

5/23/88 1P

04-344790

PERMIT

SEWAGE DISPOSAL SYSTEM

MARYLAND STATE DEPARTMENT OF HEALTH*

HOWARD COUNTY

BUREAU OF ENVIRONMENTAL HEALTH
461-9933

INDEXED

04

P 41647

A 31254

DISTRICT 4th

DATE 4/28/88

DATE SYSTEM APPROVED 5/24/88

INSPECTOR (B)

Fralls Septic Service

~~Arnold Backhoe & Septic Services, Inc.~~

IS PERMITTED TO INSTALL X ALTER

ADDRESS P. O. Box 15, Woodbine, Maryland 21797 PHONE 795-7873

SUBDIVISION Patapsco Overlook II ROAD 649 Weller Drive LOT 20, Section 2

PROPERTY OWNER Richard Tippet

ADDRESS

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

GARBAGE GRINDER? YES NO X

SEPTIC TANK CAPACITY 1250 GALLONS NUMBER OF BEDROOMS 4

TRENCHES - 200 sq. ft. per bedroom. Trench to be 2 feet wide. Inlet 3 feet below original grade. Bottom maximum depth 7 feet below original grade. Effective area begins at 3 feet below original grade. 4 feet of stone below distribution pipe.

LOCATION - Start the first trench 390 feet from the front lot line and 135 feet from the left lot line as seen when facing the property from Weller Drive. Run trench(s) along contour towards rear of lot.

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

IF ELEVATIONS ARE APPROXIMATELY THE SAME CAN START SYSTEM AS SHOW ON SITE PLAN AND RUN TRENCHES TOWARDS WELLER DRIVE

OK/SL

PLANS APPROVED BY C. Williams/Bert Nixon DATE 12/29/86/04/22/88

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(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 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 APPROVAL ON THIS PERMIT**

*CALL 461-9933 FOR INSPECTION OF SEPTIC SYSTEMS.

EH - 2-1186

A
31254

PATAPSCO OVERLOOK II

A 31254

SUBDIVISION:

WELLER DRIVE

LOT NUMBER: 20

DRY WELL OR DRY WELL AND TRENCH

	Septic Tank	Minimum Total square Feet
3 bedroom	1000 gallon	
4 bedroom	1250 gallon	
5 bedroom	1500 gallon	

Inlet _____ feet below original grade.

Bottom maximum depth _____ feet below original grade.

Effective area begins at _____ feet below original grade.

NOTE: If trench is used to make up absorbent area, run the trench on level ground and leave a 5 foot earth buffer between dry well and trench. No trench is to exceed 100 feet in length. Trench inlet to be same as dry well, with _____ feet of stone below distribution pipe.

TRENCHES

200 sq. ft./bedroom

Trench to be 2 wide.

Inlet 3 feet below original grade.

Bottom maximum depth 7 feet below original grade.

Effective area begins at 3 feet below original grade.

4 feet of stone below distribution pipe.

200 linear ft
1800 sq ft

- NOTE:
- (1) No trench to exceed 100 feet in length.
 - (2) If more than one trench used, a distribution box is required.
 - (3) Trenches to be installed on level ground.
 - (4) Call for inspection of trench before gravel is installed.
 - (5) Provide 6"-8" diameter cleanout and cap to grade or above on septic tank and drywell.
 - (6) If a Garbage disposal is used, increase septic tank capacity by 50% and increase absorbant sidewall area by 22%.

LOCATION: START THE FIRST TRENCH 390' FROM
THE FRONT LOT LINE AND 135' FROM THE LEFT
LOT LINE AS SEEN WHEN FACING THE PROPERTY
FROM WELLER DRIVE. RUN TRENCH(S) ALONG CONTOUR
TOWARD REAR OF LOT.

12/29/86 C. Waller

BP shows trenches running towards
weller Dr. OK'd if elevations of high
area = same

PRELIMINARY

APPLICATION

SEWAGE DISPOSAL TESTING

STATE OF MARYLAND - DEPARTMENT OF HEALTH AND MENTAL HYGIENE

HOWARD COUNTY HEALTH DEPARTMENT
ENVIRONMENTAL HEALTH SERVICES

P. O. BOX 473 'ELLCOTT CITY, MARYLAND 21043
TELEPHONE: 992-2330'

DISTRICT 4th

DATE 3/26/81

A 3/254

P _____

TO: THE COUNTY HEALTH OFFICER
ELLCOTT CITY, MARYLAND

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

PROPERTY OWNER Georgia Avenue Properties, Inc.

