

2/24/87
AS AP.

03 305600

PERMIT

SEWAGE DISPOSAL SYSTEM

MARYLAND STATE DEPARTMENT OF HEALTH

HOWARD COUNTY

BUREAU OF ENVIRONMENTAL HEALTH

461-9933

INDEXED

P 38403

A 26034

DISTRICT 3rd

DATE 4/9/87

DATE SYSTEM APPROVED 2/25/87

INSPECTOR C. Williams

Francis Dollinger

IS PERMITTED TO INSTALL ☒ ALTER ☐

ADDRESS Dollinger Road, Westminster, MD 21157 PHONE 848-5864

SUBDIVISION Friendship Manor ROAD 2653 Wellworth Way LOT 47

PROPERTY OWNER Helen Stangle Stanley

ADDRESS _____

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

GARBAGE GRINDER? YES _____ NO ☒

SEPTIC TANK CAPACITY 1250 GALLONS NUMBER OF BEDROOMS 4

TRENCHES - 130 sq. ft. per bedroom. Trench to be 3 feet wide. Inlet 4 feet below original grade. Bottom maximum depth 54 feet below original grade. Effective area begins 4 feet below original grade. 15 feet of stone below distribution pipe.

LOCATION - Start the first trench 55 feet from the front lot line and 110 feet from the left lot line as seen when facing the property from Wellworth Way. Run trench(s) along contour toward left side of property.

NOTE - No trench to exceed 100 feet in length. If more than one trench used, a distribution box is required. Provide 6" - 8" diameter cleanout and cap to grade or above on septic tank. ok/cw

PLANS APPROVED BY C. Williams DATE 6/09/86

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(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.

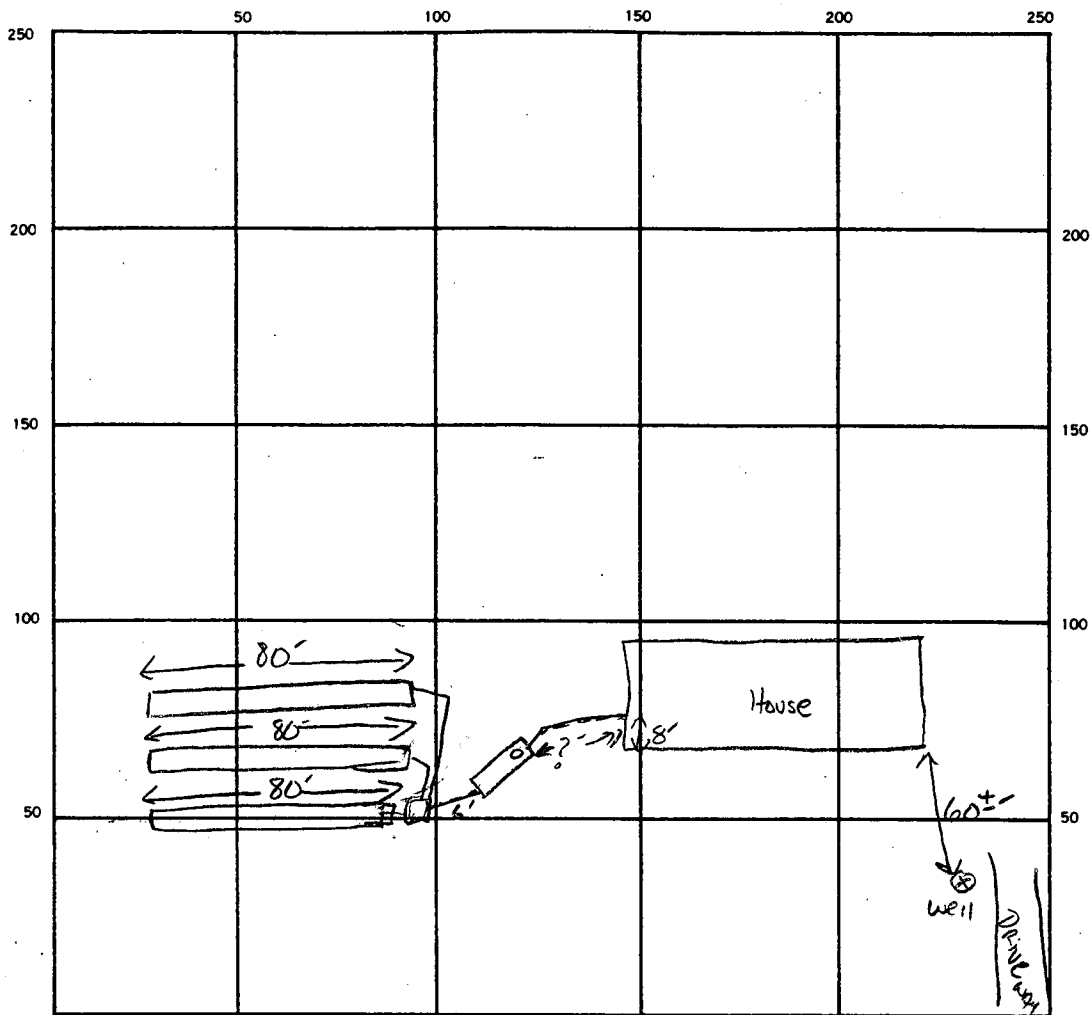
NOTE: DISTRIBUTION BOXES MUST HAVE BAFFLES.

