

7-1-97  
before noon  
7/10/97  
WPI - after 9am

# PERMIT

## SEWAGE DISPOSAL SYSTEM

### DEPARTMENT OF HEALTH AND MENTAL HYGIENE

P 58498

A 49667-A

DISTRICT 5th

DATE 6/5/97

DATE SYSTEM APPROVED 10/21/97

INSPECTOR M. Pitkin

INDEXED

05-418011

HOWARD COUNTY HEALTH DEPARTMENT

BUREAU OF ENVIRONMENTAL HEALTH

XXXXXXXXXX 313-2640

Adamson Plumbing & Heating

IS PERMITTED TO INSTALL  ALTER

ADDRESS 323 East Watersville Road, Mt. Airy, Maryland 21771 PHONE 301-831-7497

SUBDIVISION Fulton Manor LOT 13 ROAD 12352 Pleasant View Drive

PROPERTY OWNER Mr. and Mrs. Y. Chen

ADDRESS \_\_\_\_\_

SEPTIC TANK CAPACITY 1250 GALLONS

NUMBER OF BEDROOMS 4

210 SQUARE FEET PER BEDROOM

LINEAR FEET OF TRENCH REQUIRED 280

TRENCHES - Trench to be 3 feet wide. Inlet 2½ feet below original grade. Bottom maximum depth 4½ feet below original grade. Effective area begins at 2½ feet below original grade. 2 feet of stone below distribution pipe.

LOCATION - Place distribution box 90 feet up the right lot line (375.67') and 80 feet off that same lot line when facing the lot from Pleasant View Drive. Run trenches on contour in both directions. Maintain 100 feet off well to all parts of septic system.

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

OK KM 5-21-97

PLANS APPROVED BY Amy McMilleGlen Savage

DATE 5/13/97

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, 90° ELBOWS NOT ACCEPTABLE.

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 TRENCH(ES) ARE USED CALL FOR INSPECTION BEFORE AND AFTER PLACING GRAVEL IN TRENCH(ES)

