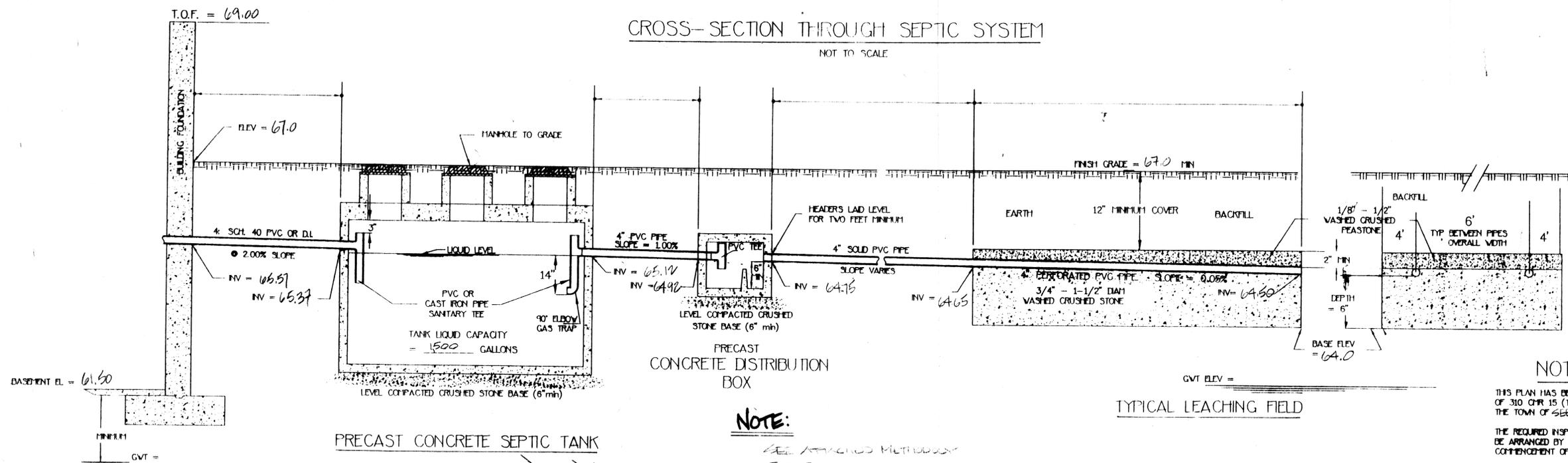
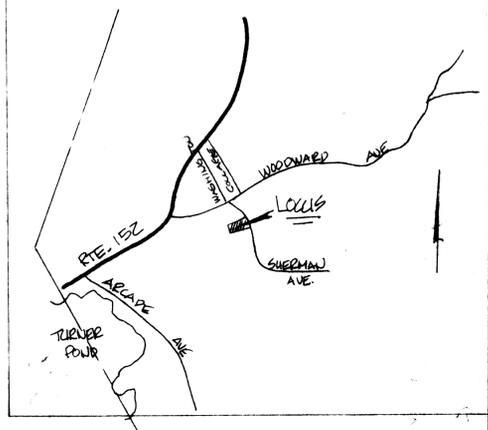


CROSS-SECTION THROUGH SEPTIC SYSTEM

NOT TO SCALE



LOCATION (not to scale) MAP



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. 11 & 5 CEMENT BLOCK CO. OR APPROVED EQUAL.

ALL PIPING OUTSIDE THE DISPOSAL AREA SHALL BE 4" DIA. SCH. 40 NSF PVC OR ABS, WITH ALL JOINTS SEALED WATER TIGHT.

ALL WASHED STONE SHALL BE 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 100 FEET (RADIALLY) OF THE PROPOSED SYSTEM.

EXCAVATE ALL TOP SOIL AND ANY OTHER SOILS ENCOUNTERED DOWN TO THE SHRUBS AND OUT 10 FEET FROM ALL SIDES OF THE PROPOSED SYSTEM. BACKFILL TO ELEVATION 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 THE LOT SHOWN HEREON DOES / DOES NOT LIE IN A SPECIAL FLOOD HAZARD ZONE.

THE LOT SHOWN HEREON IS / IS NOT LOCATED IN THE GROUNDWATER PROTECTION DISTRICT.

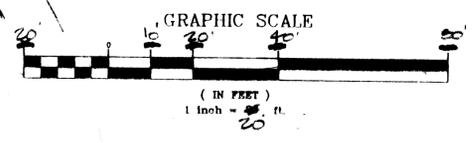
NOTE:

SEE ATTACHED METHUEN FOR REPLICATION AREA

SOIL LOG DATA

GRD EL. =	DESCRIPTION	THICKNESS	GRD EL. =	DESCRIPTION	THICKNESS
0	A L	10 1/2	0	A L	15 1/2
1	B ₁ SL	10 1/2	1	B ₁ SL	10 1/2
2	C ₁ S	10 1/2	2	C ₁ S	10 1/2
3		Med	3		Med
4	G ₂ S	10 1/2	4		Med
5		Fine Loose	5	C ₂ S	10 1/2
6	C ₃ SIL		6		Fine
7			7		
8	C ₄ S	10 1/2	8		
9		Fine Loose	9		NO MOTTLES
10			10		
11			11		NO MOTTLES
12			12		
13			13		
14			14		
15			15		

