

6/23/89 PM  
6/24/89 PM

# PERMIT

SEWAGE DISPOSAL SYSTEM

MARYLAND STATE DEPARTMENT OF HEALTH

P 44489

A 27724

DISTRICT 5th

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

DATE 6/13/89

INDEXED  
05388465

DATE SYSTEM APPROVED 6/23/89

INSPECTOR M. Rifkin

Greg Ziska

IS PERMITTED TO INSTALL  ALTER

ADDRESS \_\_\_\_\_ PHONE 1-301-964-2023

SUBDIVISION Greenhill Manor, Section 5 ROAD 13515 Villa D'Est Drive OR 6

PROPERTY OWNER Kerwin Miller

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

244  
31970  
325 ft

TRENCHES - 244 sq. ft. per bedroom with garbage disposal. Trench to be 3 feet wide. Inlet 4 feet below original grade. Bottom maximum depth 6.0 feet below original grade. Effective area begins at 4 feet below original grade. 2 feet of stone below distribution pipe.

LOCATION - Place the first trench 110 feet down the right lot line and 60 feet off the same lot line as seen when facing the lot from Villa D'est Drive. Run trenches on contour toward the 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. dc/cw

PLANS APPROVED BY Sid Abel DATE 5/11/88

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

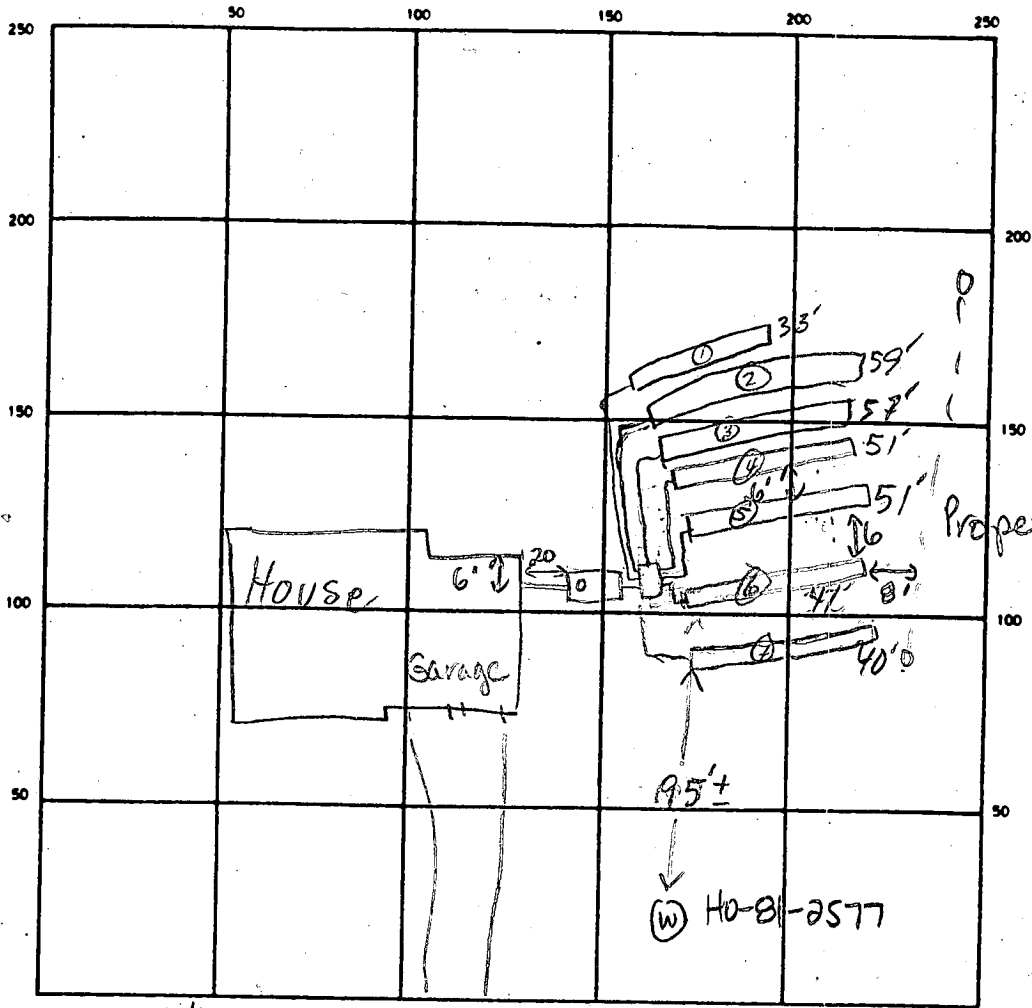
NOTE: DISTRIBUTION BOXES MUST HAVE BAFFLES

