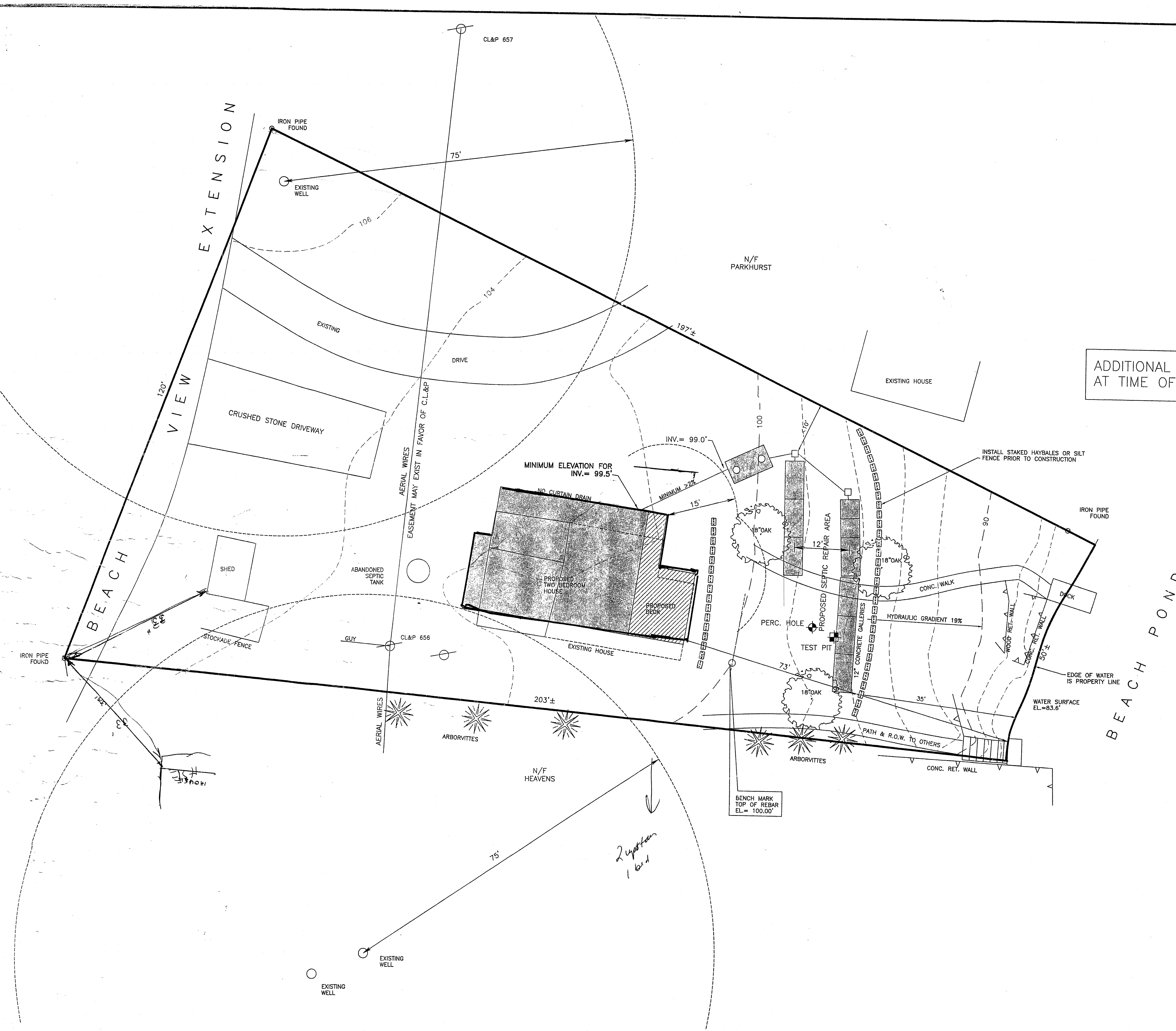


LOCATION PLAN

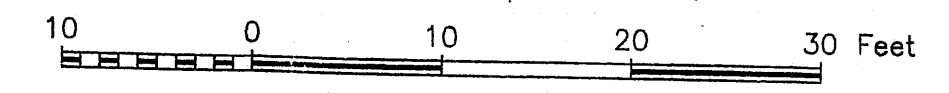
ADDITIONAL TEST PIT REQUIRED AT TIME OF FOUNDATION EXCAVATION



- NOTES:
- This survey has been prepared pursuant to the Regulations of Connecticut State Agencies Sections 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;  
- Survey Type: IMPROVEMENT LOCATION SURVEY
  - Not valid without a live signature and embossed seal.
  - PROPERTY LINE PER MAP "SURVEY PLAN SHOWING PROPERTY OF OLA T. COLLINS BEACH VIEW EXTENSION VOLUNTOWN CONN, 1"=20' JUNE, 87 87-916 BY ROLAND HARRIS"

