

7/14/88
7/15/88 NOON

05-402131

PERMIT

P 42132

A 37468

SEWAGE DISPOSAL SYSTEM

MARYLAND STATE DEPARTMENT OF HEALTH*

DISTRICT 5th

HOWARD COUNTY
BUREAU OF ENVIRONMENTAL HEALTH
461-9933

DATE 7/13/88

INDEXED

DATE SYSTEM APPROVED 7/10/88

INSPECTOR RIH

I.C.O.P.
Time expired

Hobbs Brothers IS PERMITTED TO INSTALL ALTER

ADDRESS P. O. Box 1013, Clarksville, Maryland 21029 PHONE 854-3259

SUBDIVISION Chapel Woods II ROAD 11753 Braqdon Woods Dr LOT Parcel 5

PROPERTY OWNER Mark Johnston

ADDRESS _____

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

GARBAGE GRINDER? YES _____ NO

SEPTIC TANK CAPACITY 1000 GALLONS NUMBER OF BEDROOMS 4

TRENCHES - 160 sq. ft. per bedroom. Trench to be 2 feet wide. Inlet 3.5 feet below original grade. Bottom maximum depth 8.5 feet below original grade. Effective area begins at 3.5 feet below original grade. 5 feet of stone below distribution pipe.

LOCATION - Place the first trench 98 feet along the front (208.15') lot line and 70 feet off the same lot line as seen when facing the lot from Right-of-way off Route 108. Run trenches on contour toward the 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.

NOTE 7/14/88 location adjusted slightly on field to maintain 20' off house & accommodate some trees
ok/cw

PLANS APPROVED BY Sid Abel DATE 5/16/88

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.

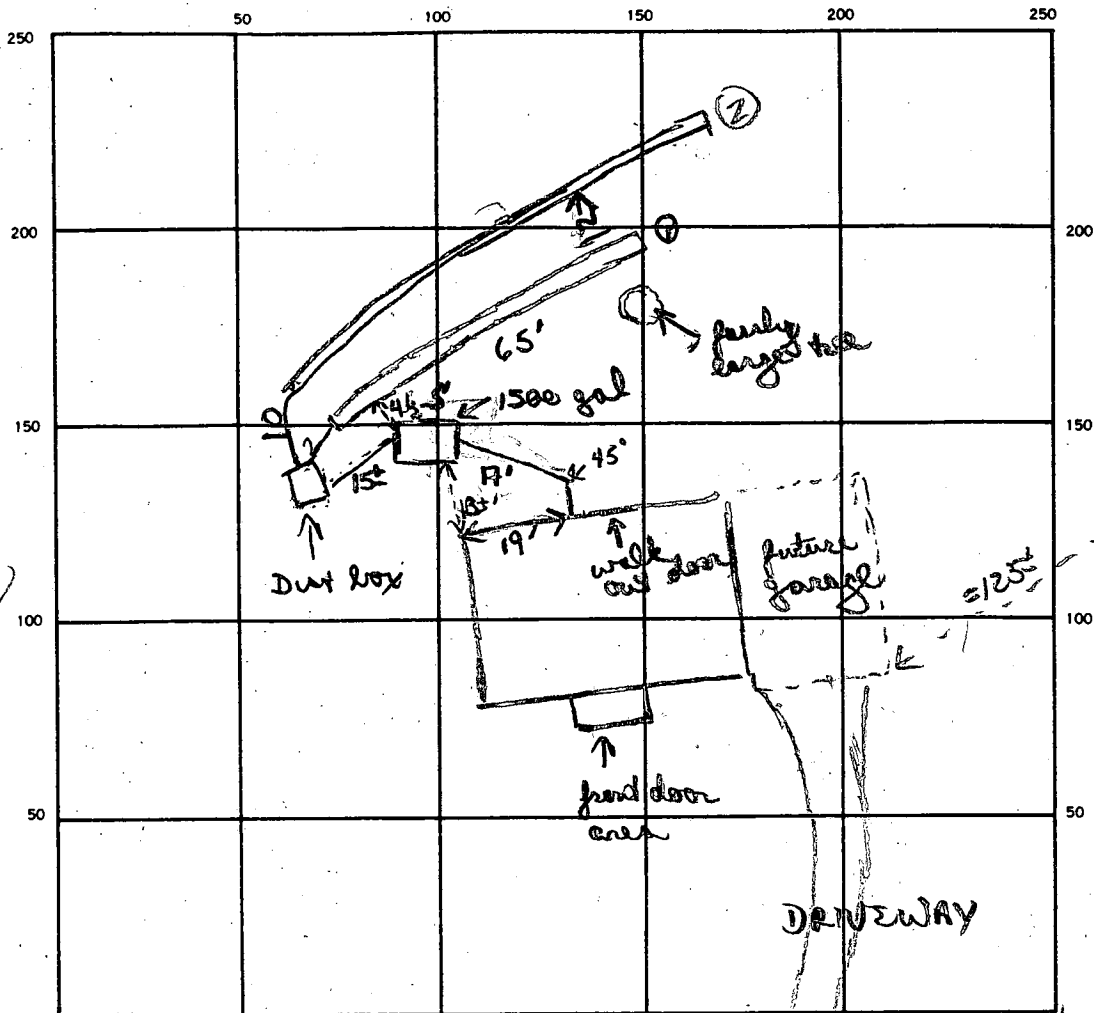
NOTE: DISTRIBUTION BOXES MUST HAVE BAFFLES.

