

10/20/88

10/19/88  
10/19/88

05-404800

Allen -  
New copy  
17 photoplant  
spec.

complete file

# PERMIT

P 42565

A 37246

SEWAGE DISPOSAL SYSTEM

MARYLAND STATE DEPARTMENT OF HEALTH

DISTRICT 5th

**HOWARD COUNTY**  
BUREAU OF ENVIRONMENTAL HEALTH  
461-9933

INDEXED

DATE 9/21/88

DATE SYSTEM APPROVED 10/20/88

INSPECTOR CW

Allen's Backhoe Rental

IS PERMITTED TO INSTALL  ALTER

ADDRESS 15050 Carrs Mill Road, Woodbine, Maryland 21797 PHONE \_\_\_\_\_

SUBDIVISION Thistledowns ROAD 7013 Woodscape Drive LOT 5

PROPERTY OWNER Robert Berger

ADDRESS \_\_\_\_\_

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

GARBAGE GRINDER? YES  NO

295  
3/880

SEPTIC TANK CAPACITY 2000 GALLONS NUMBER OF BEDROOMS 4

220 WITH DISPOSAL

TRENCHES - 180 sq. ft. per bedroom. Trench to be 3 feet wide. Inlet 3.5 feet below original grade. Bottom maximum depth 5.0 feet below original grade. Effective area begins at 3.5 feet below original grade. 1.5 feet of stone below distribution pipe.

LOCATION - Place the distribution box 160 feet from the front (141') lot line and 80 feet from the left lot line as seen when facing the property from Woodscape Drive. Run trenches on contour toward the left and right lot line.

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

PLANS APPROVED BY Sid Abel DATE 1/09/87

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.

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(IES) ARE USED CALL FOR INSPECTION BEFORE AND AFTER PLACING GRAVEL IN TRENCH(IES).

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 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 PVC OR ABS ACCEPTED. IF TOP OF SEPTIC TANK IS DEEPER THAN 3 FEET, MANHOLE TO GRADE REQUIRED.

NOTE: DISTRIBUTION BOXES MUST HAVE BAFFLES.

