

8/14/78
9/14/78

PERMIT

P 28675

A 26042

SEWAGE DISPOSAL SYSTEM

MARYLAND STATE DEPARTMENT OF HEALTH*

HOWARD COUNTY

ELLICOTT CITY

INDEXED

DISTRICT 3rd

DATE 8/10/78

Scheel Construction Co. IS PERMITTED TO INSTALL X ALTER

ADDRESS _____ PHONE _____

SUBDIVISION Friendship Manor ROAD Wellworth Way LOT 22

PROPERTY OWNER William B. Ridgely

ADDRESS Spring Meadow Farms, Cooksville, Md. 21728

SPECIFICATIONS 4 bedrooms

SEPTIC TANK CAPACITY 1250 GALLONS

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

DEEP TRENCH _____ DEPTH _____ FEET, BOTTOM AREA _____ SQ. FT.

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

INLET PIPE _____ FT. BELOW ORIGINAL GRADE. MAXIMUM DEPTH _____ FT. BELOW ORIGINAL GRADE

EFFECTIVE DEPTH AT _____ FT. BELOW ORIGINAL GRADE.

LOCATE DISPOSAL AREA _____ FT. FROM _____ LOT LINE AND _____ FT. FROM _____ LOT LINE AS SEEN WHEN

DRY WELL AND TRENCH - ^{FACING LOT FROM} The system will contain no less than 195 sq. ft. of absorbent sidewall area per bedroom. Located the dry well 225 ft. from the front of the lot and 70 ft. from left side as seen when facing from Wellworth Way. The invert will enter the dry well at 3 ft. below original grade and the maximum depth of the dry well will not exceed 10 ft. below original grade. Begin the trench 5 ft. from the edge of the dry well and follow the contour of the land. The trench will be 2 ft. wide, 10 ft. deep, and contain 7 ft. of stone. Run trench towards left lot line.

PLANS APPROVED BY Robert T. Moorefield DATE 6/30/77 & 2/23/78

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: IF TRENCH IS USED CALL FOR INSPECTION BEFORE PLACING GRAVEL IN TRENCH.

NOTE: NO DRY WELL SHALL EXCEED 15 FOOT IN DIAMETER.

NOTE: ALL PIPE FROM HOUSE TO DISPOSAL AREA MUST BE CAST IRON.

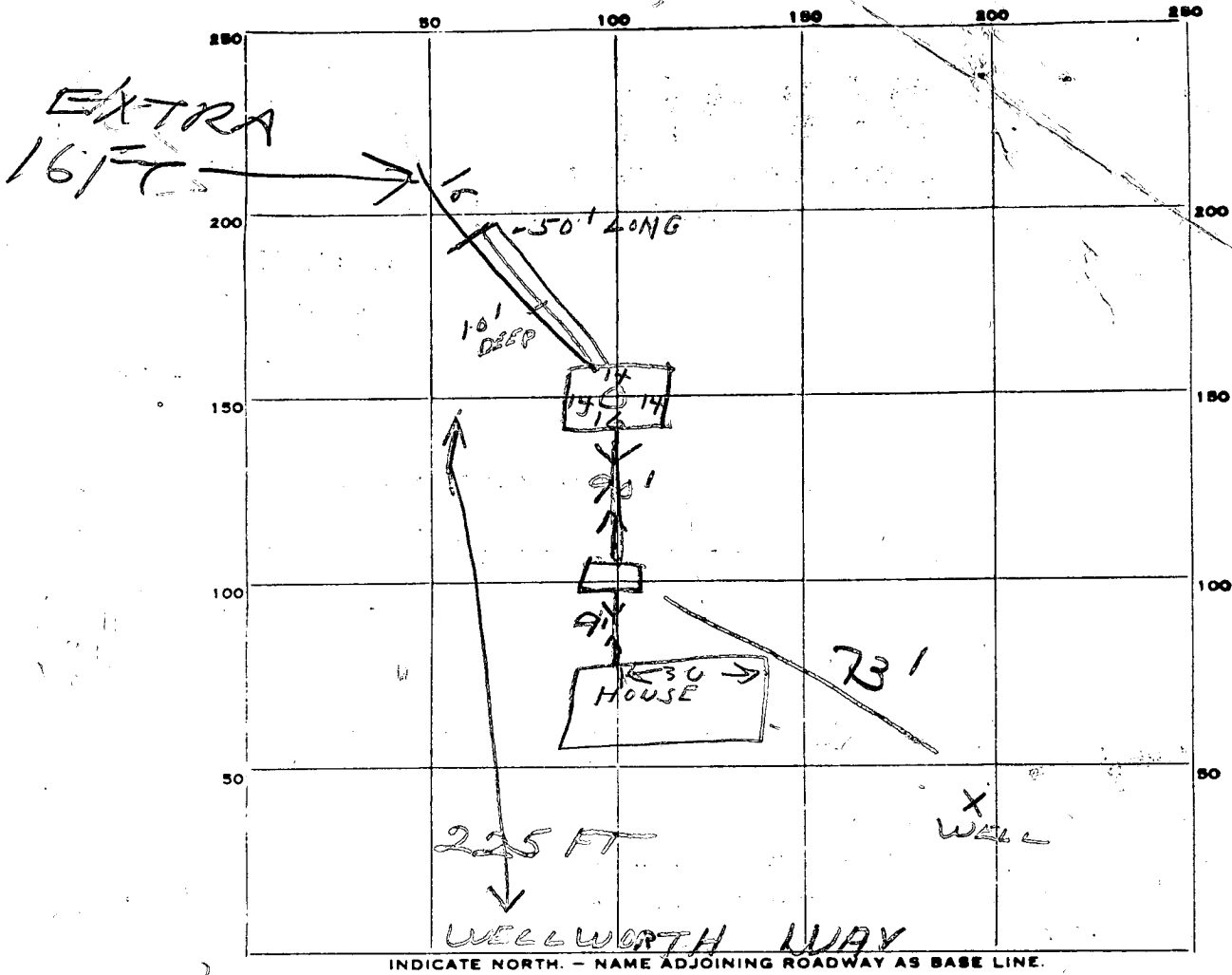
PERMIT VOID AFTER THREE YEARS.

