

9/30/80

APPROVED  
SEPT 30 80 RH  
P 30938  
A 28141

# PERMIT

SEWAGE DISPOSAL SYSTEM

MARYLAND STATE DEPARTMENT OF HEALTH\*

HOWARD COUNTY

03-301958

INDEXED

ELLICOTT CITY

DISTRICT 3rd.

Tom Karpowicz

4/2 2230

DATE 9/18/80

Clarence L. Frock

IS PERMITTED TO INSTALL  ALTER

ADDRESS 137 Houck Road, Westminster, Maryland, 21157 PHONE 876-1038

SUBDIVISION Triadelphia Farms II ROAD 13346 <sup>Monte Ridge</sup> Triadelphia Road LOT 9A

PROPERTY OWNER Sandra E. Carlson PHONE: 997-5516

ADDRESS 5009 West Durham Road, Columbia, Maryland 21044

SPECIFICATIONS 3 Bedrooms

SEPTIC TANK CAPACITY 1000 GALLONS

DRAIN FIELD DEPTH FEET, BOTTOM AREA SQ. FT.

DEEP TRENCH DEPTH FEET, BOTTOM AREA SQ. FT.

Dry Well SEEPAGE PITS  ABSORBENT SIDE-WALL AREA 120 SQ. FT. per bedroom

INLET PIPE 3 FT. BELOW ORIGINAL GRADE. MAXIMUM DEPTH 12 FT. BELOW ORIGINAL GRADE

EFFECTIVE DEPTH AT FT. BELOW ORIGINAL GRADE.

LOCATE DISPOSAL AREA 85 FT. FROM back LOT LINE AND 50 FT. FROM right LOT LINE AS SEEN WHEN FACING LOT FROM the back lot line.

NOTE: FOR THE PURPOSE OF THESE SPECIFICATIONS THE BACK LOT LINE IS THE LINE WHICH IS 193.62 FT. LONG.

Okay to use trench off dry well to make up absorbent sidewall area in system. Leave 5 ft. earth buffer between trench and dry well. Trench to follow contour of the land.

PLANS APPROVED BY Raymond Hodges DATE 9/26/80

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: IF TRENCH IS USED CALL FOR INSPECTION BEFORE PLACING GRAVEL IN TRENCH.

NOTE: NO DRY WELL SHALL EXCEED 15 FOOT IN DIAMETER.

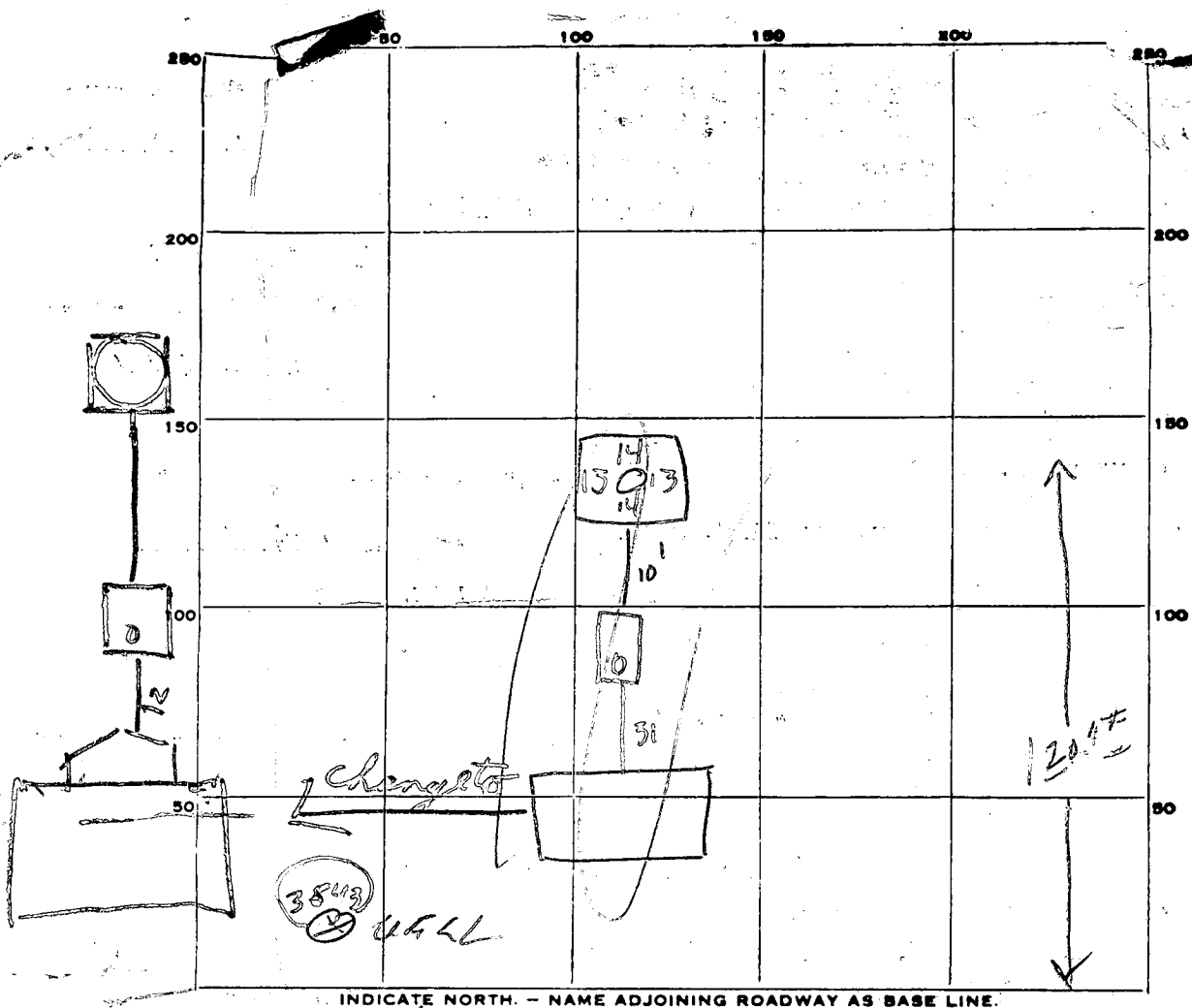
NOTE: ALL PIPE FROM HOUSE TO DISPOSAL AREA MUST BE CAST IRON.