RICHARD TIPPETT

760-7829

Jack Boender

ADDRESS 13638 Georgia Avenue, Wheaton, Md. 20906

PHONE 465-7777

PROPERTY LOCATION:

SUBDIVISION Georgia Avenue

LOT NO.

20

ROAD AND DESCRIPTION

Route 94 and Old Frederick Road

649 Weller Drive

SIZE OF LOT

3 acres m/l

TYPE BLDG.

3 or 4 bedrooms

(NUMBER OF BEDROOMS)

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.

/s/ Jack Boender for E. Brooke Lee, III

(SIGNATURE OF APPLICANT)

APPROVED BY

Sid Abel

FOR

Deer Meadows

DATE

8/28/87

REJECTED BY

FOR

DATE

HOLD PENDING FURTHER TESTS

DATE

REASONS FOR REJECTION OR HOLDING

BLDG. PERMIT SIGNED

AND RETURNED

8/28/87

BP/4011

THIS IS NOT A PERMIT

LOT 20

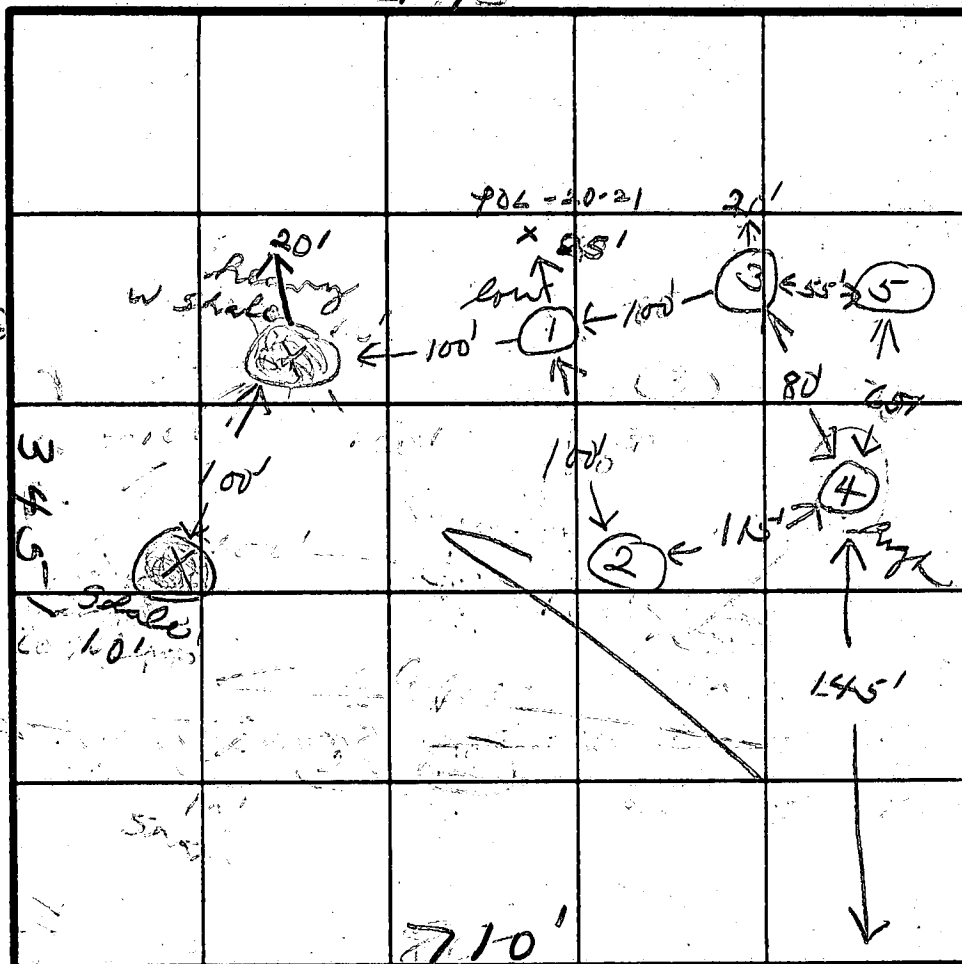
New 9

710

①

SOIL PROFILE

0'
 Clay
 2.5'
 loam (3' and)
 heavy Maple shale
 7.2'
 (2) (3)
 5' sandy
 loam
 3'
 loam,
 small rounded
 w. shale
 1.2'
 hand packed



