

03-311583

# PERMIT

SEWAGE DISPOSAL SYSTEM

MARYLAND STATE DEPARTMENT OF HEALTH

P 39485

A 37674

DISTRICT 3rd

DATE 6/17/87

DATE SYSTEM APPROVED 7/8/87

INSPECTOR BJT

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

**INDEXED**

Bob Yo IS PERMITTED TO INSTALL  ALTER

ADDRESS \_\_\_\_\_ PHONE 730-5273

SUBDIVISION \_\_\_\_\_ ROAD 11105 DORSCH FARM ROAD LOT 1 PARCEL A

PROPERTY OWNER Phillip Carroll Property C. SCRIVENER

ADDRESS \_\_\_\_\_

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

GARBAGE GRINDER? YES  NO

800

SEPTIC TANK CAPACITY 1250 GALLONS NUMBER OF BEDROOMS 4

TRENCHES - 200 sq. ft. per bedroom. Trench to be 2 feet wide. Inlet 4½ feet below original grade. Bottom maximum depth 8½ feet below original grade. Effective area begins at 4½ feet below original grade. 4 feet of stone below distribution pipe.

LOCATION - Beginning from the left rear lot corner, place first trench 130 feet down the left (450.14') lot line and 120 feet off the left lot line as seen when viewing property from Manor Lane. Run trenches along contour towards the right lot line. NOTE: BE SURE TO MAINTAIN MINIMUM 100 FEET FROM WELL TO SEPTIC.

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

PLANS APPROVED BY B. Nixon DATE 11/25/86

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 APROVAL ON THIS PERMIT**

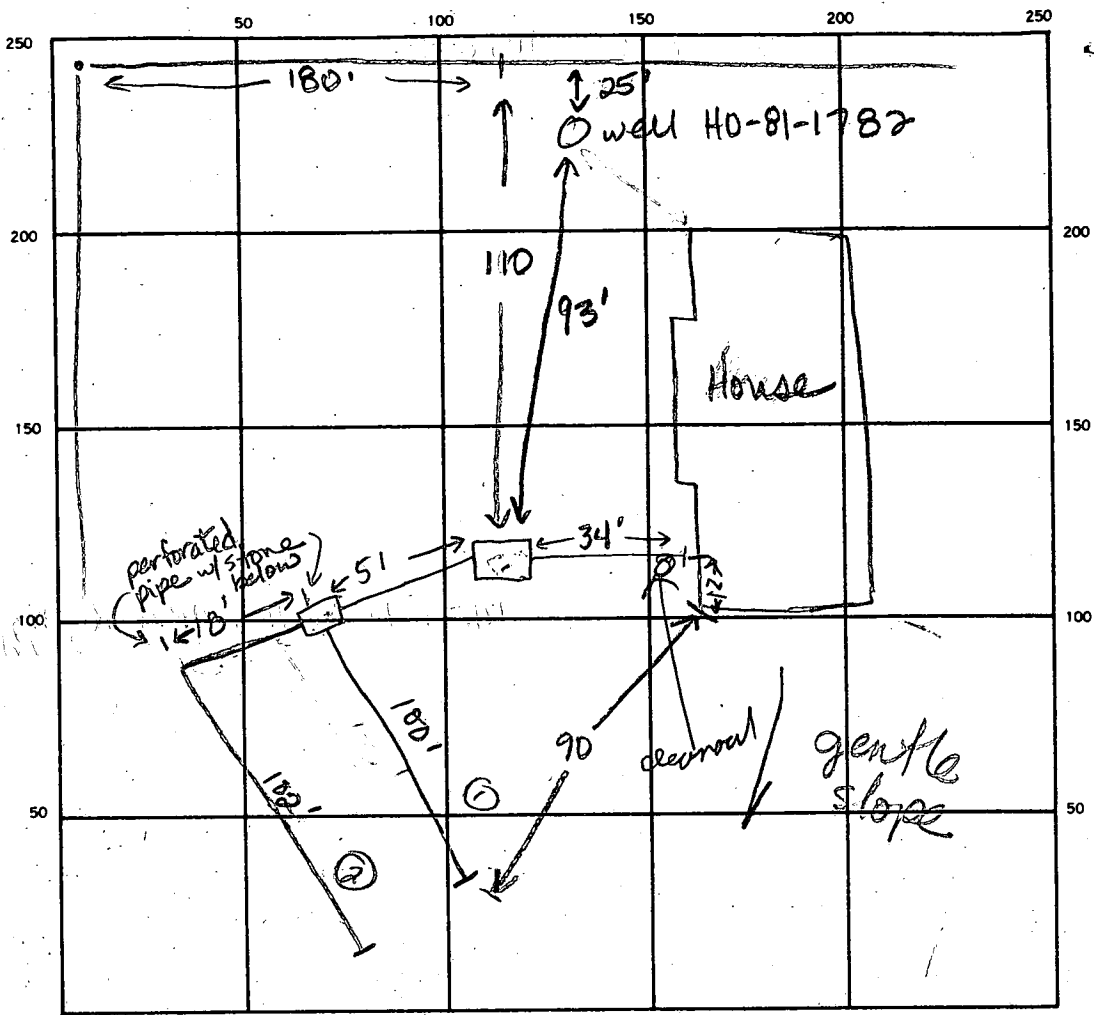
\*CALL 461-9933 FOR INSPECTION OF SEPTIC SYSTEMS.

