

04 347943

## PERMIT

SEWAGE DISPOSAL SYSTEM

MARYLAND STATE DEPARTMENT OF HEALTH

DISTRICT 4th

HOWARD COUNTY

BUREAU OF ENVIRONMENTAL HEALTH

461-9933

INDEXED

DATE 4/25/89DATE SYSTEM APPROVED 4-7-89INSPECTOR JENDave Hopkins & SonIS PERMITTED TO INSTALL X ALTERADDRESS 17550 Old Frederick Road, Mt. Airy, Maryland PHONE 831-7257SUBDIVISION Dayton B. Barnard ROAD 1045 St. Michaels Rd. LOT 3PROPERTY OWNER Paul Barnard

ADDRESS

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

GARBAGE GRINDER? YES        NO XSEPTIC TANK CAPACITY 1000 GALLONS NUMBER OF BEDROOMS 31803  
540 180ft trenchTRENCHES - 180 sq. ft. per bedroom. Trench to be 3 feet wide. Inlet 3 feet below original grade. Bottom maximum depth 4.5 feet below original grade. Effective area begins at 3 feet below original grade. 1.5 feet of stone below distribution pipe.LOCATION - Beginning the front far left lot corner, place the distribution box 370 feet across the front (355.13') lot line and 15 feet off the front (355.13') lot line as seen when facing the property from St. Michael's Road. Run trenches on contour toward the left (406.33') 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. ok/cwPLANS APPROVED BY Jane Nadeau DATE 8/18/88

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

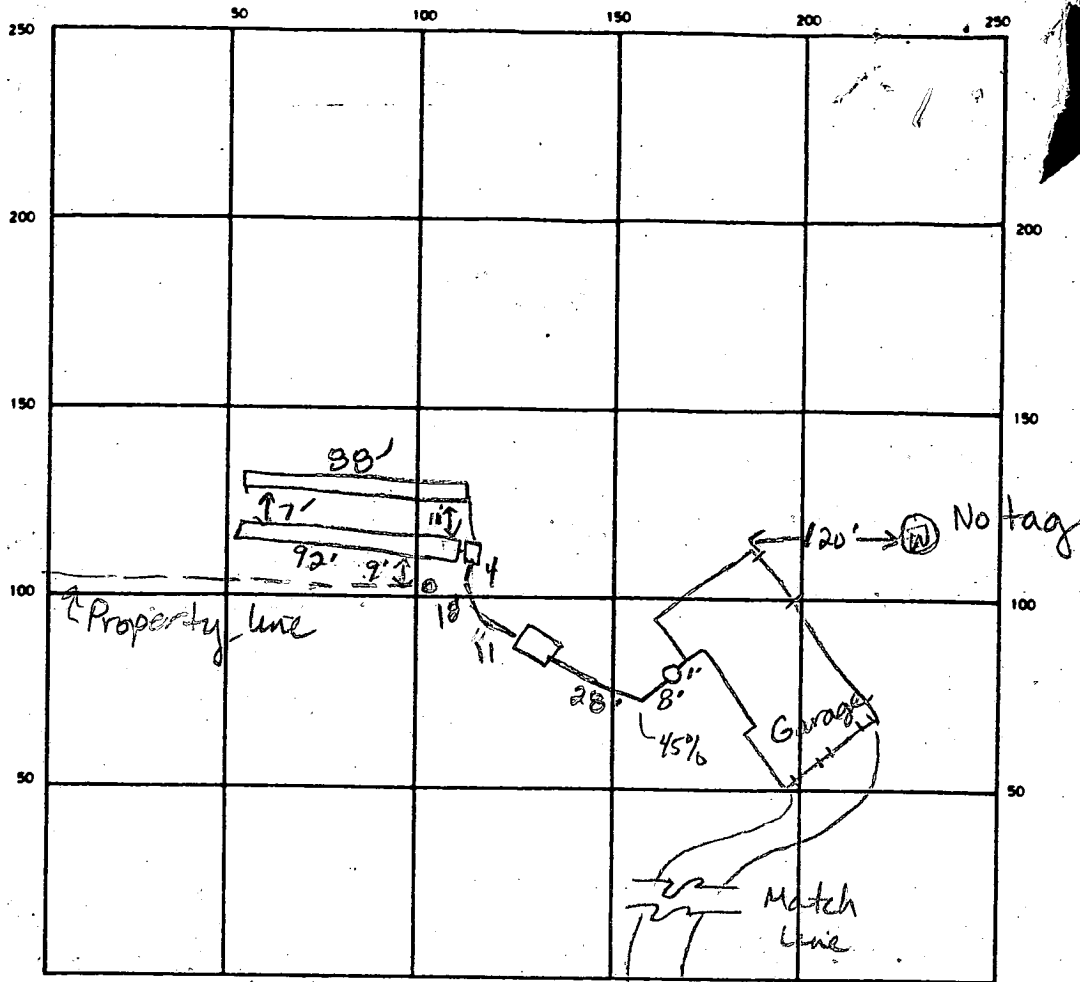
NOTE: INSTALL STAND PIPE ON SEPTIC TANK AND DRY WELL. STAND PIPES MUST BE 6 INCHES IN DIAMETER. CAST IRON, CONCRETE OR TERRA COTTA OR PVC OR ABS ACCEPTED. IF TOP OF SEPTIC TANK IS DEEPER THAN 3 FEET, MANHOLE TO GRADE REQUIRED

NOTE: DISTRIBUTION BOXES MUST HAVE BAFFLES

BLDG. PERMIT SIGNED  
AND RETURNED 2/21/97

\*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

St. Michael's Road

SEPTIC TANK LEVEL 1500 gal CLEANOUTS 1 at house 1 on S. Tank

DISTRIBUTION BOX LEVEL OK w/ baffle

DRAIN FIELD/TILE FIELD DEPTH 4.5 4.5 FT. TRENCH WIDTH 3 FT. INLET DEPTH 0.5 2.5 FT.

