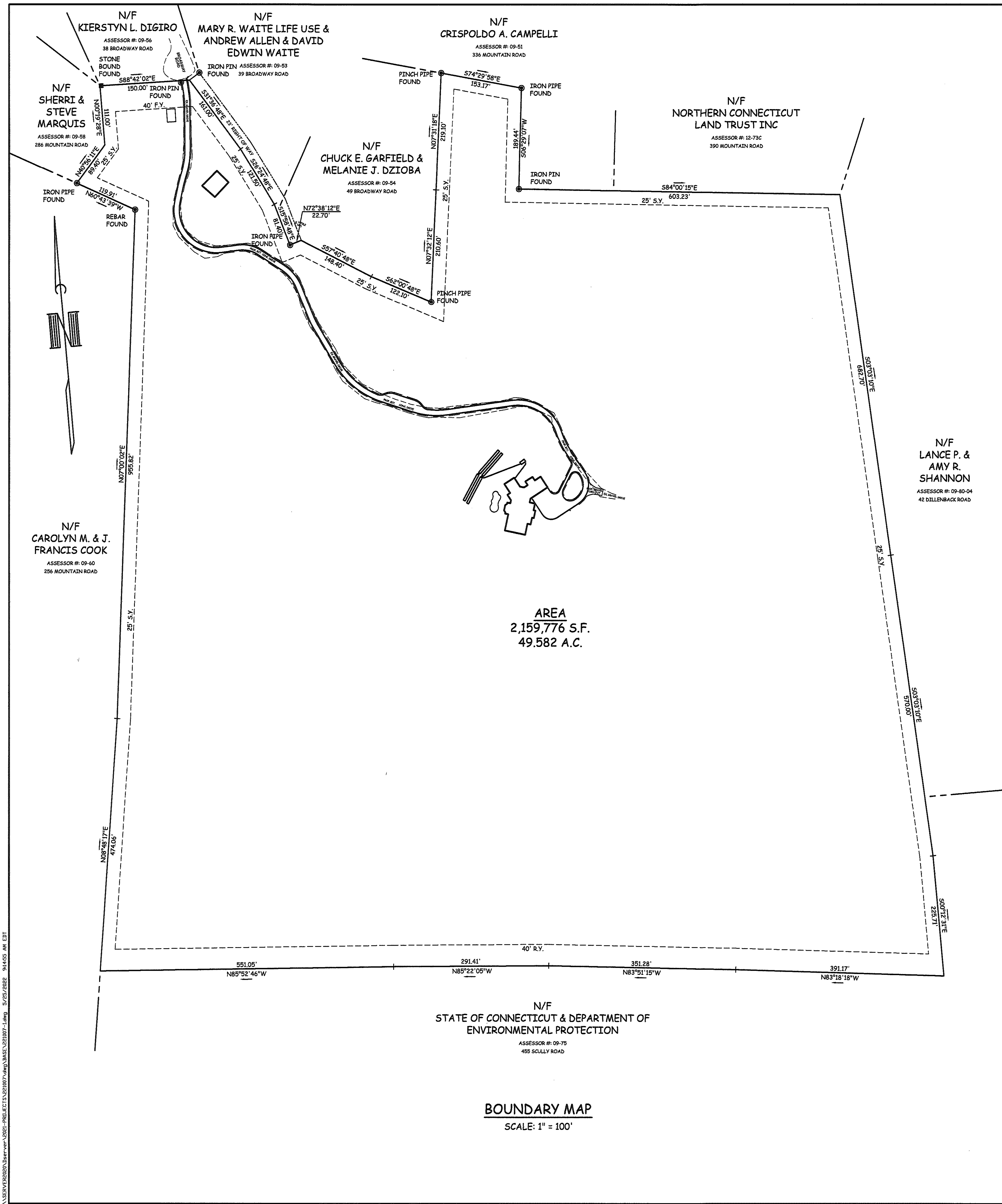
REV. 5-22-22 TOWN COMMENTS, ADD'L CROSSINGS

AESCHLIMAN LAND SURVEYING, PC

1379 MAIN STREET
EAST HARTFORD, CONN. 06108
(860)-528-4881

OWNER OF RECORD: JASON HACKETT
236 DURKEE ROAD
SOMERS, CT 06071
ASSESSOR #: 09-55
ZONE: A-1

DATE: 4-19-22 SCALE: 1"=40' MAP NO. 221007-1
SHEET 1 OF 2



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
51-120" SANDY LOAM TILL	51-123" SANDY LOAM TILL
W/LOAMY SAND POCKETS	W/LOAMY SAND POCKETS
NO LEACH	NO LEACH
NO GROUNDWATER	NO GROUNDWATER
ROOTS @ 60"	ROOTS @ 36"

