

05-410881

# PERMIT

SEWAGE DISPOSAL SYSTEM

MARYLAND STATE DEPARTMENT OF HEALTH

HOWARD COUNTY  
BUREAU OF ENVIRONMENTAL HEALTH  
461-9933

P 453 P5

A 39897

DISTRICT 5th

DATE 2/22/90

DATE SYSTEM APPROVED 3/6/90

INSPECTOR M. Riffkin

INDEXED

Thomas Lawson

IS PERMITTED TO INSTALL ☒ ALTER ☐

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

SUBDIVISION Twelve Hills ROAD 13067 Twelve Hills Rd LOT 46

PROPERTY OWNER Thomas and Irme C. Lawson  
13067 Twelve Hills Road

ADDRESS \_\_\_\_\_

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

GARBAGE GRINDER? ☒ YES ☐ NO

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 100 feet down the left (264.27') lot line and 170 feet off the same lot line as seen when facing the lot from Twelve Hills Road. Run trenches on contour toward the front (445.0') and rear (99.23') lot lines. Maintain a minimum of 100 feet from the well.

NOTE - No trench to exceed 100 feet in length. Provide 6" - 8" diameter cleanout and cap to grade or above on septic tank. JN 2-21-90

PLANS APPROVED BY Jane Nadeau DATE 5/08/89

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

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

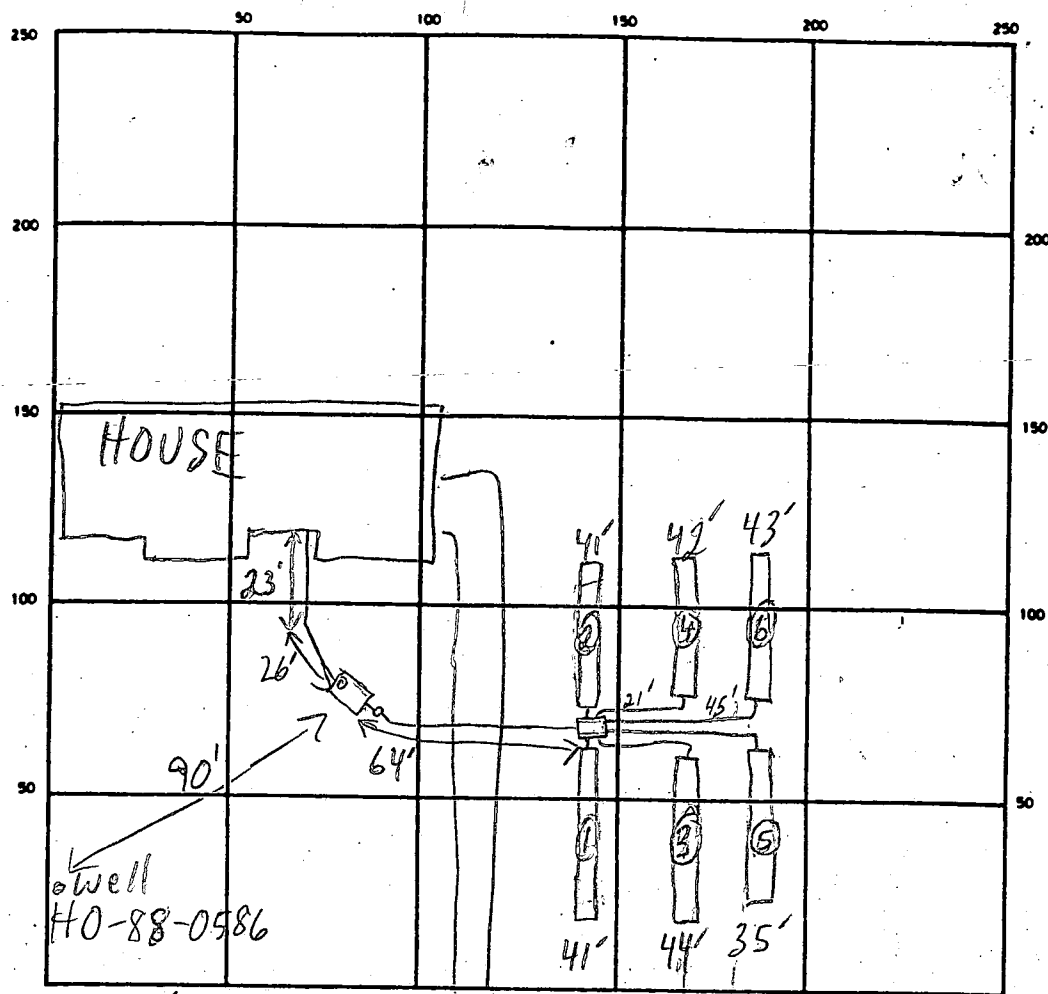
BLDG. PERMIT SIGNED  
AND RETURNED 10/20/93

BLDG. PERMIT SIGNED  
AND RETURNED 6/17/91

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

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

39897



TWELVE HILLS RD INDICATE NORTH — NAME ADJOINING ROADWAY AS BASE LINE

SEPTIC TANK. LEVEL 2000 GAL-OK CLEANOUTS OK

DISTRIBUTION BOX. LEVEL OK-BAFFLE IN

DRAIN FIELD/TILE FIELD. DEPTH 5 FT. TRENCH WIDTH 3 FT. INLET DEPTH 3 FT.

