

6/18/93  
AM-1(9-11)

# PERMIT

For  
File  
Logged out  
C.B.S.

## SEWAGE DISPOSAL SYSTEM

P 49350

### DEPARTMENT OF HEALTH AND MENTAL HYGIENE

A 40943

03-314251

DISTRICT 4th

#### HOWARD COUNTY HEALTH DEPARTMENT

DATE 4/17/93

BUREAU OF ENVIRONMENTAL HEALTH

~~XXXXXX~~ 313-2640

INDEXED

DATE SYSTEM APPROVED 6/10/93

INSPECTOR C. Bell

T. M. Barnard Plumbing IS PERMITTED TO INSTALL X ALTER

ADDRESS 6402 Cavalier Drive, Sykesville, Maryland 21784 PHONE 461-6599

SUBDIVISION Sand Hill Acres LOT 11 ROAD 12030 Lamplighters Drive

PROPERTY OWNER Troutman Company

ADDRESS \_\_\_\_\_

SEPTIC TANK CAPACITY 1250 GALLONS

NUMBER OF BEDROOMS 4

180 SQUARE FEET PER BEDROOM

LINEAR FEET OF TRENCH REQUIRED 240

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 2 feet below original grade. 2 feet of stone below distribution pipe.

LOCATION - Start first trench 160 feet from the front left lot corner and 70 feet from the front lot line. Run trenches along contour toward right side of lot.

NOTES - No trench to exceed 100 feet in length. Provide 6" - 8" diameter cleanout and cap to grade or above on septic tank. OK 3/24/93 R/H

PLANS APPROVED BY C. Williams/Raymond Hodges REVISED DATE 12/23/92

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

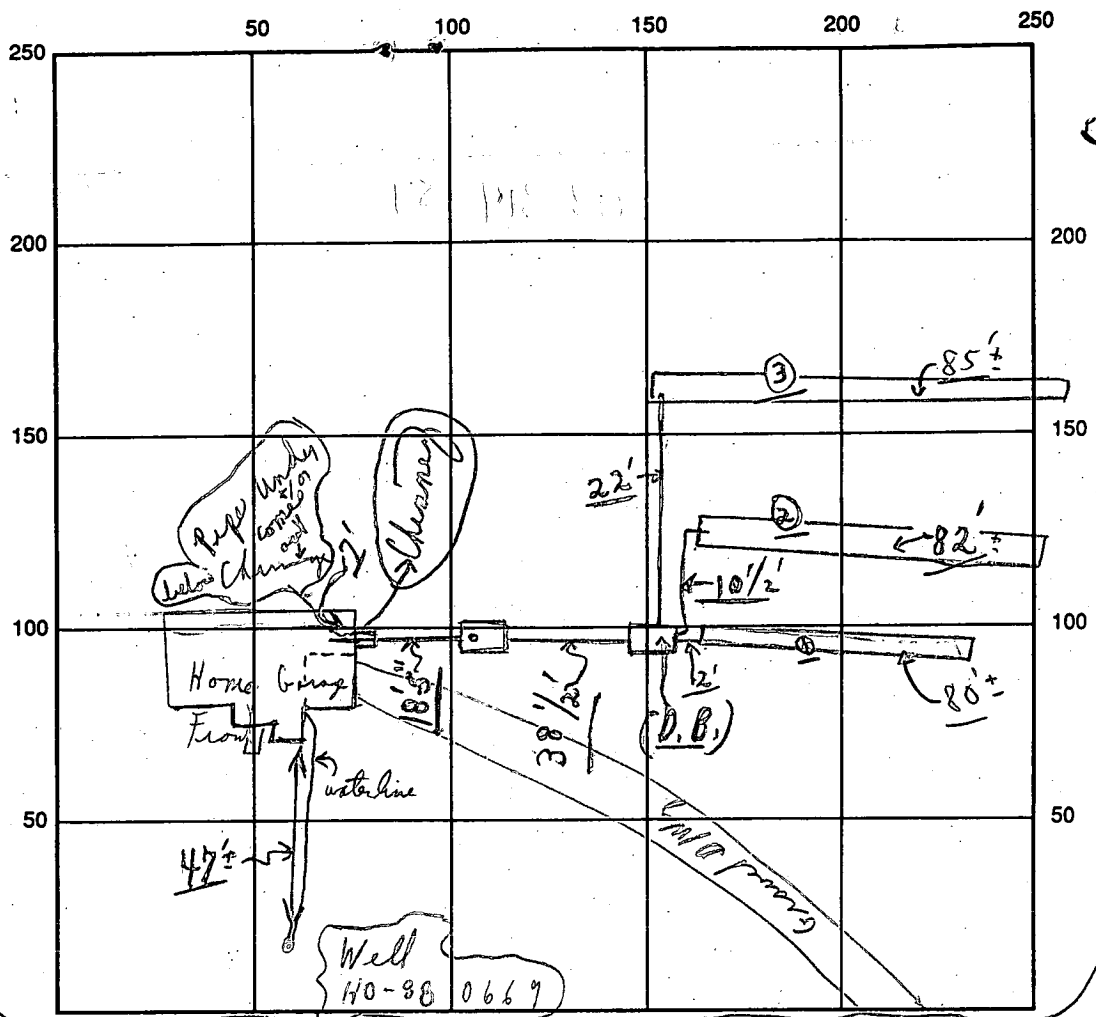
NOTE: INSTALL STAND PIPE ON SEPTIC TANK AND DRY WELL STAND PIPES MUST BE 6 INCHES IN DIAMETER CAST IRON. CONCRETE OR TERRA COTTA OR PVA OR ABS ACCEPTED. IF TOP OF SEPTIC TANK IS DEEPER THAN 3 FEET. MANHOLE TO GRADE REQUIRED.