BUDG. PERMIT SIGNED  
AND RETURNED 4/16/90  
Serial # 32101-dest

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

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

A 27724



Villa d'Est Drive

Water at 9.0 ft at tank

SEPTIC TANK LEVEL 2000 gal CLEANOUTS 1 on septic tank

DISTRIBUTION BOX LEVEL OK

DRAIN FIELD TILE FIELD DEPTH 60 FT. TRENCH WIDTH 3.0 FT. INLET DEPTH 3.5-4 FT.  
 EFFECTIVE GRAVEL DEPTH 2-2 1/2 FT. TOTAL LENGTH 33 59 57 51 51 41 40 } 332

NUMBER OF TRENCHES 7 ONE SIDEWALL/BOTTOM AREA 996 SQ. FT.

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

ABSORBENT AREA — SQ. FT.

REMARKS 6-23-89 Extend trenches #2 & 3 to 50 ft. Will add larger dist box.  
Keep 95 ft off well. JEN 6/27/89 ALL WORK COMPLETE  
+ OK TO COVER MR

DATE SYSTEM APPROVED 6/27/89 INSPECTOR M. Kiffin

GREENHILL MANOR SECT 5

A 27724

SUBDIVISION: VILLA D'EST DR

LOT NUMBER: 6

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

200 sq. ft./bedroom  
244 sq ft/bedroom with  
C.D.

Trench to be 3 wide.

Inlet 4 feet below original grade.

Bottom maximum depth 6.0 feet below original grade.

Effective area begins at 4 feet below original grade.

2 feet of stone below distribution pipe.

- 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: PLACE THE FIRST TRENCH 110 FE DOWN THE RIGHT LOT LINE AND 60 FE OFF THE SAME LOT LINE AS SEEN WHEN FACING THE LOT FROM VILLA D'EST DR. RUN TRENCHES ON CONTOUR TOWARD THE RIGHT LOT LINE. 5-11-88 J. Abul

PRELIMINARY

# APPLICATION

A 27724

P \_\_\_\_\_

## SEWAGE DISPOSAL TESTING

STATE OF MARYLAND - DEPARTMENT OF HEALTH AND MENTAL HYGIENE

DISTRICT 5th

HOWARD COUNTY HEALTH DEPARTMENT  
ENVIRONMENTAL HEALTH SERVICES  
P. O. BOX 476, ELLICOTT CITY, MARYLAND 21043  
TELEPHONE: 465-5000, EXT. 356

DATE 3/30/78

SYSTEM  
FIRST  
PERFECT  
12/13/79

*Any additional tests only in wet season*

7 DRAIN FIELDS - 120 SQ FT PER BEDROOM  
MA 1 1/2 FT OF STONE 3 FT WIDE  
12 1/2 FT TO 4 1/2 FT DEEP 10 FT  
PART 8 50 FT LONG

TO: THE COUNTY HEALTH OFFICER PLACE THE DRAIN FIELDS IN  
ELLICOTT CITY, MARYLAND THE AREA BETWEEN 80 & 155 FT FROM

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

PROPERTY OWNER V. L. Vinnella AND KERWIN MILLER  
AND BETWEEN 20 FT AND 80 FT

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

PROPERTY LOCATION: FROM THE LEFT SIDE OF THE LOT AS  
SEEN WHEN FACING THE LOT FROM

SUBDIVISION Green Hill Manor VILLANEST DR LOT NO. 6, Sec. 5

ROAD AND DESCRIPTION BSIS Villa D'Est Drive USE DISTRIBUTION BOX

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 S. Abel FOR Shallow Trenches DATE 5-11-88  
(KIND OF SYSTEM)

