

✓ 5/19/89  
5/12/89  
After 12 noon

File

# PERMIT

SEWAGE DISPOSAL SYSTEM

MARYLAND STATE DEPARTMENT OF HEALTH

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

**INDEXED**

05.388449

P 49184  
A 27722  
DISTRICT 5th  
DATE 5/4/89  
DATE SYSTEM APPROVED 5/12/89  
INSPECTOR C.B. ✓

Gregs Excavation

IS PERMITTED TO INSTALL  ALTER

ADDRESS P. O. Box 769, Olney, Maryland

PHONE 831-7516

SUBDIVISION Green Hill Manor

ROAD 13531 Villa D'est Dr. LOT 4, Section 5

PROPERTY OWNER

John E. Belgard  
Kerwin Miller

PHONE: 924-5944

ADDRESS \_\_\_\_\_

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

GARBAGE GRINDER? YES  NO

SEPTIC TANK CAPACITY 2000 GALLONS NUMBER OF BEDROOMS 4

TRENCHES - 244 sq. ft. per bedroom with garbage disposal. Trench to be 2 feet wide. Inlet 3.5 feet below original grade. Bottom maximum depth 8 feet below original grade. Effective area begins at 3.5 feet below original grade. 4.5 feet of stone below distribution pipe.

LOCATION - Place the first trench 65 feet from the front lot line and 90 feet from the left lot line as seen when facing the lot from Villa D'est Drive. Run trenches on contour toward the left 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.

*ALSA*

PLANS APPROVED BY

Sid Abel

DATE 11/04/88

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 TRENCHES ARE USED CALL FOR INSPECTION BEFORE AND AFTER PLACING GRAVEL IN TRENCHES

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

BLDG. PERMIT SIGNED

AND RETURNED 8/23/95

Serial # 57233 -

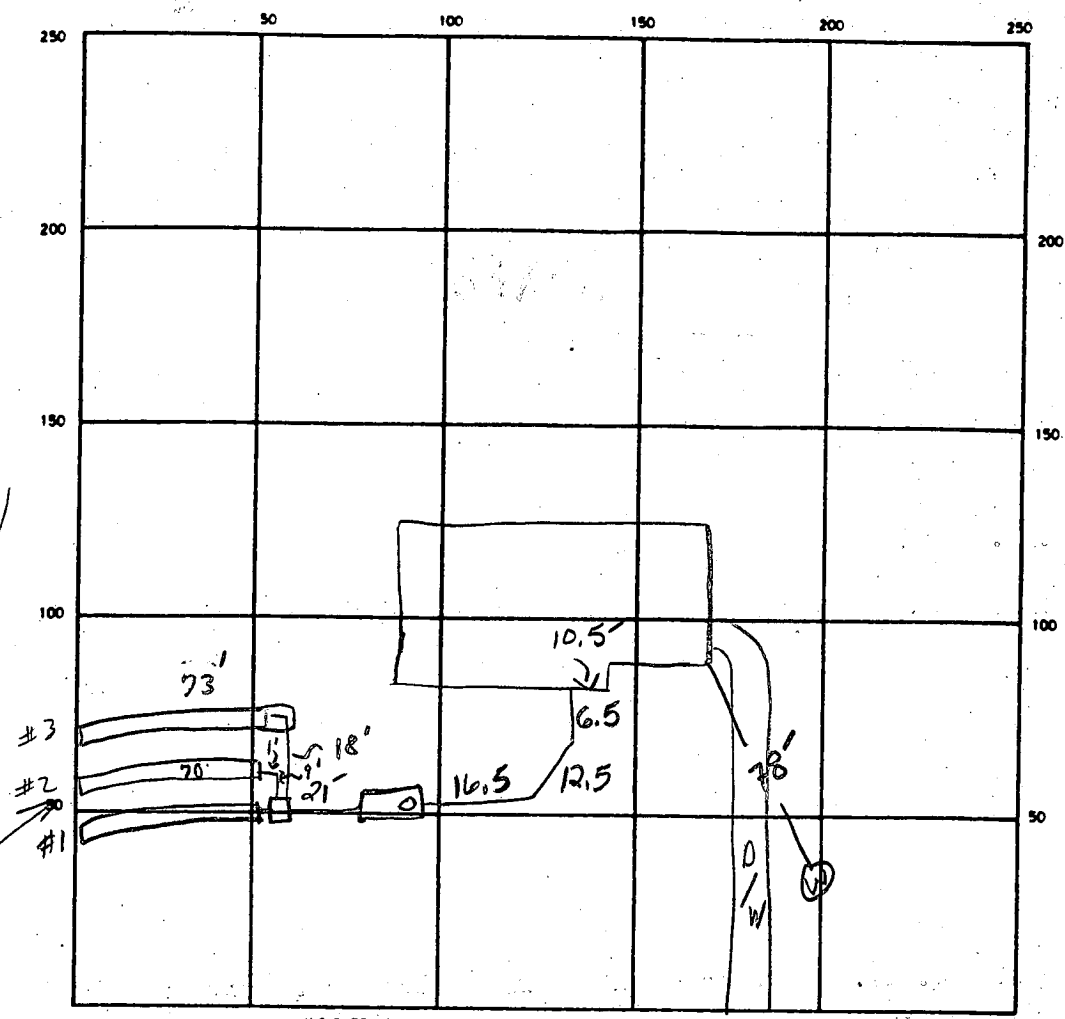
Pleban - garage

A 27722

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

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

45/97/10  
 2 17  
 315  
 315  
 380  
 244  
 976 70  
 3.5-8  
 84'  
 5/12/89  
 W/M  
 8'  
 45'  
 330  
 280  
 3150  
 {on next lot}



