

11/15/88 pm

File

R/S#?

# PERMIT

## SEWAGE DISPOSAL SYSTEM

### MARYLAND STATE DEPARTMENT OF HEALTH

P 43/46

A 40839

DISTRICT 4th

DATE 11/30/88

**HOWARD COUNTY**  
BUREAU OF ENVIRONMENTAL HEALTH  
461-9933

2 SHARP TURNS

DATE SYSTEM APPROVED 11/15/88

BLK SIGN CONST SIGN ON LEFT  
DUBS ON HILL "OVER THE HILL"  
TO THE RIGHT

INSPECTOR C. B. V

Jack Fyock

IS PERMITTED TO INSTALL  ALTER

ADDRESS \_\_\_\_\_ PHONE 988-9270

SUBDIVISION Riggs Property ROAD 3100 McNeal Road LOT B

PROPERTY OWNER Adelaide Riggs (Tenant House)

ADDRESS \_\_\_\_\_

10/25/04 Noted  
As pres P. A  
This is closest to  
The 2 Balms

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 3

TRENCHES - 200 sq. ft. per bedroom. Trench to be 3 feet wide. Inlet 4.0 feet below original grade. Bottom maximum depth 5 1/2 feet below original grade. Effective area begins at 4.0 feet below original grade. 1.5 feet of stone below distribution pipe.

LOCATION - SHALLOW SYSTEM ONLY. Place the first trench 980 feet off the intersect of the 500 ft and 2665 ft lot corner and 1180 feet from McNeal Road. Center Line. Run trenches on contour toward the left 500' lot line. May install system according to approved health department site plan.

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

PLANS APPROVED BY Sid Abel DATE 6/01/88

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 TRENCHES ARE USED CALL FOR INSPECTION BEFORE AND AFTER PLACING GRAVEL IN TRENCHES

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

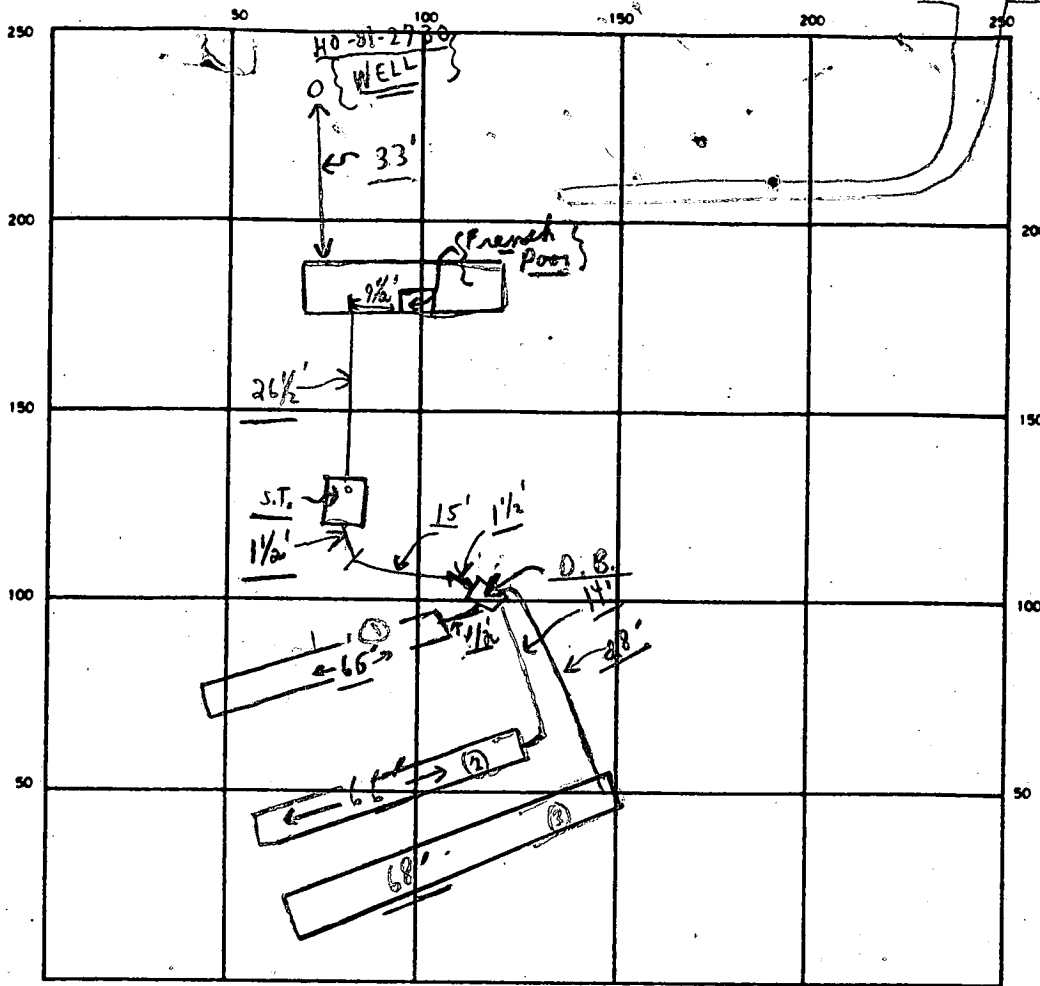
NOTE: INSTALL STAND PIPE ON SEPTIC TANK AND DRY WELL. STAND PIPES MUST BE 6 INCHES IN DIAMETER. CAST IRON, CONCRETE OR TERRA COTTA OR PVC OR ABS ACCEPTED. IF TOP OF SEPTIC TANK IS DEEPER THAN 3 FEET, MANHOLE TO GRADE REQUIRED