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

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

REASONS FOR REJECTION OR HOLDING 6/26/78 Digmore & Hold for Review RT

BLDG. PERMIT SIGNED  
AND RETURNED 5-11-88

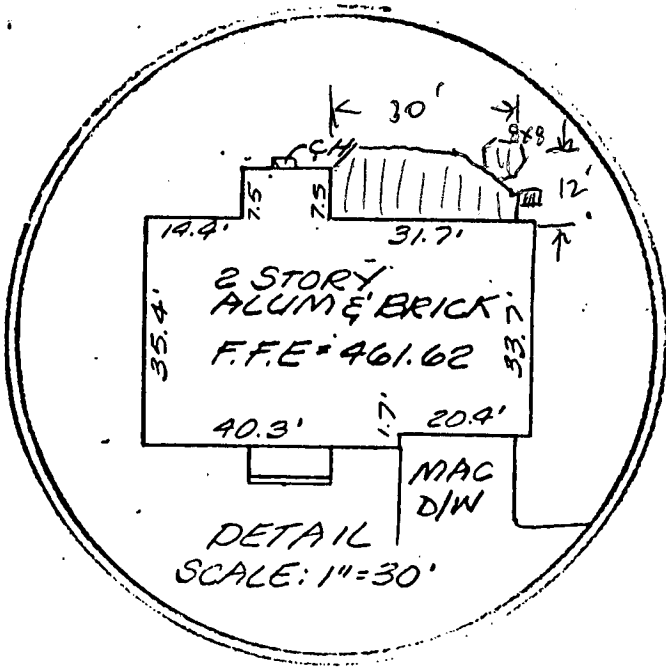
BP1837/88

# THIS IS NOT A PERMIT



Green Hill Manor SECTS  
LOT 6 VILLAGE DR

4/17/78	7/2 M	1247	100	100	110	10
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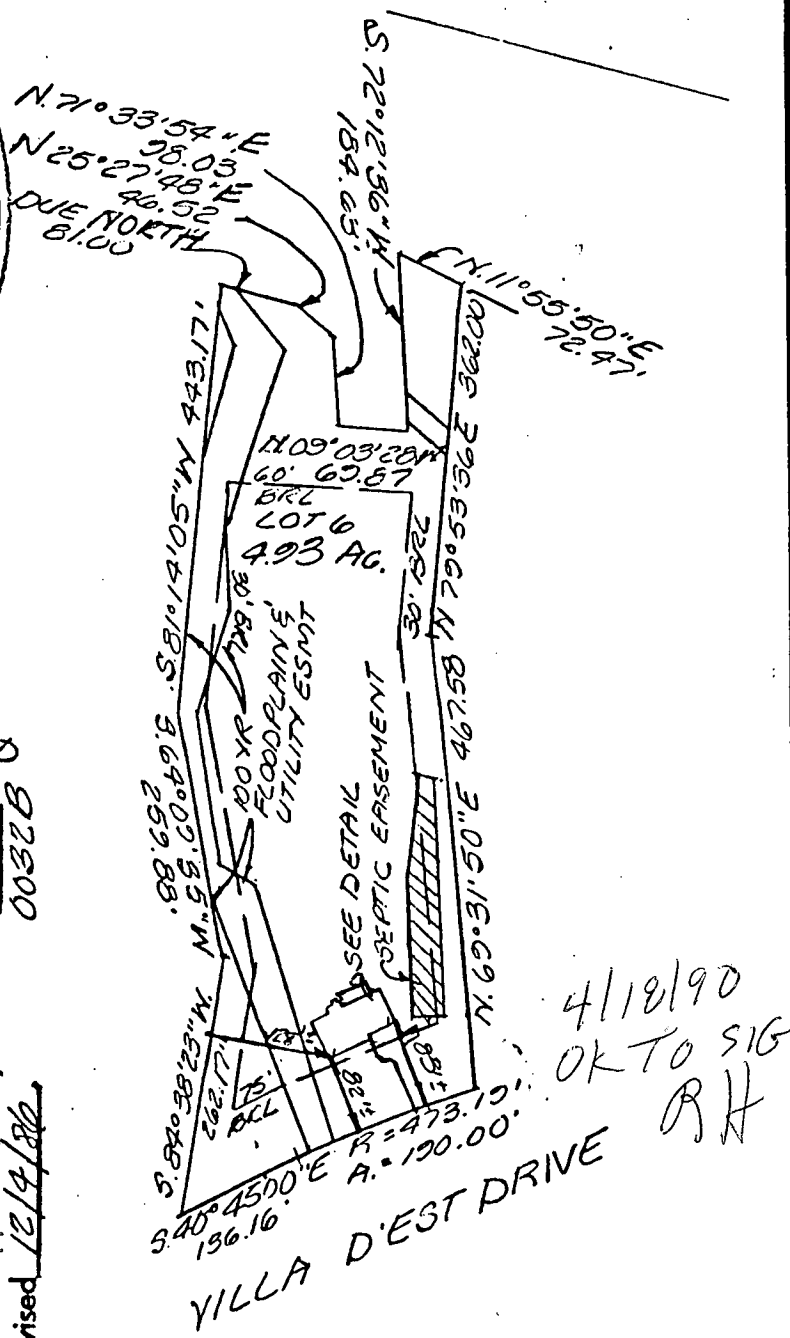
LOCATION OF HOUSE  
 "GREEN HILL MANOR"  
 LOT 6 SECTION 5  
 YILLA D'EST DRIVE  
 HOWARD COUNTY, MARYLAND