NOTE: DISTRIBUTION BOXES MUST HAVE BAFFLES

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

A 46943

← Sand hill Road →



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE →

← Lamp Lighter Drive S.T. →

SEPTIC TANK LEVEL OK CLEANOUTS OK

DISTRIBUTION BOX LEVEL OK (Baffles in)

DRAIN FIELD/TITLE DEPTH 5 FT. TRENCH WIDTH 3 FT. INLET DEPTH 3 FT.

EFFECTIVE GRAVEL DEPTH 2+ FT. TOTAL LENGTH  $\left. \begin{array}{l} \textcircled{1} 80' \\ \textcircled{2} 82' \\ \textcircled{3} 85' \end{array} \right\} \text{ FT. } = 247$

NUMBER OF TRENCHES 3 ONE SIDEWALL/BOTTOM AREA 791 SQ. FT.

DRYWALL INSIDE DIAMETER — FT. EFFECTIVE DEPTH BELOW INLET — FT.

ABSORBENT AREA 791 SQ. FT.

REMARKS: (Early) 6/18/93 Final - material on site - to cement all pipes at house septic tank and dist. box and finish (1) trench.  
 [(Left card) Final on to cover as finish] 6/18/93 C.B.

(A.M.) 6/18/93 Not ready W.P.I. - not finished C.B.

DATE SYSTEM APPROVED June 18, 1993 INSPECTOR Charles Bryan Chesley

# APPLICATION

PERCOLATION TESTING

A 40943

P \_\_\_\_\_

HOWARD COUNTY HEALTH DEPARTMENT  
BUREAU OF ENVIRONMENTAL HEALTH  
P.O. BOX 476 ELLICOTT CITY, MARYLAND 21043  
TELEPHONE 461-9933

DISTRICT 4

DATE 1-29-88

TO: THE COUNTY HEALTH OFFICER  
ELLICOTT CITY, MARYLAND

I HEREBY APPLY FOR THE NECESSARY TEST IN ORDER TO CONSTRUCT (OR RECONSTRUCT) A SEWAGE DISPOSAL SYSTEM.

PROPERTY OWNER Hilltop Development Corp Troutman Company

ADDRESS P.O. Box 208 CLARKSVILLE Md 21029 PHONE 730-2065  
531-5539

PROSPECTIVE BUYER \_\_\_\_\_

ADDRESS \_\_\_\_\_ PHONE \_\_\_\_\_

PROPERTY LOCATION:

SUBDIVISION SAND HILL ACRES LOT NO. 10

ROAD AND DESCRIPTION 12030 SAND HILL ROAD & LAMPLIGHTERS DRIVE

TAX MAP 16 PARCEL # 5

SIZE OF LOT 3 Acres TYPE BLDG Single Family  
(SINGLE FAMILY DWELLING OR COMMERCIAL)

THE SYSTEM INSTALLED UNDER THIS APPLICATION IS ACCEPTABLE ONLY UNTIL PUBLIC FACILITIES BECOME AVAILABLE. I FULLY UNDERSTAND THE

FEE CONNECTED WITH THE FILING OF THIS PERC TEST APPLICATION IS NON-REFUNDABLE UNDER ANY CIRCUMSTANCES. I ALSO AGREE TO COMPLY

WITH ALL M.O.S.H.A. REQUIREMENTS IN TESTING THIS LOT. Richard J. Demmitt  
(SIGNATURE OF APPLICANT)