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

*CALL 461-9933 FOR INSPECTION OF SEPTIC SYSTEMS.

EH - 2-1186

37468



160
40

approx well area
H081231 (Dun high brush)

6410

325

315

RT 108



BRADON WOODS

INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

RO.W.

1/4 - 1/2 mile

ST
OK

cont

5/315
63

SEPTIC TANK LEVEL 1500 gal CLEANOUTS OK

DISTRIBUTION BOX LEVEL _____

DRAIN FIELD/TILE FIELD DEPTH 25/25 FT. TRENCH WIDTH 2/2 FT. INLET DEPTH 32/3 1/2 FT.

EFFECTIVE GRAVEL DEPTH 12 FT. TOTAL LENGTH 63/60 FT.

NUMBER OF TRENCHES 1+ ONE SIDEWALL/BOTTOM AREA 325/360 SQ. FT. 685

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

ABSORBENT AREA _____ SQ. FT.

REMARKS 7/14/88 Trench location agreed upon in field. OK to add stone pipe paper to trench #1 OK to start trench #2. OK to partial add stone to trench #2; partial cover #1 if necessary.

7/15/88 - TRENCH #1 - PUT 2" STONE OVER PIPE TRENCH #2

ADD STONE TO TRENCH. 2" STONE OVER PIPE OK TO

COVER TANK A HODGON. 7/18/88 - TRENCH #2 OK ADD 6" STONE TO TRENCH #1 7/18/88 TRENCH #1 OK

DATE SYSTEM APPROVED 7/18/88 INSPECTOR JR Hodgson

9/9/86
1:30

APPLICATION

SEWAGE DISPOSAL TESTING

STATE OF MARYLAND - DEPARTMENT OF HEALTH AND MENTAL HYGIENE

A 37468

P _____

HOWARD COUNTY HEALTH DEPARTMENT
ENVIRONMENTAL HEALTH SERVICES

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

DISTRICT _____

DATE 8/7/86

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 JJM Partnership MARK JOHNSTON

ADDRESS 5570-201 Sterrett Pl. PHONE 740-4466

Columbia, Md. 21044

PROPERTY LOCATION:

SUBDIVISION 11753 BRAGDON WOODS DL. LOT NO. crosses parcels 5+6

ROAD AND DESCRIPTION North of intersection of Linden Chapel Rd. and Md. Rt. 108;

2400' directly north of intersection; adjacent to lot 4 of Chapel Woods II.