WALL CHK: 4.4.89  
 FINAL: 8.24.89



**FLOOD PLAIN CERTIFICATION**

I hereby certify that, to the best of my knowledge, information and belief, the property shown hereon lies within Zone C (areas of minimal flooding) as shown on the F.E.M.A. Flood Insurance Rate Map, Community-Panel No. ~~2900A~~ 0032B revised 12/4/86.



**SURVEYOR'S CERTIFICATE**

I hereby certify that the position of all existing improvements on the above described property have been carefully established by accepted field practices and that unless otherwise shown, there are no encroachments.

David S. Weber 4/10/88

**GLW GUTSCHICK LITTLE & WEBER, P.A.**

ENGINEERS, PLANNERS, SURVEYORS  
 3909 NATIONAL DRIVE · SUITE 250 · BURTONSVILLE OFFICE PARK  
 BURTONSVILLE, MD. 20866  
 TEL. (301) 421-4024

REFERENCE: PLAT BOOK _____	PLAT NO. <u>4538</u>
DRAWN BY: <u>Ch</u>	DATE: <u>4.6.89</u>
CHECKED BY: <u>DES/DES</u>	SCALE: <u>1"=200'</u>
G.L.W. FILE NO. <u>87-093</u>	

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.

INV. ELEV. (OUT OF) HOUSE 465.76  
 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

LOT # 6

INV. ELEV. (OUT OF) HOUSE 464.46 ✓ - BSMT  
 INV. ELEV. (INTO) SEPTIC TANK 464.26 ✓  
 EXIST. ELEV. @ SEPTIC TANK 462.00 ✓  
 INV. ELEV. (OUT OF) SEPTIC TANK 463.23 ✓  
 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.

