

10/28/77
if possible
11/2/77

PERMIT

SEWAGE DISPOSAL SYSTEM

P 27121

A 23532

MARYLAND STATE DEPARTMENT OF HEALTH

HOWARD COUNTY

01164376

ELLICOTT CITY

DISTRICT 1st

DATE 10/27/77

INDEXED

James Keatts & Bros.

IS PERMITTED TO INSTALL ALTER

ADDRESS 5819 Washington Blvd., Elkridge, Md.

PHONE

A SEWAGE DISPOSAL SYSTEM LOCATED AT

SUBDIVISION ROAD ⁴⁹⁴⁹ Landing Road LOT Lot 2

PROPERTY OWNER Wayne Pfau

ADDRESS Ellicott City, Md.

SPECIFICATIONS 2 bedrooms

DRAIN FIELD DEPTH FEET, BOTTOM AREA SQ. FT.

SEEPAGE PITS ABSORBENT SIDE-WALL AREA SQ. FT.

SEPTIC TANK CAPACITY 1000 GALLONS

FOR GARBAGE GRINDER, INCREASE DISPOSAL AREA 22% & TANK CAPACITY 50%.

OTHER DRY WELL-360 sq. ft. sidewall area below top 7 ft. of clay with a maximum depth of 13 ft. and a ditch off the dry well with 300 sq. ft. sidewall area one side ditch will be 13 ft. deep with 6 ft. of stone and 50 ft. long. The dry well will be near perc hole 2. The ditch will run towards perc hole 3. Location: Dry Well is to be placed 381 ft. from the lot line which is 883.60 ft. long and 145 ft. from a pipe which marks the intersection of the 480.00 tft. lot line and the 360.00 ft. long lot line. The trench off the dry well must follow the contour of the ground.

NOTE: ALL PIPE FROM HOUSE TO DISPOSAL AREA MUST BE CAST IRON. PERMIT VOID AFTER 3 YEARS.

NOTE: INSTALL STAND PIPES ON SEPTIC TANK AND DRY WELL. STAND PIPES MUST BE 6 INCHES IN DIAMETER. CAST IRON, CONCRETE OR TERRA COTTA ACCEPTED.