NOTE: DISTRIBUTION BOXES MUST HAVE BAFFLES

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

\*CALL 461-9933 FOR INSPECTION OF SEPTIC SYSTEMS.

A 40839



INDICATE NORTH — NAME ADJOINING ROADWAY AS BASE LINE

S. T.

SEPTIC TANK LEVEL OK CLEANOUTS OK

DISTRIBUTION BOX LEVEL OK (Baffles in)

DRAIN FIELD/TILE FIELD DEPTH 5 1/2 FT. TRENCH WIDTH 3 FT. INLET DEPTH 4 FT.

EFFECTIVE GRAVEL DEPTH 2 + FT. TOTAL LENGTH 66' } FT 200  
66' }  
68' }

NUMBER OF TRENCHES 3 ONE SIDEWALL/BOTTOM AREA 600 SQ. FT.

DRYWELL INSIDE DIAMETER \_\_\_\_\_ FT. EFFECTIVE DEPTH BELOW INLET \_\_\_\_\_ FT.

ABSORBENT AREA 600 SQ. FT.

REMARKS 11/15/88 FINAL - OK TO COVER; Files, C.R. &

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DATE SYSTEM APPROVED 11/15/88 INSPECTOR Charles Bryan Stecker

# APPLICATION

PERCOLATION TESTING

A 40839

P \_\_\_\_\_

HOWARD COUNTY HEALTH DEPARTMENT  
BUREAU OF ENVIRONMENTAL HEALTH  
P.O. BOX 476 ELLICOTT CITY, MARYLAND 21043  
TELEPHONE: 461-9933

DISTRICT 4TH

- ① 200' RESTRICTION TO STREAMS
- ② WET SEASON TEST.

DATE 1-19-88

TO: THE COUNTY HEALTH OFFICER  
ELLICOTT CITY, MARYLAND

OK TO PROCESS  
SA

I HEREBY APPLY FOR THE NECESSARY TEST IN ORDER TO CONSTRUCT (OR RECONSTRUCT) A SEWAGE DISPOSAL SYSTEM.

PROPERTY OWNER Adelaide Riggs

ADDRESS 3104 McNeal Rd Woodbine, Md 21797 PHONE 489-7035  
Shirley Richardson

PROSPECTIVE BUYER N/A

ADDRESS \_\_\_\_\_ PHONE \_\_\_\_\_

PROPERTY LOCATION:

SUBDIVISION N/A LOT NO. \_\_\_\_\_

ROAD AND DESCRIPTION 3100 McNeal Rd.