EFFECTIVE GRAVEL DEPTH 2 FT. TOTAL LENGTH ①41 ②41 ③42 ④43 ⑤105 ⑥123 FT.  
NUMBER OF TRENCHES 6 ONE SIDEWALL/BOTTOM AREA ②123 ④126 ⑥129 SQ. FT.

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

ABSORBENT AREA 738 SQ. FT.

REMARKS 3/6/90 ALL WORK OK TO COVER MR

DATE SYSTEM APPROVED

3/6/90

INSPECTOR

M. Riffin

# APPLICATION

PERCOLATION TESTING

A 39897

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

9-1-87  
Percol ok pending  
plat approval JEN

P \_\_\_\_\_

DISTRICT 5TH

DATE 8-19-87

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 Alfred Bassler Tom + Irme C. Lawson

ADDRESS 4994 Shepherd Lane PHONE 531-2193

PROSPECTIVE BUYER N/A

ADDRESS \_\_\_\_\_ PHONE 46 Final

PROPERTY LOCATION:

SUBDIVISION Twelve Hills Sec III LOT NO. LOT 20 Preliminary

ROAD AND DESCRIPTION Grinden Church Rd 13067 Twelve Hills Rd

TAX MAP 28 PARCEL # 49

SIZE OF LOT 3 acres TYPE BLDG. SFD  
(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.

Mal D. Kins  
(SIGNATURE OF APPLICANT)

