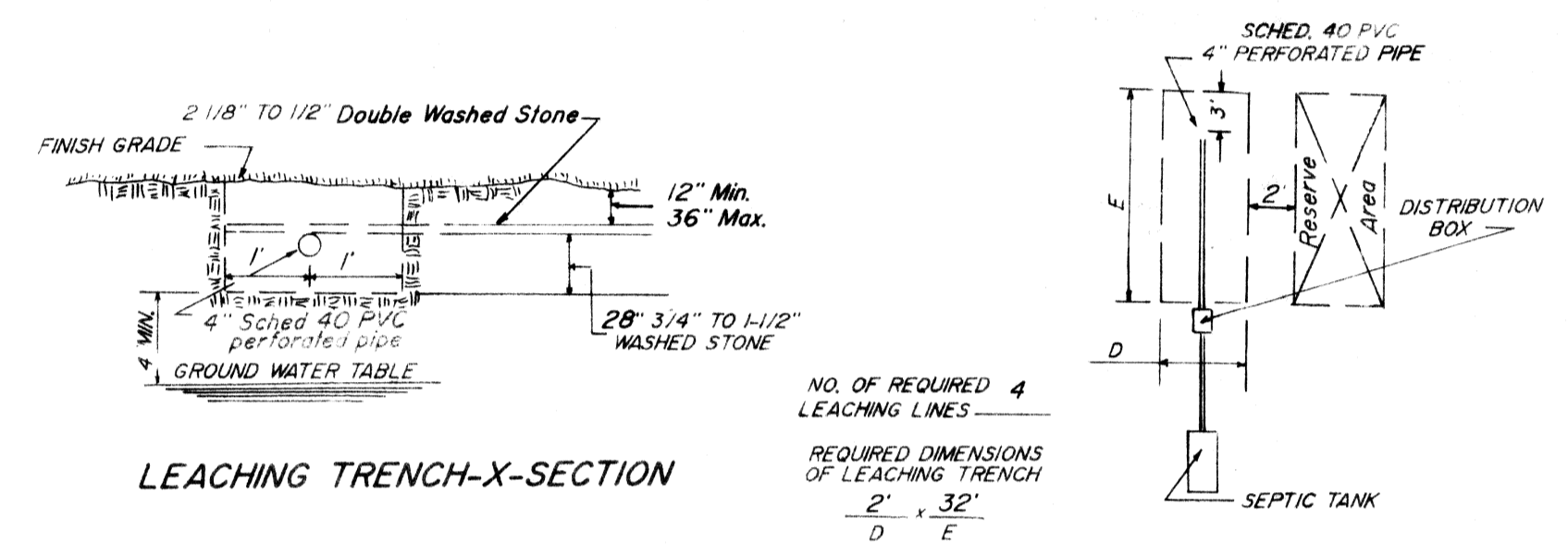


1500 Gallon Septic Tank Distribution Box Leaching Trench

For proper performance, septic tank should be inspected annually and when the total depth of scum and solids exceeds 1/3 the liquid depth of the tank, the tank should be pumped.

**PROFILE**

310 CMR 15.255 (5) Where fill is required to replace unsuitable or impermeable soils, the excavation of the unsuitable material shall extend a minimum of five feet laterally in all directions beyond the outer perimeter of the soil absorption system to the depth of naturally occurring pervious material as required by 310 CMR 15.240 (Soil absorption systems) and replaced with fill material meeting the specifications of 310 CMR 15.255 (3).



LEACHING TRENCH-X-SECTION

PLAN-LEACHING TRENCH

**PLAN**

Note: Leaching area requirement is not increased by 50% therefore the design of this system does not permit the use of garbage disposal units.

No permanent structures shall be constructed over the reserve area.

Elevation	Schedule	Design Elevation
Top of foundation		154.6
Finished basement floor		147.1
Finished garage floor		154.1
Sewer invert at foundation		150.13
Sewer invert into septic tank		149.88
Sewer invert out of septic tank		149.43
Sewer invert into distribution box		149.03
Sewer invert out of distribution box		148.86
Sewer invert at Leaching trench		148.70
Elevation of ground water table (ENC. TP.13)		142.7