TAX MAP 14 PARCEL # 64

Exercising Barn, inside-rink  
Bathrooms and  
House sink

SIZE OF LOT 366.53A TYPE BLDG Single Family Dwelling  
(SINGLE FAMILY DWELLING OR COMMERCIAL)

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

Shirley A. Richardson  
(SIGNATURE OF APPLICANT)

APPROVED BY Sid Abel FOR Shallow Trenches DATE 6/1-88

REJECTED BY \_\_\_\_\_ FOR \_\_\_\_\_ DATE \_\_\_\_\_

BEDG. PERMIT SIGNED  
AND RETURNED 6-1-88 BP18795  
DATE 5/26

REASONS FOR REJECTION OR HOLDING 3-4-88 Pending plat approval and perc hole locations. Make sure barns and wells are above the septic elevations. Owner plans to grade up elev. for barns. JEN

HD-216

## THIS IS NOT A PERMIT

High

Low

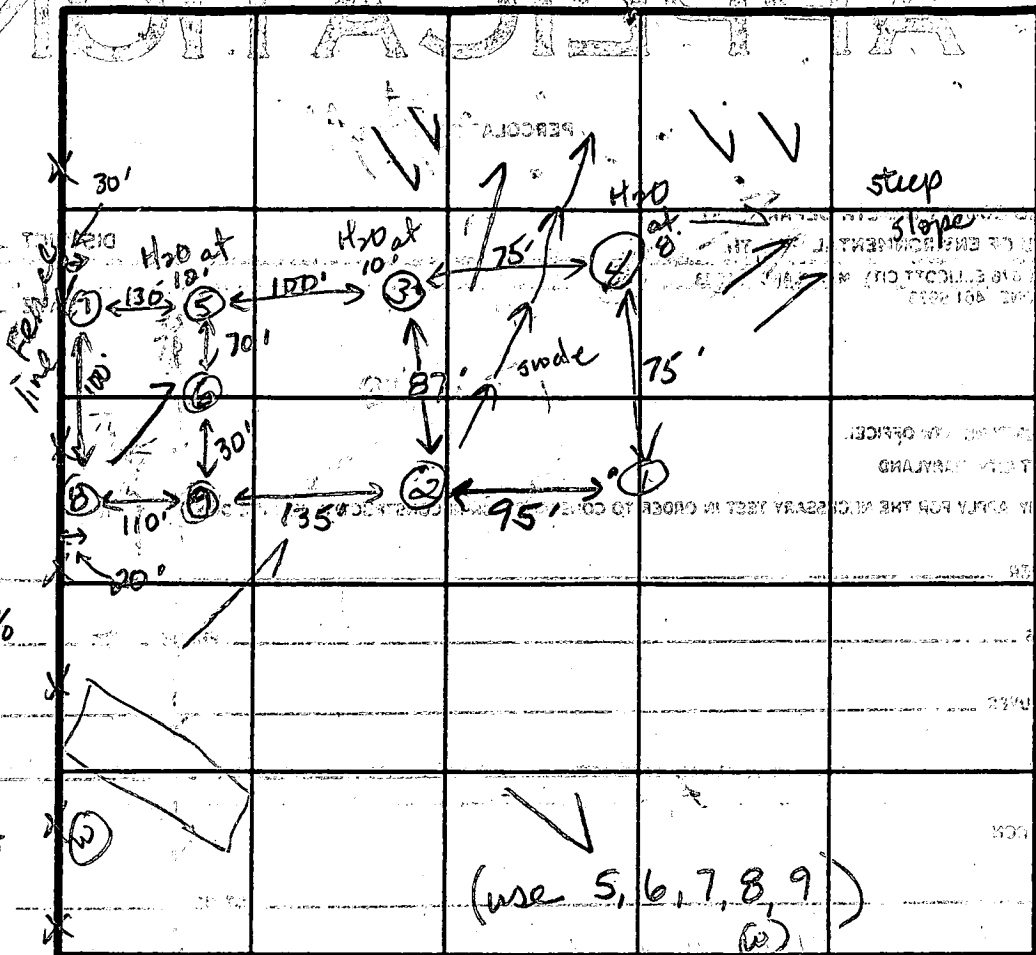
SOIL-PROFILE

0-2 Br sa si cl loam

2-3.5 Br sa si lm, some broken rock frags < 30%

3.5-9.0 Br sa si loam, < 20% saprolite, < 90% broken rx frags, some relict structure

