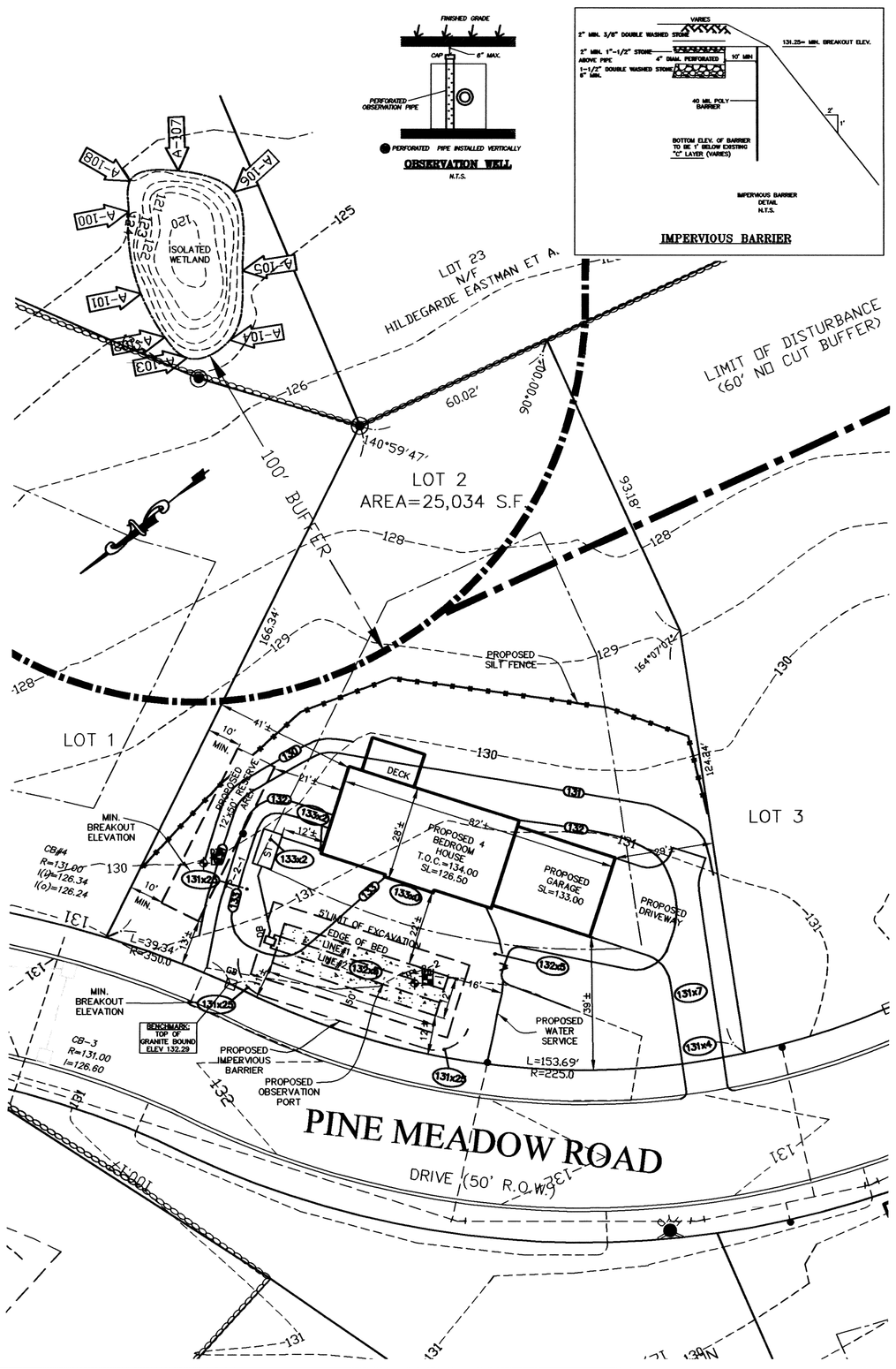
CONSTRUCTION ON THIS LOT IS SUBJECT TO ANY EASEMENTS, RIGHTS-OF-WAY, RESTRICTIONS, RESERVATIONS OR OTHER LIMITATIONS WHICH MAY BE REVEALED BY AN EXAMINATION OF THE TITLE.