PERMIT VOID AFTER THREE 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 ACCEPTED.

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

A 28141



INDICATE NORTH. - NAME ADJOINING ROADWAY AS BASE LINE.

(W)

PERMIT CARD

SEPTIC TANK, LEVEL  CLEANOUTS

DISTRIBUTION BOX, LEVEL \_\_\_\_\_

TILE FIELD, DEPTH \_\_\_\_\_ FT. TRENCH WIDTH \_\_\_\_\_ FT.

GRAVEL DEPTH \_\_\_\_\_ IN. TOTAL LENGTH \_\_\_\_\_ FT.

NUMBER OF TRENCHES \_\_\_\_\_ TOTAL BOTTOM AREA \_\_\_\_\_

SEEPAGE PITS, INSIDE DIAMETER 54 FT. DEPTH BELOW INLET 9' FT.

ABSORBENT AREA 486 SQ. FT.

REMARKS  
 9-21-80 Stop work. Dig well in wrong location.  
 9-26-80 Move septic tank to 12' from house, keep inlet as shallow as possible to get to repair area 20' from house at 3 1/2 ft GK  
 9/30/80 TANKED MOVED 12 FT FROM HOUSE TOP OF TANK ABOUT 6" BELOW GRADE

DATE SYSTEM APPROVED 9/30/80 INSPECTOR Raymond Gody

# APPLICATION

A 28141

P \_\_\_\_\_

## SEWAGE DISPOSAL TESTING

STATE OF MARYLAND DEPARTMENT OF HEALTH AND MENTAL HYGIENE

DISTRICT 3rd

HOWARD COUNTY HEALTH DEPARTMENT  
ENVIRONMENTAL HEALTH SERVICES

DATE 6/2/78

P.O. BOX 476, ELLICOTT CITY, MARYLAND 21043  
TELEPHONE: 465-5000, EXT. 356

SEE SEPARATE SHEETS FOR SPECS

BLDG. PERMIT SIGNED  
AND RETURNED 8/22/80  
Serial No. 44202  
Pole Barn - Norem

TO: THE COUNTY HEALTH OFFICER  
ELLICOTT CITY, MARYLAND

BLDG. PERMIT SIGNED  
AND RETURNED 4/14/80  
Serial # 45868

I, HEREBY, APPLY FOR THE NECESSARY TEST IN ORDER TO CONSTRUCT (OR RECONSTRUCT) A SEWAGE DISPOSAL SYSTEM.

Sandra E. Carlson  
Dr. Richard Hemphill

PROPERTY OWNER

ADDRESS 5009 West Durham Road  
Columbia, Md 21044 PHONE 997-5576

PROPERTY LOCATION:

SUBDIVISION Triadelphia Farms II LOT NO. 9A

ROAD AND DESCRIPTION 13346  
Triadelphia Road

SIZE OF LOT ? TYPE BLDG. (3) or 4 bedrooms  
NUMBER OF BEDROOMS

IF NOT SINGLE RESIDENCE DESCRIBE \_\_\_\_\_

THE SYSTEM INSTALLED UNDER THIS APPLICATION IS ACCEPTABLE ONLY UNTIL PUBLIC FACILITIES BECOME AVAILABLE.

