

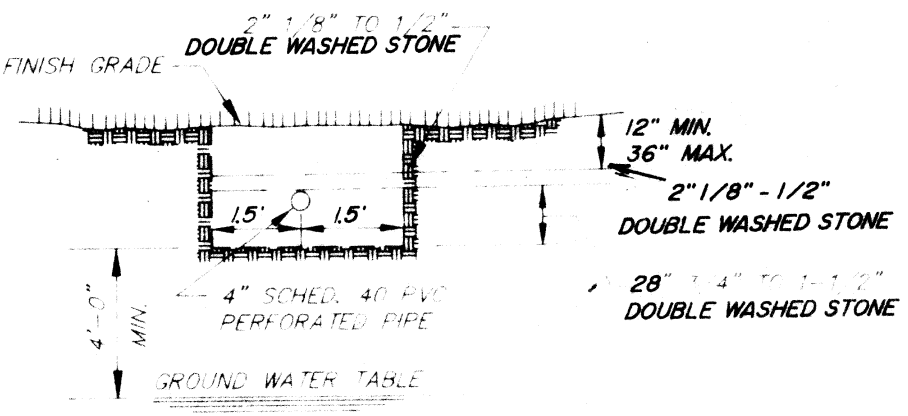
1500 GALLON SEPTIC TANK

DISTRIBUTION BOX

LEACHING TRENCH

PROFILE

FOR PROPER PERFORMANCE, SEPTIC TANK SHOULD BE INSPECTED ANNUALLY. WHEN THE TOTAL DEPTH OF SCUM AND SOLIDS EXCEEDS 1/3 THE LIQUID DEPTH OF THE TANK, THE TANK SHOULD BE PUMPED.



LEACHING TRENCH - X - SECTION

NO. OF REQUIRED LEACHING LINES 4

REQUIRED DIMENSIONS OF LEACHING TRENCH 3' x 30'

PLAN - LEACHING TRENCH

NO PERMANENT STRUCTURE SHALL BE CONSTRUCTED OVER THE RESERVE AREA

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 FT. 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).

ELEVATION SCHEDULE	DESIGN ELEVATION
TOP OF FOUNDATION	156.0
FINISHED BASEMENT FLOOR	148.5
FINISHED GARAGE FLOOR	155.5
SEWER INVERT AT FOUNDATION	152.22
SEWER INVERT INTO SEPTIC TANK	152.02
SEWER INVERT OUT OF SEPTIC TANK	151.77
SEWER INVERT INTO DISTRIBUTION BOX	151.57
SEWER INVERT OUT OF DISTRIBUTION BOX	151.40
SEWER INVERT AT END OF LEACHING TRENCH	151.20
ELEVATION OF GROUND WATER TABLE	145.2