PLANS APPROVED BY DATE

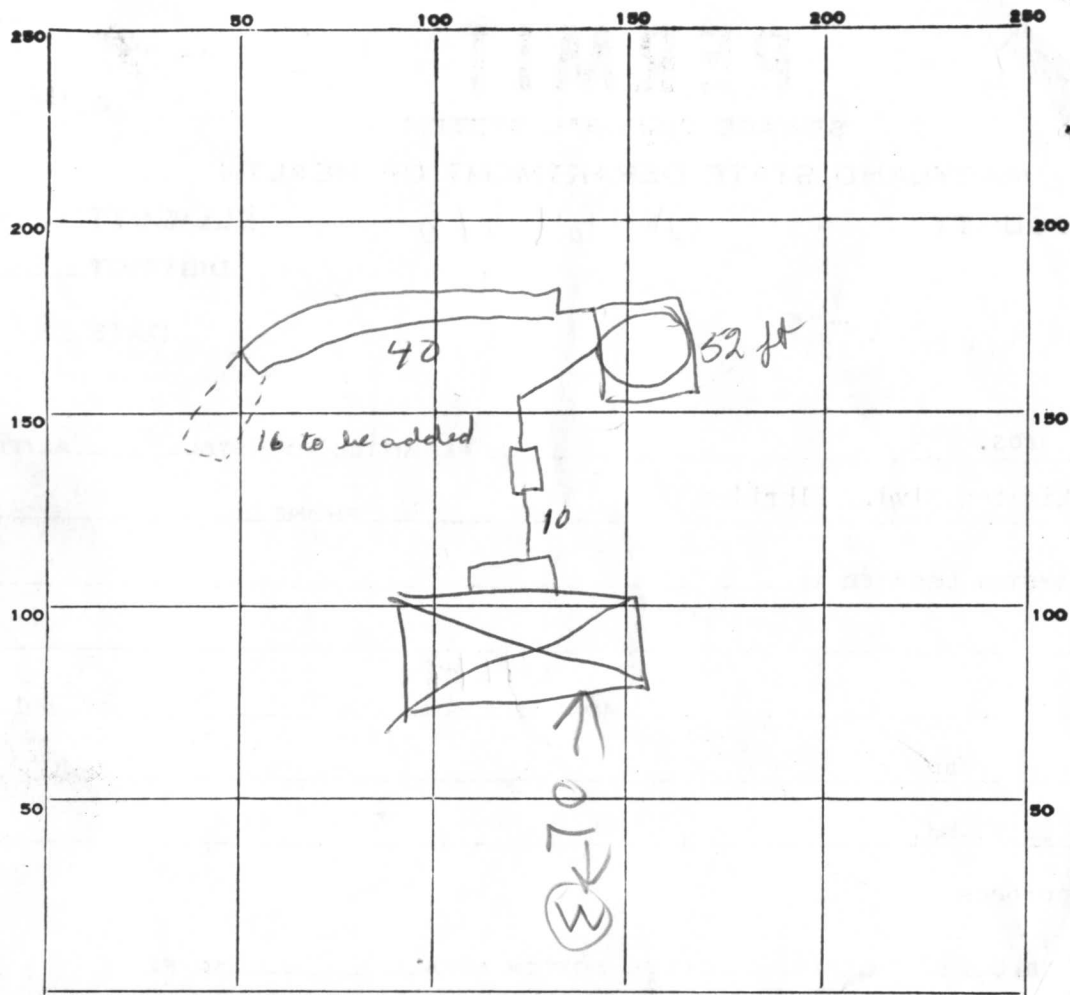
Raymond Hodges

10/19/76

FILL SEPTIC TANK AND DISTRIBUTION BOX WITH WATER BEFORE CALLING FOR AN INSPECTION. COVER NO WORK UNTIL INSPECTED AND APPROVED.

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

A 23532



INDICATE NORTH. - NAME ADJOINING ROADWAY AS BASE LINE.

40
6
240

26
28
54
6
324

16
6
40

PERMIT CARD

SEPTIC TANK, LEVEL

CLEANOUTS DW ST

DISTRIBUTION BOX, LEVEL NA

TILE FIELD, DEPTH 13+ FT. TRENCH WIDTH 2 FT.

GRAVEL DEPTH 6 FT IN. TOTAL LENGTH 60 FT. 56 ^{16 to be added}

NUMBER OF TRENCHES 1 TOTAL BOTTOM AREA 336

SEEPAGE PITS, INSIDE DIAMETER 54 FT. DEPTH BELOW INLET 6 FT.

ABSORBENT AREA 324 SQ. FT.

REMARKS Gravel first 35' of trench add 16 for a total 56 ft of trench DIC to cover 37 and ditch to DW OK to gravel whole trench for a total of 60 RPOB

11/2/77 650 sqft Total Sidewall area DW & Ditch

DATE SYSTEM APPROVED 11/2/77

INSPECTOR Raymond Hodge

C 1 **4021** SEQUENCE NO. (WRA USE ONLY)

1 2 3 (SEQ. NO.) 6
 (THIS NUMBER IS TO BE PUNCHED IN COLUMNS 3-6 ON ALL CARDS)

**STATE OF MARYLAND
 WATER RESOURCES ADMINISTRATION
 TAWES STATE OFFICE BLDG., ANNAPOLIS, MD. 21401
 WELL COMPLETION REPORT**

THIS REPORT MUST BE SUBMITTED WITHIN 30 DAYS AFTER WELL COMPLETION

FILL IN THIS FORM COMPLETELY

COUNTY NUMBER

DATE RECEIVED (WRA USE ONLY) 5/2/77 DEPTH OF WELL 200 PERMIT NO. FROM "PERMIT TO DRILL WELL" HD-77-11738

DATE WELL COMPLETED 5/2/77 22 (TO NEAREST FOOT) 26

8-13 15 20 DRILLERS IDENTIFICATION NO. 209

OWNER PFAU LAST NAME WYNE FIRST NAME Ellicott City, Md. 21038

STREET OR RFD 336 Normandy Woods POST OFFICE

WELL DESCRIPTION

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

DESCRIPTION (USE ADDITIONAL SHEETS IF NECESSARY)	FEET		CHECK IF WATER BEARING
	FROM	TO	
Clay	0	29	
Weathered Gabbro rock	29	200	X

GROUTING RECORD

WELL HAS BEEN GROUTED (CIRCLE APPROPRIATE BOX) YES NO

TYPE OF GROUTING MATERIAL (CIRCLE BOX):
 CEMENT C M BENTONITE CLAY B C

NO. OF BAGS 12 NO. OF POUNDS 1150

GALLONS OF WATER 96

DEPTH OF GROUT SEAL (TO NEAREST FOOT)
 FROM 0 FT. TO 29 FT.
 (ENTER 0 IF FROM SURFACE)

