

9/9/88 10 AM

03 - 313026

42335

P 42335

PERMIT

A 37999

SEWAGE DISPOSAL SYSTEM

MARYLAND STATE DEPARTMENT OF HEALTH

DISTRICT 3rd

HOWARD COUNTY
BUREAU OF ENVIRONMENTAL HEALTH
461-9933

INDEXED

DATE 8/15/88

DATE SYSTEM APPROVED 9/19/88

INSPECTOR RH

Dave Hopkins & Son

IS PERMITTED TO INSTALL ALTER

ADDRESS 17550 Old Frederick Road, Mt. Airy, Maryland 21771 PHONE 831-7257

SUBDIVISION Mathis Property ROAD 2435 Barnard Way LOT 15, Section II

PROPERTY OWNER W. MATHEWS + A. JACOBSEN Gary M. Barnard The Laughlins

ADDRESS _____

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

GARBAGE GRINDER? YES _____ NO X

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 9 feet below original grade. Effective area begins at 4 feet below original grade. 5 feet of stone below distribution pipe.

LOCATION - Place the distribution box 190 feet up the left (589.47') lot line and 95 feet off the same lot line as seen when facing the lot from Barnard Way. Run trenches along contour in both direction.

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

PLANS APPROVED BY C. Williams/Sid Abel Updated DATE 7/21/88

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 NOTED) **BUILDING PERMITS SIGNED**

NOTE: IF DEEP TRENCHES ARE USED CALL FOR INSPECTION BEFORE AND AFTER PLACING GRAVEL IN TRENCHES). **AND RETURNED**

NOTE: NO DRY WELL SHALL EXCEED 15 FOOT IN DIAMETER. NO ABSORPTION TRENCH TO EXCEED 100 FEET IN LENGTH. 11/2/2003 B00139848 SCREENED PORCH

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.

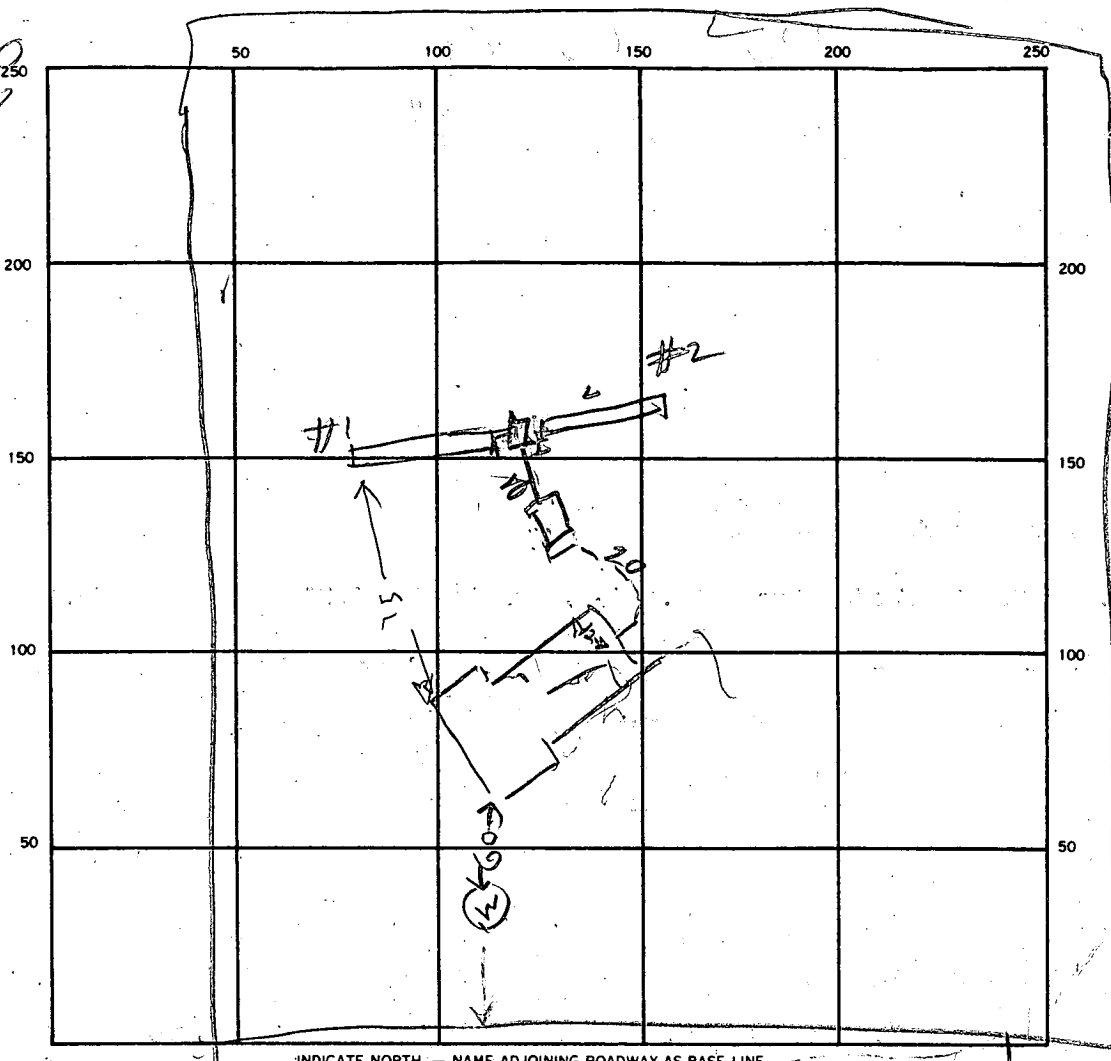
NOTE: DISTRIBUTION BOXES MUST HAVE BAFFLES.

