NOTES:

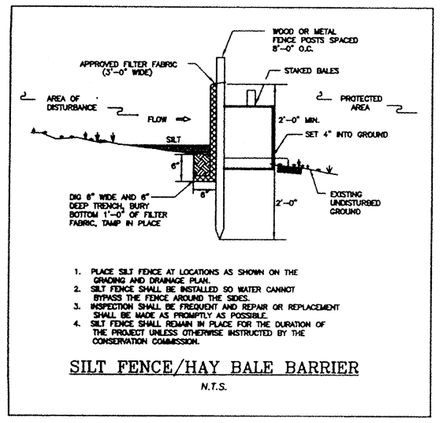
1. BENCHMARK TO BE SET WITHIN 50' OF THE PROPOSED LEACHING AREA PRIOR TO CONSTRUCTION.
2. THERE ARE NO EXISTING WELLS WITHIN 200' OF THE PROPOSED LEACHING AREA OTHER WISE SHOWN ON THE PLAN.
3. THERE ARE NO PROPOSED WELLS WITHIN 100' OF THE PROPOSED LEACHING AREA.
4. TEST HOLE ELEVATIONS FROM ON THE GROUND SURVEY.
5. EXISTING LOT IS SERVICED BY PUBLIC WATER.
6. LOT IS NOT IN THE AQUIFER PROTECTION DISTRICT, FLOOD PLAIN DISTRICT.
8. MAGNETIC TAPE TO BE PLACED ON TOP OF SEPTIC TANK, D-BOX AND ALL ACTIVE LINES IN THE PROPOSED LEACH FIELD.
9. "I CERTIFY THAT I HAVE LOCATED THE WATER SERVICE FOR 30 JOHN ALDEN STREET IS SHOWN CORRECTLY ON THE PLAN.
10. EXISTING SEPTIC TANK TO BE PUMPED OUT AND REMOVED PER STATE AND LOCAL REGULATION AS NEEDED.

CONSTRUCTION NOTES:

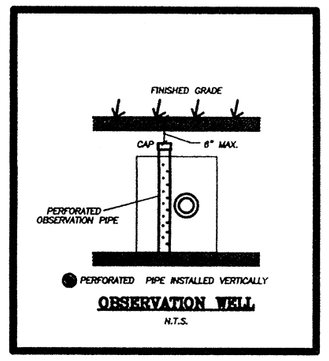
1. SEPTIC TANK AND DISTRIBUTION BOX SHALL BE INSTALLED LEVEL AND TRUE TO GRADE ON A LEVEL STABLE BASE THAT HAS BEEN MECHANICALLY COMPACTED AND ON TO WHICH 6" OF CRUSHED STONE HAS BEEN PLACED. IN FILL PROPER COMPACTION IS REQUIRED TO ENSURE STABILITY AND TO PREVENT SETTLING.
2. FILL SHALL BE PLACED IN NOT GREATER THAN 12" INCREMENTS AND COMPACTED BY DOZER TO THE SATISFACTION OF THE ENGINEER.
3. ALL EXTRA KNOCKOUTS IN SEPTIC TANK AND DISTRIBUTION BOX ARE TO BE SEALED WITH HYDRAULIC CEMENT.
4. MAXIMUM COVER OVER ANY COMPONENT OF THE SEPTIC SYSTEM SHALL NOT EXCEED 36".
5. MINIMUM COVER OVER ANY COMPONENT OF THE SEPTIC SYSTEM TO BE 9" PRIOR TO PLACEMENT OF 3" MIN. TOPSOIL.
6. LOCATOR TAPE TO BE PLACED OVER THE SEPTIC TANK, D-BOX & LINES WITHIN THE BED CONFIGURATION.

