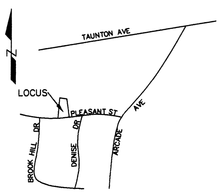
## LOCUS
(N.T.S.)

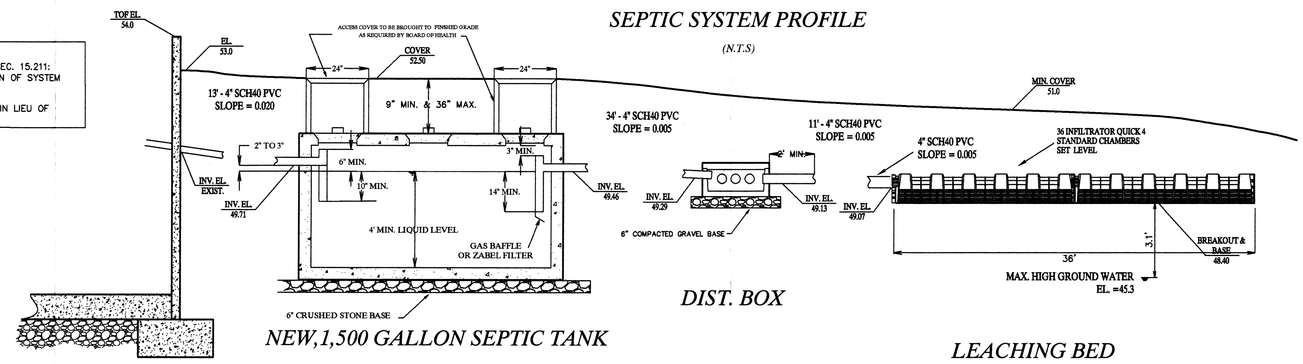



VARIANCES REQUESTED FROM TITLE V, SEC. 15.211:
1. TO REDUCE THE REQUIRED 4' SEPARATION OF SYSTEM TO GROUNDWATER TO 3'.
2. TO ALLOW THE USE OF SIEVE ANALYSIS IN LIEU OF PERCOLATION TEST.

I CERTIFY THAT I HAVE CONTACTED THE SEEKONK WATER DISTRICT AND THE WATER SERVICE CURB STOP TO HSE. #30 IS SHOWN CORRECTLY. THE WATER SERVICE SHOWN ON THIS PLAN IS IN ACCORDANCE WITH THE RULES AND REGULATIONS OF THE SEEKONK WATER DISTRICT.

THIS PROPERTY IS NOT LOCATED IN A GROUND WATER PROTECTION DISTRICT.