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE

Villa de Est DR. →

Dead End ←

SEPTIC TANK LEVEL 2000 ✓ CLEANOUTS S.T. ✓  
 DISTRIBUTION BOX LEVEL ✓ (Baffle in 5/12/89)  
 DRAIN FIELD/TILE FIELD DEPTH 8.5 FT. TRENCH WIDTH 2 FT. INLET DEPTH 35 FT.  
 EFFECTIVE GRAVEL DEPTH 4.5 5 FT. TOTAL LENGTH 70, 20, 73 } FT 213'  
 NUMBER OF TRENCHES 3 ONE SIDEWALL/BOTTOM AREA 993.5 SQ. FT. { (Trench #2) + (1/2' x 70 = 35) }  
 DRYWELL INSIDE DIAMETER - FT. EFFECTIVE DEPTH BELOW INLET - FT.  
 ABSORBENT AREA 993.5 SQ. FT.

REMARKS 5-9-89 - Change #2 TO 3.5-8.5' w/ 5' STONE TO PROTECT 4TH TRENCH  
OK TO STONE #1. S.Mul 5-9-89 OK TO COVER #2 AND ALL WORK FROM DB TO HOUSE. SAC  
5-11-89 Per Tele - CONTRACTOR GIVEN GO AHEAD TO STONE TRENCHES #2 + 3, TRENCH  
#2 + 3 TO BE MIN 70' ERED. SAC - 5/12/89 TRENCHES #2 + 3 COMPLETE  
WITH PAPER & PIPE FROM D.B. TO TRENCHES - OK; FINAL.

DATE SYSTEM APPROVED 5/12/89 INSPECTOR Charles Bryan Streaker

GREEN HILL MANOR SECTION 5

A 27722

SUBDIVISION:

VILLA D'EST DR

LOT NUMBER: 4

DRY WELL OR DRY WELL AND TRENCH

\_\_\_\_\_ sq. ft./bedroom

	<u>Septic Tank</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

Trench to be 2 wide.

Inlet 3.5 feet below original grade.

Bottom maximum depth 8 feet below original grade.

Effective area begins at 3.5 feet below original grade.

4.5 feet of stone below distribution pipe.

200 sq. ft./bedroom  
*244 sq. ft. bedrooms  
with Garbage Disposal*

- 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 absorbent sidewall area by 22%.

LOCATION: ~~# WELL SITE - RIGHT FRONT CORNER OF PROPERTY~~

PLACE THE FIRST TRENCH 65 FEET FROM THE FRONT LOT LINE  
AND 90 FEET FROM THE LEFT LOT LINE AS SEEN WHEN FACING  
THE LOT FROM VILLA D'EST DR. RUN TRENCHES ON CONTOUR  
TOWARD THE LEFT LOT LINE. S.M.M. 11-4-88

PRELIMINARY

# APPLICATION

A 27722  
P \_\_\_\_\_

## SEWAGE DISPOSAL TESTING

STATE OF MARYLAND - DEPARTMENT OF HEALTH AND MENTAL HYGIENE

HOWARD COUNTY HEALTH DEPARTMENT 1000 GAL TANK DISTRICT 5th  
ENVIRONMENTAL HEALTH SERVICES 1250 GALTANK DATE 3/30/78  
P. O. BOX 476, ELLICOTT CITY, MARYLAND 21043  
TELEPHONE: 465-5000, EXT. 356 DEEP DITCH 120 SQ FT PER BEDROOM

System 1st.  
DITCH TO BE 9 FT DEEP FILLED WITH 6 FT STONE (EXAMPLE  
3 BEDROOM - 60 FT LONG 4 BEDROOM 80 FT LONG)  
PLACE THE DITCH BETWEEN PERC HOLE #11 & PERC HOLE  
#23 PERC HOLE #11 IS LOCATED 15 FT FROM THE FRONT  
LOT LINE & 15 FT FROM THE LEFT SIDE OF THE LOT AS  
SEEN WHEN FACING THE LOT FROM VILLADEST DR PERC

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. HOLE 23 IS LOCATED 35 FT FROM THE FRONT LOT LINE AND 25 FT FROM THE LEFT SIDE OF THE LOT AS SEEN WHEN FACING THE LOT FROM  
PROPERTY OWNER V. L. Vinella VILLADEST DR