9.0 Refusal



0-2.5 Br sa cl loam

2.5-5 Br sa si loam, some broken rx frags < 40%

5-8.5 Br mica Sa si lm < 60% saprolite, broken rock frags, < 30%

8.5 Bottom Water at 8.0'

INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

②

0-3 Rd br sa si cl lm

3-5 Br sa si lm

5-13 Brown sa si lm, < 20% saprolite

13.0 Bottom

③

0-5.0 Br sa cl lm

5.0-12.5 Br sa si lm, < 20% saprolite

12.5 Bottom Water at 9.0 ft.

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
3-3-88	1	4.0 S	10:37:24	10:38:33	10:38:33	10:41:16	3*
		7.5 M	10:34:00	10:34:35	10:34:35	10:36:00	1:25
		9.0 D	(Refusal at 9.0 ft.)				failed
	2	3.5 S	10:46:44	10:54:10	10:54:07	11:10:10	14
		9.0 M	10:44:22	10:47:15	10:47:15	10:53:57	6
		13.0 D	Bottom	(see profile)			
	3	4.0 S	11:18:03	11:23:16	11:23:16	11:33:00	10
		7.0 M	11:17:04	11:32:00			slow
		12.5 D	(Water at 9.0 ft.)				
	5	5.0 S	11:38:54	11:47:05	11:47:05	12:00:00	13
		8.0 M	11:38:09	11:42:00	11:42:00	11:48:10	6
		12.0 D	(Water at 12.0')				
	6	4.0 S	11:52:11	11:54:50	11:54:50	12:00:00	5*
		7.5 M	11:51:03	11:54:01	11:54:01	12:02:07	8
		12.0 D	(see profile)	Bottom			

Owner wants 2 wells, will grade barn site. Must keep barn and well up El. of field. Cannot grade septic area.

TYPE OF SOIL

TESTED BY

J.E. Nadeau

ALSO PRESENT

29.  
2.4  
11.6  
6.9  
110  
55  
2.4  
220  
110  
13  
2.1  
12  
100  
54  
2.4  
108

# APPLICATION

PERCOLATION TESTING

A 40839

P \_\_\_\_\_

HOWARD COUNTY HEALTH DEPARTMENT  
BUREAU OF ENVIRONMENTAL HEALTH  
P.O. BOX 476 ELLICOTT CITY, MARYLAND 21043  
TELEPHONE: 461-9933

DISTRICT 4TH

DATE 1-19-88

TO: THE COUNTY HEALTH OFFICER  
ELLICOTT CITY, MARYLAND

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PROPERTY OWNER Adeleide Riggs

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Shirley Richardson

PROSPECTIVE BUYER N/A

ADDRESS \_\_\_\_\_ PHONE \_\_\_\_\_

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SUBDIVISION N/A LOT NO. \_\_\_\_\_

ROAD AND DESCRIPTION \_\_\_\_\_

TAX MAP 14 PARCEL # 64

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(SIGNATURE OF APPLICANT)

APPROVED BY \_\_\_\_\_ FOR \_\_\_\_\_ DATE \_\_\_\_\_

REJECTED BY \_\_\_\_\_ FOR \_\_\_\_\_ DATE \_\_\_\_\_

HOLD PENDING FURTHER TESTS \_\_\_\_\_ DATE \_\_\_\_\_

REASONS FOR REJECTION OR HOLDING \_\_\_\_\_

HD-216

# THIS IS NOT A PERMIT



C1 7799 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 A 40839

DATE Received

DATE WELL COMPLETED 15/1388

Depth of Well 22 225 26 (TO NEAREST FOOT)

PERMIT NO. FROM "PERMIT TO DRILL WELL" 10-81-2730

OWNER RIGGS AUGUSTA STREET OR RFD MENDAL ROAD TOWN GLENDWOOD SUBDIVISION MAP 14 R19 P/O P.64 SECTION LOT EXERCISING BARN

WELL LOG Not required for driven wells STATE THE KIND OF FORMATIONS PENETRATED, THEIR COLOR, DEPTH, THICKNESS AND IF WATER BEARING

Table with columns: DESCRIPTION, FEET (FROM, TO), Check if water bearing. Includes entries for SAND Stone (0-28) and GRAY mica Rock (28-225).