SIZE OF LOT 28 acres TYPE BLDG residential
(NUMBER OF BEDROOMS)

Go Back unnamed Rd next to River

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

Linden Chapel Rd as a paper Rd

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. [Signature]
(SIGNATURE OF APPLICANT)

APPROVED BY S. Abel FOR Deep Trenches DATE 5-16-88

REJECTED BY _____ FOR _____ DATE _____

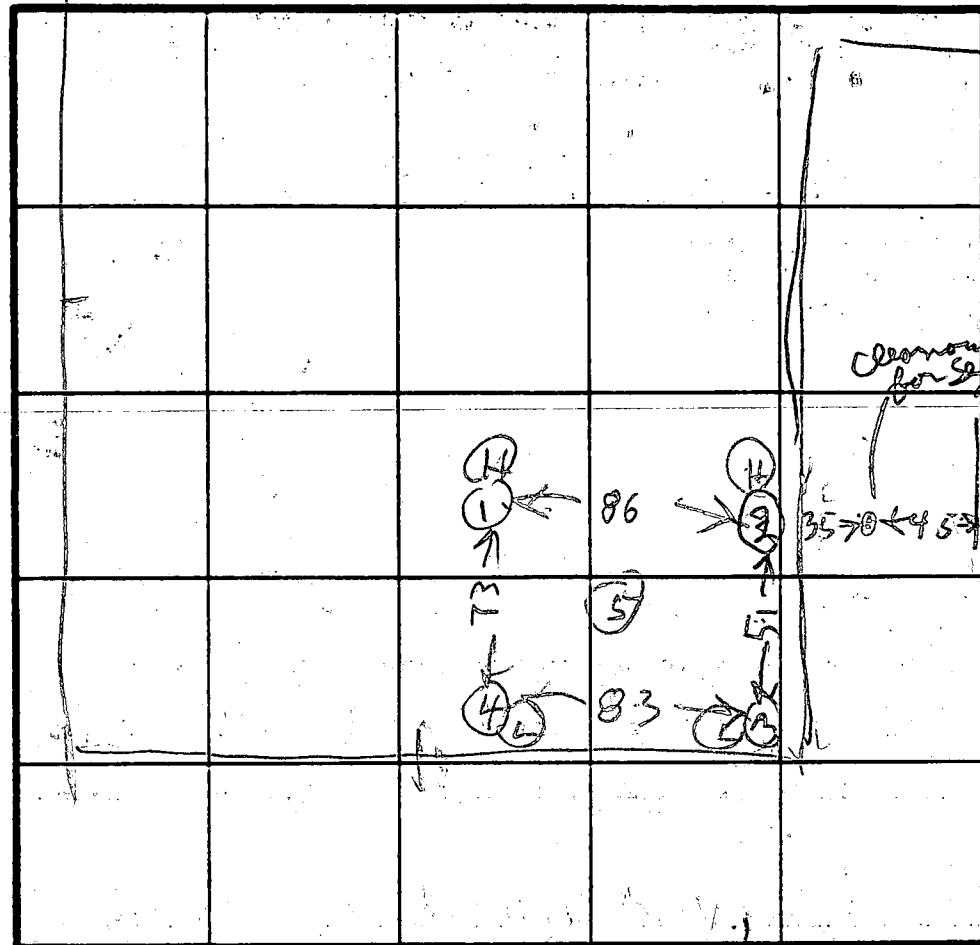
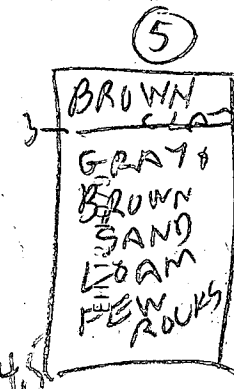
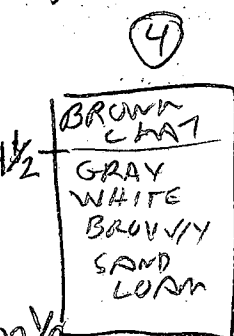
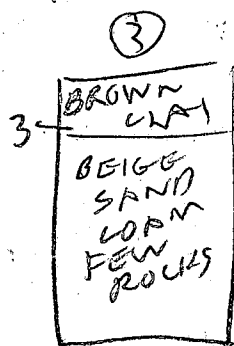
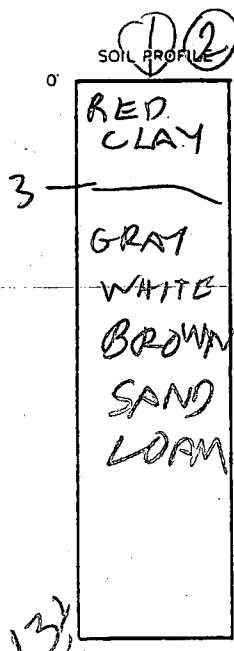
HOLD PENDING FURTHER TESTS _____ DATE _____

