

File

5/22(D.P.C.O.)

PERMIT

SEWAGE DISPOSAL SYSTEM

DEPARTMENT OF HEALTH AND MENTAL HYGIENE

P 47104

A REPAIR

DISTRICT _____

DATE 5/20/91

DATE SYSTEM APPROVED 5/2/91

INSPECTOR C.B.D.

*5/22/91
10:10 AM
P.M.*

HOWARD COUNTY HEALTH DEPARTMENT
BUREAU OF ENVIRONMENTAL HEALTH
461-9933

INDEXED #171941

Jenkins Brothers _____ IS PERMITTED TO INSTALL _____ ALTER X

ADDRESS Route 144, Ellicott City, Maryland 21043 PHONE 465-6646

SUBDIVISION _____ LOT _____ ROAD 5331 Landing Road

PROPERTY OWNER Mr. Calton

ADDRESS 5331 Landing Road
Elkridge, Maryland 21227

SEPTIC TANK CAPACITY _____ GALLONS

NUMBER OF BEDROOMS (4) per man or owner at site P.M. with (2 Jenkins)

125+ SQUARE FEET PER BEDROOM (Plus old dry well)

LINEAR FEET OF TRENCH REQUIRED 85'+ long

REPAIR - Call for inspection when ground is opened so sanitarian can recommend repair.

*(OK for (1) trench off existing drywell - 10' before
5/22/91 beginning trench. Trench 85' in length, 2' wide,
C.B.D. inlet 3 1/2 to 4', 6'+ of stone under pipes, maximum
at site depth = 10' for trench below original grade.
C.B.D. for)*

PLANS APPROVED BY C. Williams DATE 5/16/91

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, 90° ELBOWS NOT ACCEPTABLE.

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 35/40 PVC OR ABS

PERMIT VOID AFTER TWO YEARS

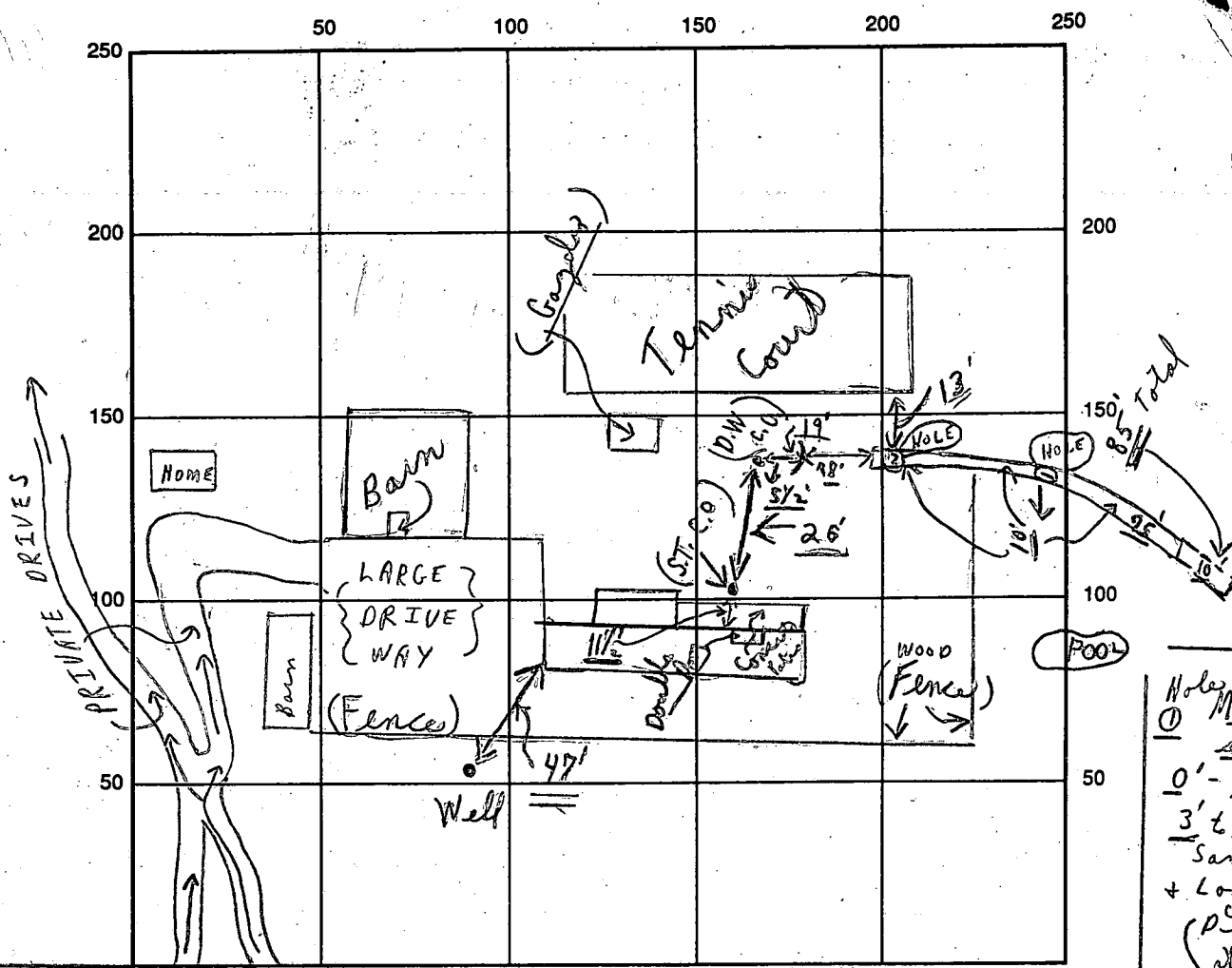
NOTE: INSTALL STAND PIPE ON SEPTIC TANK AND DRY WELL STAND PIPES MUST BE 6 INCHES IN DIAMETER CAST IRON. CONCRETE OR TERRA COTTA OR PVA OR ABS ACCEPTED. IF TOP OF SEPTIC TANK IS DEEPER THAN 3 FEET. MANHOLE TO GRADE REQUIRED.