MASTER PLAN  
IN Files

100 YEAR FLOOD PLAIN  
 DEDICATED TO THE HOWARD COUNTY  
 DEPARTMENT OF RECREATION  
 AND PARKS  
 19426  
 ONE NORTH 81.00'

Elevations of SH

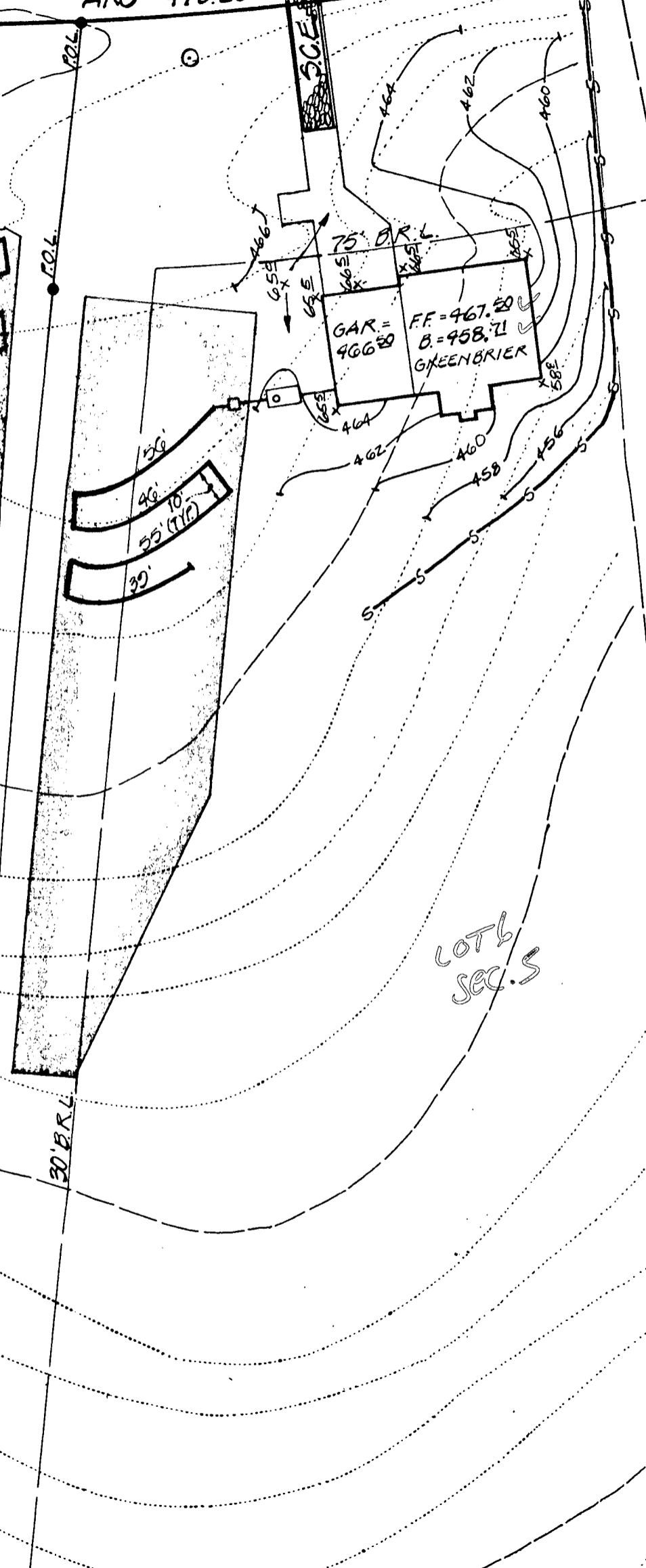
Bldg. Permit Signed  
AND RETURNED 5-11-88

BP18371  
SAB

ARC = 473.20'

EX. 15"  
R.C.P.

EX. 29"  
R.C.P.



LOT 6,  
SEC. 5

30' B.R.L.

30' B.R.L.