REASONS FOR REJECTION OR HOLDING 9/9/86 Here OK Hold for Plat B/V

BLDG. PERMIT SIGNED
AND RETURNED 5-16-88

BP1888 DL
8/18/86

THIS IS NOT A PERMIT



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.


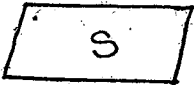


DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
9/9/86	1 S	3.5	132	156	136	140	4
	17	6	132	132	132	134	2
	IV	13	OK				
	2 S	5	140	142	142	144	2
	2V	13.5	OK				
	3 S	4	146	147	147	149	2
	3V	13.5	OK				
	4 S	3.5	201	229	1st and 2nd sec		
	4V	12.5	OK		Below 4.5 FT		
	5V	14.5	OK				
	4D	7.5	227	228	228	229	1

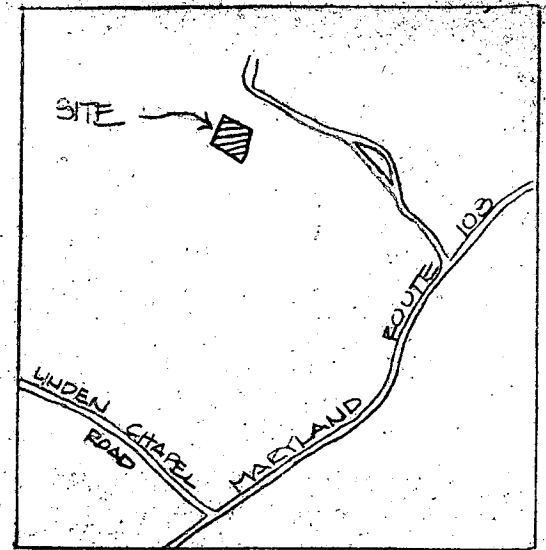
REMARKS _____

TYPE OF SOIL _____

TESTED BY R. HODGES ALSO PRESENT ERIC MIKILASCO

SYMBOLS KEY

-  PROPOSED PERC AREA
-  EXISTING OFF-SITE SEPTIC FIELD
-  WELL LOCATION
-  HOUSE LOCATION

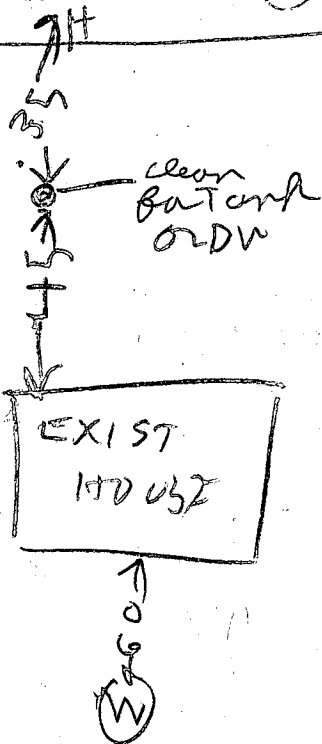
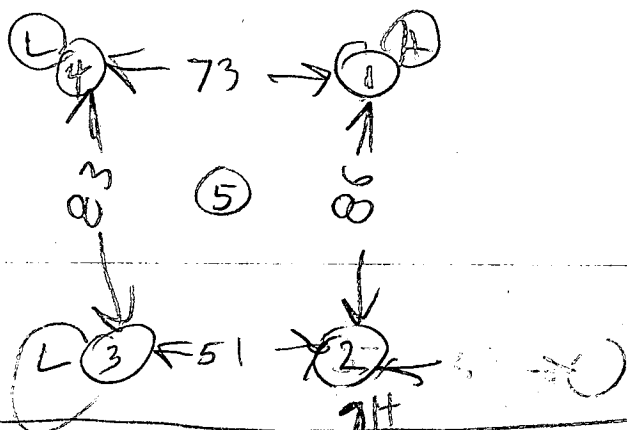