ENGG. PERMIT SIGNED  
AND RETURNED 10/20/88  
Serial # 22207 PPH

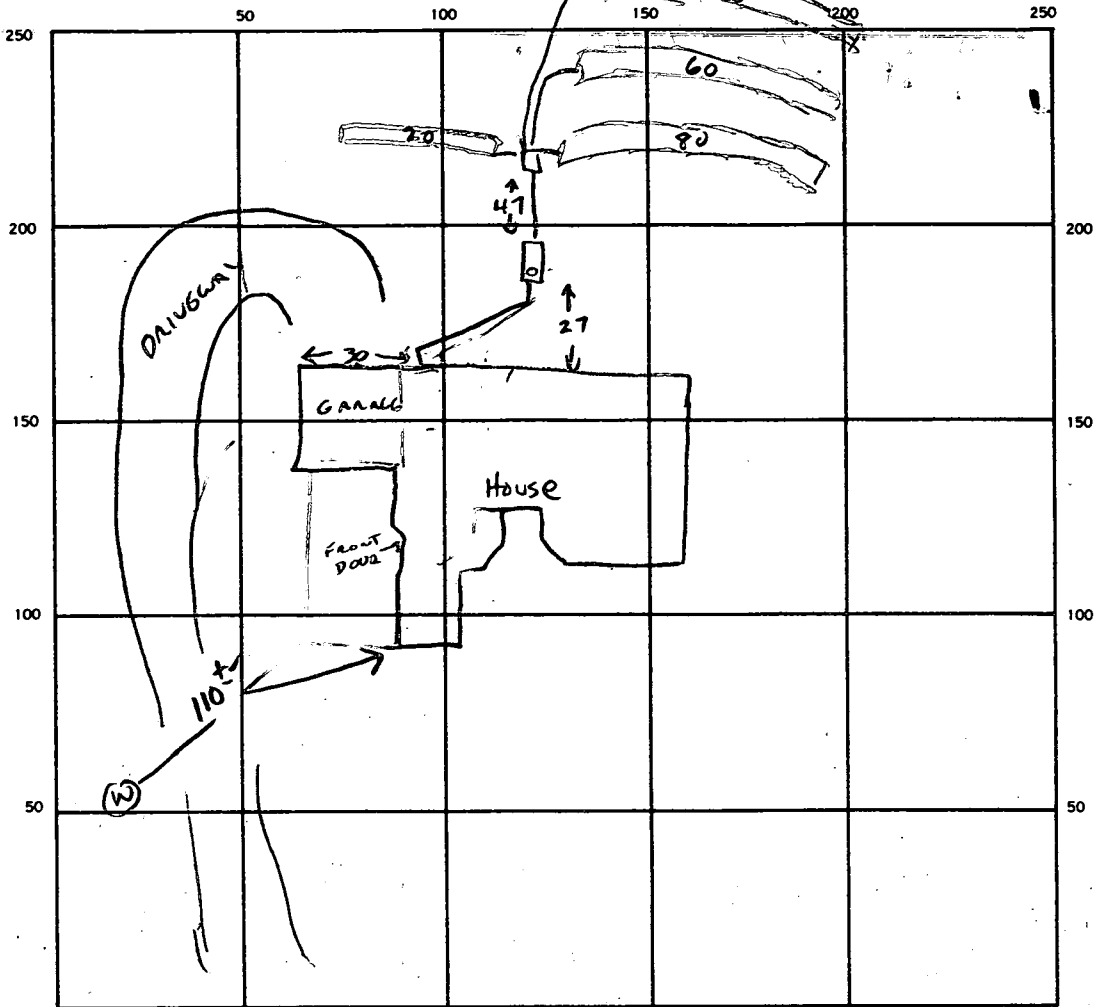
**\*INSTALLER IS RESPONSIBLE FOR OBTAINING FINAL APROVAL ON THIS PERMIT**

\*CALL 461-9933 FOR INSPECTION OF SEPTIC SYSTEMS.

EH - 2-1186

A  
37846

3  
180  
4  
720  
240 LF  
3720  
6  
12



INDICATE NORTH. — NAME ADJOINING ROADWAY AS BASE LINE.  
WOODSCAPE CT.

SEPTIC TANK LEVEL 2000 ✓ CLEANOUTS 57 ✓

DISTRIBUTION BOX LEVEL ✓

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

EFFECTIVE GRAVEL DEPTH 2 FT. TOTAL LENGTH 295 FT.

NUMBER OF TRENCHES 5 ONE-SIDEWALL/BOTTOM AREA 785 SQ. FT.

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

ABSORBENT AREA 785 SQ. FT.

2'  
295  
3  
785

REMARKS 10/18/88 - NO WORK DONE. SAC

10/19/88 200 FT TRENCH INSTALLED AT THIS TIME. SEWER LINE HOUSE → TANK → DIST BOX CW, OK,

10/20/88 SYSTEM COMPLETE. CW.

DATE SYSTEM APPROVED 10/20/88 INSPECTOR CWilla

SUBDIVISION: Distledowns

LOT NUMBER: 5

DRY WELL OR DRY WELL AND TRENCH

	<u>Septic Tank</u>	<u>sq. ft./bedroom</u>	<u>Minimum Total square Feet</u>
3 bedroom	1000 gallon		
4 bedroom	1250 gallon		
5 bedroom	1500 gallon		

Inlet \_\_\_\_\_ feet below original grade.

Bottom maximum depth \_\_\_\_\_ feet below original grade.

Effective area begins at \_\_\_\_\_ feet below original grade.

NOTE: If trench is used to make up absorbent area, run the trench on level ground and leave a 5 foot earth buffer between dry well and trench. No trench is to exceed 100 feet in length. Trench inlet to be same as dry well, with \_\_\_\_\_ feet of stone below distribution pipe.

TRENCHES

180 sq. ft./bedroom

Trench to be 3 wide.

Inlet 3.5 feet below original grade.

Bottom maximum depth 5.0 feet below original grade.

Effective area begins at 3.5 feet below original grade.

10.5 feet of stone below distribution pipe.

4-  
Ken Allen <sup>yes</sup>

- NOTE:
- (1) No trench to exceed 100 feet in length.
  - (2) If more than one trench used, a distribution box is required.
  - (3) Trenches to be installed on level ground.
  - (4) Call for inspection of trench before gravel is installed.
  - (5) Provide 6"-8" diameter cleanout and cap to grade or above on septic tank and drywell.
  - (6) If a Garbage disposal is used, increase septic tank capacity by 50% and increase absorbant sidewall area by 22%.