NOTE: DISTRIBUTION BOXES MUST HAVE BAFFLES

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

P 47104

← Webster Road →



Holes (and) Holes
 ① Mixed soil ②
 0' - 3 1/2' + clay
 3' ± 10'
 Sand + gravel
 + Loam + some
 clay
 (at 10')

INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE

← Landing Road →

SEPTIC TANK LEVEL Existing CLEANOUTS Existing

DISTRIBUTION BOX LEVEL (Using Existing dry well)

DRAIN FIELD/TITLE DEPTH 10' FT. TRENCH WIDTH 2 FT. INLET DEPTH 3'± FT.

EFFECTIVE GRAVEL DEPTH 7' average FT. TOTAL LENGTH 85 FT. ^{To be}

NUMBER OF TRENCHES 1 ONE SIDEWALL/BOTTOM AREA 595 SQ. FT. {Plus old dry well}

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

ABSORBENT AREA 595 SQ. FT. {Plus - old dry well}

REMARKS: A.M. 5/22/91 Partial ok to continue on trench off dry well only;
5/22/91 P.M. - Partial and 95'± dug + working on sect;
P.M. - OK TO COVER AS FINISH MATERIAL ON SITE, FINAL
 C.B.O.

DATE SYSTEM APPROVED 5/22/91 INSPECTOR Charles Bryan Street

PERMIT

SEWAGE DISPOSAL SYSTEM

A 1756

1/29/73 - *Freddie*
Howard County

MARYLAND STATE DEPARTMENT OF HEALTH
HOWARD COUNTY

INDEXED

ELLICOTT CITY

DISTRICT 1

DATE 1/27/73

Richard Love

IS PERMITTED TO INSTALL X ALTER

ADDRESS Ilchester Road, Ellicott City, Md.