OWNER: JIM PARTNERSHIP
5570-201 STERRETT PLACE
COLUMBIA, MD 21044
PH (301) 740-4466

TAX MAP NO. 29
5TH ELECTION DISTRICT
HOWARD COUNTY, MARYLAND

PERC
PROPOSAL

SEPTIC PLAN
PARCELS 5&6 481/180
THE RIEMER GROUP INC.
SCALE 1"=100'
17 JULY 1986



C1 7135

SEQUENCE NO. (OEP USE ONLY)

STATE OF MARYLAND WELL COMPLETION REPORT

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

DATE Received

DATE WELL COMPLETED 070987

Depth of Well 300 (TO NEAREST FOOT)

PERMIT NO. FROM "PERMIT TO DRILL WELL" 49-51-2131

OWNER: MKALASKO JOHN STREET OR RFD: 5570-295 Starrett Place TOWN: Columbia 21044 SUBDIVISION: CHAPL WOODS II SECTION LOT 5

WELL LOG table with columns: DESCRIPTION, FEET (FROM, TO), Check if water bearing. Includes handwritten entries: BROWN Mica, GRAY ROCK.

GROUTING RECORD form: WELL HAS BEEN GROUTED (Y), TYPE OF GROUTING MATERIAL: CEMENT CM, BENTONITE CLAY BC, NO. OF BAGS 5, NO. OF POUNDS 500.

CASING RECORD form: casing types insert appropriate code below, MAIN CASING TYPE ST, Nominal diameter 6, Total depth 22.

OTHER CASING (if used) form: diameter inch, depth (feet) from to.

SCREEN RECORD form: screen type or open hole insert appropriate code below, options: ST (STEEL), BR (BRASS), HO (OPEN HOLE), PL (PLASTIC), OT (OTHER).

DEPTH (nearest ft.) table with handwritten values: 40, 22, 300.

CIRCLE APPROPRIATE LETTER A WELL WAS ABANDONED AND SEALED WHEN THIS WELL WAS COMPLETED

I HEREBY CERTIFY THAT THIS WELL HAS BEEN CONSTRUCTED IN ACCORDANCE WITH COMAR 10.17.13 "WELL CONSTRUCTION"

DRILLERS IDENT. NO. 399

DRILLERS SIGNATURE (MUST MATCH SIGNATURE ON APPLICATION)

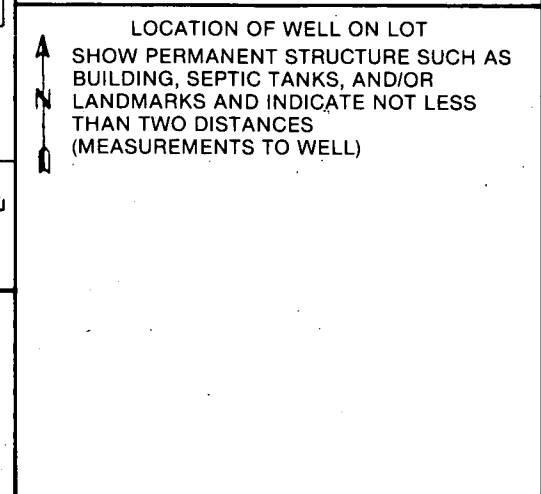
SITE SUPERVISOR (sign. of driller or journeyman responsible for sitework if different from permittee)