LOCATION: PLACE THE DISTRIBUTION BOX 160 FT FROM THE FRONT (141') LOT LINE AND 80 FT FROM THE LEFT LOT LINE AS SEEN WHEN FACING THE PROPERTY FROM WOODSCAPE DR. RUN TRENCHES ON CONTOUR TOWARD THE LEFT AND RIGHT LOT LINE. 1-9-87 S. ABLE

# APPLICATION

SEWAGE DISPOSAL TESTING

STATE OF MARYLAND - DEPARTMENT OF HEALTH AND MENTAL HYGIENE

A 37246  
P \_\_\_\_\_

HOWARD COUNTY HEALTH DEPARTMENT  
ENVIRONMENTAL HEALTH SERVICES  
P. O. BOX 473 ELLICOTT CITY, MARYLAND 21043  
TELEPHONE: 992-2330

DISTRICT \_\_\_\_\_  
DATE 4/25/86

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 Estate of Grace E. Iager Robert Berger  
c/o Tom Lloyd  
ADDRESS Lloyd, Kane and Wieder 2716 Court Place PHONE \_\_\_\_\_  
Ellicott City, Maryland 21043

PROPERTY LOCATION:

SUBDIVISION Thistle-down LOT NO. B 5 on Prelim

ROAD AND DESCRIPTION South Guilford Road between Hall Shop and Pindell School Road.  
7013 WOODSCOPE DR.

SIZE OF LOT 3.1 acres TYPE BLDG. residential  
(NUMBER OF BEDROOMS)

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.

[Signature]  
(SIGNATURE OF APPLICANT)

APPROVED BY Sickey Abel FOR Shallow tile fields DATE 1-9-87

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

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

REASONS FOR REJECTION OR HOLDING 7-16-86 Hold Requires REDESIGN UPHILL; WATER LOW HOLES AT 12"  
NO WET SEASON AS DESIGNED. S. Abel 7-18-86 Perc Satisfactory; Hold for Subdivision  
Permit; Shallow Syst. Only. S. Abel

BLDG. PERMIT SIGNED  
AND RETURNED 10/26/87

## THIS IS NOT A PERMIT

BP 15127  
[Signature]

SOIL PROFILE

0  
4'  
12.5'