*INSTALLER IS RESPONSIBLE FOR OBTAINING FINAL APPROVAL ON THIS PERMIT

*CALL 461-9933 FOR INSPECTION OF SEPTIC SYSTEMS.

EH - 2-1186

A 26034



INDICATE NORTH. — NAME ADJOINING ROADWAY AS BASE LINE.

wellworth way

SEPTIC TANK, LEVEL ☒

CLEANOUTS ☒ ST

DISTRIBUTION BOX, LEVEL ☒

DRAIN FIELD/TILE FIELD, DEPTH 5.5 FT. TRENCH WIDTH 3 FT. INLET DEPTH 4 FT.

EFFECTIVE GRAVEL DEPTH 1.5 FT. TOTAL LENGTH 240 FT.

NUMBER OF TRENCHES 3 ONE SIDEWALL/BOTTOM AREA 720 SQ. FT.

DRYWELL INSIDE DIAMETER FT. EFFECTIVE DEPTH BELOW INLET FT.

ABSORBENT AREA 720 SQ. FT.

REMARKS 3 1/2 TRENCHES COMPLETE. OK TO FINISH LAST TRENCH & COVER. 2/25/87 CW

DATE SYSTEM APPROVED

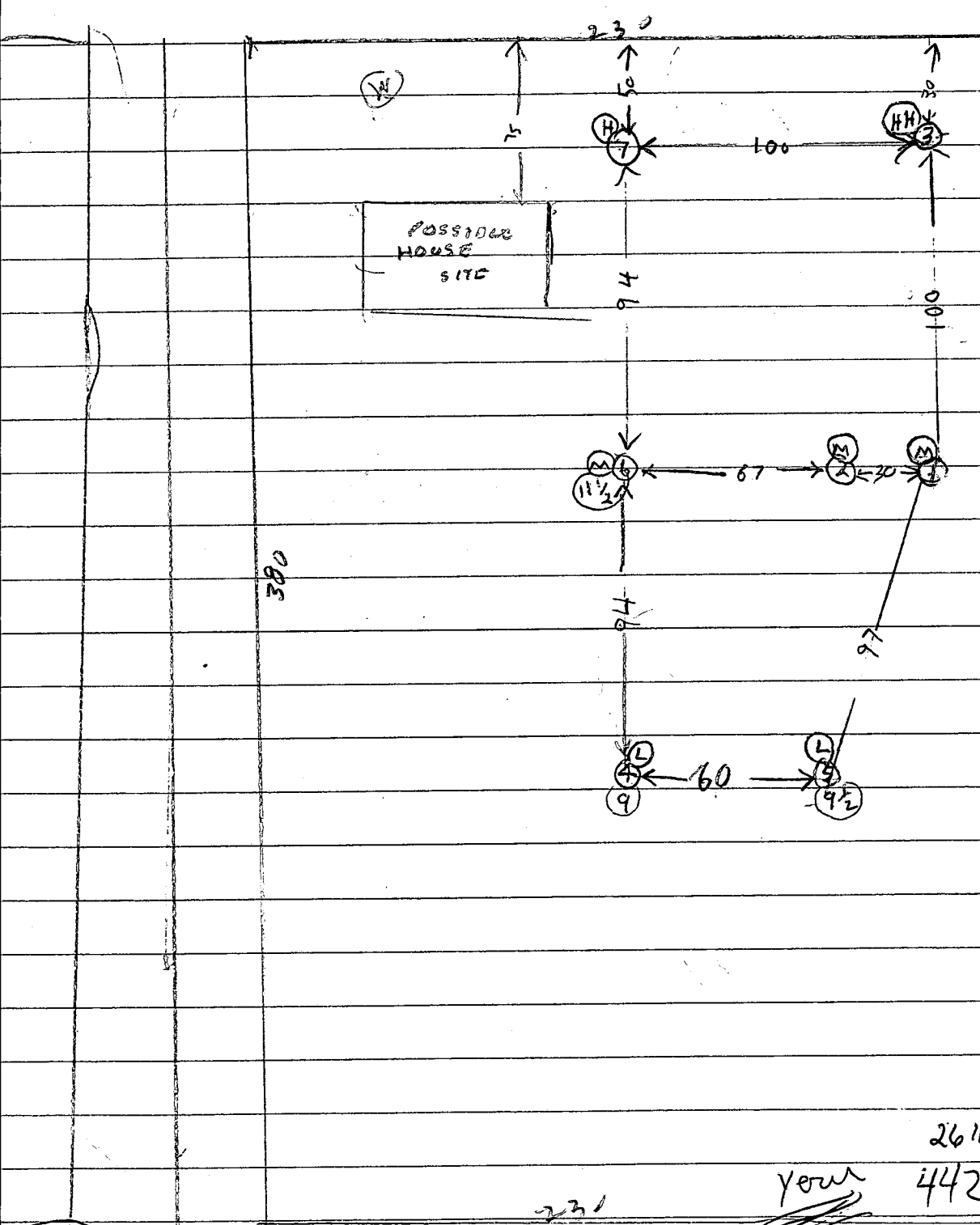
2/25/87

INSPECTOR

Craig Wilbur

FRIENDSHIP MANOR
Lat new H (now 47)

WELL WORTH WAY



HH = HIGHEST

H = LOWEST

m = MERIDIAN

L = LOW

⑨ = DEPTH WATER

OFF UNDERGROUND

B.O.G-RAPG

NOTE HOUSE

SITE IS LOWER

THAN 148144

BUT IT MAY BE

POSSIBLE TO

FILE FRONT

07746 407

SCALE

$$1'' = 50'$$

2611 WELL WORTH

your

442 2787

NOTE

25/11

FRIENDSHIP MANOR
 Lot near 11
 Rt 144 near Rt 32

	DEPTH	START	STOP	START	STOP	TIME
2/16/82	13	5	1056	1058	1053	1102 4
	1D	7 1/2	1056	1057	1057	1100 3
	1V	12	TOP 3 FT 4	CLAY 18 1/2		
	2V	9 1/2	BOT 9 FT	SANDY DRY		
	3V	12	TOP 2 FT	CLAY 13 1/2		
	4V	11	TOP 2 FT	CLAY 15 1/2		
	3S	4 1/2	1123	1126	1126	1130 4
	5V	10 1/2	TOP 4 FT	CLAY BOT 5 1/2 FT	SANDY	
2/16/82	6V	13	WATER 9 1/2 FT			
	6S	4	1204	1209	1209	1235 27
	6D	7 1/2	1205	1206	1206	1207 1
	7P	8	1210	1212	1212	1218 2
2/16/82	7S	5	1215	1217	1217	1220 3

Test By B. Hodges

Clade Cressel Digger
 V. Christopher owner present also

Associates

engineers
surveyors
planners

TOWN & COUNTRY PROFESSIONAL BUILDING
MARYLAND 21043
465-7777

LETTER OF TRANSMITTAL

DATE: October 12, 1981

ATTENTION: Dave O'Neil

RE: Friendship Manor, Lot 12
Section II

FILE: 81056

Howard County Department of Environmental
Health

- GENTLEMEN:

☒ WE ARE SENDING YOU ☒ ATTACHED ☐ UNDER SEPARATE COVER VIA _____ THE FOLLOWING ITEMS:
☐ SHOP DRAWINGS ☐ PRINTS ☐ PLANS ☐ SAMPLES ☐ SPECIFICATIONS
☐ COPY OF LETTER ☐ _____

copies	date	description
1	May, 1981	Copy of Percolation Test Plat

THESE ARE TRANSMITTED AS CHECKED BELOW:

☒ FOR APPROVAL ☐ APPROVED AS SUBMITTED ☐ RESUBMIT _____ COPIES FOR APPROVAL
☐ FOR YOUR USE ☐ APPROVED AS NOTED ☐ SUBMIT _____ COPIES FOR DISTRIBUTION
☐ AS REQUESTED ☐ RETURNED FOR CORRECTIONS ☐ RETURN _____ CORRECTED PRINTS
☐ FOR REVIEW AND COMMENT ☐ _____
☐ FOR BIDS DUE _____ 19 _____ ☐ PRINTS RETURNED AFTER LOAN TO US

REMARKS:

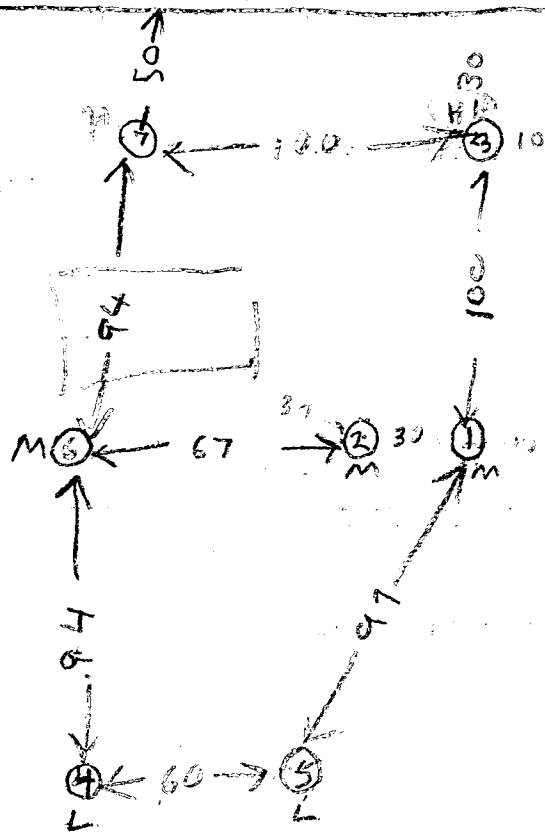
If you have any questions, please do not hesitate to contact this office at your
earliest convenience.

COPIES:

IF ENCLOSURES ARE NOT AS NOTED, KINDLY NOTIFY US AT ONCE.

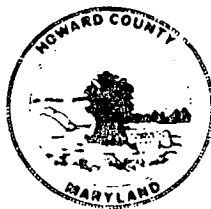
SIGNED: _____

BOENDER ASSOCIATES, INC.



HOWARD COUNTY HEALTH DEPARTMENT

JOYCE M. BOYD, M.D., M.P.H.
DEPUTY STATE AND
COUNTY HEALTH OFFICER



BUREAU OF ENVIRONMENTAL HEALTH
P.O. Box 476
ELLICOTT CITY, MARYLAND 21043
TELEPHONE: 992-2330

Lot 12

Friendship Manor

ADO Hall 6-17-71

Boender reports that field location
of perc holes shows that holes are 60'
west of my field sketches and are
in fact eliminating the house site.
He will do some preliminary digging
to see if perc is wise, or will
re combine lot 11 & 12 to provide a
house site.

Lot 47 - Friendship Manor - Section 2

Plat C.M.P. No. 5354

Situate in the Third Election District

Howard County, Maryland

September 29, 1986 Scale: 1" = 50'

JAMES L. BUSHEY, JR. L.S. NO. 7687

James L. Bushey Jr.

