12/14/89

10/11/89 10/17/89 3pm 10/23/89 12:31 2:20 2pm

10-23-89 Needs House Connection JEN

File

PERMIT

P 45078

A 25070

SEWAGE DISPOSAL SYSTEM

MARYLAND STATE DEPARTMENT OF HEALTH*

DISTRICT 4th

HOWARD COUNTY
BUREAU OF ENVIRONMENTAL HEALTH
461-9933

04-338685

DATE 10/13/89

DATE SYSTEM APPROVED 12/14/89

INDEXED

INSPECTOR C.B.A

David Brown IS PERMITTED TO INSTALL X ALTER

ADDRESS PHONE 531-5210

SUBDIVISION Justifiable ROAD 14774 Justifiable Ct LOT 5

PROPERTY OWNER Eric Nielson (304-329-2024

ADDRESS

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

GARBAGE GRINDER? YES NO X

200
4 800
200 ft trench

SEPTIC TANK CAPACITY 1250 GALLONS NUMBER OF BEDROOMS 4

TRENCHES - 200 sq. ft. per bedroom. Trench to be 2 feet wide. Inlet 5 feet below original grade. Bottom maximum depth 9 feet below original grade. Effective area begins at 5 feet below original grade. 4 feet of stone below distribution pipe.

LOCATION - Place the distribution box 110 feet from the right lot line and 200 feet from the rear lot line as seen when facing the property from Justifiable Court. Run trenches along contour in both directions.

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

PLANS APPROVED BY C. Williams DATE 7/08/86

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(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

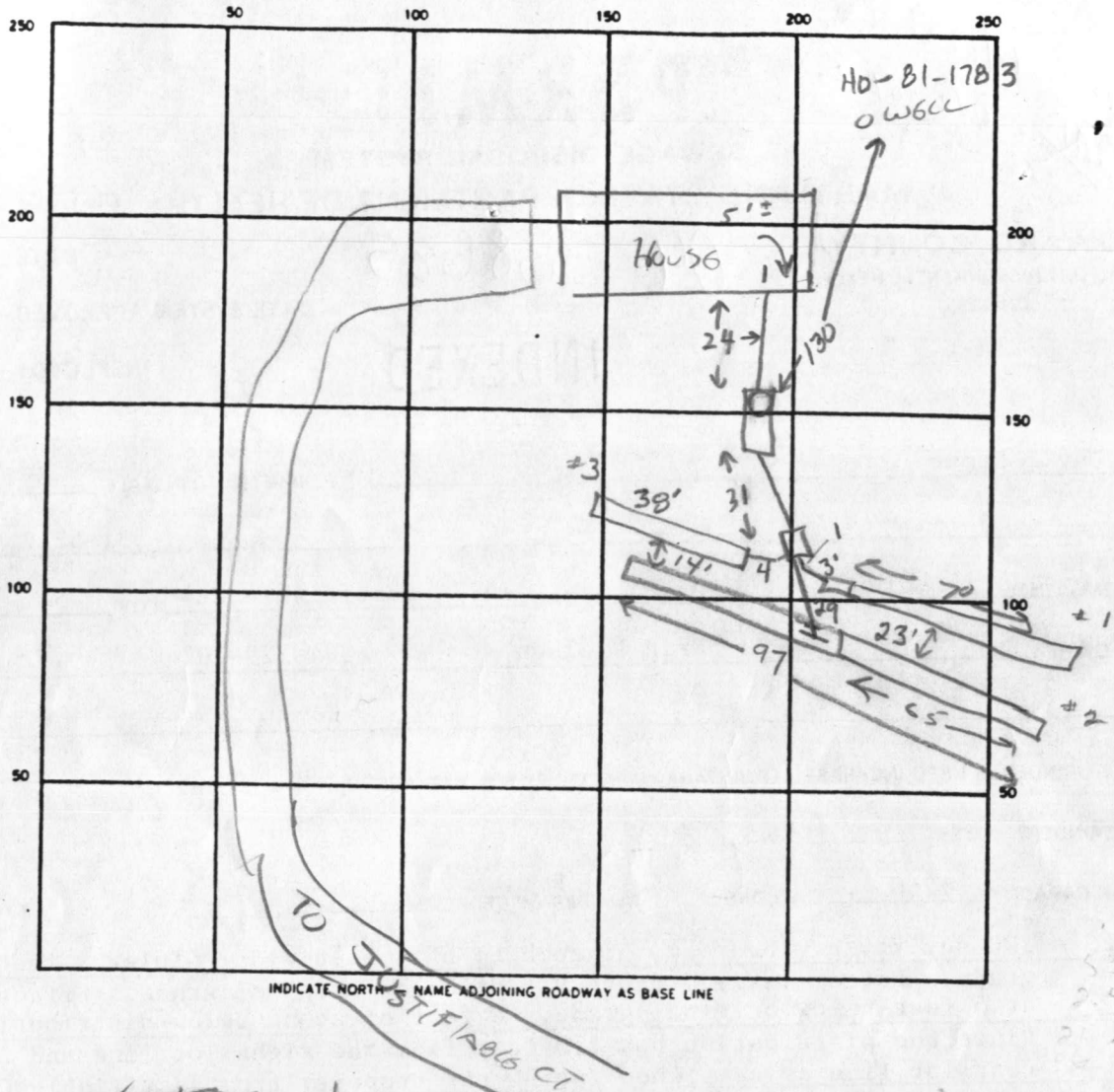
NOTE DISTRIBUTION BOXES MUST HAVE BAFFLES