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

*CALL 461-9933 FOR INSPECTION OF SEPTIC SYSTEMS.

EH - 2-1186

A 37999



SEPTIC TANK. LEVEL 1250 CLEANOUTS _____

DISTRIBUTION BOX. LEVEL _____

DRAIN FIELD/TILE FIELD. DEPTH 9.5 / 9.5 FT. TRENCH WIDTH 2 FT. INLET DEPTH _____ FT.

EFFECTIVE GRAVEL DEPTH 5.5 FT. TOTAL LENGTH 100 / 40 FT.

NUMBER OF TRENCHES 2 ONE SIDEWALL/BOTTOM AREA 770 SQ. FT.

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

REVERSE SIGNED _____ SQ. FT.

REMARKS LOCATION OF PER PLANS

FIRST TRENCH DUG

9/9/89 - FINISH HOOKING UP TANK & COUPLERS

DATE SYSTEM APPROVED 9/9/89

INSPECTOR Raymond Hodge

APPLICATION

PERCOLATION TESTING

A 37999

P _____

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

DISTRICT 3rd

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

12392-A Frederick Road
ADDRESS West Friendship, Md. 21774 PHONE 489-4024

PROSPECTIVE BUYER Garry M. Barnard Ex. A1 ✓

ADDRESS 1035 St. Michael Rd., Mt. Airy, Md. 21771 PHONE 489-7621

PROPERTY LOCATION:

SUBDIVISION Mathis Property Sec. II LOT NO. 15

ROAD AND DESCRIPTION At the end of Barnard way
12435

TAX MAP # 15 PARCEL # 15

SIZE OF LOT 3.37 Ac. TYPE BLDG. S.F.D.
(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.

Garry M. Barnard
(SIGNATURE OF APPLICANT)

APPROVED BY Sally Abel FOR Deep trenches DATE 7-21-88

REJECTED BY _____ FOR _____ DATE _____

HOLD PENDING FURTHER TESTS _____ DATE _____

REASONS FOR REJECTION OR HOLDING 1/20/86 Perc. SATISFACTORY, HOLD FOR Subdivision PERM. S. Abel