5122 Bushey Road, Sykesville, Md. 21784

Phone 795-0931



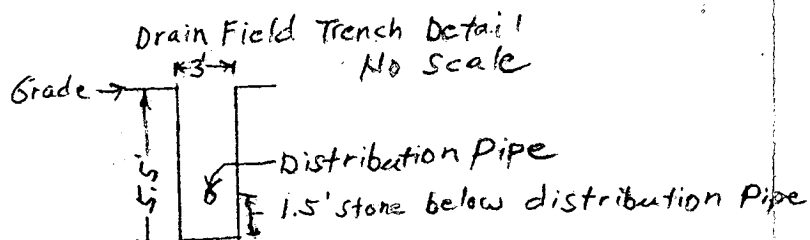
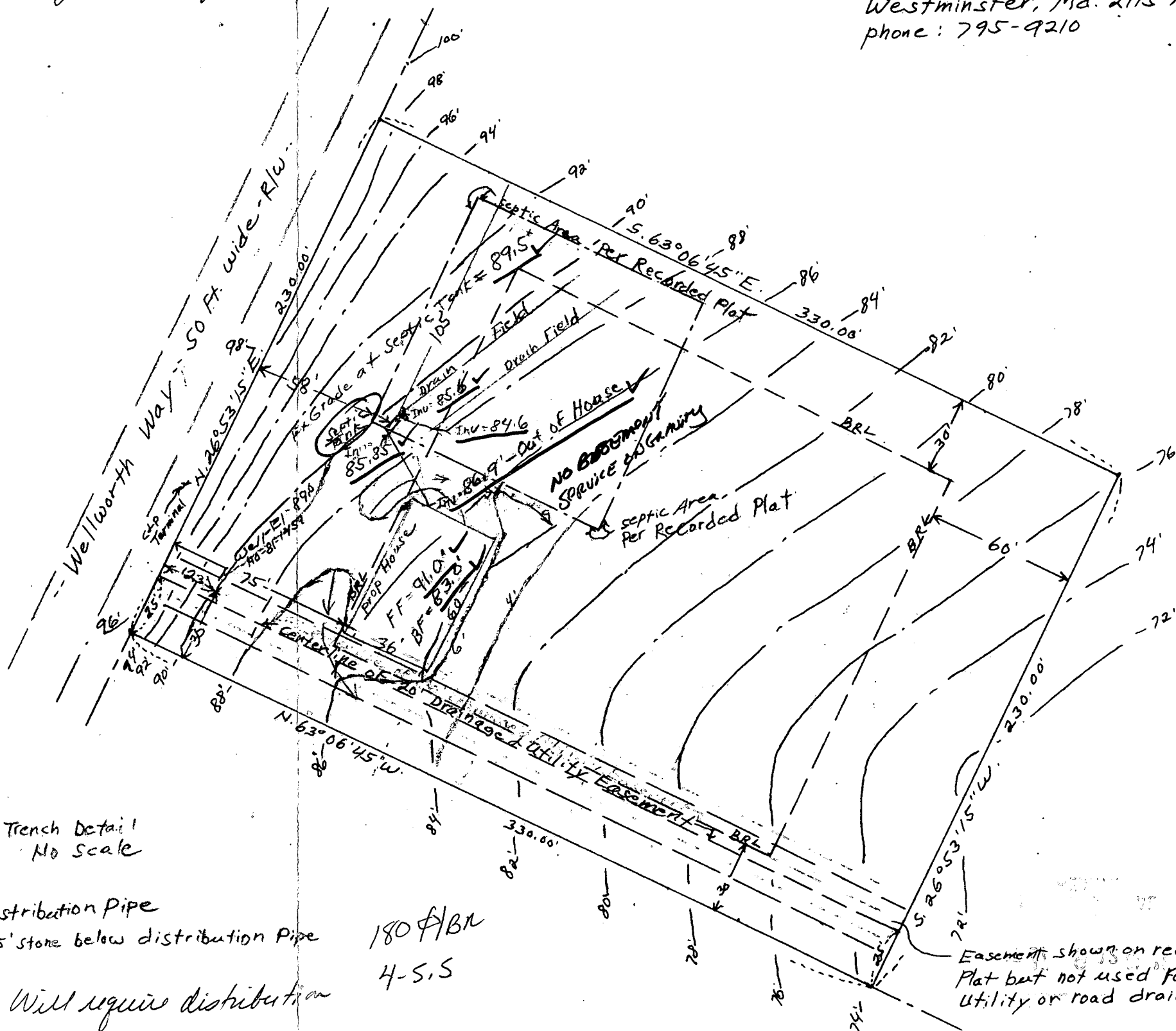
Notes:

- 1- Topo Field run - Assumed Datum
- 2- No grading on lot beyond 10'-15' (Slope Easement) along Wellworth Way.

I certify the above measurements and elevations are actual & correct for this property
James L. Bushey Jr.

Builder's Address:

Thomas Eugene Will
620 Oak Tree Road
Westminster, Md. 21157
phone: 795-9210



10/31/86
elevations ok
S. Hall

BLDG. PERMIT SIGNED
AND RETURNED 10/31/86
S. Hall

Will require distribution
box.