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

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

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

REASONS FOR REJECTION OR HOLDING

9-1-87 for subdivision approval and perc hole locations

JEN

BLDG. PERMIT SIGNED

AND RETURNED 7/6/89

Serial # 27337 -

SFD - 4 Bedroom

# THIS IS NOT A PERMIT

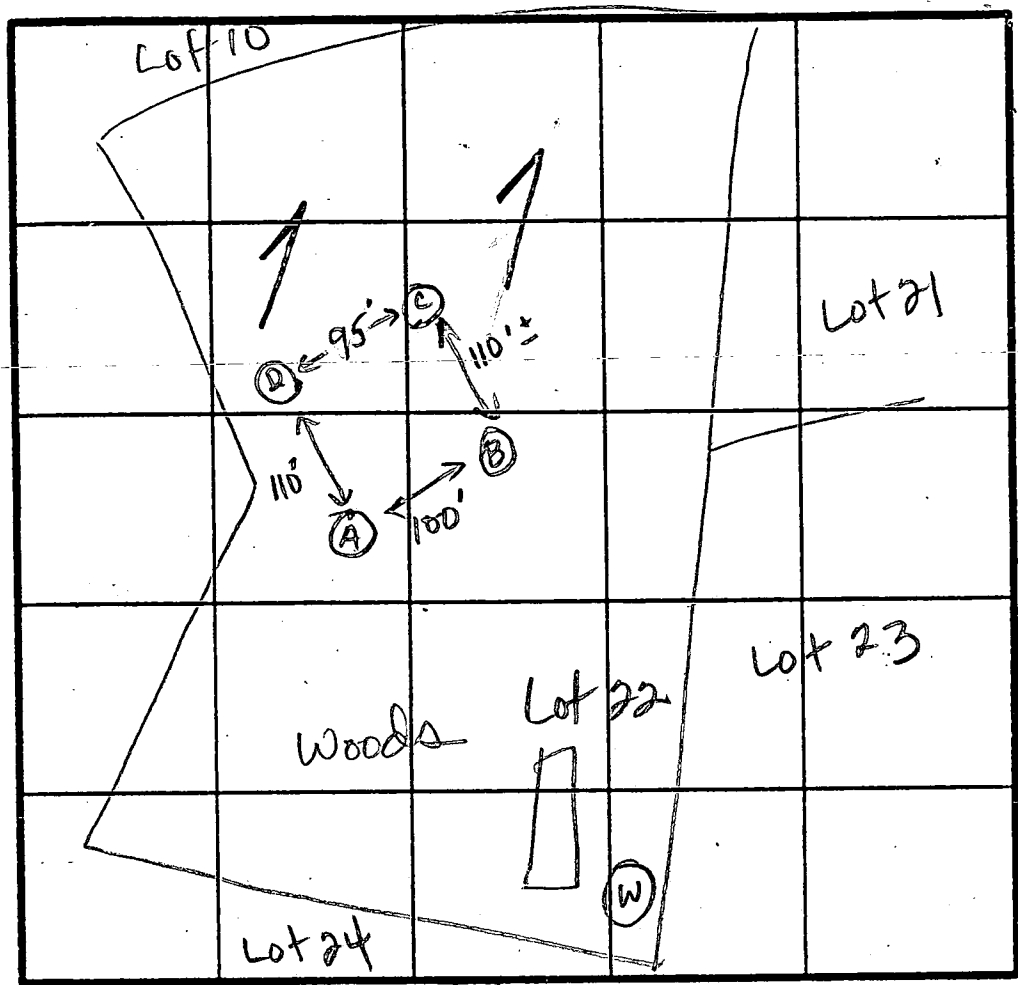
A 39897

Highest A  
Low B  
C

(A)

SOIL PROFILE

0-5.5 Red sa si  
1m, trc gvl  
5.5-10.5 Brown to  
tan sa si  
10.5-12.5 White  
sa si  
12.5 Bottom



0-4 Br si cl  
1m, trc  
gvl  
4-6.5 Red sa  
si loam  
6.5-12 White  
sa si  
1m  
12-14 Br sa si  
loam  
14.5 Bottom

(B)

0-12 Red sa si  
loam, trc  
weathered  
saprolite  
< 10%  
12.0 Bottom

(D)

0-4.5 Red si  
1m  
4.5-11.5 Brown  
sa si  
1m, trc  
gvl  
11.5 Bottom

INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

X Perc 6min  
180 X/BL  
INLET 3.0'  
BOTTOM 5.0'

DATE	TEST NO.		DEPTH	PRE-WET		TEST - 1" DROP		TIME
				START	STOP	START	STOP	
9-1-87	A	B	4.0	11:19	11:21	11:21	11:27	6
			6.0	11:49	11:51	11:51	11:54	3
		M	7.0	11:19	11:40	1/4 inch	failed	(isolated pocket)
		D	12.5	Bottom (see profile)				
	B	V	12.0	(see profile)				ok
	D	S	3.5	11:30	11:37	11:37	11:45	8
		D	11.5	Bottom (see profile)				
	C	S	3.5	11:33	11:36	11:36	11:41	5
	V	D	14.5	Bottom (see profile)				

REMARKS Holes as per plat.

TYPE OF SOIL 0-4 Red sa si 1m, 4-14 Brown sa si, trace of white, sa si, gvl < 10%

TESTED BY JE Narleson ALSO PRESENT Olenk, Mark Wright

EH-12-1079

38 510245.5492 810764.6576

RED MAPLE 60' BRL WAY

LOT 45

Note: Limited house site for lot 45 min. first floor elev.: 464.0

LOT 46

HILLS

LOT 28

11/2/88 DID NOT FIND LOT 21

Scale 1"=100'