CASING RECORD

CASING TYPES: S T STEEL C O CONCRETE
 P L PLASTIC O T OTHER

MAIN CASING TYPE S T
 NOMINAL DIAMETER TOP (MAIN) CASING (NEAREST INCH) 6
 TOTAL DEPTH OF MAIN CASING (NEAREST FOOT) 29

OTHER CASING (IF USED)
 DIAMETER (INCH) _____ DEPTH (FEET) FROM _____ TO _____

SCREEN RECORD

SCREEN TYPE OR OPEN HOLE: S T STEEL B R BRASS OR BRONZE H O OPEN HOLE
 P L PLASTIC O T OTHER

DEPTH (NEAREST WHOLE FOOT) FROM TO

1	2	3	4	5	6
<u>H O</u>					
8	9	11	15	17	21
23	24	26	30	32	36
38	39	41	45	47	51

SLOT SIZE 1, _____ 2, _____ 3, _____

DIAMETER OF SCREEN 56 60 (NEAREST INCH)
 FROM _____ TO _____

GRAVEL PACK _____
 IF WELL DRILLED WAS A FLOWING WELL CIRCLE BOX F

WRA USE ONLY (NOT TO BE FILLED IN BY DRILLER) (E.R.O.S.)

T W Q

70 72 74 75 76

TELESCOPE CASING LOG INDICATOR OTHER DATA AVAILABLE

PUMPING TEST

HOURS PUMPED (TO NEAREST HOUR) 6

PUMPING RATE (GALLONS PER MINUTE TO NEAREST GALLON) 4

METHOD USED TO MEASURE PUMPING RATE TIME

WATER LEVEL: (DISTANCE FROM LAND SURFACE)
 BEFORE PUMPING 35 (NEAREST FOOT)
 WHEN PUMPING 150 (NEAREST FOOT)

TYPE OF PUMPED USED (CIRCLE APPROPRIATE BOX) (FOR PUMPING TEST)
 A AIR P PISTON T TURBINE
 C CENTRIFUGAL R ROTARY O OTHER (DESCRIBE BELOW)
 J JET S SUBMERSIBLE

PUMP INSTALLED

TYPE OF PUMP (WRITE APPROPRIATE LETTER IN BOX - SEE ABOVE: A, C, J, P, R, S, T, O) 29

DRILLER WILL INSTALL PUMP (CIRCLE APPROPRIATE BOX) YES NO

CAPACITY:
 GALLONS PER MINUTE (TO NEAREST GALLON) 31 35
 PUMP HORSE POWER 37 41
 PUMP COLUMN LENGTH (NEAREST FOOT) 43 47

CASING HEIGHT (CIRCLE APPROPRIATE BOX AND ENTER CASING HEIGHT)
 + ABOVE } LAND SURFACE (NEAREST FOOT)
 - BELOW } 49 50 51

LOCATION OF WELL ON LOT

SHOW PERMANENT STRUCTURE SUCH AS BUILDINGS, SEPTIC TANKS, AND/OR OTHER LAND MARKS AND INDICATE NOT LESS THAN TWO DISTANCES (MEASUREMENTS TO WELL).

CIRCLE APPROPRIATE BOXES

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 I HAVE COMPLIED WITH ALL CONDITIONS STATED ON THE ABOVE-CAPTIONED "PERMIT TO DRILL WELL", AND THAT INFORMATION CONTAINED IN THIS REPORT IS TRUE, ACCURATE, AND COMPLETE TO THE BEST OF MY KNOWLEDGE, INFORMATION AND BELIEF.

DRILLERS NAME Howard Dillon

(PLEASE PRINT) Howard Dillon

SIGNATURE Howard Dillon

RECEIVED
HOWARD COUNTY
HEALTH DEPT.

MAY 4 9 20 AM '71

DIVISION OF
ENVIRONMENTAL
HEALTH

B 1 9643 SEQUENCE NO. (WRA USE ONLY)

STATE OF MARYLAND
WATER RESOURCES ADMINISTRATION
TAWES STATE OFFICE BLDG., ANNAPOLIS, MARYLAND 21401
APPLICATION FOR PERMIT TO DRILL WELL

WRA PERMIT NUMBER
 HO-73-1982

FILL IN THIS FORM COMPLETELY

DATE RECEIVED (WRA USE ONLY)
 5/1/77
 2.00 P.M.