PHONE RT-7898

A SEWAGE DISPOSAL SYSTEM LOCATED AT

5331 ~~5901~~ LANDING RD
SPOT

SUBDIVISION

ROAD Landing Rd. between LOT
Ilchester and Mont. Roads

PROPERTY OWNER Casimir C. Loyal, Jr. & wife

ADDRESS

Gary Calton

SPECIFICATIONS - 3 bedrooms

DRAIN FIELD _____ DEPTH _____ FEET, BOTTOM AREA _____ SQ. FT.

SEEPAGE PITS _____ ABSORBENT SIDE-WALL AREA _____ SQ. FT.

SEPTIC TANK CAPACITY 1,000 GALLONS

FOR GARBAGE GRINDER, INCREASE DISPOSAL AREA 22% & TANK CAPACITY 50%.

OTHER Dry well - 480 sq. ft. sidewall area below the top 5 ft. of clay. Inlet to be 6 ft. deep and bottom of dry well to be 14 ft. deep. Place the dry well 250 ft. from the lot line along the Johnson property and 477 ft. from the lot line which is 812 ft. long and runs along the Swithession property.

NOTE: ALL PIPE FROM HOUSE TO SEPTIC TANK MUST BE CAST IRON.

PERMIT VOID AFTER THREE YEARS.

NOTE: INSTALL STAND PIPE ON SEPTIC TANK AND DRY WELL.