ADDRESS 12631 Circle Drive, Rockville, Md. 20850 PHONE Boender - 465-7777

Kerwin-Miller. 924-5944

PROPERTY LOCATION:  
SUBDIVISION Green Hill Manor LOT NO. 4, Sec. 5  
ROAD AND DESCRIPTION 13531 o Villa D'Est Drive

SIZE OF LOT ? TYPE BLDG. 3 or 4 bedrooms  
NUMBER OF BEDROOMS

IF NOT SINGLE RESIDENCE DESCRIBE \_\_\_\_\_

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

SIGNATURE OF APPLICANT /s/ Dennis Rush

APPROVED BY Raymond Hodger FOR DITCH DATE 3/17/80  
(KIND OF SYSTEM)

REJECTED BY \_\_\_\_\_ FOR \_\_\_\_\_ DATE \_\_\_\_\_  
(KIND OF SYSTEM)

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

REASONS FOR REJECTION OR HOLDING 3/17/80 - SPECS WRITTEN RH  
Final Plot signed 4/5/80

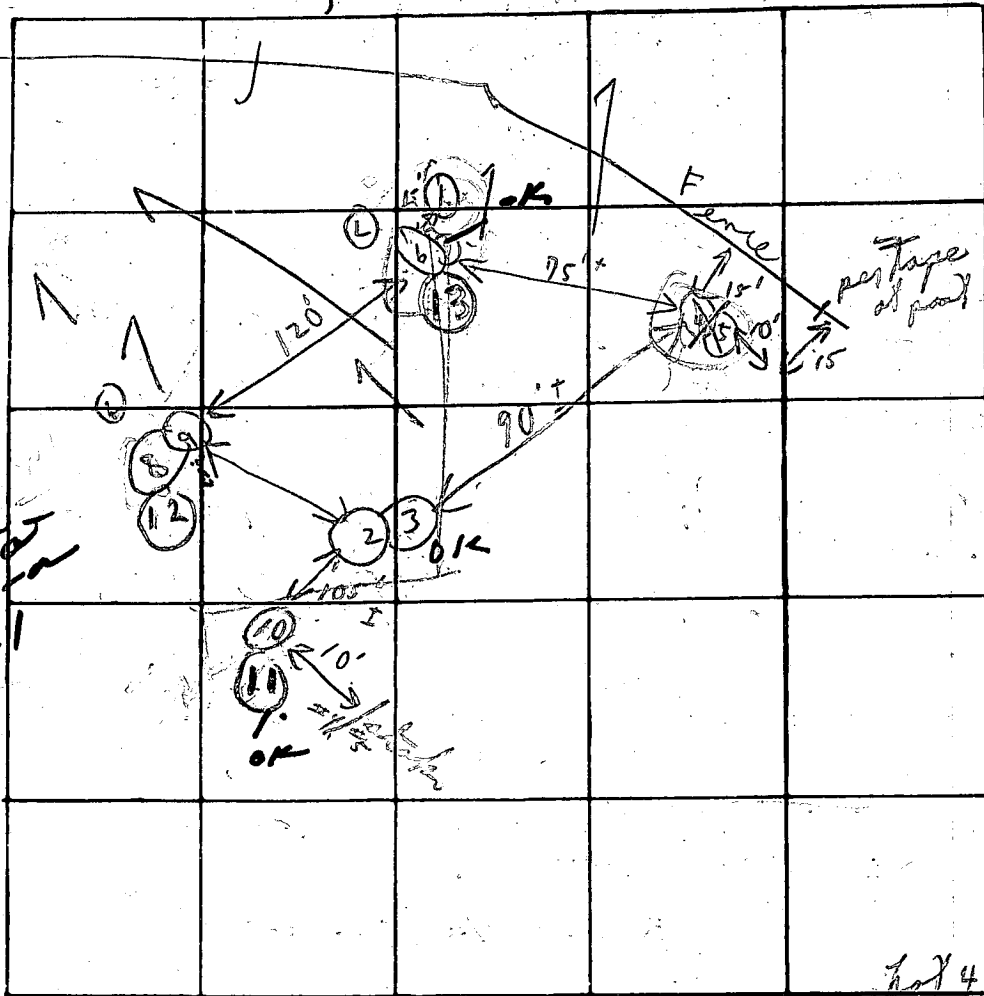
ENGG. PERMIT SIGNED  
AND RETURNED 1/4/88

BP 22306  
JAL

# THIS IS NOT A PERMIT

Bar  
Part  
Woods

lot #4



600  
31  
121

INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE

lot 4

(left field)  
6/10/15

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
4/5/78	L	10	UNDERGROUND WATER				9/17
4/6/78	2	3'	3:09	3:11	3:11	3:16	5m
	3	9'	3:08	3:11	3:11	3:16	5m
	(4)	X 3 1/2'	3:18	Y: 3'	48	1/8" only	Y
	(5)	8 1/2'	3:18	3:30	3:30	1/2" 4:00	
	(6) lower shelf	3' (possibly)	3:27	3:46	3:46	4:05 19"	10m
	7	8'	3:27	3:31	3:31	3:39	8m
	(8)	2'	3:49	4:04 1/2"	(lower shelf)		
	9	7 1/2'	3:41	3:45	3:45	3:52	7m
	10	13'	(Visual similar to 2 + 3)				

Below  
clay  
sand  
loam  
&  
silt

Between  
(4) & (5)  
2'-3' difference  
in elev.