**A-3**  
Yellow BR  
Silt LOAM  
<10%  
FRAGMENTS  
12% CLAY

3'  
Light BR.  
w/white  
veins silty  
SAND LOAM  
<10%  
FRAGMENTS

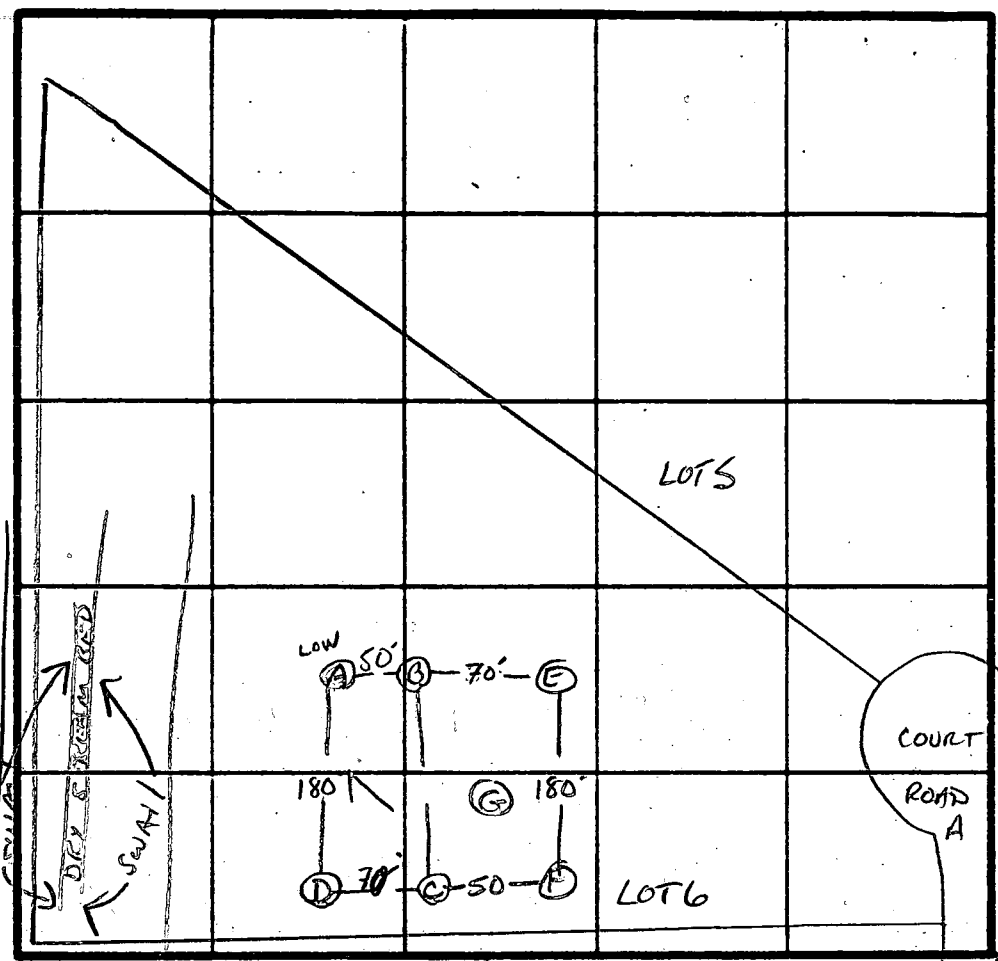
SOIL PROFILE

0  
4'  
3'  
12'  
12.5'

**A-3**  
Yellow BR  
Silt LOAM <10%  
CLAY <10%  
FRAGMENTS

Brown/Yellow  
Brown veins  
Silty Silt  
LOAM  
<10%  
FRAGMENTS

Soil wet at  
11" Hole  
A



PERC  
2 MIN  
INLET 3"  
BOTTOM 4.5"  
180 Ø / BR

INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

RE 32

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME	
			START	STOP	START	STOP		
7/16/96	A S	3.5	1:53	1:55	1:55	1:58	3 MIN	
	A V	12.5	uniform soil below 3"					
	B S	4.0	2:57	2:58	2:58	3:01	3 MIN	
	B M	8'	2:54	2:55	2:55	2:57	2 MIN	✓
	B V	13'	uniform soil below 3"					✓
	C S	4'	2:28	2:29	2:29	2:31	2 MIN	✓
	C V	12.5'	uniform soil below 3.5"					
	D S	3.5	1:45	1:46	1:46	1:49	3 MIN	
	D V	12.5'	uniform soil below 3"					
VISUAL ELIMINATED - DIG ON REDESIGN								
7/18/96	E S	4'	1:55	1:56	1:56	1:57	1 MIN	✓
	E V	12'	uniform soil below 3"					
	F S	3.5	2:21	2:22	2:22	2:24	2 MIN	✓
	F V	12'	uniform soil below 3.0"					
	G V	12'	uniform soil below 3"					✓

Redesign until now wet

REMARKS PERC PER PLAT. HOLES DEEPER THAN LOT 7 HOLES EXCEPT C SEASON TEST AS DESIGNED

TYPE OF SOIL \_\_\_\_\_  
TESTED BY S. Abel ALSO PRESENT MARK, ALLEN BARRIBE

E11.2 10/9

# APPLICATION

SEWAGE DISPOSAL TESTING

STATE OF MARYLAND - DEPARTMENT OF HEALTH AND MENTAL HYGIENE

HOWARD COUNTY HEALTH DEPARTMENT  
ENVIRONMENTAL HEALTH SERVICES  
P. O. BOX 473 ELLICOTT CITY, MARYLAND 21043  
TELEPHONE. 992-2330

A 37246  
P \_\_\_\_\_

DISTRICT \_\_\_\_\_  
DATE 4/25/86

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.

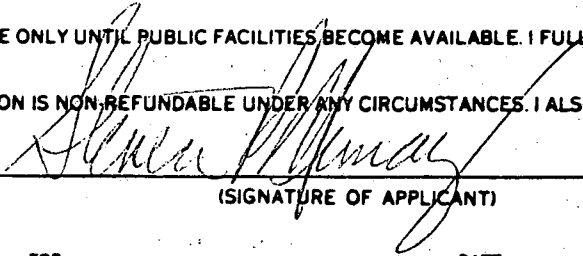
PROPERTY OWNER Estate of Grace E. Iager  
c/o Tom Lloyd  
ADDRESS Lloyd, Kane and Wieder 2716 Court Place PHONE \_\_\_\_\_  
Ellicott City, Maryland 21043

PROPERTY LOCATION:

SUBDIVISION Thistledown LOT NO. 6  
ROAD AND DESCRIPTION South Guilford Road between Hall Shop and Pindell School Road.

