

5/10/90  
5/17/90 2 PM  
6/11/90 noon

# ?  
0

# PERMIT

SEWAGE DISPOSAL SYSTEM

MARYLAND STATE DEPARTMENT OF HEALTH

P 45794

A 39980

DISTRICT 4th

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

## INDEXED

DATE 4/19/90

DATE SYSTEM APPROVED 8/14/90

INSPECTOR M. Rifkin

K. Webber Painting IS PERMITTED TO INSTALL  ALTER

ADDRESS 112 Second Avenue, Brunswick, Maryland 21716 PHONE 1-<sup>301</sup>~~800~~-834-8504

SUBDIVISION Willowdale ROAD 1620<sup>th</sup> Florence Road LOT 2

PROPERTY OWNER Columbia Homes

ADDRESS \_\_\_\_\_

~~IF GARBAGE GRINDERS USED INCREASE SEPTIC TANK CAPACITY BY 50% AND ABSORPTION AREA BY 20%~~

GARBAGE GRINDER? ~~XXXXXX YES XXXXXXXXXXXX NO XXXXXX~~

SEPTIC TANK CAPACITY 1250 GALLONS NUMBER OF BEDROOMS 4

TRENCHES - 180 sq. ft. per bedroom. Trench to be 3 feet wide. Inlet 3 feet below original grade. Bottom maximum depth 5 feet below original grade. Effective area begins at 3 feet below original grade. 2 feet of stone below distribution pipe.

LOCATION - Place the distribution box 110 feet from the front (214.78') lot line and 205 feet off the right lot line as seen when facing the lot from Florence Road (Route 94). Run trenches on contour toward the right front corner.

NOTE - No trench to exceed 100 feet in length. Provide 6" - 8" diameter cleanout and cap to grade or above on septic tank. <sup>01/10</sup>

PLANS APPROVED BY Sid Abel DATE 12/31/87

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

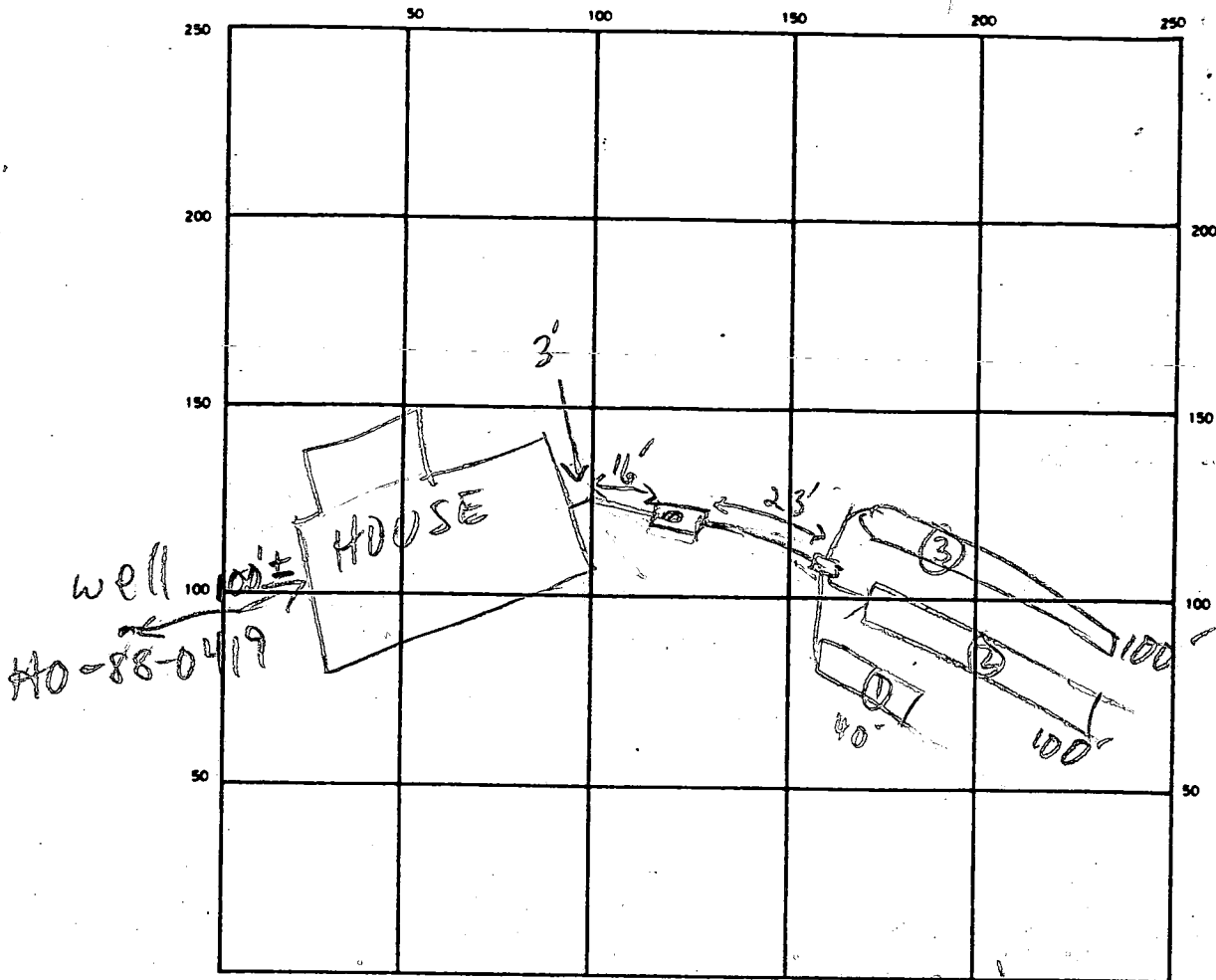
NOTE: INSTALL STAND PIPE ON SEPTIC TANK AND DRY WELL. STAND PIPES MUST BE 6 INCHES IN DIAMETER. CAST IRON, CONCRETE OR TERRA COTTA OR PVC OR ABS ACCEPTED. IF TOP OF SEPTIC TANK IS DEEPER THAN 3 FEET, MANHOLE TO GRADE REQUIRED