EH - 2-1186

7/8/87  
AM 10:40

A 37674

36  
24  
47  
72  
86



Manor Lane

200  
41800 sq ft

INDICATE NORTH. — NAME ADJOINING ROADWAY AS BASE LINE.

Route 108

House Sewer  
OK OK

SEPTIC TANK LEVEL 1500

CLEANOUTS

DISTRIBUTION BOX LEVEL OK

DRAIN FIELD/TILE FIELD DEPTH 9.5 8.5 FT.

TRENCH WIDTH 2 FT.

INLET DEPTH 3.5 3.5 FT.

EFFECTIVE GRAVEL DEPTH 5.5 5.0 FT.

TOTAL LENGTH 180 102 FT. = 202

ONE SIDEWALL/BOTTOM AREA 550 510 SQ. FT.

102	180
5	5.5
510	500
550	500
106	550

NUMBER OF TRENCHES 2

ONE SIDEWALL/BOTTOM AREA 550 510 SQ. FT.

DRYWELL INSIDE DIAMETER \_\_\_\_\_ FT.

EFFECTIVE DEPTH BELOW INLET \_\_\_\_\_ FT.

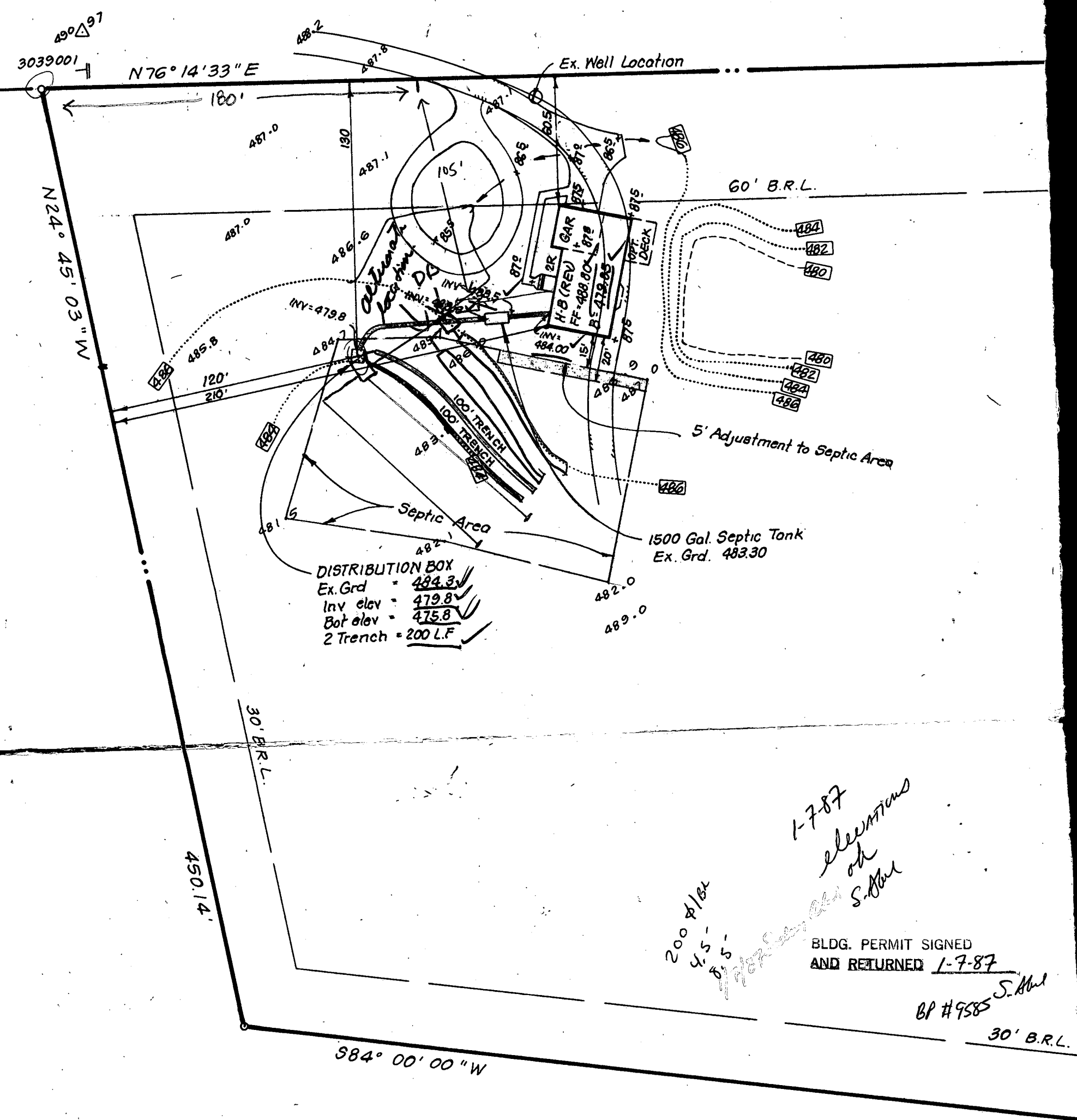
ABSORBENT AREA 1060 SQ. FT.

REMARKS 6-18-87 Both trenches excavated. Line from dist. box to 2nd trench perforated w/ 4ft effective depth of stone below. Must excavate trench (2) to 8.5 ft before filling w/ stone. Plumber will call re: connecting line to house. JEN. 6-18-87  
6-18-87 OK to cover trench (2) and fill trench (1) with stone and pipe. JEN  
6-19-87 OK to cover trench (1) and add plastic. Needs st cleanout and house connection. JEN

DATE SYSTEM APPROVED 7/8/87

INSPECTOR J. Rodger

103



DISTRIBUTION BOX  
 Ex. Grd = 484.3  
 Inv elev = 479.8  
 Bot elev = 475.8  
 2 Trench = 200 L.F.

1-7-87  
 elevations  
 ok  
 S. Hall

200 4/18  
 4.5 -  
 8.5 -

BLDG. PERMIT SIGNED  
 AND RETURNED 1-7-87

BP #9585 S. Hall

30' B.R.L.

**LEGEND :**

- 1. Contour Interval      2 Ft.
- 2. Existing Contour    - - - - - 480
- 3. Proposed Contour    - - - - - 480
- 4. Spot Elevation      + 80 ±