SIGNATURE OF APPLICANT /s/ Dennis M. Rush

APPROVED BY Raymond Hodges FOR DRY WELL DATE 12/26/79  
(KIND OF SYSTEM)

REJECTED BY \_\_\_\_\_ FOR \_\_\_\_\_ DATE \_\_\_\_\_  
(KIND OF SYSTEM)

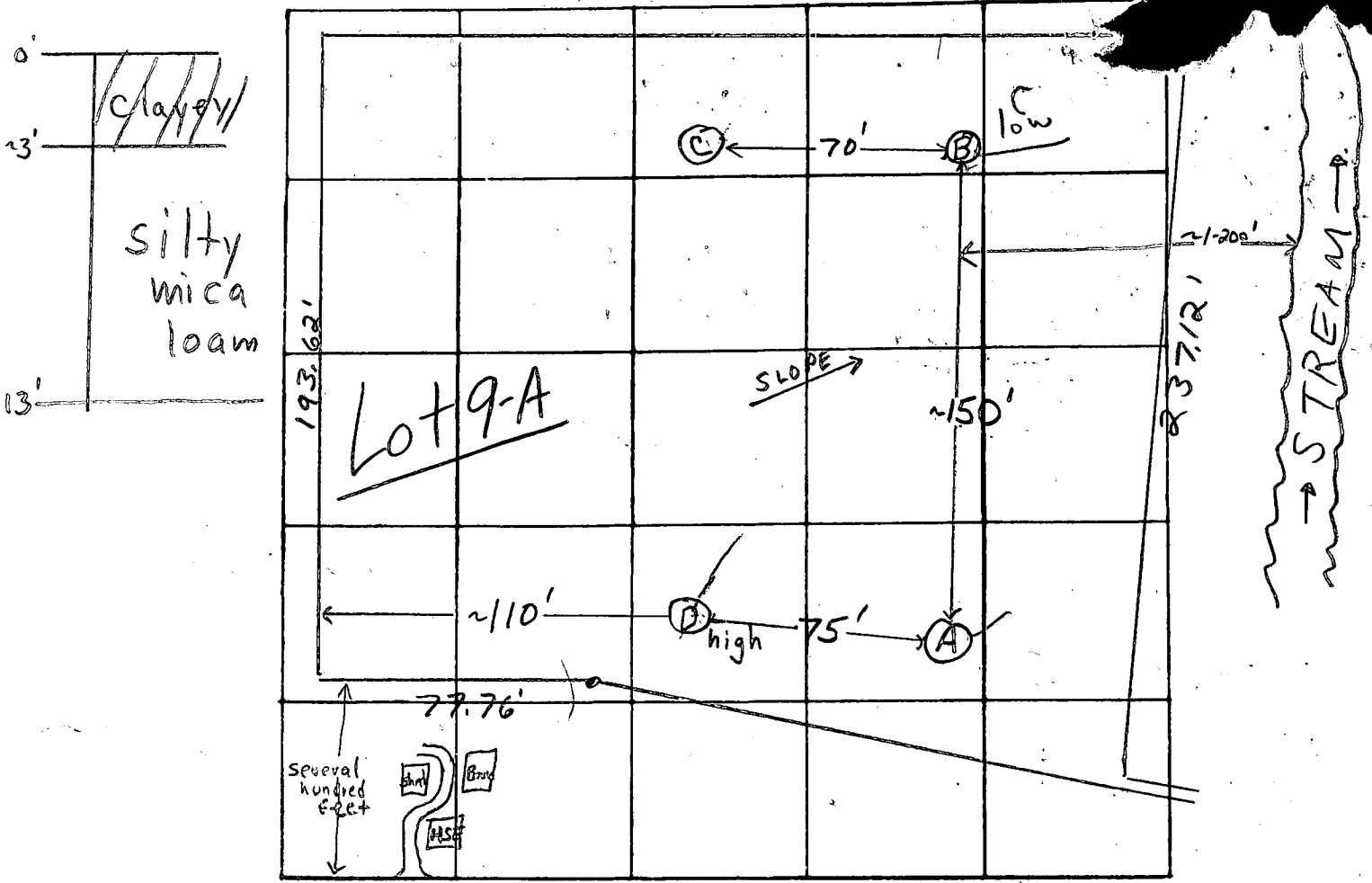
HOLD PENDING FURTHER TESTS in wet season DATE 6/30/78

REASONS FOR REJECTION OR HOLDING low area near underground water

3/12/79 - PERC OK THIS YEAR BUT HOLD FOR REVIEW DANGER

OF WATER IN 1978 RH 4/26/79 PERC OK BUT CERTIFIED  
HOLES SHOWING PROPER LOCATION OF SEWAGE  
AREA NOT NEAR WELLS BUT NEEDED RH