BLDG. PERMIT SIGNED
AND RETURNED 7-21-88
BP 70126 SAL

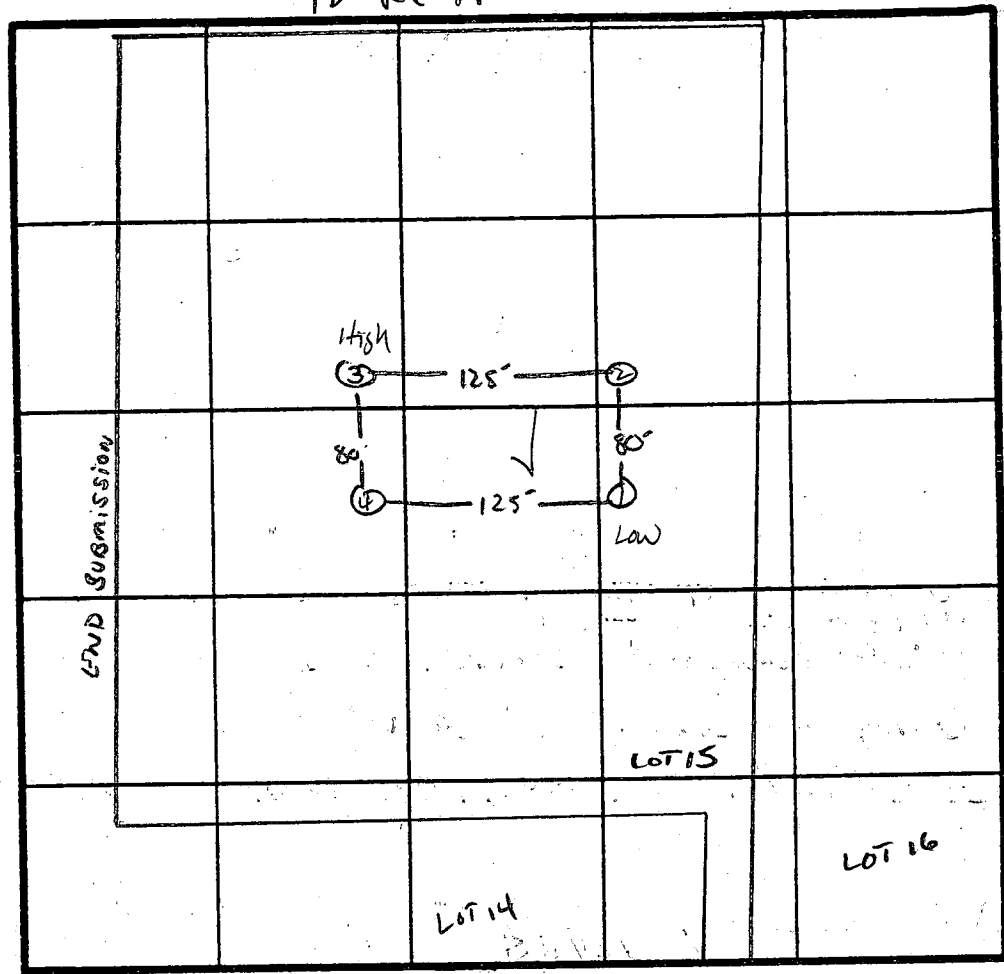
THIS IS NOT A PERMIT

A37999

TD RE 144

④
① ② ③
SOIL PROFILE

0
12"
4-5'
13'
AP
RED BROWN
SILT LOAM
9-12% CLAY
L10% FRAGS
QUARTZ
Yellow Br.
SAND LOAM
SMALL PART
QUARTZ
15-20%
FRAGMENTS
Ⓢ



̄ Perc
4 min
180 #/BK
INLET 4"
BOTTOM 9"

INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE
↓ TO BARNARD WAY + RE 70

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME	
			START	STOP	START	STOP		
11/19/86	1 S	5"	1:33	1:34	1:34	1:37	3 min	
		9"	1:34	1:35	1:35	1:36	1 min	
	1 V	13"	UNIFORM SOIL BELOW 5"					
	2 S	4.5"	1:39	1:40	1:40	1:42	2 min	
		13"	SAME AS HOLE # 1 w/ CLAY TO 4"					
	3 S	5"	1:44	1:48	1:48	1:56	8 min	
		13"	UNIFORM SOIL BELOW 5"					
	4 V	12"	UNIFORM SOIL BELOW 5"					

EH-12-1079

REMARKS Holes Per Plat.