EFFECTIVE GRAVEL DEPTH 2.0 2.0 FT. TOTAL LENGTH 80 92 FT.

NUMBER OF TRENCHES 2 ONE SIDEWALL/BOTTOM AREA 264 276 SQ FT.

DRYWELL INSIDE DIAMETER            FT. EFFECTIVE DEPTH BELOW INLET            FT.

ABSORBENT AREA 540 SQ. FT.

REMARKS 4-7-89 OK to cover all work, Cement around tank and dist. box.  
JEN

DATE SYSTEM APPROVED

4-7-89

INSPECTOR

Jane E. Maden

# APPLICATION

PERCOLATION TESTING

A 39878

P \_\_\_\_\_

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

DISTRICT Fourth

DATE 8-14-87

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 ~~Dayton B. Barnard~~ PAUL BARNARD 489-4036

ADDRESS 1037 St. Michael's Rd Mt. Airy MD 21771 PHONE 489-4036

PROSPECTIVE BUYER NONE

ADDRESS NONE PHONE NONE

PROPERTY LOCATION:

SUBDIVISION Dayton B. Barnard LOT NO. 3

ROAD AND DESCRIPTION 1045 Saint Michael's Rd East on 144 RT. on St. Michael's Rd

one and half miles from Lisbon

TAX MAP 7 PARCEL # 279

SIZE OF LOT 3.7176 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.

Dayton Barnard  
(SIGNATURE OF APPLICANT)

APPROVED BY Jane E. Madson FOR Shallow tile field DATE 8-18-88

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

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

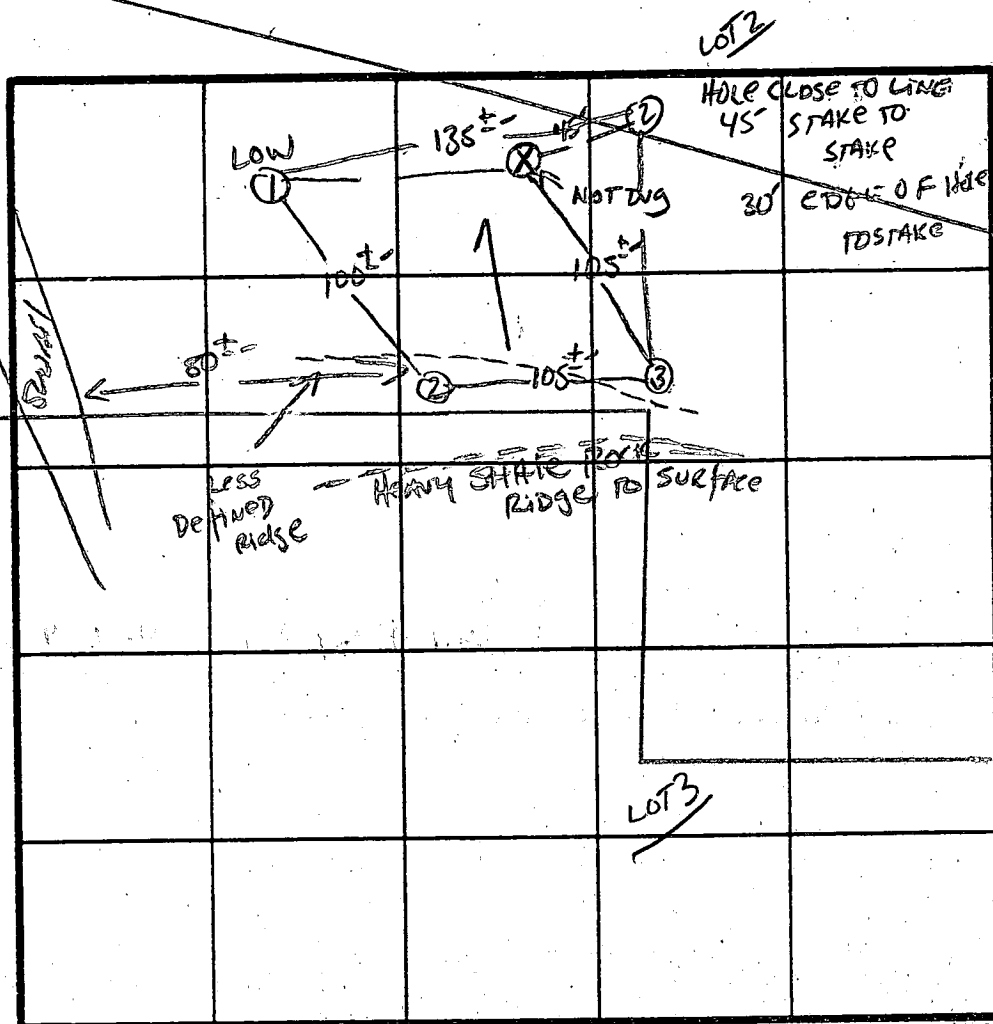
REASONS FOR REJECTION OR HOLDING 8/31/87 Re-no SATISFACTORY; Hold For PERM. 8/31/87

BUDG. PERMIT SIGNED  
AND RETURNED 12-16-88

BP230345A

# THIS IS NOT A PERMIT

①  
SOIL PROFILE  
8" 0"  
AD  
Yellow Br  
Silt CL LM.  
15-20% FRAGS  
Yellow Br  
Silt loam w/  
Pink casts  
of silt + LM.  
15-25%  
FRAGS  
Shale/mica  
mix.



