

Approved
GLK

22 JAN 79

P 28966
A 27022

PERMIT

SEWAGE DISPOSAL SYSTEM

MARYLAND STATE DEPARTMENT OF HEALTH*

03-305759

HOWARD COUNTY

ELLICOTT CITY

DISTRICT 3rd

DATE 10/3/78

INDEXED

4/19/79
as soon as possible

4/22/79
p.m. please

Liberty Backhoe Service, Inc. IS PERMITTED TO INSTALL ALTER

ADDRESS 7311 Brangles Road, Marriottsville, Md. 21104 PHONE 795-2642

SUBDIVISION Friendship Manor ROAD 2582 Lou Anne Court LOT 25

PROPERTY OWNER Rembrandt Builders

ADDRESS 9051 Baltimore National Pike, Ellicott City, Md. Phone: 465-3000

SPECIFICATIONS 4 bedrooms

SEPTIC TANK CAPACITY 1250 GALLONS

DRAIN FIELD DEPTH FEET, BOTTOM AREA SQ. FT.

DEEP TRENCH DEPTH FEET, BOTTOM AREA SQ. FT.

SEEPAGE PITS ABSORBENT SIDE-WALL AREA 130 SQ. FT. absorbent sidewall area 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 25 FT. FROM front LOT LINE AND 125 FT. FROM left LOT LINE AS SEEN WHEN FACING LOT FROM the court.

PLANS APPROVED BY Donald W. Monaghan DATE 10/17/77

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.

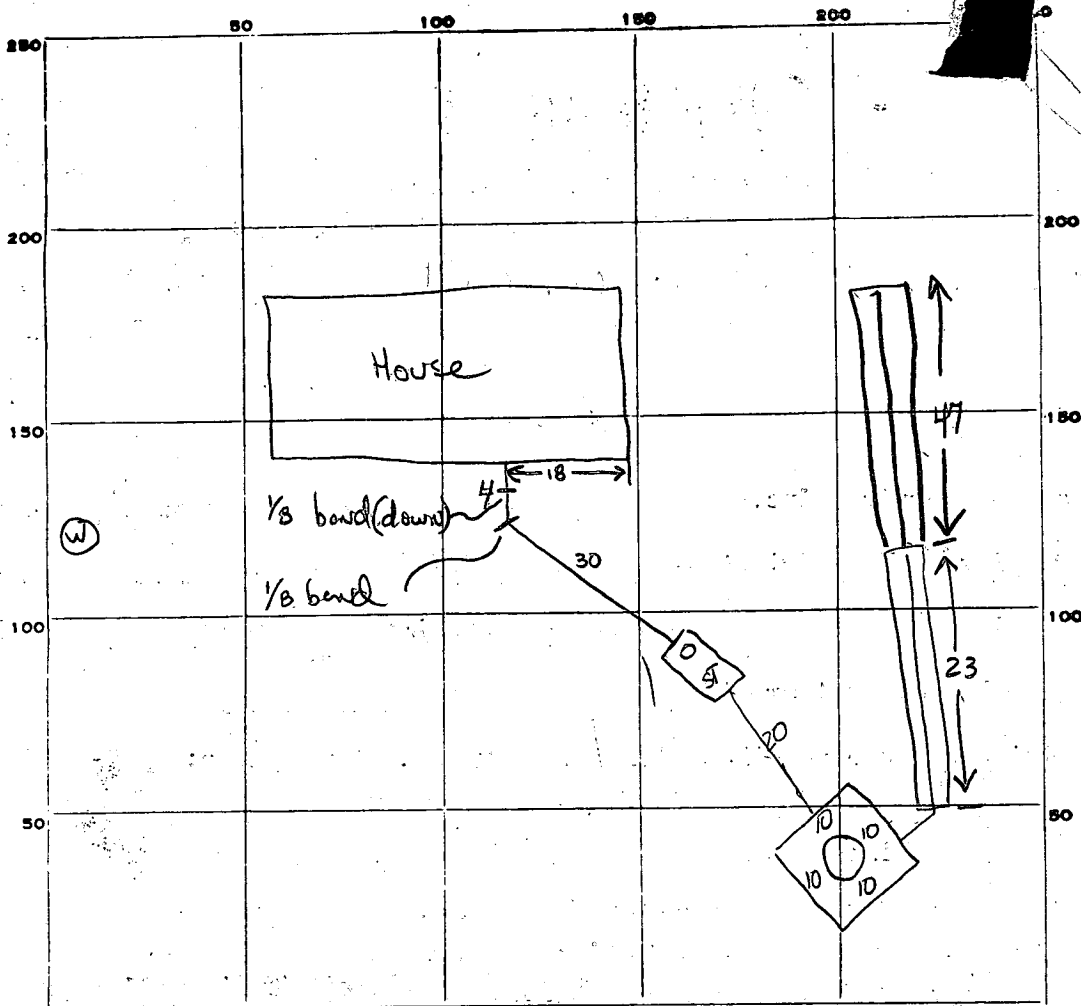
PERMIT VOID AFTER THREE YEARS.