4/27/78  
BOENBER  
SAID THIS PLAN SIGNED BY HO WHEN I WAS ON VACATION RH  
**THIS IS NOT A PERMIT**



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE

Triadelphia Road

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME	
			START	STOP	START	STOP		
4/27/78	A-1	4'	4:18	—	—	4:25	7min	
	A-2	12 1/2'	4:18	4:25	4:25	4:40	15 min	
	B-1 low	3 1/2'	3:58	—	—	4:06	8min	
	B-2	13 1/2'	3:58	4:23	pulled pipe @ 4:30	4:30	FAILS (near water?)	
	C	12'	Clayey to 3' silty loam below					
	D-1 high	4'	3:55	—	—	4:00	5min clayey to 3'	
	D-2	14 1/2'	3:55	4:02	4:02	4:16	14min	
3/9/79	1D	12	147	150	150	155	5	
	1S	4	147	150	150	153	3	
	2D	13 1/2	149	154	154	203	9	
	2S	4 1/2	149	153	153	157	4	
	3D	13 1/2	158	200	200	210	12	
	3S	4	159	200	200	204	4	
	4V	11 1/2	ALL SAND DRY					


REMARKS No obs

TYPE OF SOIL silty mica loam below top ~3' clayey soil

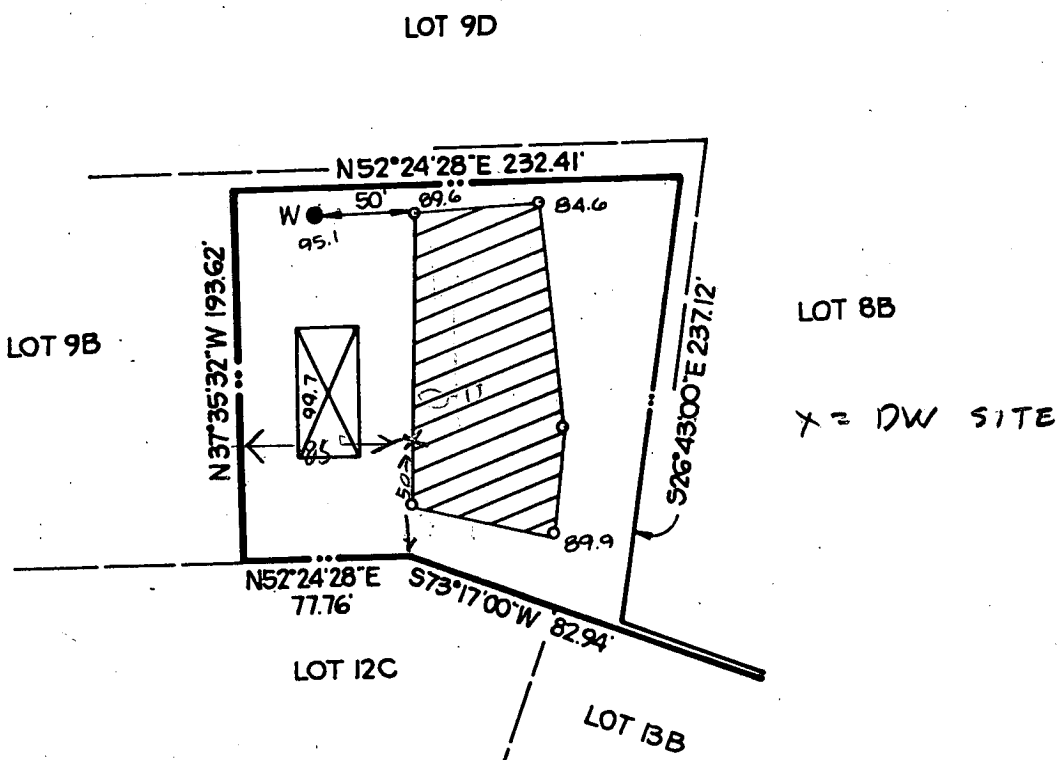
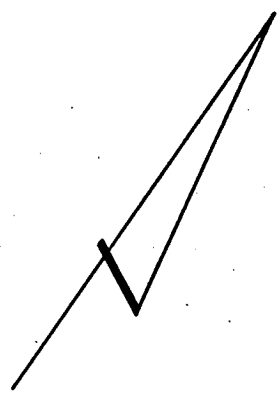
TESTED BY F.S.

ALSO PRESENT: Buittinghams Cross, J. Barber (for S. Smith)



 This area of approximately 10,000 sq. feet indicates a private sewage easement as required by the Maryland State Department of Health and Mental Hygiene for individual disposal. Improvements of any kind in this area are restricted until public sewage is available and servicing any residential structures constructed on this site. This easement shall become null and void upon connection to a public sewage system.

Field run elevations are based on assumed data. Percolation test holes have been field located and indicated as "o".



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.