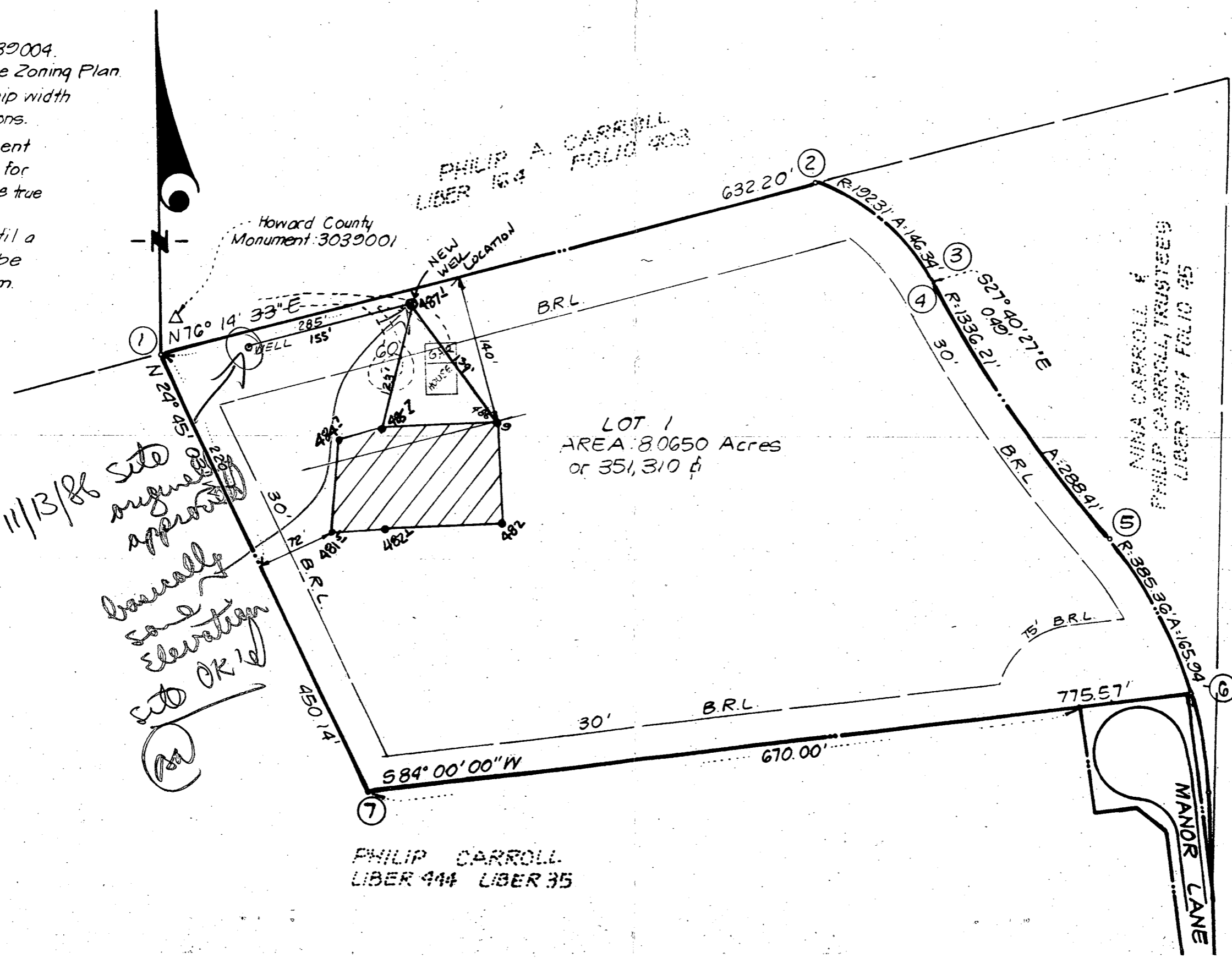
PHILIP  
 LIBER 444      GARRO  
 FOLIO

### CURVE DATA

N <sup>o</sup> s	RADIUS	Δ	ARC	TAN	CHORD	BEARING
2.3	192.31	43°35'53"	146.34	76.92	142.84	S49°28'27"E
4.5	1336.21	12°22'00"	288.41	144.77	287.85	S33°51'27"E
5.6	385.36	24°40'20"	165.94	84.28	164.66	S27°42'17"E

21.  
 e Maryland State Plane  
 monuments # 3039001 & 2939004.  
 Per 8-2-85 Comprehensive Zoning Plan.  
 lies with minimum ownership width  
 State Dept of Health Regulations.  
 9 ft. private sewage easement  
 MD State Dept. of Health for  
 disposal; the denotes the true  
 ved percolation tests.  
 his area are restricted until a  
 able. This easement to be  
 a public sewage system.