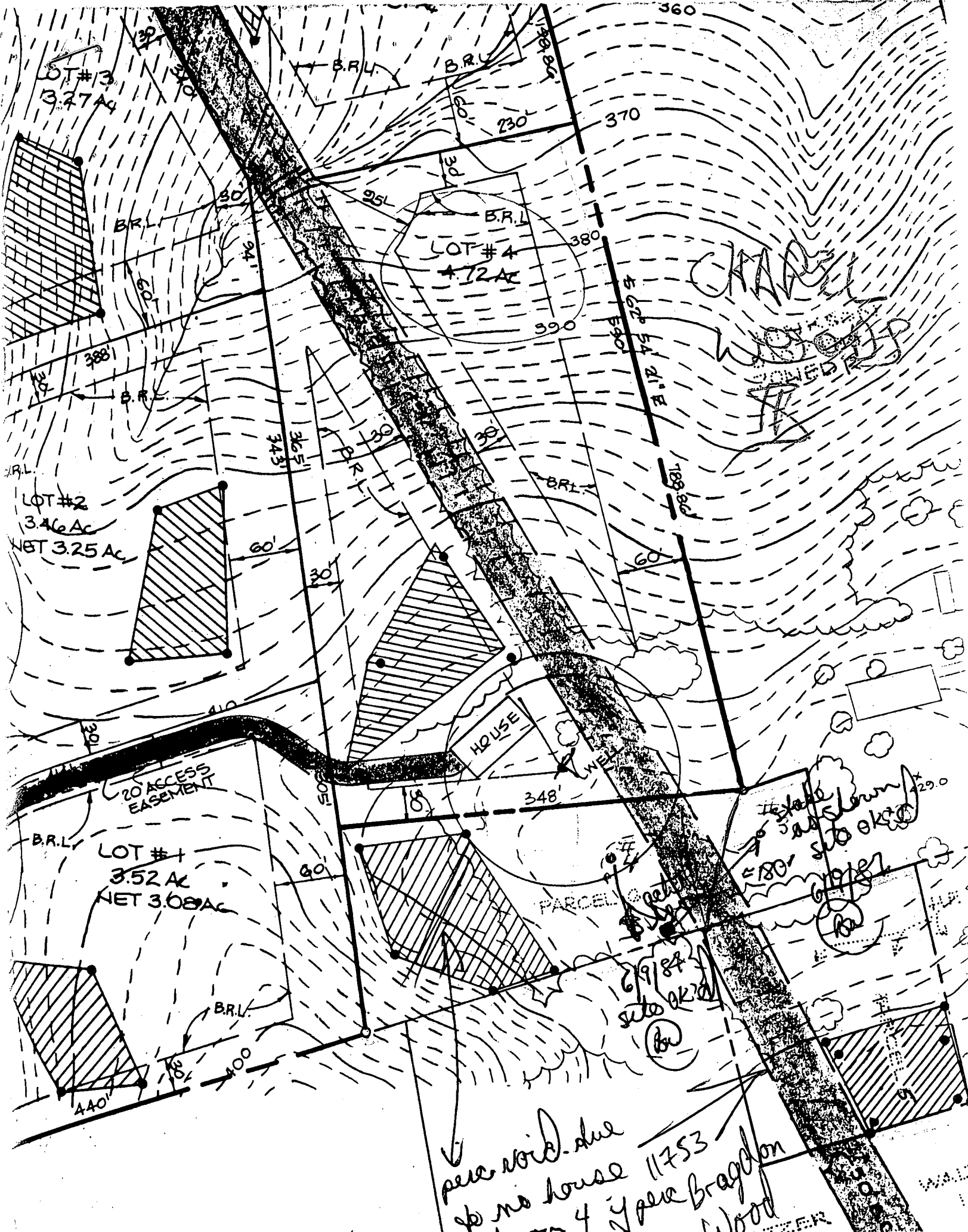
GRAVEL PACK form: IF WELL DRILLED WAS FLOWING WELL INSERT F IN BOX 68

OEP USE ONLY (NOT TO BE FILLED IN BY DRILLER) T (E.R.O.S.), WQ, TELESCOPE CASING, LOG INDICATOR, OTHER DATA

PUMPING TEST form: HOURS PUMPED 6, PUMPING RATE 1.87, METHOD USED TO MEASURE PUMPING RATE SUBMERSIBLE, WATER LEVEL 26.1, WHEN PUMPING 276.1, TYPE OF PUMP USED submersible