OWNER
 COL 15 LAST NAME: PFAU
 FIRST NAME: WAYNE COL. 34

STREET OR RFD
 COL 36: 3236 NORMANDY WOODS COL. 55

POST OFFICE
 COL 57: ELLICOTT CITY 21043 COL. 76

B 1 CONTINUED **DRILLER INFORMATION**

1 2 3 (SEQ. NO.) 6

DATE 3/28/77 **LICENSE NUMBER** 209
 77 80

FIRST NAME HOWARD **DRILLER** **LAST NAME** DILLON

SIGNATURE Howard Dillon

B 3 **LOCATION OF WELL**

1 2 3 (SEQ. NO.) 6

COUNTY HOWARD (DO NOT ABBREVIATE COUNTY NAME) 21

SUBDIVISION 23 42

SECTION 44 46 **LOT** 29 ACRES 48 50

NEAREST TOWN ILCHESTER 52 71

MILES FROM TOWN (ENTER 0 IF IN TOWN) 3 73 76 77 78

B 2 **WELL INFORMATION**

1 2 3 (SEQ. NO.) 6

MAXIMUM PUMPING RATE (GALLONS PER MINUTE) 8 12

AVERAGE DAILY QUANTITY NEEDED (GALLONS PER DAY) 14 20

USE FOR WATER (CIRCLE APPROPRIATE BOX)

D HOME (SINGLE OR DOUBLE HOUSEHOLD UNIT ONLY)

F FARMING, AGRICULTURE, IRRIGATION

I INDUSTRIAL, COMMERCIAL, STATE AND FEDERAL GOVERNMENT.

M MUNICIPAL WATER SUPPLY

P PRIVATE WATER COMPANY } MUST HAVE STATE HEALTH DEPT. APPROVAL

T TEST

B 4 **DIRECTION FROM TOWN (CIRCLE APPROPRIATE BOX)**

1 2 3 (SEQ. NO.) 6

N NORTH **E** EAST **NE** NORTHEAST **SE** SOUTHEAST

S SOUTH **W** WEST **NW** NORTHWEST **SW** SOUTHWEST

NEAR WHAT ROAD 4949 LANDING RD 8 11 30

ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX) **N** **S** **E** **W** 32 32 32 32

DISTANCE FROM ROAD (ENTER DISTANCE AND CIRCLE APPROPRIATE BOX) 200 34 37 38 39

APPROXIMATE DEPTH OF WELL 24 28 FEET

APPROXIMATE DIAMETER OF WELL 6 (NEAREST INCH)

METHOD OF DRILLING USED (CIRCLE APPROPRIATE METHOD)

BORED (OR AUGERED) **JETTED** **DRIVEN**

30-37 **AIR-ROTARY** **AIR-PERCUSSION** **ROTARY** (HYDRAULIC ROTARY)

CABLE **REVERSE-ROTARY** **DRIVE-POINT**

OTHER (DESCRIBE)

REPLACEMENT OR DEEPEINED WELLS (CIRCLE APPROPRIATE BOX)

N THIS WELL WILL NOT REPLACE AN EXISTING WELL

Y THIS WELL WILL REPLACE A WELL THAT WILL BE ABANDONED AND SEALED

S THIS WELL WILL REPLACE A WELL THAT WILL BE USED AS A STANDBY

D 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 (WRA USE ONLY)

APPROPRIATION PERMIT NUMBER 54 **ENGINEER REVIEW DISTRICT NO.** 63 65

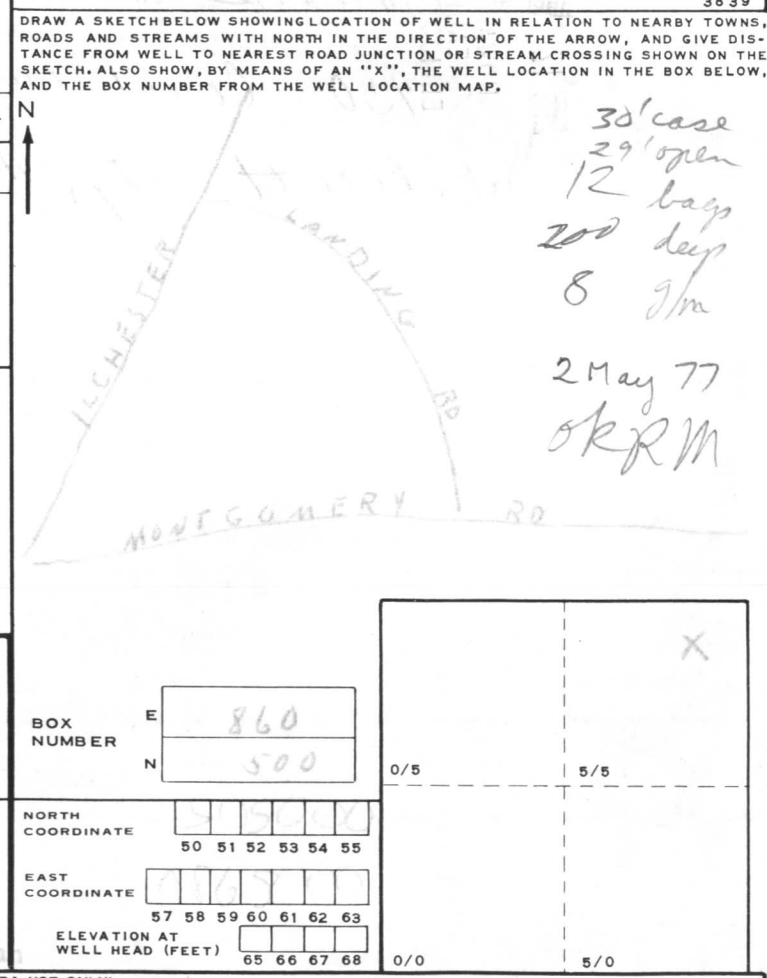
FORCE **WRITE INITIALS IN BOX** **CONDITIONS** A E N S G W Q C L U 70 71 72 73 74 75 76 77 78 79