GROUTING RECORD WELL HAS BEEN GROUTED (Y) TYPE OF GROUTING MATERIAL CEMENT (CM) BENTONITE CLAY (BC) NO. OF BAGS 7 NO. OF POUNDS 658 GALLONS OF WATER 42 DEPTH OF GROUT SEAL (to nearest foot) from 0 ft. to 37 ft.

CASING RECORD MAIN Nominal diameter Total depth CASING top (main) casing of main casing TYPE (nearest inch) (nearest foot) ST A 33

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

SCREEN RECORD screen type or open hole insert appropriate code below ST BR HO STEEL BRASS OPEN HOLE BRONZE HOLE PLASTIC OTHER

DEPTH (nearest ft.) HO 32 225 EACH SCREEN SLOT SIZE 1 2 3 DIAMETER OF SCREEN (NEAREST INCH)

PUMPING TEST HOURS PUMPED (nearest hour) 3 PUMPING RATE (gal. per min. to nearest gal.) 15 METHOD USED TO MEASURE PUMPING RATE Bucket WATER LEVEL (distance from land surface) BEFORE PUMPING 42 WHEN PUMPING 47 TYPE OF PUMP USED (for test) S submersible

PUMP INSTALLED DRILLER WILL INSTALL PUMP 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: CAPACITY: GALLONS PER MINUTE (to nearest gallon) PUMP HORSE POWER PUMP COLUMN LENGTH (nearest ft.) CASING HEIGHT (circle appropriate box and enter casing height) LAND SURFACE (nearest foot)

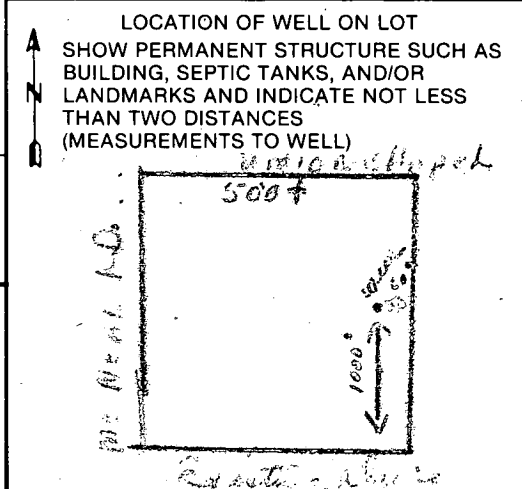
CIRCLE APPROPRIATE LETTER A A WELL WAS ABANDONED AND SEALED WHEN THIS WELL WAS COMPLETED E ELECTRIC LOG OBTAINED P TEST WELL CONVERTED TO PRODUCTION WELL

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. 238 DRILLERS SIGNATURE Joseph L. Mays SITE SUPERVISOR (sign. of driller or journeyman responsible for sitework if different from permittee)

GRAVEL PACK 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







692

SEQUENCE NO. (DP USE ONLY)

STATE OF MARYLAND PERMIT TO DRILL WELL

please print or type

STATE PERMIT NUMBER

HO-81-2730

fill in this form completely

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

Date Received (APA)

04 20 88

OWNER INFORMATION

RISGS Owner VEVUSYUS First Name

2107 WOODLARK RD Street or RFD

GLENNWOOD Town MD Zip

DRILLER INFORMATION

Joseph K. Mayne 238 77 License No. 80

Joseph K. Mayne WELL DRILLING Firm Name 5512 Ridge Rd. Mt. Airy, Ind. 21771 Address

Joseph K. Mayne 4/19/88 Date

LOCATION OF WELL

HOWARD 8 COUNTY

MAR 14 919 P/O P.64 23 SUBDIVISION

SECTION 44 46 LOT 48 50

GLENNWOOD 52 NEAREST TOWN

MILES FROM TOWN (enter 0 if in town) 2 MI

WELL INFORMATION

APPROX. PUMPING RATE (GAL. PER MIN.) 7

AVERAGE DAILY QUANTITY NEEDED (GAL. PER DAY) 750

USE FOR WATER (CIRCLE APPROPRIATE BOX)