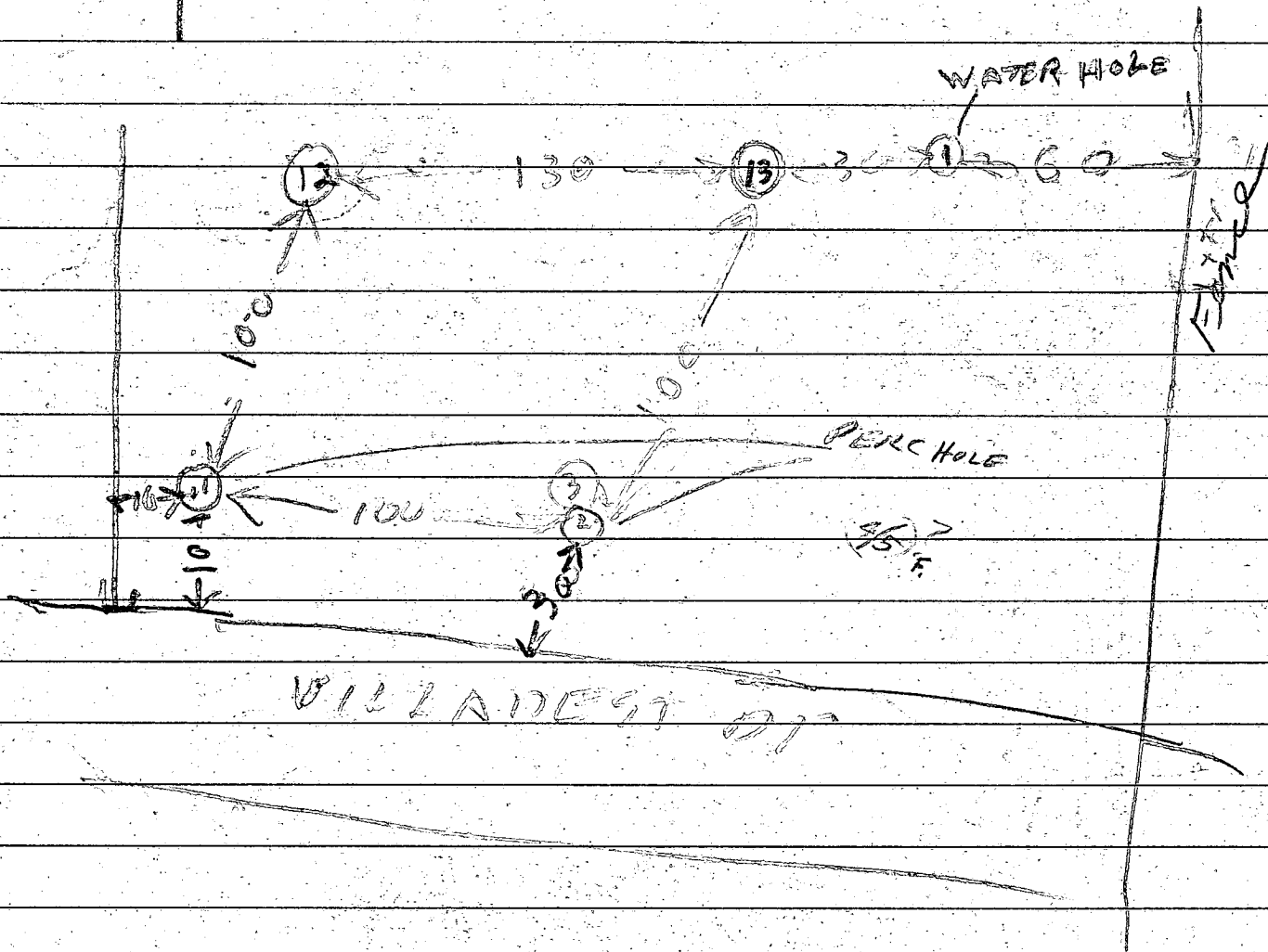
REMARKS: Hold for engineering. Some rose bushes. Possibly to do hole on opposite lot.