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 27022

520
360
160



INDICATE NORTH. - NAME ADJOINING ROADWAY AS BASE LINE.

LOW ANN CT

PERMIT CARD contractor yes

SEPTIC TANK, LEVEL 1250 tapered

ST	DW
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

CLEANOUTS CAST IRON

DISTRIBUTION BOX, LEVEL Na

TILE FIELD, DEPTH Aug 8 1/2 FT. TRENCH WIDTH 2 FT.

GRAVEL DEPTH 3 - 8 1/2 5 1/2 IN. TOTAL LENGTH 70 1/2 FT. (10 miles)

NUMBER OF TRENCHES 1 TOTAL BOTTOM AREA 375 ±375

SEEPAGE PITS, INSIDE DIAMETER 40 FT. DEPTH BELOW INLET 5 FT. #200

TOTAL ABSORBENT AREA ±575 SQ. FT. 12 below existing

REMARKS 19 JAN 79 - Extensive grading done as a result system was being installed in relation to existing grade (4' of fill material above original grade). Gave OK to backfill septic tank to drywell only, to gravel 23' of trench. Instructed contractor to call for permit when trench is excavated to 65' length, 8' deep (12' below existing grade). Also, water test will be necessary as the 2' section out of house (plumber) is slightly uphill. (GLK) See attached sheet

DATE SYSTEM APPROVED 22 Jan 79 INSPECTOR George Keller

PRELIMINARY

APPLICATION

A 27022

P _____

SEWAGE DISPOSAL TESTING

STATE OF MARYLAND - DEPARTMENT OF HEALTH AND MENTAL HYGIENE

HOWARD COUNTY HEALTH DEPARTMENT
ENVIRONMENTAL HEALTH SERVICES

DISTRICT 3rd

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

DATE 10/10/77

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 William B. Ridgely

ADDRESS Spring Meadow Farm, Cooksville, Md. PHONE 531-5115 (Carol Clark)

PROPERTY LOCATION:

SUBDIVISION Friendship Manor LOT NO. 25

ROAD AND DESCRIPTION Route 144 and Route 32

2582 Lou Anne Court

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/ Albert Scheel

BLDG. PERMIT SIGNED
AND RETURNED 10/3/78

APPROVED BY DOM FOR [Signature] DATE 10-17-78

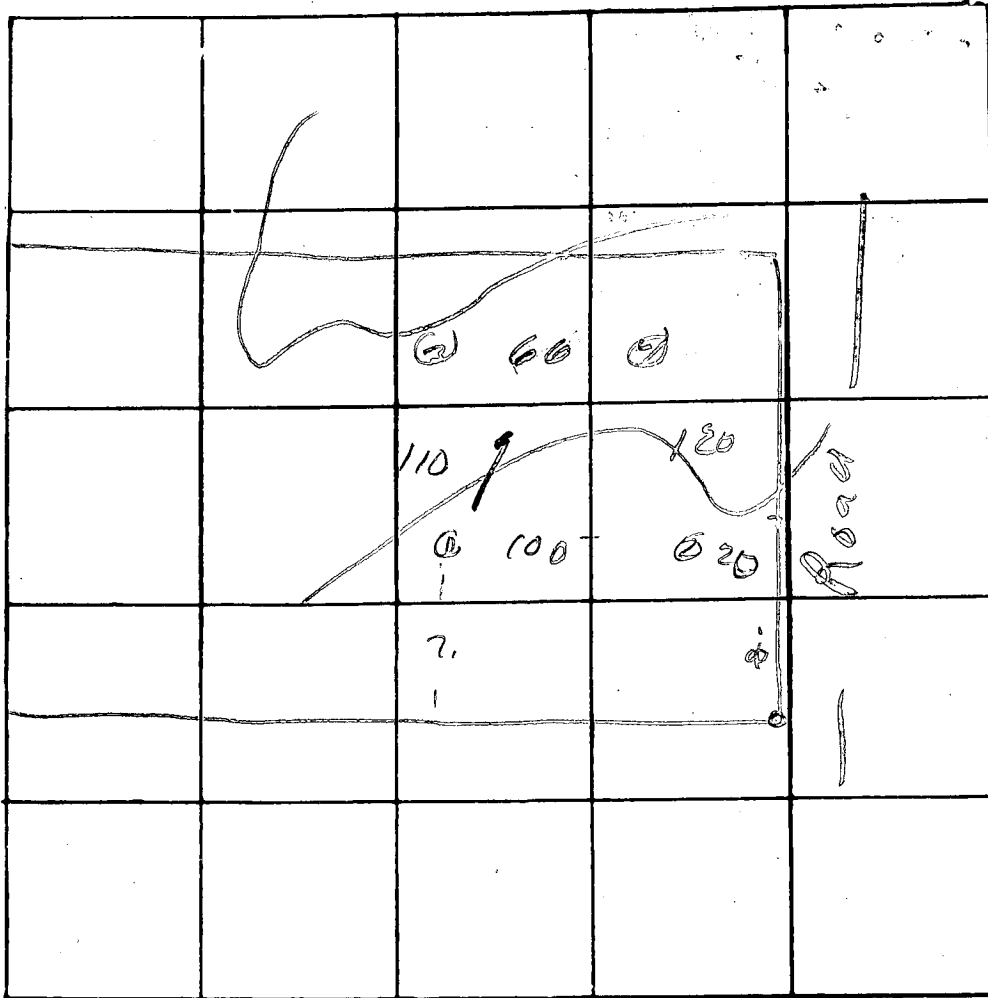
Serial No. 36998

REJECTED BY _____ FOR _____ DATE _____

HOLD PENDING FURTHER TESTS _____ DATE _____

REASONS FOR REJECTION OR HOLDING _____

THIS IS NOT A PERMIT



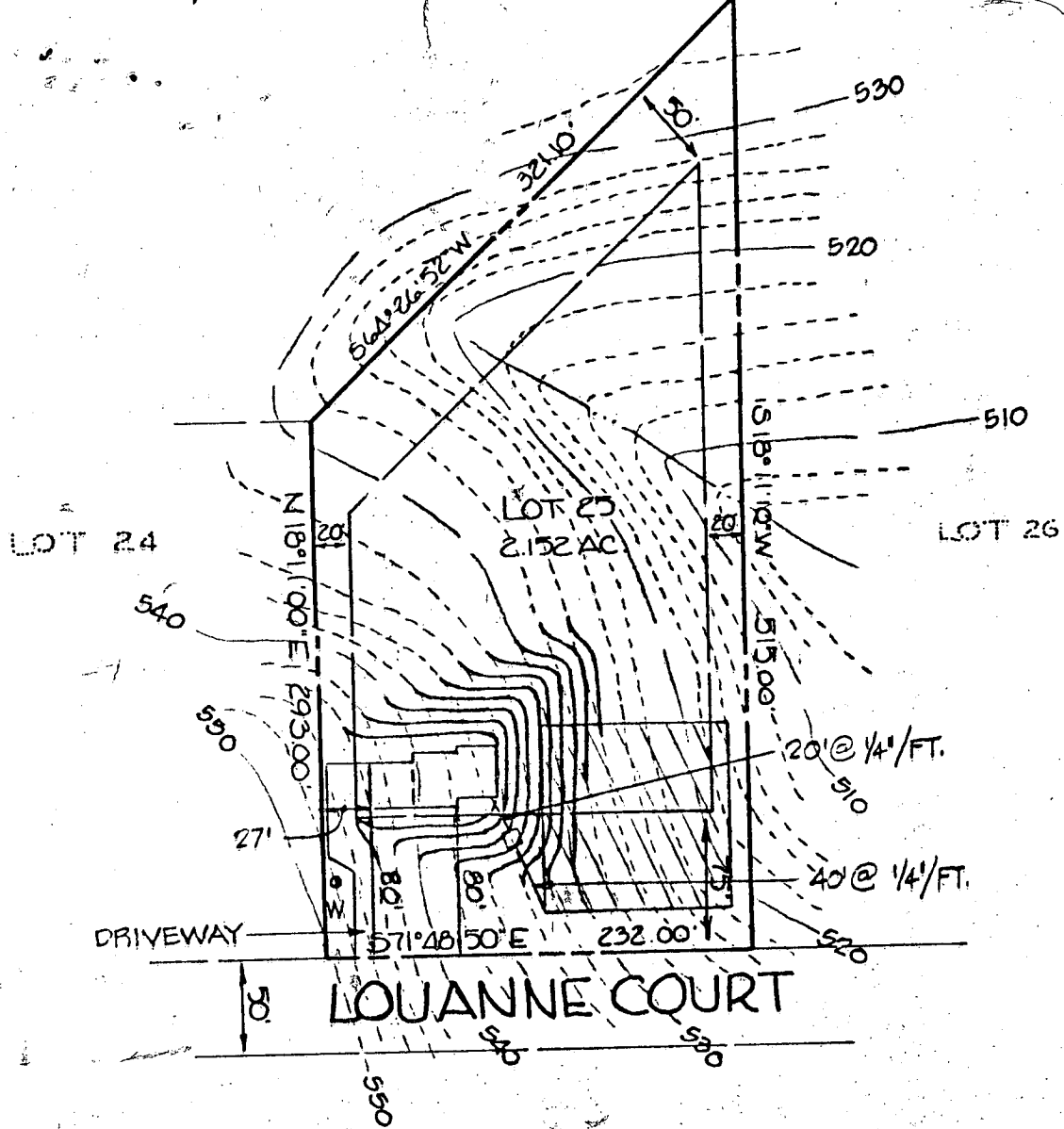
INDICATE NORTH. - NAME ADJOINING ROADWAY AS BASE LINE

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
10/19	1s	3'	11 19	11 20	11 30	11 32	2
	d	13'	11 19	11 22	11 30	11 31	9
	2uis	4'-15"	silt	100.0			
	3s	3'	11 31	11 31	11 31	11 32	1
	d	13'	11 34	11 39	11 39	11 45	4
	4s	3'	11 35			1 39	4
	d	19"	11 39	1 39	11 39	11 42	3

REMARKS Hole 3 - some sandstone OK.

TYPE OF SOIL _____

TESTED BY DJM ALSO PRESENT: School crew



OK DPH
10/03/78

HOUSE:
 F.F. ELEV. 548.0
 BSMT. ELEV. 539.5
 INV. OUT 531.5
 SEPTIC TANK:
 EX. GRADE 534.0
 PROP. GRADE 537.0
 INV. IN 531.1
 INV. OUT 530.8

DRYWELL:
 EX. GRADE 533.0
 PROP. GRADE 533.0
 INV. IN 530.0
 WELL:
 EX. GRADE 548.0
 PROP. GRADE 548.0

NOTE: Topography shown hereon is based on Howard County Aerial Topography Maps. Contractor to set grades in the field.

