

10/11/89  
11:30  
12:30  
12:45  
A.L. [unclear]

03-313034

Final

(3) P.C.O. 2  
C.B.

# PERMIT

SEWAGE DISPOSAL SYSTEM

MARYLAND STATE DEPARTMENT OF HEALTH

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

P 45040  
A 37998  
DISTRICT 3rd  
DATE 10/11/89  
DATE SYSTEM APPROVED 10/11/89  
INSPECTOR C.B. [initials]

INDEXED

Dave Hopkins & Son IS PERMITTED TO INSTALL  ALTER   
ADDRESS 17550 Old Frederick Road, Mt. Airy, Maryland PHONE 831-7257  
SUBDIVISION Mathis Property ROAD 12439 Barnard Way LOT 16  
PROPERTY OWNER Joseph Reilly  
Barnard Brothers Construction  
ADDRESS \_\_\_\_\_

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

GARBAGE GRINDER? YES \_\_\_\_\_ NO

SEPTIC TANK CAPACITY 1250 GALLONS NUMBER OF BEDROOMS 4

TRENCHES - 180 sq. ft. per bedroom. Trench to be 2 feet wide. Inlet 4 feet below original grade. Bottom maximum depth 8 feet below original grade. Effective area begins at 4 feet below original grade. 4 feet of stone below distribution pipe.

LOCATION - Start the first trench 110 feet from the short (220') lot line which borders Lot 17 and 130 feet from the long (1150') lot line which borders Lot 15. Run trench(s) along contour toward Lot 15.

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

PLANS APPROVED BY C. Williams DATE 5/12/88

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

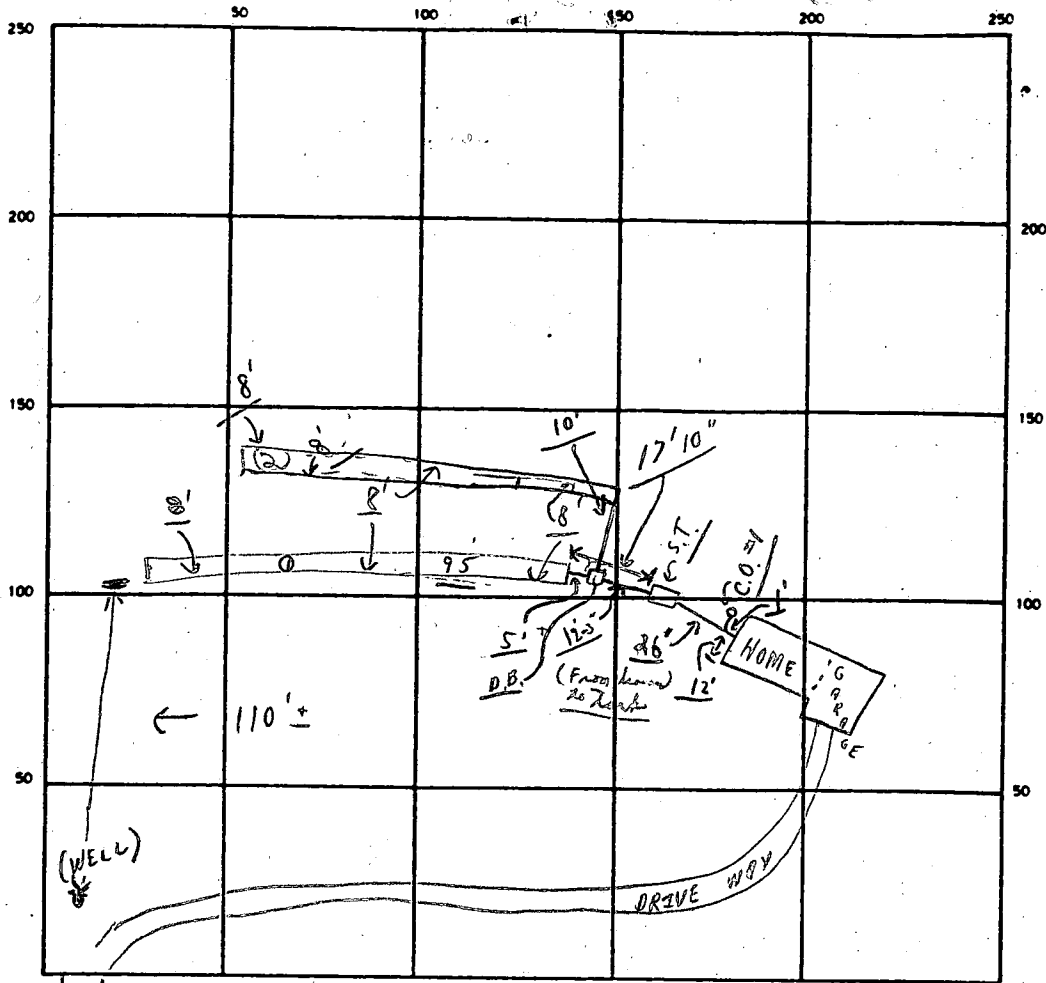
NOTE: DISTRIBUTION BOXES MUST HAVE BAFFLES