- D HOME (SINGLE OR DOUBLE HOUSEHOLD UNIT ONLY)
F FARMING (LIVESTOCK WATERING & AGRICULTURAL IRRIGATION)
I INDUSTRIAL, COMMERCIAL, STATE AND FEDERAL GOV. OTHER (REQUIRES APPROPRIATION PERMIT)
P PUBLIC OR PRIVATE WATER COMPANY (REQUIRES APPROPRIATION PERMIT AND STATE HEALTH DEPARTMENT APPROVAL)
T TEST, OBSERVATION, MONITORING (MAY REQUIRE APPROPRIATION PERMIT)

NOT TO BE FILLED IN BY DRILLER HEALTH DEPARTMENT APPROVAL

HOWARD COUNTY NAME A 40839 COUNTY NO.

STATE SIGNATURE DATE ISSUED INSERT S

051088 B Nylan 11/10/88 CO SIGNATURE EXP. DATE

NORTH GRID 528000 EAST GRID 0784000

APPROXIMATE DEPTH OF WELL 240 FEET

APPROXIMATE DIAMETER OF WELL 6 INCH

METHOD OF DRILLING (circle one)

- BORED (or Augered) JETTED Jetted & DRIVEN
AIR-ROtary AIR-PERcussion ROTARY (Hydraulic; Rotary)
CABLE REVerse-ROtary Drive-POINT
other

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)

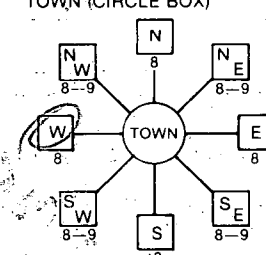
Not to be filled in by driller (OEP USE ONLY)

APPROP. PERMIT NUMBER GAP

FORCE INITIALS PERMIT No. HO-81-2730

SPECIAL CONDITIONS

DIRECTION OF WELL FROM TOWN (CIRCLE BOX)



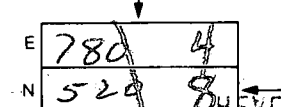
Mc Neal Road NEAR WHAT ROAD

ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX) NORTH WEST EAST SOUTH DISTANCE FROM ROAD ENTER FT or MI

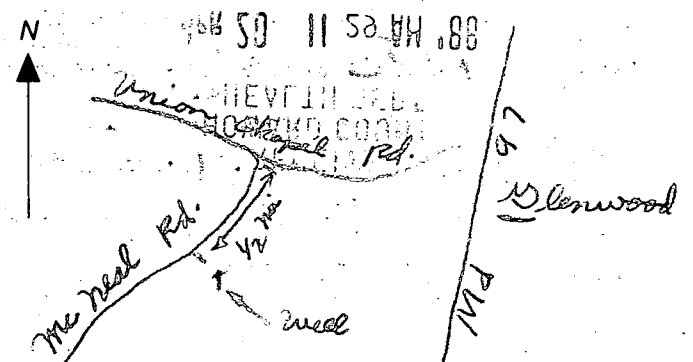
- SHOW MAJOR FEATURES OF BOX & LOCATE WELL WITH AN X
SOURCES OF DRILLING WATER
1. WELL
2.
3.

5/13/88
grow on the location as per stake
33' casing (1 1/2' above)
30' open
7 bags