LEGEND

	UTILITY POLE
	CONTOUR
	INDEX CONTOUR



**ERIC SEITZ LAND SURVEYING, INC.**  
 Eric Seitz, L.S.  
 P.O. Box 199  
 Jewett City, CT 06331  
 (860) 378-3549

To my knowledge and belief, this map is substantially correct as noted herein.  
*Eric Seitz* 9-23-16  
 ERIC SEITZ, Conn. L.S. #18856



**IMPROVEMENT LOCATION SURVEY**  
 PREPARED FOR  
**PHILIP BELISLE**  
 14 BEACH VIEW EXTENSION ROAD  
 VOLUNTOWN CONNECTICUT  
 SCALE 1"= 10' SEPTEMBER 2010  
 SHEET 1 OF 2  
 REV. 9-16-2010

**SOIL EROSION AND SEDIMENT CONTROL NARRATIVE**

**PROJECT DESCRIPTION**

TWO BEDROOM HOUSE TO BE CONSTRUCTED ON A 1/2± ACRE LOT, WITH SEPTIC REPAIR AREA AND EXISTING WELL.

**CONSTRUCTION SEQUENCE**

- CUT SMALL TREES AND CLEAR BRUSH.
- INSTALLATION OF SEDIMENT BARRIERS.
- CLEARING AND GRUBBING AS REQUIRED.
- STRIP AND STOCKPILE TOPSOIL WITHIN LIMITS OF DISTURBED AREA AND ENCOMPASS WITH STAKED HAYBALES OR SILT FENCE.
- CONSTRUCTION OF HOUSE AND SEPTIC SYSTEM.
- FINAL GRADING AND LANDSCAPING.

**OPERATIONS AND MAINTENANCE**

- ALL PROPOSED WORK SHALL CONFORM TO "CONN. GUIDELINES FOR SOIL EROSION AND SEDIMENT CONTROL" BY THE CONN. COUNCIL OF SOIL AND WATER CONSERVATION AND TOWN REGULATIONS.
- THE CONTRACTOR SHALL PLAN ALL LAND DISTURBING ACTIVITIES IN A MANNER AS TO MINIMIZE THE EXTENT OF THE DISTURBED AREAS.
- PRIOR TO CONSTRUCTION OR EXCAVATION, SEDIMENT BARRIERS SHALL BE INSTALLED IN LOCATIONS AS SHOWN ON THE PLAN OR AS REQUIRED BY THE TOWN OF VOLUNTOWN AND MAINTAINED THROUGHOUT CONSTRUCTION.
- DAILY INSPECTIONS SHALL BE MADE OF EROSION AND SEDIMENT CONTROL MEASURES TO INSURE EFFECTIVENESS AND IMMEDIATE CORRECTIVE ACTION SHALL BE TAKEN IF FAILURE OCCURS.
- EROSION AND SEDIMENT CONTROL MEASURES SHALL REMAIN IN PLACE UNTIL DISTURBED AREAS HAVE BEEN STABILIZED AND VEGETATIVE COVER HAS BEEN ESTABLISHED.
- DISTURBED AREAS SHALL BE FINAL GRADED AS SOON AS POSSIBLE AFTER EXCAVATION. FINAL GRADING SHALL INCLUDE REMOVAL OF LARGE ROCKS, STUMPS AND OTHER DEBRIS FROM THE FINISHED SURFACE. UPON FINAL GRADING, DISTURBED AREAS SHALL BE LOAMED (4" MIN.) WITH PREVIOUSLY STOCKPILED MATERIAL AND SEEDED WITH PERENNIAL FINE TEXTURED GRASSES AT THE RATE OF 2 LBS PER 1000 SQ.FT.
- PRIOR TO SEEDING, APPLY LIMESTONE AT THE RATE OF 90 LBS PER 1000 SQ.FT. AND FERTILIZE WITH 10-10-10 AT THE RATE OF 7.5 LBS PER 1000 SQ.FT. AND WORK 4" INTO SOIL.
- IMMEDIATELY AFTER SEEDING, MULCH THE SEEDING AREA WITH HAY OR STRAW AT THE RATE OF 100 LBS PER 1000 SQ.FT. AND ANCHOR WITH TRACK OR MULCH ANCHORING MACHINE.
- IT SHALL BE THE RESPONSIBILITY OF THE OWNER OF THIS PROPERTY TO IMPLEMENT THIS EROSION AND SEDIMENT CONTROL PLAN. THIS RESPONSIBILITY INCLUDES THE INSTALLATION AND MAINTENANCE OF THE EROSION CONTROL MEASURES, INFORMING ALL PARTIES ENGAGED ON THE CONSTRUCTION SITE OF THE REQUIREMENTS AND OBJECTIVES OF THIS PLAN, NOTIFYING THE PLANNING COMMISSION OF ANY TRANSFER OF THIS RESPONSIBILITY AND FOR CONVEYING A COPY OF THIS EROSION AND SEDIMENT CONTROL PLAN IF TITLE TO THE LAND IS TRANSFERRED.