B 4 CONTINUED **HEALTH DEPARTMENT APPROVAL**

1 2 3 (SEQ. NO.) 6

STATE HEALTH (CIRCLE BOX) **HOWARD** COUNTY NAME **W25514** COUNTY NO.

DATE 5 30 77 **APPROVED BY** Donald W. Monaghan, Sanitarian



B 5 SPECIAL CONDITIONS 8-63 (WRA USE ONLY)

1 2 3 (SEQ. NO.) 6

461-2188

7-150-

HEALTH

RECEIVED

APR 12 4 57 PM '77

HOWARD COUNTY
HEALTH DEPT.
ELLICOTT CITY, MD.

Fill out in triplicate.
Make \$30.00 check payable:
Howard County Health Dept. - Sanitation

APPLICATION

page 1
A 23532

Preliminary RECORDED MRS PFAU SAID
SEWAGE DISPOSAL TESTING

P _____

8/3/76
9:30 A.M.

STATE OF MARYLAND - DEPARTMENT OF HEALTH AND MENTAL HYGIENE

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

1000 Gal Tank
130# B.E.

DISTRICT 1
DATE 7/7/76

10/18/76 2 P.M. Dated 770, Folio 460 - 6/9/76
DRYWELL - 360 SQ FT SIDEWALL
AREA BELOW TOP 7 FT OF CLAY
WITH A MAXIMUM DEPTH OF 13 FT AND
A DITCH OFF THE DRYWELL WITH 300 SQ FT
SIDEWALL AREA ONE SIDE DITCH WILL BE 13 FT DEEP
WITH 6 FT OF STONE AND 50 FT LONG

TO: THE COUNTY HEALTH OFFICER
ELLICOTT CITY, MARYLAND

THE DRYWELL WILL BE NEAR PERC HOLE
THE DITCH WILL RUN TOWARD
PERC HOLE (3) LOCATION WILL

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

PROPERTY OWNER WAYNE D. SANDRAN PFAU BE WRITTEN AFTER

ADDRESS 3236 NORMANDY WOODS DRIVE 21043 PHONE 461 2188
SEPTIC PLANS SUBMITTED

PROPERTY LOCATION: 41477 - TALKED TO BUILDER OK TO PUT
SUBDIVISION DW AT PERC HOLE LOT NO. (2) IF

ROAD AND DESCRIPTION directions FROM MONTGOMERY RD. TAKE ILCHESTER RD. TO LANDING RD.

TAKE FIRST DIRT ROAD ON RIGHT AFTER LANDING ROAD See Page 2

SIZE OF LOT 28.97 ACRES TYPE BLDG. 43
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 Wayne D. Pfau BLDG. PERMIT SIGNED
AND RETURNED 5/11/77
Serial No 31237

APPROVED BY Raymond Hodges FOR Raynell DATE 10/11/76
(KIND OF SYSTEM)

REJECTED BY _____ FOR P. Welch DATE _____
(KIND OF SYSTEM)

HOLD PENDING FURTHER TESTS _____ DATE _____

REASONS FOR REJECTION OR HOLDING 8/3/76 Perc OK Engineer
must certify Hole Location Thick woods on lot R.H.

THIS IS NOT A PERMIT

INDICATE NORTH. - NAME ADJOINING ROADWAY AS BASE LINE.