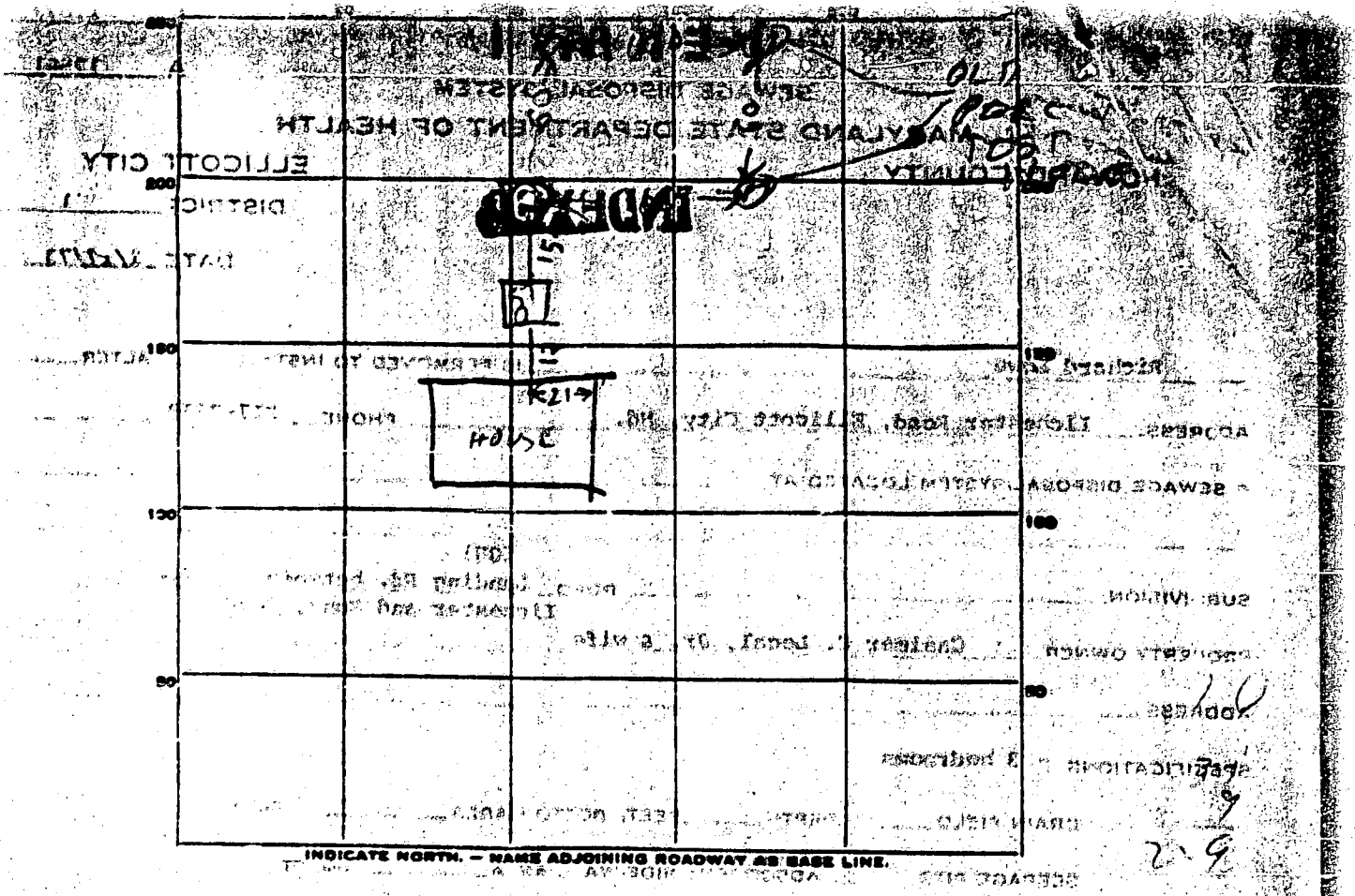
PLANS APPROVED BY Raymond Hoopes

DATE 12/26/72

FILL SEPTIC TANK AND DISTRIBUTION BOX WITH WATER BEFORE CALLING FOR AN INSPECTION. COVER NO WORK UNTIL INSPECTED AND APPROVED.

NEITHER THE HOWARD COUNTY COMMISSIONERS NOR THE HEALTH DEPARTMENT IS RESPONSIBLE FOR THE SUCCESSFUL OPERATION OF ANY SYSTEM.

A17561



PERMIT CARD

SEPTIC TANK, LEVEL 0 K1000 concrete CLEANOUTS 2

DISTRIBUTION BOX, LEVEL Top 75' below grade

TILE FIELD, DEPTH 5 FT. TRENCH WIDTH 18 IN.

GRAVEL DEPTH 7 IN. TOTAL LENGTH 468 FT.

NUMBER OF TRENCHES 14 TOTAL BOTTOM AREA 74 SQ. FT.

SEEPAGE PITS, INSIDE DIAMETER 279 FT. DEPTH BELOW INLET 5 FT.

ABSORBENT AREA 269 SQ. FT. Counting stone below top 5 FT. Day

REMARKS: 1/29/73. Well drilled to 51' below grade

later Well not yet installed

DATE SYSTEM APPROVED 1/29/73 INSPECTOR Keenan Hecker

DEPARTMENT OF HEALTH
MARYLAND STATE DEPARTMENT OF HEALTH
HOWARD COUNTY

100					100
100					100
100					100
100					100
100					100

INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

100

Handwritten notes and signatures in the grid area, including "100" and "100" on the left and right sides.

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
10/27/77	1	4	142	148	149	204	16
	2	11	148	151	151	159	8
	3	5	156	213	213	243	30
	4	13	203	211	211	220	9
	5	13 1/2	223	224	224	229	4
	6	22 1/2	254	300	300	300	46
	7	11	TOP 5 FT CLAY GRAVEL		BOT 6 FT HARD SAND		Dry