**LEACHING AREA DESIGN ANALYSIS**

REQUIRED: 4 BEDROOMS AT 110 GPD/BR 440 GPD

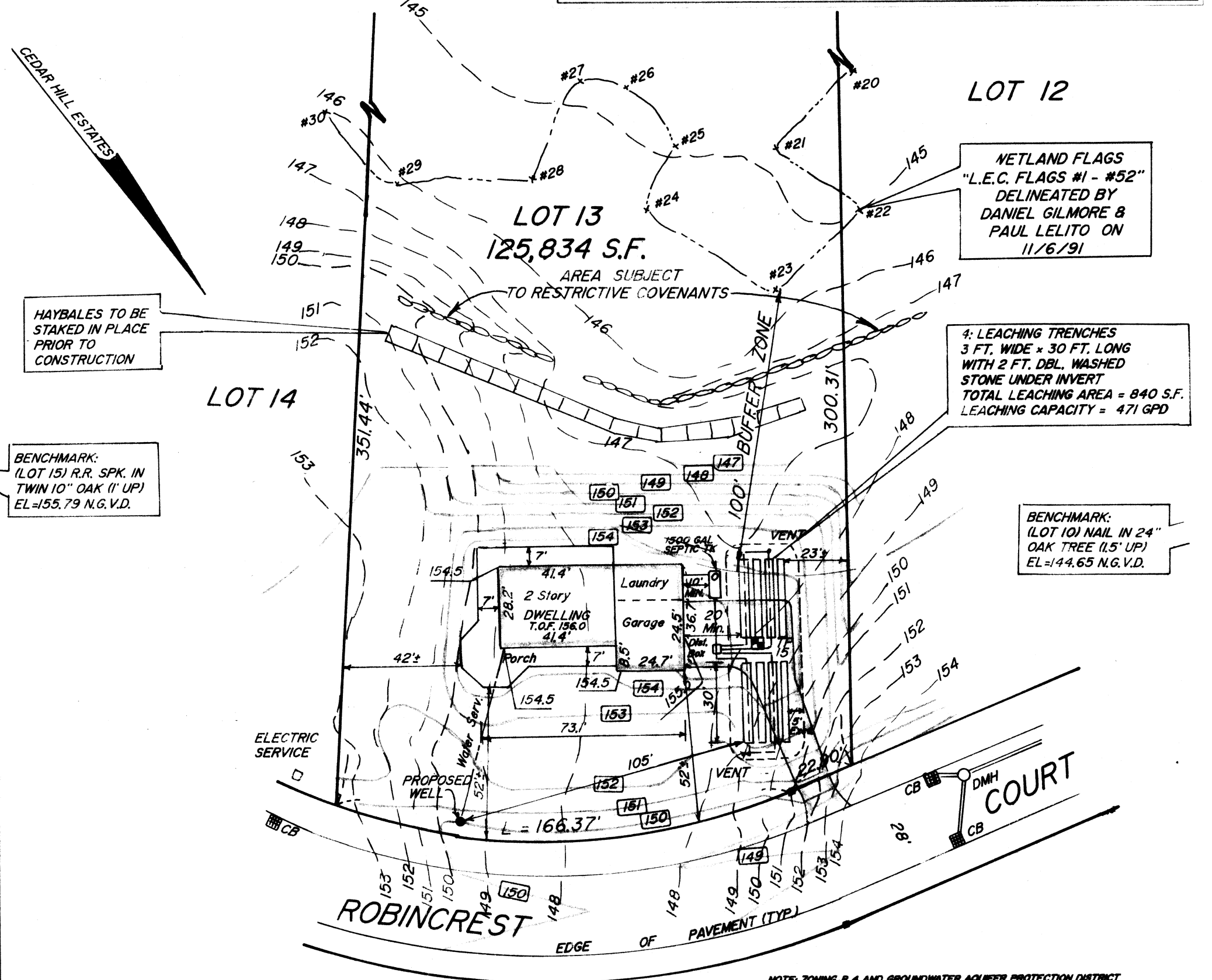
DESIGN: DESIGN PERC. RATE 15 MIN./INCH

BOTTOM AREA = 360 SF x 0.56 = 202 GPD  
 SIDEWALL AREA = 480 SF x 0.56 = 269 GPD  
 TOTAL LEACHING AREA = 840 SF W/ CAPACITY OF 471 GPD

**SOIL EXAMINATION REPORT**

EXAMINATION TAKEN BY GORDON WOLFE ON MAY 5, 1989 AND WITNESSED BY M. MELLO BOARD OF HEALTH AGENT

TEST PIT No. 15	TEST PIT No. _____	TEST PIT No. _____	TEST PIT No. _____	TEST PIT No. _____
GROUND SURFACE EL. 148.2	GROUND SURFACE EL. _____	GROUND SURFACE EL. _____	GROUND SURFACE EL. _____	GROUND SURFACE EL. _____
0 - TOP & SUBSOIL	0 -	0 -	0 -	0 -
2 - WATER ENC. @ 2.2' EL. 145.2 5/5/89	2 -	2 -	2 -	2 -
4 - GRAY MED. SAND & GRAVEL WATER ENC. @ 6.4' EL. 141.8 4/27/94	4 -	4 -	4 -	4 -
6 -	6 -	6 -	6 -	6 -
8 -	8 -	8 -	8 -	8 -
10 - BOTTOM	10 -	10 -	10 -	10 -
12 -	12 -	12 -	12 -	12 -
14 -	14 -	14 -	14 -	14 -
PERC. TEST TAKEN AT 2.2'-3.2' FEET RATE = 15 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	PERC. TEST TAKEN AT _____ FEET RATE = _____ MIN./INCH



REMARKS	LEGEND
LOT HAS BEEN STAKED	EXISTING CONTOURS
TYPE OF BUILDING: 2 STY. DWELLING	PROPOSED CONTOURS
ADJACENT'S PLAN NO. 20	EXISTING ELEVATION
LOT	PROPOSED ELEVATION
ZONING CLASSIFICATION: SEE NOTE	FINISHED SURFACE GRADE FLOW
MIN. TRACKING: 50'	TEST PIT LOCATION AND NUMBER
DATE: 7/9/96	FROM APPROVED SUBDIVISION DATED 12/27/90

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 8 OF THE STATE ENVIRONMENTAL CODE.

DATE: 7-12-96

James B. Williams, No. 24050, REGISTERED LAND SURVEYOR

Professional Engineer Seal

APPROVED BY: J.B.W./M.A.Y. DATE: JULY 9, 1996

THIS SANITARY DISPOSAL FACILITY SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE REQUIREMENTS OF TITLE 8 OF THE STATE ENVIRONMENTAL CODE AND NO VARIATIONS FROM THIS DESIGN SHALL BE ALLOWED WITHOUT PRIOR APPROVAL OF THIS OFFICE. SITE CONDITIONS, WATER TABLE ELEVATION AND A DEFTABLE MATERIAL FOUND CAN VARY AND SHOULD BE VERIFIED PRIOR TO THE TIME OF CONSTRUCTION.

IF AN AUGMENT SURVEY OF THE SYSTEM IS REQUIRED, THIS OFFICE SHALL BE NOTIFIED PRIOR TO RE-PLACING THE SYSTEM COMPONENTS FOR OUR INSPECTION AND FIELD LOCATION.

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.

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 CONTRACTOR'S RESPONSIBILITY TO NOTIFY ALL UTILITY COMPANIES AND AGENCIES PRIOR TO CONSTRUCTION FOR LOCATION OF ALL UNDERGROUND UTILITIES.

**KEVIN P. McDOLE**  
 26 River Drive, Johnston, R.I. 02919

**ON-SITE SANITARY DISPOSAL SYSTEM**  
 LOT 13  
 ROBINCREST COURT SEEKONK, MASS.

**FREEMAN ENGINEERING CO.**  
 A DIVISION OF  
**HAYWARD-BOYNTON & WILLIAMS, INC.**  
 LAND SURVEYORS CIVIL ENGINEERS  
 178 NORTH MAIN ST. ATTLEBORO, MASS.

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