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
8/3/76	3M	7	147	200	200	218	18
	2M	7	159	203	203	225	22
	4ED	14	TOP 6 FT CLAYISH		DRY		
			BOT 8 FT SANDY				
	3ED	13	TOP 7 FT CLAYISH		DRY		
			BOT 6 FT SANDY				
	2ED	13½	TOP 7 FT CLAYISH		DRY		
			BOT 6 FT SANDY				

REMARKS _____

TYPE OF SOIL _____

TESTED BY _____ ALSO PRESENT: _____

APPLICATION

Page 2

A 23532

SEWAGE DISPOSAL TESTING

P _____

STATE OF MARYLAND - DEPARTMENT OF HEALTH AND MENTAL HYGIENE

HOWARD COUNTY HEALTH DEPARTMENT
ENVIRONMENTAL HEALTH SERVICES

DISTRICT 1

P. O. BOX 476, ELLICOTT CITY, MARYLAND 21043
TELEPHONE: 465-5000, EXT. 356

DATE 7/7/76

4/13/76 PLANS SUBMITTED - DRY WELL IS TO BE PLACED 381 FT FROM THE LOT LINE WHICH IS 883.60 ft long and 1145 FT FROM A PIPE WHICH MARKS THE INTERSECTION OF THE 480.00 FT LOT LINE AND THE 300.00 FT LONG LOT LINE. THE TRENCH OF THE DRYWELL MUST FOLLOW THE CONTOUR OF THE GROUND.

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 WAYNE D & SANDRA N. PFAU

ADDRESS 3236 NORMANDY WOODS DR. 21043 PHONE 461 2188

PROPERTY LOCATION:

SUBDIVISION _____ LOT NO. _____

ROAD AND DESCRIPTION FROM MONTGOMERY ROAD TAKE ILCHESTER ROAD TO LANDING ROAD TAKE FIRST DIRT ROAD ON RIGHT AFTER LANDING ROAD

SIZE OF LOT 28.97 ACRES TYPE BLDG. 4
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 Wayne D. Pfau

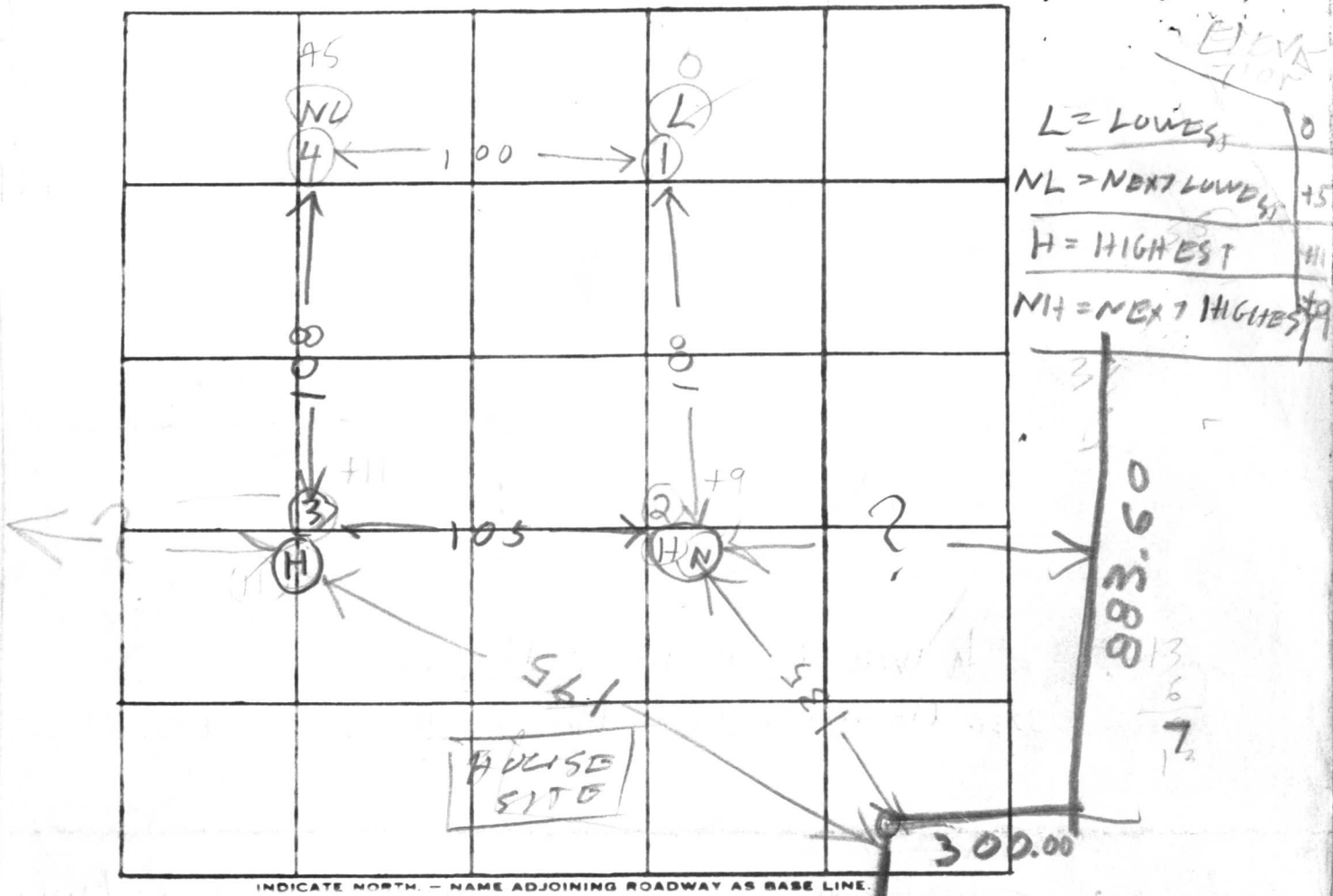
APPROVED BY _____ FOR _____ DATE _____
(KIND OF SYSTEM)