SOIL AUGER FINDING

TESTED BY

P. Hodge

REMARKS

THIS IS NOT A TEST

SECTION

A

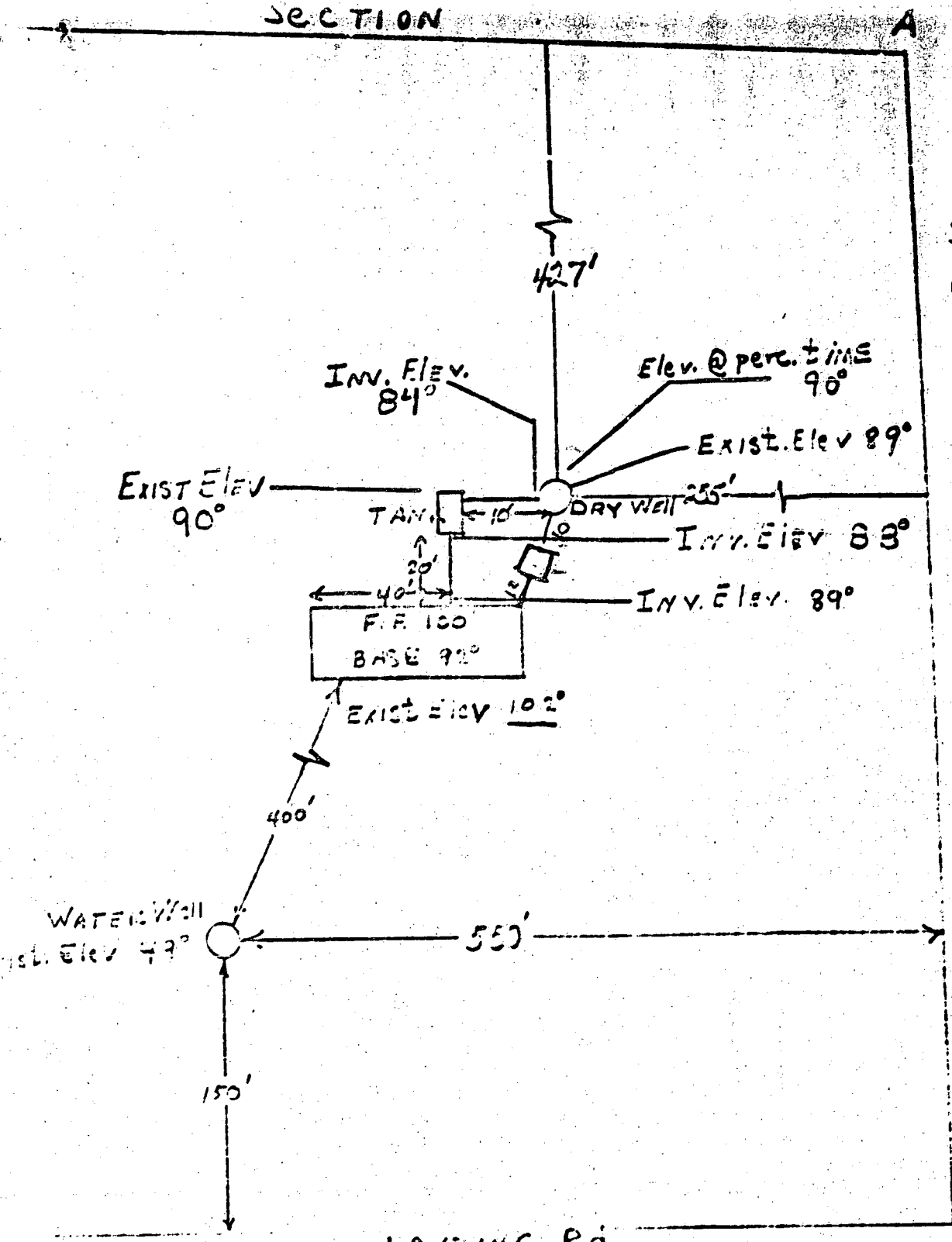
B

SECTION

10

N

B



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

Handwritten notes:
OK
11/15/72
P. J. [unclear]

SIGNED: C. C. Loyal, Jr.
DATE: 11/15/72

B 1 2187 SEQUENCE NO. (WRA USE ONLY)

1 2 3 (SEQ. NO.) 6
 (THIS NUMBER IS TO BE PUNCHED IN COLS. 3-6 ON ALL CARDS)

STATE OF MARYLAND
WATER RESOURCES ADMINISTRATION
TAWES STATE OFFICE BLDG., ANNAPOLIS, MARYLAND 21401
APPLICATION FOR PERMIT TO DRILL WELL

WRA PERMIT NUMBER
H0-73-2346
 FILL IN THIS FORM COMPLETELY

DATE RECEIVED (WRA USE ONLY)
10/19/77
10:00 A.M.

