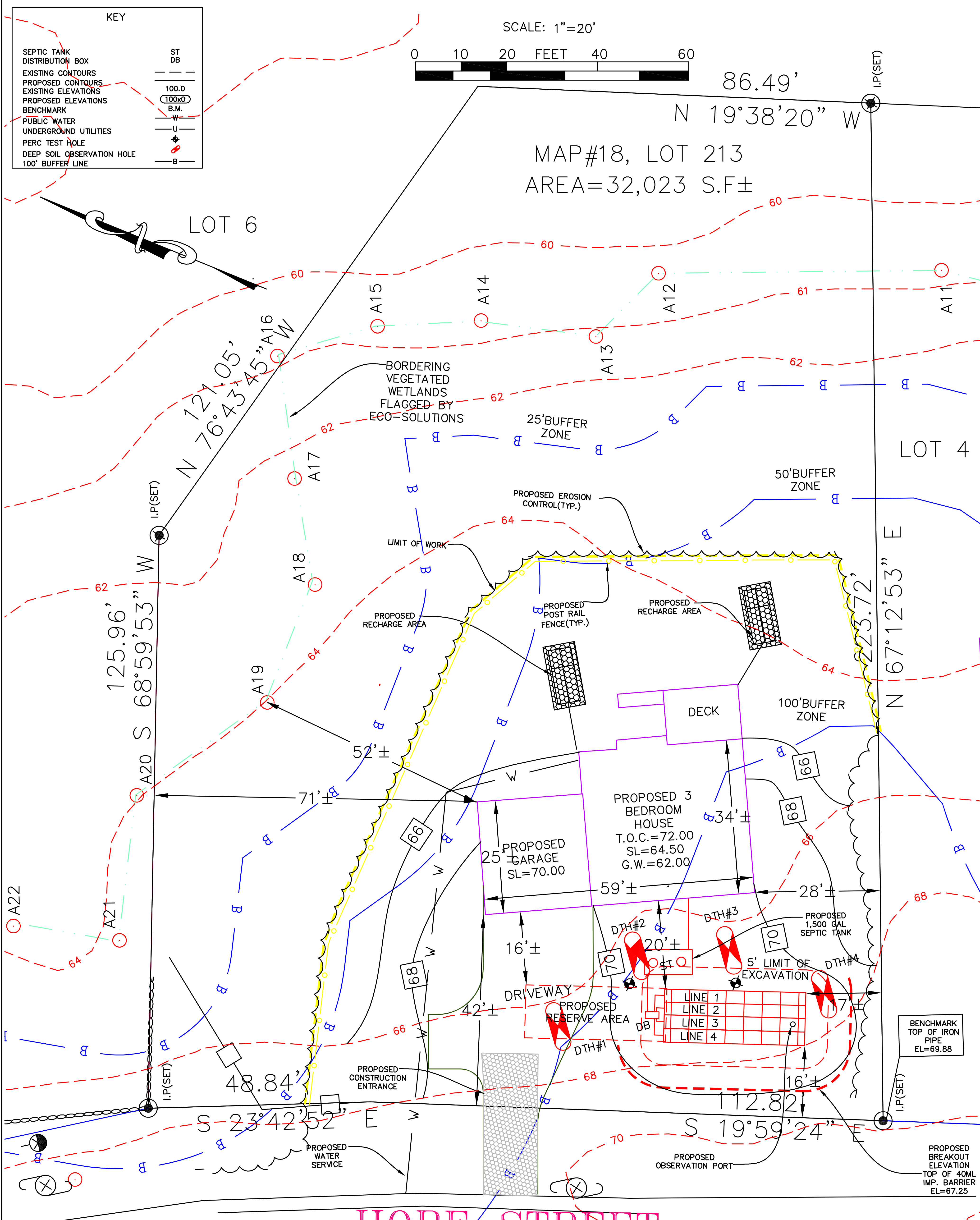
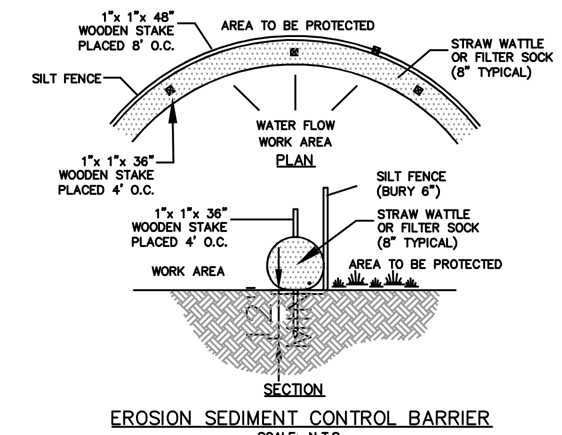
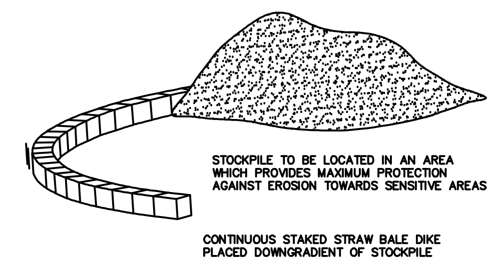
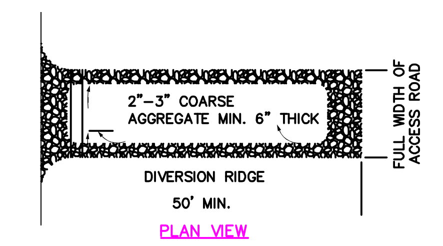