B 1 **6749** SEQUENCE NO. (DP USE ONLY)  
 (THIS NUMBER IS TO BE PUNCHED IN COLS. 3-6 ON ALL CARDS)

STATE OF MARYLAND *200*  
 PERMIT TO DRILL WELL  
 please print or type

STATE PERMIT NUMBER  
**HO-81-2577**  
 fill in this form completely

Date Received (APA) *3/1/88*  
**040588**  
 OWNER INFORMATION  
**KERWIN MILLER COMM**  
**4229 CHERRY VALLEY D**  
**OLNEY** **MD20832**

B 3 LOCATION OF WELL *30-17*  
**HOWARD** COUNTY  
**GREEN HILL MANOR** SUBDIVISION  
 SECTION **5** LOT **6**  
**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.**  
 Firm Name **9265 Brown Church Rd., Mt. Airy, Md. 21771**  
 Address **George F. Easterday**  
 Signature Date

B 4 DIRECTION OF WELL FROM TOWN (CIRCLE BOX)  
  
 ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX)  
  
 DISTANCE FROM ROAD **100** FT  
 ENTER FT or MI **FT**

**VILLADEST DR** NEAR WHAT ROAD  
 COUNTY NAME **HOWARD** COUNTY NO. **A27724**  
 STATE SIGNATURE \_\_\_\_\_ INSERT S \_\_\_\_\_  
 DATE ISSUED **022688** CO SIGNATURE **B. Nixon** EXP. DATE **08-26-88**  
 NORTH GRID **493000** EAST GRID **0803000**

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  
 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

APPROXIMATE DEPTH OF WELL **200** FEET

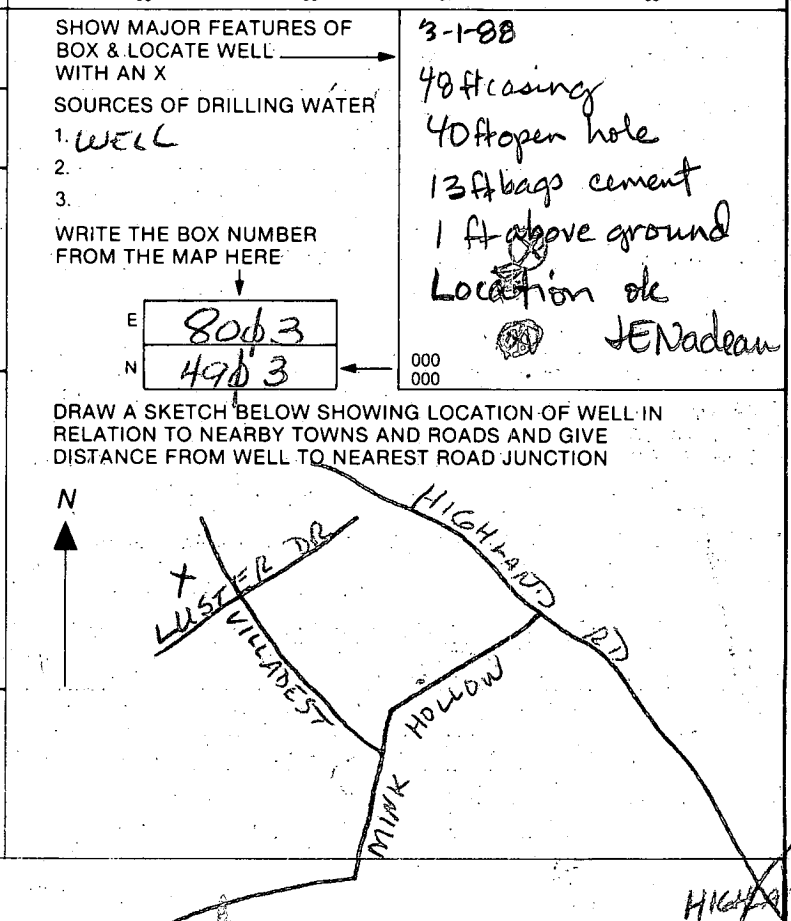
APPROXIMATE DIAMETER OF WELL **6** INCH

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

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 \_\_\_\_\_ G A P \_\_\_\_\_  
 FORCE **AD** WRITE INITIALS IN BOX PERMIT NO. **HO-81-2577**

SPECIAL CONDITIONS





**C 1** 2192  
 1 2 3 6  
 (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 27724

DATE Received . . . . . DATE WELL COMPLETED 030188 Depth of Well 300 PERMIT NO. FROM "PERMIT TO DRILL WELL" 40-01-2577  
 8 13 15 20 22 26 28 29 30 31 32 33 34 35 36 37  
 (TO NEAREST FOOT)