NOTE: DISTRIBUTION BOXES MUST HAVE BAFFLES

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

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

A 39980



Route 94 (Florence Rd)

SEPTIC TANK LEVEL 1250 GAL-OK CLEANOUTS OK

DISTRIBUTION BOX LEVEL OK - BAFFLE IN

DRAIN FIELD/TILE FIELD DEPTH 1 1/2 | 2 | 3 FT. TRENCH WIDTH 3 FT. INLET DEPTH 5 | 7 | 8 FT.

EFFECTIVE GRAVEL DEPTH 2 | 2 | 3 FT. TOTAL LENGTH 140 | 100 | 100 FT.

NUMBER OF TRENCHES 3 ONE SIDEWALL/BOTTOM AREA 120 | 300 | 300 SQ. FT.

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

ABSORBENT AREA 720 SQ. FT.

REMARKS 5/10/90 FIRST TRENCH DIG AT LOW END OF SDA,  
HOUSE PLUMBING TOO DEEP FOR GRAVITY SYS AT HIGH  
END OF SDA - STOP WORK/MR 5/17/90 PLUMBING TO BE  
RAISED TO SERVE FF ONLY - OK MR 6/4/90 NOTHING DONE,  
NO ONE PRESENT MR 6/14/90 TRENCHES TOO DEEP, BUT CAN  
STILL PLUMB TO SPECS FOR REPAIRS; FS OK'D SYSTEM AS IS;  
NO HOUSE CONN - MR 8/14/90 HOUSE CONN OK TO COVER

DATE SYSTEM APPROVED 8/14/90 INSPECTOR M. Ripkin

Preliminary  
9/14/87  
9:30 AM

# APPLICATION

PERCOLATION TESTING

A 39980

P \_\_\_\_\_

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

DISTRICT 4TH

DATE 8-27-87

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 COLUMBIA HOMES SLITE ~~201~~ 1250  
10480 Little Patuxent Parkway  
ADDRESS ~~10451 TWIN RIVERS ROAD~~ PHONE 730-5544  
COLUMBIA MD. 21044

PROSPECTIVE BUYER \_\_\_\_\_  
ADDRESS \_\_\_\_\_ PHONE \_\_\_\_\_

PROPERTY LOCATION:

SUBDIVISION Willowdale LOT NO. 2  
ROAD AND DESCRIPTION 3200 LF ± SW OF <sup>16207</sup> FLORENCE RD (MD. ROUTE 9A)  
AND FREDERICK ROAD

TAX MAP 7 PARCEL # 215

SIZE OF LOT 202' ± x 455' ± OR 2.13 AC. ± TYPE BLDG SINGLE FAMILY  
(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. x David R. Matthias  
(SIGNATURE OF APPLICANT)