NOTE: INSTALL STAND PIPE ON SEPTIC TANK AND DRY WELL. STAND PIPES MUST BE 8 INCHES IN DIAMETER. CAST IRON, CONCRETE OR TERRA COTTA ACCEPTED.

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

56

A 26042



PERMIT CARD _____

SEPTIC TANK, LEVEL OK 1350

CLEANOUTS OK OK

DISTRIBUTION BOX, LEVEL TOP 1 1/2 FT BELOW GRADE

~~INLET~~ DEPTH 10 FT. TRENCH WIDTH 2 FT.

DITCH GRAVEL DEPTH 7 FT IN. TOTAL LENGTH 50 FT.

NUMBER OF TRENCHES 1 TOTAL BOTTOM AREA ONE SIDE 350

SEEPAGE PITS, INSIDE DIAMETER PERIMETER 58 FT. DEPTH BELOW INLET 7 FT.

ABSORBENT AREA 396 SQ. FT.

REMARKS 8/14/78 - 4BR 780 SQ FT REQUIRED
INSTALL SEWERS, CLEANOUTS, STONE IN DITCHES DW
LENGTH DITCH TO MAKE REQUIRED 780 SQ FT
TOTAL REQ 791 14/78 746 TOTAL
AREA 780 REQUIRED ADD
50 SQ FT TO DITCH ONE SIDE
MAKE INLET 7 TO DW 3" HIGHER THAN DW OUTLET

DATE SYSTEM APPROVED 9/15/78 INSPECTOR R. HODGES

D 9/15/78 INLETS FIXED 1717 CH EXTENDED

APPLICATION

#35803

A 26042

SEWAGE DISPOSAL TESTING

P _____

STATE OF MARYLAND - DEPARTMENT OF HEALTH AND MENTAL HYGIENE

DISTRICT 3rd

HOWARD COUNTY HEALTH DEPARTMENT
ENVIRONMENTAL HEALTH SERVICES
P. O. BOX 476, ELLICOTT CITY, MARYLAND 21043
TELEPHONE: 465-5000, EXT. 356

DATE 6/7/77

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 William B. Ridgely

ADDRESS Spring Meadow Farm Cooksville, Md. 21728 PHONE Carol Clark

531-5115

PROPERTY LOCATION:

SUBDIVISION Ridgely Property (Friendship Manor) LOT NO. D9 22

ROAD AND DESCRIPTION Rte. 144 - Rte. 32

SIZE OF LOT ? TYPE BLDG. 3 or 4 bedroom
NUMBER OF BEDROOMS

IF NOT SINGLE RESIDENCE DESCRIBE _____

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

SIGNATURE OF APPLICANT /s/ Albert Schœel

APPROVED BY Rm & DON FOR du & m DATE 6/7/77 2-2398
(KIND OF SYSTEM)

REJECTED BY _____ FOR _____ DATE _____
(KIND OF SYSTEM)

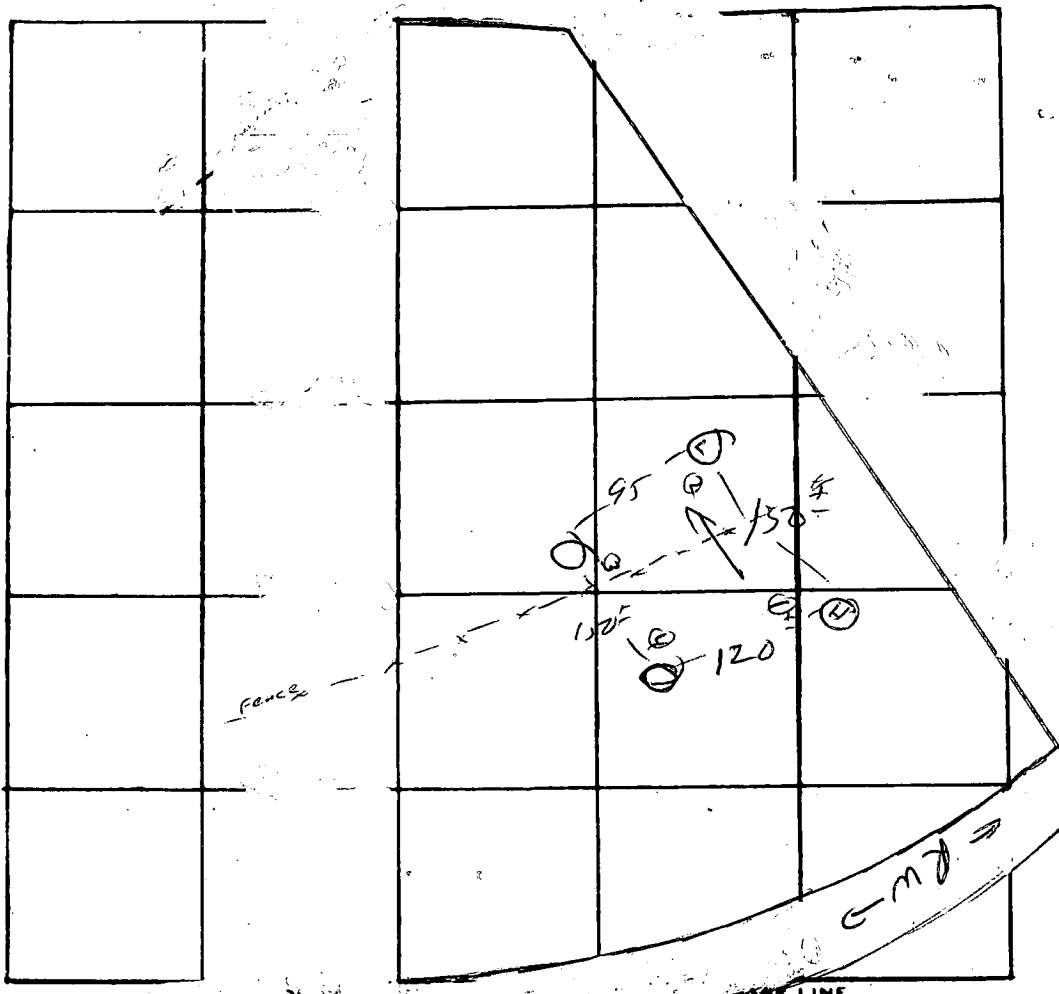
HOLD PENDING FURTHER TESTS _____ DATE _____