"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.

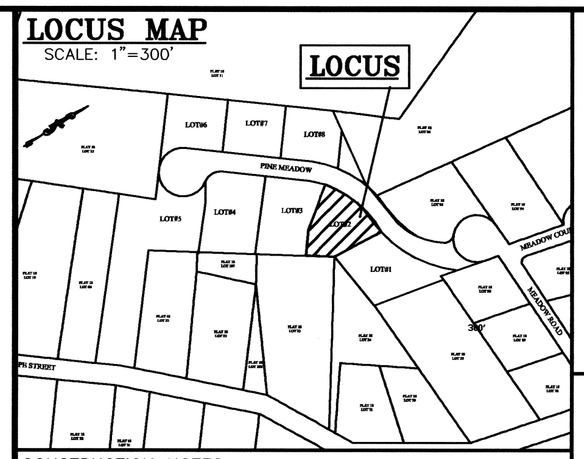
NOTES:

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.
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 TO BE SERVICED BY PUBLIC WATER.
6. LOT IS NOT IN THE AQUIFER PROTECTION DISTRICT, FLOOD PLAIN DISTRICT.
7. "I CERTIFY THAT I HAVE LOCATED THE WATER SERVICE CURB STOP TO LOT #2 AND IT IS SHOWN CORRECTLY ON THE PLAN.
8. PROPERTY LINES, TOPO AND TESTING INFORMATION TAKEN FROM PLANS ENTITLED PROPOSED PINE MEADOW ESTATES SUBDIVISION, PINE MEADOW ROAD, SEEKONK MASSACHUSETTS, DATED 6/8/06,PREPARED BY GIESSER ENGINEERING, PREPARED FOR DEROSA DEVELOPMENT, LLC.



LOCUS MAP

SCALE: 1"=300'



CONSTRUCTION NOTES:

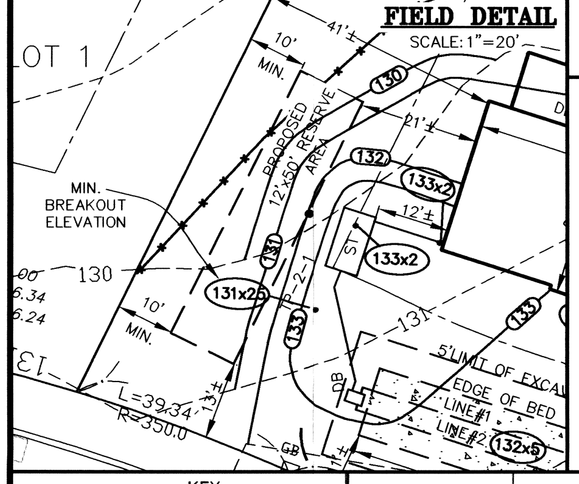
1. PUMP CHAMBER AND DISTRIBUTION BOX SHALL BE INSTALLED LEVEL AND TRUE TO GRADE ON A LEVEL STABLE BASE THAT HAS BEEN MECHANICALLY COMPACTED AND ON TO WHICH 6" OF CRUSHED STONE HAS BEEN PLACED. IN FILL PROPER COMPACTION IS REQUIRED TO ENSURE STABILITY AND TO PREVENT SETTLING.
2. BENCHMARK TO BE SET WITHIN 50' OF PROPOSED SYSTEM PRIOR TO CONSTRUCTION.
3. FILL SHALL BE PLACED IN NOT GREATER THAN 12" INCREMENTS AND COMPACTED BY DOZER TO THE SATISFACTION OF THE ENGINEER.
5. ALL EXTRA KNOCKOUTS IN SEPTIC TANK AND DISTRIBUTION BOX ARE TO BE SEALED WITH HYDRAULIC CEMENT.
6. MAXIMUM COVER OVER ANY COMPONENT OF THE SEPTIC SYSTEM SHALL NOT EXCEED 36".
7. MINIMUM COVER OVER ANY COMPONENT OF THE SEPTIC SYSTEM TO BE 9" PRIOR TO PLACEMENT OF 3" MIN. TOPSOIL.
8. LOCATOR TAPE TO BE PLACED ON TOP OF SEPTIC TANK, D-BOX AND ALONG THE TOP OF EACH LINE WITHIN THE BED CONFIGURATION.