SIZE OF LOT 3.1 acres TYPE BLDG. residential  
(NUMBER OF BEDROOMS) \_\_\_\_\_

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.

  
(SIGNATURE OF APPLICANT)

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

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

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

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

## THIS IS NOT A PERMIT

SOIL PROFILE


INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	

REMARKS \_\_\_\_\_

TYPE OF SOIL \_\_\_\_\_

TESTED BY \_\_\_\_\_ ALSO PRESENT \_\_\_\_\_

EII-12 10/79

262.07

564°43'33" E

LOT 5

56°16' DINGMAN  
POOL IS VACUUM BREAK  
FOR SEPTIC TANK  
SHOWING  
OK TO ACCESS  
14' ACCESS  
TO  
COURT

FENCE DATA:  
4' HIGH POST & RAIL  
W/ WIRE (BY OWNER  
AS PER CODE)

SEPTIC  
RESERVE  
AREA

28' x 14'  
POOL

FRONT

(ACCESS)

N 67° 13' 23" W

C. POOL

NOTE  
Δ VACUUM BREAKER  
WILL BE INSTALLED  
ON JOB

30' BRK

225' 1/2

23' 1/2

128' 1/2

47'

34'

30'

6' 1/2

11' 1/2

36' 00"

148' 00"

27' 1/2

R=50.00

L=88.00

R=25.00

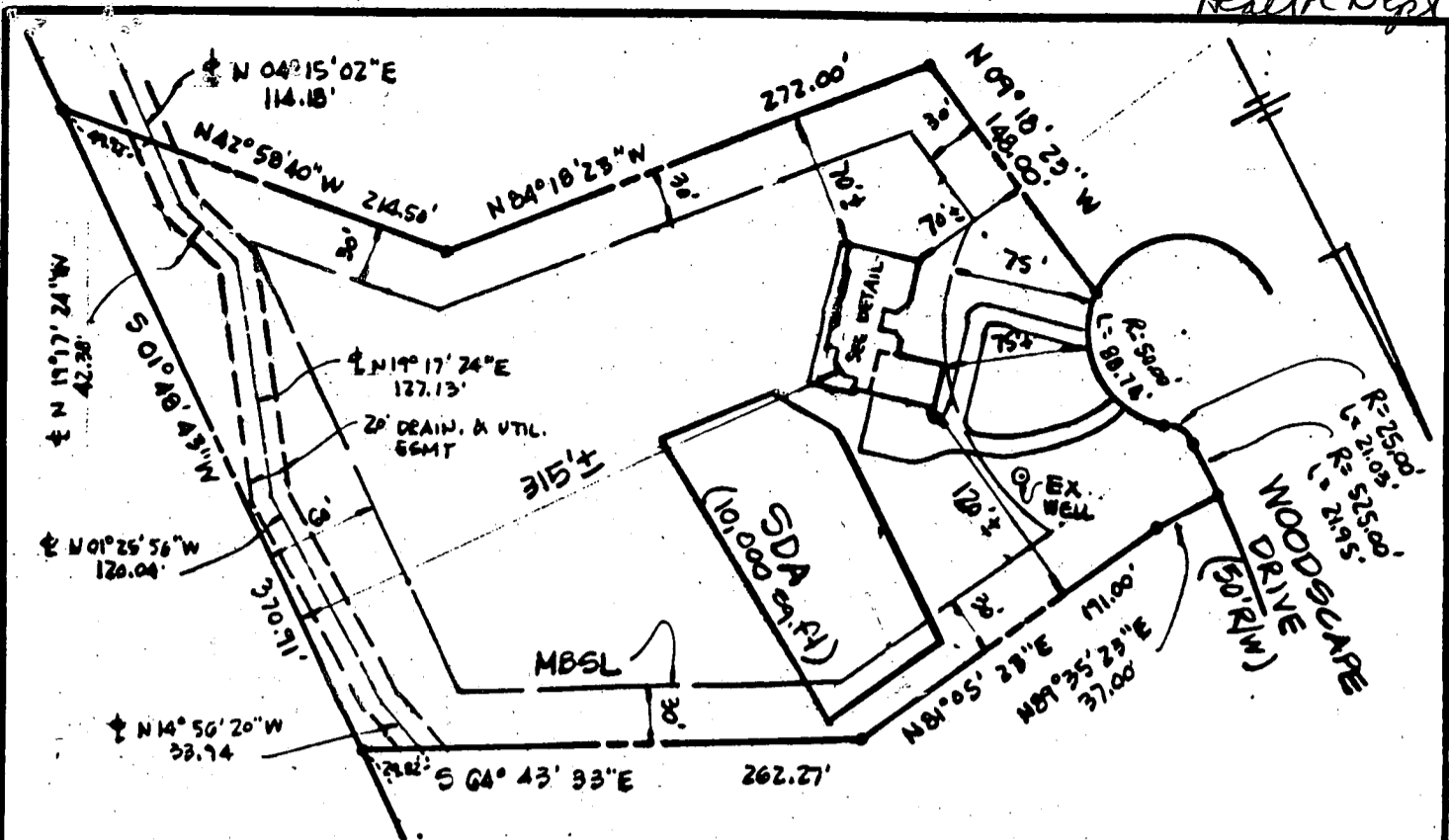
L=110.00

R=25.00

L=110.00

262.27

Health Dept



**PROPOSED ELEVATIONS**  
 GAR = 428.0 ±  
 FF = 430.0 ±  
 CE = 420.0 ±

1. INV. ELEV. OUT OF HOUSE = 423.5 (BSMT)
2. INV. ELEV. INTO SEPTIC TANK = 423.2
3. EXIST. ELEV. AT SEPTIC TANK = 426.5
4. INV. ELEV. (OUT OF) SEPTIC TANK = 422.9
5. INV. ELEV. (INTO) DIST. BOX = 422.5
6. EXIST. ELEV. AT DIST. BOX = 425.5
7. EXIST. ELEV. AT TRENCH = 425.5
8. INV. ELEV. (INTO) TRENCH = 422.0

**REVISED**  
 Date: 10/19/87  