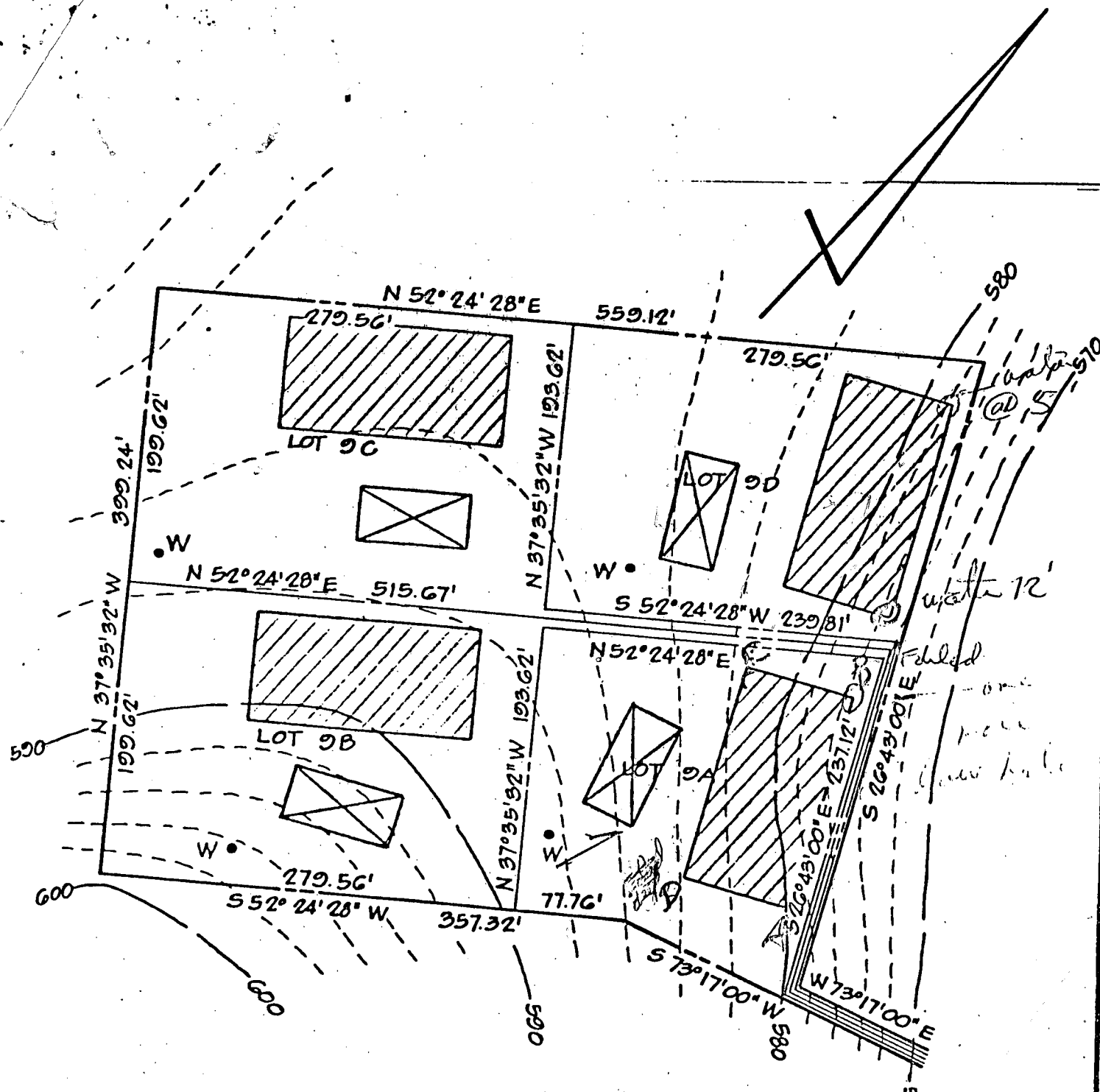
APPROVED FOR PRIVATE WATER AND PRIVATE SEWAGE SYSTEMS.  
 HOWARD COUNTY HEALTH DEPARTMENT

*Jocelyn Boyden* 4-18-79  
 COUNTY HEALTH OFFICER DATE



TITLE				<b>PERCOLATION TEST PLAT</b>			
PROJECT				<b>TRIADELPHIA FARMS II - LOT 9A</b>			
LOCATION				3 RD ELECTION DISTRICT		HOWARD COUNTY, MARYLAND	
DATE:	MARCH, 1979	DESIGN BY:	-	DRAWN BY:	DLC.	CHECKED BY:	J.A.B.
SCALE:	1" = 100'	JOB NO.:	77228	DRAWING NO.:	1 OF 1		

**boender associates** engineers  
 surveyors  
 planners



NOTES:

1. 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.
2. PERCOLATION TEST HOLES HAVE BEEN FIELD LOCATED.
3. TOPO SHOWN HEREON IS BASED ON U.S.G.S. TOPOGRAPHIC SURVEY MAPS.

APPROVED: FOR PRIVATE WATER AND PRIVATE SEWAGE SYSTEMS.  
 HOWARD COUNTY HEALTH DEPARTMENT.