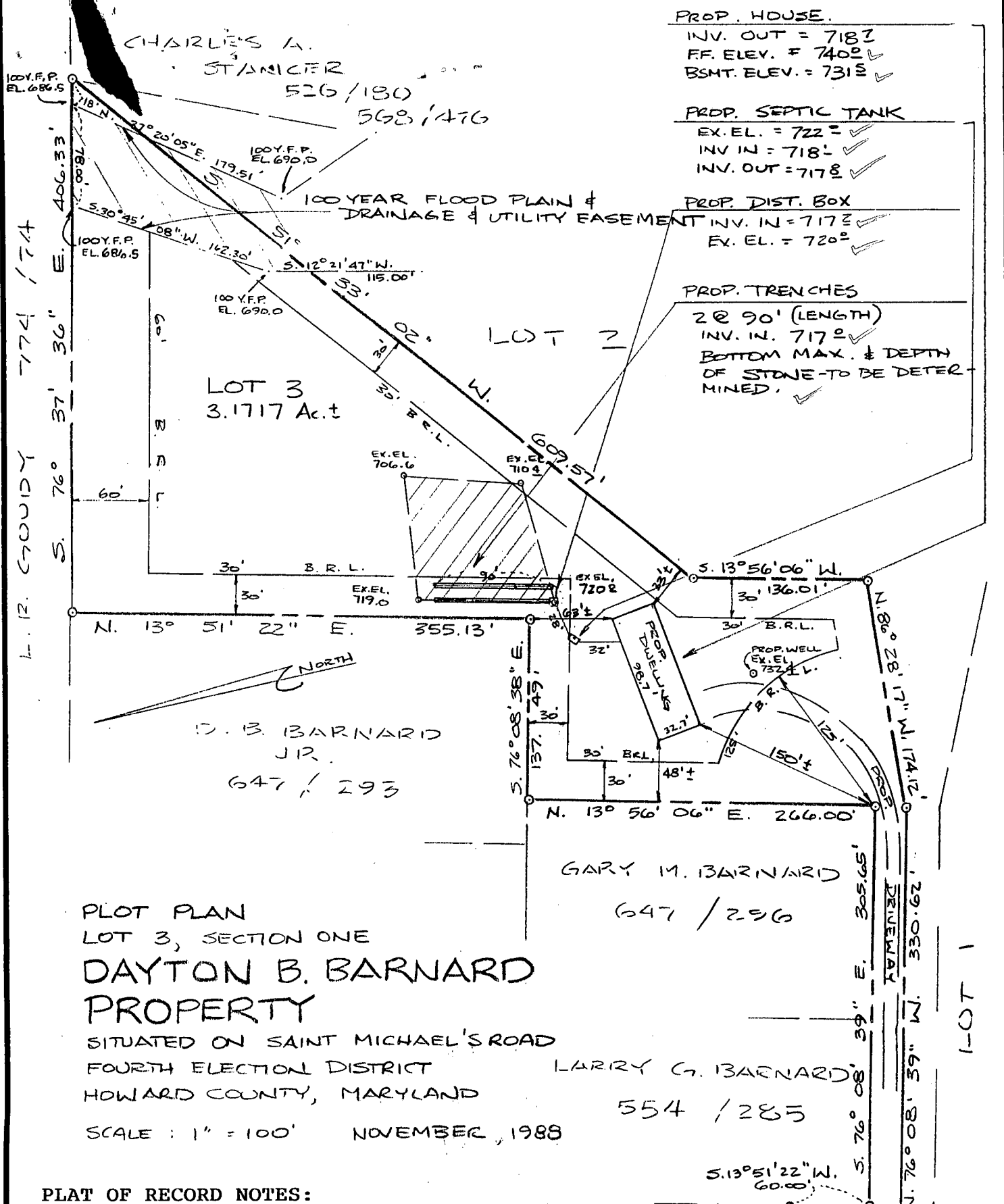
Perc X 4 min  
180 + 18  
Inlet 3.6  
Bottom 4.5

②  
8" 0"  
AP  
Yellow Br  
Silt CL LM.  
15-25% FRAGS  
Red Br. Shale  
Silt loam  
30-40%  
FRAGS  
3.5'-9-9.5'  
↓  
FRAGS 50%  
9.5'

| DATE   | TEST NO. | DEPTH            | PRE-WET              |                     | TEST - 1" DROP      |                     | TIME             |
|--------|----------|------------------|----------------------|---------------------|---------------------|---------------------|------------------|
|        |          |                  | START                | STOP                | START               | STOP                |                  |
| 8/2/87 | 1 S<br>V | 3.5'<br>13.5'    | 12:19<br>DAY TO B    | 12:22<br>TANA       | 12:22<br>UNIFORM    | 12:26<br>soil below | 4 min<br>3-      |
|        | 2 S<br>M | 4.0'<br>7.5'     | 12:35:30<br>12:59:30 | 12:37:30<br>1:00:30 | 12:37:30<br>1:00:30 | 12:42<br>11:03:30   | 4.5 min<br>3 min |
|        | 2 V      | 9.5' see profile |                      |                     |                     |                     |                  |
|        | 3 S<br>M | 4.0'<br>8.0'     | 12:45<br>12:49       | 12:47:30<br>12:51   | 12:47:30<br>12:51   | 12:52<br>12:57      | 4.5 min<br>6 min |
|        | 3 V      | 12' see profile  |                      |                     |                     |                     |                  |
|        |          |                  |                      |                     |                     |                     |                  |
|        |          |                  |                      |                     |                     |                     |                  |
|        |          |                  |                      |                     |                     |                     |                  |
|        |          |                  |                      |                     |                     |                     |                  |
|        |          |                  |                      |                     |                     |                     |                  |
|        |          |                  |                      |                     |                     |                     |                  |
|        |          |                  |                      |                     |                     |                     |                  |
|        |          |                  |                      |                     |                     |                     |                  |

③  
8" 0"  
AP  
Yell. Br Silt CL  
LM. 10-20%  
FRAGS shale  
Brown to yell.  
Br silt loam  
shaley 25-30%  
FRAGS  
Large FRAGS  
AT BOTTOM

REMARKS: HOLES SIMILAR TO PLAT - SHALLOW SYST ONLY  
Hole # 1 Glenela  
Hole # 2+3 more mt Ariz  
TYPE OF SOIL: ME Ariz / Glenela  
TESTED BY: S. Abel  
ALSO PRESENT: DAYTON, Dave  
B.