*11/13/88 site  
 original  
 approved  
 basically  
 same  
 elevation  
 site OK*



PHILIP CARROLL  
 LIBER 944 LIBER 35

MANOR LANE ASSOC.  
 LIBER 968 FOLIO 330  
 P. 19

NINA CARROLL &  
 PHILIP CARROLL, TRUSTEES  
 LIBER 307 FOLIO 95



# APPLICATION

PERCOLATION TESTING

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

*10/1/86  
perc OK'd  
next approval  
S*

A 37674  
P \_\_\_\_\_  
DISTRICT 3  
DATE 9/18/86

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 Phillip Carroll

ADDRESS Ellicott City, MD. 21043 PHONE Contact Larry Kinsey 997-8800

PROSPECTIVE BUYER N/A

ADDRESS \_\_\_\_\_ PHONE \_\_\_\_\_

PROPERTY LOCATION:

SUBDIVISION Part of the Phillip Carroll Property LOT NO. 1

ROAD AND DESCRIPTION 4400 Manor Lane (Tenant Farms)

BLDG. PERMIT SIGNED  
AND RETURNED 1-7-87  
*SKW*

TAX MAP 23 & 29 PARCEL # 21

SIZE OF LOT ~~109.94~~ Acres 8.065 ACRES TYPE BLDG. Single Family Dwelling  
(SINGLE FAMILY DWELLING OR COMMERCIAL)

*CP# 9585*

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.

(SIGNATURE OF APPLICANT)

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

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

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

REASONS FOR REJECTION OR HOLDING certified plot w/ field located below

# THIS IS NOT A PERMIT

200 lb / BORM

INLET 4 1/2

MAX D. 8 1/2 - 9'

X 14" MIN

(P)

SOIL PROFILE

orange/yellow hard powdery clay to clay loam

changing to mix of powdery gritty sandy loam

12' small frags hard sandstone 14'D

(2)

orange/brown clay to clay loam 4 1/2'

tan/brown silty mica loam

w/ 5% frags sandstone - 2' rock

13'D

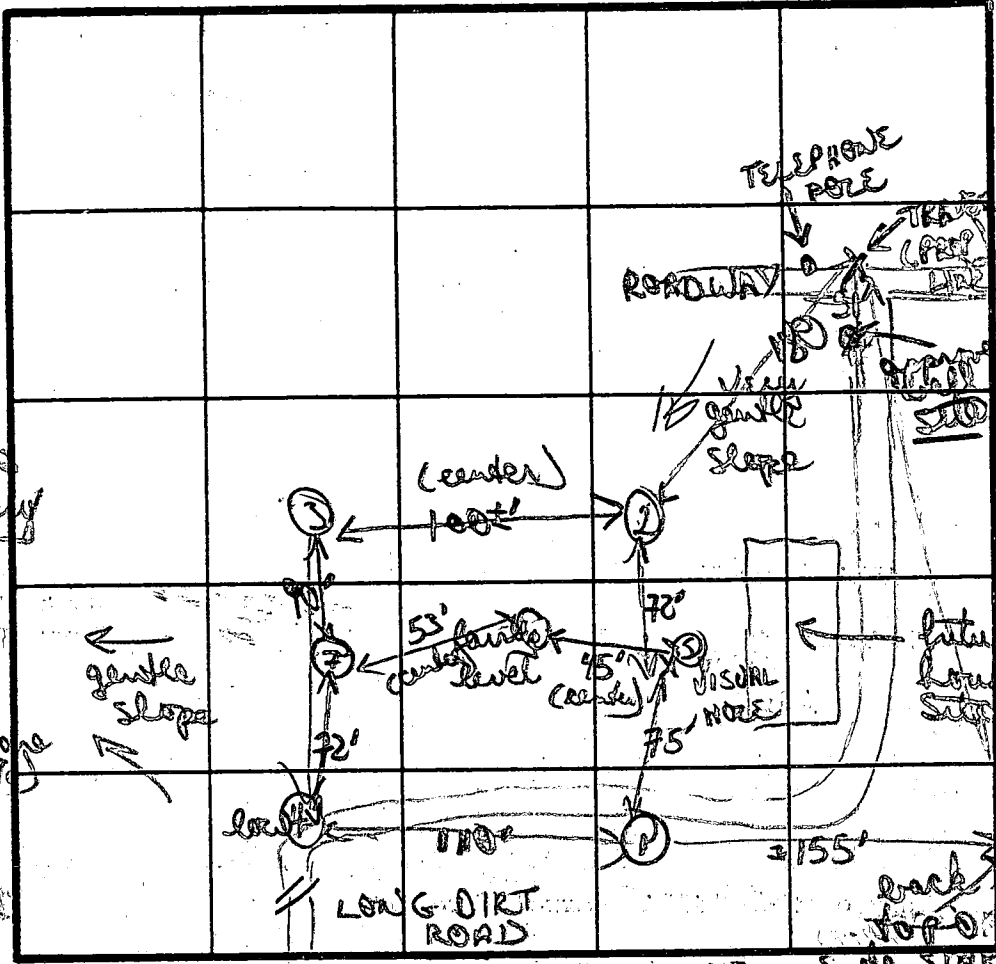
(3)