**Leaching Area Design Analysis**

Required: 4 Bedrooms at 110 gpd/br = 440 gpd

Design: 440 gpd total effluent

Design perc rate 4 min./inch

Bottom area = 256 s.f. x 0.6 = 153.6 gpd

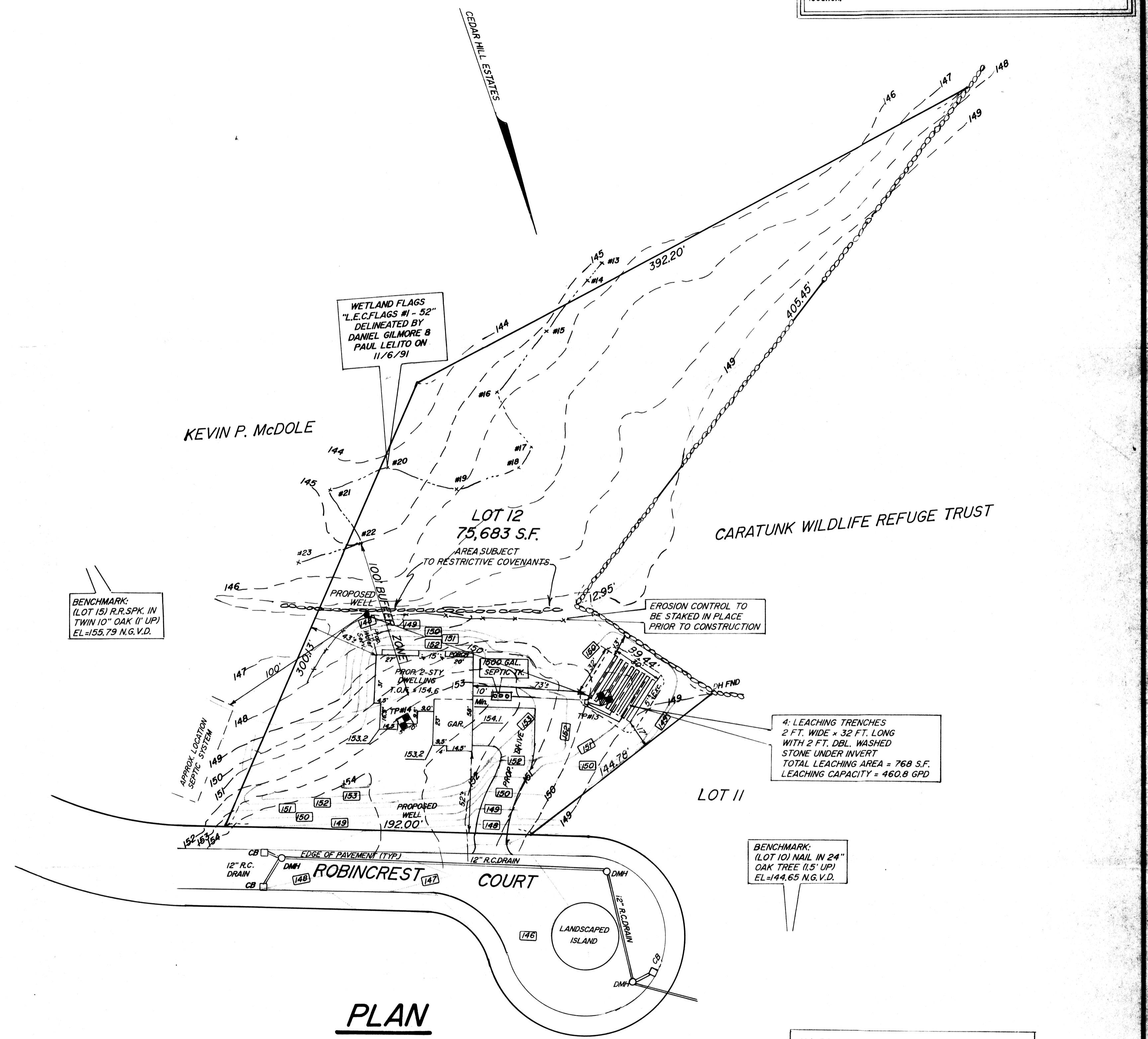
Sidewall area = 512 s.f. x 0.6 = 307.2 gpd

Total leaching area 768 s.f. w/capacity of 460 gpd

LOCATION OF UNDERGROUND UTILITIES TAKEN FROM THE BEST AVAILABLE INFORMATION AND IS NOT WARRANTED TO BE CORRECT NOR THAT ALL UNDERGROUND UTILITIES ARE SHOWN. IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO NOTIFY ALL UTILITY COMPANIES AND AGENCIES PRIOR TO CONSTRUCTION FOR LOCATION OF ALL UNDERGROUND UTILITIES.