**SANITARY DESIGN CRITERIA**

- PROPOSED TWO BEDROOM HOUSE. NO TUBS GREATER THAN 100 GALLONS IN SIZE.
- 1,000 GALLON TWO COMPARTMENT SEPTIC TANK REQUIRED BY CODE AND PROVIDED.
- DESIGN PERCOLATION RATE: 5.0 MIN./IN.
- MINIMUM LEACHING SYSTEM SPREAD  
 $HF = 14$ , RESTRICTIVE LAYER = 48", HYDRAULIC GRADIENT 19.0%  
 $FF = 1.0$  TWO BEDROOM HOME  
 $PF = 1.2$  PERC. RATE 5.0 MIN./IN.  
 $MLSS = HF \times FF \times PF = 14 \times 1.0 \times 1.2 = 16.8'$   
 MLSS PROVIDED = 18'
- EFFECTIVE LEACHING REPAIR AREA REQUIRED PER CODE: 375 S.F.  
 12" HIGH X 48" WIDE GALLERY LEACHING SYSTEM DESIGN.  
 EFFECTIVE LEACHING AREA PROVIDED PER L.F. PER CODE: 5.9 S.F.  
 MINIMUM LENGTH OF TRENCH REQUIRED:  $375 \text{ S.F.} / 5.9 \text{ S.F./L.F.} = 63.56'$
- EFFECTIVE LEACHING REPAIR AREA PROVIDED:  
 1 - 24' LONG ROW, 1 X 24' X 5.9 S.F./L.F. = 141.6 S.F.  
 1 - 40' LONG ROW, 1 X 40' X 5.9 S.F./L.F. = 236.0 S.F.  
 377.6 S.F.

**TEST PIT OBSERVATIONS**  
MADE BY AL GOSSELIN ON 7-19-2008

T/P A  
 0-6" TOPSOIL  
 6-32" BROWN MEDIUM SANDY LOAM  
 32-72" GREY MED. SILTY SAND  
 MOTTLING @ 48"  
 NO WATER  
 NO LEDGE  
 ROOTS @ 48"

**PERC. TEST OBSERVATIONS**  
MADE BY AL GOSSELIN ON 7-19-2008  
PERCOLATION RATE 5 MINUTES PER INCH

DEPTH=19"	TIME	READING
HOLE # 1	9:30	2.5"
	9:35	11.5"
	9:40	15"
	9:45	2.5"
	9:50	8.0"
	9:55	13.0"
	10:00	15.5"

**GENERAL NOTES:**

1. TOPSOIL OR ORGANIC MATERIAL BELOW THE TOP OF THE LEACHING SYSTEM SHALL BE REPLACED WITH SELECT FILL. "SELECT FILL MATERIAL" PLACED WITHIN AND ADJACENT TO PROPOSED LEACHING AREAS SHALL BE COMPRISED OF CLEAN SAND AND GRAVEL, FREE FROM ORGANIC MATERIAL AND DELETERIOUS SUBSTANCES. THE FILL MATERIAL SHALL MEET THE FOLLOWING REQUIREMENTS UNLESS OTHERWISE APPROVED BY A PROFESSIONAL ENGINEER FOR USE WITHIN THE LEACHING AREA:

- THE FILL SHALL NOT CONTAIN ANY MATERIAL LARGER THAN THREE INCHES.
- 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.
- THE MATERIAL THAT PASSES THE #4 SIEVE IS THEN REWEIGHED AND THE SIEVE ANALYSIS STARTED.
- THE REMAINING SAMPLE SHALL MEET THE FOLLOWING GRADUATION CRITERIA:

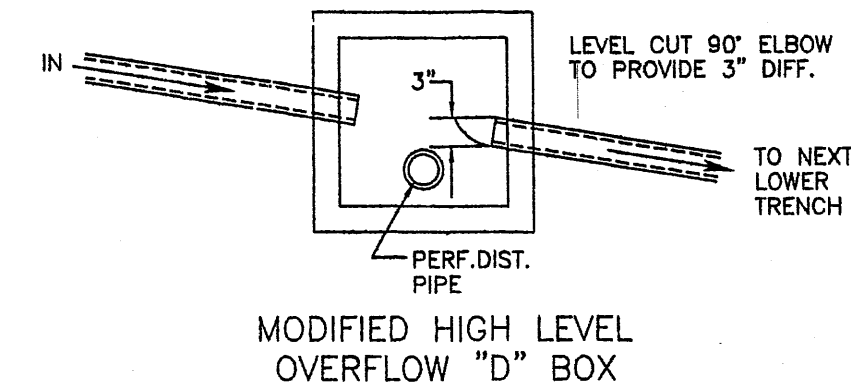
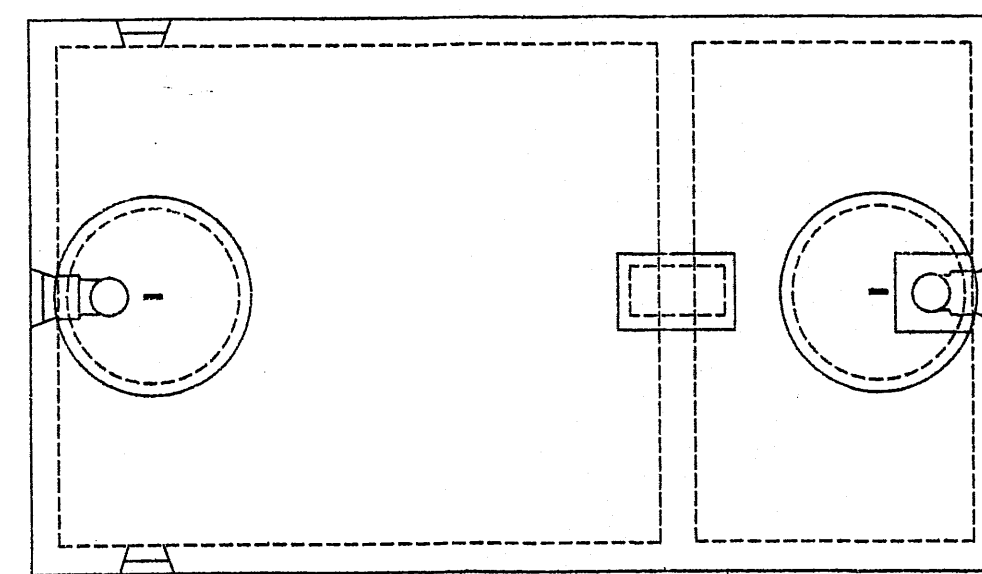
SIEVE SIZE	PERCENT PASSING
#4	100%
#10	0%-100%
#40	0%-50%
#100	0%-20%
#200	0%-5%

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 SILTATION ONCE EXPOSED.