A25070

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

*CALL 461-9933 FOR INSPECTION OF SEPTIC SYSTEMS.

HD-260



INDICATE NORTH — NAME ADJOINING ROADWAY AS BASE LINE

SEPTIC TANK. LEVEL ✓ 1500 gal CLEANOUTS Manhole on tank

DISTRIBUTION BOX. LEVEL OK w/ baffle

DRAIN FIELD/TILE FIELD. DEPTH 9 FT TRENCH WIDTH 2 FT. INLET DEPTH ① 3.5 ② 4.0 ③ 4.0 FT.

EFFECTIVE GRAVEL DEPTH ① 5.5 ② 5 ③ 5 FT. TOTAL LENGTH ① 70 ② 97 ③ 38 FT

NUMBER OF TRENCHES 3 ONE SIDEWALL/BOTTOM AREA ① ② 9 ③ SQ FT.

DRYWELL INSIDE DIAMETER FT EFFECTIVE DEPTH BELOW INLET FT

ABSORBENT AREA SQ. FT.

10/16/89

REMARKS HIT ROCK AT END OF BOTH TRENCHES, OK TO ADD GRAVEL TO TRENCHES AND EXTEND NECESSARY DISTANCE TOWARD DRIVEWAY. CW.

10-23-89 OK to cover all work. Needs house connection. JEN

12/14/89 HOUSE CONNECTION COMPLETE; OK TO COVER, FINAL. C.B.

{12/14/89 W.P.I. - Partial - HOLD not OK to cover pipes adapter and line.
12/15 Left application form only - not ready}

DATE SYSTEM APPROVED 12/14/89 INSPECTOR Charles Bryan Thrasher

, Field Located

er Easement of approx. 10,000 Sq.Ft.
the Md. State Dept. of Health for
sewage disposal. Improvements of any
is area are restricted until public sewer
and serving any residential structure
on this building lot. This
all become null and void
ion to public sewage.

N/F Baxter 239/556

N 89°05'58"E 425.00

235.00

60' Roadway Reservation

30' Wide DRAINAGE EASEMENT

20' WIDE DRAINAGE EASEMENT

N 81°29'49"E 560.53'

N 87°27'44"W 427.54

20' WIDE DRAINAGE EASEMENT

LIMIT OF 100 YEAR FLOOD

N 64°56'39"E 374.77

N 55°45'43"E 274.47

N 01°50'41"W 435.49

N 01°50'41"W 623.00

N 00°00'00"E 528.00

N 00°21'05"E 163.00

N 66°53'37"W 120.00

S 66°53'37"E 120.00

N 64°30'00"W 636.57

N 64°30'00"W 276.52 Sq.Ft. or 0.81 Ac.

Vehicular Ingress

Ferguson 591/467

RTE

1 3.53 Ac.