APPROVED BY Sidney Abel FOR Shallow trenches DATE 12-31-87

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

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

REASONS FOR REJECTION OR HOLDING 9-14-87 Perc. Satisfactory Hold for a PLAT - SAA

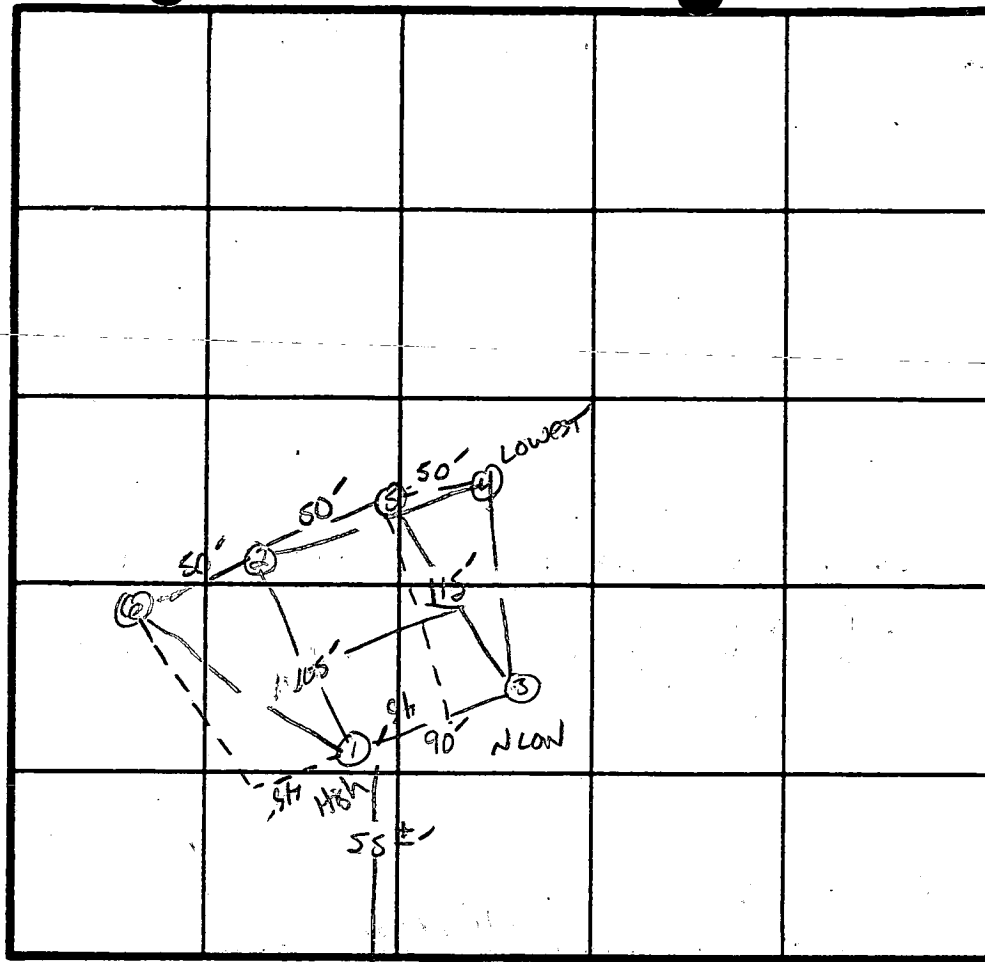
BLDG. PERMIT SIGNED  
AND RETURNED 11-29-87  
BP 207368

## THIS IS NOT A PERMIT

HD-216

① - ② - ③  
SOIL PROFILE

0	AD
11"	Yellow Br Silty CLM 10-15% FRAGS
3-3.5	Brown Silt LOAM Slightly micaceous 15-20% FRAGS NO SHALE
12-12.5	



Perce 6 MIN  
180 ABR  
Inlet 3'  
Bottom 5'

INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

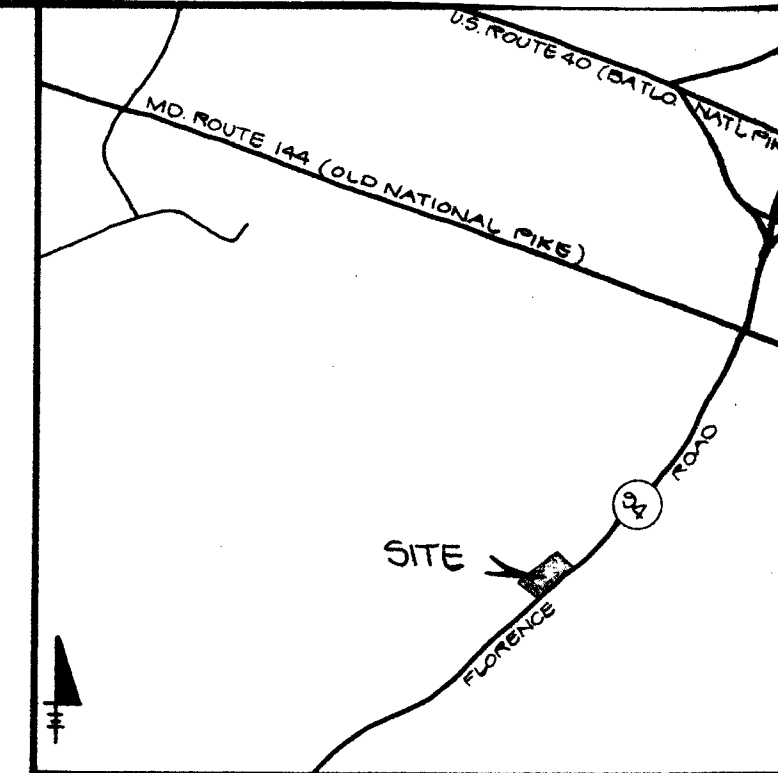
Rt 94

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
9/14/87	1 S	4"	10:49	10:54	10:54	11:00	6min
	1 M	9"	11:11	11:14	11:14	11:25	11min
	1 V	12"	UNIFORM	soil below 3"			
	2 S	4.0"	11:00	11:02:30	11:02:30	11:06	3.5min
	2 V	12.5"	UNIFORM	soil below 3"			
	3 S	4.0"	11:16	11:18	11:18	11:22	4 min
	3 M	8.5"	12:20	12:23	12:23	12:30	7min
	3 V	14'	WATER AT 12' 9"	UNIFORM	below 3.5"		
	4 V	12'	WATER ENTERING AT 8.5"				
	5 V	9.5'	UNIFORM	below 3.0'	HARD	BOTTOM	
	6 S	4.0"	11:48	11:50	11:50	11:54	4min
		13"	SAME AS #2				