 Comments: # 15127

10/20/87  
 drawings ok  
 JAW

**DETAIL**  
 1" = 50'

BLDG. PERMIT SIGNED  
 AND RETURNED 10/20/87  
 BP-15127

- NOTES:**
- 1.) CONTRACTOR TO PROVIDE POSITIVE DRAINAGE AWAY FROM FOUNDATION AT ALL TIMES.
  - 2.) DISTURBED AREA = 15,000 SQ. FT. ±

TRENCHES = 3 - 3' WIDE (5'-0" APART).  
 INLET 3.5 FEET BELOW ORIGINAL GRADE  
 BOTTOM MAX. DEPTH 5.0 FEET BELOW ORIGINAL GRADE. EFFECTIVE AREA BEGINS AT 3.5 FEET BELOW ORIGINAL GRADE. TRENCHES TO BE MAX. 100 FEET IN LENGTH, 1.5 FEET OF STONE BELOW DISTRIBUTION PIPE.

LOT 5  
**SECTION ONE**  
**THISTLE DOWN**  
 Δ 7255

*J.W.M.K.* 9/3/87 5TH ELECT. DISTRICT HOWARD CO., MD  
 James W. McKee, MD Reg. 9012 Date



**SITE PLAN**  
**WOODSCAPE DRIVE**

**McKEE & ASSOCIATES, INC.**  
 CIVIL ENGINEERS - LAND SURVEYORS  
 SHAWAN PLACE  
 5 SHAWAN ROAD HUNT VALLEY, MD 21030  
 301-252-5820

scale:  
 1" = 100'  
 date:  
 REV. 9/7/87  
 9/1/87  
 job no.:  
 M-1

drawn: JG designed: JG

B 1 **1581** SEQUENCE NO. (OEP 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

OEP PERMIT NUMBER  
**40-81-2194**  
 fill in this form completely

Date Received  
 OWNER INFORMATION  
**BERGER ROBERT**  
 15 Last Name 34 Owner First Name  
**10313 TWINNEN PLACE**  
 36 Street or RFD 55  
**COLUMBIA** **MD** **21045**  
 57 Town 70 State 72 Zip 76

B 3 LOCATION OF WELL  
**HOWARD**  
 8 COUNTY 21  
**TWINSTLEDOWN**  
 23 SUBDIVISION 42  
 SECTION **1** LOT **5**  
 44 46 48 50  
**CLARKSVILLE**  
 52 NEAREST TOWN 71  
 MILES FROM TOWN (enter 0 if in town) **3** MI  
 73 76 77 78