This sanitary disposal facility shall be constructed in accordance with the requirements of Title 5 of the State Environmental Code and no variations from this design shall be allowed without prior approval of this office. Due to soil conditions, water table elevation and acceptable material found can vary and should be verified prior to the time of construction.

If an As-Built survey of the system is required, this office shall be notified prior to backfilling the system components for our inspection and field location.



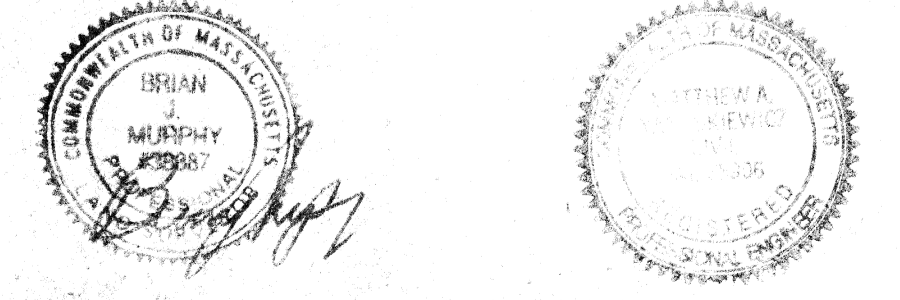
**PLAN**

Soil Examination Report  
Examination taken by Gordon Wolfe on 4/28/1989 and witnessed by M. Mello Board of Health Agent

Test Pit no.	Test Pit no.	Test Pit no.	Test Pit no.	Test Pit no.
13	14			
Ground Surface el. 149.7	Ground Surface el. 153.2	Ground Surface el.	Ground Surface el.	Ground Surface el.
0 TOPSOIL & SUBSOIL	0 TOPSOIL & SUBSOIL	0	0	0
2	2	2	2	2
4 SILTY SAND & GRAVEL	4 MEDIUM SAND & GRAVEL	4	4	4
6	6	6	6	6
8	8	8	8	8
9 BOTTOM	10	10	10	10
12 WATER ENC # EL. 142.7 ON 4/28/89	12 WATER ENC # EL. 142.2 ON 4/28/89	12	12	12
14	14	14	14	14
Perc Test Taken at 3.7-4.7 feet Rate = 4 min./inch	Perc Test Taken at 3-4 feet Rate = 6 min./inch	Perc Test Taken at ___ feet Rate = ___ min./inch	Perc Test Taken at ___ feet Rate = ___ min./inch	Perc Test Taken at ___ feet Rate = ___ min./inch

I certify that the sewage disposal facility shown hereon has been designed in accordance with the regulations of the local Board of Health and Title 5 of the State Environmental Code.

11-19-96 *Matthew M. Murphy*  
Date Professional Engineer



NOTE: ZONING - R 4 AND GROUNDWATER AQUIFER PROTECTION DISTRICT

Remarks: Lot has been staked

Type of Building: 2-STY. DWELLING

Assessors Plan no. 28

Lot no.

Zoning classification: See "Note"

Min. setbacks: F. 50' S. 40' R. 80'

Legend: Existing topography 100, Proposed contours 100, Existing elevation 100x100, Proposed elevation 100, Finished surface grade flow test pit location

Date	Checked	Revision

Designed by: S.E.S.  
Drawn by: P.A.S.  
Checked by: M.A.Y.  
Approved by: M.A.Y./B.J.M.

Date: NOV. 13, 1996  
Scale: 1" = 40'

ALL BENCHMARKS SHOWN ON THIS PLAN ARE TO BE CHECKED FOR CONSISTENCY BY THE CONTRACTOR. ANY DISCREPANCIES MUST BE RESOLVED BY THIS OFFICE PRIOR TO CONSTRUCTION.

TOPOGRAPHY FROM APPROVED SUBDIVISION DATED 12/27/90

MONARCH BUILDERS INC.  
WINTHROP ST. REHOBOTH, MASS.

**ON-SITE SANITARY DISPOSAL SYSTEM**

LOT 12  
ROBINCREST COURT SEEKONK, MASS.

FREEMAN ENGINEERING COMPANY ENGINEERS  
A Division of Hayward - Boynton & Williams, Inc.  
Brookline Taunton

SEEKONK SURVEYORS  
178 N.MAIN ST. ATTLEBORO, MASS.

Sheet 1 of 1

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