2 2.10 Ac.

3 2.00 Ac.

4 2.67 Ac.

5 6.47 Ac.

6 5.53 Ac.

7 5.20 Ac.

8 2.34 Ac.

9 3.38 Ac.

10 3.03 Ac.

11

12

13 0.14 Ac.

14

15

16

17

18

19

20

21

22

23

NON-BUILDABLE

Access Easement to Cemetery

20' Building Restriction Line

50' Building Restriction Line

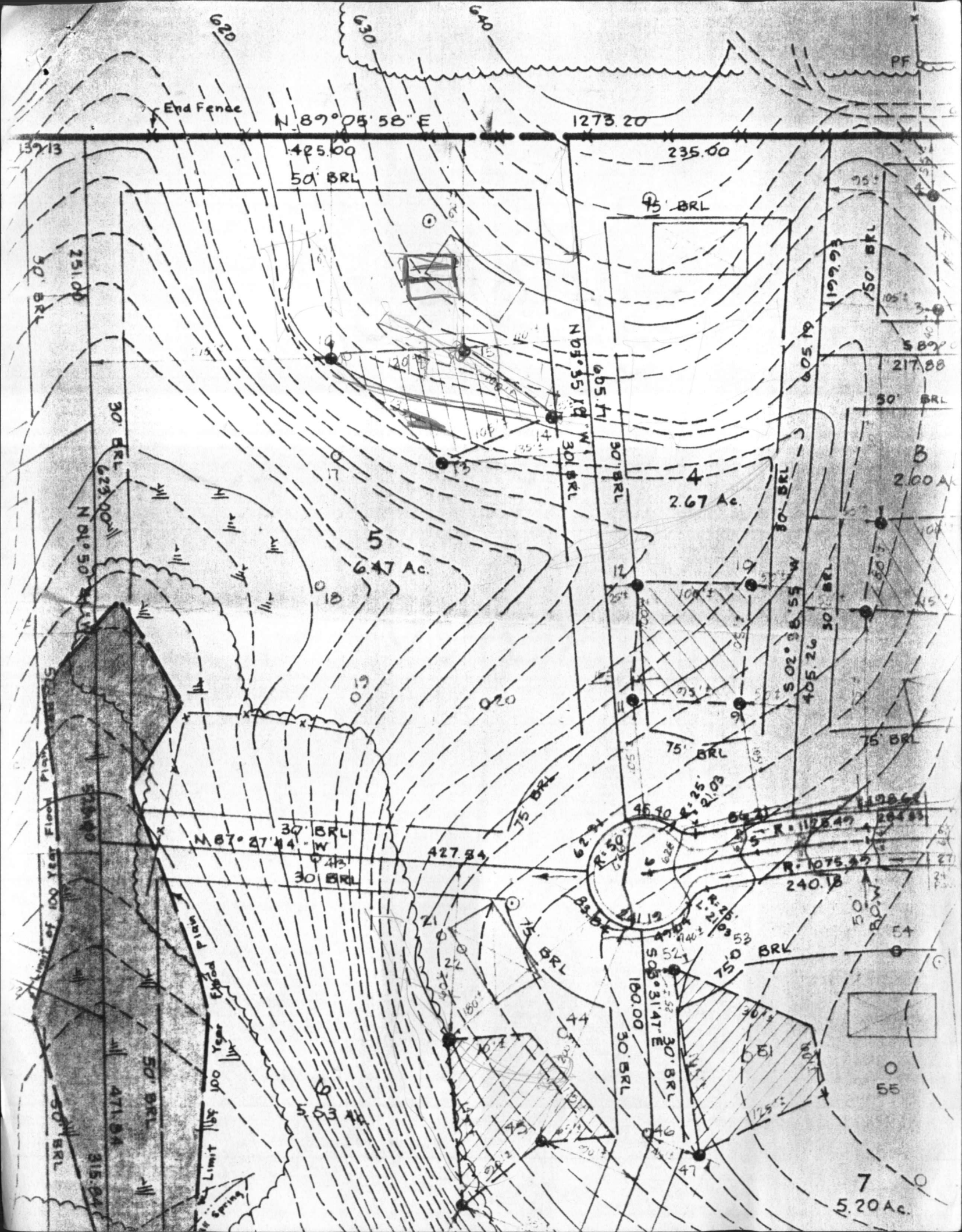
75' Building Restriction Line

JUSTIFIABLE COURT

1.53 Ac.

OLD FREDERICK ROAD

Earle 337/44


620
630
640
PF
End Fence
N 89°05'58" E
1273.20
132.13
425.00
235.00
50' BRL
45' BRL
251.00
50' BRL
30' BRL
623.00
N 01°50'
N 03°35'19" W
665.71
30' BRL
30' BRL
4
2.67 Ac.
5
6.47 Ac.
B
2.60 Ac.
605.19
S 02°38'55" W
405.26
30' BRL
75' BRL
75' BRL
N 87°27'44" W
30' BRL
427.84
30' BRL
R=50'
R=1125.49
R=1075.35
240.18
75' BRL
75' BRL
180.00
S 03°31'47" E
30' BRL
30' BRL
6
5.63 Ac.
7
5.20 Ac.
55
54
53
52
51
50
47
46
45
44
21
22
Limit of 100 Year Flood Plain
50' BRL
471.84
315.84
50' BRL
50' BRL
Limit of 100 Year Flood Plain
Spring

12-15-89 ✓
Anytime
1-25-90 ✓
C.W. & C.B.

12/15/89
Partial
1/25/90
Line

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 ✓ ____ Receipt # 45344
Replacement ____ Date 12/13/89

Name of Installer J. DAVID RAU Telephone 788-5941

License Number 3058
Certified Well Pump Installer ____ Well Driller ____ Registered Plumber ✓

Name of Property Owner ERIC NIELSON Telephone 750-0649
Subdivision JUSTIFIABLE Lot # 5 Well Tag # HO-81-1783
Site Address 14774 JUSTIFIABLE CT.

- -

Pump
1. Type
   a. Deep well jet ____
   b. Shallow well jet ____
   c. Submersible ✓
2. Make ____
3. Model # ____
4. Capacity 15 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 40
2. Pressure relief valve? YES

Piping
1. Type COPPER
2. Size 3/4"
3. NSF and/or BOCA Code approved ____
4. Depth of supply line ____

Well data
1. Depth 125 ft.
2. Yield 15 GPM
3. Static water level ____ ft.
4. Will water supply be disinfected by installer? YES

