

MAIL NOW PERMIT

# PERMIT

P 34146

A REPAIR

SEWAGE DISPOSAL SYSTEM

MARYLAND STATE DEPARTMENT OF HEALTH\*

HOWARD COUNTY

BUREAU OF ENVIRONMENTAL HEALTH

992-2330

ELLICOTT CITY

DISTRICT 4th.

DATE 7/26/84

KEN SMITH C/O UP-COUNTY REALTY TO INSTALL

3BR

Bill W. Curtis

IS PERMITTED TO INSTALL        ALTER X

ADDRESS 24620 Ridge Road, P. O. Box 244 Damascus, MD PHONE 253-4226

SUBDIVISION        ROAD 24620 Ridge Road LOT       

PROPERTY OWNER Bill W. Curtis

24620 Ridge Road

ADDRESS P. O. Box 244, Damascus, MD

IF GARBAGE GRINDER IS USED INCREASE SEPTIC TANK CAPACITY BY 50% AND ABSORPTION AREA BY 22%.

GARBAGE GRINDER? YES        NO       

SEPTIC TANK CAPACITY 210 GALLONS NUMBER OF BEDROOMS 3

TRENCHES - 174 sq. ft per bedroom. Trench to be 3 feet wide. Inlet 3 feet below original grade. Bottom maximum depth 4 feet below original grade. Effective area begins at 3 feet below original grade with 4 feet of stone below distribution pipe. LOCATION: Start first trench at the perc hole designated as elevation 93.0. This hole is 104 feet from the front lot line and 76 feet from the left lot line as seen from Ridge Road. Run trench toward the perc hole that is designated as elevation 92.6. Additional trenches as required to be parallel to first trench. All parts of all trenches must located entirely within the approved perc area as shown on perc certification plat. NOTE: No trench to exceed 100 feet in length. If more than one trench used, a distribution box is required. Trenches to be installed on level ground. Call for inspection of trench before gravel is installed. Provide 6" - 8" diameter cleanout and cap to grade or above on septic tank.

RENEW PERMIT  
TO INSTALL  
REPLACEMENT SYSTEM  
FOR REPLACEMENT PUMPING

PLANS APPROVED BY Craig Williams DATE 7/24/84

COVER NO WORK UNTIL INSPECTED AND APPROVED.

NEITHER THE HOWARD COUNTY COUNCIL NOR THE HEALTH DEPARTMENT IS RESPONSIBLE FOR THE SUCCESSFUL OPERATION OF ANY SYSTEM.

NOTE: IF TRENCH IS USED CALL FOR INSPECTION BEFORE AND AFTER PLACING GRAVEL IN TRENCH.

NOTE: NO DRY WELL SHALL EXCEED 15 FOOT IN DIAMETER. NO ABSORPTION TRENCH TO EXCEED 100 FEET IN LENGTH.

NOTE: ALL PIPE FROM HOUSE TO SEPTIC TANK MUST BE CAST IRON OR SCHEDULE 40 PVC OR ABS.

PERMIT VOID AFTER THREE YEARS.

NOTE: INSTALL STAND PIPE ON SEPTIC TANK AND DRY WELL. STAND PIPES MUST BE 6 INCHES IN DIAMETER. CAST IRON, CONCRETE OR TERRA COTTA, OR PVC OR ABS ACCEPTED. IF TOP OF SEPTIC TANK IS DEEPER THAN 3 FEET MANHOLE TO GRADE REQUIRED.

**\*INSTALLER IS RESPONSIBLE FOR OBTAINING FINAL APROVAL ON THIS PERMIT**

\*CALL 992-2330 FOR INSPECTION OF SEPTIC SYSTEMS.

EH - 2-1082

# PERMIT

## SEWAGE DISPOSAL SYSTEM

### DEPARTMENT OF HEALTH AND MENTAL HYGIENE

HOWARD COUNTY HEALTH DEPARTMENT

BUREAU OF ENVIRONMENTAL HEALTH

461-9933

*well was retained & deepened  
see HO-94-3253*

*File For Farmer House  
on lot 76 which*

P 46461-A

*was demolished in 2001*

A REPAIR

DISTRICT 4th

DATE 10/05/90

DATE SYSTEM APPROVED

INSPECTOR

INDEXED

Ken Smith - c/o Up-Country Realty, Inc.

IS PERMITTED TO INSTALL \_\_\_\_\_ ALTER ☒

ADDRESS 9872 Main Street, Damascus, Maryland 20872 PHONE 301-253-1030

SUBDIVISION Ridgeville Heights LOT 75 & 76 ROAD 950 Ridge Road

PROPERTY OWNER

950 Ridge Road

ADDRESS

SEPTIC TANK CAPACITY 1000 GALLONS

NUMBER OF BEDROOMS 3

210 SQUARE FEET PER BEDROOM

LINEAR FEET OF TRENCH REQUIRED 210

*7-17-97 NO repair as of this date.  
Tax Map shows no dwelling  
on lot - i.e. vacant lot.*

*existing  
House was  
demolished and  
well protected on Aug 14/01  
w/lotter required  
per 10/10/01 Vent 99*

ALM

TRENCHES - Trench to be 3 feet wide. Inlet 3 feet below original grade. Bottom maximum depth 5 feet below original grade. Effective area begins at 3 feet below original grade. 2 feet of stone below distribution pipe.

