



# TOWN OF HARWICH

BOARD OF HEALTH

732 Main Street  
Harwich, MA 02645  
508/430-7509  
FAX 508/432-5039

HARWICH BOARD OF HEALTH  
VARIANCE APPROVAL  
105 CMR 15.000 Title 5  
8 Miles Street  
September 23, 1999

John Skeirik and Betsey Ross Skeirik  
8 Miles Street  
Harwich Port, MA 02646

Dear Mr. Skeirik and Ms. Skeirik:

At a meeting of the Board of Health on September 13, 1999 a hearing was conducted to consider variance requests to replace a sewage disposal system at the above referenced property on a plan prepared by Moran Engineering, Inc.

After considerable review and discussion it was a decision of the Board to grant the following:

1. Distance between SAS and property line, 10' required, 6' available.
2. Distance between SAS and crawl space, 10' required, 6' available.

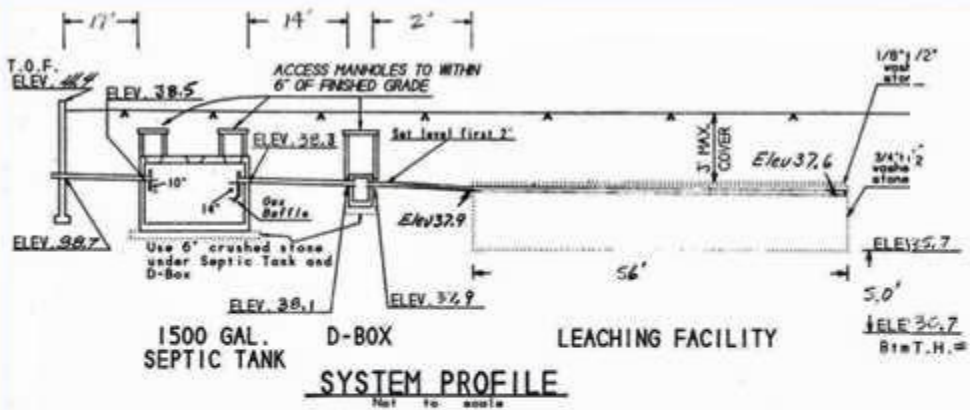
In granting the variances the Board imposed the following orders of condition:

1. There is to be no increase in habitable space, square footage or number of bedrooms to the dwelling.
2. System is to be inspected and maintained, if necessary, every three years.
3. There is no provision for a garbage disposal with this plan.
4. Variances are to be recorded with the Harwich Town Clerk and Barnstable Registry of Deeds.

Please be advised that all variances will be considered null and void unless a disposal works construction permit is obtained within six months of the date of hearing.

Sincerely,

Paula J. Champagne, R.S., C.H.O.,  
Health Director

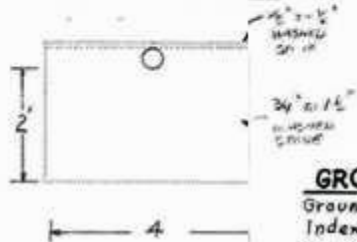


**SYSTEM DESIGN**

Design Flow: 3 bedrooms @ 110 gal/day = 330 gal.  
 Septic Tank: 330 gal. x 200% = 660 gal.  
 Use 1500 Gal. Tank  
 Leaching Facility: USE 4' x 56' x 1.9' deep TRENCH  
 Bottom: 4' x 56' x 0.79 gal/ft. = 166 gal  
 Sides: 2(4' x 56') x 0.79 gal/ft. = 169 gal  
**TOTAL = 335 Gal.**  
 NOTE: Garbage disposal is not permitted with this design.



**CONSTRUCTION DETAIL**



**GROUNDWATER ADJ.**

Groundwater Found: 9.9'  
 Index Well TSW-89  
 Zone A (S/P) - 10.0' ± - 0.6'  
 Depth 10.0' ± - 0.6'  
 \* Elev. 30.7

**TEST HOLE #1**

0'	EL. 40.0
12"	A P SANDY LOAM 10YR 3/2
30"	B LOAMY SAND 10YR 4/6
119"	G.M. MEDIUM/COARSE 10YR 7/6
120"	NO WATER

**TEST HOLE #2**

0'	EL. 40.7
12"	A P SANDY LOAM 10YR 3/2
31"	B LOAMY SAND 10YR 4/6
120"	C MEDIUM SAND 10YR 7/6
	NO WATER

**VARIANCES**

310 CMR 15.405 Maximum Feasible Compliance:  
 a) distance between S.A.S. and Property Line - 11ft. required - 6' available.  
 b) distance between S.A.S. and crawl space - 18ft. required - 6' available.

**NOTES**

- EXIST SEPTIC SYSTEM IS TO BE PUMPED AND BACKFILLED WITH CLEAN FILL OR REMOVED.
- SEPTIC TANK SEAM IS TO BE SEALED AND WRD.
- UNSATURATED SOILS ARE TO BE REMOVED FOR 5' AND LEACHING AREA AND REPLACED WITH PROVED FILL MATERIAL.
- DESIGNER TO CERTIFY SOILS REMOVAL BEFORE SYSTEM INSTALLATION.
- DESIGNER TO CERTIFY SYSTEM INSTALLATION PRIOR TO BACKFILLING.
- ALL AS DISTURBED BY CONSTRUCTION ARE TO BE GRADED, LOAM COVERED, AND SEED. DRIVEWAY IS TO BE REPLACED WITH ASPHALT.

DATE: MARCH 3, 1999  
 PERFORMED BY: RICHARD JUDD, R.S.  
 WITNESS: H. SCHNITZER, H.A.  
 DESIGN RATE: <2 min./in.

**PERCOLATION TEST #1**

24 GALLONS OF WATER IN 5 MINUTES AND 19 SECONDS AT THE DEPTH OF 60 INCHES.

**PERCOLATION TEST #2**

24 GALLONS OF WATER IN 9 MINUTES AND 49 SECONDS AT THE DEPTH OF 63 INCHES.



*Signature*  
 MORAN ENGINEERING, INC.  
 941 MAIN STREET, SO. HARWICH, MA 02661  
 432-2878

**MORAN ENGINEERING, INC.**  
 941 MAIN STREET, SO. HARWICH, MA 02661  
 432-2878

**SITE PLAN & SEWAGE DISPOSAL SYSTEM IN HARWICH FOR JOHN A. SKEIRIK**  
 8 MILES STREET HARWICHPORT, MA.  
 PROJECT: 99-043 | SCALE: 1" = 20' | DATE: 8/18/99