REMARKS Shallow syst. only - Adjust Perc Area AT HOLE #3

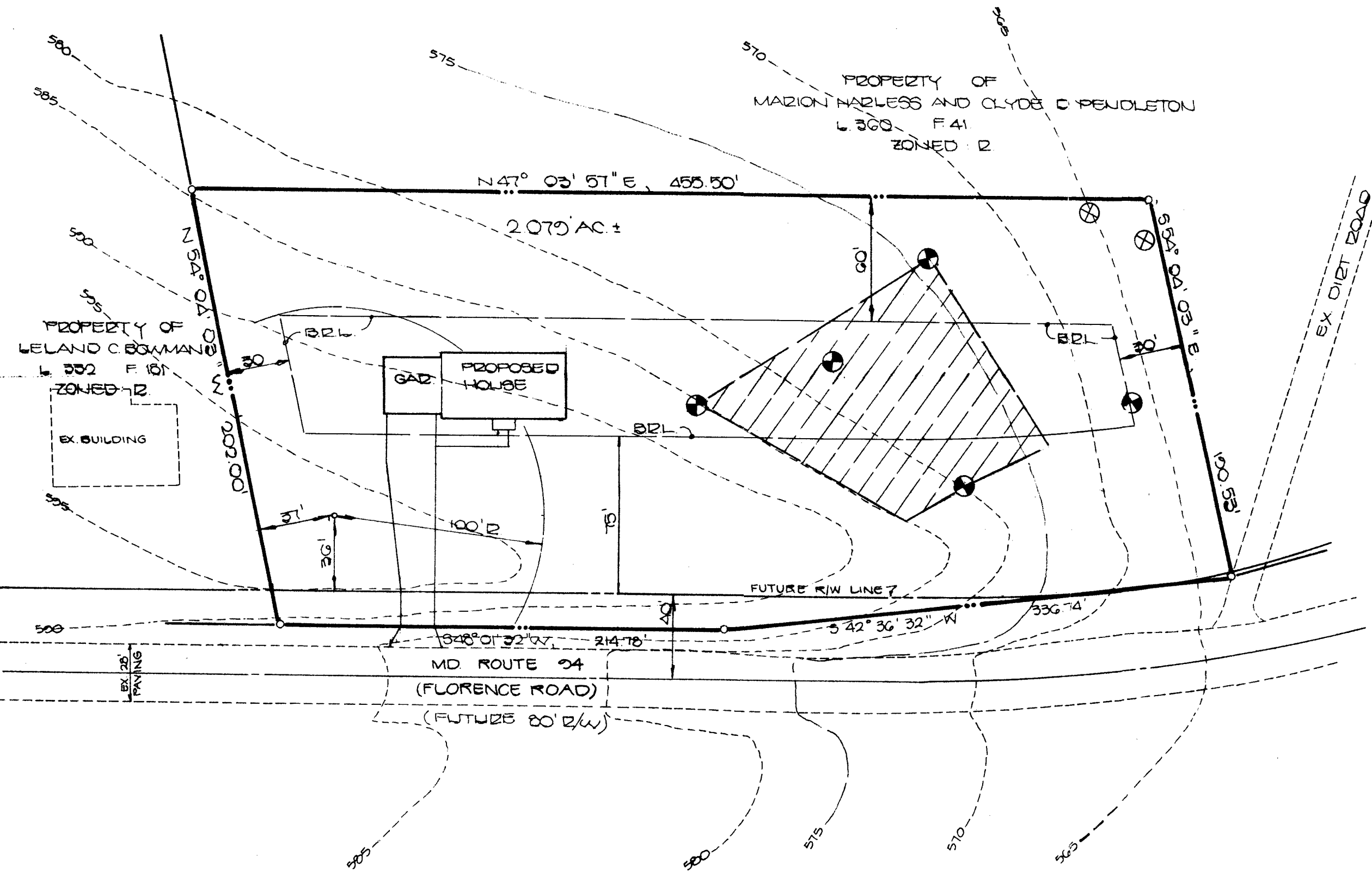
TYPE OF SOIL 45" higher

TESTED BY S. Abol ALSO PRESENT JOHN SRENI



VICINITY MAP  
SCALE 1"=2000'

- LEGEND**
- ⊕ FAILED TEST
  - ⊙ APPROVED TEST



PLAN  
1"=50'

**GENERAL NOTES**

- 1) PROPERTY AREA: 2.07 ACRES
- 2) PROPERTY ZONED: RURAL (3 ACRES)
- 3) PRIVATE WATER SUPPLY AND SEWAGE DISPOSAL SYSTEM.
- 4) SETBACKS: FRONT = 75'  
SIDE = 60' STREET  
REAR = 30'  
REAR = 60'
- 5) THIS AREA DESIGNATES A PRIVATE SEWAGE EASEMENT OF 10,000 SQUARE FEET AS REQUIRED BY THE MARYLAND STATE DEPARTMENT OF HEALTH AND MENTAL HYGIENE FOR INDIVIDUAL SEWAGE DISPOSAL. IMPROVEMENTS OF ANY NATURE IN THIS AREA ARE RESTRICTED UNTIL PUBLIC SEWAGE SYSTEM 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 EASEMENT. RECORDATION OF A MODIFIED SEWAGE EASEMENT SHALL NOT BE NECESSARY. PERCOLATION TEST HOLES SHOWN HEREON HAVE BEEN FIELD LOCATED AS SHOWN. THE LOTS SHOWN HEREON COMPLY WITH THE MINIMUM OWNERSHIP WIDTH AND LOT AREAS AS REQUIRED BY THE MARYLAND STATE DEPARTMENT OF HEALTH AND MENTAL HYGIENE.

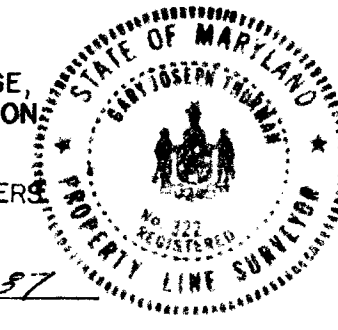
APPROVED FOR WATER AND SEWAGE DISPOSAL SYSTEMS - HOWARD COUNTY DEPARTMENT OF ENVIRONMENTAL HEALTH.

*Joyce Boyd* 12-31-87  
COUNTY HEALTH OFFICER DATE

**SURVEYOR'S CERTIFICATE**

I HEREBY CERTIFY THAT TO THE BEST OF MY KNOWLEDGE, INFORMATION AND BELIEF THE PERC TESTS SHOWN HEREON ARE CORRECT THAT THEY WERE LOCATED BY A FIELD SURVEY AND ARE ON THE SUBJECT PROPERTY. THIS DOES NOT CERTIFY TO THE ACTUAL TEST PERFORMED BY OTHERS.