LOCATION - Start first trench at the perc hole designated as elevation 93.0. This hole is 104 feet from the front lot line and 76 feet from the left lot line as seen from Ridge Road. Run trench (s) toward the perc hole that is designated as elevation 92.6. Additional trenches as required to be parallel to first trench. All parts of all trenches must located entirely within the approved perc area as shown on perc certification plat.

NOTE - No trench to exceed 100 feet in length. Provide 6" - 8" diameter cleanout and cap to grade or above on septic tank.

PLANS APPROVED BY C. Williams

Revised DATE 10/05/90

COVER NO WORK UNTIL INSPECTED AND APPROVED

NEITHER THE HOWARD COUNTY COUNCIL NOR THE HEALTH DEPARTMENT IS RESPONSIBLE FOR THE SUCCESSFUL OPERATION OF ANY SYSTEM

NOTE: CLEANOUT REQUIRED EVERY 70 FEET OF SEWER LINE AND/OR AT 90° SWEEPS IN LINES FROM HOUSE TO DRAIN FIELDS, 90° ELBOWS NOT ACCEPTABLE.

NOTE: ALL PARTS OF SEPTIC SYSTEMS (I.E. TANK, DISTRIBUTION BOX TRENCHES) TO BE 100 FEET FROM WELL (UNLESS OTHERWISE SPECIFICALLY AUTHORIZED)

NOTE: IF DEEP TRENCH(ES) ARE USED CALL FOR INSPECTION BEFORE AND AFTER PLACING GRAVEL IN TRENCH(ES)

NOTE: NO DRY WELL SHALL EXCEED 15 FOOT IN DIAMETER NO ABSORPTION TRENCH TO EXCEED 100 FEET IN LENGTH

NOTE: ALL PIPE FROM HOUSE TO SEPTIC TANK MUST BE CAST IRON OR SCHEDULE 35/40 PVC OR ABS

PERMIT VOID AFTER TWO YEARS

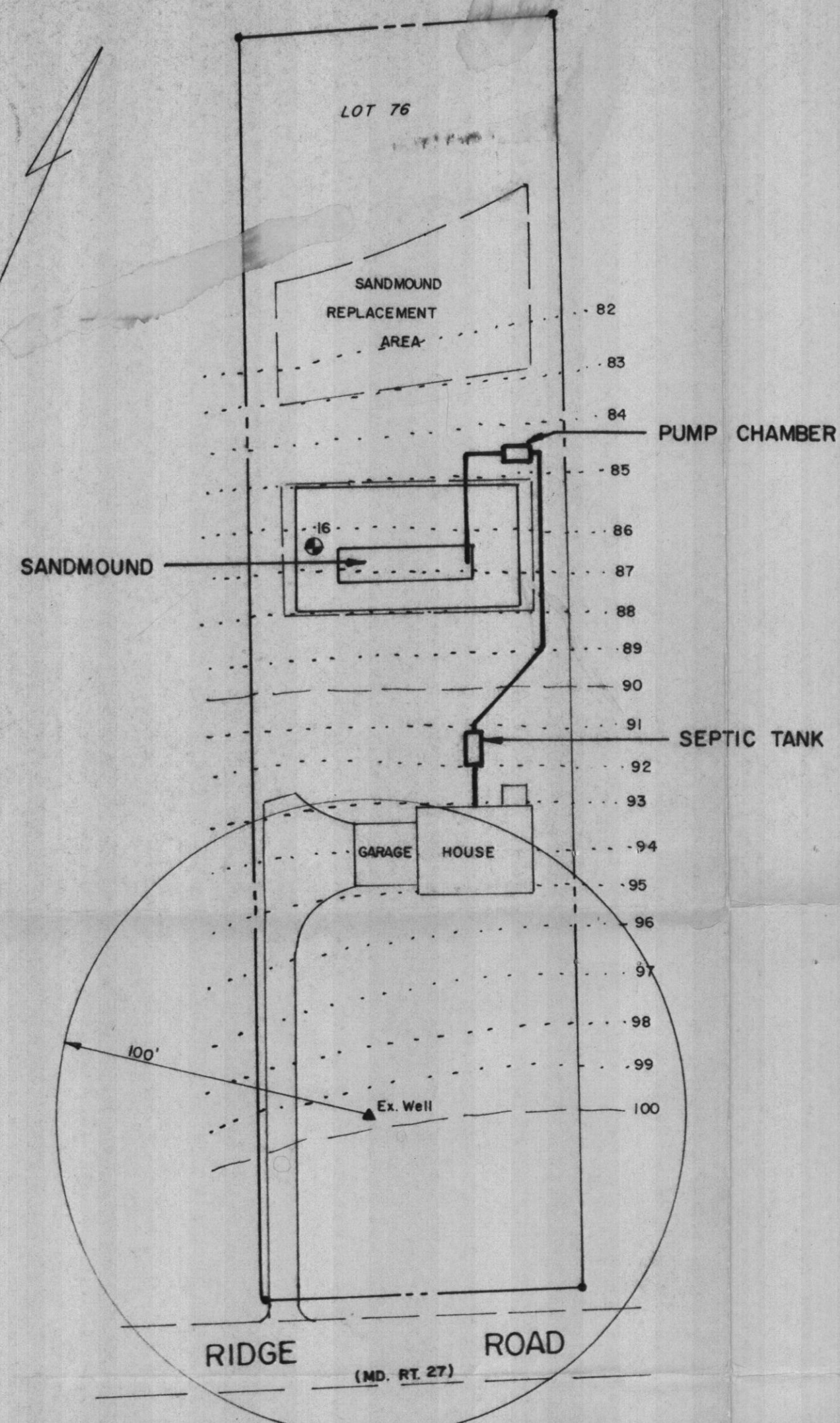
NOTE: INSTALL STAND PIPE ON SEPTIC TANK AND DRY WELL STAND PIPES MUST BE 6 INCHES IN DIAMETER CAST IRON. CONCRETE OR TERRA COTTA OR PVA OR ABS ACCEPTED. IF TOP OF SEPTIC TANK IS DEEPER THAN 3 FEET. MANHOLE TO GRADE REQUIRED.