TYPE OF SOIL: 4/6/78 Jack Koentz

TESTED BY: 4/5/78 RH 4/6/78 C.B. ALSO PRESENT: Ketterman Fran Owner

# GREEN MANOR SECT 5 LOT 4 WILLADEST ST

4/7/78	110	12 1/2	115	129	129	155	27
4/7/78	119	4 1/2	115	123	123	127	4
4/7/78	129	5	132	135	135	141	6
4/7/79	135	4	133	200	cutting		
	13M	5 1/2	205	210	211	219	8
	13V	12 1/2	TOP 7 FT CLAY		BOT 7 FT SANDY GRAY		



LOT # 4

INV. ELEV. (OUT OF) HOUSE 470.50  
 INV. ELEV. (INTO) SEPTIC TANK 470.30  
 EXIST. ELEV. @ SEPTIC TANK 472.00  
 INV. ELEV. (OUT OF) SEPTIC TANK 462.27  
 INV. ELEV. (INTO) DISTRIBUTION BOX 462.33  
 EXIST. ELEV. @ DISTRIBUTION BOX 472.30  
 INV. ELEV. (OUT OF) DISTRIBUTION BOX 462.00  
 EXIST. ELEV. @ TRENCH 472.40

LOT # 5. Sec. 3

INV. ELEV. (OUT OF) HOUSE 465.76 ✓ + RSMT  
 INV. ELEV. (INTO) SEPTIC TANK 465.56 ✓  
 EXIST. ELEV. @ SEPTIC TANK 466.30 ✓  
 INV. ELEV. (OUT OF) SEPTIC TANK 465.23 ✓  
 INV. ELEV. (INTO) DISTRIBUTION BOX 464.83 ✓  
 EXIST. ELEV. @ DISTRIBUTION BOX 467.80 ✓  
 INV. ELEV. (OUT OF) DISTRIBUTION BOX 464.50 ✓  
 EXIST. ELEV. @ TRENCH 467.20 ✓

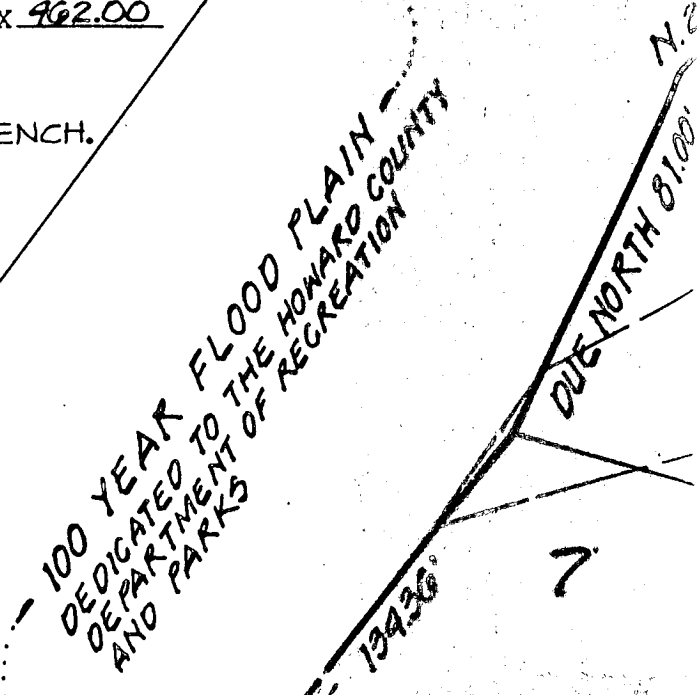
EDG. PERMIT SIGNED  
 AND RETURNED 11-4-88

DP 22306  
 SAH

LOT # 6

INV. ELEV. (OUT OF) HOUSE 464.46  
 INV. ELEV. (INTO) SEPTIC TANK 464.26  
 EXIST. ELEV. @ SEPTIC TANK 462.00  
 INV. ELEV. (OUT OF) SEPTIC TANK 463.93  
 INV. ELEV. (INTO) DISTRIBUTION BOX 462.33  
 EXIST. ELEV. @ DISTRIBUTION BOX 466.00  
 INV. ELEV. (OUT OF) DISTRIBUTION BOX 462.00  
 EXIST. ELEV. @ TRENCH 466.00

NOTE: 4'-0" COVER BELOW GRADE TRENCH.



J. ROBERT McALMONT  
L269 --- F428

N. 60° 56' 20" E. 561.32'

N. 86° 05' 11" E. 99.78' P.O.L.

30' B.R.L.

30' B.R.L.