- -

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: J. David Rau

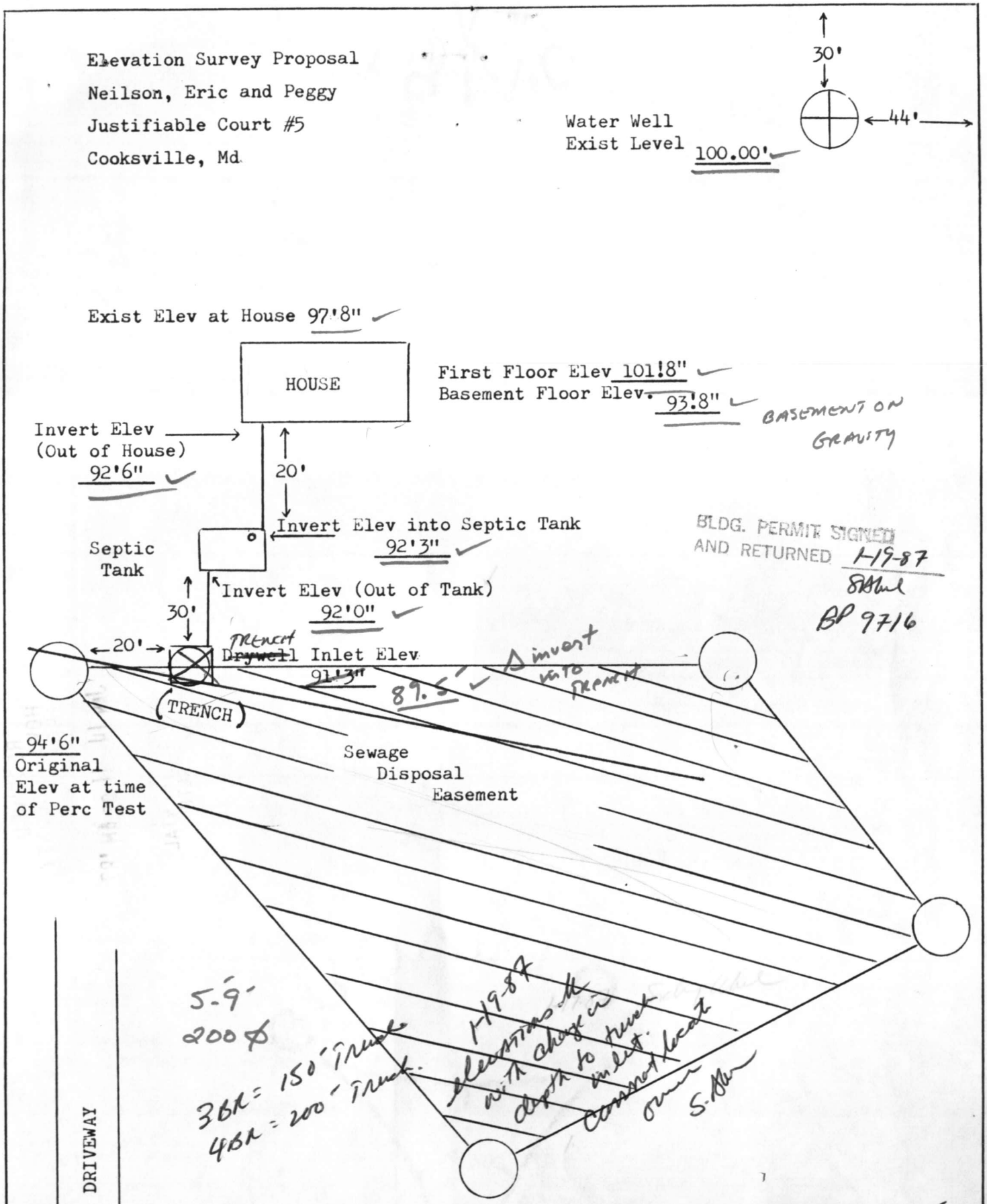
Date: 12/13/89

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

HD-215

12/14/89 Not ready C.B.
12/15/89 Line + pitless adapter ok; only; to cover.
"Chlorinated" well recently per Bruce
1/25/90 → Checked on tank in home; it is → ok C.B. {M. Bruce C.B.} 3 P.M.

Elevation Survey Proposal
Neilson, Eric and Peggy
Justifiable Court #5
Cooksville, Md