#### PLAT OF RECORD NOTES:

1. 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.

2. Plan subject to WP-88-62, waver to the 3:1 lot to width ratio.



12/16/88

elevations by  
SAL

BDDG. PERMIT SIGNED  
AND RETURNED 12-16-88

BP23034

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.



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

COORDINATES ARE BASED ON  
MARYLAND STATE PLANE

THE AREA OF SUBDIVISION TO BE RECORDED  
13.6372 AC. ±

APPROXIMATELY 1. DRAINAGE SYSTEMS  
AND 2. ROAD 40WARD COUNTY  
WORKS.

WE, DAYTON B. BARNARD, OWNERS OF THE PROPERTY SHOWN  
AND DESCRIBED HEREBY, DO HEREBY ADOPT THE PLAN OF SUBDIVISION, AND IN CONSIDER-  
ATION OF THE APPROVAL OF THE OFFICE OF PLANNING AND ZONING,  
ESTABLISH THE MARYLAND BUILDING RESTRICTIONS AND GRANT UNTO HOWARD  
COUNTY, MARYLAND, ITS SUCCESSORS, AGENTS AND OTHER MUNICIPAL UTILITIES AND  
SERVICES, IN AND THROUGH ALL ROADS AND STREETS AND RIGHT OF WAYS, AND THE SPECIFIC  
EASEMENT AREAS SHOWN HEREON, THE RIGHT TO REQUIRE DEDICATION FOR PUBLIC  
USE THE BEDS OF THE STREETS AND/OR WHERE APPLICABLE, THE BEDS OF THE STREETS AND/OR  
WHERE APPLICABLE, THE BEDS OF THE STREETS AND/OR WHERE APPLICABLE, THE BEDS OF THE STREETS AND/OR  
GRANT THE RIGHT TO HOWARD COUNTY TO ACQUIRE THE FEE SIMPLE TITLE TO  
THE BEDS OF THE STREETS AND/OR WHERE APPLICABLE, THE BEDS OF THE STREETS AND/OR  
UTILITIES AND OPEN SPACE WHERE APPLICABLE, THE BEDS OF THE STREETS AND/OR  
OF WATERWAYS, AND THE BEDS OF THE STREETS AND/OR WHERE APPLICABLE, THE BEDS OF THE STREETS AND/OR  
CONSTRUCTIONS, REPAIRS AND MAINTENANCE OF THE SAME, AND THE BEDS OF THE STREETS AND/OR  
STRUCTURE OF ANY BUILDING OR BUILDINGS SHOWN ON OR OVER THE SAID BASEMENTS  
AND RIGHTS OF WAY.

WITNESS OUR HANDS THIS 16 DAY OF October 1987

10-15-87  
DATE

10-15-87  
DATE

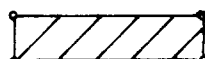
10-15-87  
DATE

SURVEYORS CERTIFICATION

I HEREBY CERTIFY THAT THE FINAL PLAT SHOWN HEREON IS CORRECT; THAT IT IS A SUBDIVISION OF ALL OF THE LAND CONVEYED BY ELIZABETH M. TRIPP TO DAYTON B. BARNARD AND JUNE D. BARNARD, HIS WIFE, BY DEED DATED SEPTEMBER 14, 1987 AND RECORDED AMONG THE LAND RECORDS OF HOWARD COUNTY, MARYLAND IN LIBER 1729 AT FOLIO 728 AND THAT ALL MONUMENTS ARE IN PLACE OR WILL BE IN PLACE PRIOR TO THE ACCEPTANCE OF THE STREETS IN THE SUBDIVISION BY HOWARD COUNTY AS SHOWN IN ACCORDANCE WITH THE ANNOTATED CODE OF MARYLAND, AS AMENDED.

MICHAEL'S ROAD  
(GO R/W)  
LAND DEDICATED TO  
HOWARD COUNTY MARYLAND  
FOR THE PURPOSE OF A  
PUBLIC ROAD.  
7125 ± OR 0.1636 AC±

NOTES:

1. THE LOTS SHOWN HEREON COMPLY WITH THE MINIMUM OWNERSHIP WIDTH AND LOT AREA AS REQUIRED BY THE MARYLAND STATE DEPT. OF HEALTH AND MENTAL HYGIENE REGULATIONS.
2. COORDINATES ARE BASED ON MD. STATE PLANE AS PROJECTED BY HOWARD COUNTY GEODETIC CONTROL STATION N-33 3829005 + 3829004
3.  THIS AREA DESIGNATES A PRIVATE SEWAGE EASEMENT OF 10,000 SQUARE FEET AS REQUIRED BY MD. STATE DEPT. OF HEALTH AND MENTAL HYGIENE FOR INDIVIDUAL SEWAGE DISPOSAL. IMPROVEMENTS OF ANY NATURE IN THIS AREA ARE RESTRICTED UNTIL PUBLIC SEWAGE IS AVAILABLE. THESE EASEMENTS SHALL BECOME NULL AND VOID UPON CONNECTION TO A PUBLIC SEWAGE SYSTEM. THE COUNTY HEALTH OFFICER SHALL HAVE THE AUTHORITY TO GRANT VARIANCES FOR ENCROACHMENTS INTO THE PRIVATE SEWAGE EASEMENTS. RECORDATION OF A MODIFIED SEWAGE EASEMENT SHALL NOT BE NECESSARY.
4. B.R.L. REPRESENTS BUILDING RESTRICTION LINES.
5. ■ CONC. MON. SET. (UNLESS OTHERWISE NOTED)  
○ IRON PIPE OR BAR SET (UNLESS OTHERWISE NOTED)
6. PERCOLATION TEST HOLES SHOWN HEREON HAVE BEEN FIELD LOCATED AND SHOWN - ●
7. ● INDICATES PROPOSED WELL
8. SUBJECT PROPERTY ZONED "R" PER 8/2/85 COMPREHENSIVE ZONING PLAN
9. THERE IS AN EXISTING STRUCTURE ON LOT 4. NO NEW BUILDING, EXTENSION OR ADDITION TO THE EXISTING STRUCTURES ARE TO BE CONSTRUCTED AT A DISTANCE LESS THAN THE ZONING REGULATION ALLOWS.
10. 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.
11. PLAN SUBJECT TO WP-88-62