BLDG. PERMIT SIGNED  
AND RETURNED [Signature]  
Seal # 49396  
[Signature]

A 27948

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

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



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE

← BARNARD WAY →

S.T. / C.O.#1

SEPTIC TANK LEVEL OK CLEANOUTS OK / OK

DISTRIBUTION BOX LEVEL OK (Baffle is in)

DRAIN FIELD/TILE FIELD DEPTH 8 FT. TRENCH WIDTH 2 FT. INLET DEPTH 4 FT.

EFFECTIVE GRAVEL DEPTH ① 4 FT. TOTAL LENGTH ① 95' FT. ② 87 1/2' FT. {182 1/2}

NUMBER OF TRENCHES 2 ONE SIDEWALL/FOUNDATION AREA 730 SQ. FT.

DRYWELL INSIDE DIAMETER \_\_\_\_\_ FT. EFFECTIVE DEPTH BELOW INLET \_\_\_\_\_ FT.

ABSORBENT AREA 730 SQ. FT.

REMARKS 10/11/89 ① Partial - house connection to tanks ok to cover; ② Partial Trench ① ok for stones; ③ Partial - trench ① ok to cover and trench ② - 10' ok for stone continue; ④ <sup>P.M. - LATE</sup> Final - OK to cover;

DATE SYSTEM APPROVED 10/11/89

INSPECTOR Charles Bryan Stueker

# APPLICATION

PERCOLATION TESTING

A 37998

P \_\_\_\_\_

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

DISTRICT 3<sup>rd</sup>

DATE Oct. 20, 1986

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 Willard and Quinnie Mathis  
12382 - A Frederick Rd.  
ADDRESS West Friendship, Md. 21794 PHONE 489-4024

PROSPECTIVE BUYER Gary M. Barnard Et Al  
ADDRESS 1035 St. Michael Rd. Mt. Airy, Md. 21771 PHONE 489-7621

PROPERTY LOCATION:

SUBDIVISION Mathis Property Sec. II LOT NO. 16  
12499  
ROAD AND DESCRIPTION At the end of Barnard Way

TAX MAP 15 PARCEL # 15

SIZE OF LOT 3.25 Ac TYPE BLDG. SFD  
(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.

Gary M. Barnard  
(SIGNATURE OF APPLICANT)