OWNER Ronald L. Casimer C.
 COL 15 LAST NAME FIRST NAME COL 34

STREET OR RFD 5331 Landing Road
 COL 36 COL 55

POST OFFICE Elkridge, Maryland 21229
 COL 57 COL 78

B 1 CONTINUED DRILLER INFORMATION

1 2 3 (SEQ. NO.) 6

DATE September 19, 1977 LICENSE NUMBER 296
 77 80

FIRST NAME Ronald DRILLER LAST NAME Kwiter

SIGNATURE Ronald L. Kwiter

B 3 LOCATION OF WELL

1 2 3 (SEQ. NO.) 6 Howard

COUNTY 8 (DO NOT ABBREVIATE COUNTY NAME) 21

SUBDIVISION 23 42

SECTION 44 LOT 48 50

NEAREST TOWN Elkridge 52 71

MILES FROM TOWN (ENTER 0 IF IN TOWN) 3 MI 76 77 78

B 2 WELL INFORMATION

1 2 3 (SEQ. NO.) 6

MAXIMUM PUMPING RATE (GALLONS PER MINUTE) 5 12

AVERAGE DAILY QUANTITY NEEDED (GALLONS PER DAY) 350 20

USE FOR WATER (CIRCLE APPROPRIATE BOX)

HOME (SINGLE OR DOUBLE HOUSEHOLD UNIT ONLY)

FARMING, AGRICULTURE, IRRIGATION

INDUSTRIAL, COMMERCIAL, STATE AND FEDERAL GOVERNMENT

MUNICIPAL WATER SUPPLY } MUST HAVE STATE HEALTH DEPT. APPROVAL

PRIVATE WATER COMPANY }

TEST

B 4 DIRECTION FROM TOWN (CIRCLE APPROPRIATE BOX)

1 2 3 (SEQ. NO.) 6

NORTH EAST NE NORTHEAST SE SOUTHEAST

SOUTH WEST NW NORTHWEST SW SOUTHWEST

NEAR WHAT ROAD 5331 Landing Road

ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX) NORTH SOUTH EAST WEST

DISTANCE FROM ROAD (ENTER DISTANCE AND CIRCLE APPROPRIATE BOX) 550 MI 38 39

APPROXIMATE DEPTH OF WELL 150' 24 26 FEET

APPROXIMATE DIAMETER OF WELL 6" (NEAREST INCH)

METHOD OF DRILLING USED (CIRCLE APPROPRIATE METHOD)

BORED (OR AUGERED) JETTED DRIVEN

30-37 AIR-ROTARY AIR-PERCUSSION ROTARY (HYDRAULIC ROTARY)

CABLE REVERSE-ROTARY DRIVE-POINT

OTHER (DESCRIBE)

REPLACEMENT OR DEEPEINED 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 DEEPEIN AN EXISTING WELL PERMIT NUMBER OF WELL TO BE REPLACED OR DEEPEINED (IF AVAILABLE)

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

APPROPRIATION PERMIT NUMBER 54 ENGINEER REVIEW DISTRICT NO. 65

FORCE 67 68 WRITE INITIALS IN BOX CONDITIONS 69 70 71 72 73 74 75 76 77 78 79

B 4 CONTINUED HEALTH DEPARTMENT APPROVAL

1 2 3 (SEQ. NO.) 6 Howard W26926

41 STATE HEALTH (CIRCLE BOX) COUNTY NAME COUNTY NO.

DATE 09 22 77 MO. DAY YR.

43 48 Donald W. Monahan, Sanitarian APPROVED BY

DRAW A SKETCH BELOW SHOWING LOCATION OF WELL IN RELATION TO NEARBY TOWN'S ROADS AND STREAMS WITH NORTH IN THE DIRECTION OF THE ARROW, AND GIVE DISTANCE FROM WELL TO NEAREST ROAD JUNCTION OR STREAM CROSSING SHOWN ON THE SKETCH. ALSO SHOW, BY MEANS OF AN "X", THE WELL LOCATION IN THE BOX BELOW AND THE BOX NUMBER FROM THE WELL LOCATION MAP.