APPROVED BY \_\_\_\_\_ FOR \_\_\_\_\_ DATE \_\_\_\_\_

REJECTED BY \_\_\_\_\_ FOR \_\_\_\_\_ DATE \_\_\_\_\_

HOLD PENDING FURTHER TESTS \_\_\_\_\_ DATE \_\_\_\_\_

REASONS FOR REJECTION OR HOLDING \_\_\_\_\_

BLDG. PERMIT SIGNED  
AND RETURNED 12/25/72  
Serial # 40065-STD

BLDG. PERMIT SIGNED  
AND RETURNED 9/28/88  
STD-3 Bedroom  
Serial # 27009

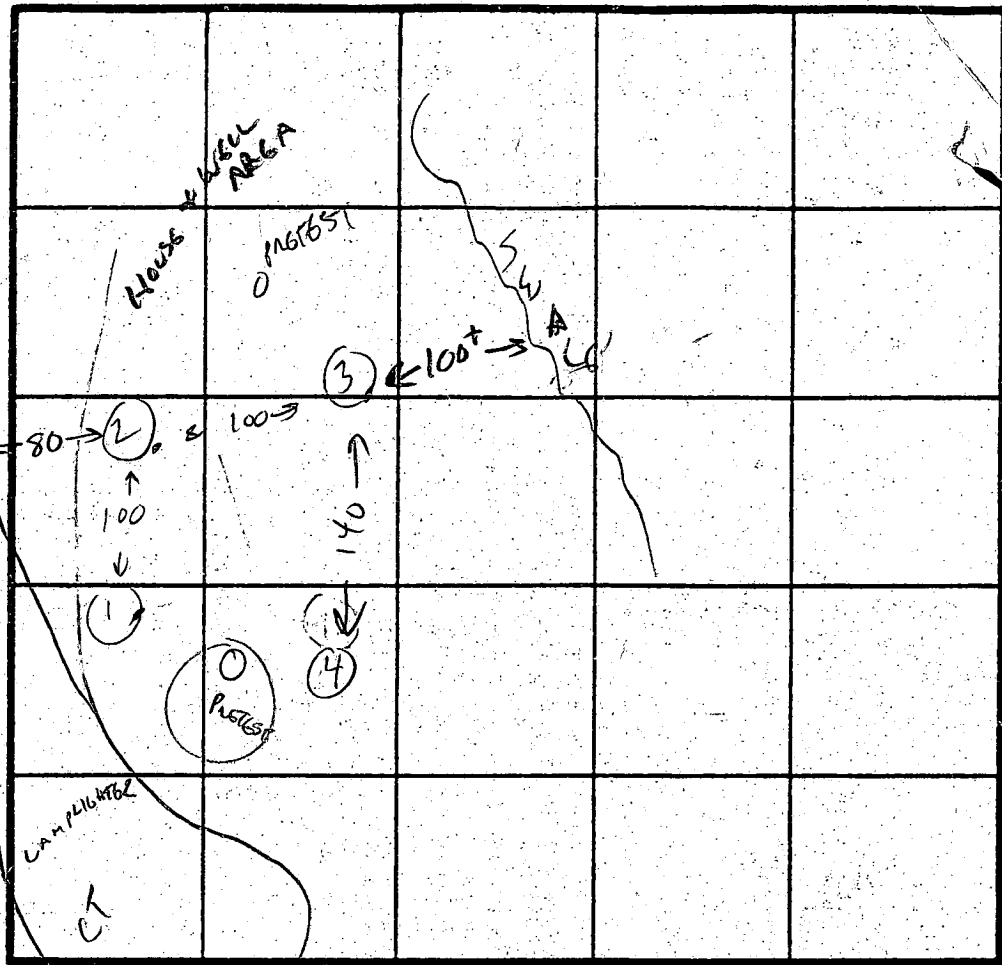
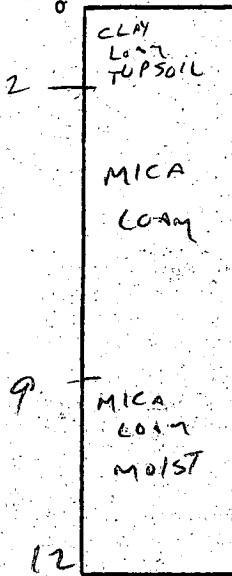
HD-216

# THIS IS NOT A PERMIT

A 40943

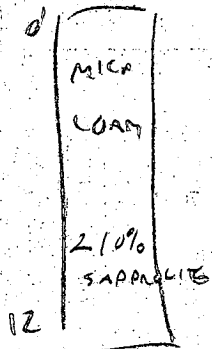
#4

SOIL PROFILE



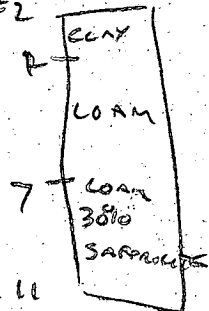
INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE

#1



DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME	
			START	STOP	START	STOP		
3/30/88	4	2' 12'	1144 OK FOR	1145 SHALLOW	1145 SYSTEM, RAY	1147 36 WET	2 M 36 W 9	
	1	2' 7'	1150 1:50	1151 1:51	1:51 1:51	1:53 1:53	2 M W 2 M W	
	2	12'	VIS OK TO 12'					
	3	2' 7'	VIS OK					
		11'	30% SAPROLITE		7-11'			
		3'	1154	1158	1158	2:07	9 MIN	
			WATER 9' NO EVIDENCE THAT IT COMES HIGHER					

#2



#3

REMARKS SOILS OK SHALLOW, DESIGN SEPTIC AREA HIGHER THAN HOLES 3&4

TYPE OF SOIL MICA SILT LOAM

TESTED BY C. Williams ALSO PRESENT R. DeMott

B 1 **2266** SEQUENCE NO. (DP USE ONLY)  
 (THIS NUMBER IS TO BE PUNCHED IN COLS. 3-6 ON ALL CARDS)