RECORDED AS PLAT \_\_\_\_\_ ON \_\_\_\_\_  
AMONG THE LAND RECORDS OF HOWARD COUNTY

DAYTON B. BARNARD  
PROPERTY

LOTS 1 THRU 4, SECTION ONE

TAX MAP 7 PARCEL 279

FOURTH ELECTION DISTRICT

HOWARD COUNTY, MARYLAND

SCALE: 1" = 100'      AUGUST, 1987

**SHELDON ASSOCIATES, INC.**  
CONSULTING ENGINEERS  
301 SOUTH MAIN ST. MT AIRY MD 21771  
(301) 829-2890

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |      |                                                                                                                                         |                                           |                     |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-----------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|---------------------|
| B 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 3629 | SEQUENCE NO.<br>(DP USE ONLY)                                                                                                           | STATE OF MARYLAND<br>PERMIT TO DRILL WELL | STATE PERMIT NUMBER |
| (THIS NUMBER IS TO BE PUNCHED IN COLS. 3-6 ON ALL CARDS)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |      | please print or type                                                                                                                    |                                           |                     |
| Date Received (APA)<br>080488                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |      | LOCATION OF WELL                                                                                                                        |                                           |                     |
| OWNER INFORMATION<br>BARNARD CORST<br>Last Name: BARNARD, Owner: CORST, First Name: [blank]                                                                                                                                                                                                                                                                                                                                                                                                                                                            |      | 8 COUNTY: HOWARD, 21 DAYTON BARNARD PAPP                                                                                                |                                           |                     |
| ST MICHAELS RD<br>Street or RFD                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |      | 23 SUBDIVISION: [blank], LOT: 3                                                                                                         |                                           |                     |
| MT AIRY, MD 21521<br>Town: MT AIRY, State: MD, Zip: 21521                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |      | 52 NEAREST TOWN: POPULAR SPIRITS                                                                                                        |                                           |                     |
| DRILLER INFORMATION<br>Ralph Mayne<br>Driller's Name: Ralph Mayne, 77 License No. 80: 273                                                                                                                                                                                                                                                                                                                                                                                                                                                              |      | MILES FROM TOWN (enter 0 if in town) 1 MI                                                                                               |                                           |                     |
| Firm Name: Ralph Mayne Well Drilling<br>Address: 5126 Bowie Church Rd. #14 Apt<br>Signature: Ralph Mayne, Date: 7/30/88                                                                                                                                                                                                                                                                                                                                                                                                                                |      | B 4                                                                                                                                     |                                           |                     |
| WELL INFORMATION<br>APPROX. PUMPING RATE (GAL. PER MIN.) 5<br>AVERAGE DAILY QUANTITY NEEDED (GAL. PER DAY) 500                                                                                                                                                                                                                                                                                                                                                                                                                                         |      | DIRECTION OF WELL FROM TOWN (CIRCLE BOX)<br>N, NE, E, SE, S, SW, W, NW                                                                  |                                           |                     |
| USE FOR WATER (CIRCLE APPROPRIATE BOX)<br><input checked="" type="radio"/> D HOME (SINGLE OR DOUBLE HOUSEHOLD UNIT ONLY)<br><input type="radio"/> F FARMING (LIVESTOCK WATERING & AGRICULTURAL IRRIGATION)<br><input type="radio"/> I INDUSTRIAL, COMMERCIAL, STATE AND FEDERAL GOV. OTHER (REQUIRES APPROPRIATION PERMIT)<br><input type="radio"/> P PUBLIC OR PRIVATE WATER COMPANY (REQUIRES APPROPRIATION PERMIT AND STATE HEALTH DEPARTMENT APPROVAL)<br><input type="radio"/> T TEST, OBSERVATION, MONITORING (MAY REQUIRE APPROPRIATION PERMIT) |      | NEAR WHAT ROAD: St Michaels Rd.<br>ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX): WEST<br>DISTANCE FROM ROAD: 600 FT                   |                                           |                     |
| APPROXIMATE DEPTH OF WELL 150 FEET                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |      | NOT TO BE FILLED IN BY DRILLER<br>HEALTH DEPARTMENT APPROVAL                                                                            |                                           |                     |
| APPROXIMATE DIAMETER OF WELL 6" INCH                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |      | COUNTY NAME: Howard, COUNTY NO. A 39878                                                                                                 |                                           |                     |
| METHOD OF DRILLING (circle one)<br>BORED (or Augered), JETTED, Jetted & DRIVEN<br>AIR-ROTARY, AIR-PERCussion, ROTARY (Hydraulic Rotary)<br>CABLE, REVERSE-ROTARY, DRIVE-POINT                                                                                                                                                                                                                                                                                                                                                                          |      | STATE SIGNATURE: [blank], DATE ISSUED: 081788, June 7, 1988, CO SIGNATURE: [blank], EXP. DATE: [blank]                                  |                                           |                     |
| REPLACEMENT OR DEEPEMED WELLS (CIRCLE APPROPRIATE BOX)<br><input checked="" type="radio"/> N THIS WELL WILL NOT REPLACE AN EXISTING WELL<br><input type="radio"/> Y THIS WELL WILL REPLACE A WELL THAT WILL BE ABANDONED AND SEALED<br><input type="radio"/> S THIS WELL WILL REPLACE A WELL THAT WILL BE USED AS A STANDBY<br><input type="radio"/> D THIS WELL WILL DEEPMEN AN EXISTING WELL                                                                                                                                                         |      | NORTH GRID: 549000, EAST GRID: 077000                                                                                                   |                                           |                     |
| PERMIT NUMBER OF WELL TO BE REPLACED OR DEEPEMED (IF AVAILABLE) [blank]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |      | SHOW MAJOR FEATURES OF BOX & LOCATE WELL WITH AN X<br>SOURCES OF DRILLING WATER: 1. well, 2. [blank], 3. [blank]                        |                                           |                     |
| Not to be filled in by driller (OEP USE ONLY)<br>APPROX. PERMIT NUMBER [blank] G A P [blank]                                                                                                                                                                                                                                                                                                                                                                                                                                                           |      | WRITE THE BOX NUMBER FROM THE MAP HERE: E 770, N 848                                                                                    |                                           |                     |
| FORCE [blank] WRITE INITIALS IN BOX: [blank] PERMIT NO. 10-88-0134                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |      | DRAW A SKETCH BELOW SHOWING LOCATION OF WELL IN RELATION TO NEARBY TOWNS AND ROADS AND GIVE DISTANCE FROM WELL TO NEAREST ROAD JUNCTION |                                           |                     |
| SPECIAL CONDITIONS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |      | Sketch showing location of well in relation to nearby towns and roads. Labels: St. Michaels Rd., Howard Rd., well, 600', 10/20/88.      |                                           |                     |

