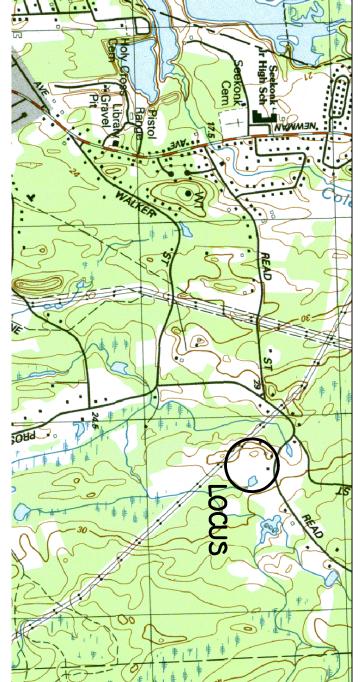


Location (not to scale) Map



80 Specifications

THE REQUIRED INSPECTION SCHEDULE DURING THE PROCESS OF CONSTRUCTION SHALL BE ARRANGED BY THE CONTRACTOR WITH THE **BOARD OF HEALTH & DESIGN ENGINEER** PRIOR TO THE COMMENCEMENT OF CONSTRUCTION. THIS PLAN HAS BEEN PREPARED IN ACCORDANCE WITH THE RULES AND REGULATIONS OF 310 CMR 15 (TITLE V) OF THE COMMONWEALTH OF MASSACHUSETTS AND THOSE OF THE TOWN OF SEEKONK BOARD OF HEALTH.

ALL STONE SHALL BE DOUBLE WASHED AND FREE OF IRONS, CLAY OR FINES AND SHALL BE SATISFACTORY TO THE TOWN OF SEEKONK BOARD OF HEALTH. 1500 GALLON SEPTIC TANK AND 5 OUTLET DISTRIBUTION BOX SHALL BE STANDARD DUTY DESIGN AS MANUFACTURED BY ROTONDO & SONS, INC. OR APPROVED EQUAL ALL PIPING SHALL BE 4" DIA. SCHD. 40 NSF PVC, WITH ALL JOINTS SEALED WATERTIGHT.

THE PROPOSED SEPTIC SYSTEM IS NOT LOCATED WITHIN THE CONE OF INFLUENCE OF ANY MUNICIPAL WELL NOR ARE THERE ANY PRIVATE WELLS LOCATED WITHIN 100 FEET (RADIALLY) OF THE PROPOSED SYSTEM. THIS SYSTEM IS NOT DESIGNED TO ACCOMODATE A GARBAGE DISPOSAL OR OTHER HIGH WATER USE UNITS.

EXCAVATE ALL TOP, SUB AND ANY OTHER SOILS ENCOUNTERED DOWN INTO THE SAND LAYER, ELEVATION 91.0 AND FOR A HORIZONTAL DISTANCE OF 5' ON ALL SIDES OF THE PROPOSED SYSTEM. BACKFILL TO ELEVATION = 98.0 WITH SELECT ON—SITE OR IMPORTED SOIL MATERIAL CONSISTING OF CLEAN GRANULAR SAND, FREE OF ORGANIC MATTER OR OTHER DELETERIOUS SUBSTANCES AND MEETING THE SIEVE SIZE REQUIREMENTS OF 310 CMR 15.255(3) & (5) [CONSTRUCTION IN FILL].

ELEVATIONS SHOWN ON THIS PLAN ARE BASED ON ASSUMED DATUM. MAGNETIC LOCATION TAPE TO BE PLACED OVER SEPTIC SYSTEM COMPONENTS IN ACCORDANCE WITH 310 CMR 15.221 (12)

SOIL ABSORPTION SYSTEM SHALL HAVE A MINIMUM OF ONE (1) INSPECTION PORT CONSISTING OF A PERFORATED FOUR (4) INCH PIPE PLACED VERTICALLY DOWN INTO THE STONE TO THE NATURALLY OCCURRING SOIL OR SAND FILL BELOW THE STONE. THE PIPE SHALL BE CAPPED WITH A SCREW TYPE CAP AND ACCESSIBLE TO WITHIN THREE (3) INCHES OF FINISH GRADE IN ACCORDANCE WITH 310 CMR 15.240 (13) CONTRACTOR SHALL VERIFY EXISTING CONDITIONS AND NOTIFY THE ENGINEER OF ANY DISCREPANCIES PRIOR TO THE CONTINUATION OF CONSTRUCTION

Requested Variances

VARIANCES REQUIRED FOR THIS INSTALLATION.

Calculations

Average PROPOSED 3 3 BEDROOM DWELLING @ 110 GPD PER BEDROOM =

Septic Tank Sizing (Gallons)

200% AVERAGE DAILY FLOW = 2(330) = 660 GALLONS

3 BEDROOM HOME REQUIRES 1500 GALLON TANK (MINIMUM).

Leaching Area Calculations SOIL CLASS: CLASS (SAND)

PERC RATE IN TP1 WAS LESS THAN 2 MPI PERC RATE IN TP2 WAS LESS THAN 2 MPI DESIGN FOR 5 MPI PER TITLE V.

Required Minimum Leaching Area: ADF = 330 GPD / 0.74 GPD / SF = 446 SF TRY: LEACHING FIELD 14' WIDE AND 32' LONG $14' \times 32' = 448 \text{ SF}$

SF > REQUIRED

Septic System Design Plan

23 Lot 45

PREPARED FOR

• bhn Trenteseaux

~612, Pawtucket, F 8 Ursulas Way, Seekonk, Massachusetts

PREPARED BY Rhode Island 02861

Legend

GRAPHIC

SCALE

(IN inch

Soi

Report

80

Test

Data

SOL TEST PIT

EXISTING CONTOUR

PROPOSED CONTOUR

100

Date: September 9, 2009 Revised: September 17, 2009 Pro-Line Engineering, Inc.
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= 30' Comments

09-125ss