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 35/40 PVC OR ABS

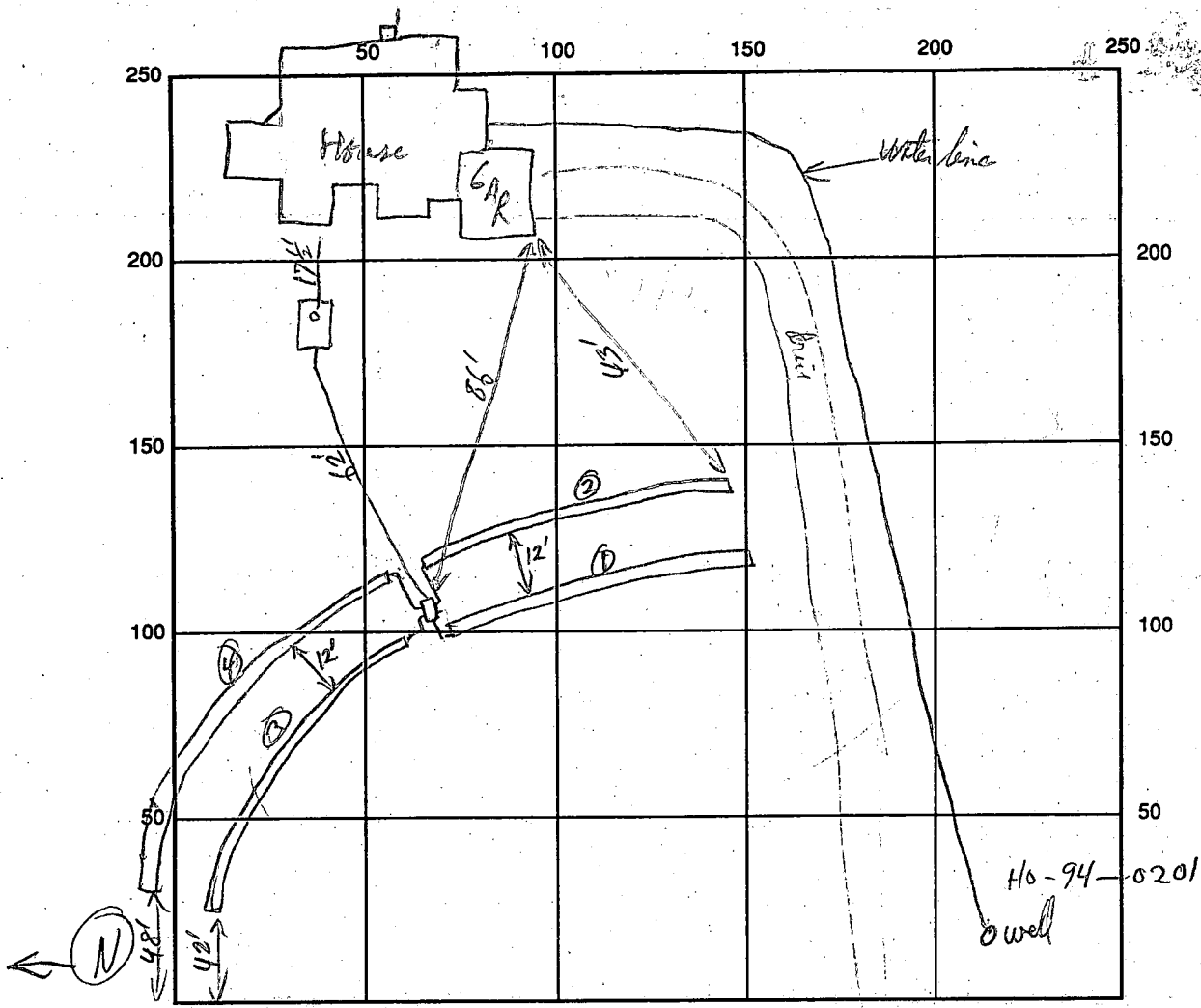
PERMIT VOID AFTER TWO YEARS

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 PVA 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**

A 49667A



SEPTIC TANK LEVEL 1250 gal CLEANOUTS  Set

DISTRIBUTION BOX LEVEL Has automatic backflow - DK

DRAIN FIELD/TITLE DEPTH 4 1/2 FT. TRENCH WIDTH 3 FT. INLET DEPTH 2 1/2 FT.

EFFECTIVE GRAVEL DEPTH 2 FT. TOTAL LENGTH 60' / 80' / 70' / 70' FT. 70'

NUMBER OF TRENCHES 4 ONE SIDEWALL / BOTTOM AREA 840 SQ. FT.

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

ABSORBENT AREA \_\_\_\_\_ SQ. FT.

REMARKS: Trench, Septic Tank & connecting line OK to cover - Needs House Connection 10/17/97  
10/21/97 HOUSE CONN VERIFIED W/BLDR, PLUMBER (W)

WPI - Pitless adapter + water line OK @ 4/18 9/10/97 - Plumber informed OK to cover @ 5/28

DATE SYSTEM APPROVED 10/21/97 INSPECTOR M. Rifkin

# APPLICATION

PERCOLATION TESTING

A 49667A

P \_\_\_\_\_

HOWARD COUNTY HEALTH DEPARTMENT  
BUREAU OF ENVIRONMENTAL HEALTH  
3525-H ELLICOTT MILLS DRIVE/ELLICOTT CITY, MARYLAND 21043  
TELEPHONE: 313-2640

DISTRICT FIFTH

DATE SEPTEMBER, 13

TO: THE COUNTY HEALTH OFFICER  
ELLICOTT CITY, MARYLAND

I HEREBY APPLY FOR THE NECESSARY TEST PRIOR TO APPLICATION FOR PERMIT TO CONSTRUCT (OR RECONSTRUCT) A SEWAGE DISPOSAL SYSTEM.

PROPERTY OWNER OTHA D. UPCHURCH MR. + MRS. V. CHEN

ADDRESS 457 OLD ORCHARD CIRCLE PHONE \_\_\_\_\_

AGENT OR PROSPECTIVE BUYER SALE AS OWNER

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

PROPERTY LOCATION:

SUBDIVISION UPCHURCH PROPERTY (FULTON MAJOR LOT NO. 13

ROAD AND DESCRIPTION 12276 HALL SHOP ROAD (12362 PLEASANT VIEW DRIVE)

HIGHLAND MARYLAND

**SEW. PERMIT SIGNED**

**AND RETURNED**

Serial # B1105291-4Bm

TAX MAP 40 PARCEL # 16A & 205

SIZE OF LOT 60,000 # TYPE BLDG. SINGLE FAMILY DWELLING  
(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.

(SIGNATURE OF APPLICANT)