BLDG. PERMIT SIGNED AND RETURNED 1-19-87
BP 9716

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

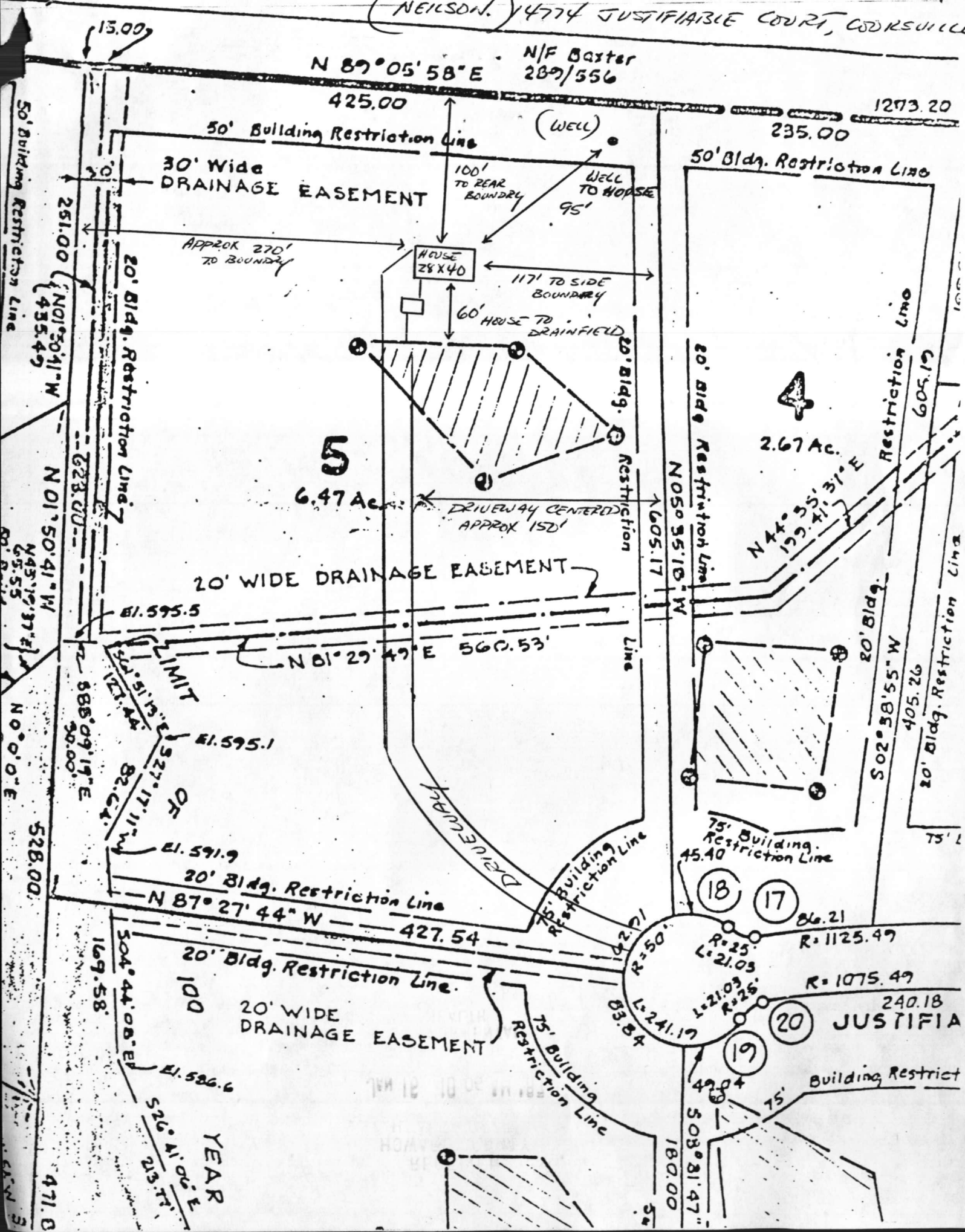
SIGNED

RECEIVED
HOWARD COUNTY
HEALTH DEPT.

JAN 14 11 05 AM '87

DIVISION OF
ENVIRONMENTAL
HEALTH

(NEILSON) 4774 JUSTIFIABLE COURT, COOKSVILLE



RECEIVED
HOWARD COUNTY
HEALTH DEPT.

JAN 16 10 06 AM '87

DIVISION OF
ENVIRONMENTAL
HEALTH

Page ____ of ____
Date ____

Review OK'd (Ba) 12/30/86
(adj to open hole data)

FIELD DATA SHEET
HOWARD COUNTY WELL YIELD TEST

Well Permit No. HO - 81-1783
Location of property (road) Justifiable Ct.
Subdivision Justifiable Lot 5 Block ____ Plat ____ Sec. ____
Well Driller B Feezer Owner Eric Neilson

Depth of well 125'
Distance of measuring point (M.P.) above ground 2'
Static water level (S.W.L.) below M.P. 42'

I. High rate pumping -- reservoir drawdown

Time pump started 9:30 Pumping rate 15
Total time 0 to reach pumping water level 42' ft. below M.P.

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

TIME (in 15 minute intervals	WATER LEVEL below M.P.	PUMPING RATE time to fill 1 gallon bucket	FLOW METER READING (if used)	CALCULATED FLOW (gallons per minute)
9:30	42	4		15
9:45	42	4		15
10:00	42	4		15
10:15	42	4		15
10:30	42	4		15
10:45	42	4		15
11:00	42	4		15
11:15	42	4		15
11:30	42	4		15
11:45	42	4		15
12:00	42	4		15
12:15	42	4		15
12:30	42	4		15

C 1 3714 (1 2 3 6)

SEQUENCE NO. (OEP USE ONLY)