REASONS FOR REJECTION OR HOLDING _____

BLDG. PERMIT, SIGNED
AND RETURNED 6/13/78
serial # 35803

THIS IS NOT A PERMIT

Lot 19



0
13
sandy loam

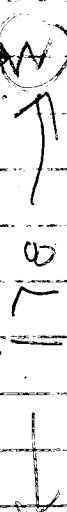
DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
July 77	1	2	10 ⁰⁵	10 ¹⁰	10 ¹⁰	10 ¹⁵	5
		13		10 ¹⁵	10 ¹⁵	10 ³⁴	19
	2	2		10 ¹¹	10 ¹¹	10 ¹⁹	8
		13		10 ¹⁵	10 ¹⁵	10 ³⁵	23
	3	2 1/2		10 ⁰⁹	10 ⁰⁹	10 ¹⁶	7
		13	↓	10 ¹³	10 ¹³	10 ²⁷	14
	4	12	vis				

REMARKS _____

TYPE OF SOIL ~~sandy loam~~ _____

TESTED BY M ALSO PRESENT: School

FOUNTAIN



WELL NORTH WAY

6/12/78 - WELL INSTALLED
IN RIGHT LOCATION
IN RELATION TO SEPTIC AREA

WELL H073 2199
LF EASTER DAY MILLER

RH

1 0379 SEQUENCE NO. (WRA USE ONLY) STATE OF MARYLAND WATER RESOURCES ADMINISTRATION TAWES STATE OFFICE BLDG., ANNAPOLIS, MARYLAND 21401 APPLICATION FOR PERMIT TO DRILL WELL WRA PERMIT NUMBER 140-73-2189

DATE RECEIVED: (WRA USE ONLY) OWNER: COL 15 LAST NAME COL 34 FIRST NAME COL 34 STREET OR RFD: COL 36 POST OFFICE: COL 57 COL 76

B 1 CONTINUED DRILLER INFORMATION 1 2 3 (SEQ. NO.) 6 DATE: 6/17/77 LICENSE NUMBER: 42 77 80 FIRST NAME: S. F. ... DRILLER LAST NAME: SIGNATURE: S. F. ...

B 3 LOCATION OF WELL 1 2 3 (SEQ. NO.) 6 COUNTY: Howard (DO NOT ABBREVIATE COUNTY NAME) 21 SUBDIVISION: ... 23 SECTION: ... 44 LOT: #22 48' 50' NEAREST TOWN: West Friendship 52 MILES FROM TOWN (ENTER 0 IF IN TOWN): 0 MI 71 73 76 77 78

B 2 WELL INFORMATION 1 2 3 (SEQ. NO.) 6 MAXIMUM PUMPING RATE (GALLONS PER MINUTE): 5 8 12 AVERAGE DAILY QUANTITY NEEDED (GALLONS PER DAY): 14 20

B 4 DIRECTION FROM TOWN (CIRCLE APPROPRIATE BOX) N NORTH E EAST NE NORTHEAST SE SOUTHEAST S SOUTH W WEST NW NORTHWEST SW SOUTHWEST NEAR WHAT ROAD: at 144 ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX) N 32 S 32 E 32 W 32 DISTANCE FROM ROAD (ENTER DISTANCE AND CIRCLE APPROPRIATE BOX): 500 34 37 38 39

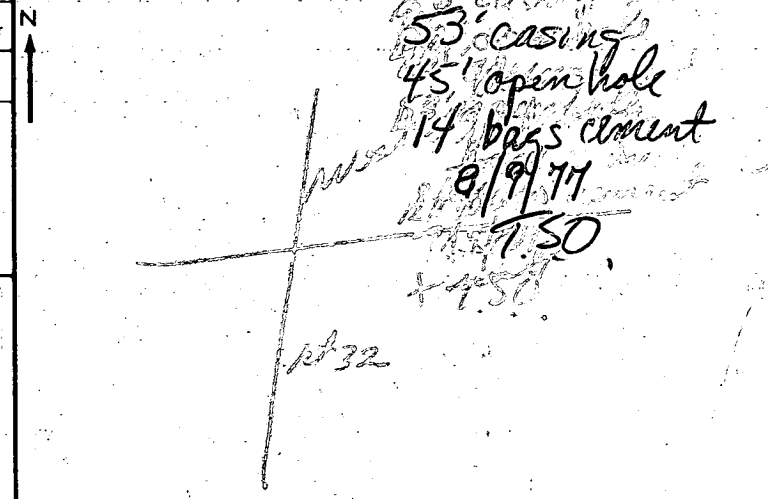
USE FOR WATER (CIRCLE APPROPRIATE BOX) D HOME (SINGLE OR DOUBLE HOUSEHOLD UNIT ONLY) F FARMING, AGRICULTURE, IRRIGATION I INDUSTRIAL, COMMERCIAL, STATE AND FEDERAL GOVERNMENT. M MUNICIPAL WATER SUPPLY P PRIVATE WATER COMPANY T TEST MUST HAVE STATE HEALTH DEPT. APPROVAL