Sketch: A hand-drawn sketch showing a well location marked with an 'X' in a box. The well is located 25 9/16' from the top edge and ~252' deep. A 64' case is indicated. The well is 12' long. The date 19 Oct 77 is written. A north arrow points upwards. A distance of 650' is marked from the well to the road.

Well Location Map: A grid with a dashed line representing the well location. The grid has columns labeled 50, 51, 52, 53, 54, 55 and rows labeled 57, 58, 59, 60, 61, 62, 63. The well location is marked with an 'X' in the box at column 51 and row 60. The box number is 510. The elevation at the well head is 65 feet.

B 5 SPECIAL CONDITIONS 8-63 (WRA USE ONLY)

1 2 3 (SEQ. NO.) 6

C 1 **8932** SEQUENCE NO. (WRA USE ONLY)
 1 2 3 (SEQ. NO.) 6
 (THIS NUMBER IS TO BE PUNCHED IN COLS. 3-6 ON ALL CARDS)

STATE OF MARYLAND
WATER RESOURCES ADMINISTRATION
TAWES STATE OFFICE BLDG., ANNAPOLIS, MD. 21401
WELL COMPLETION REPORT

THIS REPORT MUST BE SUBMITTED WITHIN 30 DAYS AFTER WELL COMPLETION.
FILL IN THIS FORM COMPLETELY
 COUNTY NUMBER **W2526**

DATE RECEIVED (WRA USE ONLY) **October 19, 1977** DEPTH OF WELL **252** PERMIT NO. FROM "PERMIT TO DRILL WELL" **10-73-2346**
 DATE WELL COMPLETED **10 19 77** 22 (TO NEAREST FOOT) 26
 8-13 15 20 DRILLERS IDENTIFICATION NO. **296**

OWNER **Legal, Jr.** LAST NAME **Casimer C.** FIRST NAME
 STREET OR RFD **5331 Landing Road** POST OFFICE **Elkridge, Md 21227**

WELL LOG

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

DESCRIPTION (USE ADDITIONAL SHEETS IF NECESSARY)	FEET		CHECK IF WATER BEARING
	FROM	TO	
Silt	0	1	
Red Sand & Clay	1	13	X
Brown Sand	13	21	X
Clay & Sand	21	60	
Black Sandstone	60	65	
Brown Sandstone	65	66	X
Black Sandstone	66	170	
Opening	170	171	X
Black Sandstone	171	183	
Brown Sandstone	183	197	
Blue Sandstone	197	204	
Brown Sandstone	204	205	X
Blue Sandstone	205	206	
Brown Sandstone	206	210	X
Black Sandstone	210	247	
Brown Sandstone	247	250	X
Black Sandstone	250	252	

GROUTING RECORD

WELL HAS BEEN GROUTED (CIRCLE APPROPRIATE BOX) Y N
 TYPE OF GROUTING MATERIAL (CIRCLE BOX)
 CEMENT C M BENTONITE CLAY B C
 45-46 45-46
 NO. OF BAGS **12** NO. OF POUNDS **1,120**
 GALLONS OF WATER **72**
 DEPTH OF GROUT SEAL (TO NEAREST FOOT)
 FROM **0** FT. TO **62** FT.
 (ENTER 0 IF FROM SURFACE)

C 3 (SEQ. NO.) 6
PUMPING TEST
 HOURS PUMPED (TO NEAREST HOUR) **6**
 PUMPING RATE (GALLONS PER MINUTE TO NEAREST GALLON) **25**
 METHOD USED TO MEASURE PUMPING RATE **Flowmeter**
 WATER LEVEL: (DISTANCE FROM LAND SURFACE)
 BEFORE PUMPING **65** (NEAREST FOOT)
 WHEN PUMPING **250** (NEAREST FOOT)