OWNER MILLER ASSOC. KERRIN  
 STREET OR RFD last name VillaDest Drive first name TOWN Highland  
 SUBDIVISION GREEN HILL MOORE SECTION 5 LOT 6

**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	
Topsoil	0	2	
Br. Mica	2	46	<input checked="" type="checkbox"/>
Tan Mica	46	56	<input checked="" type="checkbox"/>
Gray Mica	56	75'	
Tan Mica	75'	78	
Gray Mica	78	300	

**GROUTING RECORD**  
 WELL HAS BEEN GROUTED (Circle Appropriate Box)  Y  N  
 TYPE OF GROUTING MATERIAL  
 CEMENT  CM BENTONITE CLAY  BC  
 NO. OF BAGS 73 NO. OF POUNDS 1300  
 GALLONS OF WATER 405  
 DEPTH OF GROUT SEAL (to nearest foot)  
 from 0 ft. to 40 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) 40  
 60  61  63  64  66  67  68  69  70

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

**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 40 46 300  
 2  
 3  
 SLOT SIZE 1 2 3  
 DIAMETER OF SCREEN (NEAREST INCH) 56 60

**C 3**  
**PUMPING TEST**  
 HOURS PUMPED (nearest hour) 6  
 PUMPING RATE (gal. per min. to nearest gal.) 3  
 METHOD USED TO MEASURE PUMPING RATE Bucket  
 WATER LEVEL (distance from land surface)  
 BEFORE PUMPING 22  
 WHEN PUMPING 71  
 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 } LAND SURFACE (nearest foot)  
 - below }

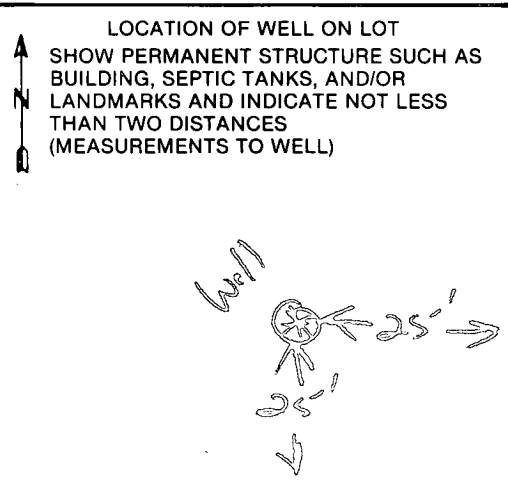
CIRCLE APPROPRIATE LETTER  
 A A WELL WAS ABANDONED AND SEALED WHEN THIS WELL WAS COMPLETED  
 E ELECTRIC LOG OBTAINED  
 P TEST WELL CONVERTED TO PRODUCTION WELL

I HEREBY CERTIFY THAT THIS WELL HAS BEEN CONSTRUCTED IN ACCORDANCE WITH COMAR 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 (MUST MATCH SIGNATURE ON APPLICATION)  
 SITE SUPERVISOR (sign. of driller or journeyman responsible for stetwork if different from permittee)

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.) W Q  
 70  72  74  75  76   
 TELESCOPE CASING LOG INDICATOR OTHER DATA



VillaDest Dr.

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

2 June  
 7:00

Review OK SA 5-11-88

FIELD DATA SHEET  
 HOWARD COUNTY WELL YIELD TEST

Well Permit No. HO - 81-2577  
 Location of property (road) Villagecrest Drive  
 Subdivision Green Hill Manor Lot 6 Block \_\_\_\_\_ Plat \_\_\_\_\_ Sec. 5  
 Well Driller George EASTCROFT Owner Miller Assoc. KERWIN

Depth of well 300 3GPM  
 Distance of measuring point (M.P.) above ground \_\_\_\_\_  
 Static water level (S.W.L.) below M.P. 22 2