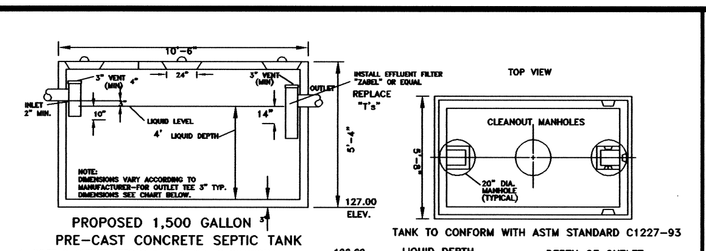
DESIGN NOTES:

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 18, LOT 2.
7. ELEVATIONS ARE ON AN ASSUMED DATUM.
8. OFFSETS NOT TO BE USED FOR THE REPRODUCTION OF PROPERTY LINES.
9. 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.

FIELD DETAIL

SCALE: 1"=20'





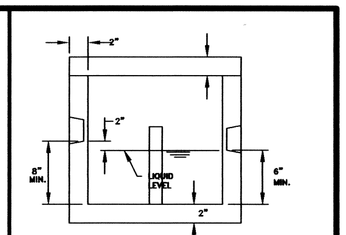
PROPOSED 1,500 GALLON PRE-CAST CONCRETE SEPTIC TANK

TANK TO CONFORM WITH ASTM STANDARD C1227-93

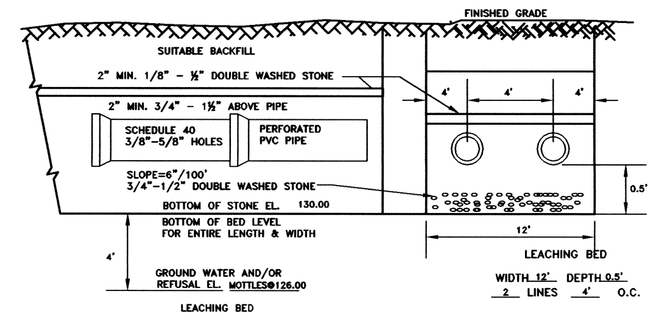
1. INLET & OUTLET TEES SHALL EXTEND TO CLEANOUT MANHOLES & SHALL BE CONSTRUCTED OF SCHEDULE 40 PVC OR CAST IN PLACE CONCRETE & PROPERLY SUPPORTED. BAFFLES ARE UNACCEPTABLE.
2. BOUYANCY CALCULATIONS REQUIRED FOR SEPTIC TANKS INSTALLED IN GROUNDWATER.
3. EXISTING SEPTIC TANK TO BE PUMPED, "T"S TO BE INSPECTED AND /OR REPLACED

126.60 OBSERVE/ ESTIMATED G.W.

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



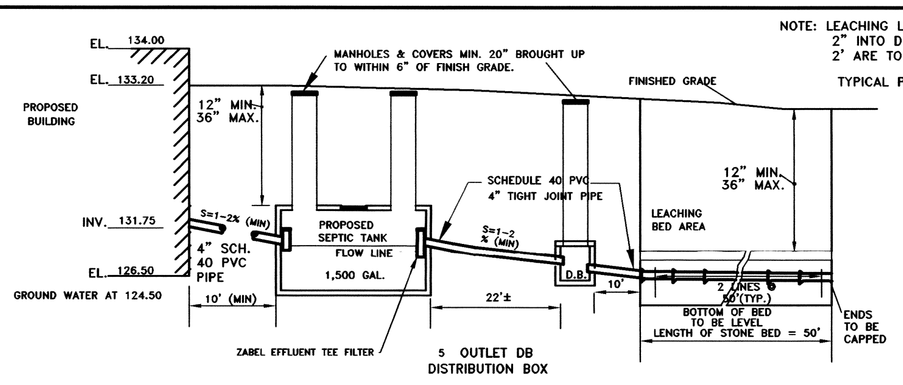
(SEE CONSTRUCTION NOTE 1)
5 OUTLET D.B.
PRE-CAST CONCRETE DISTRIBUTION BOX W/WATERTIGHT COVER W/TEE
(12"x 12" MIN. INSIDE DIMENSION)