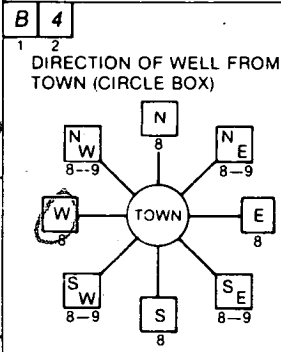
STATE OF MARYLAND  
 PERMIT TO DRILL WELL  
 please print or type

STATE PERMIT NUMBER  
**HO-88-0669**  
 fill in this form completely

Date Received (APA) **05 09 89**  
 OWNER INFORMATION  
**HILLETCP DEVELOPMENT**  
 Last Name Owner First Name  
**PC BOX 208**  
 Street or RFD  
**CLARKSVILLE MD 21029**  
 Town State Zip

B 3 LOCATION OF WELL  
**HOWARD** COUNTY  
**SANDHILL ACRES** SUBDIVISION  
 SECTION **11** LOT **11**  
**WESTFRIENDSHIP** NEAREST TOWN  
 MILES FROM TOWN (enter 0 if in town) **1 1/2** MI

DRILLER INFORMATION  
**Joseph R. Wayne** License No. **238**  
**Joseph R. Wayne WELL DRILLING** Firm Name  
**5512 Ridge Rd. Mt. Airy, Md. 21771** Address  
**Joseph R. Wayne** Signature Date **4/29/89**



**Hamplington Drive** NEAR WHAT ROAD  
 ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX)  
 DISTANCE FROM ROAD **25** FT  
 ENTER FT or MI

B 2 WELL INFORMATION  
 APPROX. PUMPING RATE (GAL. PER MIN.) **5**  
 AVERAGE DAILY QUANTITY NEEDED (GAL. PER DAY) **500**

USE FOR WATER (CIRCLE APPROPRIATE BOX)  
 HOME (SINGLE OR DOUBLE HOUSEHOLD UNIT ONLY)  
 FARMING (LIVESTOCK WATERING & AGRICULTURAL IRRIGATION)  
 INDUSTRIAL, COMMERCIAL, STATE AND FEDERAL GOV. OTHER (REQUIRES APPROPRIATION PERMIT)  
 PUBLIC OR PRIVATE WATER COMPANY (REQUIRES APPROPRIATION PERMIT AND STATE HEALTH DEPARTMENT APPROVAL)  
 TEST, OBSERVATION, MONITORING (MAY REQUIRE APPROPRIATION PERMIT)

NOT TO BE FILLED IN BY DRILLER HEALTH DEPARTMENT APPROVAL  
**HOWARD** COUNTY NAME COUNTY NO. **A 40943**  
 STATE SIGNATURE \_\_\_\_\_ DATE ISSUED \_\_\_\_\_  
**060289** DATE ISSUED **12/2/89**  
 NORTH GRID **534000** EAST GRID **0819000**

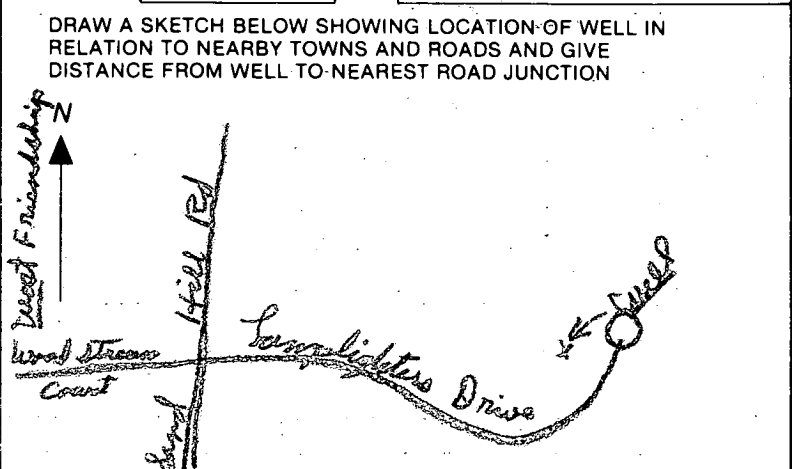
APPROXIMATE DEPTH OF WELL **280** FEET

APPROXIMATE DIAMETER OF WELL **6** INCH

METHOD OF DRILLING (circle one)  
 BORED (or Augered)  JETTED  Jetted & DRIVEN  
 AIR-ROTARY  AIR-PERCussion  ROTARY (Hydraulic Rotary)  
 CABLE  REVERSE-ROTARY  Drive-POINT  
 other \_\_\_\_\_

SHOW MAJOR FEATURES OF BOX & LOCATE WELL WITH AN X  
 SOURCES OF DRILLING WATER  
 1. **WELL**  
 2.  
 3.  
 WRITE THE BOX NUMBER FROM THE MAP HERE  
  