CASING RECORD

INSERT APPROPRIATE CODE BELOW
 S T STEEL C O CONCRETE
 P L PLASTIC O T OTHER
 MAIN CASING TYPE S T NOMINAL DIAMETER TOP (MAIN) CASING (NEAREST INCH) **6** TOTAL DEPTH OF MAIN CASING (NEAREST FOOT) **64**
 60 61 63 64 66 70

TYPE OF PUMPED USED (CIRCLE APPROPRIATE BOX) (FOR PUMPING TEST)
 A AIR P PISTON T TURBINE
 C CENTRIFUGAL R ROTARY O OTHER (DESCRIBE BELOW)
 J JET S SUBMERSIBLE

OTHER CASING (IF USED)

EACH CASING	DIAMETER (INCH)		DEPTH (FEET)	
	FROM	TO	FROM	TO

PUMP INSTALLED

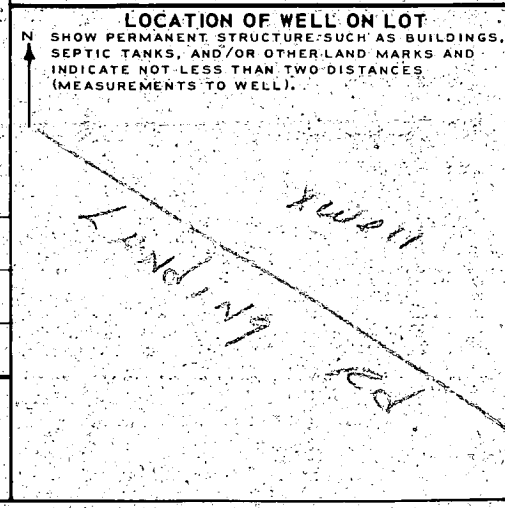
TYPE OF PUMP (WRITE APPROPRIATE LETTER IN BOX - SEE ABOVE: A, C, J, P, R, S, T, O) **29**
 DRILLER WILL INSTALL PUMP (CIRCLE APPROPRIATE BOX) Y N
 CAPACITY: GALLONS PER MINUTE (TO NEAREST GALLON) **31** **35**
 PUMP HORSE POWER **37** **41**
 PUMP COLUMN LENGTH (NEAREST FOOT) **43** **47**

SCREEN RECORD

INSERT APPROPRIATE CODE BELOW
 S T STEEL B R BRASS OR BRONZE H O OPEN HOLE
 P L PLASTIC O T OTHER

CASING HEIGHT (CIRCLE APPROPRIATE BOX AND ENTER CASING HEIGHT)
 + ABOVE LAND SURFACE (NEAREST FOOT) **49**
 - BELOW **50** **51**

C 2 (SEQ. NO.) 6
DEPTH (NEAREST WHOLE FOOT)
 FROM TO
 1 H O **64** **252**
 8 9 11 15 17 21
 2 23 24 26 30 32 36
 3 38 39 41 45 47 51
 SLOT SIZE 1, 2, 3



CIRCLE APPROPRIATE BOXES

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 I HAVE COMPLIED WITH ALL CONDITIONS STATED ON THE ABOVE-CAPTIONED "PERMIT TO DRILL WELL", AND THAT INFORMATION CONTAINED IN THIS REPORT IS TRUE, ACCURATE, AND COMPLETE TO THE BEST OF MY KNOWLEDGE, INFORMATION AND BELIEF.

DRILLER'S NAME **Ronald L. Kyker**
 (PLEASE PRINT)
 SIGNATURE *Ronald L. Kyker*

DIAMETER OF SCREEN **56** (NEAREST INCH) FROM TO
 GRAVEL PACK
 IF WELL DRILLED WAS A FLOWING WELL (CIRCLE BOX) **68** F
 WRA USE ONLY (NOT TO BE FILLED IN BY DRILLER) (E.R.O.S.)
 T 70 LOG CASING
 L 72 LOG INDICATOR
 W 74 OTHER DATA AVAILABLE
 Q 75
 76
 78