180 LF of 3BR
240 LF of 4BR > NO disposal

BP# 8568

ST 95' from well

LOCATION OF SYSTEM OK TO MAINTAIN LOWER ELEVATION THAN well. S. Hall

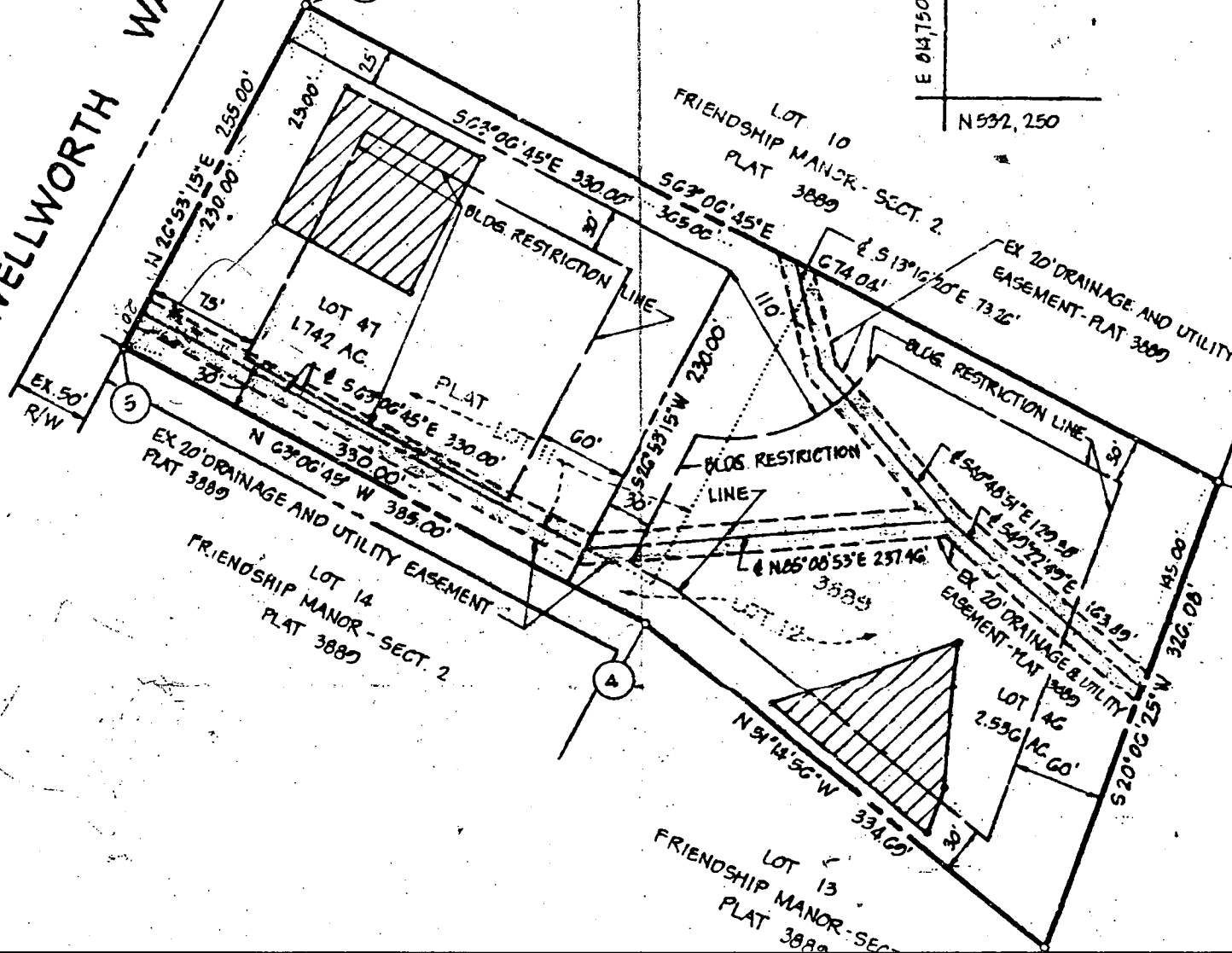
Easement shown on recorded
Plat but not used for either
utility or road drainage