DRAW A SKETCH BELOW SHOWING LOCATION OF WELL IN RELATION TO NEARBY TOWNS, 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.

APPROXIMATE DEPTH OF WELL: 150 FEET 24 28

APPROXIMATE DIAMETER OF WELL: 6 (NEAREST (INCH))

METHOD OF DRILLING USED (CIRCLE APPROPRIATE METHOD) BORED (OR AUGERED) JETTED DRIVEN 80-87 AIR-ROTARY AIR-PERCUSSION ROTARY (HYDRAULIC ROTARY) CABLE REVERSE-ROTARY DRIVE-POINT OTHER (DESCRIBE):



REPLACEMENT OR DEEPEMED WELLS (CIRCLE APPROPRIATE BOX) N THIS WELL WILL NOT REPLACE AN EXISTING WELL Y THIS WELL WILL REPLACE A WELL THAT WILL BE ABANDONED AND SEALED S THIS WELL WILL REPLACE A WELL THAT WILL BE USED AS A STANDBY D THIS WELL WILL DEEPEM AN EXISTING WELL PERMIT NUMBER OF WELL TO BE REPLACED OR DEEPEMED (IF AVAILABLE):

NOT TO BE FILLED IN BY DRILLER (WRA USE ONLY) APPROPRIATION PERMIT NUMBER: 54 ENGINEER REVIEW DISTRICT NO.: 65 FORCE: C0 WRITE INITIALS IN BOX CONDITIONS: A E N S G W Q C L U 70 71 72 73 74 75 76 77 78 79

BOX NUMBER: E 910 N 530 NORTH COORDINATE: 50 51 52 53 54 55 EAST COORDINATE: 57 58 59 60 61 62 63 ELEVATION AT WELL HEAD (FEET): 65 66 67 68 0/0 5/0

B 4 CONTINUED HEALTH DEPARTMENT APPROVAL 1 2 3 (SEQ. NO.) 6 Howard 026146 COUNTY NAME: COUNTY NO.: DATE: 6 2 8 7 7 APPROVED BY: 43 48

B 5 SPECIAL CONDITIONS 8-63 (WRA USE ONLY) 1 2 3 (SEQ. NO.) 6

C 1 **2690** SEQUENCE NO. (WRA USE ONLY)

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

DATE RECEIVED (WRA USE ONLY) _____ DATE WELL COMPLETED 11/1/77

8-13 15 20

STATE OF MARYLAND
WATER RESOURCES ADMINISTRATION

TAWES STATE OFFICE BLDG., ANNAPOLIS, MD. 21401

WELL COMPLETION REPORT

DEPTH OF WELL 120
 22 (TO NEAREST FOOT) 26

PERMIT NO. FROM "PERMIT TO DRILL WELL" HC-73-2077
 28 29 30 31 32 33 34 35 36 37

DRILLERS IDENTIFICATION NO. 42

THIS REPORT MUST BE SUBMITTED WITHIN 30 DAYS AFTER WELL COMPLETION

FILL IN THIS FORM COMPLETELY

COUNTY NUMBER _____

OWNER Scheel Albert LAST NAME FIRST NAME Ellcott City Md.

STREET OR RFD 3620 SCHEEL DR. POST OFFICE

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	
Top Soil	0	2	
Shale	2	30	
Brown SLATE	30	70	
Mica	70	120	✓

GROUTING RECORD YES NO

WELL HAS BEEN GROUTED (CIRCLE APPROPRIATE BOX)

TYPE OF GROUTING MATERIAL (CIRCLE BOX)

CEMENT BENTONITE CLAY

NO. OF BAGS 144 NO. OF POUNDS 1400

GALLONS OF WATER 70

DEPTH OF GROUT SEAL (TO NEAREST FOOT)

FROM 0 FT. TO 45 FT.