NOTE: DISTRIBUTION BOXES MUST HAVE BAFFLES

**\*INSTALLER IS RESPONSIBLE FOR OBTAINING FINAL APPROVAL ON THIS PERMIT**

*P46461*





**SITE PLAN**  
SCALE 1" = 40'

### DESIGN CRITERIA

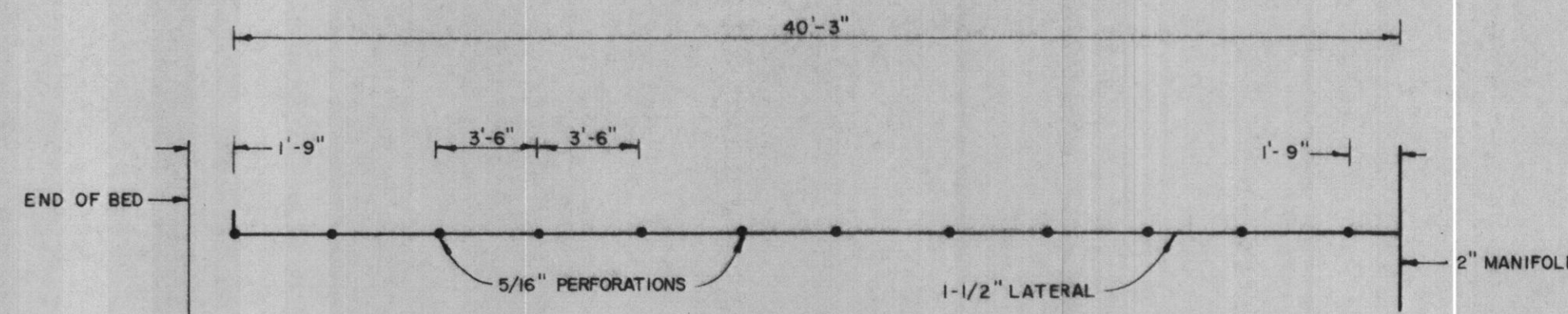
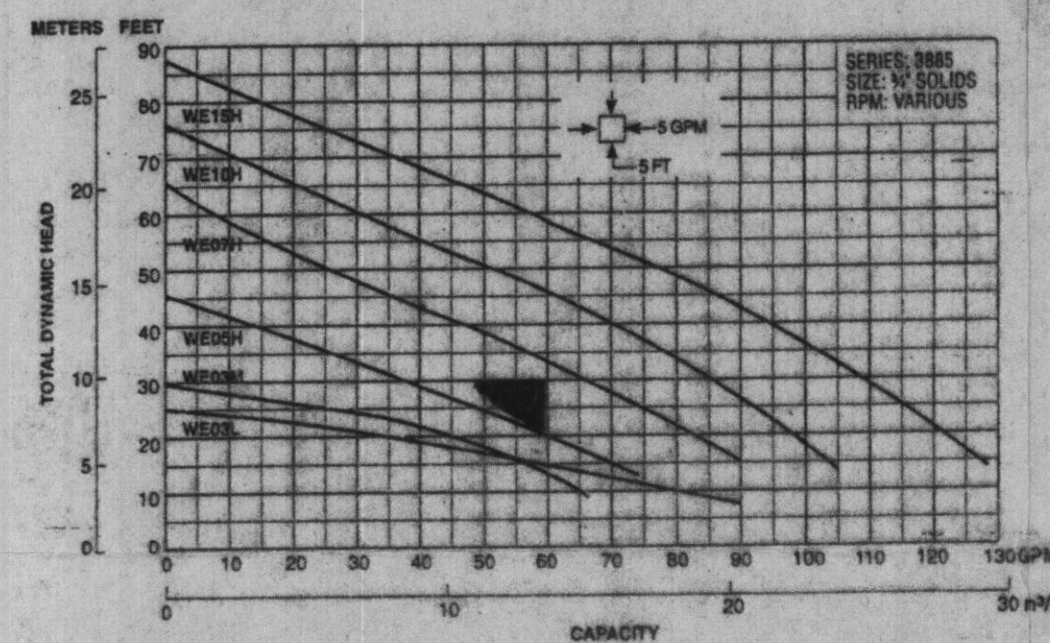
4 Bed Rooms x 150 = 600 GPD  
 Loading Rate: 1.2 GPD/Sq. Ft. = 500 Sq. Ft.  
 Bed 12' x 42' = 504 Sq. Ft.  
 1 - 1,500 GAL. Compartmented Top Seam Septic Tank  
 1 - 1,500 GAL. Top Seam Pump Chamber  
 Pump Rate = 36 Perforations @ 1.63 GPM = 59 GPM  
 Mound Width = 40'-2"  
 Mound Length = 70'-10"