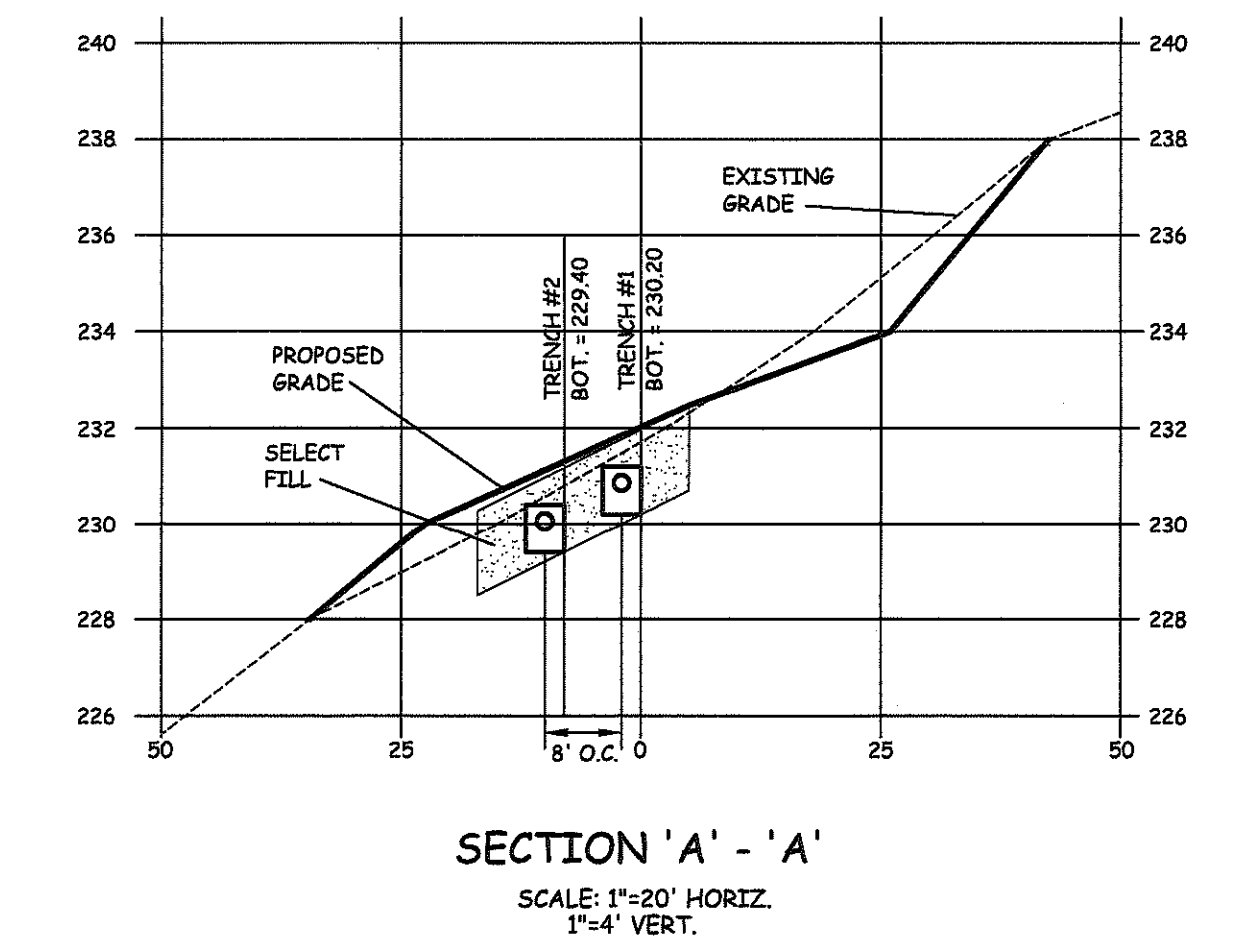
PERC TEST
 PERFORMED BY STEVE JACOBS ON 3/30/21
 DEPTH: 32"
 0:10 5 3/8"
 0:20 10 1/8"
 0:30 13"
 0:40 15 1/8"
 0:50 16 1/2"
 RATE: 6-10 MIN./IN.

SANITARY DESIGN

NO. OF BEDROOMS - 5
 PERCOLATION RATE - 6-10 MIN./IN.
 ABSORPTION AREA REQUIRED - 660 S.F.
 USE 4" WIDE TRENCHES
 USE 4 ROWS @ 25' I.F. = 660 S.F. PROVIDED
 USE 1250 GALLON SEPTIC TANK
 NO WELL WITHIN 75' OF SEPTIC SYSTEM
 MLSS NEED NOT BE CONSIDERED