DRILLER INFORMATION  
**Paul M. Fabiszak**  
 77 License No. 80 **899**  
**G. Edgar Harr Sons' Corp.**  
 Firm Name  
**12047 Falls Rd., Cockeysville 21030**  
 Address  
**Paul M. Fabiszak** **7-1-87**  
 Signature Date

B 4 DIRECTION OF WELL FROM TOWN (CIRCLE BOX)  
  
 ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX)  
  
**WOODS GAP DRIVE**  
**Route 32**  
 11 NEAR WHAT ROAD 30  
**50**  
 34 DISTANCE FROM ROAD 37  
 ENTER FT or MI **FT**  
 38 39

B 2 WELL INFORMATION  
 APPROX. PUMPING RATE (GAL. PER MIN.) **5**  
 8 12  
 AVERAGE DAILY QUANTITY NEEDED (GAL. PER DAY) **250**  
 14 20

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** **A-37246**  
 COUNTY NAME COUNTY NO.  
 OEP SIGNATURE STATE HEALTH INSERT S  41  
 DATE ISSUED **072187** **B. Nifon** **01/21/88**  
 43 48 CO SIGNATURE EXP. DATE  
 NORTH GRID **492000** EAST GRID **0823000**  
 50 55 57 63

APPROXIMATE DEPTH OF WELL **200** FEET  
 24 28

APPROXIMATE DIAMETER OF WELL **6** NEAREST INCH

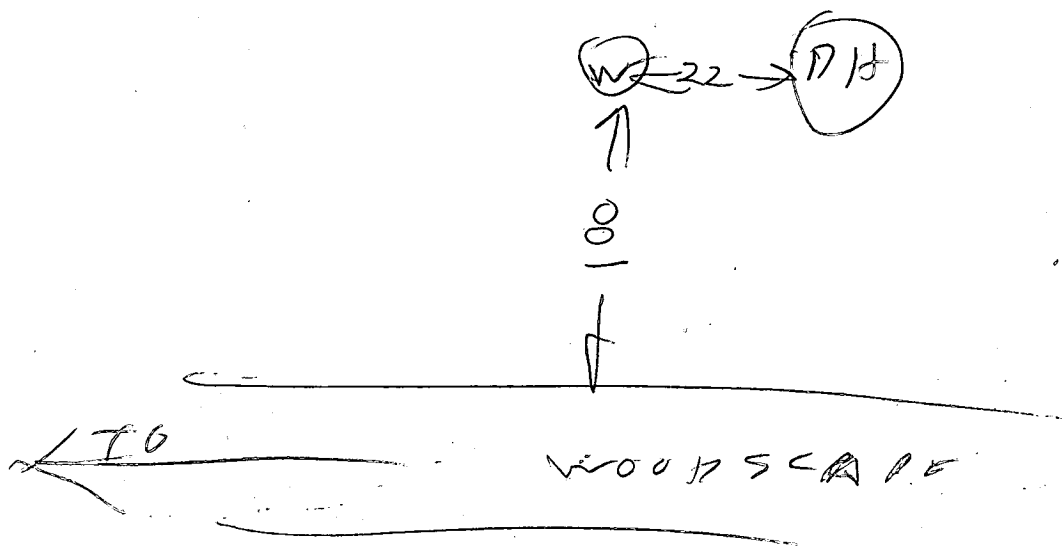
METHOD OF DRILLING (circle one)  
 BORED (or Augered)  JETTED  Jetted & DRIVEN  
 AIR-ROTary  AIR-PERCussion  ROTARY (Hydraulic Rotary)  
 CABLE  REVERSE-ROTary  DRIVE-POINT  
 other \_\_\_\_\_

REPLACEMENT OR DEEPEMED 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 DEEPEM AN EXISTING WELL  
 PERMIT NUMBER OF WELL TO BE REPLACED OR DEEPEMED (IF AVAILABLE) 41 \_\_\_\_\_ 52

Not to be filled in by driller (OEP USE ONLY)  
 APPROP. PERMIT NUMBER \_\_\_\_\_ G A P \_\_\_\_\_  
 54 63  
 FORCE **(H)** WRITE INITIALS IN BOX PERMIT No. **40-81-2194**  
 67 68 70 71 72 73 74 75 76 77 78 79

SHOW MAJOR FEATURES OF BOX & LOCATE WELL WITH AN X  
 SOURCES OF DRILLING WATER  
 1.  
 2.  
 3.  
 WRITE THE BOX NUMBER FROM THE MAP HERE  
  
 E **88023**  
 N **48092**

DRAW A SKETCH BELOW SHOWING LOCATION OF WELL IN RELATION TO NEARBY TOWNS AND ROADS AND GIVE DISTANCE FROM WELL TO NEAREST ROAD JUNCTION  
  
 N  
**8/7/87**  
**WELL OK**  
**SEE OTHER SIDE R.H.**  
**4 miles**  
**Route 29**  
**Route 32**



Locations

- ① 20 FT casing
- ② 18 bags cement
- ③ a nearby Dry Well was filled 20 ft from Top & 8 bags cement
- ④ arrived late Got information from grouter.