### SOIL TEST

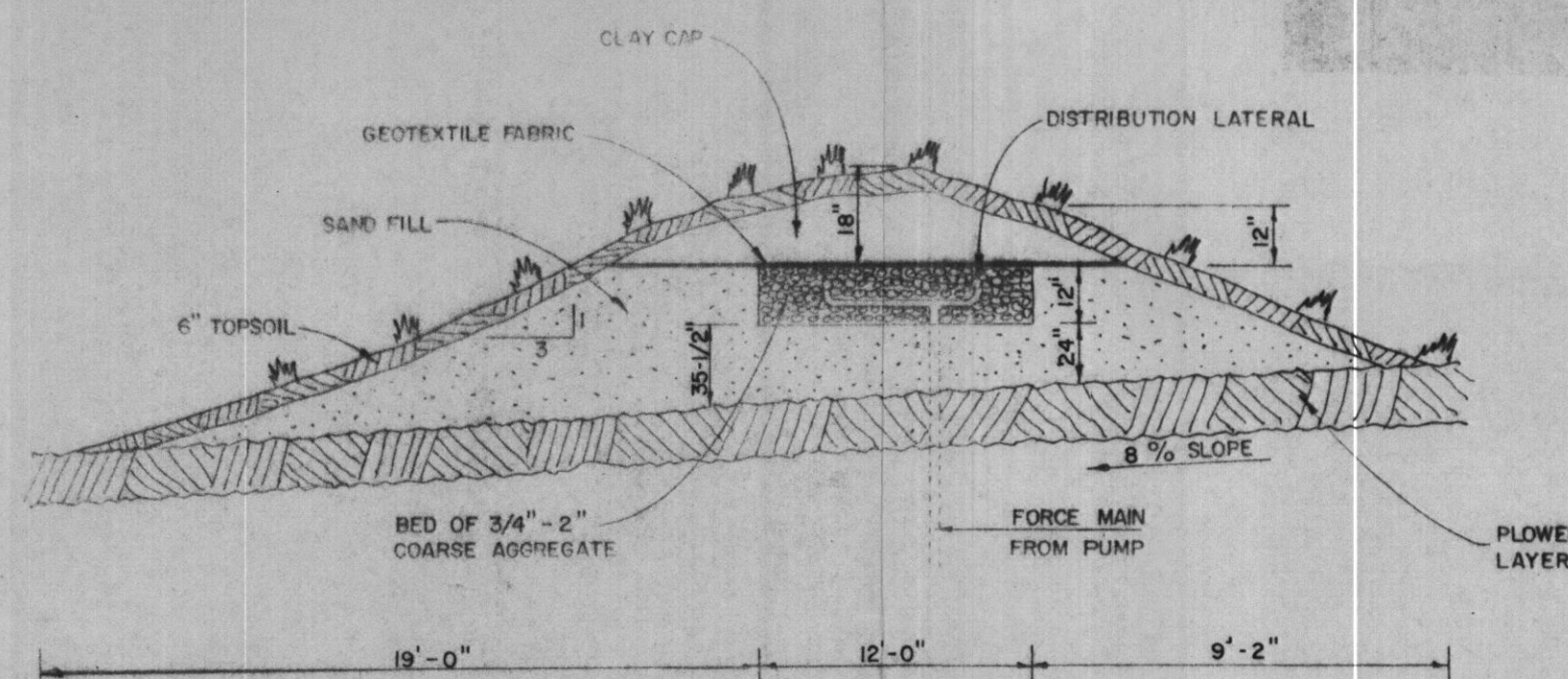
16 - Sandmound - 30 min / inch

### SPECIFICATIONS

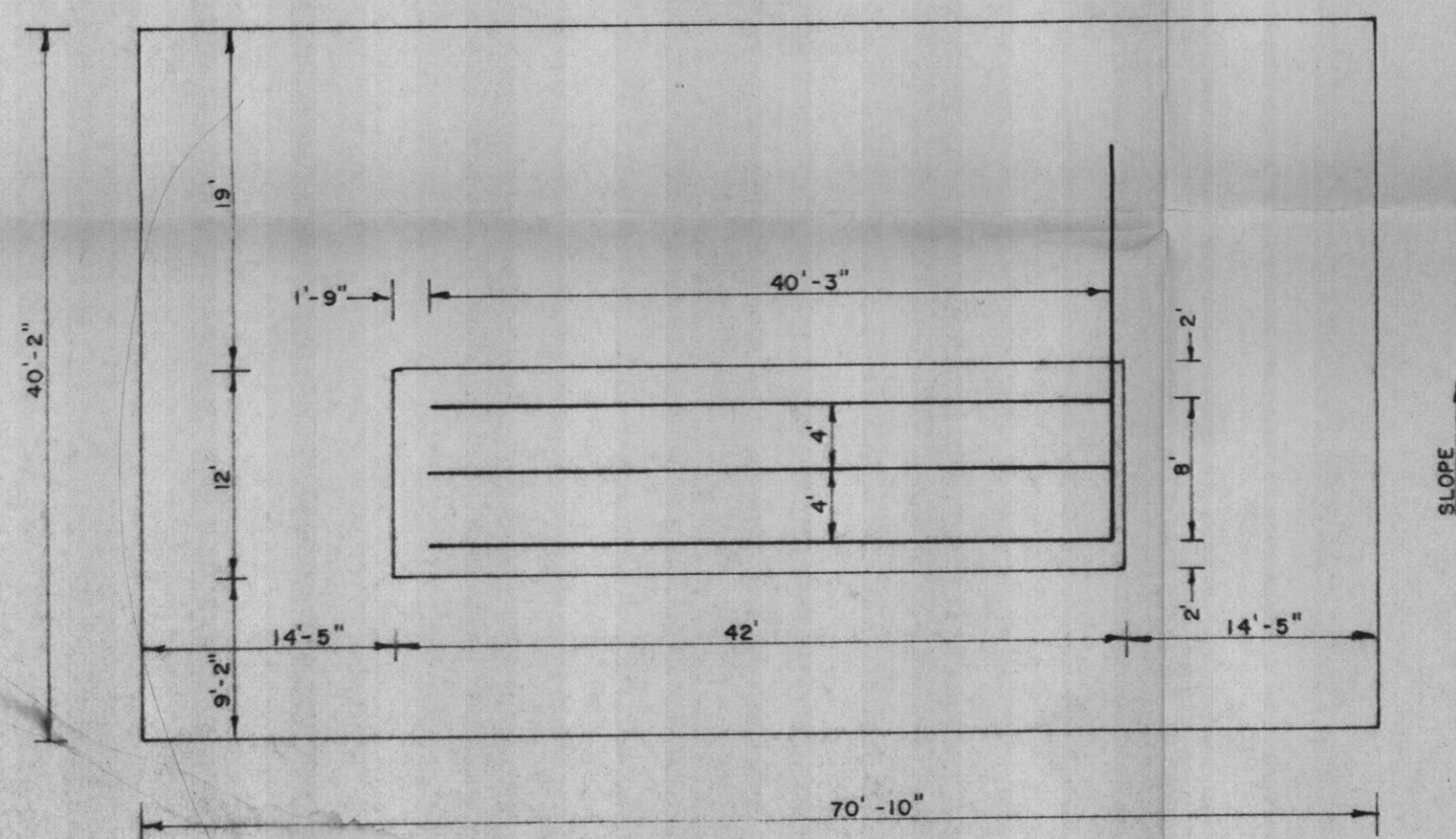
- Tank measurements and elevations are based on septic tanks and pump chambers as manufactured by Mayer Bros., Elkridge, Md. (410) 796-1434.
- All piping to be schedule 40 PVC of sizes shown.
- The force main from the pump chamber to the sand bed is to be installed with a continuous slope back to the chamber to assure complete drainage following each pump cycle.
- A submersible pump to remove 59 GPM against 30' TDH to be provided. Pump to be a Goulds Model 3885-WE-07H - 1/2 hp. or equal.
- A test of the pump system and distribution piping is required prior to covering the system.
- The High Water Alarm is to be on a separate circuit.
- Alarm to be located in the house.