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

DISAPPROVED BY \_\_\_\_\_ FOR \_\_\_\_\_ DATE \_\_\_\_\_

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

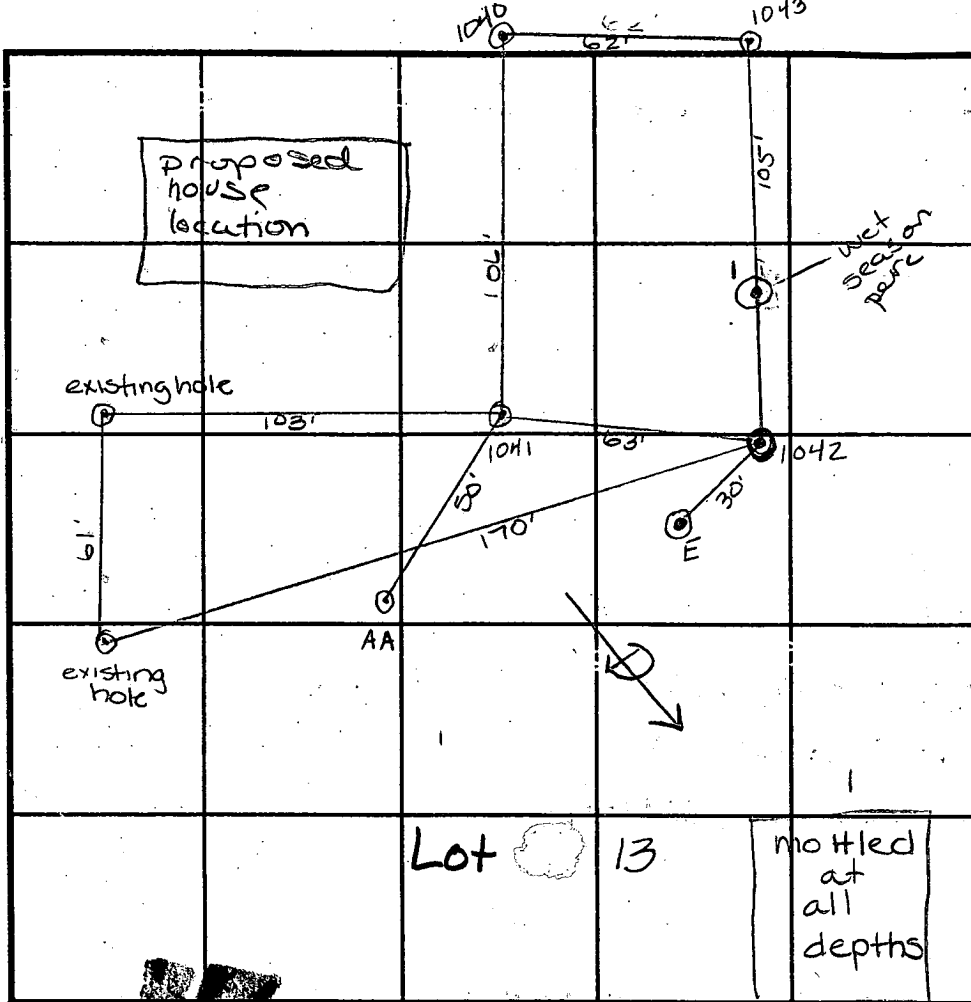
REASONS FOR REJECTION OR HOLDING \_\_\_\_\_

PERCOLATION TEST PLAT/PRELIMINARY PLAT - TITLE OR I.D. # \_\_\_\_\_ DATE \_\_\_\_\_

SITE DEVELOPMENT PLAN/FINAL PLAT - TITLE OR I.D. # \_\_\_\_\_ DATE \_\_\_\_\_

# THIS IS NOT A PERMIT

A49667A  
COUNTY #



SOIL PROFILE

1043

0' red/brn C  
2 1/2' CL brn  
5' sil brn  
10'

SOIL PROFILE

1042

0' red C  
4' brn sil w/ grey mottles throughout  
12' water  
12'

1040

2' brn C  
5' red C  
12' brn sil  
12'

E

12' red C  
5 1/2' lgt red/brn sil  
12' water

DATE	TEST-NO.	DEPTH	PRE-WET		TEST - 1" DROP		MIN. TIME
			START	STOP	START	STOP	
10/15/93	1043	4' / VIO	12:21	12:34	12:34	12:50	16
	1040	Visual	only	passing			OK
	1041	5' / VII	12:38	12:40	12:40	12:42	2
		3' / VII	12:47	12:52	12:52	12:59	7
	1042	Visual	only	Failed - H <sub>2</sub> O at 10ft			FAIL
			or hold	fill wet season			
	E	Visual	only	H <sub>2</sub> O at 12'	or		FAIL
			hold	fill wet season			
	AA	2 1/2' / VII	3:06 <sup>15</sup>	3:07 <sup>45</sup>	3:07 <sup>45</sup>	3:09 <sup>45</sup>	2
2/18/94	1	Visual to 13'					OK

REMARKS Hold for wet season tests

TYPE OF SOIL MA-NOR

TESTED BY Amy McMillen / Craig Williams ALSO PRESENT Olan KieHerman

TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME 12 min TRENCH WIDTH 3'

INLET DEPTH 2 1/2' MAXIMUM BOTTOM DEPTH 4 1/2' SQ. FT./BEDROOM 210 ft<sup>2</sup>

1041 & 1042

3' red C  
brn/red sil  
9' lgt tan SL  
11'