 DRAW A SKETCH BELOW SHOWING LOCATION OF WELL IN RELATION TO NEARBY TOWNS AND ROADS AND GIVE DISTANCE FROM WELL TO-NEAREST ROAD JUNCTION

REPLACEMENT OR DEEPEINED WELLS (CIRCLE APPROPRIATE BOX)  
 THIS WELL WILL NOT REPLACE AN EXISTING WELL  
 THIS WELL WILL REPLACE A WELL THAT WILL BE ABANDONED AND SEALED  
 THIS WELL WILL REPLACE A WELL THAT WILL BE USED AS A STANDBY  
 THIS WELL WILL DEEPEIN AN EXISTING WELL  
 PERMIT NUMBER OF WELL TO BE REPLACED OR DEEPEINED (IF AVAILABLE) \_\_\_\_\_



Not to be filled in by driller (OEP USE ONLY)  
 APPROP. PERMIT NUMBER \_\_\_\_\_ GAP \_\_\_\_\_  
 FORCE **CW** WRITE INITIALS IN BOX PERMIT No. **HO-88-0669**

SPECIAL CONDITIONS

**C1** **0220** SEQUENCE NO. (DENV USE ONLY)  
 (THIS NUMBER IS TO BE PUNCHED IN COLS. 3-6 ON ALL CARDS)

**STATE OF MARYLAND**  
**WELL COMPLETION REPORT**  
 FILL IN THIS FORM COMPLETELY  
 PLEASE PRINT OR TYPE

THIS REPORT MUST BE SUBMITTED WITHIN 45 DAYS AFTER WELL IS COMPLETED.  
 COUNTY NUMBER **A40943**

ST/CO USE ONLY  
 DATE Received [ ] [ ] [ ] [ ] [ ] [ ]  
 DATE WELL COMPLETED **06/16/87**

Depth of Well **305** (TO NEAREST FOOT)

PERMIT NO. FROM "PERMIT TO DRILL WELL"  
**HO-88-0669**

OWNER **HILL top Development Corp.**  
 STREET OR RFD \_\_\_\_\_ TOWN \_\_\_\_\_  
 SUBDIVISION **SAND HILLS** SECTION \_\_\_\_\_ LOT **11**

**WELL LOG**  
 Not required for driven wells

STATE THE KIND OF FORMATIONS PENETRATED, THEIR COLOR, DEPTH, THICKNESS AND IF WATER BEARING

DESCRIPTION (Use additional sheets if needed)	FEET		Check if water bearing
	FROM	TO	
Sandstone	0	16	
Gray shale	16	305	

**GROUTING RECORD**  
 WELL HAS BEEN GROUTED (Circle Appropriate Box) **Y** **N**  
 TYPE OF GROUTING MATERIAL  
 CEMENT **CM** BENTONITE CLAY **BC**  
 NO. OF BAGS **6** NO. OF POUNDS **54**  
 GALLONS OF WATER **36**  
 DEPTH OF GROUT SEAL (to nearest foot)  
 from **0** ft. to **20** ft.  
 (enter 0 if from surface)

**C 3**

**PUMPING TEST:**  
 HOURS PUMPED (nearest hour) **3**  
 PUMPING RATE (gal. per min. to nearest gal.) **15**  
 METHOD USED TO MEASURE PUMPING RATE **DW Rot**  
 WATER LEVEL (distance from land surface)  
 BEFORE PUMPING **46**  
 WHEN PUMPING **49**  
 TYPE OF PUMP USED (for test)  
**A** air **P** piston **T** turbine  
**C** centrifugal **R** rotary **O** other (describe below)  
**J** jet **S** submersible

**CASING RECORD**  
 casing types insert appropriate code below  
**ST** **CO** **PL** **OT**  
 STEEL CONCRETE PLASTIC OTHER  
 MAIN CASING TYPE **ST** Nominal diameter top (main) casing (nearest inch) **6** Total depth of main casing (nearest foot) **28**

**PUMP INSTALLED**  
 DRILLER WILL INSTALL PUMP YES **NO**  
 IF DRILLER INSTALLS PUMP, THIS SECTION MUST BE COMPLETED FOR ALL WELLS EXCEPT HOME USE  
 TYPE OF PUMP INSTALLED PLACE (A,C,J,P,R,S,T,O) IN BOX - SEE ABOVE:  
 CAPACITY: GALLONS PER MINUTE (to nearest gallon) [ ] [ ] [ ] [ ] [ ] [ ]  
 PUMP HORSE POWER [ ] [ ] [ ] [ ] [ ] [ ]  
 PUMP COLUMN LENGTH (nearest ft.) [ ] [ ] [ ] [ ] [ ] [ ]  
 CASING HEIGHT (circle appropriate box and enter casing height)  
**+** above } LAND SURFACE (nearest foot) **1**  
**-** below }

**OTHER CASING (if used)**  
 diameter inch [ ] [ ] depth (feet) from [ ] to [ ]

**SCREEN RECORD**  
 screen type or open hole insert appropriate code below  
**ST** **BR** **HO** **PL** **OT**  
 STEEL BRASS OPEN HOLE PLASTIC OTHER