REJECTED BY _____ FOR _____ DATE _____
(KIND OF SYSTEM)

HOLD PENDING FURTHER TESTS _____ DATE _____

REASONS FOR REJECTION OR HOLDING _____

THIS IS NOT A PERMIT



DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
8/3/76	1D	13	1036	1038	1038	1042	4
	1S	5 1/2	1038	1118	LITTLE PERC FAILED		
	2S	5 1/2	1047	1119	1119	1125	
	2D	12	1102	1111	1111	1132	21
	3S	5	1110	1145	LITTLE PERC FAILED		
	3D	11 1/2	1148	1150	1150	1155	5
	4S	5 1/2	1124	1207	LITTLE PERC FAILED		
	1M	7	1138	1146	1146	1151	5
	4D	12	1207	1211	1211	1217	6
9/3/76	4M	7	145	149	149	152	5

REMARKS WOODED LOT HOLE LOCATIONS TO BE CERTIFIED

TYPE OF SOIL _____

TESTED BY RHODGES

NEELS
 ALSO PRESENT: W. P. FAU OWNER
C. W. T. EXCAVATING



Wayne Pflue

Revised Plans O.K.
4/13/77 R/H

0.897 ACRES

PROPOSED WATER WELL SITE

LINE

300 FT

42 FT

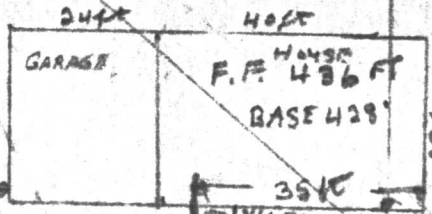
60 FT

EXIST ELEV 438 FT

SCALE
1 INCH IS 30 FT

187 FT

135 FT



342 FT

EXIST ELEV 434'

INVELEV 433'
INVELEV 432.9"

371 FT

PH. No 2

P.H. No 2

INVELEV 433'
EXIST ELEV 433.6"

DW

EXIST ELEV 434.9"

EXIST ELEV 435.6"

P.H. No 3 2786 FT

I CERTIFY THE ABOVE MEASUREMENTS AND ELEVATIONS
ARE ACTUAL & CORRECT FOR THIS PROPERTY

Poland H. Reisberg

EXIST ELEV 431'