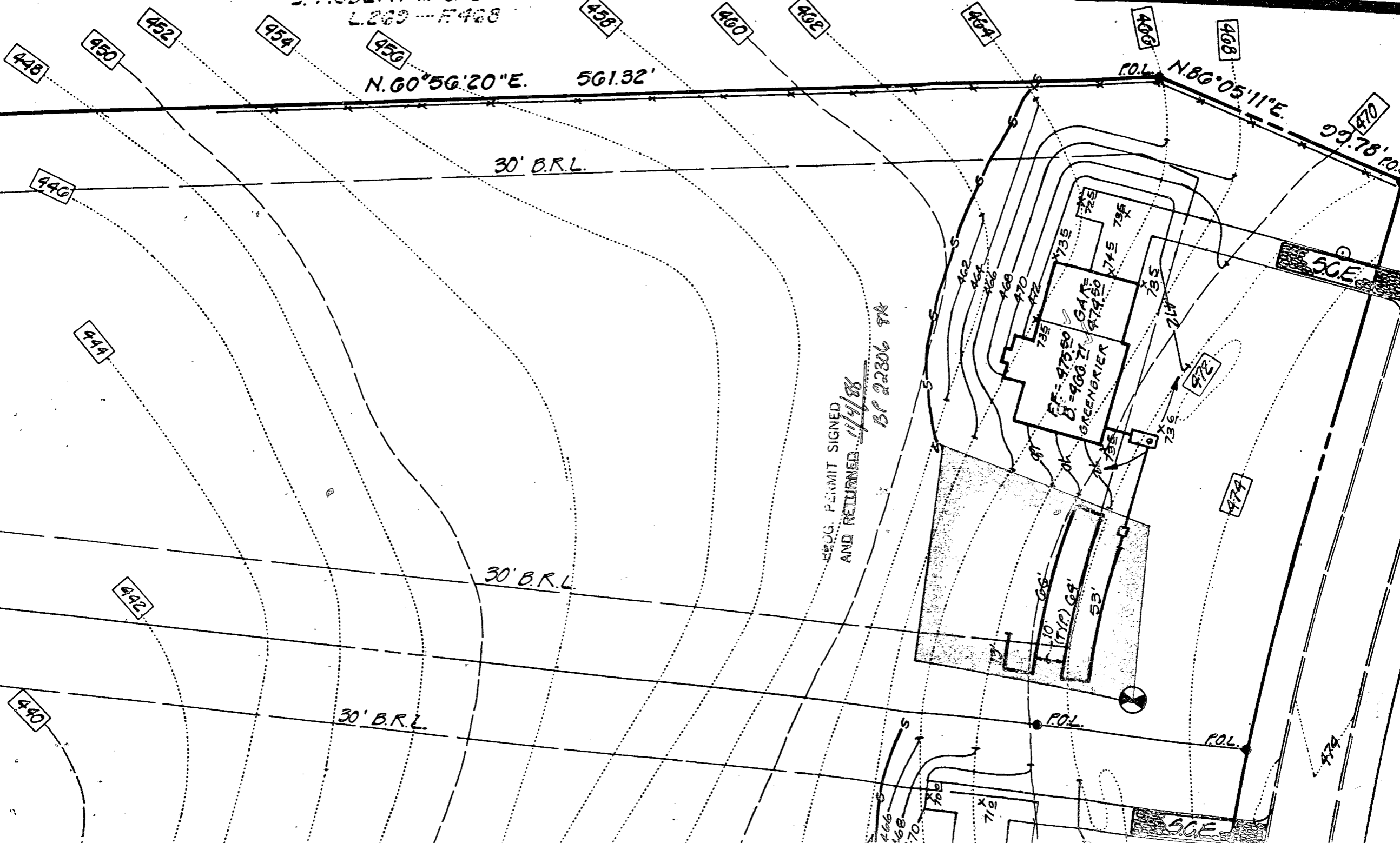
30' B.R.L.

REGG. PERMIT SIGNED  
AND RETURNED 11/4/88  
BP 22306 8A

FF = 975.50  
B = 900.21  
GREENBRIER  
GATE

SCE

SCE



B 1 **6746** SEQUENCE NO. (DP USE ONLY)  
(THIS NUMBER IS TO BE PUNCHED IN COLS. 3-6 ON ALL CARDS)

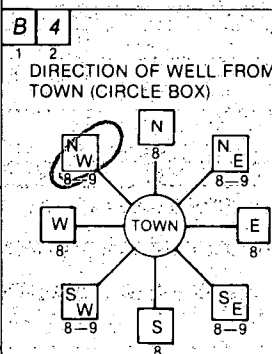
STATE OF MARYLAND  
PERMIT TO DRILL WELL  
please print or type

STATE PERMIT NUMBER  
**HO-81-2575**  
fill in this form completely.

Date Received (APA) **020580**  
OWNER INFORMATION  
**KERWIN MILLER COMM**  
Last Name Owner First Name  
**4229 CHERRY VALLEY D**  
Street or RFD  
**OLNEY** **MD 20832**  
Town State Zip

B 3 LOCATION OF WELL  
**HOWARD** COUNTY  
**GREEN HILL MANOR** SUBDIVISION  
SECTION **5** LOT **4**  
**HIGHLAND** NEAREST TOWN  
MILES FROM TOWN (enter 0 if in town) **2** MI

DRILLER INFORMATION  
George F. Easterday  
Driller's Name  
**L. Franklin Easterday, Inc.**  
77 License No. **40**  
Firm Name  
**9265 Brown Church Rd., Mt. Airy, Md. 21771**  
Address  
Signature: *George F. Easterday* Date: **2/5/88**