LOT 19  
4.35 AC±  
Note: Limited house site min first floor elev. 4640

LOT 20  
3.00 AC±

LOT 21

LOT 22

LOT 23

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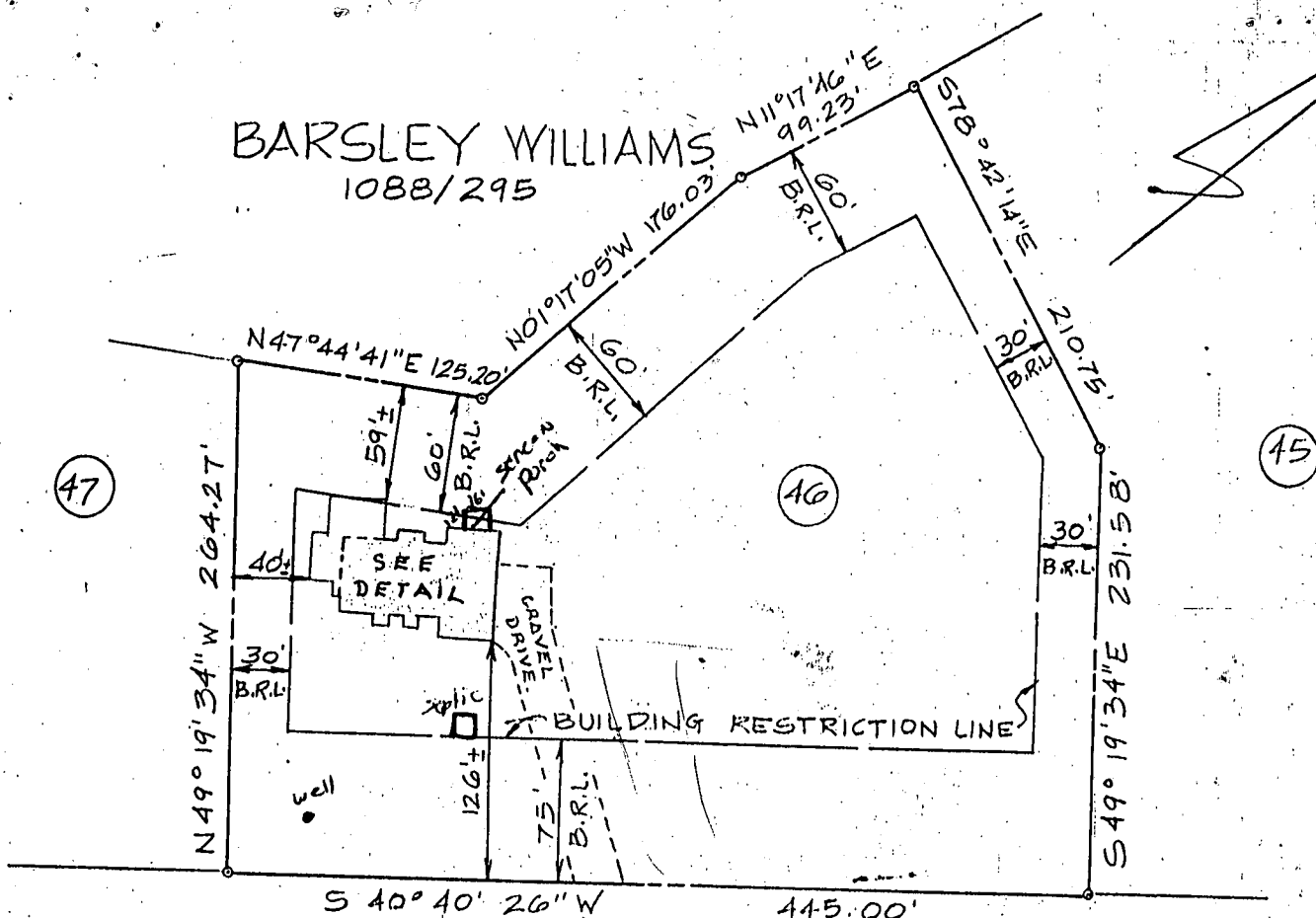
LOT 374

LOT 375

LOT 376

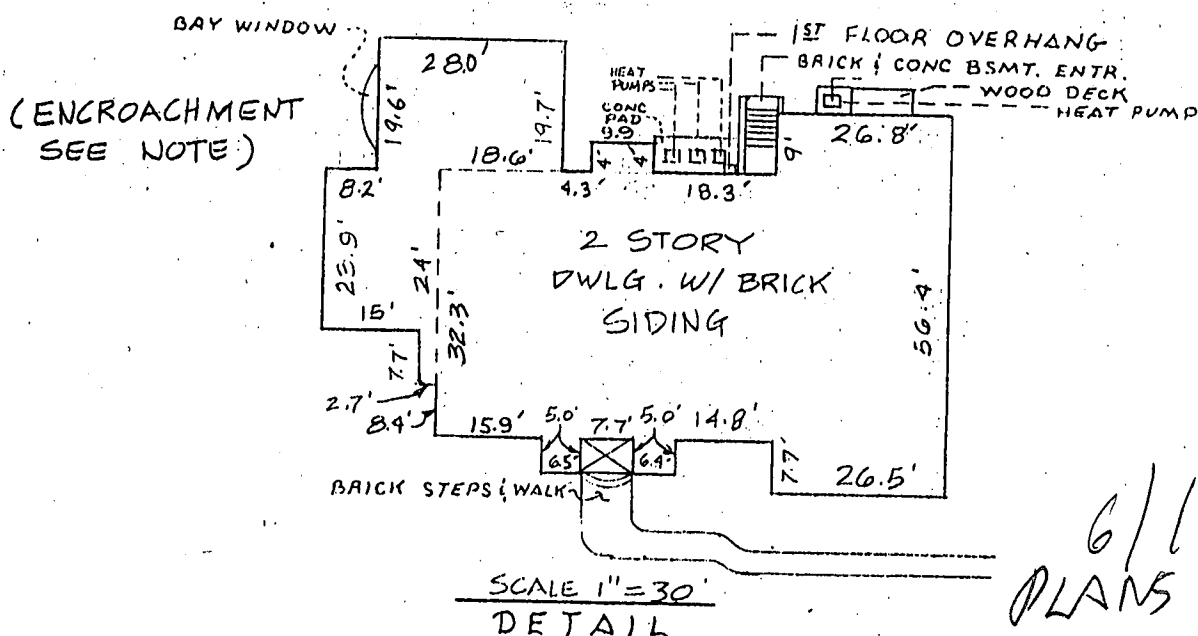
LOT 377

LOT 37



**TWELVE HILLS ROAD**  
(50' R/W)

SCALE: 1" = 100'