red/orange clay to clay loam

changing to powdery tan silty mica loam

w/ 5-10% small red frags sandstone

12'D



(6)  
orange/tan silty mica loam  
to brown silty mica loam  
15'D  
(4)

brown powdery gritty mica sandy silty loam  
- 3' layers hard sandstone type w/ frags 5%  
brown sandy loam w/ 10% small rock

12'D VISUALS  
5 1/2'

INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME	
			START	STOP	START	STOP		
10/1/86	(1)	5'S	138	142	142	151	9 MIN	
		14'D	bottom (see profile)					
	(2)	5'S	201	217	217	245	28 MIN	
		13'D	bottom (see profile)					
	(3)	4 1/2'S	208	223	223	250	27 MIN	
		12'D	bottom (see profile)					
	(6)	4 1/2'	218	222	220	224	4 MIN	
		15'D	bottom (see profile)					
	(4)	4 1/2'S	229	231	231	234	3 MIN	
		12'D	bottom (see profile)					

soils fairly uniform; well site picked & approved

REMARKS

orange/red clay to clay loam; below mostly tan silty mica loam w/ 5-10% sandstone

TYPE OF SOIL

TESTED BY

B. Wilson

ALSO PRESENT

# HOWARD COUNTY HEALTH DEPARTMENT

JOYCE M. BOYD, M.D., M.P.H.  
COUNTY HEALTH OFFICER



Bureau of Environmental Health  
3525 Ellicott Mills Drive  
Ellicott City, Maryland 21043

Director - 461-9956  
Water & Sewerage, Permits - 461-9933  
Community Environmental Health - 461-9944  
Technical Services - 461-9955

October 3, 1986

Williamsburg Builders  
P. O. Box 1018  
Columbia, Maryland 21044

Attention: Larry Kinsey

RE: Philip Carrol Property  
Tax Map 23 & 29  
Lot 1 (part of Parcel 21)  
Repair area on Parcel 21

Dear Mr. Kinsey:

Percolation testing conducted October 1, 1986 on the above referenced property indicated satisfactory soil conditions.

Approval is contingent upon submission by a registered engineer of a plat showing certified test hole locations and a suitable house and well site. This plat should address well and septic location for proposed Lot 1 as well as for the closest tenant house.

This should be submitted within sixty (60) days to allow field verification if necessary.

If you have any questions regarding this matter, please feel free to contact me at the above address or by calling 461-9933.

Very truly yours,

A handwritten signature in cursive script that reads "Craig Williams".

Craig Williams, Director  
Water and Sewerage Program

CW:JR



B 1 **1501** SEQUENCE NO. (OEP USE ONLY)  
 (THIS NUMBER IS TO BE PUNCHED IN COLS. 3-6 ON ALL CARDS)

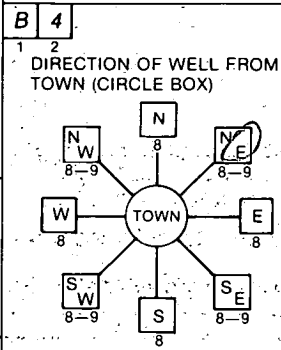
STATE OF MARYLAND  
 PERMIT TO DRILL WELL  
 please print or type

OEP PERMIT NUMBER  
**140-81-1782**  
 fill in this form completely

Date Received  
 OWNER INFORMATION  
 HALLMARK AMIADERS  
 BOYD  
 COLUMBIA MD 21044

B 3 LOCATION OF WELL  
 HANOVER COUNTY  
 CHANCE  
 SECTION 44 46 LOT 48 50  
 FLICKER  
 MILES FROM TOWN (enter 0 if in town) 1 3/4 MI