**B 1** **1250** SEQUENCE NO. (DP USE ONLY) **STATE OF MARYLAND** STATE PERMIT NUMBER  
**APPLICATION FOR PERMIT TO DRILL WELL** please print or type **40-94-0201**  
70 fill in this form completely 79

**Date Received (APA)** **082594** **OWNER INFORMATION**  
**FISHER COLLINS CARTER**  
15 Last Name 13 Owner 34 First Name  
**9121 BALT NATL PIKE**  
36 Street or RFD 55  
**ELLICOTT CITY MD 21042**  
57 Town 70 State 72 Zip 76

**DRILLER INFORMATION** MSD/MGD/MWD  
**Ralph Mayne** **116**  
Driller's Name 77 License No. 80  
**Ralph Mayne (well drilling)**  
Firm Name  
**5120 Brown Church Rd. Mt. Airy**  
Address  
**Ralph Mayne 8/19/94**  
Signature Date

**B 2** **WELL INFORMATION**  
**APPROX. PUMPING RATE (GAL. PER MIN.)** **5**  
8 12  
**AVERAGE DAILY QUANTITY NEEDED (GAL. PER DAY)** **500**  
14 20

**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  
24 28  
**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)**  
 **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 - CONTACT LOCAL APPROVING AUTHORITY FOR POLICY ON STANDBY WELLS  
 **D** 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)**  
**APPROX. PERMIT NUMBER** \_\_\_\_\_ **G A P** \_\_\_\_\_  
54 63  
**FORCE** **AM** **WRITE INITIALS IN BOX** **PERMIT No.** **40-94-0201**  
67 88 70 71 72 73 74 75 76 77 78 79

**SPECIAL CONDITIONS** **Wp Church Prop Partnership 410-461-2855**  
**NOTE = APPROVING AUTHORITIES SHOULD USE SEPARATE SHEET IF NEEDED =**

**B 3** **LOCATION OF WELL**  
**HOWARD**  
8 COUNTY 21  
**WPCURCH PROP**  
23 SUBDIVISION 42  
**SECTION** **13** **LOT** **13**  
44 46 48 50  
**HIGLAND**  
52 NEAREST TOWN 71  
**MILES FROM TOWN (enter 0 if in town)** **2** **M I**  
73 76 77 78

**B 4** **DIRECTION OF WELL FROM TOWN (CIRCLE BOX)**  
  
**PLEASANT VIEW DR.**  
11 NEAR WHAT ROAD 30  
**ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX)**  
  
**DISTANCE FROM ROAD** **25**  
34 37  
**ENTER FT OR MI** **FT**  
38 39  
**TAX MAP: \_\_\_\_\_ BLK: \_\_\_\_\_ PARCEL \_\_\_\_\_**

**NOT TO BE FILLED IN BY DRILLER HEALTH DEPARTMENT APPROVAL**  
**HOWARD** **A49667A**  
COUNTY NAME COUNTY NO.  
**STATE SIGNATURE** \_\_\_\_\_ **INSERT S**   
**DATE ISSUED** **090894** **Any McMullen** **9/8/95**  
43 48 CO SIGNATURE EXP DATE  
**NORTH GRID** **488000** **EAST GRID** **0814000**  
50 55 57 63

**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**  
**8104**  
**4808**  
000 000

**DRAW A SKETCH BELOW SHOWING LOCATION OF WELL IN RELATION TO NEARBY TOWNS AND ROADS AND GIVE DISTANCE FROM WELL TO NEAREST ROAD JUNCTION**  
  
**10-11-94**  
**2.00 grout**  
**Grout not complete during inspection**  
**7 bags so far.**  
**Any McMullen**

C1 4552

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 A49667A

DATE RECEIVED

DATE WELL COMPLETED

Depth of Well (TO NEAREST FOOT)

PERMIT NO. FROM "PERMIT TO DRILL WELL"

082594

101194

285

40-94-0201

OWNER FISHER COLLINS - CARTER last name PLEASANT VIEW first name TOWN HIGHLAND SUBDIVISION UPCHURCH PROP SECTION LOT 13

WELL LOG table with columns: DESCRIPTION, FEET (FROM, TO), Check if water bearing. Includes entries for Top Soil, Sand, Sandstone, and Mica.

GROUTING RECORD section including: WELL HAS BEEN GROUTED (Y), TYPE OF GROUTING MATERIAL (CM), BENTONITE CLAY (BC), NO. OF BAGS (14), NO. OF POUNDS (1400).

CASING RECORD section including: casing types (ST, CO, PL, OT), MAIN CASING TYPE (PL), Nominal diameter (6), Total depth (38).

OTHER CASING (if used) section with fields for diameter and depth.

SCREEN RECORD section including: screen type (HO), SLOT SIZE, DIAMETER OF SCREEN.