SEPTIC SYSTEM ELEVATIONS

	TR 1	TR 2
BOTTOM OF TRENCH	230.20	229.40
F.L. DISTRIBUTION LINE	230.70	229.90
DISTRIBUTION BOX OUTLET	230.87	229.90
DISTRIBUTION BOX INLET	230.95	229.98
SEPTIC TANK INLET	231.80	
SEPTIC TANK OUTLET	232.05	
F.L. PVC @ FDN. WALL	232.95	
TOP OF FDN. WALL	248.00	
GARAGE FLOOR	247.00	
BASEMENT FLOOR	239.33	
FIRST FLOOR	249.2±	



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 BATHTUB IN ACCORDANCE WITH THE FOLLOWING:
GARBAGE GRINDER
 ADD 250 GALLONS TO REQUIRED CAPACITY OF SEPTIC TANK
GARBAGE GRINDERS NOT RECOMMENDED FOR USE WITH SUBSURFACE SEWAGE DISPOSAL SYSTEMS.

LARGE TUB:
 100 TO 200 GALLON 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 CONFORM TO CONNECTICUT PUBLIC HEALTH CODE REGULATION AND TECHNICAL STANDARDS FOR SUBSURFACE DISPOSAL SYSTEMS REVISED JANUARY, 1, 2011 AND DESIGN MANUAL SUBSURFACE 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" LAID IN 6" LIFTS, FILL MATERIAL BETWEEN AND BEYOND TRENCHES TO BE GOOD QUALITY, CLEAN MEDIUM SAND WITH LESS THAN 5% FINES PASSING THROUGH A #200 SIEVE. A PERCOLATION TEST IN FILL MATERIAL IS REQUIRED AFTER FILL IS PLACED AND PRIOR TO SEPTIC SYSTEM INSTALLATION. A MINIMUM DISTANCE OF 18" 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 UNLESS OTHERWISE APPROVED BY A PROFESSIONAL ENGINEER FOR USE WITHIN THE LEACHING AREA:

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 MATERIAL THAT PASSES THE #4 SIEVE IS THEN REWEIGHED AND THE SIEVE ANALYSIS STARTED.
4. THE REMAINING SAMPLE SHALL MEET THE FOLLOWING GRADATION CRITERIA:

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

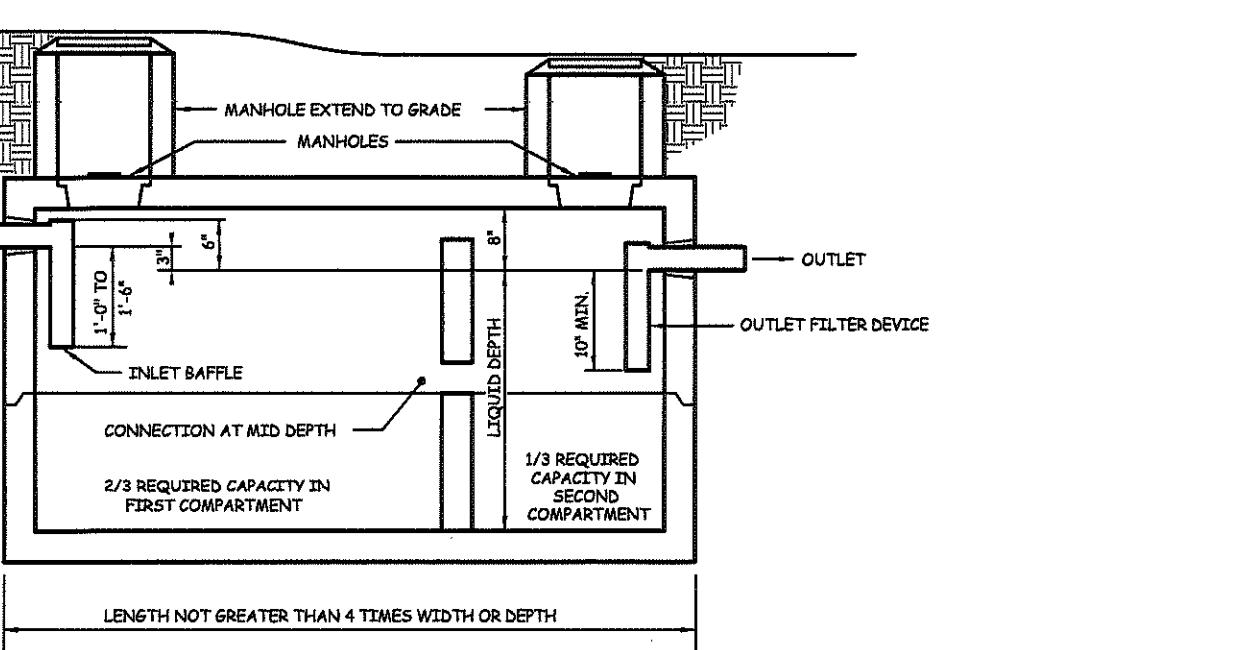
THE RESPONSIBILITY FOR THE PREPARATION OF A LEACHING AREA UTILIZING "SELECT MATERIAL" IS THAT OF THE LICENSED INSTALLER. THE INSTALLER SHALL TAKE THE NECESSARY STEPS TO PROTECT THE UNDERLYING NATURALLY OCCURRING SOILS FROM OVERCOMPACTION AND SILTATION ONCE EXPOSED.