PUMP INSTALLED form: DRILLER WILL INSTALL PUMP YES NO, TYPE OF PUMP INSTALLED, CAPACITY: GALLONS PER MINUTE, PUMP HORSE POWER, PUMP COLUMN LENGTH, CASING HEIGHT





per void due
 to no house 11753
 on 4 1/2 acre Bragdon
 Wood

6/26/87

location OK

23' casing (1' above)

open hole

logs (left prior
& ground)

HEALTH
HOSPITAL

MAY 21 12 54 PM '87

RECEIVED
HOWARD COUNTY
HEALTH DEPT

MAY 21 9 29 AM '87

RECEIVED
HOWARD COUNTY
HEALTH DEPT.
ELICOTT CITY, MD.

10/14/88 - AM

Panes 5

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 # 42779
Date 10/13/88

Name of Installer ROBERT L. FEEZER CO. INC.

Telephone 281-4655

License Number 2122

Certified Well Pump Installer Well Driller Registered Plumber

Name of Property Owner ROBERT BOWERS

Telephone 465-1844

Subdivision CHAPEL WOODS Lot # Well Tag # HO 81 2131

Site Address 11753 BRAGDEN WOODS RD.

CLARKSVILLE, 21029 ZONE MAP 29 ELECTION DIST 3 BLK 14

Pump

- 1. Type
 - a. Deep well jet
 - b. Shallow well jet
 - c. Submersible
- 2. Make Danwing (GE3WOOD)
- 3. Model # 3XLN
- 4. Capacity 5 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 1/2
- 2. RPM 3450
- 3. Voltage
 - a. 110
 - b. 220

Pitless Adapter

- 1. Make MORILL
- 2. Model # MTB-10
- 3. Depth 42"

Tank

- 1. Capacity
- 2. Pressure relief valve?

Piping

- 1. Type POLY.
- 2. Size 1"
- 3. NSF and/or BOCA Code approved
- 4. Depth of supply line 42"

Well data

- 1. Depth 300 ft.
- 2. Yield 2 GPM
- 3. Static water level ft.
- 4. Will water supply be disinfected by installer?

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: Robert L. Feezer R.L.F. Co., Inc.