8/1/07

RECEIVED  
 HOWARD COUNTY  
 HEALTH DEPT.  
 ELICOTT CITY, MD.  
 JUL 0 8 50 AM '07





C1 5996 SEQUENCE NO. (OEP USE ONLY)

STATE OF MARYLAND WELL COMPLETION REPORT

THIS REPORT MUST BE SUBMITTED WITHIN 45 DAYS AFTER WELL IS COMPLETED:

(THIS NUMBER IS TO BE PUNCHED IN COLS. 3-6 ON ALL CARDS)

COUNTY NUMBER A-37246

DATE RECEIVED

DATE WELL COMPLETED 08/1/87

DEPTH OF WELL 200 (TO NEAREST FOOT)

PERMIT NO. FROM "PERMIT TO DRILL WELL" HO-81-2194

OWNER BERGER ROBERT STREET OR RFD WOODSCAPE DRIVE TOWN CLARKSVILLE SUBDIVISION THISTLEDOWN SECTION 1 LOT 5

WELL LOG table with columns: DESCRIPTION, FEET (FROM, TO), Check if water bearing. Includes entries for Overburden, Shale/Mud, Gray Rock, and Well No. 1 - 200' DRY (Backfilled).

GROUTING RECORD: WELL HAS BEEN GROUTED (Y), TYPE OF GROUTING MATERIAL CEMENT CM, BENTONITE CLAY BC, NO. OF BAGS 18, NO. OF POUNDS 1800, GALLONS OF WATER 108, DEPTH OF GROUT SEAL 0 to 80 ft.

CASING RECORD: casing types insert appropriate code below, MAIN CASING TYPE ST, Nominal diameter 6, Total depth of main casing 80.

OTHER CASING (if used) diameter inch, depth (feet) from to

SCREEN RECORD: screen type or open hole insert appropriate code below, SCREEN RECORD ST, BR, HO, PL, OT.

DEPTH (nearest ft.) 200, SLOT SIZE 1, 2, 3, DIAMETER OF SCREEN (NEAREST INCH)

A CIRCLE APPROPRIATE LETTER A WELL WAS ABANDONED AND SEALED WHEN THIS WELL WAS COMPLETED

I HEREBY CERTIFY THAT THIS WELL HAS BEEN CONSTRUCTED IN ACCORDANCE WITH COMAR 10.17.13 "WELL CONSTRUCTION" AND IN CONFORMANCE WITH ALL CONDITIONS STATED IN THE ABOVE CAPTIONED PERMIT...

DRILLERS IDENT. NO. 399, DRILLERS SIGNATURE, SITE SUPERVISOR (sign. of driller or journeyman responsible for sitework if different from permittee)

PUMPING TEST: HOURS PUMPED 3, PUMPING RATE 13.64 gal. per min. to nearest gal., METHOD USED TO MEASURE PUMPING RATE submersible, WATER LEVEL 41.6" BEFORE PUMPING, WHEN PUMPING 103.2", TYPE OF PUMP USED (for test) S submersible.

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, PUMP HORSE POWER, PUMP COLUMN LENGTH, CASING HEIGHT (circle appropriate box and enter casing height) above, below, LAND SURFACE (nearest foot)

LOCATION OF WELL ON LOT: SHOW PERMANENT STRUCTURE SUCH AS BUILDING, SEPTIC TANKS, AND/OR LANDMARKS AND INDICATE NOT LESS THAN TWO DISTANCES (MEASUREMENTS TO WELL)

GRAVEL PACK IF WELL DRILLED WAS FLOWING WELL INSERT F IN BOX 68, OEP USE ONLY (NOT TO BE FILLED IN BY DRILLER) T (E.R.O.S.), WQ, TELESCOPE CASING, LOG INDICATOR, OTHER DATA