**C 2**

EACH CASING SCREEN	DEPTH (nearest ft.)	
	1	2
1	<b>HO</b> <b>22</b>	<b>305</b>
2	[ ] [ ] [ ] [ ] [ ] [ ]	[ ] [ ] [ ] [ ] [ ] [ ]
3	[ ] [ ] [ ] [ ] [ ] [ ]	[ ] [ ] [ ] [ ] [ ] [ ]

SLOT SIZE 1 \_\_\_\_\_ 2 \_\_\_\_\_ 3 \_\_\_\_\_  
 DIAMETER OF SCREEN [ ] [ ] [ ] [ ] (NEAREST INCH)  
 from \_\_\_\_\_ to \_\_\_\_\_

CIRCLE APPROPRIATE LETTER  
**A** A WELL WAS ABANDONED AND SEALED WHEN THIS WELL WAS COMPLETED  
**E** ELECTRIC LOG OBTAINED  
**P** TEST WELL CONVERTED TO PRODUCTION WELL

I HEREBY CERTIFY THAT THIS WELL HAS BEEN CONSTRUCTED IN ACCORDANCE WITH COMAR 26.04.04 "WELL CONSTRUCTION" AND IN CONFORMANCE WITH ALL CONDITIONS STATED IN THE ABOVE CAPTIONED PERMIT, AND THAT THE INFORMATION PRESENTED HEREIN IS ACCURATE AND COMPLETE TO THE BEST OF MY KNOWLEDGE.

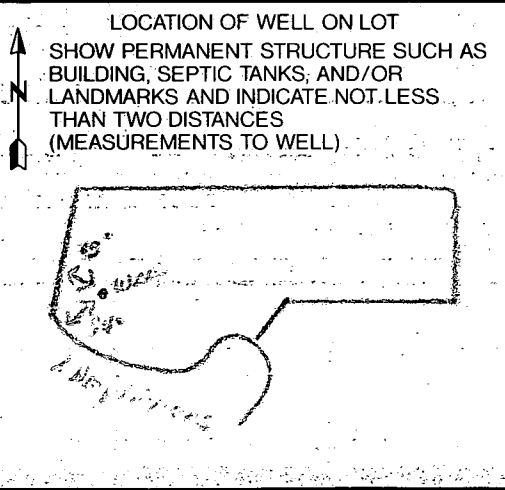
DRILLERS IDENT. NO. **228**

DRILLERS SIGNATURE (MUST MATCH SIGNATURE ON APPLICATION)

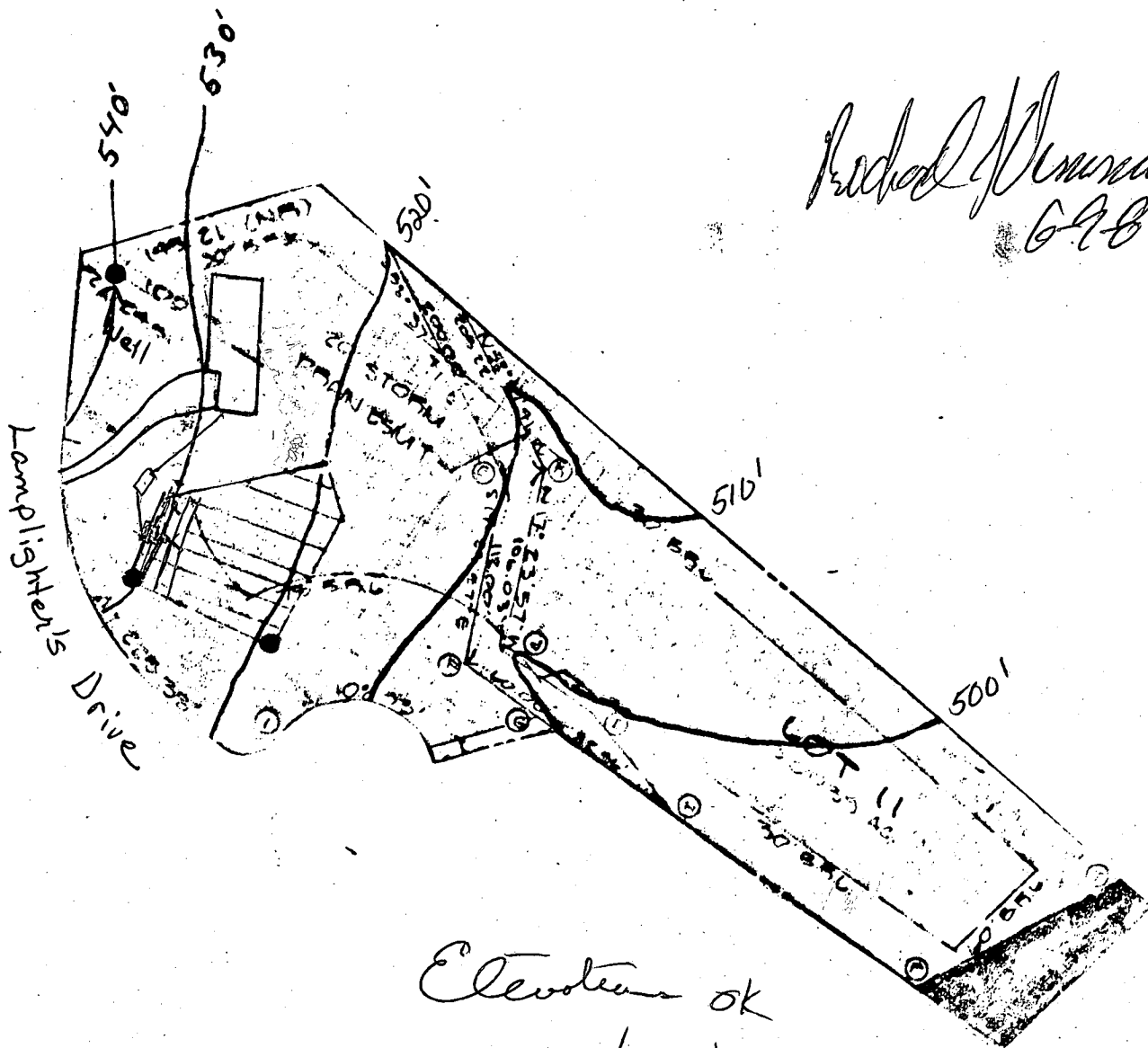
SITE SUPERVISOR (sign. of driller or journeyman responsible for sitework if different from permittee)