|                                                             |             |                                 |                                                                                                                   |                                                                          |
|-------------------------------------------------------------|-------------|---------------------------------|-------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------|
| <b>C1</b>                                                   | <b>0638</b> | SEQUENCE NO.<br>(DENV USE ONLY) | <b>STATE OF MARYLAND</b><br><b>WELL COMPLETION REPORT</b><br>FILL IN THIS FORM COMPLETELY<br>PLEASE PRINT OR TYPE | THIS REPORT MUST BE SUBMITTED WITHIN<br>45 DAYS AFTER WELL IS COMPLETED. |
| (THIS NUMBER IS TO BE PUNCHED<br>IN COLS. 3-6 ON ALL CARDS) |             |                                 | COUNTY<br>NUMBER <b>A 39878</b>                                                                                   |                                                                          |

|                                          |                                      |                                                        |                                                                |
|------------------------------------------|--------------------------------------|--------------------------------------------------------|----------------------------------------------------------------|
| DATE Received<br>[ ] [ ] [ ] [ ] [ ] [ ] | DATE WELL COMPLETED<br><b>002488</b> | Depth of Well<br>22 <b>205</b> 26<br>(TO NEAREST FOOT) | PERMIT NO.<br>FROM "PERMIT TO DRILL WELL"<br><b>40-88-0134</b> |
|------------------------------------------|--------------------------------------|--------------------------------------------------------|----------------------------------------------------------------|

|                                   |                                               |                               |
|-----------------------------------|-----------------------------------------------|-------------------------------|
| OWNER <b>Barnard Construction</b> | last name <b>Michael</b> first name <b>Rd</b> | TOWN <b>Popular Springs</b>   |
| STREET OR RFD                     | SUBDIVISION <b>Darton Barnard Property</b>    | SECTION <b>1</b> LOT <b>3</b> |

|                                                                                                   |                 |                                     |
|---------------------------------------------------------------------------------------------------|-----------------|-------------------------------------|
| <b>WELL LOG</b><br>Not required for driven wells                                                  |                 |                                     |
| STATE THE KIND OF FORMATIONS<br>PENETRATED, THEIR COLOR, DEPTH,<br>THICKNESS AND IF WATER BEARING |                 |                                     |
| DESCRIPTION (Use<br>additional sheets if needed)                                                  | FEET<br>FROM TO | Check<br>if water<br>bearing        |
| <b>Top Soil</b>                                                                                   | <b>0 2</b>      |                                     |
| <b>Brown Shale</b>                                                                                | <b>2 40</b>     |                                     |
| <b>Brown Slate</b>                                                                                | <b>40 45</b>    |                                     |
| <b>Blue Slate</b>                                                                                 | <b>45 60</b>    |                                     |
| <b>Brown Shale</b>                                                                                | <b>60 65</b>    | <input checked="" type="checkbox"/> |
| <b>Blue Slate</b>                                                                                 | <b>65 205</b>   |                                     |

|                                                   |                                           |
|---------------------------------------------------|-------------------------------------------|
| <b>GROUTING RECORD</b>                            |                                           |
| WELL HAS BEEN GROUTED<br>(Circle Appropriate Box) |                                           |
| TYPE OF GROUTING MATERIAL                         | CEMENT <b>CM</b> BENTONITE CLAY <b>BC</b> |
| NO. OF BAGS <b>9</b>                              | NO. OF POUNDS <b>500</b>                  |
| GALLONS OF WATER <b>54</b>                        |                                           |
| DEPTH OF GROUT SEAL (to nearest foot)             |                                           |
| from <b>0</b> TOP                                 | ft. to <b>45</b> BOTTOM                   |
| (enter 0 if from surface)                         |                                           |