E 814,000
N 532,250

E 814,000
N 531,750

WELLWORTH WAY

House 109



STATE DEPT. OF AS
HOWAR
Karen A
RECE
DATE: 1/31/93

J.D. HOFFMAN, ET AL
896/469

C1 00517 <small>THIS NUMBER IS TO BE PUNCHED IN COLS: 3-6 ON ALL CARDS</small>		SEQUENCE NO. <small>(OEP USE ONLY)</small>		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.																																					
DATE Received <div style="border: 1px solid black; width: 100px; height: 20px; margin: 5px;"></div>		DATE WELL COMPLETED <div style="border: 1px solid black; width: 100px; height: 20px; margin: 5px; text-align: center;">052886</div>		Depth of Well <div style="border: 1px solid black; width: 100px; height: 20px; margin: 5px; text-align: center;">200</div> (TO NEAREST FOOT)		COUNTY NUMBER A-26034 PERMIT NO. FROM "PERMIT TO DRILL WELL" <div style="border: 1px solid black; width: 100px; height: 20px; margin: 5px; text-align: center;">40-81-1459</div>																																					
OWNER STANLEY STREET OR RFD WELL WORTH WAY SUBDIVISION FRIENDSHIP MANOR SECTION 47 TOWN WEST FRIENDSHIP LOT 47																																											
WELL LOG Not required for driven wells STATE THE KIND OF FORMATIONS PENETRATED, THEIR COLOR, DEPTH, THICKNESS AND IF WATER BEARING		GROUTING RECORD WELL HAS BEEN GROUTED (Circle Appropriate Box) TYPE OF GROUTING MATERIAL CEMENT <input checked="" type="checkbox"/> CM BENTONITE CLAY <input checked="" type="checkbox"/> BC NO. OF BAGS 13 NO. OF POUNDS 1300 GALLONS OF WATER 65 DEPTH OF GROUT SEAL (to nearest foot) from <div style="border: 1px solid black; width: 40px; height: 20px; margin: 2px;"></div> ft. to <div style="border: 1px solid black; width: 40px; height: 20px; margin: 2px;"></div> ft. (enter 0 if from surface)		C 3 PUMPING TEST HOURS PUMPED (nearest hour) <div style="border: 1px solid black; width: 20px; height: 20px; margin: 2px; text-align: center;">3</div> PUMPING RATE (gal. per min. to nearest gal.) <div style="border: 1px solid black; width: 40px; height: 20px; margin: 2px;"></div> METHOD USED TO MEASURE PUMPING RATE Bucket WATER LEVEL (distance from land surface) BEFORE PUMPING <div style="border: 1px solid black; width: 40px; height: 20px; margin: 2px; text-align: center;">13</div> WHEN PUMPING <div style="border: 1px solid black; width: 40px; height: 20px; margin: 2px; text-align: center;">103</div> TYPE OF PUMP USED (for test) <input checked="" type="checkbox"/> A air <input type="checkbox"/> P piston <input type="checkbox"/> T turbine <input type="checkbox"/> C centrifugal <input type="checkbox"/> R rotary <input type="checkbox"/> O other (describe below) <input type="checkbox"/> J jet <input checked="" type="checkbox"/> S submersible																																							
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th rowspan="2">DESCRIPTION (Use additional sheets if needed)</th> <th colspan="2">FEET</th> <th rowspan="2">Check if water bearing</th> </tr> <tr> <th>FROM</th> <th>TO</th> </tr> </thead> <tbody> <tr> <td>topsoil</td> <td>0</td> <td>1</td> <td></td> </tr> <tr> <td>sandy shale</td> <td>1</td> <td>15</td> <td></td> </tr> <tr> <td>brown mica schist</td> <td>15</td> <td>45</td> <td><input checked="" type="checkbox"/></td> </tr> <tr> <td>gray mica</td> <td>45</td> <td>60</td> <td></td> </tr> <tr> <td>brown mica schist</td> <td>60</td> <td>70</td> <td><input checked="" type="checkbox"/></td> </tr> <tr> <td>gray mica</td> <td>70</td> <td>90</td> <td></td> </tr> <tr> <td>brown mica schist</td> <td>90</td> <td>100</td> <td><input checked="" type="checkbox"/></td> </tr> <tr> <td>gray mica</td> <td>100</td> <td>200</td> <td></td> </tr> </tbody> </table>		DESCRIPTION (Use additional sheets if needed)	FEET		Check if water bearing	FROM	TO	topsoil	0	1		sandy shale	1	15		brown mica schist	15	45	<input checked="" type="checkbox"/>	gray mica	45	60		brown mica schist	60	70	<input checked="" type="checkbox"/>	gray mica	70	90		brown mica schist	90	100	<input checked="" type="checkbox"/>	gray mica	100	200		CASING RECORD casing types insert appropriate code below <div style="border: 1px solid black; width: 40px; height: 40px; margin: 5px; text-align: center; display: flex; flex-direction: column; align-items: center;"> <div style="border: 1px solid black; width: 20px; height: 20px; margin: 