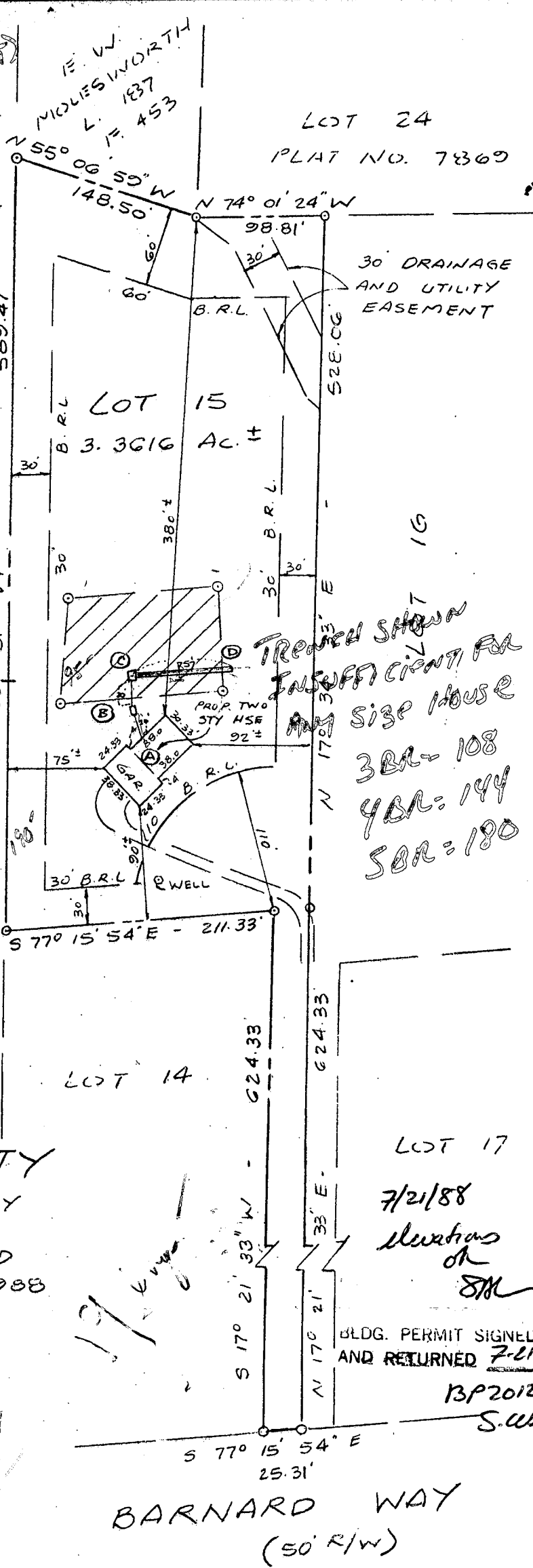
TYPE OF SOIL Chester

TESTED BY S. Abel ALSO PRESENT BARNARD BROTHERS
DAVE BARKINS

- A. PROPOSED HSE
F.F. EL. = 568.0 ✓
BSMT. EL. = 559.5 ✓
INV. OUT. = 557.33 ✓
- B. PROPOSED SEPTIC TANK
EX. EL. = 561.5 ✓
INV. IN. = 556.92 ✓
INV. OUT. = 556.67 ✓
- C. PROPOSED DISTRIBUTION BOX
EX. EL. = 560.0 ✓
INV. IN. = 556.25 ✓
- D. PROPOSED TRENCH
75' LENGTH
INV. EL. 556.0 ✓
5' OF STONE ✓
9' BOTTOM MAX ✓

PLAT OF RECORD NOTES:

1. There is a 10' wide reversible slope easement along all road frontage lot lines.
2. For flag or pipe stem lots, refuse collection, snow removal, and road maintenance are provided to the junction of the flag or pipe stem and the road right-of-way line and not into the flag or pipe stem lot driveway.



PLOT PLAN
LOT 15, SECTION TWO
SHEET 2 OF 3
MATHIS PROPERTY
SITUATED ON BARNARD WAY
THIRD ELECTION DISTRICT
HOWARD COUNTY, MARYLAND
SCALE: 1" = 100' JULY, 1988

LOT 17
7/21/88
Elevations OK
SM
BLDG. PERMIT SIGNED AND RETURNED 7-21-88
BP20126
S.W.



