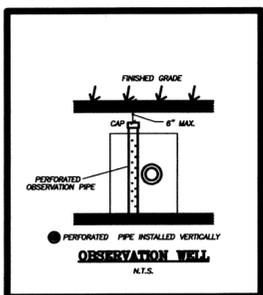
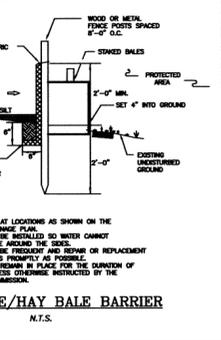


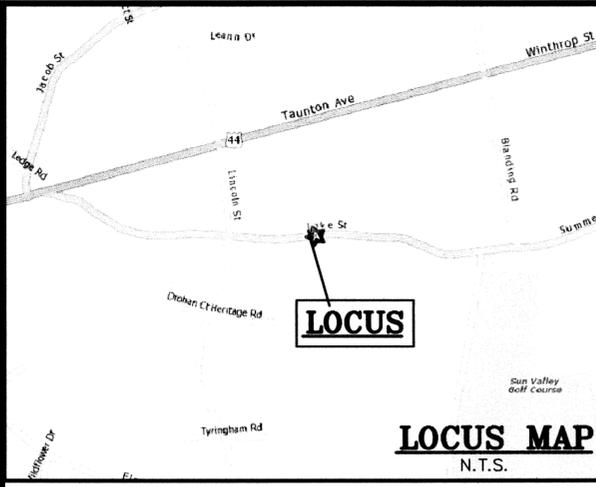
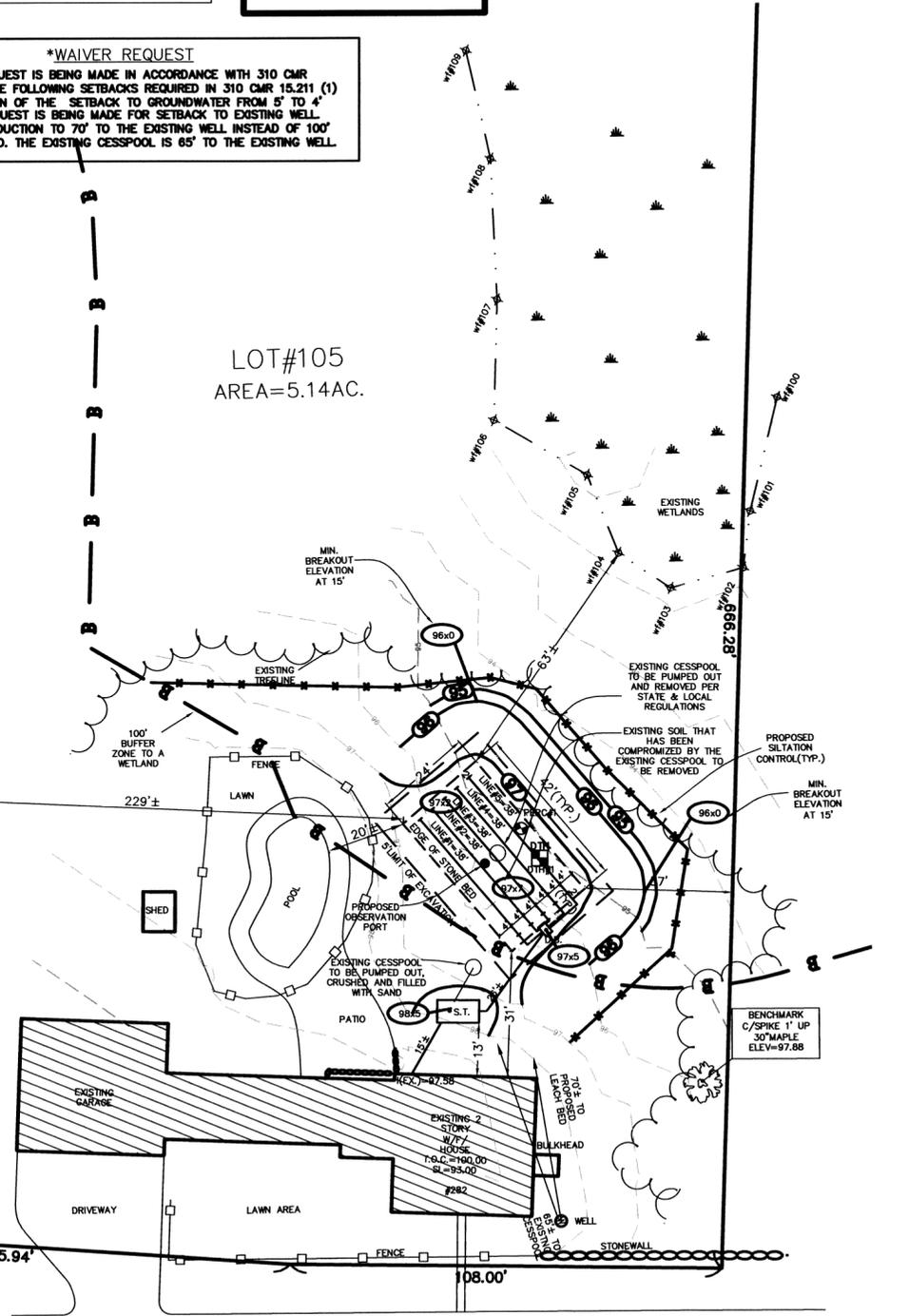
"WARNING"
 EXISTING UTILITY LINES INDICATED OR NOTED ON THESE DRAWINGS ARE SHOWN AS OBTAINED FROM EXISTING INFORMATION AND ARE ONLY APPROXIMATE IN LOCATION. THE CONTRACTOR SHALL TAKE CAUTION IN THESE AREAS TO AVOID DAMAGE TO EXISTING UTILITY LINES AND/OR HARM TO PERSONNEL ENGAGED IN WORKING IN THESE 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.