**VILLADEST DR.** NEAR WHAT ROAD  
ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX)  
  
DISTANCE FROM ROAD **85** FT  
ENTER FT or MI **FT**

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

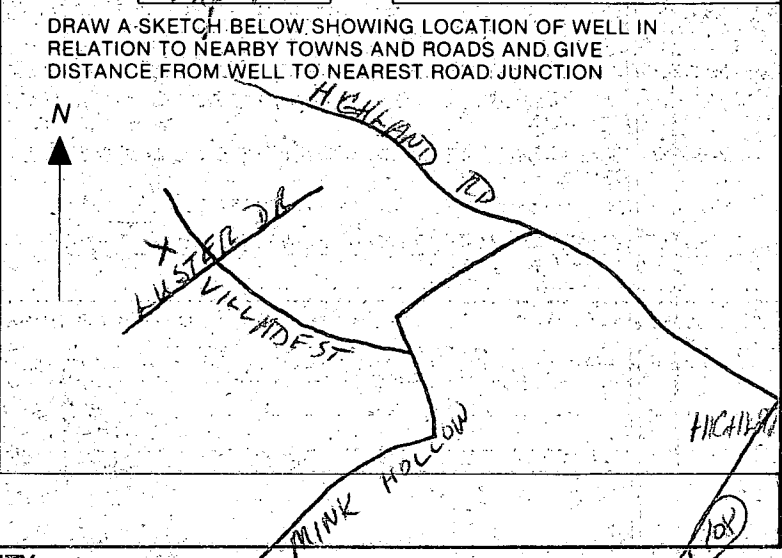
NOT TO BE FILLED IN BY DRILLER HEALTH DEPARTMENT APPROVAL  
**HOWARD** COUNTY NAME  
**A 27722** COUNTY NO.  
STATE SIGNATURE \_\_\_\_\_ INSERT S \_\_\_\_\_  
DATE ISSUED **022688**  
CO SIGNATURE *R. N. Naylor* EXP. DATE **08-26-88**  
NORTH GRID **494000** EAST GRID **0803000**

- 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)

APPROXIMATE DEPTH OF WELL **200** FEET  
APPROXIMATE DIAMETER OF WELL **6** NEAREST INCH

SHOW MAJOR FEATURES OF BOX & LOCATE WELL WITH AN X  
SOURCES OF DRILLING WATER  
1. **We 11**  
2.  
3.  
WRITE THE BOX NUMBER FROM THE MAP HERE

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) \_\_\_\_\_

Not to be filled in by driller (OEP USE ONLY)  
APPROP. PERMIT NUMBER \_\_\_\_\_  
FORCE **68** WRITE INITIALS IN BOX PERMIT No. **HO-81-2575**

SPECIAL CONDITIONS  
COUNTY



1-2-3 6  
 21-2190  
 (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 **A 27722**

DATE Received **02** DATE WELL COMPLETED **030188** Depth of Well **400** PERMIT NO. FROM "PERMIT TO DRILL WELL" **HO-81-2575**

OWNER **Miller Assoc** last name **KERWIN** first name  
 STREET OR RFD **VILLAGEST DRIVE** TOWN **HIGHLAND**  
 SUBDIVISION **GILFEA HILL MANOR** SECTION **VI** LOT **4**

**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	
TOP SOIL	0	1	
RED CLAY	1	2	
RED MICA	2	33	<input checked="" type="checkbox"/>
BR. MICA	33	45	<input checked="" type="checkbox"/>
GRAY MICA	45	400	

**GROUTING RECORD**  
 WELL HAS BEEN GROUTED (Circle Appropriate Box) **Y** **N**  
 TYPE OF GROUTING MATERIAL  
 CEMENT **CM** BENTONITE CLAY **BC**  
 NO. OF BAGS **13** NO. OF POUNDS **1300**  
 GALLONS OF WATER **65**  
 DEPTH OF GROUT SEAL (to nearest foot) from **0** ft. to **33** ft.  
 (enter 0 if from surface)

**CASING RECORD**  
 casing types insert appropriate code below  
**ST** **CO**  
 STEEL CONCRETE  
**PL** **OT**  
 PLASTIC OTHER  
 MAIN CASING TYPE **ST** Nominal diameter top (main) casing (nearest inch) **6** Total depth of main casing (nearest foot) **36**

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

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

**C 2**  
 DEPTH (nearest ft.)  
 EACH SCREEN 1 **HO** 2 **36** 3 **400**  
 SLOT SIZE 1 2 3  
 DIAMETER OF SCREEN (NEAREST INCH)

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

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, AND THAT THE INFORMATION PRESENTED HEREIN IS ACCURATE AND COMPLETE TO THE BEST OF MY KNOWLEDGE.

DRILLERS IDENT. NO. **40**  
 DRILLERS SIGNATURE **George F. Eastman**  
 SITE SUPERVISOR (sign. of driller or journeyman responsible for sitework if different from permittee) **Blair Lucha**

GRAVEL PACK from to  
 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.) 70  72  WQ 74 75 76     
 TELESCOPE CASING LOG INDICATOR OTHER DATA