EROSION SEDIMENT CONTROL BARRIER
SCALE: N.T.S.

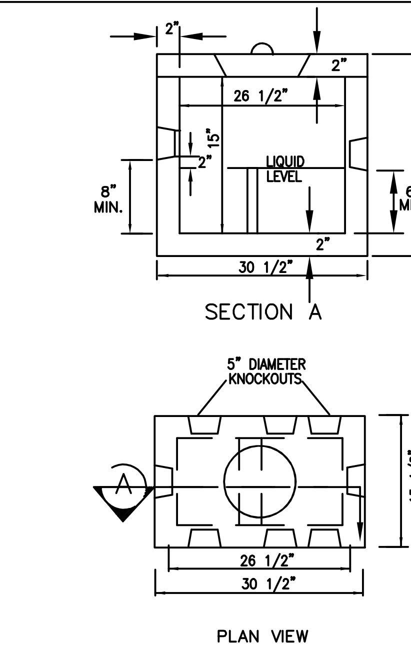


TEMPORARY STOCKPILE
N.T.S.



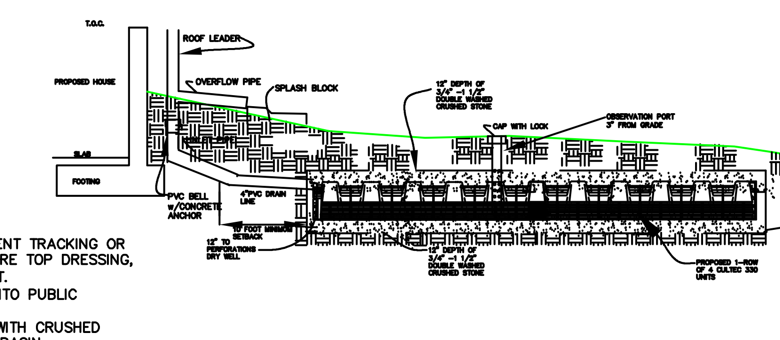
NOTES:
[1] THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION THAT WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHT-OF-WAYS. THIS MAY REQUIRE TOP DRESSING, REPAIR AND/OR CLEANOUT OF ANY MEASURES USED TO TRAP SEDIMENT.
[2] WHEN NECESSARY, WHEELS SHALL BE CLEANED PRIOR TO ENTRANCE ONTO PUBLIC RIGHT-OF-WAY.
[3] WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON AREA STABILIZED WITH CRUSHED STONE THAT DRAINS INTO AN APPROVED SEDIMENT TRAP OR SEDIMENT BASIN.
[4] USE SANDBAGS, STRAW BALES OR OTHER APPROVED METHODS TO CHANNELIZE RUNOFF TO BASIN AS REQUIRED.

CONSTRUCTION ENTRANCE
N.T.S.

