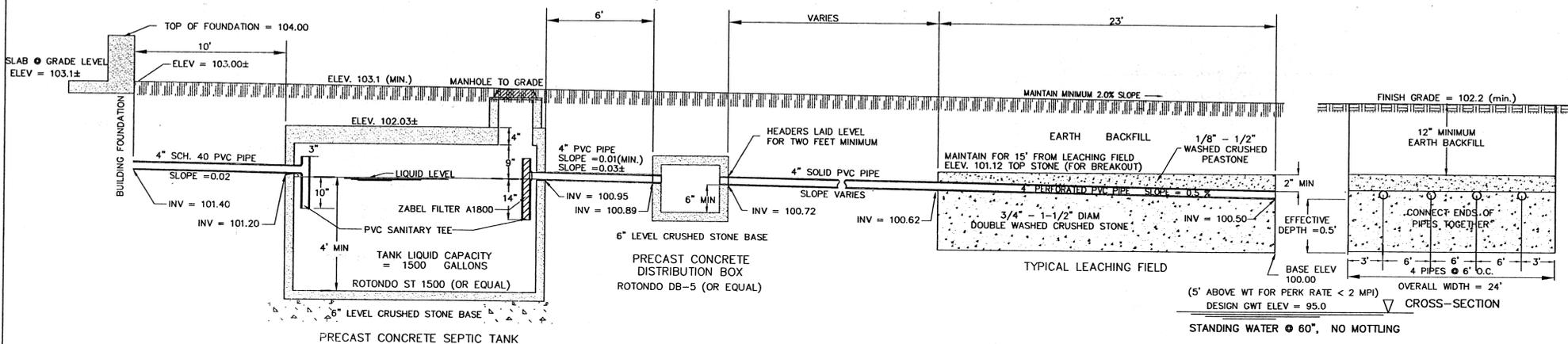


CROSS-SECTION THROUGH SEPTIC SYSTEM
NOT TO SCALE



Location Map



Septic System Notes & Specifications

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.

THE REQUIRED INSPECTION SCHEDULE DURING THE PROCESS OF CONSTRUCTION SHALL BE ARRANGED BY THE CONTRACTOR WITH THE BOARD OF HEALTH PRIOR TO THE COMMENCEMENT OF CONSTRUCTION.

1500 GALLON SEPTIC TANK AND 5 OUTLET DISTRIBUTION BOX SHALL BE STANDARD DUTY DESIGN AS MANUFACTURED BY A. ROTONDO & SONS, INC., M & S CEMENT BLOCK CO. OR APPROVED EQUAL.

ALL PIPING SHALL BE 4" DIA. SCHD.40 NSF PVC, WITH ALL JOINTS SEALED WATERTIGHT.

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.

THIS SYSTEM IS NOT DESIGNED TO ACCOMMODATE A GARBAGE DISPOSAL OR OTHER HIGH WATER USE UNITS.

THE PROPOSED SEPTIC SYSTEM IS NOT LOCATED WITHIN THE CONE OF INFLUENCE OF ANY MUNICIPAL WELL NOR ARE THERE ANY PRIVATE WELLS LOCATED WITHIN 150 FEET (RADIALLY) OF THE PROPOSED SYSTEM.

EXCAVATE ALL TOP, SUB AND ANY OTHER SOILS ENCOUNTERED DOWN TO THE "C" SAND LAYER FOR A HORIZONTAL DISTANCE OF 5' ON ALL SIDES OF THE PROPOSED SYSTEM. BACKFILL TO ELEVATION = 101.12 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].

CONTRACTOR SHALL VERIFY EXISTING CONDITIONS AND NOTIFY THE ENGINEER OF ANY DISCREPANCIES PRIOR TO THE CONTINUATION OF CONSTRUCTION

WATER TABLE FLUCTUATES ANNUALLY, NO WARRANTY OF A DRY BASEMENT IS EXPRESSED OR IMPLIED.

THE LOT DOES NOT LIE IN A FLOOD HAZARD ZONE.

Design Calculations

AVERAGE DAILY SEWAGE FLOW (GALLONS)
PROPOSED 3 BEDROOM DWELLING @ 110 GPD PER BEDROOM = 330 GPD

SEPTIC TANK SIZING (GALLONS)
200% AVERAGE DAILY FLOW = 2(330) = 660 GALLONS
3 BEDROOM HOME REQUIRES 1500 GALLON TANK (MINIMUM).