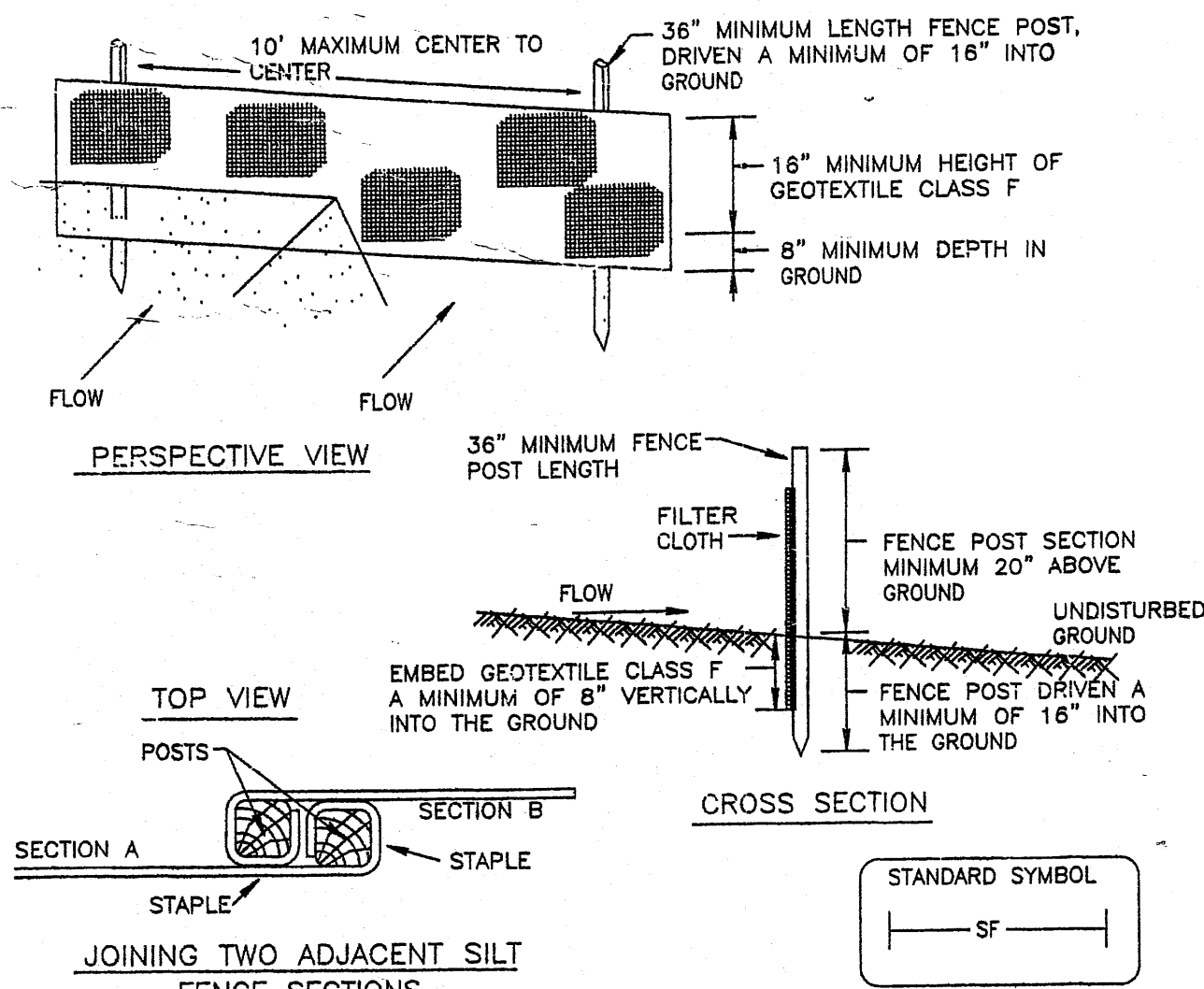
- FOUNDATION DRAINAGE AND THE FOUNDATION OUTLET DRAIN SHALL BE LOCATED A MINIMUM DISTANCE OF 25' FROM THE SEPTIC SYSTEM. A RODENT PROOF COVER SHALL BE PROVIDED AT THE FOUNDATION OUTLET DRAIN AT "DAYLIGHT".
- RISERS ARE TO BE INSTALLED IF THERE IS MORE THAN 12" OF COVER OVER TANK CLEANOUTS.
- THE OWNER IS RESPONSIBLE TO SEEK PRIOR AUTHORIZATION FROM ALL TOWN AGENCIES PRIOR TO START OF CONSTRUCTION.
- INSTALLER TO COMPLETE AND SUBMIT CHECKLIST.
- INSTALLER TO SET UP APPOINTMENT FOR FINAL INSPECTION AND BE PRESENT WITH LEVEL SET UP SO THAT ELEVATIONS MAY BE VERIFIED, OTHERWISE, AN ENGINEER'S AS-BUILT DRAWING IS REQUIRED.
- THE HOUSE, WELL, BENCHMARK AND SEPTIC SYSTEM TO BE FIELD STAKED BY CT LICENSED LAND SURVEYOR.
- DRY SIEVE REQUIREMENTS ARE ALSO REQUIRED PER CODE.
- A BOTTOM OF EXCAVATION INSPECTION IS REQUIRED ONCE TOPSOIL HAS BEEN REMOVED.