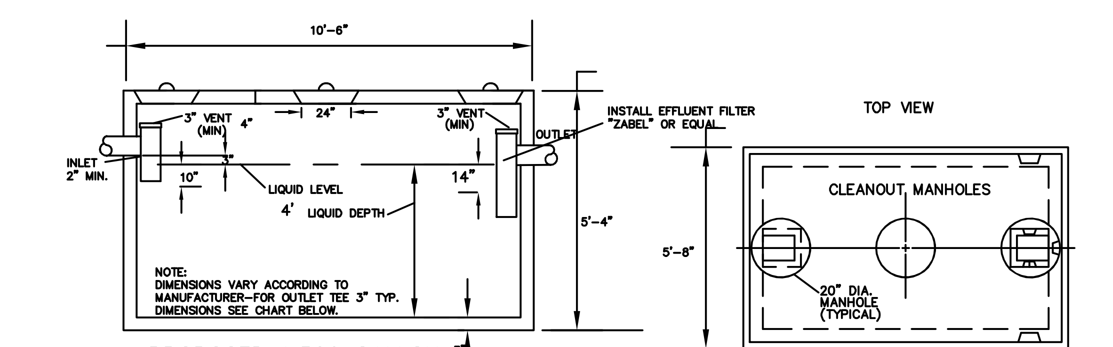


5 OUTLET PRE-CAST CONCRETE DISTRIBUTION BOX W/WATERTIGHT COVER.

PRE-CAST CONCRETE DISTRIBUTION BOX
N.T.S.



DRAIN DRYWELL DETAIL
N.T.S.



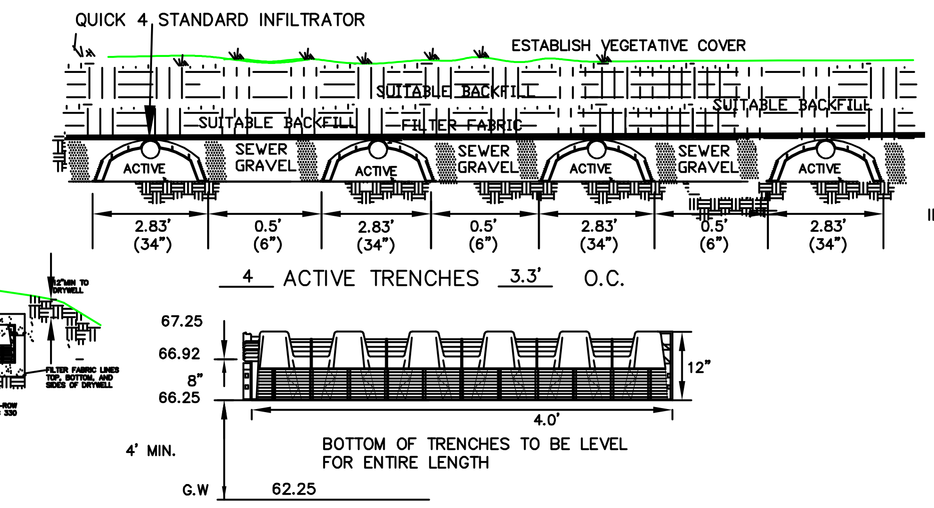
PROPOSED 1,500 GALLON PRE-CAST CONCRETE SEPTIC TANK

1. INLET & OUTLET TEES SHALL EXTEND TO CLEANOUT MANHOLES & SHALL BE CONSTRUCTED OF SCHEDULE 40 PVC.
2. BOUYANCY CALCULATIONS REQUIRED FOR SEPTIC TANKS INSTALLED IN GROUNDWATER.
3. ADD ZABEL FILTER TO OUTLET TEE.
4. BRING OUTLET MANHOLE TO GRADE.

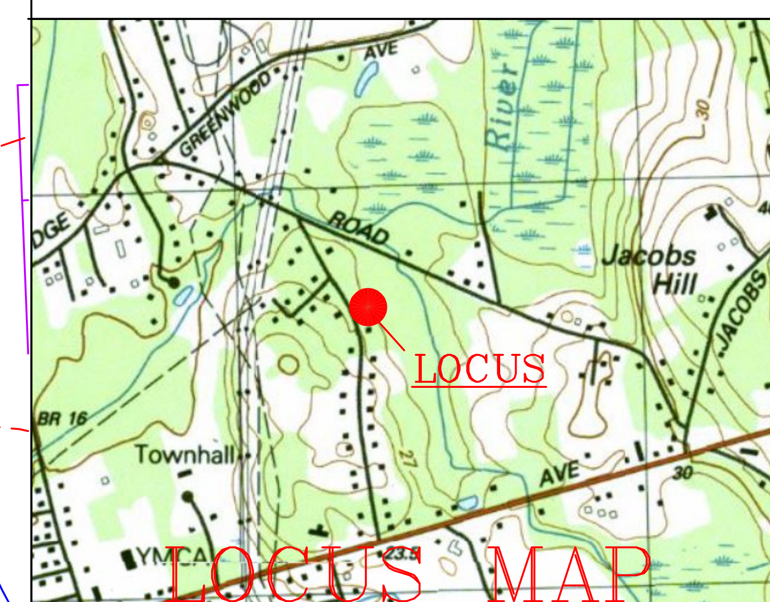
TANK TO CONFORM WITH ASTM STANDARD C1227-93