DESIGN NOTES:

1. ALL TOPSOIL, SUBSOIL AND OTHER IMPERVIOUS MATERIAL SHALL BE EXCAVATED TO PERVIOUS MATERIALS.
2. THE INSTALLATION OF PROPOSED SYSTEM SHALL BE DONE IN CONFORMANCE WITH LOCAL AND STATE BOARD OF HEALTH REGULATIONS
3. NO PORTION OF THIS SYSTEM SHALL BE ALTERED WITHOUT APPROVAL FROM THE BOARD OF HEALTH AND THE DESIGN ENGINEER.
4. FILL MATERIAL FOR SYSTEMS CONSTRUCTED IN FILL SHALL CONSIST OF SELECT ON-SITE OR IMPORTED SOIL MATERIAL. CONSISTING OF CLEAN GRANULAR SAND FREE FROM ORGANIC MATTER AND DELETERIOUS SOIL SUBSTANCES. MIXTURES AND LAYERS OF DIFFERENT CLASSES OF SOIL SHALL NOT BE USED. A SIEVE ANALYSIS SHALL BE PERFORMED IN ACCORDANCE WITH 310 CMR 15.255(3).
5. THIS SYSTEM IS NOT DESIGNED TO NOT ACCOMMODATE FOR A GARBAGE DISPOSAL.
6. THIS PLAN REFERS TO ASSESSORS ATLAS SHEET 15, LOT 234A.
7. OFFSETS NOT TO BE USED FOR THE REPRODUCTION OF PROPERTY LINES.
8. ALL INSPECTIONS NECESSARY FOR THE CERTIFICATION OF THE SEPTIC SYSTEM AND THE PREPARATION OF AN AS-BUILT PLAN ARE TO BE PERFORMED BY THE DESIGN ENGINEER.



SILT FENCE/HAY BALE BARRIER
N.T.S.



OBSERVATION WELL
N.T.S.

KEY

WETLAND EDGE	— · —
WETLAND FLAG	wf#108
SEPTIC TANK	ST
DISTRIBUTION BOX	DB
EXISTING CONTOURS	— — —
PROPOSED CONTOURS	———
EXISTING ELEVATIONS	100.0
PROPOSED ELEVATIONS	(100x0)
BENCHMARK	B.M.
PUBLIC WATER	—W—
UNDERGROUND UTILITIES	—U—
PERC TEST HOLE	◆
DEEP SOIL OBSERVATION HOLE	■
100' BUFFER LINE	—B—

Scott Miccile
7-4-11

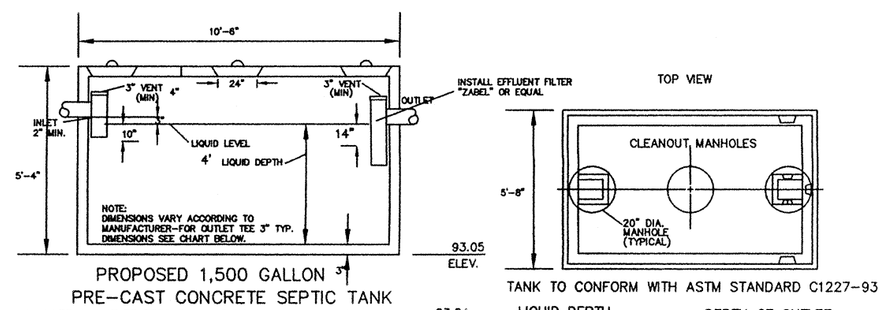
*WAIVER REQUEST

*1.A WAIVER REQUEST IS BEING MADE FOR SEPARATION TO GROUND WATER FOR 3' SEPARTION INSTEAD OF 4' SEPARATION.

CONSTRUCTION ON THIS LOT IS SUBJECT TO ANY EASEMENTS, RIGHTS-OF-WAY, RESTRICTIONS, RESERVATIONS OR OTHER LIMITATIONS WHICH MAY BE REVEALED BY AN EXAMINATION OF THE TITLE.

"WARNING"
EXISTING UTILITY LINES INDICATED OR NOTED ON THESE DRAWINGS ARE SHOWN AS OBTAINED FROM EXISTING INFORMATION AND ARE ONLY APPROXIMATE IN LOCATION. THE CONTRACTOR SHALL TAKE CAUTION IN THESE AREAS TO AVOID DAMAGE TO EXISTING UTILITY LINES AND/OR HARM TO PERSONNEL ENGAGED IN WORKING IN THESE AREAS.
CALL "DIG SAFE" 1-888-DIG-SAFE (1-888-344-7233).

EXISTING LINES OTHER THAN THOSE INDICATED ON THESE DRAWINGS MAY BE ON THE SITE. THE CONTRACTOR IS WARNED TO PROCEED WITH CAUTION WITH ALL WORK, ESPECIALLY EXCAVATION WORK, AND TO MAKE ALL POSSIBLE INVESTIGATIONS AS TO POSSIBLE UNMARKED UTILITY LINES.