*Gary Thurman* 13-Dec-87  
GARY THURMAN REGISTERED PROPERTY LINE SURVEYOR MARYLAND LICENSE # 322 DATE

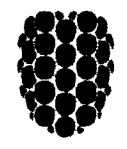


PERCOLATION PLAT  
PROPERTY OF

**PENDLETON FARM**

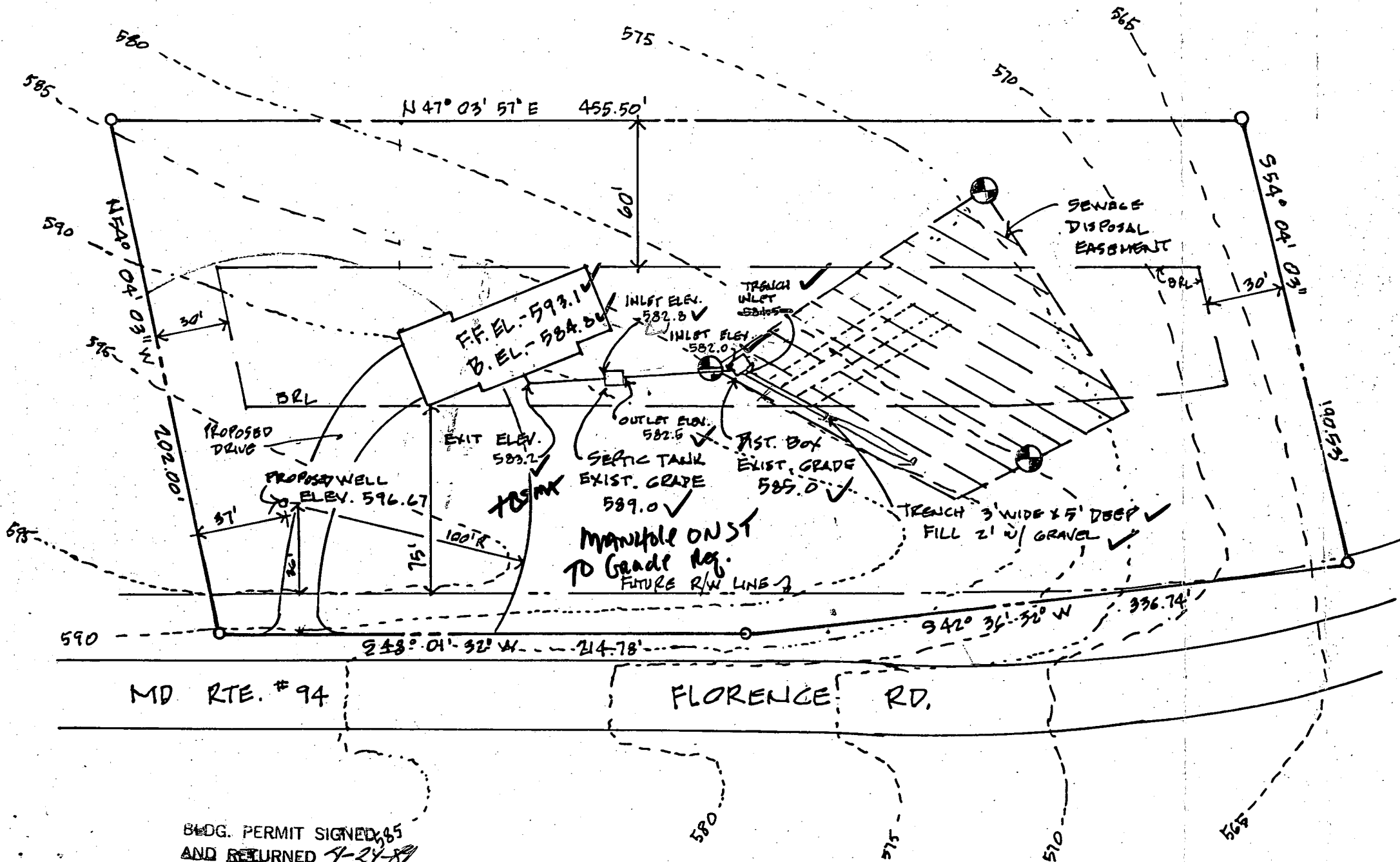
4TH ELECTION DISTRICT  
HOWARD COUNTY, MARYLAND  
SCALE: AS SHOWN  
DATE: DECEMBER 22, 1987