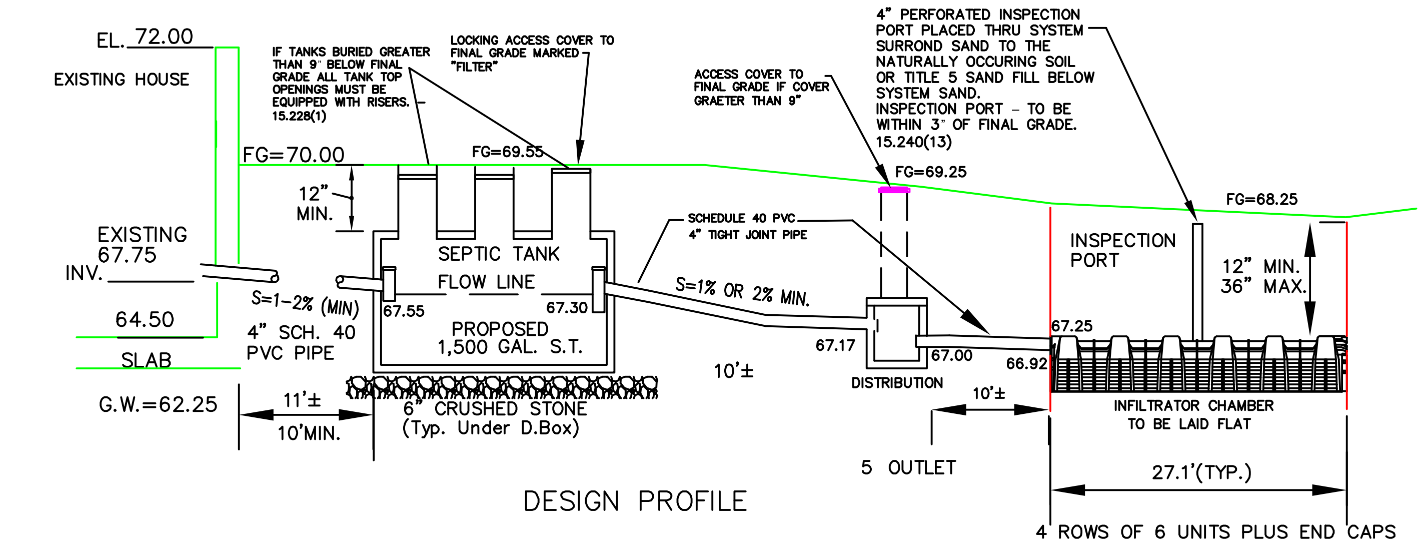
62.25 OBSERVE/ ESTIMATED G.W.