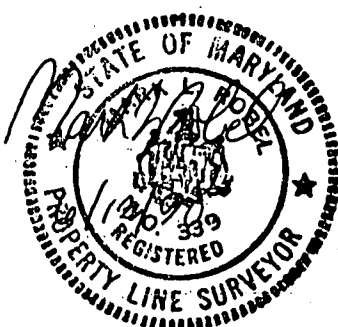


6/17/9  
PLANS OK TO SIGN  
LOT 46 SECTION 3  
"TWELVE HILLS"  
FLAT # 8548  
5TH ELECTION DISTRICT  
HOWARD COUNTY, MD.

NOTE: CONC. BLOCK FOUNDATION APPEARS TO ENCROACH OVER 60' BUILDING RESTRICTION LINE (VARIANCE GRANTED 4-9-90 PER CASE # 90-05)

Note: The information on this plat shows only that the improvements indicated hereon are contained within the outlines of the lot upon which they were erected, unless otherwise noted, and is not to be used to establish property lines or corners.

I hereby certify that I have examined the current Flood Insurance Rate Map (FIRM Map # 240044-0026-B) for the subject property and it does not lie in an area identified by the Secretary of Housing and Urban Development as having Special flood or mudslide hazards.



Location Survey of: #1306 TWELVE HILLS ROAD

job no. 89-97

**Vitti, Robel and Associates, Inc.**

AS  
scale SHOWN

ENGINEERING & SURVEYING

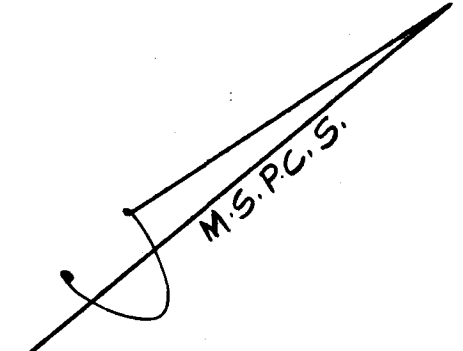
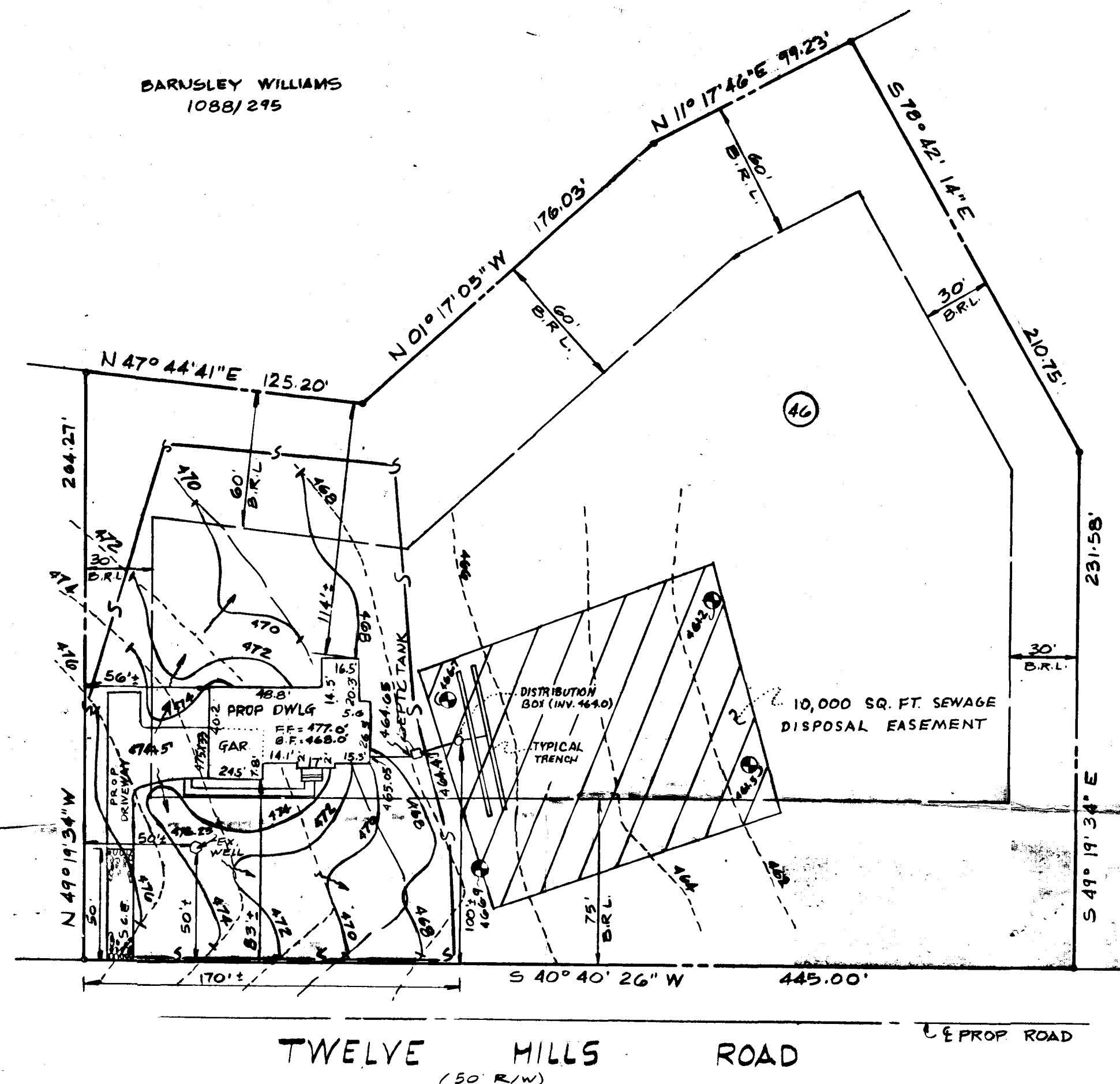
date 6-12-90