COUNTY HEALTH OFFICER

TITLE <b>PERCOLATION TEST PLAT</b>			
PROJECT <b>TRIADELPHIA FARMS - SECT. 2 - LOTS 9A, B, C, AND D</b>			
LOCATION <b>3RD ELECTION DISTRICT</b>		<b>HOWARD CO., MD.</b>	
DATE: <b>APRIL, 1978</b>	DESIGN BY: -	DRAWN BY: <b>J.J.B.</b>	CHECKED BY: -
SCALE: <b>1" = 100'</b>	JOB NO.: <b>77228</b>	DRAWING NO.: <b>1 OF 1</b>	

**boender associates**

engineers  
 surveyors  
 planners

B 1 5554

SEQUENCE NO. (WRA USE ONLY)

STATE OF MARYLAND WATER RESOURCES ADMINISTRATION TAWES STATE OFFICE BLDG., ANNAPOLIS, MARYLAND 21401 APPLICATION FOR PERMIT TO DRILL WELL

WRA PERMIT NUMBER

HO-73-3543

FILL IN THIS FORM COMPLETELY

1 2 3 (SEQ. NO.) 6 (THIS NUMBER IS TO BE PUNCHED IN COLS. 3-6 ON ALL CARDS)

DATE RECEIVED (WRA USE ONLY)

2/1/80 1:30 p.m.

OWNER

COL 15 LAST NAME

FIRST NAME

COL. 34

STREET OR RFD

COL 36

COL. 55

POST OFFICE

COL 57

COL. 76

B 1 CONTINUED

DRILLER INFORMATION

1 2 3 (SEQ. NO.) 6

DATE Dec 13 1979

LICENSE NUMBER 213 77 80

FIRST NAME RALPH DRILLER LAST NAME MAWEE

SIGNATURE Ralph Mawee

B 3

LOCATION OF WELL

1 2 3 (SEQ. NO.) 6

COUNTY Howard (DO NOT ABBREVIATE COUNTY NAME) 21

SUBDIVISION TRINITY 23 42

SECTION D 44 46 LOT A 48 50

NEAREST TOWN GLENMELB 52 71

MILES FROM TOWN (ENTER 0 IF IN TOWN) 73 76 77 78

B 2

WELL INFORMATION

1 2 3 (SEQ. NO.) 6

MAXIMUM PUMPING RATE (GALLONS PER MINUTE) 5 8 12

AVERAGE DAILY QUANTITY NEEDED (GALLONS PER DAY) 500 14 20

USE FOR WATER (CIRCLE APPROPRIATE BOX)

- D HOME (SINGLE OR DOUBLE HOUSEHOLD UNIT ONLY)
F FARMING, AGRICULTURE, IRRIGATION
I INDUSTRIAL, COMMERCIAL, STATE AND FEDERAL GOVERNMENT.
M MUNICIPAL WATER SUPPLY
P PRIVATE WATER COMPANY
T TEST

B 4

DIRECTION FROM TOWN (CIRCLE APPROPRIATE BOX)

Grid for direction from town with options N, E, S, W, NE, SE, NW, SW and distance from road.

APPROXIMATE DEPTH OF WELL 24 100 26 FEET

APPROXIMATE DIAMETER OF WELL 6 (NEAREST INCH)

METHOD OF DRILLING USED (CIRCLE APPROPRIATE METHOD)

- BORED (OR AUGERED)
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 PERMIT NUMBER OF WELL TO BE REPLACED OR DEEPEMED (IF AVAILABLE)

NOT TO BE FILLED IN BY DRILLER (WRA USE ONLY)

Grid for appropriation permit number, force, conditions, and engineer review district no.

DRAW A SKETCH BELOW SHOWING LOCATION OF WELL IN RELATION TO NEARBY TOWNS, ROADS AND STREAMS WITH NORTH IN THE DIRECTION OF THE ARROW, AND GIVE DISTANCE FROM WELL TO NEAREST ROAD JUNCTION OR STREAM CROSSING SHOWN ON THE SKETCH. ALSO SHOW, BY MEANS OF AN "X", THE WELL LOCATION IN THE BOX BELOW AND THE BOX NUMBER FROM THE WELL LOCATION MAP.

Hand-drawn sketch of well location with handwritten notes: 42' casing, 2' above gr., 37' open, 12' Bags cement, 2/1/80.

B 4 CONTINUED

HEALTH DEPARTMENT APPROVAL

Form for health department approval including date, county name, and signature.

Form for coordinates and elevation at well head.

B 5

SPECIAL CONDITIONS 8-63 (WRA USE ONLY)

Grid for special conditions.



August 22, 1980

Ms. Sandra Carlson  
5009 West Durham Road  
Columbia, Maryland 21044

Dear Ms. Carlson:

This office has approved the building permit application #44202 to erect a pole building for horses. Please be advised that this structure must be at least 300 feet removed from any dwellings (except both yours and Ms. Miller's).