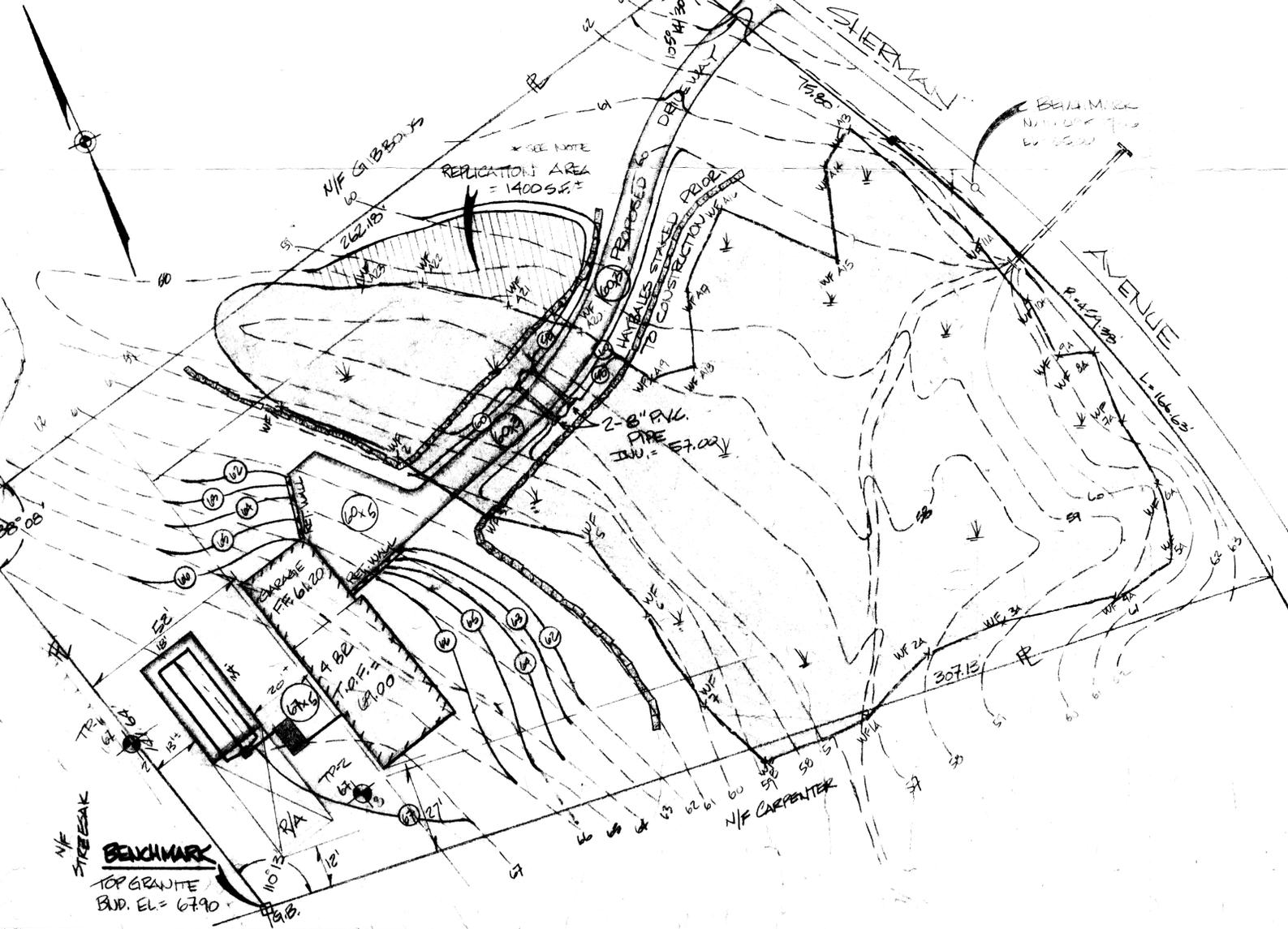
PERCOLATION TEST PERFORMED ON 1-6-99
 PERFORMED BY JOSEPH ZELBIAC
 WATER TABLE ESTABLISHED



LEGEND

- EXISTING CONTOUR (dashed line with 'x' marks)
- PROPOSED CONTOUR (solid line with 'x' marks)
- SOIL TEST HOLE (circle with 'x' in center)
- FLAGGED WETLANDS LINE (dashed line with 'x' marks)
- LINE OF 100' BUFFER ZONE (dashed line)

PRECAST CONCRETE SEPTIC TANK



DESIGN DATA

AVERAGE DAILY SEWAGE FLOW (GALLONS)
 PROPOSED 4 BEDROOM DWELLING @ 110 GPD PER BEDROOM = 440 GPD

SEPTIC TANK SIZING (GALLONS)
 200% AVERAGE DAILY FLOW = 2(440) = 880 GALLONS
 3 BEDROOM HOME REQUIRES 1500 GALLON TANK (MINIMUM)

LEACHING AREA CALCULATION (PERK RATE IN THIN WAS 2 IN)
 SOIL CLASS CLASS I
 REQUIRED MINIMUM LEACHING AREA:
 $A_{LF} = \frac{440 \text{ GPD}}{.14 \text{ GPD / SF}} = 595 \text{ SF MINIMUM}$
 TRY: $13' \times 34' = 612 \text{ SF}$

DESIGN TOTAL = 612 SF
 DESIGN = 612 SF > REQUIRED = 595 SF OK

69-408

SEWAGE DISPOSAL SYSTEM PLAN LOCATED IN THE TOWN OF SEEKONK	
OWNER: <u>DUNN CONTRACTING INC</u>	
AP. <u>21</u> LOT <u>215</u>	
SUBMISSION LOT # _____	
STREET LOCATION <u>SHERMAN AVENUE</u>	
PROFESSIONAL ENGINEER OR REG. SANITARIAN	M B.R. MCGEE & ASSOCIATES 71 FALL RIVER AVENUE REHOBOTH MASSACHUSETTS 508-336-4500 CONTACT PERSON: BARRY MCGEE
PROFESSIONAL SURVEYOR	DATE: <u>JANUARY, 1999</u>