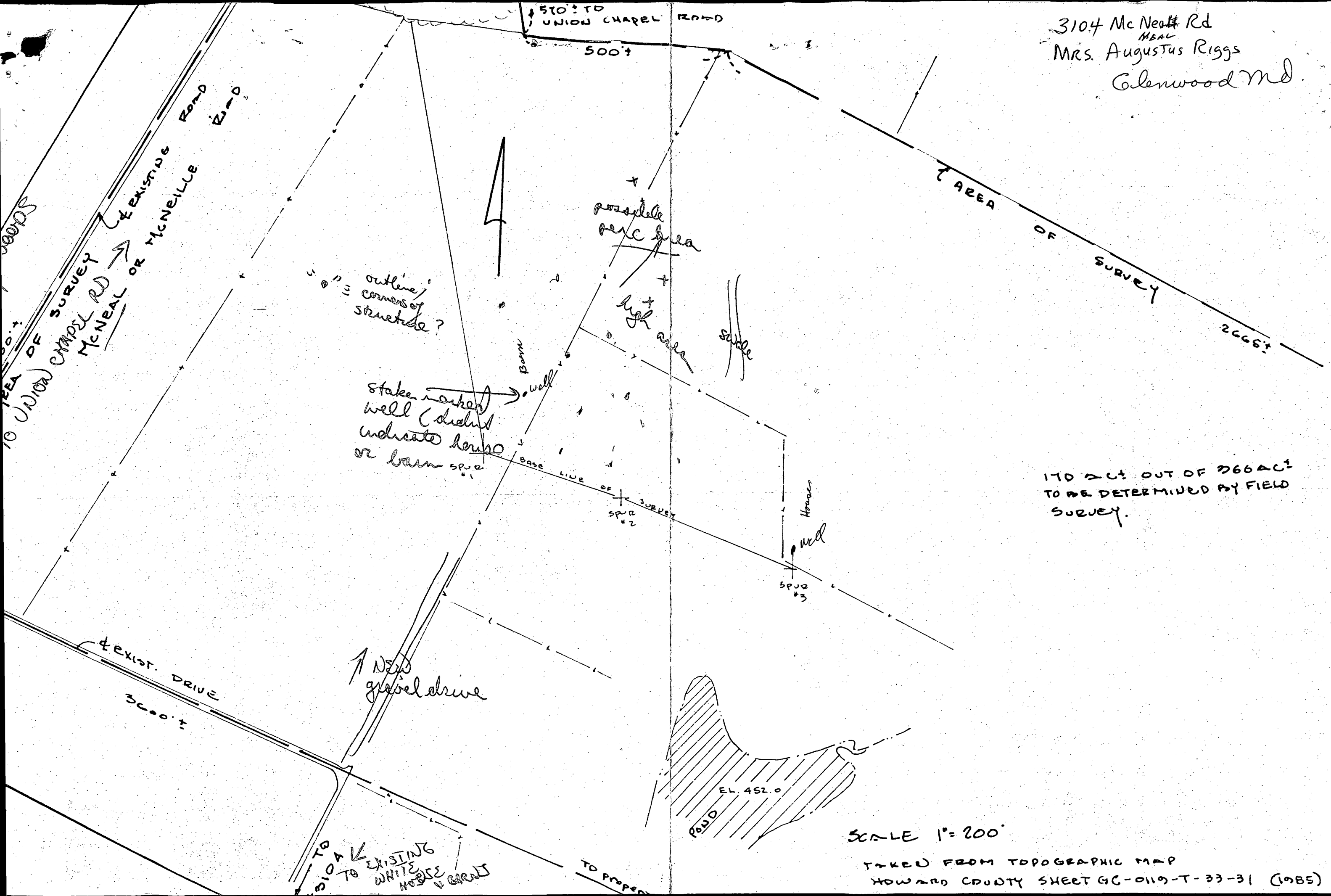
WRITE THE BOX NUMBER FROM THE MAP HERE



DRAW A SKETCH BELOW SHOWING LOCATION OF WELL IN RELATION TO NEARBY TOWNS AND ROADS AND GIVE DISTANCE FROM WELL TO NEAREST ROAD JUNCTION