Very truly yours,

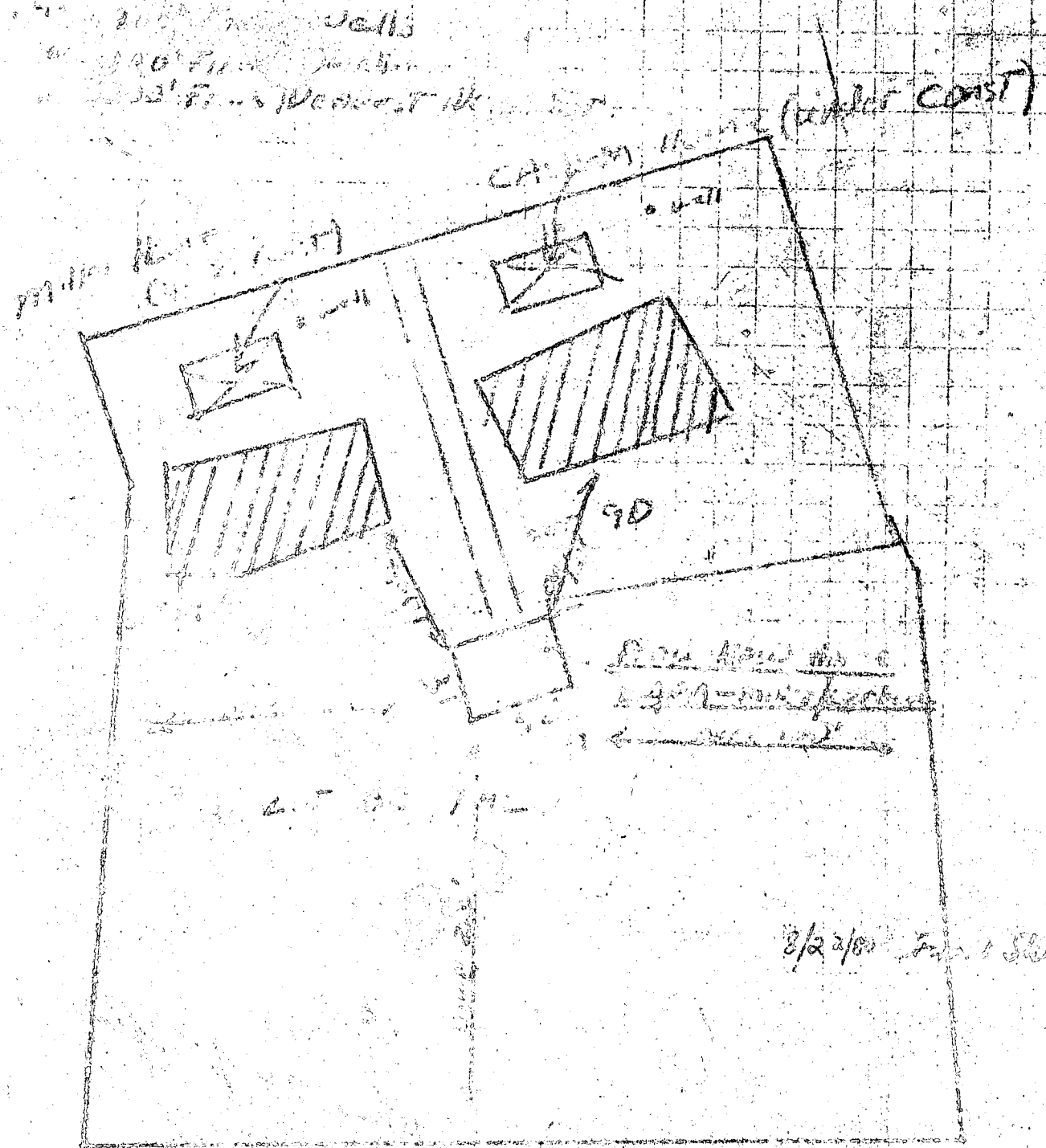


Frank A. Skinner  
Sanitarian

FAS:hs

Note:  
Proposed house to be  
built on lot 1000  
with 200' front yard  
and 20' front setback  
from street.

# PLOT PLAN



T. J. ...

8/22/80

8/22/80 No proposed house  
or existing houses on adjacent  
properties or within 300 ft  
of proposed house site

C 1 1278

SEQUENCE NO. (WRA USE ONLY)

STATE OF MARYLAND WATER RESOURCES ADMINISTRATION TAWES STATE OFFICE BLDG., ANNAPOLIS, MD. 21401 WELL COMPLETION REPORT

THIS REPORT MUST BE SUBMITTED WITHIN 30 DAYS AFTER WELL COMPLETION

FILL IN THIS FORM COMPLETELY

COUNTY NUMBER H48-191

DATE RECEIVED (WRA USE ONLY) Feb 1 1980

DATE WELL COMPLETED

DEPTH OF WELL 305 (TO NEAREST FOOT)

PERMIT NO. FROM "PERMIT TO DRILL WELL" H10-73-3543

DRILLERS IDENTIFICATION NO. 273

OWNER MOORE Edward T

STREET OR RFD 3109 PAULSKIRK DR POST OFFICE ELLCOTT CITY MD

WELL DESCRIPTION

STATE THE KIND OF FORMATIONS PENETRATED, THEIR COLOR, DEPTH, THICKNESS AND IF WATER BEARING

Table with columns: DESCRIPTION, FEET (FROM, TO), CHECK IF WATER BEARING. Rows include Top So. L, Sandy, Sand Stone, Micka, Sand Stone, Micka.