GRAVEL PACK IF WELL DRILLED WAS FLOWING WELL INSERT F IN BOX 68 **68**

OEP USE ONLY (NOT TO BE FILLED IN BY DRILLER)  
 T (E.R.O.S.) 70 [ ] 72 [ ] W Q 74 [ ] 75 [ ] 76 [ ]  
 TELESCOPE CASING LOG INDICATOR OTHER DATA



Lot 11 Sand Hill Acres  
 Hilltop Development Corporation  
 P.O. Box 208, Clarksville, MD 21029  
 (301) 531-5539  
 Scale 1" = 100'  
 Contour Interval = 10'  
3.0039 Acres



*Richard Bennett*  
 6-9-89

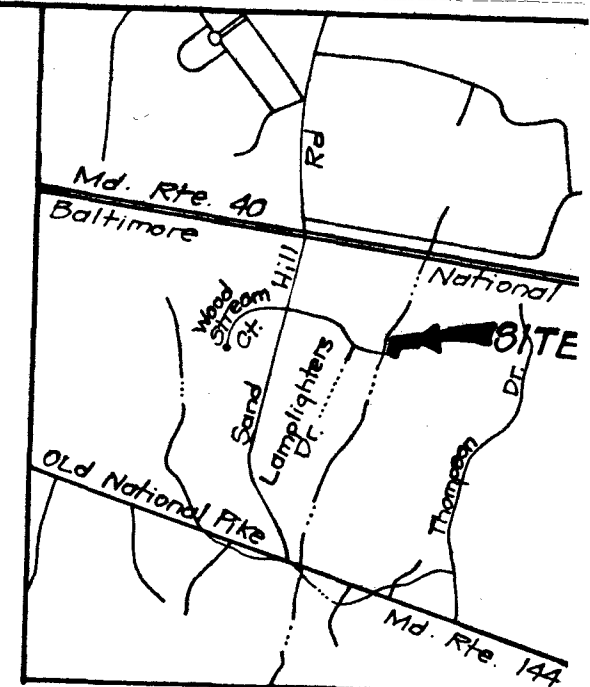
Elevations ok  
 8/25/89 CWL

Ground at Well	<u>540.0</u>
Ground at Field	<u><del>522.0</del> 531.1</u>
Into Field	<u><del>519.0</del> 528</u>
Out of Tank	<u><del>519.0</del> 528.5</u>
Into Tank	<u><del>519.8</del> 528.7</u>
Out of House	<u><del>520</del> 529.5</u>
Basement	<u><del>523.0</del> 522</u>
First Floor	<u><del>530.0</del> 532</u>