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

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

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

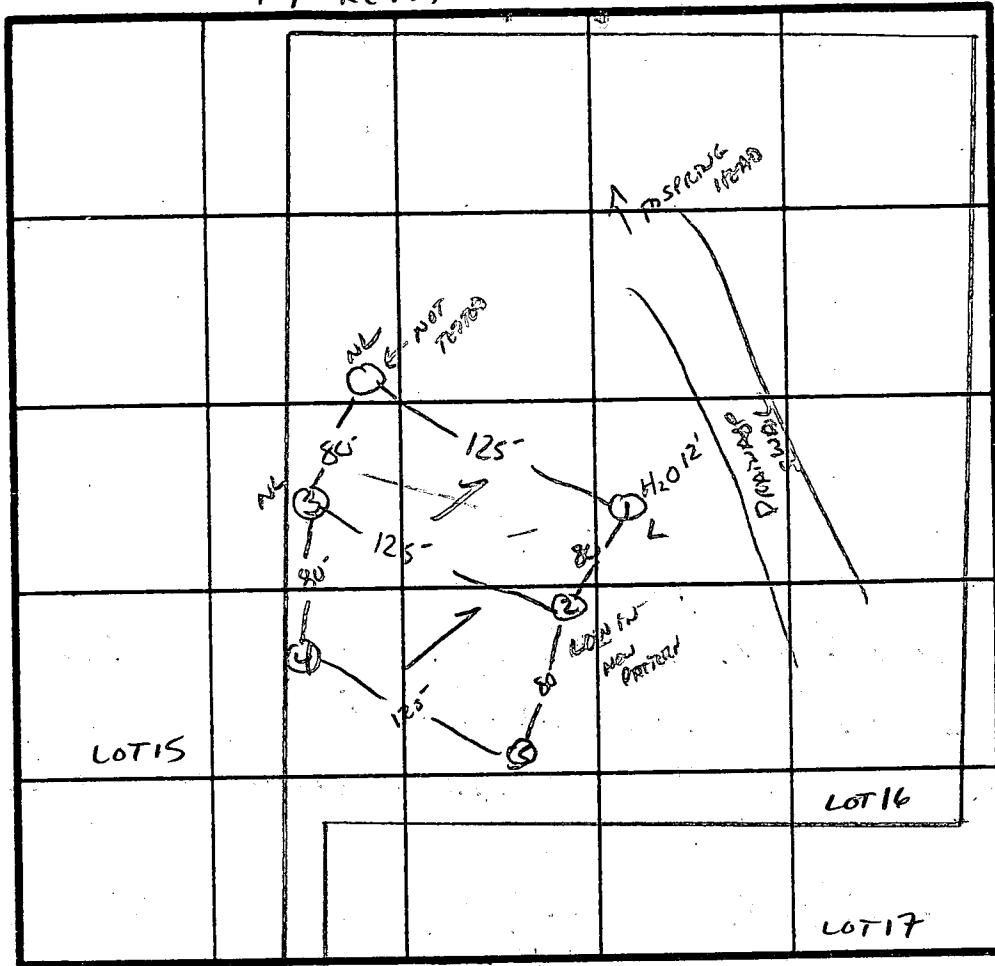
REASONS FOR REJECTION OR HOLDING 11/20/86 Perc. Satisfactory; Hold for subdivision plat. Shallow  
SYST. ONLY. S. Aul

BUDG. PERMIT SIGNED  
AND RETURNED 8/14/89  
Serial # 28077  
SFD - 4 Bedroom

# THIS IS NOT A PERMIT

A37998

↑ to Rt 144



8 Perc  
5 min  
180# BR  
INLET 5  
BOTTOM 6.5

INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

↓ TO BARNARD WALK + Rt 70

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
11/9/86	1S	5.5'	11:54	STOPPED			
	1V						
			WATER ENTERING HOLE AT 22"				
	2S	5'	12:11	12:12	12:12	12:16	4 min
	2V	15'	UNIFORM SOIL below 88° WATER AT 15'				
	3S	5'	12:59	1:01	1:01	1:03	2 min
	3V	13'	SIMILAR TO HOLE #2 w/ more GRANUL (G)				
	4V	13'	SAND AS HOLE #2				
	5S	6'	1:20	1:26	1:26	1:35	9 min
	5M	9.5'	1:25	1:27	1:27	1:30	3 min
	5V	14'	UNIFORM SOIL below 5.5'				

REMARKS: HOLES DIFF THAN PLAT. / Shallow Sgs. Only.