- APPLICANT: PHILIP BELISLE  
1503 VOLUNTOWN RD.  
GRISWOLD CONNECTICUT  
860-376-5730
- SURVEYOR: ERIC SEITZ L.S.  
PO BOX 156  
JEWETT CITY, CT 06351  
(860) 376-3349
- INSTALLER RESPONSIBLE TO INSTALL SYSTEM IN ACCORDANCE WITH CONNECTICUT PUBLIC HEALTH CODE

**1000 GALLON TWO COMPARTMENT SEPTIC TANK**



**SILT FENCE**

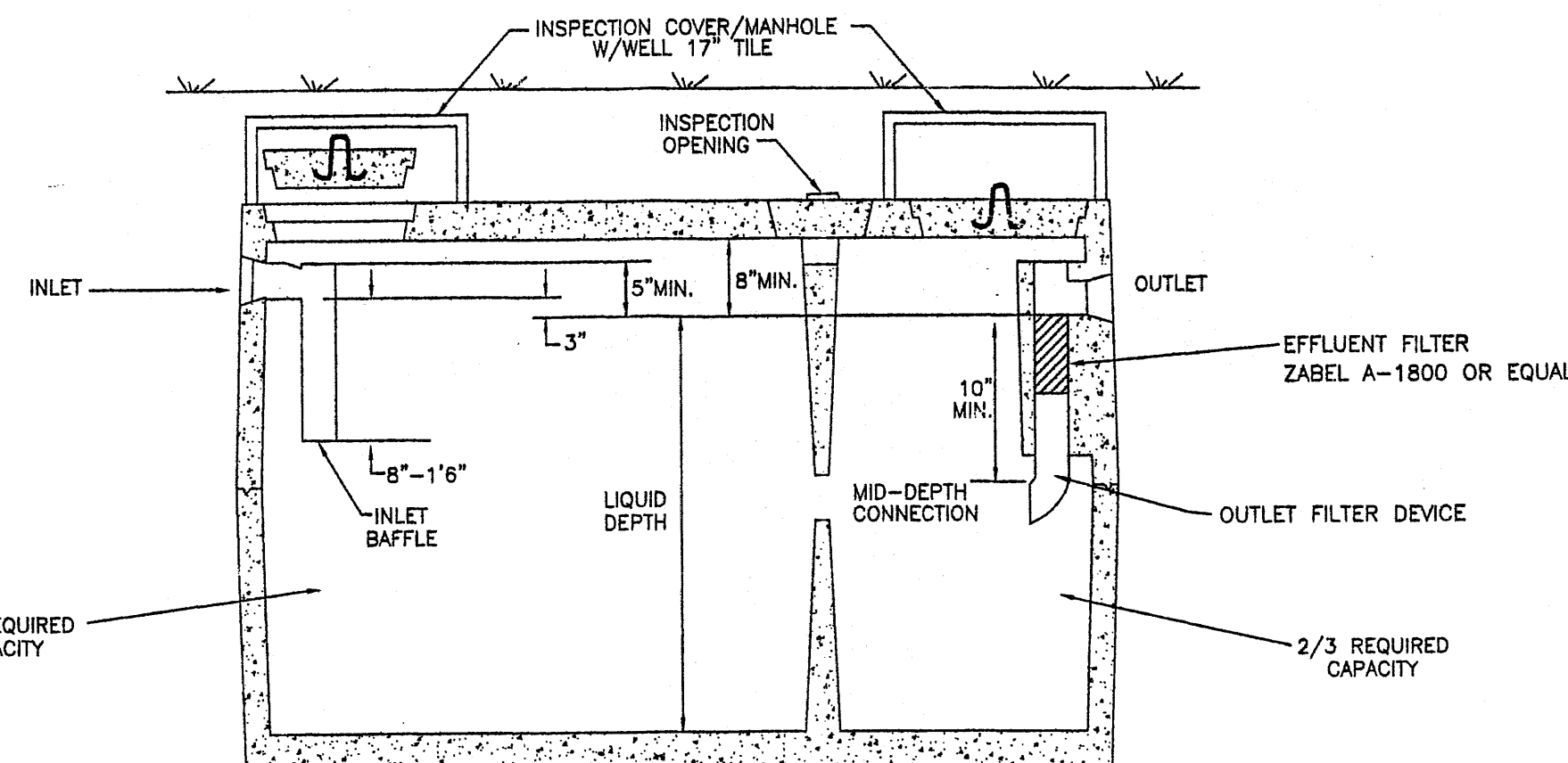


- Construction Specifications**
- Fence posts shall be a minimum of 36" long driven 18" minimum into the ground. Wood posts shall be 1 1/2" x 1 1/2" square (minimum) cut, or 1 3/4" diameter (minimum) round and shall be of sound quality hardwood. Steel posts will be standard T or U section weighting not less than 1.00 pound per linear foot.
  - Geotextile shall be fastened securely to each fence post with wire ties or staples at top and mid-section and shall meet the following requirements for Geotextile Class F:

Tensile Strength	50 lbs/in (min.)	Test: MSMT 509
Tensile Modulus	20 lbs/in (min.)	Test: MSMT 509
Flow Rate	0.3 gal ft <sup>2</sup> / minute (max.)	Test: MSMT 322
Filtering Efficiency	75% (min.)	Test: MSMT 322

- Where ends of geotextile fabric come together, they shall be overlapped, folded and stapled to prevent sediment bypass.
- Silt Fence shall be inspected after each rainfall event and maintained when bulges occur or when sediment accumulation reached 50% of the fabric height.

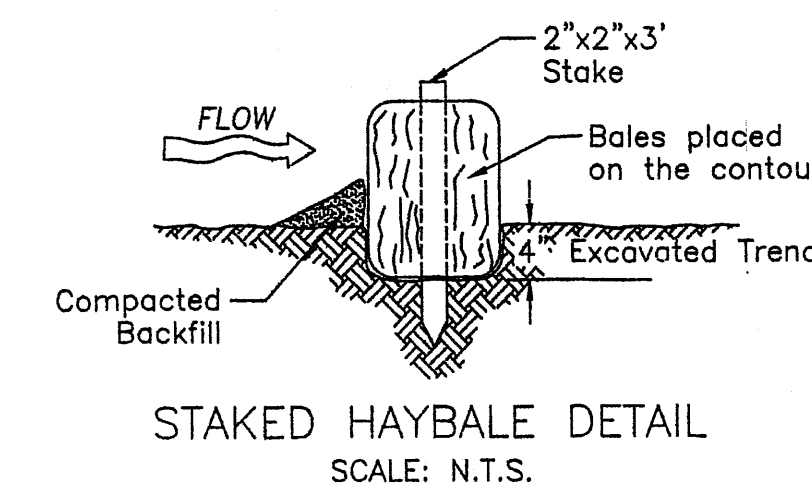
*Leach in Gallons*  