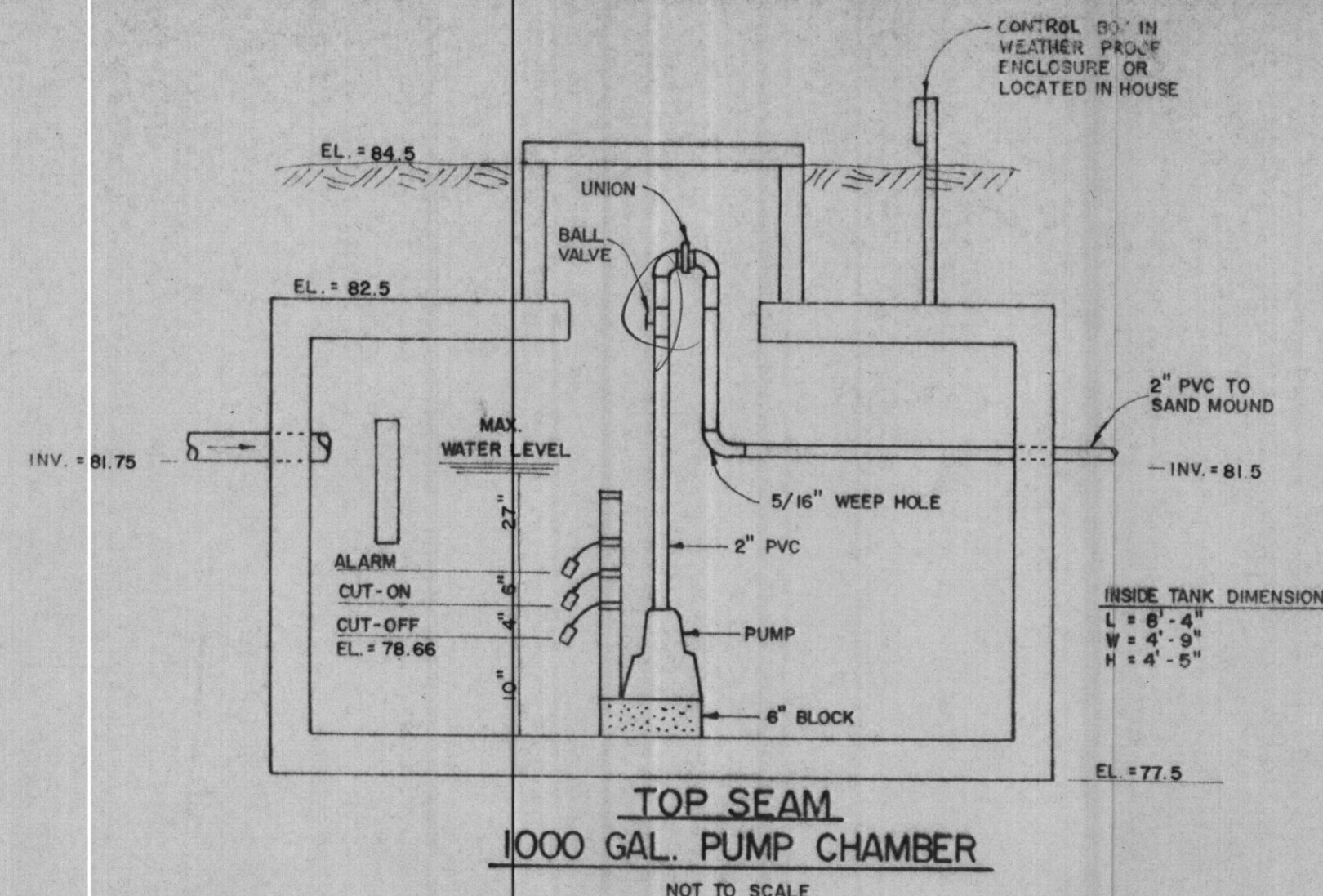
**LATERAL DETAIL**  
SCALE 3/16" = 1'