TITLE				GRADING STUDY			
PROJECT				FRIENDSHIP MANOR - SECTION 2 - LOT 25			
LOCATION				THIRD ELECTION DISTRICT - HOWARD COUNTY, MARYLAND			
DATE:	DESIGN BY:	DRAWN BY:	CHECKED BY:				
AUGUST, 1978	WHN	DHH	WHN				
SCALE:	JOB NO.:	DRAWING NO.:					
1" = 100'	78205	1 of 1					

boender associates

engineers
 surveyors
 planners

C 2570 SEQUENCE NO. (WRA USE ONLY)

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

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

DATE RECEIVED (WRA USE ONLY) 9/27/88 DEPTH OF WELL 220

DATE WELL COMPLETED 22 (TO NEAREST FOOT) 26

PERMIT NO. FROM "PERMIT TO DRILL WELL" 73-2963

8-13 15 20 DRILLERS IDENTIFICATION NO. 70

OWNER Chateau Builders

STREET OR RFD 8634 BALTO. NATIONAL PIKE POST OFFICE ELLICOTT CITY

WELL DESCRIPTION

WELL LOG

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

DESCRIPTION (USE ADDITIONAL SHEETS IF NECESSARY)	FEET		CHECK IF WATER BEARING
	FROM	TO	
topsoil	0	2	
shaley	2	20	
sandstone	20	35	
mica	35	40	
sandstone	40	45	
mica	45	60	
sandstone	60	70	
mica	70	130	
sandstone	130	135	
mica	135	220	

GROUTING RECORD

WELL HAS BEEN GROUTED (CIRCLE APPROPRIATE BOX) YES NO

TYPE OF GROUTING MATERIAL (CIRCLE BOX) CEMENT BENTONITE CLAY

CEMENT: 45-46 BENTONITE CLAY: 45-46

NO. OF BAGS 8 NO. OF POUNDS 800

GALLONS OF WATER 40

DEPTH OF GROUT SEAL (TO NEAREST FOOT)

FROM 0 FT. TO 28 FT.

CASING RECORD

CASING TYPES (INSERT APPROPRIATE CODE BELOW)

S STEEL C CONCRETE

P PLASTIC O OTHER

MAIN CASING TYPE S +

NOMINAL DIAMETER TOP (MAIN) CASING (NEAREST INCH) 6

TOTAL DEPTH OF MAIN CASING (NEAREST FOOT) 32

OTHER CASING (IF USED)

DIAMETER (INCH) _____ DEPTH (FEET) FROM _____ TO _____

SCREEN RECORD

SCREEN TYPE OR OPEN HOLE (INSERT APPROPRIATE CODE BELOW)

S STEEL B BRASS OR BRONZE H OPEN HOLE

P PLASTIC O OTHER

DEPTH (NEAREST WHOLE FOOT)

FROM 30 TO 220

SCREEN

DIAMETER OF SCREEN 56 FROM 60 (NEAREST INCH) TO _____

GRAVEL PACK

IF WELL DRILLED WAS A FLOWING WELL CIRCLE BOX YES NO

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

TELESCOPE CASING 70 LOG INDICATOR 72 OTHER DATA AVAILABLE 74 75 76

PUMPING TEST

HOURS PUMPED (TO NEAREST HOUR) 3

PUMPING RATE (GALLONS PER MINUTE TO NEAREST GALLON) 2

METHOD USED TO MEASURE PUMPING RATE bucket

WATER LEVEL: (DISTANCE FROM LAND SURFACE)

BEFORE PUMPING 30 (NEAREST FOOT)

WHEN PUMPING 220 (NEAREST FOOT)

TYPE OF PUMPED USED (CIRCLE APPROPRIATE BOX) (FOR PUMPING TEST)

A AIR P PISTON T TURBINE

C CENTRIFUGAL R ROTARY 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

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 LAND SURFACE

BELOW 2 (NEAREST FOOT)

CIRCLE APPROPRIATE BOXES

A A WELL WAS ABANDONED AND SEALED WHEN THIS WELL WAS COMPLETED

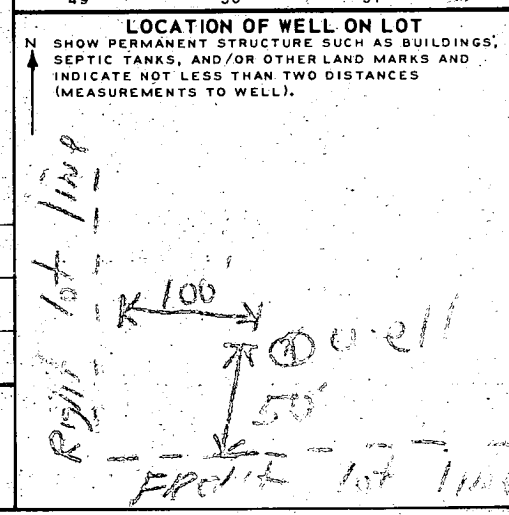
E ELECTRIC LOG OBTAINED

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) George F. Eastman

SIGNATURE George F. Eastman



B 1 **4435** SEQUENCE NO. (WRA USE ONLY)

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

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

WRA PERMIT NUMBER
 HO-75-1163

FILL IN THIS FORM COMPLETELY

DATE RECEIVED (WRA USE ONLY)
 9/27/78
 9:30 A.M.