**Dewberry & Davis**  
ARCHITECTS ENGINEERS PLANNERS SURVEYORS



3300 N. Ridge Road  
Suite 100  
Ellicott City, Maryland  
21043

(301) 461-7478 BALTIMORE  
(301) 621-4970 WASHINGTON



BLDG. PERMIT SIGNED 65  
 AND RETURNED 4-24-89  
 BP 24736  
 SA

HOUSE LOCATION PLAN  
 WILLOWDALE LOT # 2  
 PENDLETON FARM - 4TH ELECT. DIST.  
 1" = 50'  
 2.6.89  
 REV 4.18.89

B 1 7927 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

8819  
HO-88-0419  
fill in this form completely

Date Received (APA)

02/17/89

OWNER INFORMATION

WILLOW LIMITED PART, INC.

10480 LITTLE PATUXENT

COLUMBIA MD 21014

DRILLER INFORMATION

Ralph Wayne 973  
Driller's Name License No. 80

Ralph Wayne (well drilling)  
Firm Name

9120 Grove Church Rd. MD 21014  
Address

Ralph Wayne 2/10/89  
Signature Date

WELL INFORMATION

APPROX. PUMPING RATE (GAL. PER MIN.) 5

AVERAGE DAILY QUANTITY NEEDED (GAL. PER DAY) 500

USE FOR WATER (CIRCLE APPROPRIATE BOX)

- D HOME (SINGLE OR DOUBLE HOUSEHOLD UNIT ONLY)
F FARMING (LIVESTOCK WATERING & AGRICULTURAL IRRIGATION)
I INDUSTRIAL, COMMERCIAL, STATE AND FEDERAL GOV. OTHER (REQUIRES APPROPRIATION PERMIT)
P PUBLIC OR PRIVATE WATER COMPANY (REQUIRES APPROPRIATION PERMIT AND STATE HEALTH DEPARTMENT APPROVAL)
T TEST, OBSERVATION, MONITORING (MAY REQUIRE APPROPRIATION PERMIT)

APPROXIMATE DEPTH OF WELL 150 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

REPLACEMENT OR DEEPEMED 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 DEEPEM AN EXISTING WELL

APPROP. PERMIT NUMBER GAP

FORCE SA PERMIT NO. HO-88-0419

SPECIAL CONDITIONS 995-3638

LOCATION OF WELL

HOWARD COUNTY (as Howard Co.)

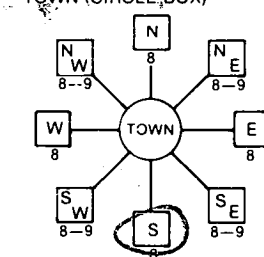
RENDLETON FARMS

SECTION LOT 2

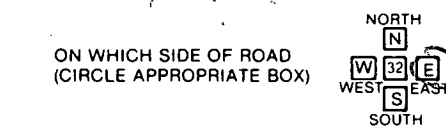
LISBON

MILES FROM TOWN (enter 0 if in town) 2 MI

DIRECTION OF WELL FROM TOWN (CIRCLE BOX)



ELLENOR RD. NEAR WHAT ROAD



DISTANCE FROM ROAD 50 FT

NOT TO BE FILLED IN BY DRILLER HEALTH DEPARTMENT APPROVAL

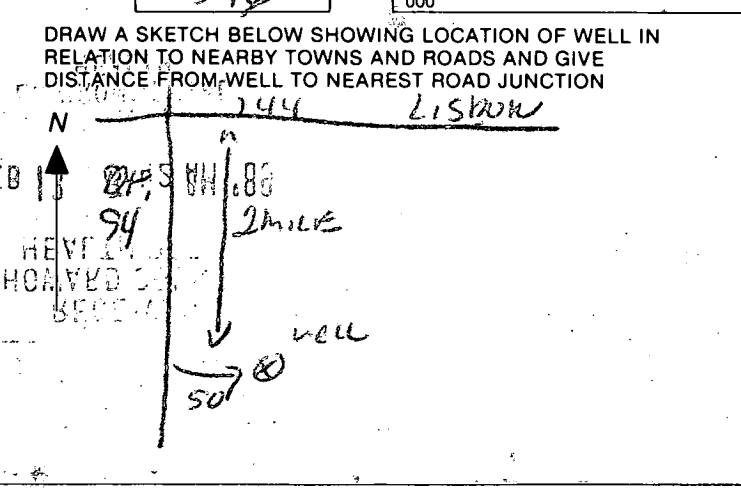
Howard A-39980 COUNTY NAME COUNTY NO.