|                                                            |                                                     |
|------------------------------------------------------------|-----------------------------------------------------|
| <b>CASING RECORD</b>                                       |                                                     |
| casing types insert appropriate code below                 |                                                     |
| <b>ST</b> STEEL                                            | <b>CO</b> CONCRETE                                  |
| <b>PL</b> PLASTIC                                          | <b>OT</b> OTHER                                     |
| MAIN CASING TYPE <b>PL</b>                                 |                                                     |
| Nominal diameter top (main) casing (nearest inch) <b>6</b> | Total depth of main casing (nearest foot) <b>50</b> |

|                               |                      |
|-------------------------------|----------------------|
| <b>OTHER CASING (if used)</b> |                      |
| diameter inch                 | depth (feet) from to |
| [ ] [ ]                       | [ ] [ ] [ ] [ ]      |
| [ ] [ ]                       | [ ] [ ] [ ] [ ]      |

|                                                        |                     |
|--------------------------------------------------------|---------------------|
| <b>SCREEN RECORD</b>                                   |                     |
| screen type or open hole insert appropriate code below |                     |
| <b>ST</b> STEEL                                        | <b>BR</b> BRASS     |
| <b>PL</b> PLASTIC                                      | <b>HO</b> OPEN HOLE |
| <b>OT</b> OTHER                                        |                     |

|                                   |                    |
|-----------------------------------|--------------------|
| <b>C2</b>                         |                    |
| DEPTH (nearest ft.)               |                    |
| <b>HO</b> <b>48</b>               | <b>205</b>         |
| 1 8 9 11 15 17 21                 |                    |
| 2 23 24 26 30 32 36               |                    |
| 3 38 39 41 45 47 51               |                    |
| SLOT SIZE 1 2 3                   |                    |
| DIAMETER OF SCREEN (NEAREST INCH) |                    |
| 56 [ ] [ ] [ ] [ ]                | 60 [ ] [ ] [ ] [ ] |

|                                                                       |
|-----------------------------------------------------------------------|
| <b>A</b> A WELL WAS ABANDONED AND SEALED WHEN THIS WELL WAS COMPLETED |
| <b>E</b> ELECTRIC LOG OBTAINED                                        |
| <b>P</b> 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. <b>973</b>        |
| DRILLERS SIGNATURE <b>Mark Mayan</b>  |
| (MUST MATCH SIGNATURE ON APPLICATION) |

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

|             |                                                     |
|-------------|-----------------------------------------------------|
| GRAVEL PACK | IF WELL DRILLED WAS FLOWING WELL INSERT F IN BOX 68 |
| from to     |                                                     |

|                                               |                   |
|-----------------------------------------------|-------------------|
| OEP USE ONLY (NOT TO BE FILLED IN BY DRILLER) |                   |
| T 70 [ ]                                      | (E.R.O.S.) 72 [ ] |
| TELESCOPE CASING                              | LOG INDICATOR     |
| WQ 74 [ ] 75 [ ] 76 [ ]                       | OTHER DATA        |

|                                                       |                      |
|-------------------------------------------------------|----------------------|
| <b>C3</b>                                             |                      |
| <b>PUMPING TEST</b>                                   |                      |
| HOURS PUMPED (nearest hour) <b>3</b>                  |                      |
| PUMPING RATE (gal. per min. to nearest gal.) <b>4</b> |                      |
| METHOD USED TO MEASURE PUMPING RATE <b>Puck</b>       |                      |
| WATER LEVEL (distance from land surface)              |                      |
| BEFORE PUMPING <b>60</b>                              |                      |
| WHEN PUMPING <b>120</b>                               |                      |
| TYPE OF PUMP USED (for test)                          |                      |
| <b>A</b> air                                          | <b>P</b> piston      |
| <b>C</b> centrifugal                                  | <b>R</b> rotary      |
| <b>J</b> jet                                          | <b>S</b> submersible |

|                                                                                               |                                                        |
|-----------------------------------------------------------------------------------------------|--------------------------------------------------------|
| <b>PUMP INSTALLED</b>                                                                         |                                                        |
| DRILLER WILL INSTALL PUMP YES <input checked="" type="checkbox"/> NO <input type="checkbox"/> |                                                        |
| 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: <b>29</b>                  |                                                        |
| CAPACITY: GALLONS PER MINUTE (to nearest gallon)                                              | <b>31</b> [ ] [ ] [ ] [ ] <b>35</b>                    |
| PUMP HORSE-POWER                                                                              | <b>37</b> [ ] [ ] [ ] [ ] <b>41</b>                    |
| PUMP COLUMN LENGTH (nearest ft.)                                                              | <b>43</b> [ ] [ ] [ ] [ ] <b>47</b>                    |
| CASING HEIGHT (circle appropriate box and enter casing height)                                | <b>49</b> above } LAND SURFACE (nearest foot) <b>2</b> |
|                                                                                               | <b>49</b> below }                                      |

|                                                                                                                                           |  |
|-------------------------------------------------------------------------------------------------------------------------------------------|--|
| <b>LOCATION OF WELL ON LOT</b>                                                                                                            |  |
| SHOW PERMANENT STRUCTURE SUCH AS BUILDING, SEPTIC TANKS, AND/OR LANDMARKS AND INDICATE NOT LESS THAN TWO DISTANCES (MEASUREMENTS TO WELL) |  |
|                                                                                                                                           |  |

COUNTY

4/25 Partial  
C.B.D

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 X  
Replacement \_\_\_\_\_

Receipt # 44081  
Date 4-20-89

Name of Installer J. Joseph Gartland, Inc.

Telephone 875-2400

License Number 1713

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

Name of Property Owner Barnard Brothers

Telephone 489-7621

Subdivision Dayton Barnard Prop. Lot # 3

Well Tag # HO - 88 - 0134

Site Address 1045 St. Michaels Rd.