TYPE OF SOIL: CH

TESTED BY: S. ABLE

BARNARD BROTHERS

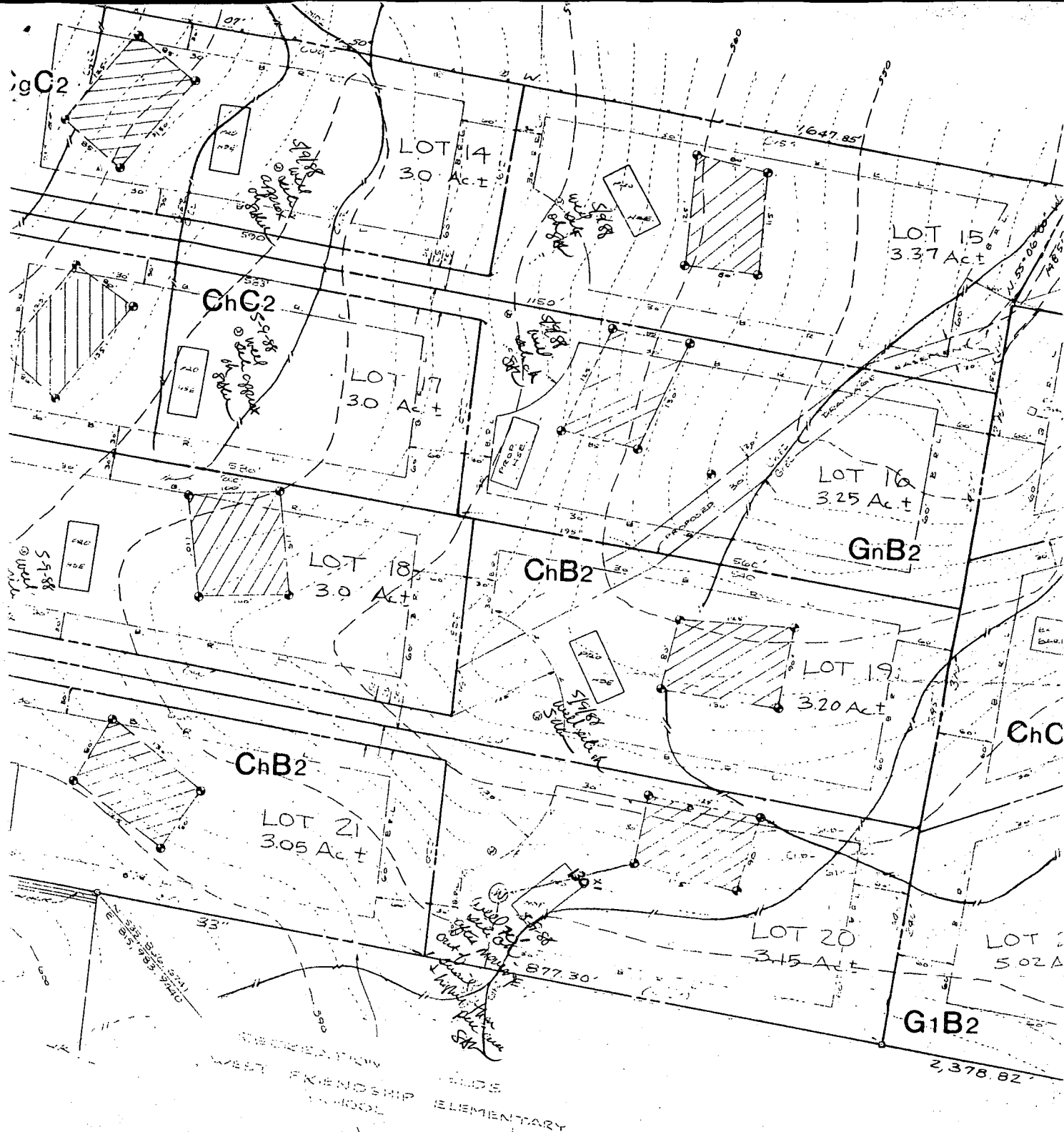
ALSO PRESENT: DAVE HICKINS

SOIL PROFILE  
 0"  
 10"  
 AP  
 Yellow BR  
 Silt LOAM  
 12-15% CLAY  
 10% FRASS  
 Yellow BR.  
 Silt LOAM  
 Highly micaceous  
 15-20% FRAGMENTS  
 12"  
 (G1)

SOIL PROFILE  
 0"  
 10"  
 4.5"  
 AP  
 Yellow BR TO  
 RED BROWN  
 Silt LOAM 9-12%  
 CLAY 10%  
 FRASS  
 Yellow BR  
 Silt SAND  
 LOAM  
 Highly micaceous  
 15-20%  
 FRAGMENTS  
 (G2)

SOIL PROFILE  
 0"  
 12"  
 5.5"  
 14"  
 AP  
 RED BROWN  
 Silt LOAM  
 12-15% CLAY  
 10% FRASS  
 SEMI QUARTZITE  
 Yellow RED  
 Silt LOAM  
 15-20%  
 FRASS  
 EH-12-1079  
 (CH-C3)





N 1/4  
 THE BOARD OF ED.  
 HOWARD COUNTY  
 706 F 282

DEVELOPER:

OWNER:

GARRY M. BARNARD  
 DAYTON B. BARNARD  
 PAUL D. BARNARD

WILLARD  
 GUINNIE  
 12392-A  
 WEST FR

1035 St. MICHAELS ROAD



C1 9509

SEQUENCE NO. (DENV USE ONLY)

STATE OF MARYLAND WELL COMPLETION REPORT

THIS REPORT MUST BE SUBMITTED WITHIN 30 DAYS AFTER WELL IS COMPLETED.