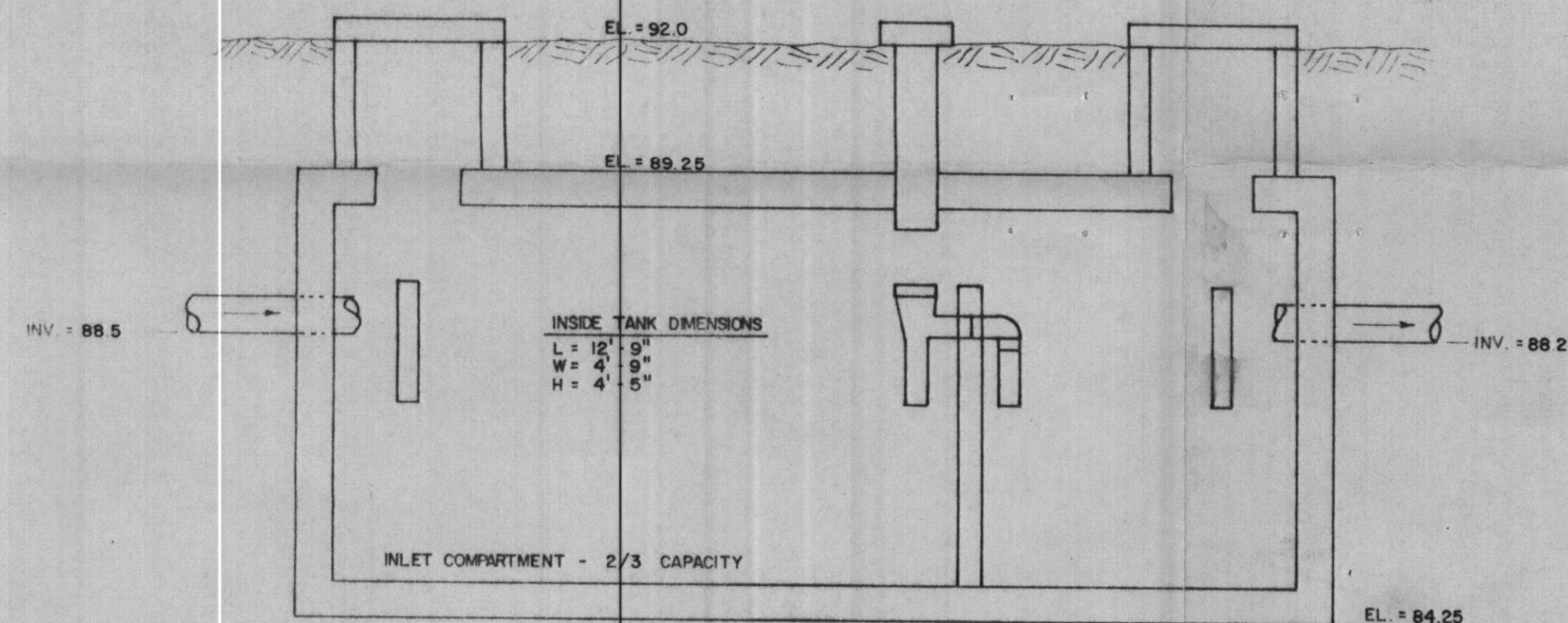
**MOUND DESIGN**  
NOT TO SCALE



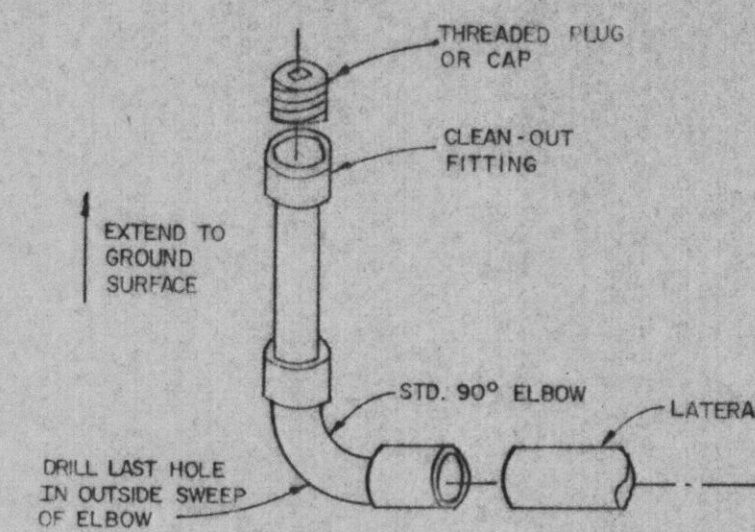
**MOUND LAYOUT**  
SCALE 1" = 10'



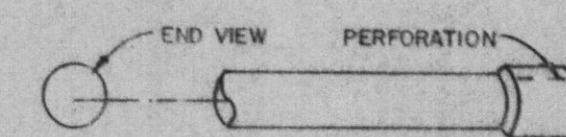
**TOP SEAM  
1000 GAL. PUMP CHAMBER**  
NOT TO SCALE



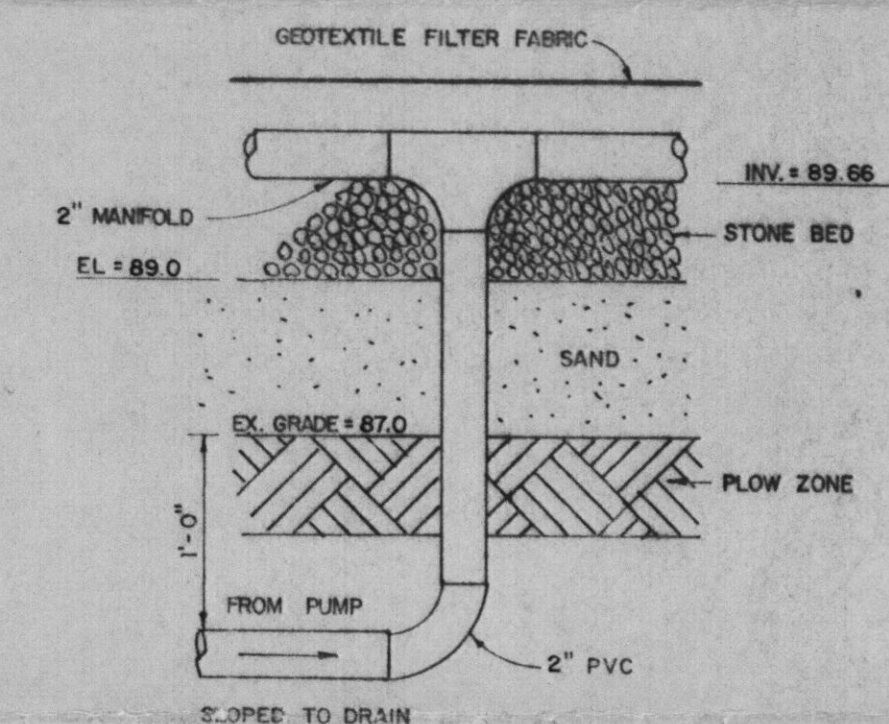
**TOP SEAM  
1500 GAL. SEPTIC TANK**  
NOT TO SCALE