Pump

1. Type
  - a. Deep well jet \_\_\_\_\_
  - b. Shallow well jet \_\_\_\_\_
  - c. Submersible ✓
2. Make Goulds
3. Model # 10FJ05422
4. Capacity 10 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 \_\_\_\_\_

Motor

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

Pitless Adapter

1. Make Howard
2. Model # DT800
3. Depth 42"

Tank

1. Capacity 42 gal
2. Pressure relief valve? 2 psi

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? \_\_\_\_\_

PART  
PITLESS ADAPTER + WELL LINE OK 4/25/89 CBS B.C.W.

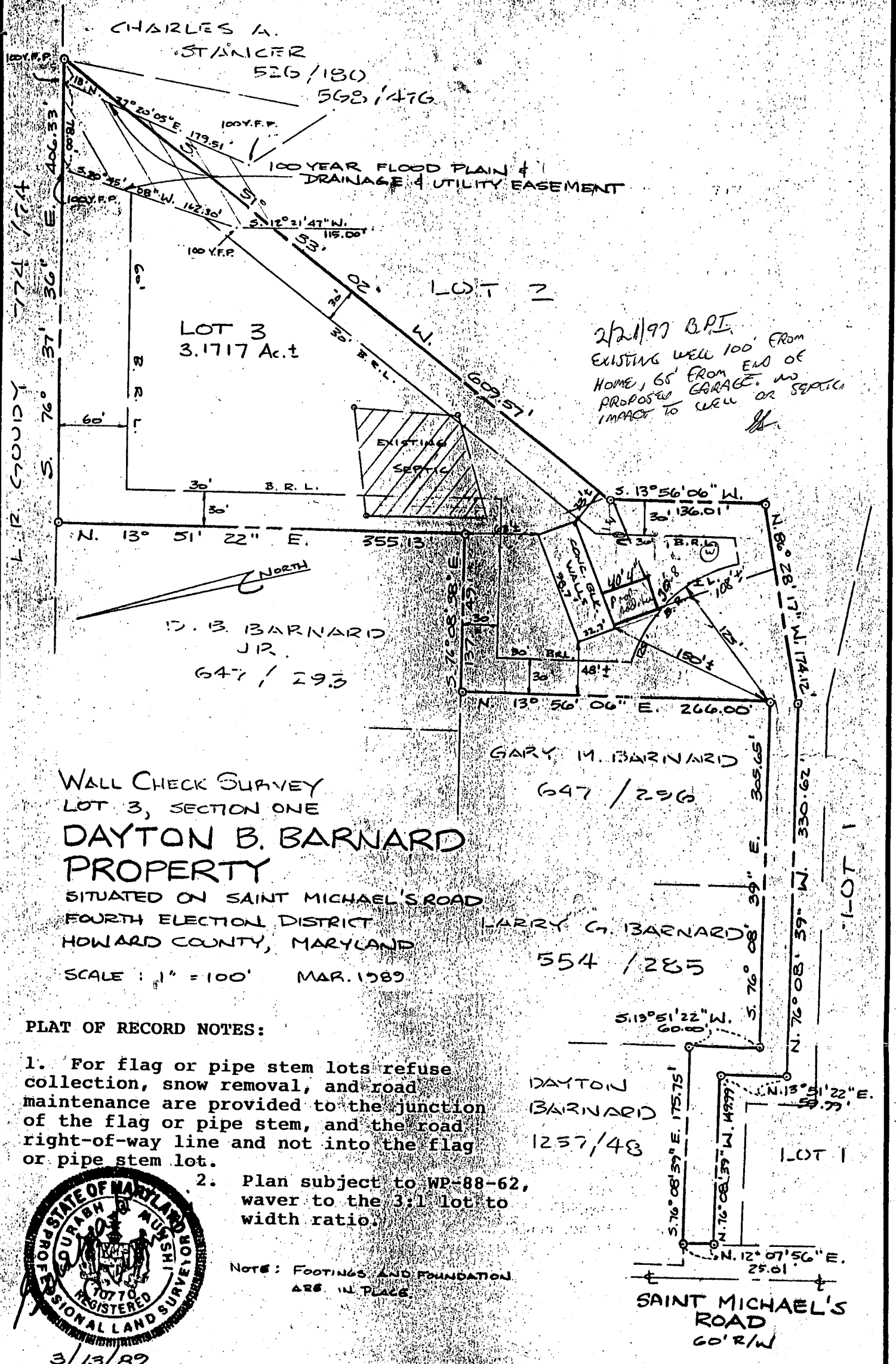
I understand that it is my responsibility to notify the Howard County Health Department when the installation is ready for inspection (otherwise this permit is null and void).

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

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

Date: 4/20/89

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



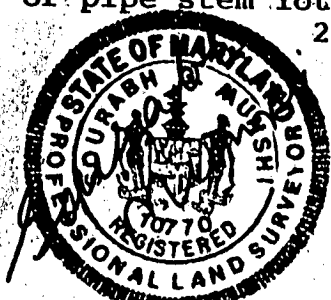
WALL CHECK SURVEY  
LOT 3, SECTION ONE  
**DAYTON B. BARNARD  
PROPERTY**

SITUATED ON SAINT MICHAEL'S ROAD  
FOURTH ELECTION DISTRICT  
HOWARD COUNTY, MARYLAND  
SCALE: 1" = 100' MAR. 1989

PLAT OF RECORD NOTES:

1. 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.
2. Plan subject to WP-88-62, waver to the 3:1 lot to width ratio.

NOTE: FOOTINGS AND FOUNDATION ARE IN PLACE.



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. |
|-------------|---------|
| PLAT # 7887 | 86-972  |



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