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.



***WAIVER REQUEST**
 BEST IS BEING MADE IN ACCORDANCE WITH 310 CMR AND THE FOLLOWING SETBACKS REQUIRED IN 310 CMR 15.211 (1) IN THE SETBACK TO GROUNDWATER FROM 5' TO 4' BEST IS BEING MADE FOR SETBACK TO EXISTING WELL. REDUCTION TO 70' TO THE EXISTING WELL INSTEAD OF 100'. THE EXISTING CESSPOOL IS 65' TO THE EXISTING WELL.



CONSTRUCTION NOTES:

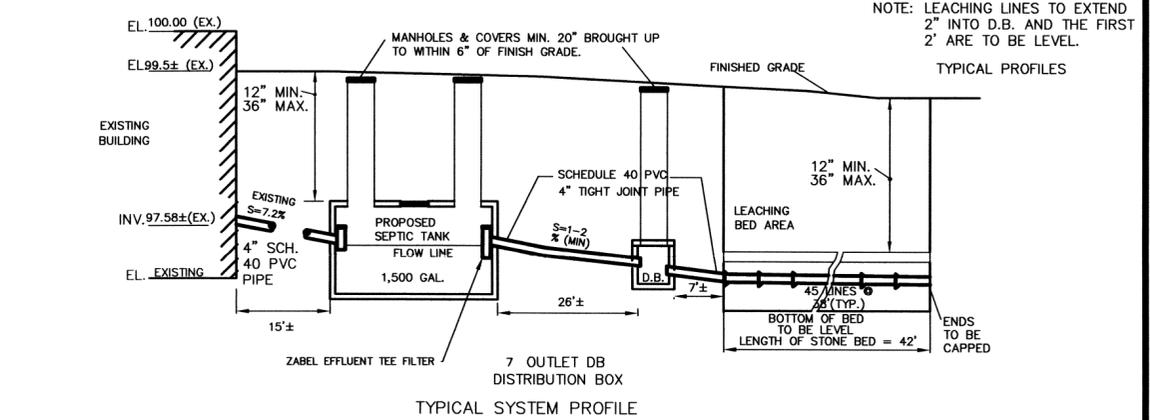
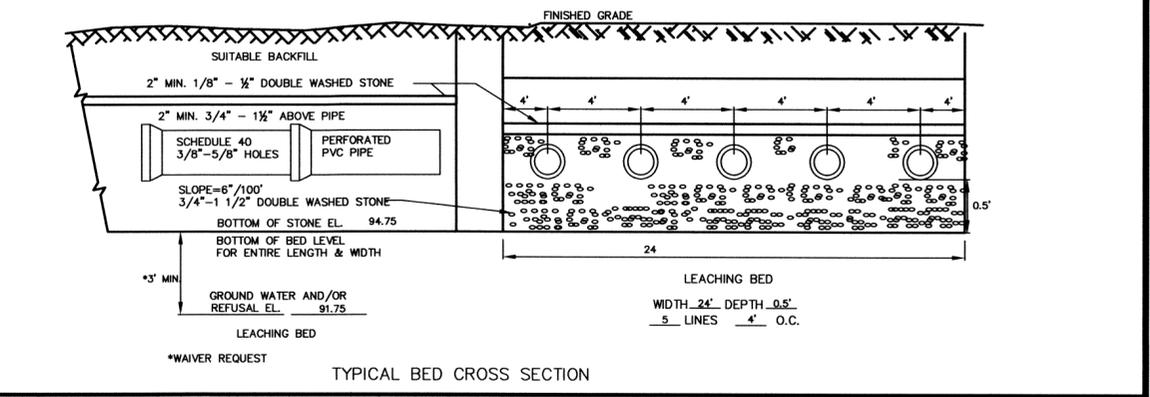
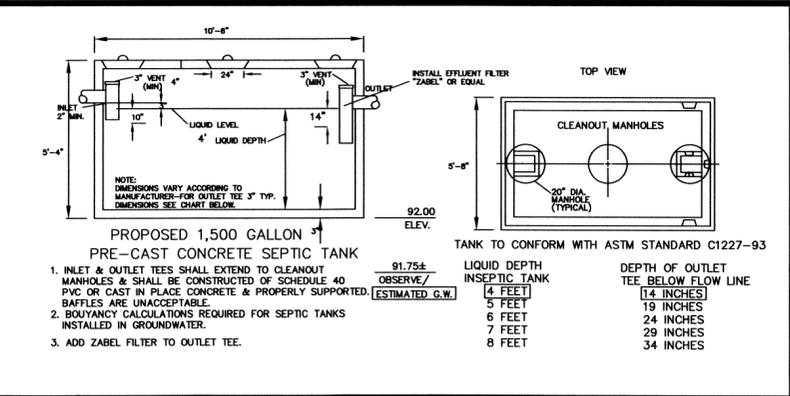
- SEPTIC TANK AND DISTRIBUTION BOX SHALL BE INSTALLED LEVEL AND TRUE TO GRADE ON A LEVEL STABLE BASE THAT HAS BEEN MECHANICALLY COMPACTED AND ON TO WHICH 6" OF CRUSHED STONE HAS BEEN PLACED. IN FILL PROPER COMPACTION IS REQUIRED TO ENSURE STABILITY AND TO PREVENT SETTLING.
- FILL SHALL BE PLACED IN NOT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

DESIGN NOTES:

- ALL TOPSOIL, SUBSOIL AND OTHER IMPERVIOUS MATERIAL SHALL BE EXCAVATED TO PERVIOUS MATERIALS.
- THE INSTALLATION OF PROPOSED SYSTEM SHALL BE DONE IN CONFORMANCE WITH LOCAL AND STATE BOARD OF HEALTH REGULATIONS
- NO PORTION OF THIS SYSTEM SHALL BE ALTERED WITHOUT APPROVAL FROM THE BOARD OF HEALTH AND THE DESIGN ENGINEER.
- 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).
- THIS SYSTEM IS NOT DESIGNED TO ACCOMMODATE FOR A GARBAGE DISPOSAL THE EXISTING GARBAGE GRINDER IS TO BE REMOVED.
- THIS PLAN REFERS TO ASSESSORS ATLAS SHEET 18, LOT 20A.
- OFFSETS NOT TO BE USED FOR THE REPRODUCTION OF PROPERTY LINES.
- 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.