TYPICAL BED CROSS SECTION

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

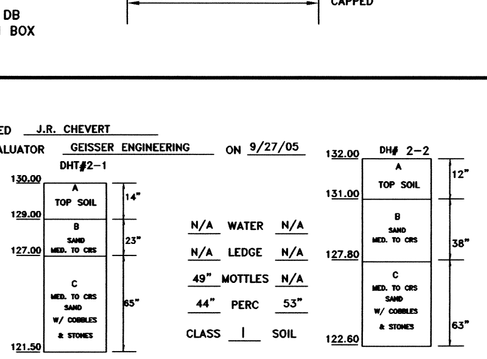
TYPICAL PROFILES



DESIGN ELEVATIONS

TOP OF FOUNDATION	134.00
SLAB ELEVATION	126.50
INV. AT FOUNDATION	131.75
INV. AT SEPTIC TANK INLET	131.50
INV. AT SEPTIC TANK OUTLET	131.25
INV. AT DIST. BOX INLET	131.02
INV. AT DIST. BOX OUTLET	130.85
INV. AT BEGIN OF LEACHING BED	130.75
INV. AT END OF LEACHING BED	130.50
EL. AT BOTTOM OF LEACHING BED	130.00
ELEV. OF GROUND WATER	126.00
ELEV. OF REFUSAL	N/A

WITNESSED J.R. CHEVERT
SOIL EVALUATOR GEISSER ENGINEERING ON 9/27/05



PERC#1 4 MIN/INCH
PERC#2 3 MIN/INCH

8 Pine Meadow Rd. RDA

KEY

SEPTIC TANK	ST
DISTRIBUTION BOX	DB
PUMP CHAMBER	PC
ABSORPTION TRENCH	T#
EXISTING CONTOURS	— —
PROPOSED CONTOURS	———
EXISTING ELEVATIONS	100.0
PROPOSED ELEVATIONS	(100x0)
EDGE OF WETLANDS	— — —
BENCHMARK	B.M.
PUBLIC WATER	W
GAS SERVICE	G
PERC TEST HOLE	⊕
DEEP SOIL OBSERVATION HOLE	■
PRIVATE WATER SUPPLY	Ⓦ
TOP OF CONCRETE	TC

COMMONWEALTH OF MASSACHUSETTS
CHARLES H. STRICKLAND III
CIVIL
No. 45210
REGISTERED PROFESSIONAL ENGINEER

4/30/08

FLOW INFORMATION

TYPE OF BUILDING RESIDENTIAL
EMPLOYEES N/A
DISPOSAL NO
BEDROOMS 4 BEDROOMS
PERSONS N/A
OTHER N/A
DAILY FLOW 4x110=440 GPD
USE:12'Wx50'L BED w/2 LINES @ 4' O.C.
PROP. 1,500 GAL. SEPTIC TANK
5 OUTLET

LEACHING FACILITY DESIGN CRITERIA

PERC. DESIGN RATE 5 MIN./INCH
SOIL CLASS I FLOW 440 E.L.R. 0.74
NITROGEN SENSITIVE ZONE YES/NO NO
E.L.R. = PERC. RATE FACTOR

REQUIRED
FLOW = 4 x 110= 440 gpd
AREA =440/0.74= 595 s.f.

PROVIDED
AREA =12' x 50' = 600 S.F. > 595 S.F.
FLOW = 600 x 0.74 = 444 gpd > 440 gpd

SITE DEVELOPMENT PLAN
IN
SEEKONK, MA

SCALE: 20 FEET TO AN INCH
DATE: APRIL 28, 2008
5/22/08 REV. WATER LINE. PML

PREPARED FOR: WAYNE DEROSA

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Civil Engineering & Land Surveying
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www.plavoie69@gmail.com

LOT#2, PINEMEADOW ROAD

S-0002