100
720
44
57

VANMAR ASSOCIATES INC.
Engineers • Surveyors • Planners
310 South Main Street, Mount Airy, Maryland 21771
(301) 829-2890 (301) 831-5015

I CERTIFY THIS PLAT TO BE CORRECT; IT IS THE RESULT OF AN ACTUAL FIELD SURVEY, BASED ON DATA FOUND AMONG THE LAND RECORDS OF <u>HOWARD</u> COUNTY, MARYLAND, AS REFERENCED HEREON.	
REFERENCE	JOB NO.
PLAT # 7869	251-379

B 1 **7074** 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

40-81-2720

fill in this form completely

Date Received (APA)

OWNER INFORMATION

BARWARD **CONST CO**

15 Last Name Owner First Name 34

1035 ST MICHAELS RD

36 Street or RFD 55

MT Airy **MD 21251**

57 Town 70 State 72 Zip 76

B 3 LOCATION OF WELL

HOWARD COUNTY

MATHEIS PROP SUBDIVISION

SECTION **2** LOT **15**

WEST FRIENDSHIP NEAREST TOWN

MILES FROM TOWN (enter 0 if in town) **0** MI

DRILLER INFORMATION

Ralph MAYNE Driller's Name **373** License No. 80

Ralph MAYNE Well Drillers Firm Name

9120 Brown Church Rd. Mt Airy Address

Ralph Mayne 4/1/88 Signature Date

B 4 DIRECTION OF WELL FROM TOWN (CIRCLE BOX)

NEAR WHAT ROAD **BARWARD way**

ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX)

DISTANCE FROM ROAD **650** ENTER FT or MI **67**

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

HOWARD COUNTY NAME **A37999** COUNTY NO.

STATE SIGNATURE _____ INSERT S _____

DATE ISSUED **05/11/88** CO SIGNATURE **Cranwood** EXP. DATE **11/11/88**

NORTH GRID **535000** EAST GRID **0816000**

APPROXIMATE DEPTH OF WELL **150** FEET

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) _____

Not to be filled in by driller (OEP USE ONLY)

APPROP. PERMIT NUMBER **GAP**

FORCE **CW** INITIALS IN BOX PERMIT No. **40-81-2720**

SHOW MAJOR FEATURES OF BOX & LOCATE WELL WITH AN X

SOURCES OF DRILLING WATER

1. well

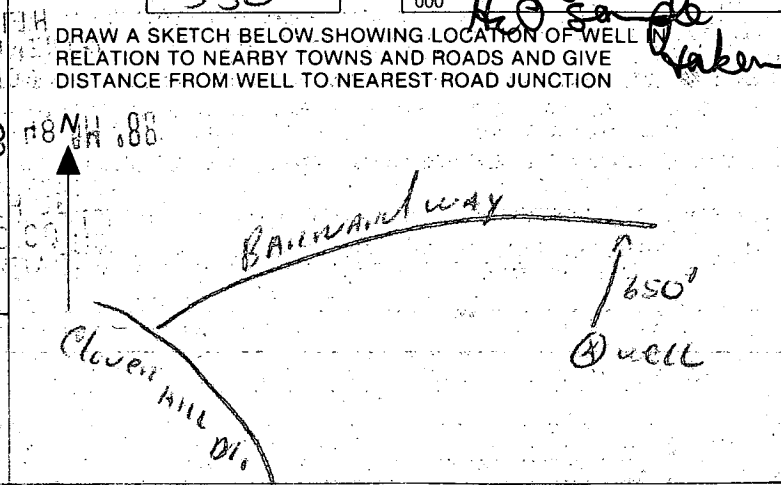
2.

3.

WRITE THE BOX NUMBER FROM THE MAP HERE

810 6

530 5



C1 9510

SEQUENCE NO. (DENV 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 37907

DATE Received

DATE WELL COMPLETED 05/21/88

Depth of Well 145 (TO NEAREST FOOT)

PERMIT NO. FROM "PERMIT TO DRILL WELL" AG-81-7720

OWNER last name first name TOWN

STREET OR RFD SUBDIVISION SECTION LOT

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 (Use additional sheets if needed), FEET (FROM, TO), Check if water bearing. Rows include Top Soil, Sandstone, MICHA, Sand Stone, MICKA.