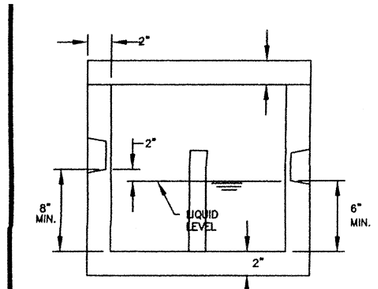
PROPOSED 1,500 GALLON 3 PRE-CAST CONCRETE SEPTIC TANK

1. INLET & OUTLET TEES SHALL EXTEND TO CLEANOUT MANHOLES & SHALL BE CONSTRUCTED OF SCHEDULE 40 PVC OR CAST IN PLACE CONCRETE & PROPERLY SUPPORTED. BAFFLES ARE UNACCEPTABLE.
2. BOUYANCY CALCULATIONS REQUIRED FOR SEPTIC TANKS INSTALLED IN GROUNDWATER.
3. ADD ZABEL FILTER TO OUTLET TEE.

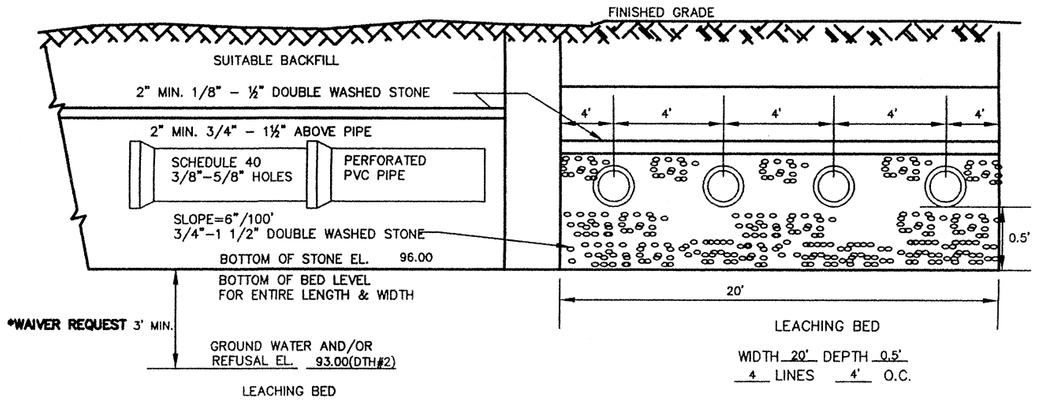
93.0± OBSERVE/ ESTIMATED G.W.

TANK TO CONFORM WITH ASTM STANDARD C1227-93

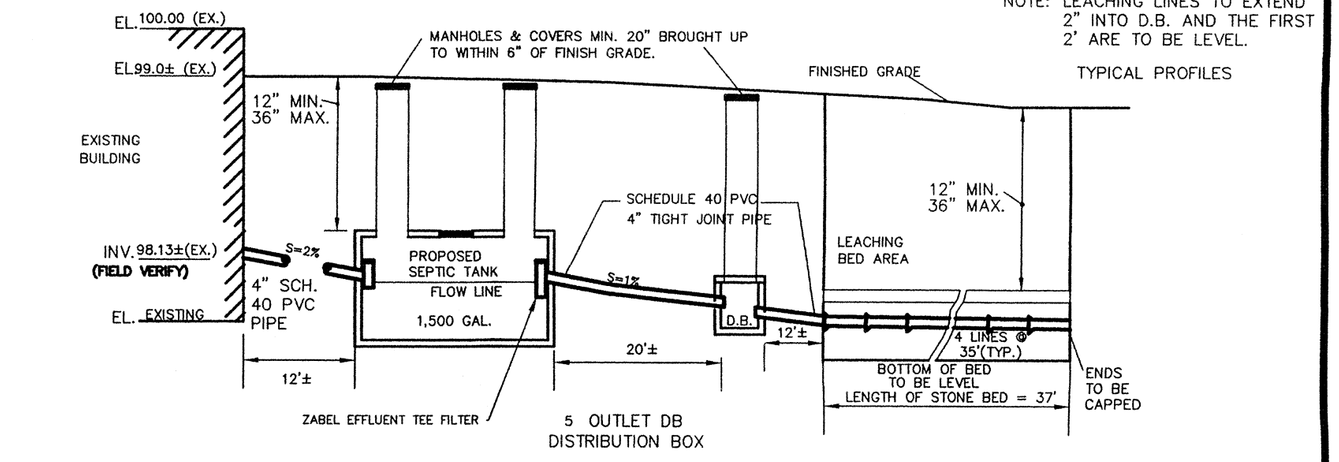
LIQUID DEPTH IN SEPTIC TANK	DEPTH OF OUTLET TEE BELOW FLOW LINE
4 FEET	14 INCHES
5 FEET	19 INCHES
6 FEET	24 INCHES
7 FEET	29 INCHES
8 FEET	34 INCHES