STATE SIGNATURE DATE ISSUED

022289 Friday 08-21-89 CO SIGNATURE EXP. DATE

NORTH GRID 545000 EAST GRID 0777000

SHOW MAJOR FEATURES OF BOX & LOCATE WELL WITH AN X
SOURCES OF DRILLING WATER
1. well
2. 19 ft open
3. 21 ft casing
5. bag cement
1 ft above grade
location ok
15 Nadeau



**C1** **8414** SEQUENCE NO. (DENV. USE ONLY)  
 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

WELL REPORT MUST BE SUBMITTED WITHIN 45 DAYS AFTER WELL IS COMPLETED.  
 COUNTY NUMBER **A-39980**

DATE Received  
 8 13

DATE WELL COMPLETED  
 15 20  
**09/11/89**

Depth of Well  
 22 26  
**205**  
 (TO NEAREST FOOT)

PERMIT NO.  
 FROM "PERMIT TO DRILL WELL"  
**MC-88-0919**  
 28 29 30 31 32 33 34 35 36 37

OWNER **Willow Limited Partnership**  
 STREET OR RFD last name **ELORENCE** RD first name TOWN **LISBON**  
 SUBDIVISION **WILLOW DALE** SECTION LOT **2**

**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	
Top Soil	0	2	
Brown Shale	2	10	
Brown Slate	10	15	
Blue Slate	15	40	
Brown Slate	40	45	✓
Blue Slate	45	120	
Flint rock	120	125	✓
Blue Slate	125	205	

**GROUTING RECORD**  
 WELL HAS BEEN GROUTED (Circle Appropriate Box) **Y** **N**  
 TYPE OF GROUTING MATERIAL  
 CEMENT **CM** BENTONITE CLAY **BC**  
 NO. OF BAGS **5** NO. OF ROUNDS **500**  
 GALLONS OF WATER **30**  
 DEPTH OF GROUT SEAL (to nearest foot)  
 from **0** ft. to **19** ft.  
 (enter 0 if from surface)

**CASING RECORD**  
 casing types insert appropriate code below  
**ST CO PL OT**  
 STEEL CONCRETE PLASTIC OTHER  
 MAIN CASING TYPE Nominal diameter top (main) casing (nearest inch) Total depth of main casing (nearest foot)  
**PL A 0**

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

**SCREEN RECORD**  
 screen type or open hole insert appropriate code below  
**ST BR HO PL OT**  
 STEEL BRASS OPEN HOLE PLASTIC OTHER

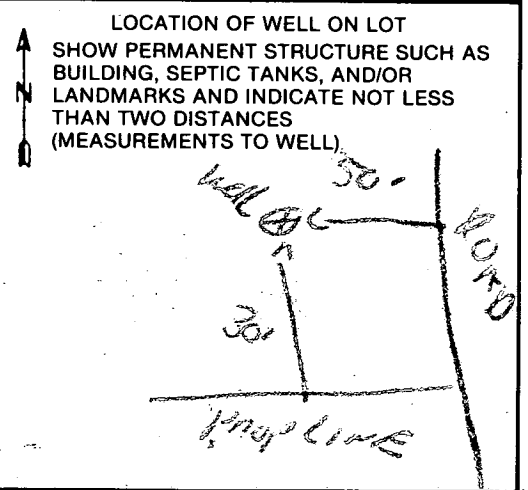
**C2**  
 DEPTH (nearest ft.)  
 EACH SCREEN  
 1 **HO** 11 15 17 21  
 2 23 24 26 30 32 36  
 3 38 39 41 45 47 51  
 SLOT SIZE 1 2 3  
 DIAMETER OF SCREEN (NEAREST INCH)  
 from to

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  
 70 72 74 75 76  
 TELESCOPE CASING LOG INDICATOR OTHER DATA

**C3**  
**PUMPING TEST**  
 HOURS PUMPED (nearest hour) **3**  
 PUMPING RATE (gal. per min. to nearest gal.) **10**  
 METHOD USED TO MEASURE PUMPING RATE **bucket**  
 WATER LEVEL (distance from land surface)  
 BEFORE PUMPING **42**  
 WHEN PUMPING **43**  
 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**  
 (CIRCLE) (YES or 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 } **2** (nearest foot)



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. **273**  
**Yvonne Mayes**  
 DRILLERS SIGNATURE (MUST MATCH SIGNATURE ON APPLICATION)  
 SITE SUPERVISOR (sign. of driller or journeyman responsible for sitework if different from permittee)