LEACHING AREA CALCULATION
SOIL CLASS: CLASS II (SANDY LOAM) PERK RATE IN TP 1 WAS 1 MPI
PERK RATE IN TP 2 WAS 1 MPI
DESIGN FOR 5 MPI PER TITLE V

REQUIRED MINIMUM LEACHING AREA:
ADF = 330 GPD / 0.60 GPD / SF = 550 SF MINIMUM
TRY: LEACHING FIELD 24' WIDE AND 23' LONG
24' x 23' = 552 SF
DESIGN TOTAL = 552 SF
DESIGN = 552 SF > REQUIRED = 550 SF OK

Septic System Design Plan
LOT 33 ARCADE AVE.
SEEKONK, MASSACHUSETTS

PREPARED FOR
CARL WINQUIST
38 MALLARD COVEWAY
BARRINGTON, RI 02806

DESIGNED BY: MSF DRAFTED BY: MSF CHECKED BY: PDC
PREPARED BY:



PROFESSIONAL ENGINEERS
AND LAND SURVEYORS
1563 Fall River Avenue, Suite 4
Seekonk, Massachusetts 02769
(508) 336-4500

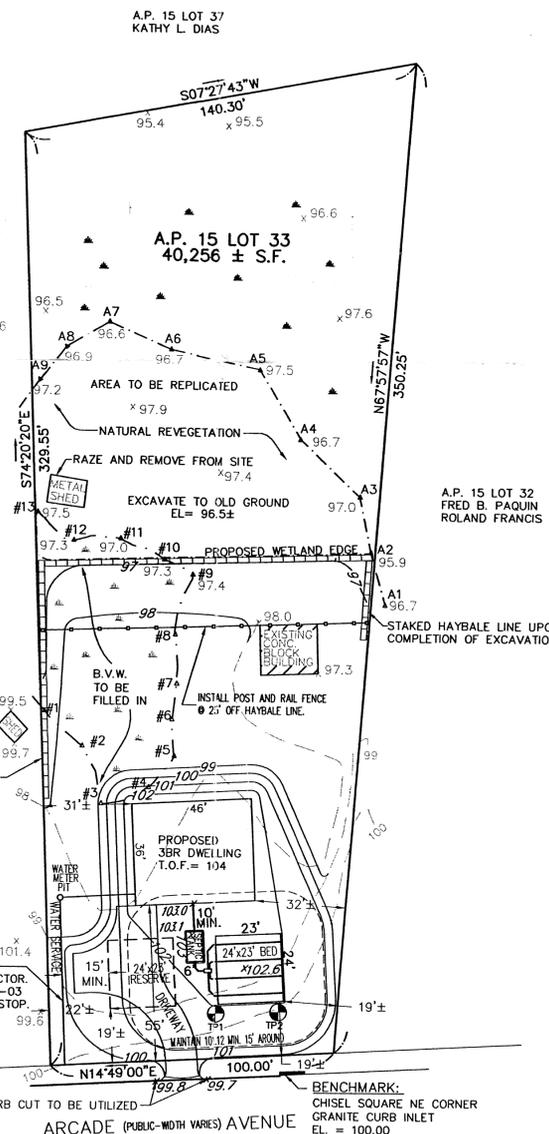
Date: November 21, 2003

Scale: 1" = 30'

TP#1 SURFACE ELEV. = 99.6 (NO MOTTLING)
TP#2 SURFACE ELEV. = 100.0 (NO MOTTLING)
DESIGN WATER TABLE = 95.0

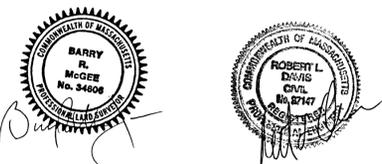
Soil Report & Test Data

Depth	Soil Description	Moisture (%)	Specific Gravity	Soil Color	Soil Structure	Soil Consistency	Soil Odor
0-12"	Dark brown silty clay	28.5	2.65	10YR 4/2	Blocky	Stiff	None
12-24"	Dark brown silty clay	28.5	2.65	10YR 4/2	Blocky	Stiff	None
24-36"	Dark brown silty clay	28.5	2.65	10YR 4/2	Blocky	Stiff	None
36-48"	Dark brown silty clay	28.5	2.65	10YR 4/2	Blocky	Stiff	None
48-60"	Dark brown silty clay	28.5	2.65	10YR 4/2	Blocky	Stiff	None



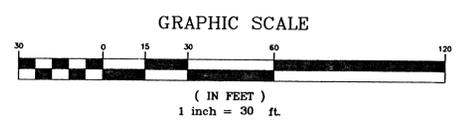
NOTE:
ALTERATION AREA (FILL) 3,150 ± S.F.
EXCAVATED AREA (REPLICATION) 5,850 ± S.F.
LARGE TREES IN REPLICATION AREA TO REMAIN. EXCAVATE TO DRIP EDGE ONLY UNLESS FILL SURROUNDS TREE TO THE TRUNK.

NOTICE OF INTENT PLAN IN SEEKONK, MASS.
KENNETH AND THERESA MACE
17 CUSHMAN AVENUE, E. PROV., R.I. 02914
SCALE: 1" = 20'
JULY 30, 2002, REVISED NOV. 26, 2002
PREPARED BY
B.R.McGEE AND ASSOCIATES, INC.
71 FALL RIVER AVE., REHOBOTH MA. 02769



Legend

- SOIL TEST PIT
- EXISTING CONTOUR
- PROPOSED CONTOUR
- PROPOSED GRADE
- EXISTING GRADE



Received
DEC 15 2003
Con. Comm.

69-506