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1' DROP		TIME
			START	STOP	START	STOP	
4/1/81	1S	3	3:23	3:25	3:25	3:28	3
	1M	7	3:23	3:34	3:34	3:46	12
	2S	3	3:34	3:36	3:36	3:39	3
4/2/81	2M	7	3:34	3:37	3:37	3:42	5
	3S	3	10:10	10:13	10:13	10:17	4
	3M	7	10:10	10:14	10:14	10:30	16
	4S	3	10:25	10:27	10:27	10:31	4
	4M	7	10:25	10:32	10:32	10:46	14
	5V	11 -	hand bottom				

3' inlet

8 min

⑤

13' clay
 loam
 11'

REMARKS

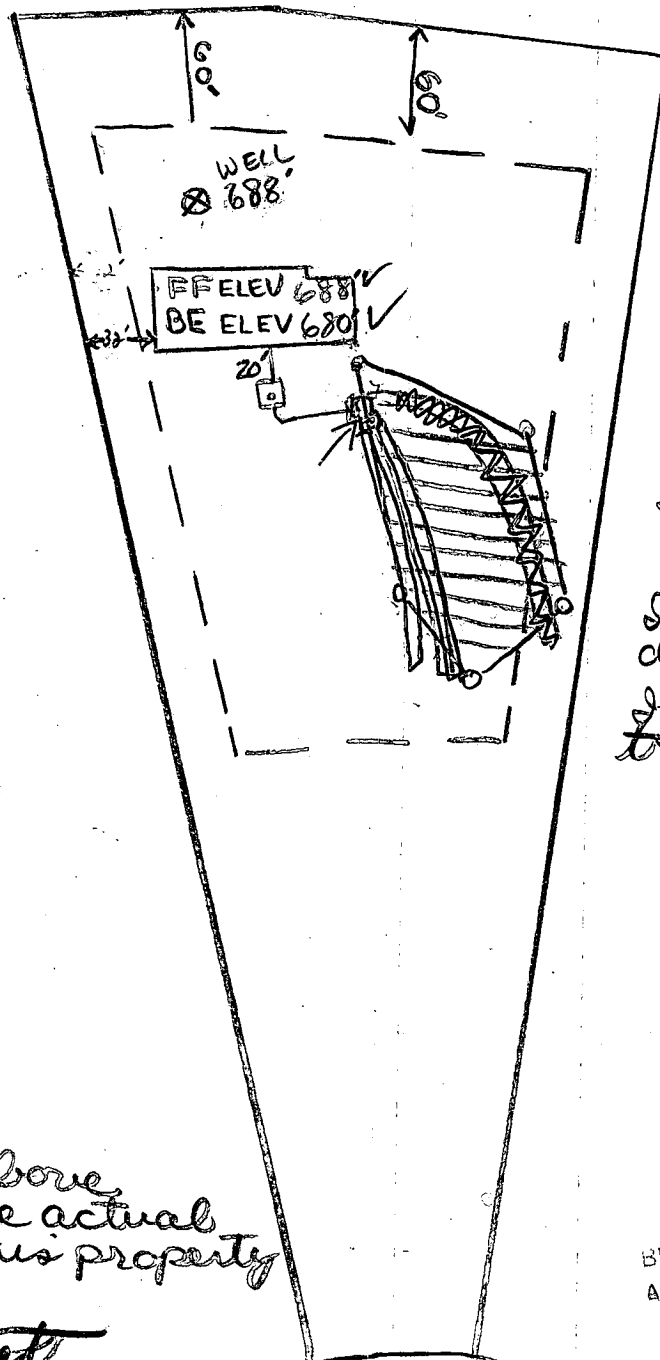
OK

TYPE OF SOIL

TESTED BY

ALSO PRESENT

Richard Lee



Inv. elev. out of house ~~680~~ 679.33
 Inv. elev. into septic tank 679
 Inv. elev. out of septic tank 678 / 678.70
 Inv. elev. into dist. box 676
 Inv. elev. into trench
 EXISTING \rightarrow 679
 GRADE
 AT TRENCH / DB