(THIS NUMBER IS TO BE PUNCHED IN COLS. 3-6 ON ALL CARDS)

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-25070

DATE Received 10 07 86 (8–13)

DATE WELL COMPLETED 12 22 86 (15–20)

Depth of Well 125 (22–26) (TO NEAREST FOOT)

PERMIT NO. FROM "PERMIT TO DRILL WELL" 40-81-1783 (28–37)

OWNER NELSON ERIC.
last name first name

STREET OR RFD JUSTIFIABLE Ct TOWN Cooksville

SUBDIVISION JUSTIFIABLE SECTION LOT 5

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	FEET TO	Check if water bearing
Top Soil	0	2	
Brown soil x shell	2	25	
gray rock	25	40	
gray x Brown	40	100	✓
gray rock	100	125	✓

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. 210

DRILLERS SIGNATURE (MUST MATCH SIGNATURE ON APPLICATION) Allen Lawton

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

GROUTING RECORD

WELL HAS BEEN GROUTED (Circle Appropriate Box) yes Y (44) no N (44)

TYPE OF GROUTING MATERIAL

CEMENT CM (45–46) BENTONITE CLAY BC (45–46)

NO. OF BAGS 25 NO. OF POUNDS 1410

GALLONS OF WATER 40

DEPTH OF GROUT SEAL (to nearest foot)

from 0 (48–52 TOP) ft. to 42 (54–58 BOTTOM) ft.

(enter 0 if from surface)

CASING RECORD

casing types insert appropriate code below

ST STEEL CO CONCRETE PL PLASTIC OT OTHER

MAIN CASING TYPE ST (60–61) Nominal diameter top (main) casing (nearest inch) 6 (63–64) Total depth of main casing (nearest foot) 49 (66–70)

OTHER CASING (if used) EACH CASING — diameter inch / depth (feet) from / to

SCREEN RECORD

screen type or open hole insert appropriate code below

ST STEEL BR BRASS BRONZE HO OPEN HOLE PL PLASTIC OT OTHER

C 2 (1 2)

EACH SCREEN — DEPTH (nearest ft.)

1: 40 (8–9) 49 (11–15) 125 (17–21)

2: (23–24) (26–30) (32–36)

3: (38–39) (41–45) (47–51)

SLOT SIZE 1 ____ 2 ____ 3 ____

DIAMETER OF SCREEN (56–60) (NEAREST INCH)

GRAVEL PACK from ____ to ____

IF WELL DRILLED WAS FLOWING WELL INSERT F IN BOX 68 (68)

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

T (70) TELESCOPE CASING (E.R.O.S.) (72) LOG INDICATOR WQ (74–76) OTHER DATA

C 3 (1 2)

set to measured at grade

PUMPING TEST

HOURS PUMPED (nearest hour) 3 (8–9)

PUMPING RATE (gal. per min. to nearest gal.) 15 (11–15)

METHOD USED TO MEASURE PUMPING RATE 1 gal.

WATER LEVEL (distance from land surface)

BEFORE PUMPING 12 (17–20)

WHEN PUMPING 12 (22–25)

TYPE OF PUMP USED (for test) (27)

A air, P piston, T turbine, C centrifugal, R rotary, O other (describe below), J jet, S submersible

PUMP INSTALLED

DRILLER WILL INSTALL PUMP (CIRCLE) (YES or NO) YES NO

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: (29)

CAPACITY: GALLONS PER MINUTE (to nearest gallon) (31–35)

PUMP HORSE POWER (37–41)

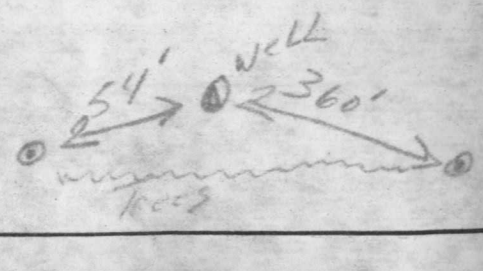
PUMP COLUMN LENGTH (nearest ft.) (43–47)

CASING HEIGHT (circle appropriate box and enter casing height)

+ above (49) / − below (49) LAND SURFACE 12 (50–51) (nearest foot)

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)



HEALTH