PUMPING TEST section including: HOURS PUMPED (3), PUMPING RATE (10), METHOD USED TO MEASURE PUMPING RATE (Bucket), WATER LEVEL (24), WHEN PUMPING (34), TYPE OF PUMP USED (S).

PUMP INSTALLED section including: DRILLER WILL INSTALL PUMP (NO), TYPE OF PUMP INSTALLED (S), CAPACITY (GALLONS PER MINUTE), PUMP HORSE POWER, PUMP COLUMN LENGTH, CASING HEIGHT (+ above, - below).

IN HARD ROCK AREAS, IDENTIFY SPECIFICALLY WHERE SATURATED FRACTURES WERE OBSERVED. WELL HYDROFRACTURED (N).

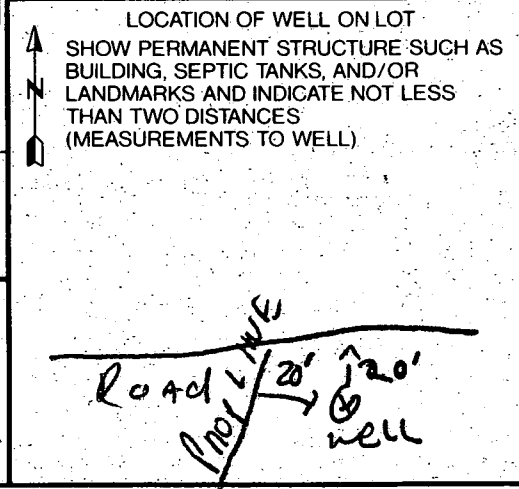
CIRCLE APPROPRIATE LETTER: A WELL WAS ABANDONED AND SEALED WHEN THIS WELL WAS COMPLETED.

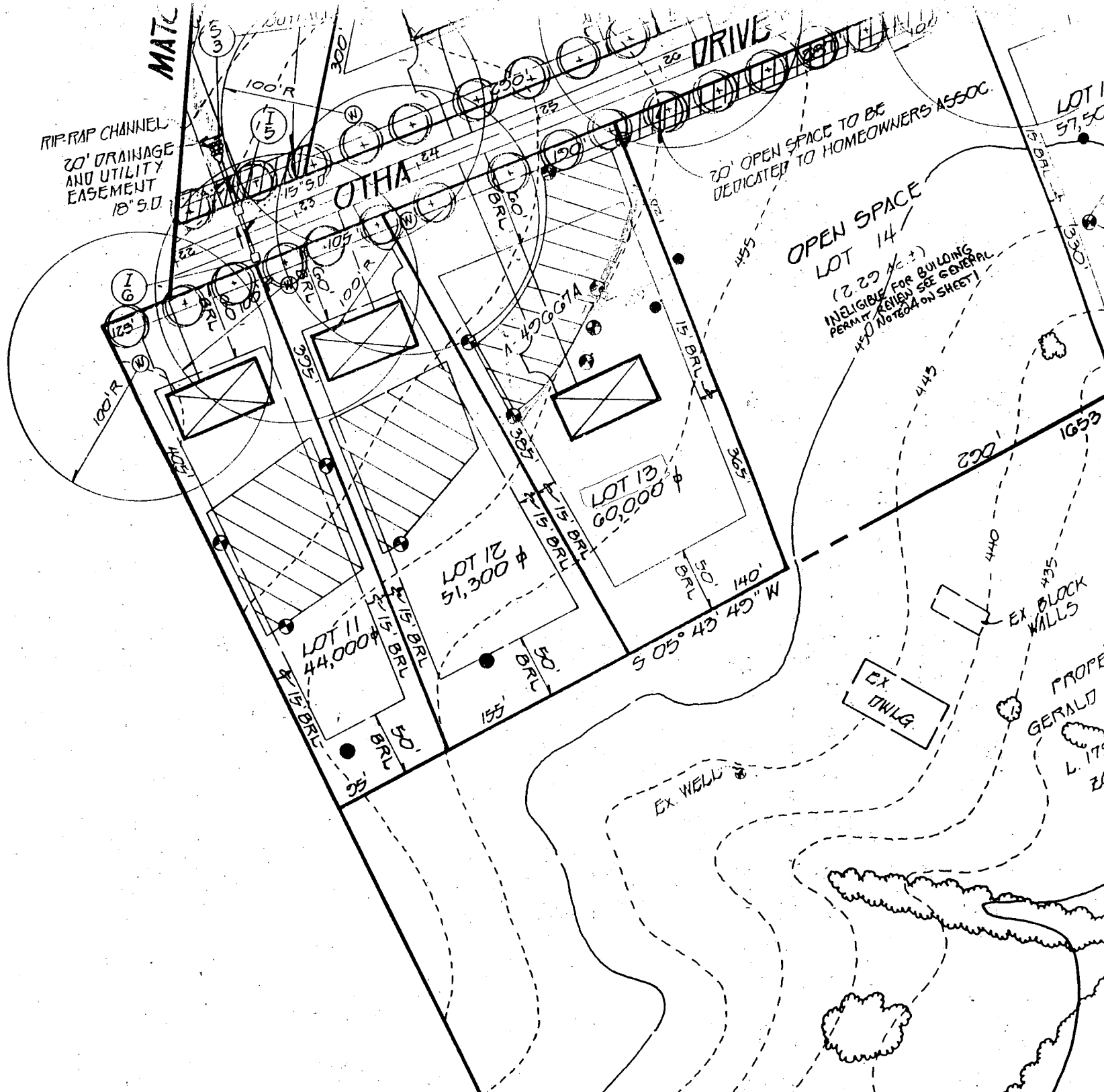
I HEREBY CERTIFY THAT THIS WELL HAS BEEN CONSTRUCTED IN ACCORDANCE WITH COMAR 26.04.04 "WELL CONSTRUCTION"