CASING RECORD

CASING TYPES (INSERT APPROPRIATE CODE BELOW)

STEEL CONCRETE

PLASTIC OTHER

MAIN CASING TYPE ST NOMINAL DIAMETER TOP (MAIN) CASING (NEAREST INCH) 6 TOTAL DEPTH OF MAIN CASING (NEAREST FOOT) 53

OTHER CASING (IF USED)

DIAMETER (INCH) _____ DEPTH (FEET) FROM _____ TO _____

SCREEN RECORD

SCREEN TYPE OR OPEN HOLE (INSERT APPROPRIATE CODE BELOW)

STEEL BRASS OR BRONZE OPEN HOLE

PLASTIC OTHER

C 2 (SEQ. NO.) 6

DEPTH (NEAREST WHOLE FOOT)

EACH SCREEN	FROM		TO	
	8	9	15	17
1	<u>40</u>	<u>51</u>	<u>120</u>	
2				
3				

SLOT SIZE 1, _____ 2, _____ 3, _____

DIAMETER OF SCREEN 56 (NEAREST INCH) FROM _____ TO _____

GRAVEL PACK _____

IF WELL DRILLED WAS A FLOWING WELL CIRCLE BOX

WRA USE ONLY (NOT TO BE FILLED IN BY DRILLER) (E.R.O.S.)

TELESCOPE CASING LOG INDICATOR

C 3 (SEQ. NO.) 6

PUMPING TEST

HOURS PUMPED (TO NEAREST HOUR) 2 1/2

PUMPING RATE (GALLONS PER MINUTE TO NEAREST GALLON) 25

METHOD USED TO MEASURE PUMPING RATE BUCKET

WATER LEVEL: (DISTANCE FROM LAND SURFACE)

BEFORE PUMPING 40 (NEAREST FOOT)

WHEN PUMPING 120 (NEAREST FOOT)

TYPE OF PUMP USED (CIRCLE APPROPRIATE BOX) (FOR PUMPING TEST)

AIR PISTON TURBINE

CENTRIFUGAL ROTARY OTHER (DESCRIBE BELOW)

JET SUBMERSIBLE

PUMP INSTALLED

TYPE OF PUMP (WRITE APPROPRIATE LETTER IN BOX - SEE ABOVE: A, C, J, P, R, S, T, O)

DRILLER WILL INSTALL PUMP (CIRCLE APPROPRIATE BOX) YES NO

CAPACITY:

GALLONS PER MINUTE (TO NEAREST GALLON) _____

PUMP HORSE POWER _____

PUMP COLUMN LENGTH (NEAREST FOOT) _____

CASING HEIGHT (CIRCLE APPROPRIATE BOX AND ENTER CASING HEIGHT)

ABOVE } LAND SURFACE _____ (NEAREST FOOT)

BELOW } 2

LOCATION OF WELL ON LOT

SHOW PERMANENT STRUCTURE SUCH AS BUILDINGS, SEPTIC TANKS, AND/OR OTHER LAND MARKS AND INDICATE NOT LESS THAN TWO DISTANCES (MEASUREMENTS TO WELL).