PH No 1

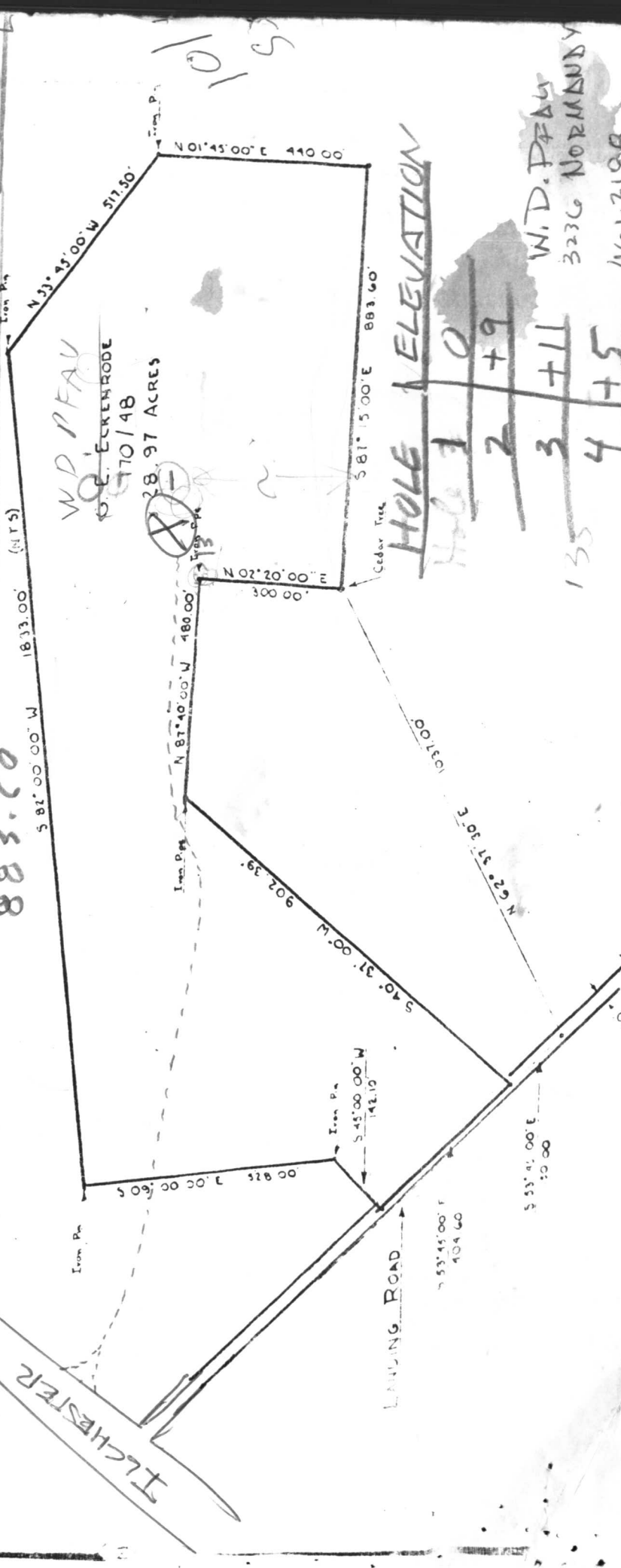
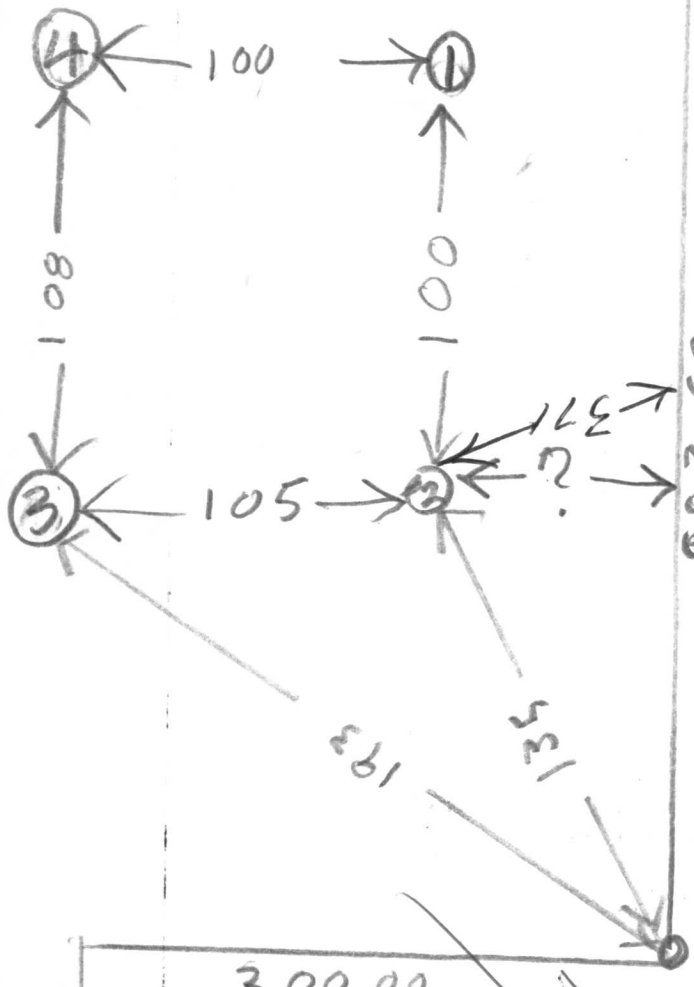
EXIST ELEV 432.6"

PH No 4

340
329

Approved for purchase
 & private sale

4/17/77 - Building
 & paving cellar
 in 371 ft



HOLE ELEVATION

Hole 1	0
2	+9
3	+11
4	+5

135

W.D. PEAY
 3236 NORMANDY
 461-2188

480.00

300.00

WILCHESTER ROAD

LANDING ROAD