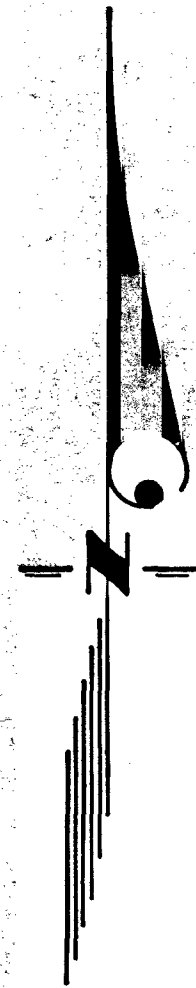
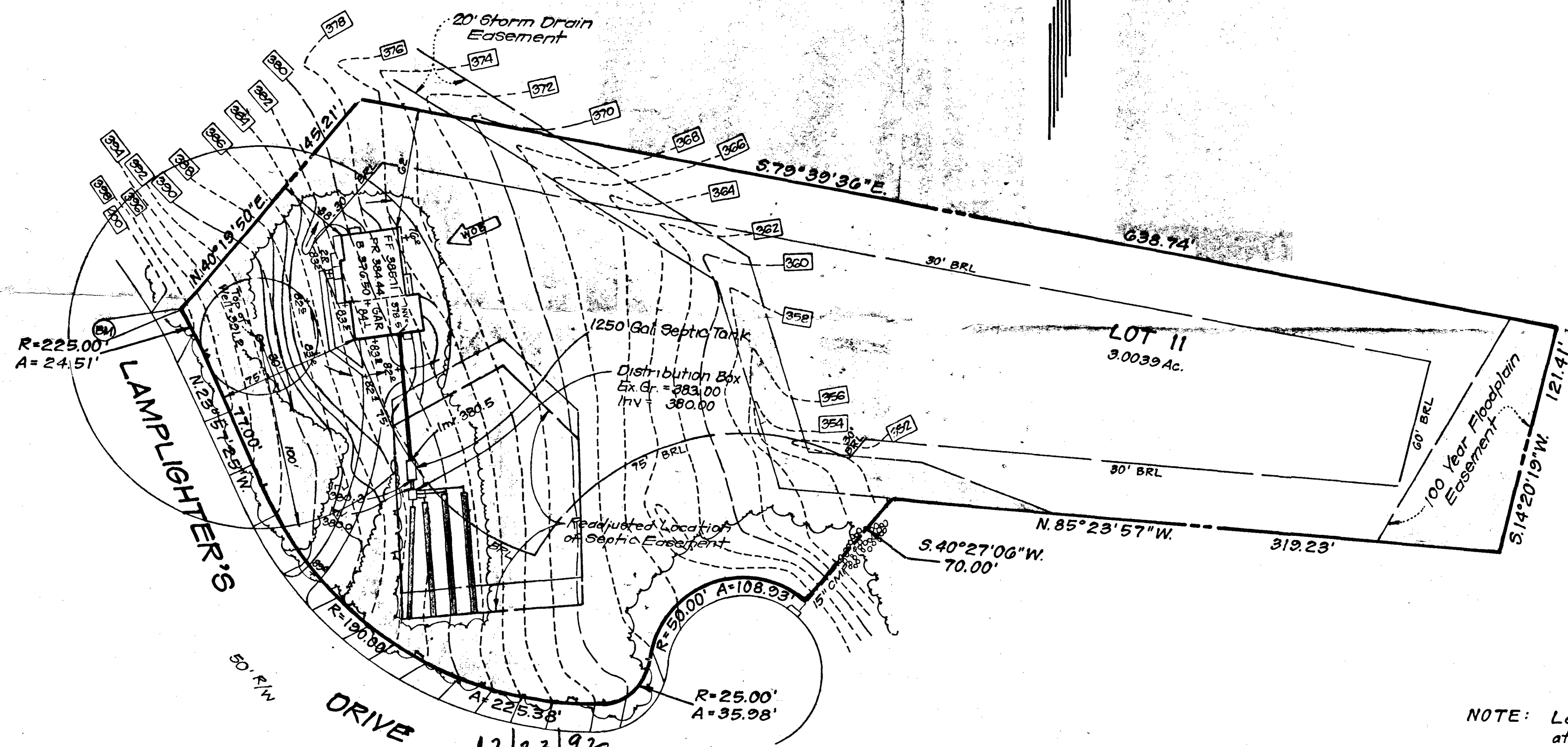
**LEGEND**

- Contour Interval 2 Ft.
- Existing Contour 370
- Proposed Contour 370
- Spot Elevation 702
- Direction of Drainage 702
- Walkout Basement

Field run topography was Clark Finefrock and Sackett, Inc. 6-11-92.



**VICINITY MAP**  
Scale: 1" = 2000'



NOTE: Length of trench to be determined at time of permit issuance.

12/23/92  
REVISED PLAN OK  
BP 46065  
NOTE: Basement will not Sewer R. Hodges by gravity.

Permit No 46065  
4 Bedrooms

Plat Reference 8355

**CLARK • FINEFROCK & SACKETT, INC.**  
ENGINEERS • PLANNERS • SURVEYORS

7135 MINSTREL WAY • COLUMBIA, MD. 21045 • (301) 381-7500 - BALTO. • (301) 621-8100 - WA

DESIGNED JME	<b>SITE DEVELOPMENT PLAN</b> LOT 11 <b>SAND HILL ACRES</b> SECTION 3 AREA 1 3RD ELECTION DISTRICT HOWARD COUNTY, MARYLAND	SCALE 1" = 1'	
DRAWN BAL		DRAW 1 OF	
CHECKED JME		JOB NO 92-	
DATE JUNE 1992		FOR: TROUTMAN COMPANY 4801 Dorsey Hall Drive ELLSWORTH, MD.	FILE NO 92-1

Revise septic system and easement  
11/20/92  
Date