OWNER Chateau Builders COL 15 LAST NAME FIRST NAME COL. 34

STREET OR RFD 8654 Balt. National Pike COL 36 COL. 55

POST OFFICE Ellicott City Md. COL 57 COL. 76

B 1 CONTINUED DRILLER INFORMATION

1 2 3 (SEQ. NO.) 6

DATE 9-25-78 **LICENSE NUMBER** 40 77 80

FIRST NAME H. F. Easterday **DRILLER** H. F. Easterday **LAST NAME**

SIGNATURE H. F. Easterday

B 3 LOCATION OF WELL

1 2 3 (SEQ. NO.) 6

COUNTY Howard 8 (DO NOT ABBREVIATE COUNTY NAME) 21

SUBDIVISION Frederick's Trip's Hill road 23 42

SECTION 1 **LOT** 95 44 46 48 50

NEAREST TOWN West Frederick's 52 71

MILES FROM TOWN (ENTER 0 IF IN TOWN) 0 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) 600 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 } MUST HAVE STATE HEALTH DEPT. APPROVAL

P PRIVATE WATER COMPANY }

T TEST

B 4 DIRECTION FROM TOWN (CIRCLE APPROPRIATE BOX)

1 2 3 (SEQ. NO.) 6

N NORTH **E** EAST **NE** NORTHEAST **SE** SOUTHEAST

S SOUTH **W** WEST **NW** NORTHWEST **SW** SOUTHWEST

NEAR WHAT ROAD Rt. 194 8 9

ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX) **N** NORTH **S** SOUTH **E** EAST **W** WEST 11 30

DISTANCE FROM ROAD (ENTER DISTANCE AND CIRCLE APPROPRIATE BOX) 400 34 37 38 39

APPROXIMATE DEPTH OF WELL 150 FEET 24 28

APPROXIMATE DIAMETER OF WELL 6 (NEAREST INCH)

METHOD OF DRILLING USED (CIRCLE APPROPRIATE METHOD)

BORED (OR AUGERED) **JETTED** **DRIVEN**

30-37 **AIR-ROTARY** **AIR-PERCUSSION** **ROTARY (HYDRAULIC ROTARY)**

CABLE **REVERSE-ROTARY** **DRIVE-POINT**

OTHER (DESCRIBE)

REPLACEMENT OR DEEPEINED 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 DEEPEIN AN EXISTING WELL PERMIT NUMBER OF WELL TO BE REPLACED OR DEEPEINED (IF AVAILABLE)

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

APPROPRIATION PERMIT NUMBER 54 **ENGINEER REVIEW DISTRICT NO.** 63

FORCE 67 **WRITE INITIALS IN BOX** 68 **CONDITIONS** 70 71 72 73 74 75 76 77 78 79

B 4 CONTINUED HEALTH DEPARTMENT APPROVAL

1 2 3 (SEQ. NO.) 6

STATE HEALTH (CIRCLE BOX) **HOWARD** W26768 COUNTY NAME COUNTY NO.

DATE 08 28 78 MO. DAY YR. APPROVED BY Donald W. Montgomery, Sanitarian

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.

OK

32' - CASING

2' - ABOVE GR.

28' - OPEN HOLE

8 - BAGS CEMENT

RT 144

well

9/28/78

BOX NUMBER 810 530

NORTH COORDINATE 50 51 52 53 54 55

EAST COORDINATE 57 58 59 60 61 62 63

ELEVATION AT WELL HEAD (FEET) 0/0 5/0

B 5 SPECIAL CONDITIONS 8-63 (WRA USE ONLY)

1 2 3 (SEQ. NO.) 6