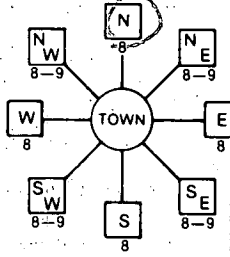
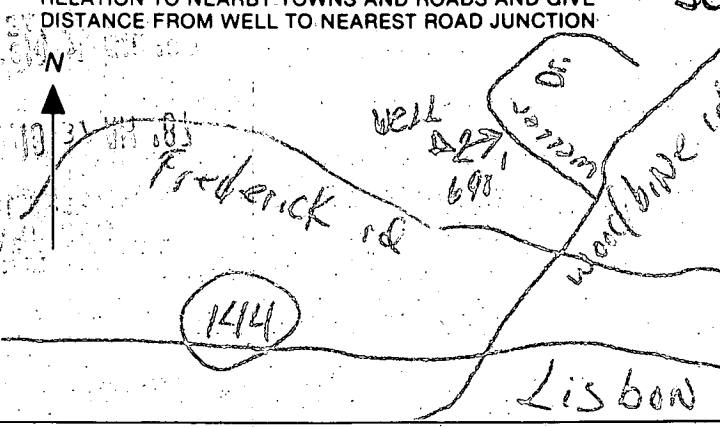
8/28/87
 elevations ch
 Rhr

BLDG. PERMIT SIGNED
 AND RETURNED 8/28/87
 Spahl
 BP 1401

I certify that the above
 measurements are actual
 and correct for this property

Richard C. Tippet

WELLER DRIVE

B 1 5532 <small>(THIS NUMBER IS TO BE PUNCHED IN COLS. 3-6 ON ALL CARDS)</small>	SEQUENCE NO. (OEP USE ONLY)	STATE OF MARYLAND PERMIT TO DRILL WELL please print or type	OEP PERMIT NUMBER 40-81-2212 <small>fill in this form completely</small>
Date Received 05/27/87 OWNER INFORMATION 15 Last Name: 7100 CHAT 34 Owner: Richard 36 First Name: 7515 LEMIN 55 Tied CH 57 Town: HAGANOVER 70 State: 72 MD 76 Zip: 21070		B 3 LOCATION OF WELL 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 8 COUNTY: HAWAII 21 23 SUBDIVISION: 1 42 SECTION: 2 44 46 LOT: 20 48 50 52 NEAREST TOWN: LISBON 71 MILES FROM TOWN (enter 0 if in town) 1 73 76 77 78 MI	
DRILLER INFORMATION Driller's Name: Bernard Frezer 77 License No. 80 570 Firm Name: Tri County Address: 1609 Frederick Rd. Lisbon Signature: [Signature] Date: 3/7/85		B 4 DIRECTION OF WELL FROM TOWN (CIRCLE BOX)  11 NEAR WHAT ROAD: 30 WELLS DRIVE ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX) NORTH [N] 32 EAST [E] WEST [W] SOUTH [S] 34 690 37 DISTANCE FROM ROAD ENTER FT or MI FT 38 39	
B 2 WELL INFORMATION 1 2 APPROX. PUMPING RATE (GAL. PER MIN.) 5 12 AVERAGE DAILY QUANTITY NEEDED (GAL. PER DAY) 500 14 20		NOT TO BE FILLED IN BY DRILLER HEALTH DEPARTMENT APPROVAL COUNTY NAME: Howard COUNTY NO. A 31254 OEP SIGNATURE: [Signature] STATE HEALTH INSERT S 41 DATE ISSUED: 08/04/87 EXP. DATE: 02-04-88 NORTH GRID: 553000 EAST GRID: 07800000 43 50 48 55 57 63	
USE FOR WATER (CIRCLE APPROPRIATE BOX) <input checked="" type="checkbox"/> HOME (SINGLE OR DOUBLE HOUSEHOLD UNIT ONLY) <input type="checkbox"/> FARMING (LIVESTOCK WATERING & AGRICULTURAL IRRIGATION) <input type="checkbox"/> INDUSTRIAL, COMMERCIAL, STATE AND FEDERAL GOV. OTHER (REQUIRES APPROPRIATION PERMIT) <input type="checkbox"/> PUBLIC OR PRIVATE WATER COMPANY (REQUIRES APPROPRIATION PERMIT AND STATE HEALTH DEPARTMENT APPROVAL) <input type="checkbox"/> TEST, OBSERVATION, MONITORING (MAY REQUIRE APPROPRIATION PERMIT)		SHOW MAJOR FEATURES OF BOX & LOCATE WELL WITH AN X SOURCES OF DRILLING WATER 1. 8-10-87 2. 40' open hole 3. 70' casing 2' above ground 20' bag cement (W) location ok, about 100 ft from back, prop line, 150 sample taken. JEN	
APPROXIMATE DEPTH OF WELL 230 24 28 FEET APPROXIMATE DIAMETER OF WELL 6 INCH NEAREST INCH		WRITE THE BOX NUMBER FROM THE MAP HERE E 7800 N 5503 DRAW A SKETCH BELOW SHOWING LOCATION OF WELL IN RELATION TO NEARBY TOWNS AND ROADS AND GIVE DISTANCE FROM WELL TO NEAREST ROAD JUNCTION 	
METHOD OF DRILLING (circle one) BORED (or Augered) JETTED Jetted & DRIVEN 30 AIR-ROTary 37 AIR-PERCussion ROTARY (Hydraulic Rotary) CABLE REVERSE-ROTary Drive-POINT other		REPLACEMENT OR DEEPEMED WELLS (CIRCLE APPROPRIATE BOX) <input checked="" type="checkbox"/> THIS WELL WILL NOT REPLACE AN EXISTING WELL <input type="checkbox"/> THIS WELL WILL REPLACE A WELL THAT WILL BE ABANDONED AND SEALED <input type="checkbox"/> THIS WELL WILL REPLACE A WELL THAT WILL BE USED AS A STANDBY <input type="checkbox"/> THIS WELL WILL DEEPEMED AN EXISTING WELL PERMIT NUMBER OF WELL TO BE REPLACED OR DEEPEMED (IF AVAILABLE) 41 52	
Not to be filled in by driller (OEP USE ONLY) APPROP. PERMIT NUMBER 54 GAP 63 FORCE 5 67 68 WRITE INITIALS IN BOX PERMIT NO. 40-81-2212 70 71 72 73 74 75 76 77 78 79		SPECIAL CONDITIONS	