1717 York Road Suite 2B Lutherville, MD 21093

drawn S.B.

252-4552

checked M.L.R.



NOTE: CONTRACTOR TO PROVIDE POSITIVE DRAINAGE AWAY FROM FOUNDATION AT ALL TIMES.

NOTE: THE BASEMENT OF THIS HOUSE CAN BE SEWERED BY GRAVITY.

I CERTIFY THAT THE ABOVE MEASUREMENTS AND ELEVATIONS ARE ACTUAL AND CORRECT FOR THIS PROPERTY.

Mark L. Robel  
MARK L. ROBEL, #334  
6-18-89  
DATE



VITTI, ROBEL & ASSOCIATES, INC.  
ENGINEERING & SURVEYING  
1717 YORK ROAD SUITE 2B LUTHERVILLE, MD. 21093  
(301) 292-4952

- LEGEND:**
- S40-----: EXISTING CONTOUR
  - S40-----: PROPOSED CONTOUR
  - S-----S: SILT FENCE
  - S.C.E.: STABILIZED CONSTRUCTION ENTRANCE

FIRST FLOOR ELEV. - 477.0  
BASEMENT ELEV. - 468.0  
INV. EL. OUT OF HOUSE - 465.05

SEPTIC TANK:  
EX. ELEV. - 467.90  
INVERT IN - 464.65  
INVERT OUT - 464.40

DISTRIBUTION BOX:  
EX. ELEV. - 467.0  
INVERT IN - 464.0

*Handwritten signature: RANS*

SITE PLAN  
LOT 46  
"TWELVE HILLS"  
SECTION 3-PLAT #8548

5th ELEC. DIST. HOWARD CO., MD.  
SCALE: 1" = 50' JUNE 17, 1989

*Handwritten signature: BH*  
*Handwritten date: 7/16/89*



B 1 1336

SEQUENCE NO.  
(DP USE ONLY)STATE OF MARYLAND  
PERMIT TO DRILL WELL

please print or type

STATE PERMIT NUMBER

H0-88-0506

fill in this form completely

Date Received (APA)

070188

## OWNER INFORMATION

LAWSON

Owner

First Name

FENNIV

7653GREENDELL

Street or RFD

LAWSON

HIGHLAND

Town

70 State 72

Zip

76

## DRILLER INFORMATION

Driller's Name

Joseph L. Mayne

238

77 License No. 80

Firm Name

Joseph L. Mayne Well Drilling

Address

5512 Ridge Rd. Mt. Airy, Md. 21771

Signature

Joseph L. Mayne

Date 8/26/88

## WELL INFORMATION

APPROX. PUMPING RATE (GAL. PER MIN.)