NOTES:

- BENCHMARK TO BE SET WITHIN 50' OF THE PROPOSED LEACHING AREA PRIOR TO CONSTRUCTION.
- THERE ARE NO EXISTING WELLS WITHIN 200' OF THE PROPOSED LEACHING AREA OTHER WISE SHOWN ON THE PLAN.
- THERE ARE NO PROPOSED WELLS WITHIN 100' OF THE PROPOSED LEACHING AREA.
- TEST HOLE ELEVATIONS FROM ON THE GROUND SURVEY.
- EXISTING LOT IS SERVICED BY PRIVATE WELL.
- LOT IS NOT IN THE AQUIFER PROTECTION DISTRICT, FLOOD PLAIN DISTRICT.
- MAGNETIC TAPE TO BE PLACED ON TOP OF SEPTIC TANK, D-BOX AND ALL ACTIVE LINES IN THE PROPOSED LEACH FIELD.
- "I CERTIFY THAT I HAVE LOCATED THE WATER SERVICE FOR 282 LAKE STREET AND IS SHOWN CORRECTLY ON THE PLAN.
- EXISTING CESSPOOLS TO BE REMOVED PER STATE AND LOCAL REGULATION AS NEEDED.
- C1 LAYER TO BE REMOVED PER BOARD OF HEALTH AGENT.
- ANY SOIL THAT HAS BEEN COMPROMISED BY THE EXISTING CESSPOOLS TO BE REMOVED.



DESIGN ELEVATIONS

TOP OF FOUNDATION	100.00(EX.)
SLAB ELEVATION	EXISTING
INV. AT FOUNDATION	97.58(EX.)
INV. AT SEPTIC TANK INLET	96.50
INV. AT SEPTIC TANK OUTLET	96.25
INV. AT DIST. BOX INLET	95.77
INV. AT DIST. BOX OUTLET	95.61
INV. AT BEGIN OF LEACHING BED	95.46
INV. AT END OF LEACHING BED	95.25
EL. AT BOTTOM OF LEACHING BED	*94.75
ELEV. OF GROUND WATER	91.75
ELEV. OF REFUSAL	N/A

WITNESSED BETH HALLAL
 SOIL EVALUATOR PETER LAVOIE ON 10/1/09

DHT#1	
95.00	A S.L. 10YR5/3
94.50	B S.L. 10YR5/8
94.17	C1 S.L. 10YR6/6
92.50	(TO BE REMOVED)
91.75	EST. G.W. C2 F.S. 2.5YR/3
86.00	

PERC#1 30 MIN/INCH

KEY

- SEPTIC TANK
- DISTRIBUTION BOX
- EXISTING CONTOURS
- PROPOSED CONTOURS
- EXISTING ELEVATIONS
- PROPOSED ELEVATIONS
- BENCHMARK
- PUBLIC WATER
- GAS SERVICE
- PERC TEST HOLE
- DEEP SOIL OBSERVATION HOLE

SCOTT P. MICCILE
 CIVIL
 No. 46680
 REGISTERED PROFESSIONAL ENGINEER
 10/30/09
 DATE

FLOW INFORMATION

TYPE OF BUILDING RESIDENTIAL
 EMPLOYEES N/A
 DISPOSAL NO
 BEDROOMS EXISTING 3 BEDROOMS
 PERSONS N/A
 OTHER N/A
 DAILY FLOW 3x110=330 GPD
 USE: 24'Wx42'L BED w/5 LINES @ 4' O.C.
 EXISTING 1,500 GAL. SEPTIC TANK
 7 OUTLET

LEACHING FACILITY DESIGN CRITERIA

PERC. DESIGN RATE 30 MIN./INCH
 SOIL CLASS II FLOW/330 E.L.R. 0.33
 NITROGEN SENSITIVE ZONE YES/NO NO
 E.L.R. = PERC. RATE FACTOR

REQUIRED
 FLOW = 3 x 110 = 330 gpd
 AREA = 330 / 0.33 = 1000 s.f.

PROVIDED
 AREA = 24 x 42 = 1008 S.F. > 1000 S.F.
 FLOW = 1008 x 0.33 = 333 > 330 GPD

"LOCAL UPGRADE" SITE DEVELOPMENT PLAN IN SEEKONK, MA

SCALE: 30 FEET TO AN INCH
 DATE: OCTOBER 17, 2009

PREPARED FOR: DAVID EVANS
 282 LAKE STREET, SEEKONK MA 02771

Landmark Site Design
 Civil Engineering & Land Surveying
 1267 GLEBE STREET, TAUNTON MA 02780
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