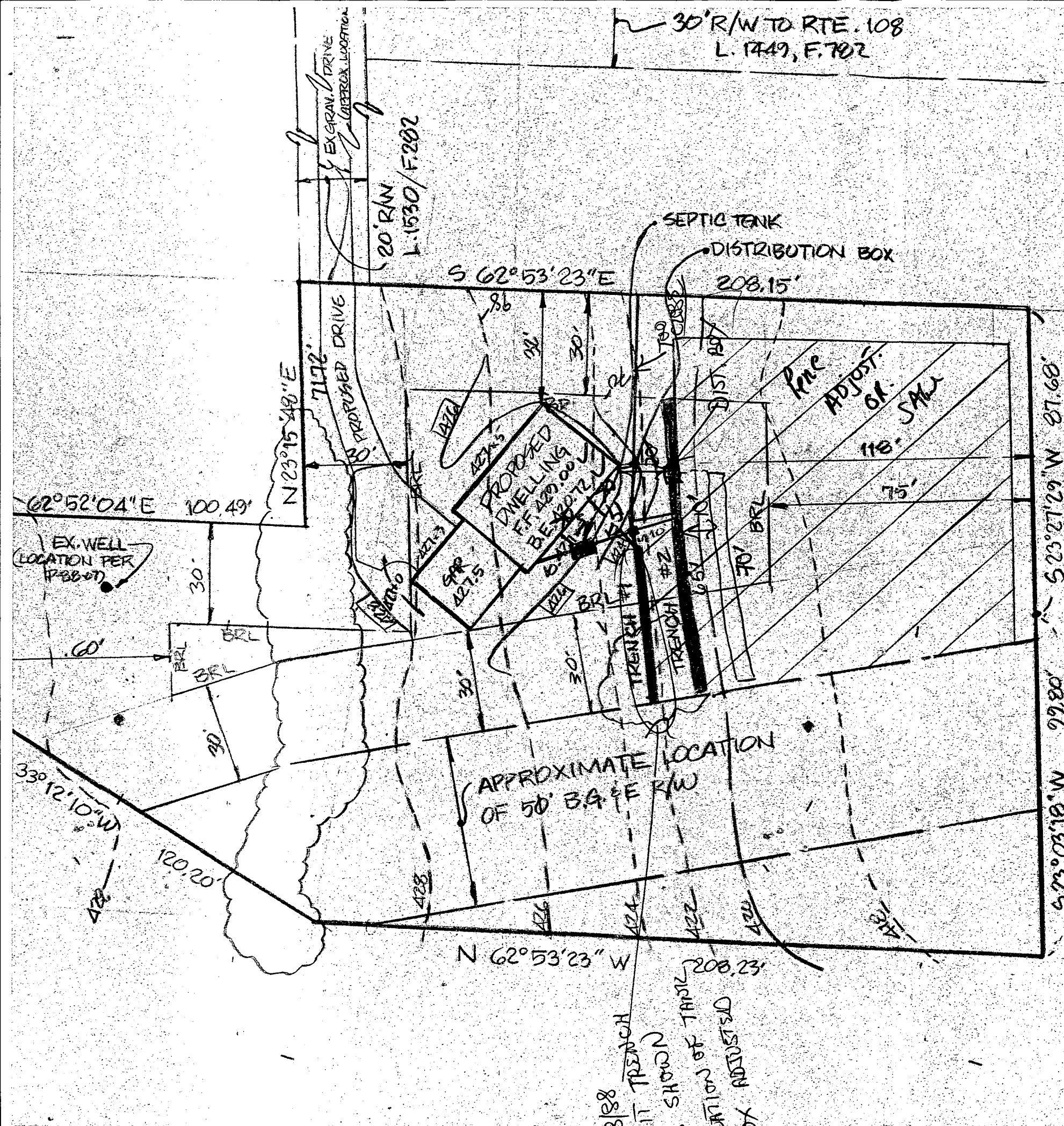
Date: 10/3/88

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

10/14/88 OK TO COVER OUTSMB

WORK PRESSURE TANK NOT YET INSTALLED

RLH



SEPTIC SYSTEM DATA

INV. @ HOUSE 419.3 ✓ + 15.0' FRUIT

SEPTIC TANK

EX. GR. 424.3 ✓
 FIN. GR. 426.0 ✓
 INV. IN. 419.2 ✓
 INV. OUT. 418.9 ✓

DISTRIBUTION BOX

EX. GR. 423.0 ✓
 FIN. GR. 422.2 ✓
 INV. IN. 418.8 ✓
 INV. OUT. 418.8 ✓

TRENCHES (4-BR. HOUSE)

#1 #2

3/8" TRENCH
 IT TRENCH
 SHOWS
 LOCATION OF TANK
 BY ADJUSTED

LINE
 ADJUST.
 OK.
 15' SAW

APPROXIMATE LOCATION
 OF 50' BASE RW

30' R/W TO RTE. 108
 L. 1749, F. 702

20' RAN
 L. 1530/F. 202

EX. WELL
 LOCATION PER
 P. 88-07

PROPOSED DRIVE
 7172'

N 23°15'48" E

S 62°53'23" E

S 62°52'04" E 100.49'

S 23°27'29" W 87.68'
 S 23°03'18" W 99.80'

N 62°53'23" W

208.23'

SEPTIC TANK
 DISTRIBUTION BOX
 208.15'

PROPOSED
 DWELLING
 FF. 423.00 ✓
 BE. 423.00 ✓

SPR. 421.5

LAZA

3/8" TRENCH

IT TRENCH

SHOWS

LOCATION OF TANK

BY ADJUSTED

OK

15' SAW

LINE

ADJUST.

OK.

15' SAW

TRENCH #1

TRENCH #2

DIST. BOX

700' BRL

701' BRL

702' BRL

703' BRL

704' BRL

705' BRL

706' BRL

707' BRL

60'

30'

30'

30'

30'

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