B.R.L. INDICATES
BUILDING RESTRICTION LINES.

LOT 13
MATCH LINE SEE
SHEET 3 OF 3
11/11/00

LOT 22
3.340AC.

LOT 23

LOT 20
3.424 AC.

LOT 17
3.472 AC.

LOT 21
3.391AC.

MANOR
4
50

WE

13

Well Permit No. HO - 81-2212
Location of property (road) WELLEN DR.
Subdivision PATAPSCO OVERLOOK Lot 20 Block Plat Sec. 2
Well Driller ALLEN COAPTON Owner TRAFLET, RICHARD

Depth of well 250 ft.
Distance of measuring point (M.P.) above ground 2 ft.
Static water level (S.W.L.) below M.P. 50 ft.

Time pump started 1:00 Pumping rate _____
Total time 30 to reach pumping water level 170 ft. below M.P.

[illegible]

C16013

SEQUENCE NO.
(OEP USE ONLY)

STATE OF MARYLAND
WELL COMPLETION REPORT
FILL IN THIS FORM COMPLETELY
PLEASE PRINT OR TYPE

THIS REPORT MUST BE SUBMITTED WITHIN
45 DAYS AFTER WELL IS COMPLETED.

COUNTY
NUMBER

A-31254

DATE Received

DATE WELL COMPLETED

081087

Depth of Well

250

(TO NEAREST FOOT)

PERMIT NO.

FROM "PERMIT TO DRILL WELL"

40-81-2212

OWNER

Tippett

Richard

last name

first name

STREET OR RFD

Weller Dr.

TOWN

Lisbon

SUBDIVISION

PATPSCO OVERLOOK

SECTION

2

LOT

20

WELL LOG

Not required for driven wells

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

DESCRIPTION (Use
additional sheets if needed)

FEET

FROM

TO

Check
if water
bearing

Brown soil
shell

0

25

Dark Brown
soil

25

50

Shell

50

67

Gray rock

67

150

gray-white
rock

150

250

GROUTING RECORD

WELL HAS BEEN GROUTED
(Circle Appropriate Box)

TYPE OF GROUTING MATERIAL

CEMENT

CM

BENTONITE CLAY

BC

NO. OF BAGS

20

NO. OF POUNDS

1880

GALLONS OF WATER

120

DEPTH OF GROUT SEAL (to nearest foot)

from

0

ft. to

48

ft.