100
20
House

CIRCLE APPROPRIATE BOXES

A WELL WAS ABANDONED AND SEALED WHEN THIS WELL WAS COMPLETED

ELECTRIC LOG OBTAINED

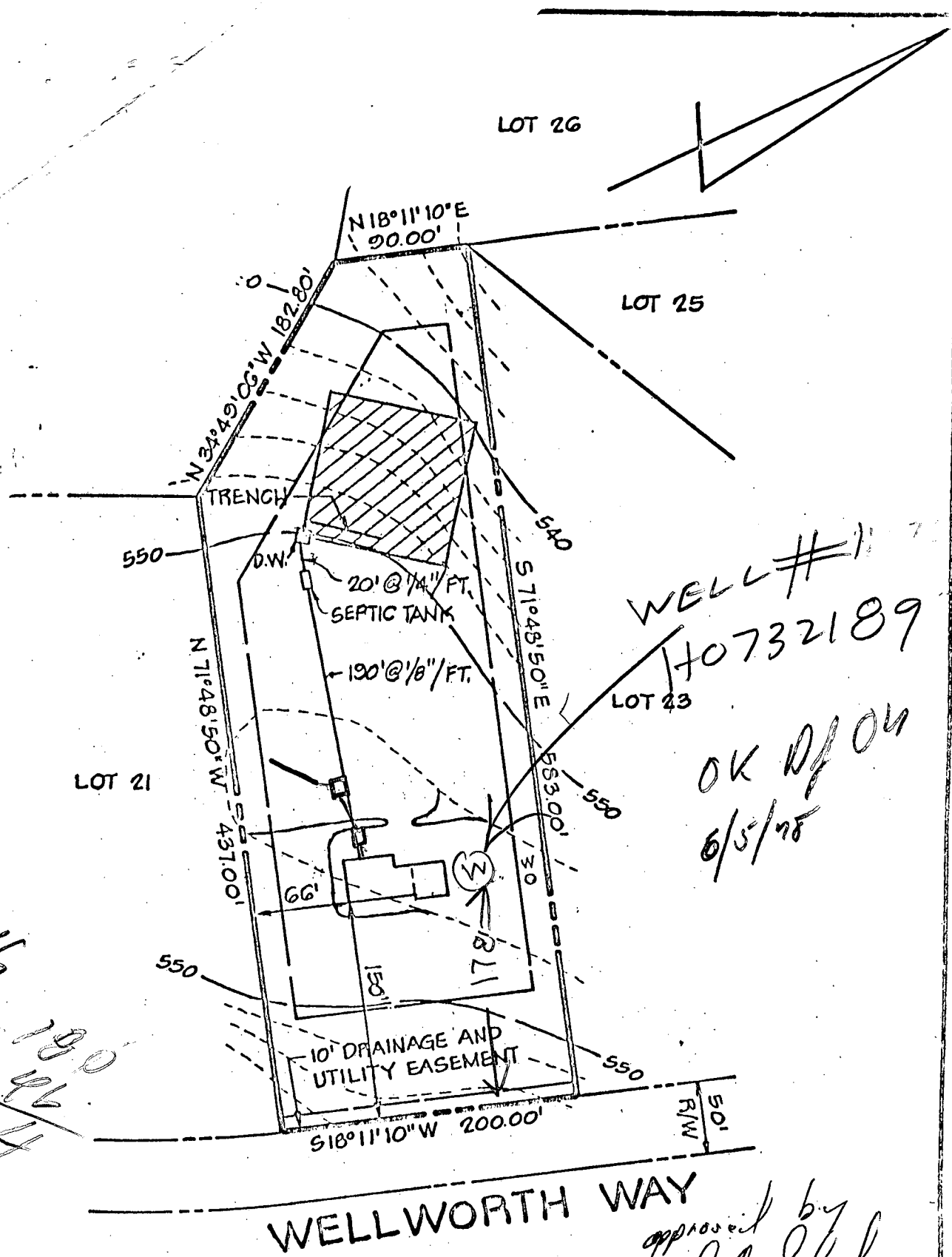
TEST WELL CONVERTED TO PRODUCTION WELL

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.

DRILLERS NAME L. F. Ellcott

(PLEASE PRINT) L. F. Ellcott

SIGNATURE L. F. Ellcott



WELL # 117
 H0732189
 OK Df ON
 6/5/78

396
 350
 174
 180
 46
 34
 56

WELLWORTH WAY

approved by
 E.L. Schul

HOUSE:	SEPTIC TANK:	DRYWELL:
F.F. ELEV. = 553.3	EX. GRADE = 557.0 553	EX. GRADE = 552.0 553
BSMT. ELEV. = 544.5	FIN. GRADE = 557.0 552	FIN. GRADE = 552.0 553
INV. OUT = 540.6	INV. IN = 547.7 549.4	INV. IN = 547.0 548.5
	INV. OUT = 547.4 549.1	WELL:
		EX. GRADE = 553.0
		FIN. GRADE = 553.0

TITLE GRADING STUDY			
PROJECT FRIENDSHIP MANOR - SECTION 2 - LOT 22			
LOCATION 3RD ELECTION DISTRICT		HOWARD CO, MD.	
DATE: APRIL, 1978	DESIGN BY: -	DRAWN BY: J.J.B.	CHECKED BY: R.L.M.
SCALE: 1" = 100'	JOB NO.: 7768	DRAWING NO.: 1 OF 1	

boender associates

engineers
 surveyors
 planners