I. High rate pumping -- reservoir drawdown

Time pump started 7:00 Pumping rate 20 GPM  
 Total time 15 to reach pumping water level 90 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 #1 gallon bucket	FLOW METER READING (if used)	CALCULATED FLOW (gallons per minute)
7:15	71 ft	19 sec	Pump at 160'	3
7:30	71	19		3
7:45	72	19		3
8:00	72	19		3
8:15	72	19	Jim Thompson	3
8:30	73	19		3
8:45	73	19		3
9:00	73	20		3
9:15	73	19		3
9:30	72	19		3
9:45	72	19		3
10:00	52	19		3
10:15	51	18		3
10:30	50	18		3
10:45	50	18		3
11:00	49	19		3
11:15	49	19		3
11:30	49	19		3
11:45	51	19		3
12:00	51	19		3
12:15	52	19		3
12:30	52	19		3
12:45	52	19		3
1:00	52	19		3

6/13/89

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 # 41751  
Date 5/17/88

Name of Installer RA Kelly

Telephone 924-5944

License Number \_\_\_\_\_  
Certified Well Pump Installer  Well Driller  Registered Plumber

Name of Property Owner Kerwin-Miller Comm. Telephone 924-5944  
Subdivision Green Hill Manor Lot # 6 Well Tag # 110-81-2577  
Site Address 13515 Villadest Dr Highland Md 20777

<b>Pump</b>	<b>Motor</b>	<b>Pitless Adapter</b>
1. Type	1. Horsepower _____	1. Make _____
a. Deep well jet _____	2. RPM _____	2. Model # _____
b. Shallow well jet _____	3. Voltage _____	3. Depth _____
c. Submersible _____	a. 110 _____	
2. Make _____	b. 220 _____	
3. Model # _____		
4. Capacity _____ GPM		
5. Pump exceeds well capacity Yes _____ No _____		
6. If Yes, is low pressure cutoff switch installed? Yes _____ No _____		
7. What methods are used to protect the pump and electrical wiring from vibrations? Torque arrestors _____ Cable guards _____ Other _____		

<b>Tank</b>	<b>Piping</b>	<b>Well data</b>
1. Capacity _____	1. Type _____	1. Depth <u>300</u> ft.
2. Pressure relief valve? _____	2. Size _____	2. Yield <u>3</u> GPM
	3. NSF and/or BOCA Code approved _____	3. Static water level <u>22</u> ft.
	4. Depth of supply line _____	4. Will water supply be disinfected by installer? _____

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: \_\_\_\_\_

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

6/13/89 HD-215 OIL TO COVER OUTSIDE WARE  
RU

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

2 June  
 7:00

Review OK SA 5-11-88

FIELD DATA SHEET  
 HOWARD COUNTY WELL YIELD TEST

Well Permit No. HO - 81-2577  
 Location of property (road) VILLAGE DRIVE  
 Subdivision Green Hill MANOR Lot 6 Block \_\_\_\_\_ Plat \_\_\_\_\_ Sec. 5  
 Well Driller George EASTRDAY Owner MILLER ASSOC. KERWIN

Depth of well 300 3GPM  
 Distance of measuring point (M.P.) above ground \_\_\_\_\_  
 Static water level (S.W.L.) below M.P. 22 2

I. High rate pumping -- reservoir drawdown

Time pump started 7:00 Pumping rate 20 GPM  
 Total time 15 to reach pumping water level 90 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 #1 gallon bucket	FLOW METER READING (if used)	CALCULATED FLOW (gallons per minute)
7:15	71 ft	19 sec	Pump at 160'	3
7:30	71	19		3
7:45	72	19		3
8:00	72	19		3
8:15	72	19	Jim Thompson	3
8:30	73	19		3
8:45	73	19		3
9:00	73	20		3
9:15	73	19		3
9:30	72	19		3
9:45	72	19		3
10:00	52	19		3
10:15	51	18		3
10:30	50	18		3
10:45	50	18		3
11:00	49	19		3
11:15	49	19		3
11:30	49	19		3
11:45	51	19		3
12:00	51	19		3
12:15	52	19		3
12:30	52	19		3
12:45	52	19		3
1:00	52	19		3