**LATERAL END TURN-UP**  
USE ON LATERAL FARTHEST FROM PUMP  
NOT TO SCALE

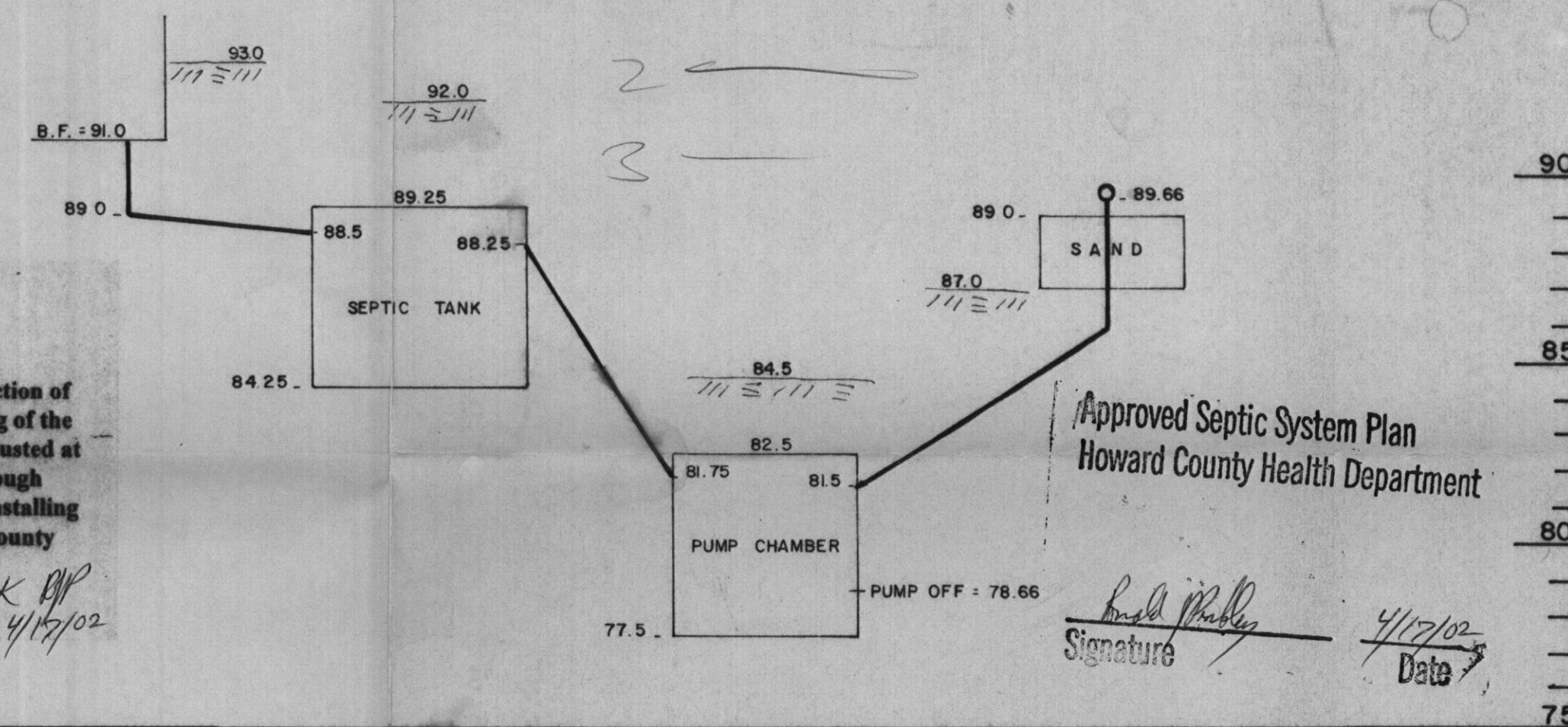


**LATERAL END CAP**  
USE ON LATERALS NOT  
EQUIPPED WITH TURN-UP  
NOT TO SCALE

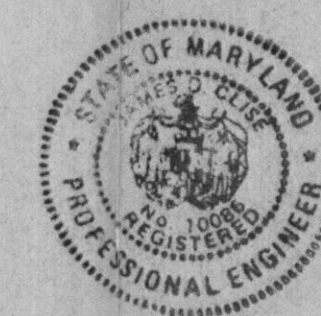


**SUPPLY LINE - MANIFOLD DETAIL**  
NOT TO SCALE

**NOTE:** To assure maximum protection of the sandmound, positioning of the pump chamber may be adjusted at the time of installation through consultation between the installing Contractor and Howard County Health Department.



**HYDRAULIC PROFILE**  
SCALE: V:1/4" = 1'  
H: N.T.S.



**S/E ENGINEERING, INC.**  
WESTMINSTER, MARYLAND

SCALE: AS SHOWN	APPROVED:	DRWN: RSK
DATE: MARCH 2002	JDC	DES: JDC
LOT 76 RIDGEVILLE HEIGHTS 950 RIDGE ROAD - HOWARD COUNTY		
SANDMOUND		DRAWING NO. 1 OF 1