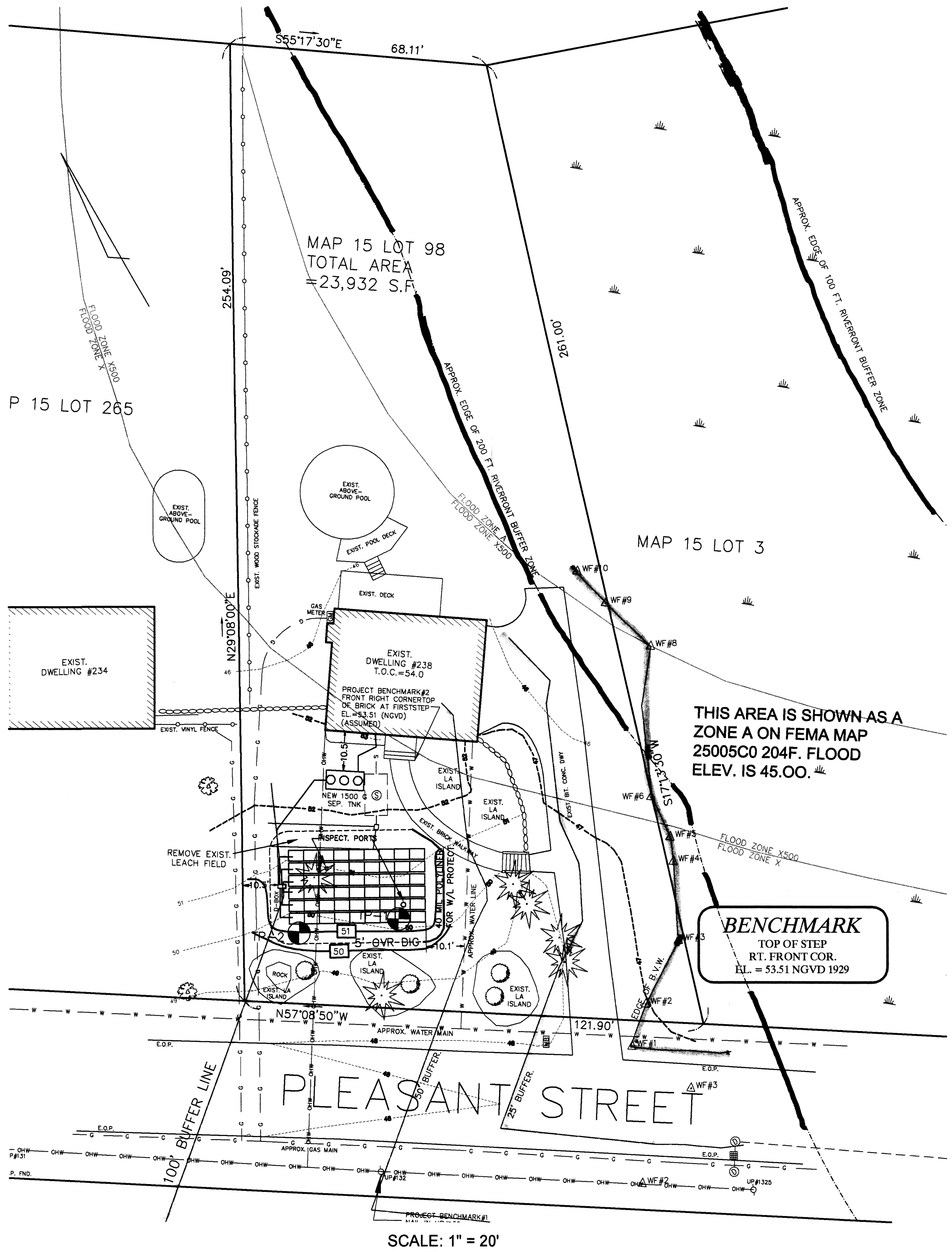
## SEPTIC SYSTEM PROFILE
(N.T.S)



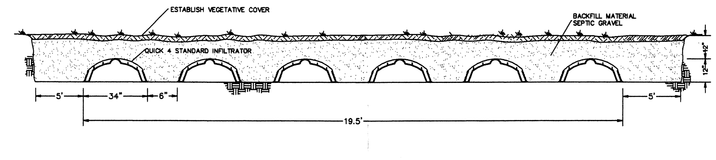

NEW,1,500 GALLON SEPTIC TANK

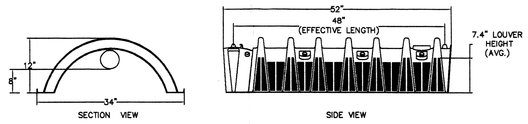
DIST. BOX

LEACHING BED




SCALE: 1" = 20'