(SEE CONSTRUCTION NOTE 1)
5 OUTLET D.B.
PRE-CAST CONCRETE DISTRIBUTION BOX W/WATERTIGHT COVER
(12"x 12" MIN. INSIDE DIMENSION)



TYPICAL BED CROSS SECTION



NOTE: LEACHING LINES TO EXTEND 2" INTO D.B. AND THE FIRST 2' ARE TO BE LEVEL.

TYPICAL PROFILES

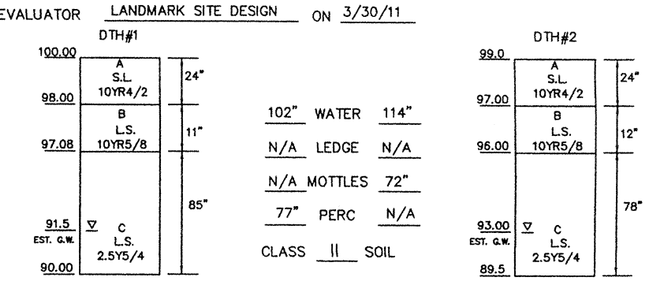
TYPICAL SYSTEM PROFILE

DESIGN ELEVATIONS

TOP OF FOUNDATION	100.00(EX.)
SLAB ELEVATION	EXISTING
INV. AT FOUNDATION	98.13(EX.)
INV. AT SEPTIC TANK INLET	97.55
INV. AT SEPTIC TANK OUTLET	97.30
INV. AT DIST. BOX INLET	97.00
INV. AT DIST. BOX OUTLET	96.83
INV. AT BEGIN OF LEACHING BED	96.70
INV. AT END OF LEACHING BED	96.50
EL. AT BOTTOM OF LEACHING BED	*96.00
ELEV. OF GROUND WATER	93.00
ELEV. OF REFUSAL	N/A

*WAIVER REQUEST

WITNESSED JR CHENEVERT
SOIL EVALUATOR LANDMARK SITE DESIGN ON 3/30/11



PERC#1 6 MIN/INCH

30 John Alden St
RDA

FLOW INFORMATION

TYPE OF BUILDING	RESIDENTIAL
EMPLOYEES	N/A
DISPOSAL	NO
BEDROOMS	EXISTING 4 BEDROOMS
PERSONS	N/A
OTHER	N/A
DAILY FLOW	4x110=440 GPD

USE: 20'Wx37'L BED w/4 LINES @ 4' O.C.
EXISTING 1,500 GAL. SEPTIC TANK
5 OUTLET

LEACHING FACILITY DESIGN CRITERIA

PERC. DESIGN RATE 6 MIN./INCH
SOIL CLASS II FLOW 440 E.L.R. 0.60
NITROGEN SENSITIVE ZONE YES/NO NO
E.L.R. = PERC. RATE FACTOR

REQUIRED
FLOW = 4 x 110= 440 gpd
AREA =440/0.60= 734 s.f.

PROVIDED
AREA = 20 x 37 = 740 S.F.> 734 S.F.
FLOW =740 x 0.60 =444 gpd > 440 gpd

"LOCAL UPGRADE"
SITE DEVELOPMENT PLAN
IN
SEEKONK, MA

SCALE: 20 FEET TO AN INCH
DATE: APRIL 2, 2011

PREPARED FOR: DAVID A. YANY
30 JOHN ALDEN STREET, SEEKONK MA 02771

Landmark Site Design
Civil Engineering & Land Surveying
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