DRILLER INFORMATION  
 Joseph L. Wagner  
 Joseph L. Wagner Well Drilling  
 5512 Ridge Rd. Mt. Airy, Md 21771  
 Joseph L. Wagner 11/7/86



Manor Lane  
 NEAR WHAT ROAD  
 ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX)  
 DISTANCE FROM ROAD 850 FT  
 ENTER FT or MI FT

B 2 WELL INFORMATION  
 APPROX. PUMPING RATE (GAL. PER MIN.) 5  
 AVERAGE DAILY QUANTITY NEEDED (GAL. PER DAY) SEC

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 A-37674 COUNTY NO.  
 OEP SIGNATURE STATE HEALTH INSERT S  
 DATE ISSUED 112186 CO SIGNATURE Schmitt 05-21-87 EXP. DATE  
 NORTH GRID 5160000 EAST GRID 0830000

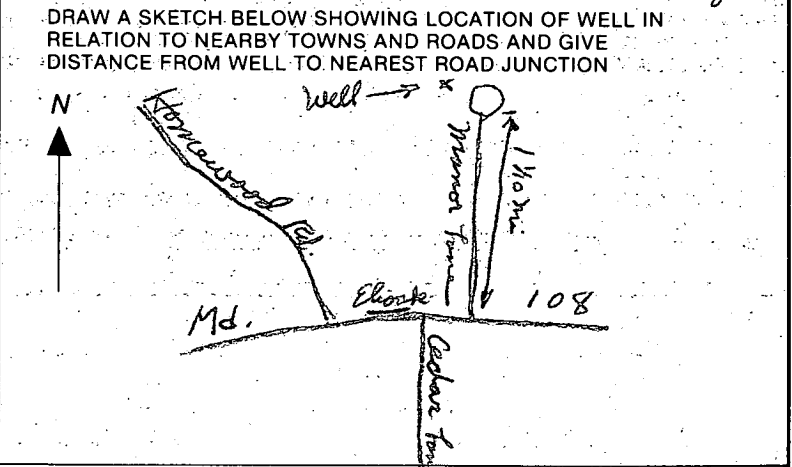
APPROXIMATE DEPTH OF WELL 240 FEET

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  
 other

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  
 E 8300  
 N 5106  
 12/17/86

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 DEEPM 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 SA WRITE INITIALS IN BOX PERMIT No. 140-81-1782

SPECIAL CONDITIONS



# HOWARD COUNTY HEALTH DEPARTMENT

JOYCE M. BOYD, M.D., M.P.H.  
COUNTY HEALTH OFFICER



Bureau of Environmental Health  
3525 Ellicott Mills Drive  
Ellicott City, Maryland 21043

Director - 461-9956  
Water & Sewerage, Permits - 461-9933  
Community Environmental Health - 461-9944  
Technical Services - 461-9955  
October 21, 1987

*Coffey gives  
P.C. 10/21/87*

Mr. Phillip Carroll  
4400 Manor Lane  
Ellicott City, Maryland 21043

RE: Phillip Carroll Property  
Lot 1 - Manor Lane

Dear Mr. Carroll:

This is to advise you that the septic system was installed, inspected and approved on July 8, 1987.

The water sample recently submitted for testing was free of coliform and fecal coliform bacteria at the time of sampling and is bacteriologically safe for drinking.

The nitrate sample result was previously documented to be 10.0 parts per million. A nitrate device has been installed to treat the previously documented excessive nitrate contamination. The nitrate removal system appears to be operating properly as evidenced by the recent water sample taken on September 8, 1987.

COMAR 10.17.13.09 prohibits approval of any water supply with a nitrate-nitrogen contaminant level in excess of 10 parts per million. This department will grant a permanent deviation to that section of the regulation on condition that the nitrate removal system effectively maintains the nitrate-nitrogen contaminant level below the 10 parts per million requirement.

Furthermore, it will be necessary for you to continue to comply with the following conditions:

1. The system must be properly operated and maintained continuously, in accordance with the service contract for the life of the residence. You must supply this department with a copy of that contact.
2. It is recommended that a yearly nitrate analysis be performed.
3. If, in the future, you decide to sell or rent your home, you must make any potential buyer/tenant aware of the above condition.