5

AVERAGE DAILY QUANTITY NEEDED  
(GAL. PER DAY)

500

## 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)

APPROXIMATE DEPTH OF WELL 300 FEET

APPROXIMATE DIAMETER OF WELL 6 INCH

## METHOD OF DRILLING (circle one)

BORED (or Augered)

JETTED

Jettied &amp; DRIVEN

AIR-ROTARY

AIR-PERCussion

ROTARY (Hydraulic Rotary)

CABLE

REVERSE-ROTARY

DRIVE-POINT

other

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 DEEPEMED AN EXISTING WELLPERMIT NUMBER OF WELL TO BE REPLACED OR DEEPEMED  
(IF AVAILABLE)

Not to be filled in by driller (OEP USE ONLY)

APPROP. PERMIT NUMBER

54

G

A

P

63

FORCE

WRITE INITIALS IN BOX

PERMIT NO.

H0-88-0506

70

71

72

73

74

75

76

77

78

79

SPECIAL CONDITIONS

## LOCATION OF WELL

H0880506

8 COUNTY

TWELVE HILLS

23 SUBDIVISION

SECTION 3

LOT 210

LAKESVILLE

52 NEAREST TOWN

MILES FROM TOWN (enter 0 if in town)

2 1/2

73

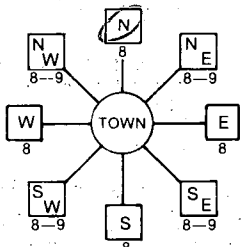
76

77

78

B 4

DIRECTION OF WELL FROM TOWN (CIRCLE BOX)



Twelve Hills Road

NEAR WHAT ROAD

ON WHICH SIDE OF ROAD  
(CIRCLE APPROPRIATE BOX)NORTH  
WEST  
EAST  
SOUTH3  
DISTANCE FROM ROAD

ENTER FT or MI FT

NOT TO BE FILLED IN BY DRILLER  
HEALTH DEPARTMENT APPROVAL

HOWARD

COUNTY NAME

39897

COUNTY NO.

STATE

SIGNATURE

INSERT S

DATE ISSUED

050389

CO SIGNATURE

EXP. DATE

NORTH

GRID 511000

50

55

EAST

GRID 021000

57

63

SHOW MAJOR FEATURES OF BOX &amp; LOCATE WELL WITH AN X

SOURCES OF DRILLING WATER

1. WELL

2.

3.

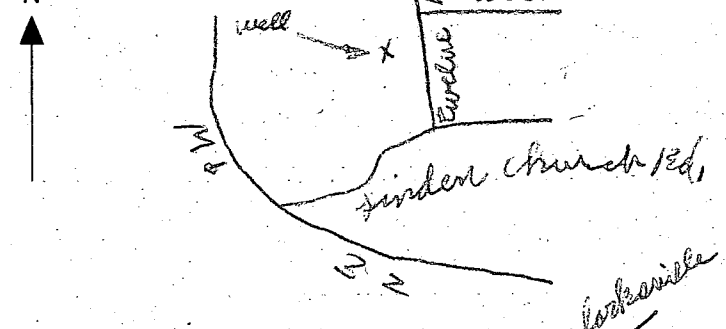
WRITE THE BOX NUMBER FROM THE MAP HERE

E 810  
N 510

4/18/89 9:30  
55' CASING GROUT  
45' OPEN OBS'D  
20 BAGS  
1' CASING A.G.  
X \*  
000 JTAG OK MR  
000 6/1/89

DRAW A SKETCH BELOW SHOWING LOCATION OF WELL IN RELATION TO NEARBY TOWNS AND ROADS AND GIVE DISTANCE FROM WELL TO NEAREST ROAD JUNCTION