*Soffit Lead Field*  
*Check - 4000 year lot*



NOTE: CLEAN OUT MANHOLES AND ALL BAFFLED INSPECTION MANHOLES SHALL BE LOCATED AT A DEPTH NOT GREATER THAN 12" BELOW

APPROVED SEPTIC TANK OUTLET FILTERS

MANUFACTURER	MODEL
ORENCO SYSTEMS	FT044-36 FT0854-36
THORSBY & BOWNE	SANITEE
TUF-TITE	EF-4
UNITED CONCRETE CO.	PL-122
ZABEL	A100 A1800 A300 A1801 A100-HIP A1800-HIP



**HAY BALE INSTALLATION**

- Bales shall be placed in a single row, lengthwise, oriented perpendicular to the contour, with ends of adjacent bales tightly abutting one another.
- Bales shall be entrenched and backfilled. A trench shall be excavated the width of a bale and the length of the proposed barrier to a minimum depth of 4 inches.
- Each bale shall be securely anchored by at least two (2) stakes.
- The gaps between bales shall be wedged with straw to prevent water from escaping between the bales.
- The barrier shall be extended to such a length that the bottoms of the end bales are higher in elevation than the top of the lowest middle bale to assure that sediment laden run-off will flow either through or over the barrier, but not around it.

**HAY BALE INSTALLATION**

- Inspection shall be made after each storm event and repair or replacement shall be made promptly as needed.
- Cleanout of accumulated sediment behind the bales is necessary if 1/2 of the original height of the bales becomes filled in with sediment.

*Permit to Build*  
*Line 9*