DRILLERS IDENT. NO. 116, DRILLERS SIGNATURE (Ralph Mays), SITE SUPERVISOR (sign of driller or journeyman responsible for sitework if different from permittee)

DEPTH (nearest ft.) table with columns for depth intervals and a vertical axis for casing and screen.

MDE USE ONLY (NOT TO BE FILLED IN BY DRILLER), GRAVEL PACK, FLOWING WELL INSERT, TELESCOPE CASING, LOG INDICATOR, OTHER DATA.





MATIC

RIP-RAP CHANNEL  
20' DRAINAGE  
AND UTILITY  
EASEMENT  
18" S.O.

DRIVE

20' OPEN SPACE TO BE  
DEDICATED TO HOMEOWNERS ASSOC.

OPEN SPACE  
LOT 14

(2.29 AC ±)  
INELIGIBLE FOR BUILDING  
PERMIT REVIEW SEE GENERAL  
NOTES ON SHEET 1

LOT 13  
60,000

LOT 12  
51,300

LOT 11  
44,000

EX DWLG.

EX. BLOCK  
WALLS

PROPR.  
GERALD  
L. 179

EX. WELL

LOT 15  
57,500

15' BRL

15' BRL

15' BRL

15' BRL

15' BRL

15' BRL

15' BRL

15' BRL

15' BRL