LIQUID DEPTH INSEPTIC 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



TYPICAL CROSS SECTION
NOT TO SCALE





DESIGN PROFILE

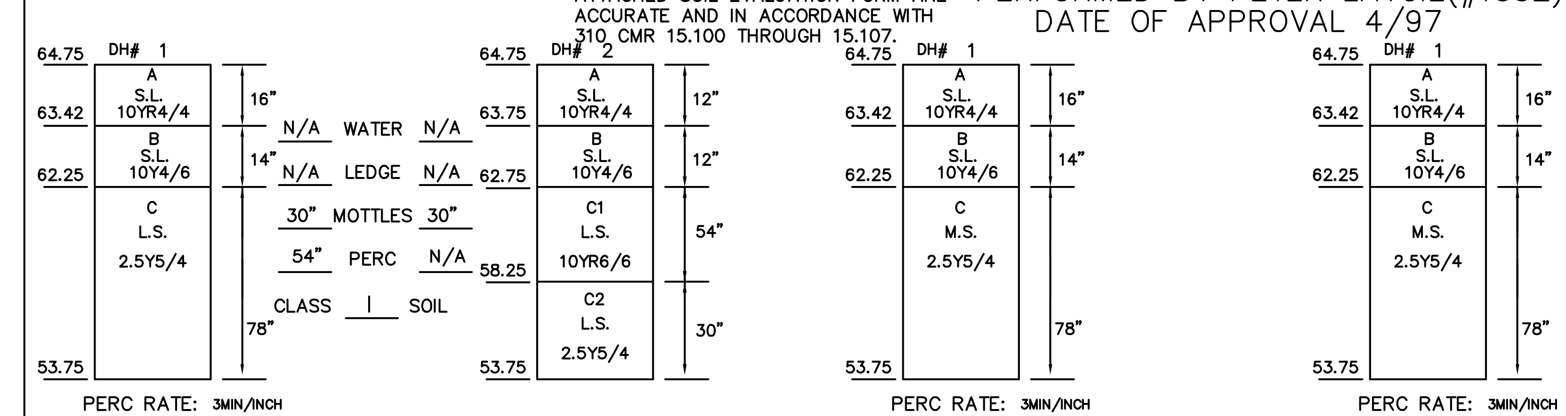
DESIGN ELEVATIONS

TOP OF CONCRETE	72.00
BASEMENT SLAB	64.50
INV. AT FOUNDATION	67.75
INV. AT SEPTIC TANK INLET	67.55
INV. AT SEPTIC TANK OUTLET	67.30
INV. AT DIST. BOX INLET	67.17
INV. AT DIST. BOX OUTLET	67.00
ELEV. TOP OF CHAMBER	67.25
INV. AT CHAMBER	66.92
EL. AT BOTTOM OF LEACHING BED	66.25
ELEV. OF GROUND WATER	62.25
	(DTH#1)

SOIL LOGS 135 HOPE STREET
DATE OF SOIL TESTING 8-17-22
PERFORMED BY PETER LAVOIE
WITNESSED: BRAIN DARLING

I CERTIFY THAT I AM CURREMTLY APPROVED BY THE DEP PURSUANT TO 310 CMR 15.017 TO CONDUCT SOIL EVALUATIONS AND THAT THE ABOVE ANALYSIS HAS BEEN PERFORMED BY ME CONSISTENT WITH THE REQUIRED TRAINING, EXPERTISE AND EXPERIENCE DESCRIBED IN 310 CMR 15.017.I FURTHER CERTIFY THATT THE RESULTS OF MY SOIL EVALUATION, AS INDICTAED IN THE ATTACHED SOIL EVALUATION FORM ARE ACCURATE AND IN ACCORDANCE WITH 310 CMR 15.100 THROUGH 15.107.

PERFORMED BY PETER LAVOIE(#1332)
DATE OF APPROVAL 4/97



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" REQUESTING.
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.

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 PUBLIS WATER.
6. THE LOT IS NOT IN THE AQUIFER PROTECTION DISTRICT, FLOOD PLAIN DISTRICT.
7. MAGNETIC TAPE TO BE PLACED ON TOP OF SEPTIC TANK, D-BOX AND ALL ACTIVE LINES IN THE PROPOSED LEACH FIELD.

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 19 LOT 635.
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.

FLOW INFORMATION

TYPE OF BUILDING	SINGLE FAMILY HOUSE
EMPLOYEES	N/A
DISPOSAL	NO
BEDROOMS	3 BEDROOM
PERSONS	N/A
OTHER	N/A
DAILY FLOW	3 x 110 = 330

USE: 4 ROWS OF 7 UNITS
PROPOSED 1,500 GAL. S.T.

5 OUTLET D.B.

LEACHING FACILITY DESIGN CRITERIA
TITLE V
PERC. DESIGN RATE 5 MIN./INCH
DESIGN FLOW 330
E.L.R.=PERC. RATE FACTOR=0.74gpd/sf
QUICK 4 STANDARD (BED CONFIG.)
EFFECTIVE LEACHING AREA= 4.73 sf/ft
CHAMBER LENGTH = 4.0 ft
REQUIRED
FLOW = 3 X 110 = 330 gpd
AREA = 330 / 0.74 = 446 s.f.
EQ. # = 446 / 4.73 = 94.0 feet
UNITS = 94 / 4.0 = 24 chambers
PROVIDED
UNITS = 4 x 7 = 28 chambers
28 UNITS X 4.0 LF PER UNIT = 104 LF PROP.
104 LF PROP. X 4.73 SF PER LF= 492 SF PROP.
FLOW = 492 x 0.74 = 364 gpd

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.

143 HOPE STREET - BUILDERS LOT 3

SITE DEVELOPMENT & SEPTIC DESIGN PLAN

IN

SEEKONK, MA

SCALE: 20 FEET
DATE: DECEMBER 12, 2022
REV. 1/29/23

OWNER:
PASQUALINA RENDINE
135 HOPE STREET
SEEKONK, MA 02771

PREPARED FOR:
GEORGE MURPHY
MEADOW ROAD
SEEKONK, MA 02771

Landmark Site Design
Civil Engineering & Land Surveying
1267 GLEBE STREET, TAUNTON MA 02780
(774-265-0851
www.plavoie69@gmail.com