GROUTING RECORD WELL HAS BEEN GROUTED (Circle Appropriate Box) TYPE OF GROUTING MATERIAL CEMENT BENTONITE CLAY NO. OF BAGS NO. OF POUNDS GALLONS OF WATER DEPTH OF GROUT SEAL

CASING RECORD casing types insert appropriate code below MAIN Nominal diameter Total depth CASING top (main) casing of main casing TYPE (nearest inch) (nearest foot)

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

SCREEN RECORD screen type or open hole insert appropriate code below

DEPTH (nearest ft.)

CIRCLE APPROPRIATE LETTER 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. 273

DRILLERS SIGNATURE (MUST MATCH SIGNATURE ON APPLICATION)

SITE SUPERVISOR (sign. of driller or journeyman responsible for sitework if different from permittee)

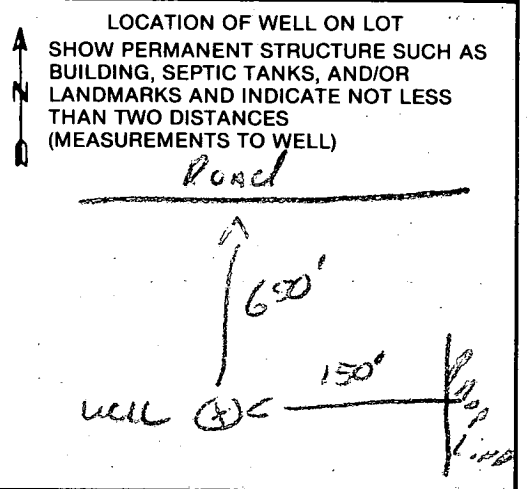
SLOT SIZE 1 2 3 DIAMETER OF SCREEN (NEAREST INCH)

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

PUMPING TEST HOURS PUMPED (nearest hour) PUMPING RATE (gal. per min. to nearest gal.) METHOD USED TO MEASURE PUMPING RATE WATER LEVEL (distance from land surface) BEFORE PUMPING WHEN PUMPING TYPE OF PUMP USED (for test)

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 (to nearest gallon) PUMP HORSE POWER PUMP COLUMN LENGTH (nearest ft.) CASING HEIGHT (circle appropriate box and enter casing height) LAND SURFACE (nearest foot)



COUNTY

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

9/14/88

EARLY PM

PARTIAL

SEE C.B.D.
↓ BELOW ↓

APPLICATION FOR PITLESS ADAPTER, WELL PUMP AND PRESSURE TANK INSTALLATION

New Installation X
Replacement _____

Receipt # 42339
Date 8/15/88

Name of Installer J. Joseph Gartland, Inc.

Telephone 875-2400

License Number 1713

Certified Well Pump Installer _____ Well Driller _____ Registered Plumber X

Name of Property Owner Barnard Const. Co., Inc. Telephone 489-7621
Subdivision Mathis Property. Lot # 15 Well Tag # HO-81-2720
Site Address 12435 Barnard Way.

Pump

- Type
 - Deep well jet _____
 - Shallow well jet _____
 - Submersible X
- Make Goulds.
- Model # 10EJ05422
- Capacity 10 GPM
- Pump exceeds well capacity Yes X No _____
- If Yes, is low pressure cutoff switch installed? Yes X No _____
- What methods are used to protect the pump and electrical wiring from vibrations? Torque arrestors _____ Cable guards _____ Other _____

Motor

- Horsepower 1/2
- RPM _____
- Voltage _____
 - 110 _____
 - 220 X

Pitless Adapter

- Make Harvard.
- Model # PT800
- Depth 42"

Tank

- Capacity 42 gal.
- Pressure relief valve? 75psi.

Piping

- Type Plastic
- Size 1"
- NSF and/or BOCA Code approved yes
- Depth of supply line 42"

Well data HO-81-2720

- Depth _____ ft.
- Yield _____ GPM
- Static water level _____ ft.
- Will water supply be disinfected by installer? Yes

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: 8/12/88

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

HD-215

9/16/88 Partial - Line + pitless adapter ok. C.B.D.
9/16 No leaks in basement; cap tight C.B.D.

PLAT OF RECORD NOTES:

1. There is a 10' wide revertible slope easement along all road frontage lot lines.
2. For flag or pipe stem lots, refuse collection, snow removal, and road maintenance are provided to the junction of the flag or pipe stem and the road right-of-way line and not into the flag or pipe stem lot drive-way.