15' BRL

15' BRL

15' BRL

15' BRL

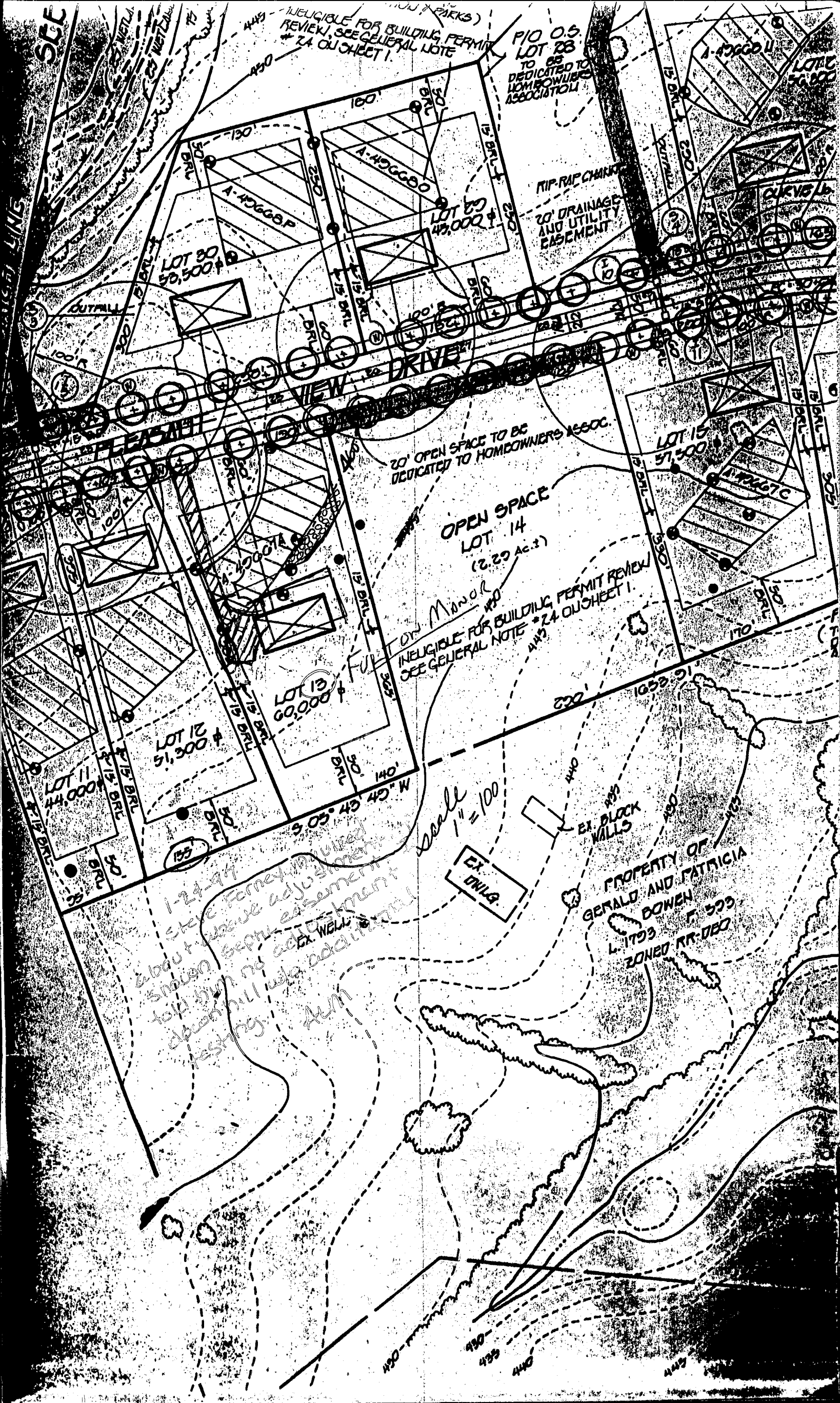
15' BRL

15' BRL

15' BRL

15' BRL

15' BRL



SEE

SEE LINES

INELIGIBLE FOR BUILDING PERMIT REVIEW, SEE GENERAL NOTE # 24 ON SHEET 1

PIO 0.5 LOT 28 TO BE DEDICATED TO HOMEOWNERS ASSOCIATION

LOT 30 50,500

A-496680

LOT 29 49,000

RIP-RAP CHANNEL 20' DRAINAGE AND UTILITY EASEMENT

OUTFALL

VIEW DRIVE

20' OPEN SPACE TO BE DEDICATED TO HOMEOWNERS ASSOC.

OPEN SPACE LOT 14 (2.29 Ac.±)

Minor INELIGIBLE FOR BUILDING PERMIT REVIEW SEE GENERAL NOTE # 24 ON SHEET 1

LOT 13 60,000

LOT 12 51,300

LOT 11 44,000

EX. DRAINAGE

EX. BLOCK WALLS

PROPERTY OF GERALD AND PATRICIA BOWEN L. 1793 P. 599 ZONED RR-DEO

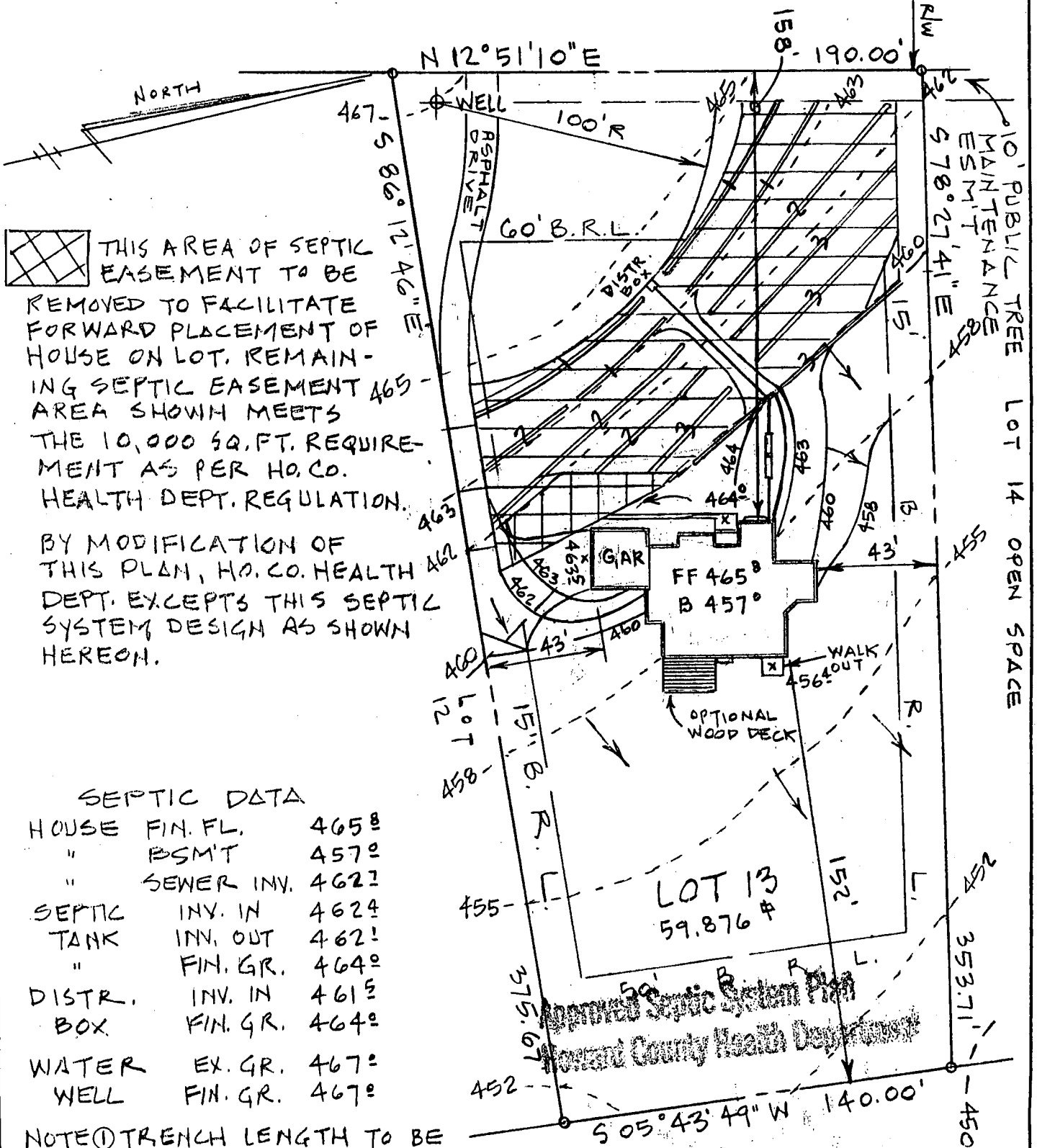
1-24-97 Steve Forney involved about easement adjustment shown before easement shown down hill w/ additional testing. ALM