2px;"></div> <div style="border: 1px solid black; width: 20px; height: 20px; margin: 2px;"></div> </div> MAIN CASING TYPE <input checked="" type="checkbox"/> ST Nominal diameter top (main) casing (nearest inch) <div style="border: 1px solid black; width: 20px; height: 20px; margin: 2px; text-align: center;">6</div> Total depth of main casing (nearest foot) <div style="border: 1px solid black; width: 20px; height: 20px; margin: 2px; text-align: center;">50</div> OTHER CASING (if used) diameter inch from to <div style="border: 1px solid black; width: 40px; height: 20px; margin: 2px;"></div>		PUMP INSTALLED DRILLER WILL INSTALL PUMP YES <input checked="" type="checkbox"/> NO <input type="checkbox"/> IF DRILLER INSTALLS PUMP, THIS SECTION MUST BE COMPLETED FOR ALL WELLS EXCEPT HOME USE TYPE OF PUMP INSTALLED PLACE (A,C,J,P,R,S,T,O) IN BOX - SEE ABOVE: <div style="border: 1px solid black; width: 40px; height: 20px; margin: 2px;"></div> CAPACITY: GALLONS PER MINUTE (to nearest gallon) <div style="border: 1px solid black; width: 40px; height: 20px; margin: 2px;"></div> PUMP HORSE POWER <div style="border: 1px solid black; width: 40px; height: 20px; margin: 2px;"></div> PUMP COLUMN LENGTH (nearest ft.) <div style="border: 1px solid black; width: 40px; height: 20px; margin: 2px;"></div> CASING HEIGHT (circle appropriate box and enter casing height) <input checked="" type="checkbox"/> above } LAND SURFACE <div style="border: 1px solid black; width: 20px; height: 20px; margin: 2px; text-align: center;">2</div> (nearest foot) <input type="checkbox"/> below }	
DESCRIPTION (Use additional sheets if needed)	FEET		Check if water bearing																																								
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C 2 screen type or open hole insert appropriate code below <div style="border: 1px solid black; width: 40px; height: 40px; margin: 5px; text-align: center; display: flex; flex-direction: column; align-items: center;"> <div style="border: 1px solid black; width: 20px; height: 20px; margin: 2px;"></div> <div style="border: 1px solid black; width: 20px; height: 20px; margin: 2px;"></div> </div> SCREEN RECORD <input checked="" type="checkbox"/> ST STEEL <input type="checkbox"/> BR BRASS <input type="checkbox"/> HO OPEN HOLE <input type="checkbox"/> PL PLASTIC <input type="checkbox"/> OT OTHER DEPTH (nearest ft.) 1 <div style="border: 1px solid black; width: 20px; height: 20px; margin: 2px; text-align: center;">140</div> 2 <div style="border: 1px solid black; width: 20px; height: 20px; margin: 2px; text-align: center;">48</div> 3 <div style="border: 1px solid black; width: 20px; height: 20px; margin: 2px; text-align: center;">200</div> SLOT SIZE 1 _____ 2 _____ 3 _____ DIAMETER OF SCREEN <div style="border: 1px solid black; width: 40px; height: 20px; margin: 2px;"></div> (NEAREST INCH) GRAVEL PACK _____ IF WELL DRILLED WAS FLOWING WELL INSERT F IN BOX 68 <div style="border: 1px solid black; width: 20px; height: 20px; margin: 2px;"></div>		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) <div style="border: 1px solid black; width: 100px; height: 100px; margin: 10px; position: relative;"> <div style="position: absolute; top: 0; left: 0; width: 100%; height: 100%; border: 1px solid black;"></div> <div style="position: absolute; top: 50%; left: 50%; transform: translate(-50%, -50%);"> well OK 20' </div> <div style="position: absolute; bottom: 0; left: 0; width: 100%; height: 100%; border: 1px solid black;"></div> </div>																																									
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. 40 DRILLERS SIGNATURE Robert K. Nuebe (MUST MATCH SIGNATURE ON APPLICATION) SITE SUPERVISOR (sign. of driller or journeyman responsible for sitework if different from permittee)		OEP USE ONLY (NOT TO BE FILLED IN BY DRILLER) T (E.R.O.S.) <div style="border: 1px solid black; width: 20px; height: 20px; margin: 2px;"></div> WQ <div style="border: 1px solid black; width: 20px; height: 20px; margin: 2px;"></div> 70 <div style="border: 1px solid black; width: 20px; height: 20px; margin: 2px;"></div> 72 <div style="border: 1px solid black; width: 20px; height: 20px; margin: 2px;"></div> 74 75 76 TELESCOPE CASING LOG INDICATOR OTHER DATA																																							