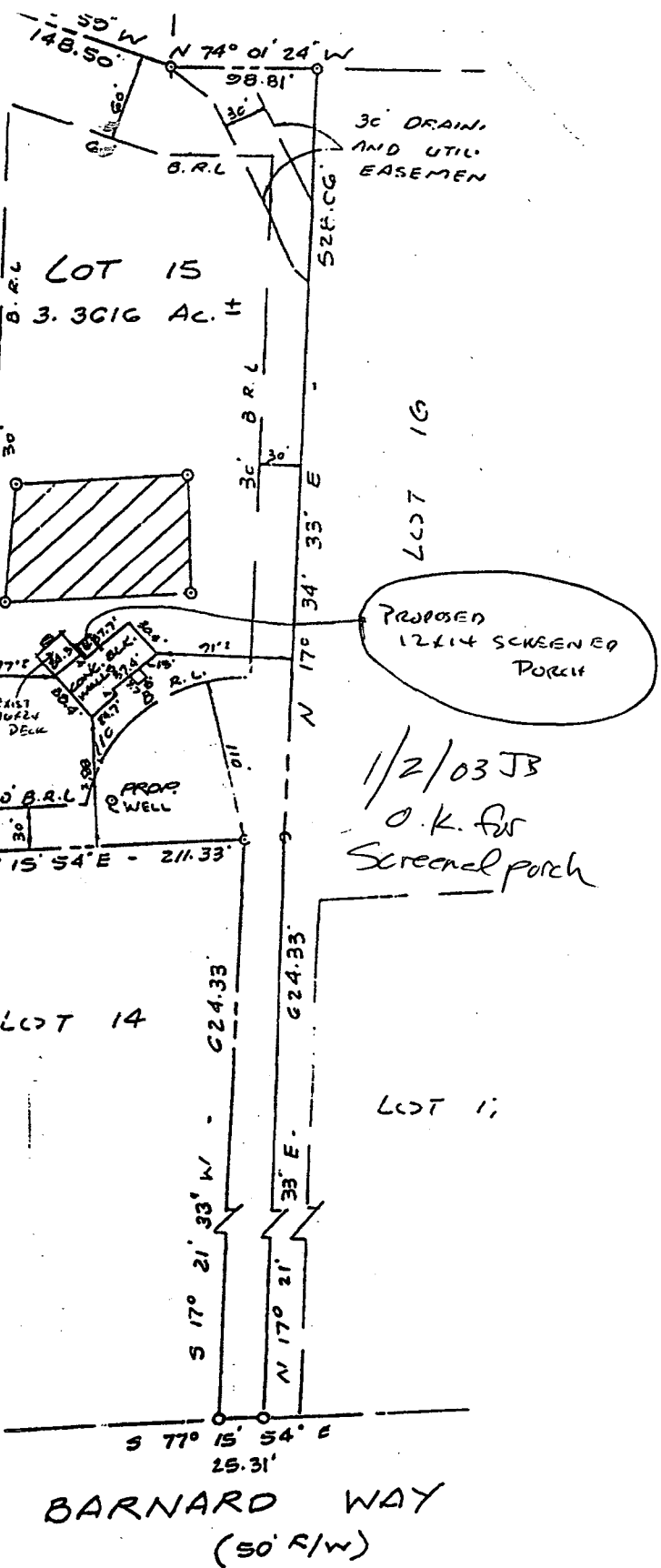
WALL CHECK SURVEY
 LOT 15, SECTION TWO
 SHEET 2 OF 3
MATHIS PROPERTY
 12435 BARNARD WAY
 THIRD ELECTION DISTRICT
 HOWARD COUNTY, MARYLAND
 SCALE: 1" = 100' AUGUST, 1988



8/27/88

I CERTIFY THIS PLAT TO BE CORRECT; IT IS THE RESULT OF AN ACTUAL FIELD SURVEY, BASED ON DATA FOUND AMONG THE LAND RECORDS OF HOWARD COUNTY, MARYLAND, AS REFERENCED HEREON.

REFERENCE	JOB NO.
LAT # 7806	251-379



VANMAR ASSOCIATES INC
 Engineers • Surveyors • Planners
 110 South Main Street, Mount Airy, Maryland
 (301) 829-2890 (301) 831-4015