**C 3**  
**PUMPING TEST**  
 HOURS PUMPED (nearest hour) **3**  
 PUMPING RATE (gal. per min. to nearest gal.) **1**  
 METHOD USED TO MEASURE PUMPING RATE **Bucket**  
 WATER LEVEL (distance from land surface) BEFORE PUMPING **9.8** WHEN PUMPING **2.08**  
 TYPE OF PUMP USED (for test) **A** air **P** piston **T** turbine **C** centrifugal **R** rotary **O** other (describe below) **J** jet **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: **29**  
 CAPACITY: GALLONS PER MINUTE (to nearest gallon) **31** **35**  
 PUMP HORSE POWER **37** **41**  
 PUMP COLUMN LENGTH (nearest ft.) **43** **47**  
 CASING HEIGHT (circle appropriate box and enter casing height) **+** above **-** below } LAND SURFACE **2** (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)  
 WELL 30'  
 30'  
 VILLAGEST DR  
 RT. LOT LINE

Page \_\_\_\_\_ of \_\_\_\_\_  
 Date \_\_\_\_\_

July  
 7/00

Review OK 8/12/88 CW

**FIELD DATA SHEET**  
**HOWARD COUNTY WELL YIELD TEST**

Well Permit No. HO - 81-2575  
 Location of property (road) Village East Drive  
 Subdivision GREEN HILL MANOR Lot 4 Block \_\_\_\_\_ Plat \_\_\_\_\_ Sec. 5  
 Well Driller GEORGE EASTMORAY Owner Miller Assoc. Kerwin

Depth of well 400 1 1/2 GPM  
 Distance of measuring point (M.P.) above ground 1 1/2'  
 Static water level (S.W.L.) below M.P. 98 ft

I. High rate pumping -- reservoir drawdown  
 Time pump started 7:36 Pumping rate 9 gpm  
 Total time 30 min to reach pumping water level 204' ft. below M.P.

II. Recovery pump test data - observations to be recorded every 15 minutes

TIME (in 15 minute intervals)	WATER LEVEL below M.P.	PUMPING RATE time to fill $\frac{1}{2}$ gallon bucket	FLOW METER READING (if used)	CALCULATED FLOW (gallons per minute)
8:00	204'	40	N/A	1.5
8:15	205'	40		1.5
8:30	205'	40	pump at 380	1.5
8:45	205'	40	R. Hanan	1.5
9:00	206'	40		1.5
9:15	206'	40		1.5
9:30	206'	40		1.5
9:45	207'	40		1.5
10:00	207'	45		1.3
10:15	207'	45		1.3
10:30	207'	45		1.3
10:45	208'	50		1.2
11:00	208'	50		1.2
11:15	208'	50		1.2
11:30	208'	50		1.2
11:45	208'	50		1.2
12:00	208'	50		1.2
12:15	208'	50		1.2
12:30	208'	50		1.2
12:45	208'	50		1.2
1:00	208'	50		1.2
1:15	208'	50		1.2
1:30	208'	50		1.2
1:45	208'	50		1.2
2:00	208'	50		1.2

6-2-89  
AM

HOWARD COUNTY HEALTH DEPARTMENT  
Bureau of Environmental Health  
3525-H Ellicott Mills Drive  
Ellicott City, MD 21043  
461-9933

APPLICATION FOR PITLESS ADAPTER, WELL PUMP AND PRESSURE TANK INSTALLATION

New Installation   
Replacement

Receipt # 42777  
Date 11/15/88

Name of Installer RA Kelly

Telephone 924-5944

License Number 10757

Certified Well Pump Installer  Well Driller  Registered Plumber

Name of Property Owner Kerwin Miller Comm.

Telephone 924-5944

Subdivision Green Hill Manor Lot # 4 Well Tag # HD-88-2575

Site Address 13531 Villed'est dr Highland, md 20777

Pump

- Type
  - Deep well jet
  - Shallow well jet
  - Submersible
- Make \_\_\_\_\_
- Model # \_\_\_\_\_
- Capacity \_\_\_\_\_ GPM
- Pump exceeds well capacity Yes  No
- If Yes, is low pressure cutoff switch installed? Yes  No
- What methods are used to protect the pump and electrical wiring from vibrations? Torque arrestors  Cable guards  Other

Motor

- Horsepower \_\_\_\_\_
- RPM \_\_\_\_\_
- Voltage \_\_\_\_\_
  - 110 \_\_\_\_\_
  - 220 \_\_\_\_\_

Pitless Adapter

- Make \_\_\_\_\_
- Model # \_\_\_\_\_
- Depth \_\_\_\_\_

Tank

- Capacity \_\_\_\_\_
- Pressure relief valve?

Piping

- Type \_\_\_\_\_
- Size \_\_\_\_\_
- NSF and/or BOCA Code approved
- Depth of supply line \_\_\_\_\_

Well data

- Depth 400 ft.
- Yield 1 1/2 GPM
- Static water level 98 ft.
- Will water supply be disinfected by installer?

Pitless Adapter ok  
@4' B.G. MR 6/2/89

I understand that it is my responsibility to notify the Howard County Health Department when the installation is ready for inspection (otherwise this permit is null and void).

All information given above is true to the best of my knowledge.

Signature of Applicant: \_\_\_\_\_

Date: 11-9-88

Note: A sticker indicating approval/status of the installation will be placed on the well casing at the time of the inspection.