LEACHING BED CROSS-SECTION

1. ALL COMPONENTS WILL BE BY CONCRETE PRODUCTS, INC. OR APPROVED EQUAL.
2. ALL PIPE WILL BE 4" SCH 40 PVC.
3. MATERIALS AND METHODS OF CONSTRUCTION SHALL CONFORM TO THE REQUIREMENTS OF TITLE 5, MASS. ENVIRONMENTAL CODE AND ARTICLE 7 OF THE LOCAL BOARD OF HEALTH.
4. ALL OF THE "A" AND "B" LAYERS SHALL BE REMOVED AS PER 310 CR 15.255 (5) FOR A DISTANCE OF 5' FROM ALL SIDES OF THE PROPOSED LEACHING SYSTEM AND FROM BENEATH THE LEACHING SYSTEM TO AN ELEVATION OF 44.3 ± OR UNTIL NATURALLY OCCURRING PERVIOUS MATERIAL IS REACHED AS PER 310 CMR 15.250 AND THE LOCAL B.O.H. OFFICER. AFTER THE EXCAVATION IS COMPLETE, THE AREA WILL BE BACKFILLED TO THE DESIGN ELEVATION AS PER 310 CMR 15.255 (3) AND THE LOCAL B.O.H. OFFICER.
5. ALL UTILITIES SHOWN ARE PLOTTED FROM THE BEST AVAILABLE INFORMATION AND SHOULD BE VERIFIED BY THE CONTRACTOR FOR THE EXACT ELEVATION AND LOCATION PRIOR TO CONS. OF THE PROPOSED SEWAGE DISPOSAL SYSTEM.
6. THIS PLAN IS DESIGNED TO MAXIMUM FEASIBLE COMPLIANCE AS PER CMR 310 15.404 AND 15.406.
7. ANY CHANGES OR VARIATIONS FROM THIS PLAN MUST BE APPROVED, IN WRITING, PRIOR TO CONSTRUCTION BY BOTH MILLER ENGINEERING AND THE LOCAL B.O.H.
8. ALL COMPONENTS SHALL BE CAPABLE OF SUPPORTING AASHTO HS10-44 LOADS.
9. THERE ARE WETLANDS LOCATED WITHIN 250' OF THIS SITE.
10. THIS SITE IS LOCATED WITHIN 250' OF A 100YR. FLOOD ZONE AS SHOWN ON THE LATEST FEMA FIRM MAP 100 YR. FLOOD ELEVATION 45.0 NGVD 1929.
11. DISTRIBUTION BOX SHALL BE EQUIPPED WITH A RISER TO FINISHED GRADE.
12. ALL SYSTEM COMPONENTS SHALL BE MARKED WITH MAGNETIC MARKING TAPE OR OTHER COMPARABLE MEANS IN ORDER TO LOCATE THEM ONCE BURIED.

RECEIVED
JUL 12 2013
SEEKONK CONSERVATION

## DESIGN DATA

1. DESIGN FLOW: EXISTING 3 BEDROOM HOUSE, NO GARBAGE GRINDER
   DESIGN FLOW: 3 BEDROOMS x 110 GAL/DAY = 330 GAL/DAY
2. SOILS INFORMATION: PERCOLATION RATE = <30 MIN. PER IN. SOIL CLASS II
   DESIGN PERCOLATION RATE = <30 MIN. PER. IN.
3. LEACHING AREA PROVIDED: 54 INFILTRATER QUICK 4 STANDARD CHAMBERS IN BED. CONFIG. (8" INVERT) 54 X 4' X 4.72 SF/LIN. FT. = 1019 S.F.
4. CAPACITY: 1019 SQUARE FEET x .33 GAL. PER. SQUARE FOOT = 336 GAL. PER. DAY

## SOIL DATA

SOIL TESTS PERFORMED APR. 8, 2013 BY JAMES MILLER AND WITNESSED BY BETH HALLAL OF THE SEEKONK BOARD OF HEALTH

TEST PIT 1

50.1 — 0
A — SANDY LOAM 10YR3/3
49.1 — 12"
B — FILL (HTM)
45.3 — 58"
C1 — LOAMY SND. 10YR3/2
44.8 — 64"
C2 — MED. SND., 10YR5/4
44.3 — 70"
FINE. SND., STONES 10YR6/1 (SATURATED)
41.6 — 102"
DAMP @ 58"
WEEPING @ 70"
STANDING@90"
SAMPLE TAKEN AT 76"
SIEVE ANALYSIS - SNDY LM.
G.W. DEPTH = 45.3 (58")

TEST PIT 2

49.8 — 0
LOAMY SAND 10YR4/4
FILL (HTM)
NOT LOGGED CONFIRMS TP-1 (SATURATED)

RDA
238 Pleasant

# PROPOSED SEWAGE DISPOSAL SYSTEM

LOCATION: 238 PLEASANT ST. - SEEKONK, MA
A.P. 15, LOT 98

APPLICANT: SEAN SKENYON & JILL PROULX
238 PLEASANT ST. - SEEKONK, MA
508-336-6758

COMMONWEALTH OF MASSACHUSETTS
JAMES E. MILLER
CIVIL
No. 31064
REGISTERED PROFESSIONAL ENGINEER

PREPARED BY
MILLER ENGINEERING
18 TAUNTON ST.
PLAINVILLE, MA 02762
(508) 455-7896

MAY 28, 2013

REV. 06/26/2013 – SHOW NEW WETLAND LINE
REV. 07/01/2013 – CONVERT ELEVATIONS
REV. 07/08/2013 – PER CON COMM AGENT

2013-5