Scale 1" = 100'

S 03° 43' 45" W

490 485 440 445

# PLEASANT VIEW DRIVE

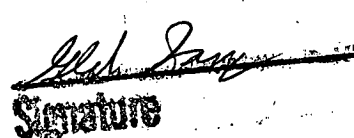


 THIS AREA OF SEPTIC EASEMENT TO BE REMOVED TO FACILITATE FORWARD PLACEMENT OF HOUSE ON LOT. REMAINING SEPTIC EASEMENT AREA SHOWN MEETS THE 10,000 SQ. FT. REQUIREMENT AS PER HO. CO. HEALTH DEPT. REGULATION. BY MODIFICATION OF THIS PLAN, HO. CO. HEALTH DEPT. EXCEPTS THIS SEPTIC SYSTEM DESIGN AS SHOWN HEREON.

SEPTIC DATA

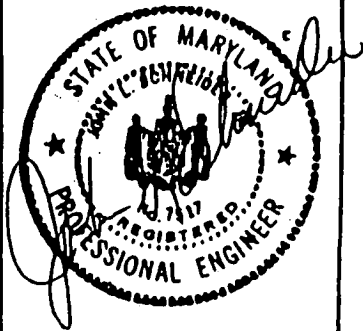
HOUSE FIN. FL.	465 <sup>B</sup>
" BSMT	457 <sup>0</sup>
" SEWER INV.	462 <sup>2</sup>
SEPTIC INV. IN	462 <sup>4</sup>
TANK INV. OUT	462 <sup>1</sup>
" FIN. GR.	464 <sup>0</sup>
DISTR. INV. IN	461 <sup>5</sup>
BOX FIN. GR.	464 <sup>0</sup>
WATER EX. GR.	467 <sup>0</sup>
WELL FIN. GR.	467 <sup>0</sup>

- NOTE ① TRENCH LENGTH TO BE DETERMINED AT TIME OF SEPTIC PERMIT ISSUANCE (280 LF SHOWN)
- ② ADJUSTMENT TO SEPTIC FIELD AT FRONT OF GARAGE AND FILL SHOWN OVER SEPTIC TANK AND SEWER PIPE ARE REQUESTED TO FACILITATE GRAVITY FED SEWAGE SYSTEM.
- ③ DOUBLE SEPTIC TANK SYSTEM SHOWN, IF REQUIRED.

 5-13-92  
Date  
**ENGINEER**  
 JOHN L. SCHNEIDER, P.E.  
 100 N. ROLLING RD.  
 CATONSVILLE, MD. 21228  
 410-744-1945

RECORD PLAT NO 11569

GRADING STUDY	
LOT 13 "FULTON MANOR"	
5 <sup>th</sup> ELECTION DISTRICT HOWARD COUNTY, MARYLAND	
SCALE: 1" = 50'	DATE: MARCH 19, 1997



\* REVISED: MAY 6, 1997