GROUTING RECORD

WELL HAS BEEN GROUTED (YES) (NO) TYPE OF GROUTING MATERIAL (CIRCLE BOX) CEMENT CM BENTONITE CLAY BC NO. OF BAGS 12 NO. OF POUNDS 1200 GALLONS OF WATER 72 DEPTH OF GROUT SEAL (TO NEAREST FOOT) FROM 0 FT. TO 37 MEASURED FT.

CASING RECORD

INSERT APPROPRIATE CODE BELOW (S) STEEL (C) CONCRETE (P) PLASTIC (O) OTHER MAIN CASING TYPE ST NOMINAL DIAMETER TOP (MAIN) CASING (NEAREST INCH) 6 TOTAL DEPTH OF MAIN CASING (NEAREST FOOT) 42

OTHER CASING (IF USED)

DIAMETER (INCH) DEPTH (FEET) FROM TO

SCREEN RECORD

INSERT APPROPRIATE CODE BELOW (S) STEEL (BR) BRASS OR BRONZE (HO) OPEN HOLE (P) PLASTIC (O) OTHER

DEPTH (NEAREST WHOLE FOOT) FROM 40 TO 305

SLOT SIZE 1, 2, 3

DIAMETER OF SCREEN 56 (NEAREST INCH) FROM TO

GRAVEL PACK IF WELL DRILLED WAS A FLOWING WELL CIRCLE BOX 68 F

WRA USE ONLY (NOT TO BE FILLED IN BY DRILLER) (E.R.O.S.) TELESCOPE CASING 70 LOG INDICATOR 72 OTHER DATA AVAILABLE 74 75 76

C 3 (SEQ. NO.)

PUMPING TEST

HOURS PUMPED (TO NEAREST HOUR) 6 PUMPING RATE (GALLONS PER MINUTE TO NEAREST GALLON) 2 METHOD USED TO MEASURE PUMPING RATE Bucket

WATER LEVEL: (DISTANCE FROM LAND SURFACE) BEFORE PUMPING 35 (NEAREST FOOT) WHEN PUMPING 305 (NEAREST FOOT)

TYPE OF PUMPED USED (CIRCLE APPROPRIATE BOX)

(A) AIR (P) PISTON (T) TURBINE (C) CENTRIFUGAL (R) ROZARY (O) OTHER (DESCRIBE BELOW) (J) JET (S) SUBMERSIBLE

PUMP INSTALLED

TYPE OF PUMP (WRITE APPROPRIATE LETTER IN BOX - SEE ABOVE: A, C, J, P, R, S, T, O)

DRILLER WILL INSTALL PUMP (CIRCLE APPROPRIATE BOX) YES (NO) Y N

CAPACITY: GALLONS PER MINUTE (TO NEAREST GALLON) 31 35

PUMP HORSE POWER 37 41

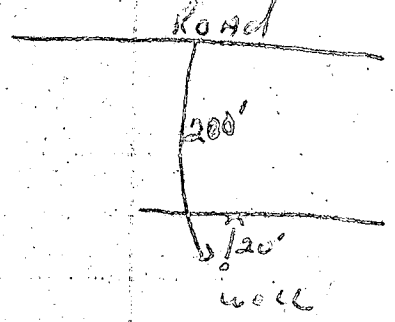
PUMP COLUMN LENGTH (NEAREST FOOT) 43 47

CASING HEIGHT (CIRCLE APPROPRIATE BOX, AND ENTER CASING HEIGHT)

(+) ABOVE ( ) BELOW LAND SURFACE 2 (NEAREST FOOT)

LOCATION OF WELL ON LOT

SHOW PERMANENT STRUCTURE SUCH AS BUILDINGS, SEPTIC TANKS, AND/OR OTHER LAND MARKS AND INDICATE NOT LESS THAN TWO DISTANCES (MEASUREMENTS TO WELL).



CIRCLE APPROPRIATE BOXES: 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 I HAVE COMPLIED WITH ALL CONDITIONS STATED ON THE ABOVE-CAPTIONED "PERMIT TO DRILL WELL", AND THAT INFORMATION CONTAINED IN THIS REPORT IS TRUE, ACCURATE, AND COMPLETE TO THE BEST OF MY KNOWLEDGE, INFORMATION AND BELIEF.

DRILLERS NAME (PLEASE PRINT) Ralph MAYNE SIGNATURE Ralph Mayne