TOP

52

BOTTOM

58

(enter 0 if from surface)

CASING RECORD

casing
types
insert
appropriate
code
below

ST

CO

STEEL

CONCRETE

PL

OT

PLASTIC

OTHER

MAIN CASING TYPE

ST

Nominal diameter
top (main) casing
(nearest inch)

06

Total depth
of main casing
(nearest foot)

70

OTHER CASING (if used)

diameter
inch

depth (feet)
from

to

screen type
or open hole

insert
appropriate
code
below

ST

BR

HO

STEEL

BRASS

OPEN
HOLE

PL

OT

PLASTIC

OTHER

C2

DEPTH (nearest ft.)

1

HO

68

250

2

3

4

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

25

26

27

28

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30

31

32

33

34

35

36

37

38

39

40

41

42

43

44

45

46

47

48

49

50

51

SLOT SIZE 1

2

3

DIAMETER
OF SCREEN

56

60

(NEAREST
INCH)

from

to

GRAVEL PACK

IF WELL DRILLED WAS
FLOWING WELL INSERT
F IN BOX 68

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

CIRCLE APPROPRIATE LETTER
WHEN THIS WELL WAS COMPLETED

A

ELECTRIC LOG OBTAINED

E

TEST WELL CONVERTED TO PRODUCTION
WELL

P

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.

DRILLERS SIGNATURE

(MUST MATCH SIGNATURE ON APPLICATION)

SITE SUPERVISOR (sign of driller or journeyman
responsible for sitework if different from permittee)

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)

Weller Dr.

well

HEALTH

FIELD DATA SHEET
HOWARD COUNTY WELL YIELD TEST

Well Permit No. HO - 81-2212
Location of property (road) WELLEN DR
Subdivision PATAPSCO OVERLOOK Lot 20 Block Plat Sec. 2
Well Driller ALLEN COMPTON Owner TIPPLET, RICHARD

Depth of well 250'
Distance of measuring point (M.P.) above ground 2'
Static water level (S.W.L.) below M.P. 50'

I. High rate pumping -- reservoir drawdown

Time pump started 1:00 Pumping rate 10
Total time 3 min. to reach pumping water level 170 ft. below M.P.

II. Recovery pump test data - observations to be recorded every 15 minutes

[illegible]

APPLICATION FOR PITLESS ADAPTER, WELL PUMP AND PRESSURE TANK INSTALLATION

Howard County Health Department
Bureau of Environmental Health
3525-H Ellicott Mills Drive
Court House Square
Ellicott City, Md. 21043
461-9933

New Installation X
Replacement _____

Receipt # 41910
Date 5-27-88
6/7/88

Name of Installer Gartland Plumbing INC

Telephone 829-9238

License number 6352

Certified Well Pump Installer + Well Driller _____ Registered Plumber X

Name of Property Owner Richard L. Tippet Telephone 760-7829

Subdivision Potomac Overlook Lot # 20 Well tag # _____

Site Address 649 Weller Drive
MT. Airy, MD 21221

Pump

1. Type
 - a. Deep well jet _____
 - b. Shallow well jet _____
 - c. Submersible X

2. Make _____

3. Model # _____

4. Capacity 2 GPM

5. Pump exceeds well capacity Yes X No _____

6. If Yes, is low pressure cutoff switch installed? Yes X No _____

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

Motor

1. Horsepower 3/4

2. RPM 3450

3. Voltage _____

a. 110 _____

b. 220 X

Pitless Adapter

1. Make Halvard

2. Model # 1

3. Depth 42"

Tank

1. Capacity 42

2. Pressure relief

valve? yes

Piping

1. Type 160'

2. Size 1"

3. NSF and/or BOCA

Code approved yes

4. Depth of supply

line 250 ft.

Well data

1. Depth _____ ft.

2. Yield _____ GPM

3. Static water

level _____ ft.

4. Will water supply

be disinfected by

installer? no

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: [Signature]

Date: 5-27-88

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

JUN 1 10 38 AM '88

HOWARD COUNTY
BUREAU OF ENVIRONMENTAL HEALTH