BENCHMARK TO BE SET AT TIME OF FOUNDATION TAKE-OUT.

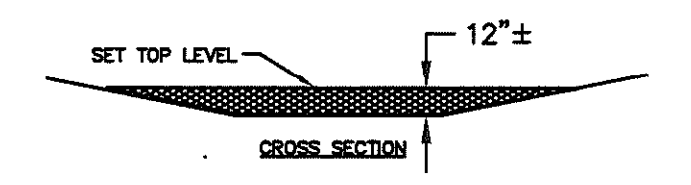
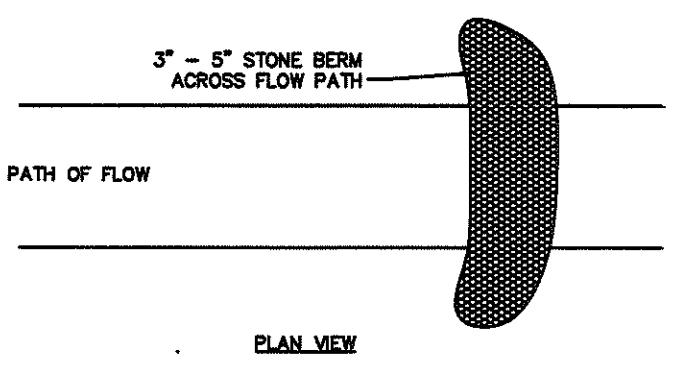
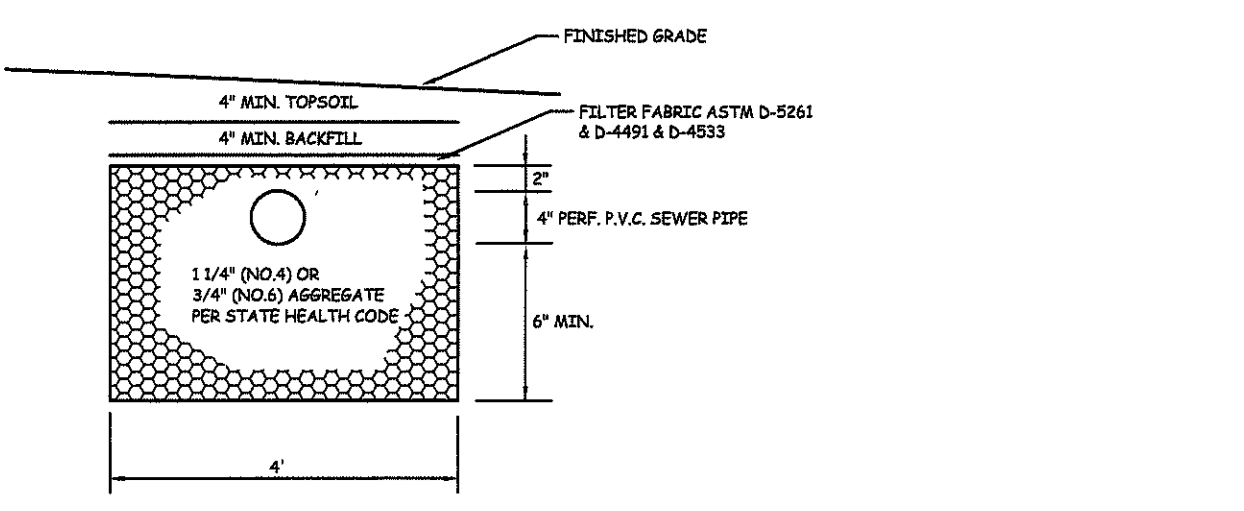
EROSION & SEDIMENTATION CONTROLS TO BE THE RESPONSIBILITY OF JASON HACKETT 413-313-4188.

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 STAKE THE LOCATION OF THE SEPTIC TANK AND LEACH FIELD WITH ELEVATIONS.



LENGTH NOT GREATER THAN 4 TIMES WIDTH OR DEPTH



INSTALL STONE CHECK DAMS IN EXISTING DRAINAGE SWALES WHERE FLOW VELOCITIES CAUSE EROSION. WHERE CONCENTRATED FLOWS EXCEED 100 FEET IN LENGTH, INSTALL CHECK DAM AT 100' ON CENTER.

STONE CHECK DAM
NOT TO SCALE

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

REV. 5-22-22 TOWN COMMENTS, ADD'L CROSSINGS

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DATE: 4-19-22 SCALE: 1" = 100' MAP NO. 221007-1
 SHEET 2 OF 2