N



COUNTY

<b>C1</b> 0694		SEQUENCE NO. (DENV USE ONLY)		<b>STATE OF MARYLAND</b> <b>WELL COMPLETION REPORT</b> FILL IN THIS FORM COMPLETELY PLEASE PRINT OR TYPE				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 <b>A 39892</b>			
DATE Received		DATE WELL COMPLETED		Depth of Well				PERMIT NO. FROM "PERMIT TO DRILL WELL"			
8 13		15 20		22 26 (TO NEAREST FOOT)				28 29 30 31 32 33 34 35 36 37			
OWNER <b>LAWSON TOMMY</b>		last name first name		STREET OR RFD <b>TWELVE HILLS ROAD</b>				TOWN <b>CLARKVILLE</b>			
SUBDIVISION <b>TWELVE HILLS</b>		SECTION <b>3</b>		LOT <b>28 46</b>							
<b>WELL LOG</b> Not required for driven wells				<b>GROUTING RECORD</b>				<b>C 3</b>			
STATE THE KIND OF FORMATIONS PENETRATED, THEIR COLOR, DEPTH, THICKNESS AND IF WATER BEARING				WELL HAS BEEN GROUTED (Circle Appropriate Box)				<b>Y</b> <b>N</b>			
DESCRIPTION (Use additional sheets if needed)				TYPE OF GROUTING MATERIAL							
FEET				CEMENT <b>CM</b> BENTONITE CLAY <b>BC</b>							
FROM TO				NO. OF BAGS <b>30</b> NO. OF POUNDS <b>1800</b>							
Check if water bearing				GALLONS OF WATER <b>120</b>							
				DEPTH OF GROUT SEAL (to nearest foot)							
				from <b>0</b> ft. to <b>45</b> ft.							
				(enter 0 if from surface)							
				<b>CASING RECORD</b>							
				casing types insert appropriate code below							
				<b>ST</b> <b>CO</b> STEEL CONCRETE							
				<b>PL</b> <b>OT</b> PLASTIC OTHER							
				MAIN Casing TYPE <b>ST</b>							
				Nominal diameter top (main) casing (nearest inch) <b>6</b>							
				Total depth of main casing (nearest foot) <b>360</b>							
				OTHER CASING (if used)							
				diameter inch from to							
				screen type or open hole insert appropriate code below							
				<b>ST</b> <b>BR</b> <b>HO</b> STEEL BRASS OPEN HOLE							
				<b>PL</b> <b>OT</b> PLASTIC OTHER							
				<b>C 2</b>							
				DEPTH (nearest ft.) <b>360</b>							
				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							
				LOCATION OF WELL ON LOT							
				SHOW PERMANENT STRUCTURE SUCH AS BUILDING, SEPTIC TANKS, AND/OR LANDMARKS AND INDICATE NOT LESS THAN TWO DISTANCES (MEASUREMENTS TO WELL)							
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. <b>328</b>				DRILLERS SIGNATURE (MUST MATCH SIGNATURE ON APPLICATION)							
SITE SUPERVISOR (sign. of driller or journeyman responsible for sitework if different from permittee)											

COUNTY

2/22/90

HOWARD COUNTY HEALTH DEPARTMENT  
Bureau of Environmental Health  
3525-H Ellicott Mills Drive  
Ellicott City, MD 21043  
461-9933

APPLICATION FOR PITLESS ADAPTER, WELL PUMP AND PRESSURE TANK INSTALLATION

New Installation ☒  
Replacement ☐

Receipt # 45386  
Date 2/22/90

Name of Installer BdWot

Telephone \_\_\_\_\_

License Number 12965

Certified Well Pump Installer ☒ Well Driller \_\_\_\_\_ Registered Plumber \_\_\_\_\_

Name of Property Owner TOM LAWSON

Telephone 854-2819

Subdivision DUELING HILLS Lot # 412 Well Tag # HO-88-0586

Site Address 13067 DUELING HILLS RD.

Pump

1. Type

- a. Deep well jet \_\_\_\_\_  
b. Shallow well jet \_\_\_\_\_  
c. Submersible \_\_\_\_\_

2. Make \_\_\_\_\_

3. Model # \_\_\_\_\_

4. Capacity \_\_\_\_\_ GPM

5. Pump exceeds well capacity Yes \_\_\_\_\_ No \_\_\_\_\_

6. If Yes, is low pressure cutoff switch installed? Yes \_\_\_\_\_ No \_\_\_\_\_

7. What methods are used to protect the pump and electrical wiring from vibrations? Torque arrestors \_\_\_\_\_ Cable guards \_\_\_\_\_ Other \_\_\_\_\_

Motor

1. Horsepower \_\_\_\_\_

2. RPM \_\_\_\_\_

3. Voltage \_\_\_\_\_

a. 110 \_\_\_\_\_

b. 220 \_\_\_\_\_

Pitless Adapter

1. Make \_\_\_\_\_

2. Model # \_\_\_\_\_

3. Depth \_\_\_\_\_

Tank

1. Capacity \_\_\_\_\_

2. Pressure relief valve? \_\_\_\_\_

Piping

1. Type \_\_\_\_\_

2. Size \_\_\_\_\_

3. NSF and/or BOCA

Code approved \_\_\_\_\_

4. Depth of supply line \_\_\_\_\_

Well data

1. Depth 360 ft.

2. Yield 2.5 GPM

3. Static water level 24 ft.

4. Will water supply be disinfected by installer? ☒

MR 2/22/90 NO INSP  
P.A. 5 B-G. OK MR 2/23/90

I understand that it is my responsibility to notify the Howard County Health Department when the installation is ready for inspection (otherwise this permit is null and void).

All information given above is true to the best of my knowledge.

Signature of Applicant: Wayne Thompson

Date: 2/22/90

Note: A sticker indicating approval/status of the installation will be placed on the well casing at the time of the inspection.