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

COUNTY NUMBER A37998

DATE Received

DATE WELL COMPLETED

Depth of Well

PERMIT NO. FROM "PERMIT TO DRILL WELL"

Grid for DATE Received

Grid for DATE WELL COMPLETED

Grid for Depth of Well

Grid for PERMIT NO.

OWNER: B... last name, first name, TOWN, SUBDIVISION, SECTION 2, LOT 16

WELL LOG

Not required for driven wells

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

Table with columns: DESCRIPTION, FEET (FROM, TO), Check if water bearing. Includes entries for Top Soil, Sandy, Sand Stone, MICKA, SAND STONE, MICKA.

GROUTING RECORD

WELL HAS BEEN GROUTED (Y/N), TYPE OF GROUTING MATERIAL (CEMENT CM, BENTONITE CLAY BC), NO. OF BAGS, NO. OF POUNDS, GALLONS OF WATER, DEPTH OF GROUT SEAL

CASING RECORD

MAIN CASING TYPE (PL, G, 41), Nominal diameter, Total depth, OTHER CASING (if used)

SCREEN RECORD

screen type or open hole (ST, BR, HO, PL, OT), DEPTH (nearest ft.) grid

C2

DEPTH (nearest ft.) grid, SLOT SIZE, DIAMETER OF SCREEN

C3

PUMPING TEST

HOURS PUMPED, PUMPING RATE, METHOD USED TO MEASURE PUMPING RATE, WATER LEVEL, BEFORE PUMPING, WHEN PUMPING, TYPE OF PUMP USED

PUMP INSTALLED

DRILLER WILL INSTALL PUMP (YES/NO), TYPE OF PUMP INSTALLED, CAPACITY, GALLONS PER MINUTE, PUMP HORSE POWER, PUMP COLUMN LENGTH, CASING HEIGHT

LOCATION OF WELL ON LOT

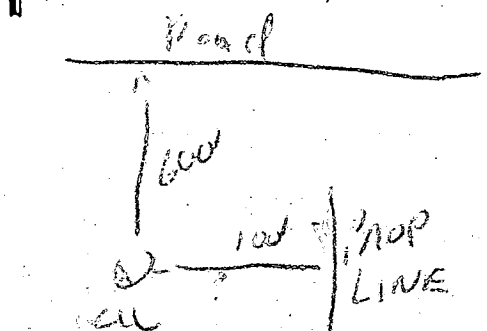
SHOW PERMANENT STRUCTURE SUCH AS BUILDING, SEPTIC TANKS, AND/OR LANDMARKS AND INDICATE NOT LESS THAN TWO DISTANCES

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"

DRILLERS IDENT. NO. 277, DRILLERS SIGNATURE, SITE SUPERVISOR

GRAVEL PACK, IF WELL DRILLED WAS FLOWING WELL INSERT, OEP USE ONLY (TELESCOPE CASING, LOG INDICATOR, OTHER DATA)



10/16/89

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 # 43060  
Date 10/12/89

Name of Installer J. Jos. Gartland, Inc.

Telephone 875-2400

License Number 1713

Certified Well Pump Installer  Well Driller  Registered Plumber

Name of Property Owner Barnard Const. Co.

Telephone 489-7621

Subdivision MATHIS Property Lot # 16

Well Tag # HD-81-2921

Site Address 12439 Barnard Way.

Pump

- 1. Type
  - a. Deep well jet
  - b. Shallow well jet
  - c. Submersible
- 2. Make Goulds
- 3. Model # 10EJ05422
- 4. Capacity 10 GPM

Motor

- 1. Horsepower 1/2
- 2. RPM
- 3. Voltage 
  - a. 110
  - b. 220

Pitless Adapter

- 1. Make Howard
- 2. Model # PT800
- 3. Depth 42"

- 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

Tank

- 1. Capacity 42 gal
- 2. Pressure relief valve? 7.5 PSI
- P.A. 4' B.G.
- MR 10/16/89

Piping

- 1. Type PLASTIC
- 2. Size 1"
- 3. NSF and/or BOCA Code approved
- 4. Depth of supply line 42'

Well data

- 1. Depth  ft.
- 2. Yield  GPM
- 3. Static water level  ft.
- 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: [Signature]

Date: 9/14/89

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