3/6/87

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 ☒
Replacement ☐

Receipt # 38428
Date 1/19/87

Name of Installer Kastner Plumbing & Heating, Inc.

Telephone 725 5000

License number 1862

Certified Well Pump Installer ☐ Well Driller ☐ Registered Plumber ☒

Name of Property Owner Helen Bradley

Telephone 575 7163

Subdivision Friendship Manor Lot # 47

Well tag # - - -

Site Address 2653 Wellworth Way
West Friendship, MD

Pump

1. Type

- a. Deep well jet ☐
b. Shallow well jet ☐
c. Submersible ☐

2. Make Gould's

3. Model # 50ES05412

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 ☐ ft.
2. Yield ☐ GPM
3. Static water level ☐ ft.
4. Will water supply be disinfected by installer? ☐

3-6-87 Pitless AT 38" Below Grade, Well Line 40" TO 48" Below Grade, Inside Work NOT DONE SFW

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: 1/19/87

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

Page _____ of _____
Date _____

Review OK 3/20/80

FIELD DATA SHEET
HOWARD COUNTY WELL YIELD TEST

Well Permit No. HO - 81 1459
Location of property (road) WILLWORTH WAY
Subdivision FRIENDSHIP MANOR Lot 47 Block Plat Sec.
Well Driller GEORGE YASTERDAY Owner STANLEY, JOSEPH

Depth of well 200 CGPM
Distance of measuring point (M.P.) above ground 1
Static water level (S.W.L.) below M.P. 43'

High rate pumping -- reservoir drawdown

Time pump started 12:30 Pumping rate 12
Total time 30 min. to reach pumping water level 103 ft. below M.P.

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

[illegible]