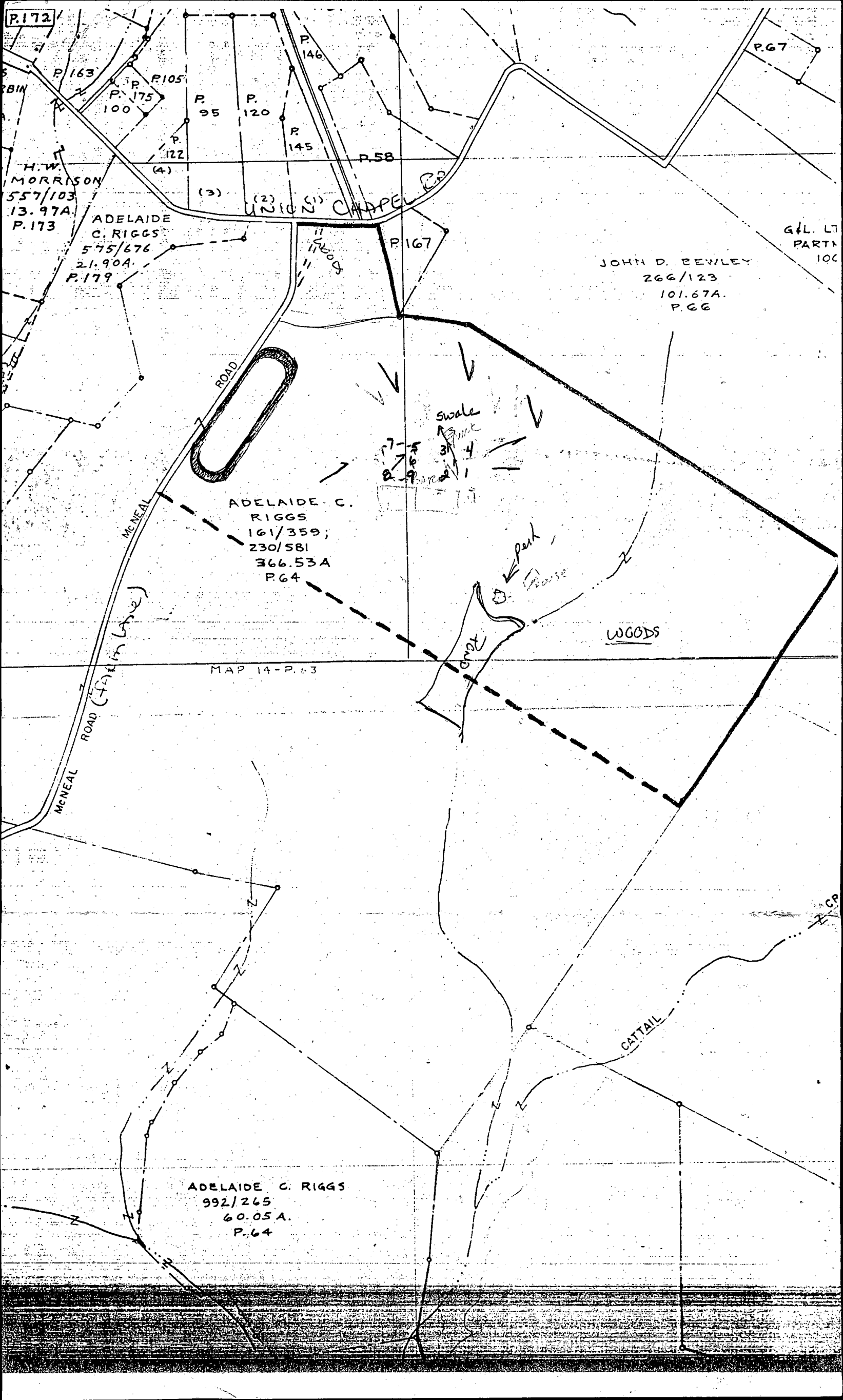
3104 Mc Neal Rd  
HEAL  
Mrs. Augustus Riggs  
Glenwood Md



170 AC± OUT OF 266 AC±  
TO BE DETERMINED BY FIELD  
SURVEY.

SCALE 1" = 200'

TAKEN FROM TOPOGRAPHIC MAP  
HOWARD COUNTY SHEET GC-0119-T-33-31 (1985)



P.172

P.67

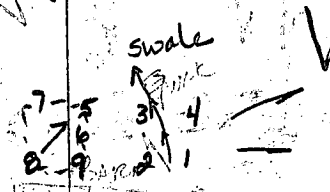
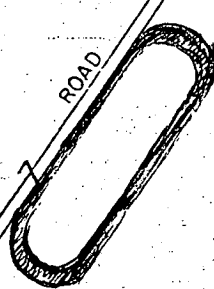
H.W. MORRISON  
557/103  
13.97A  
P.173

ADELAIDE  
C. RIGGS  
575/676  
21.90A  
P.179

UNION CHAPEL RD

JOHN D. BEWLEY  
266/123  
101.67A  
P.66

G.L. LT  
PART  
100



ADELAIDE C.  
RIGGS  
161/359;  
230/581  
366.53A  
P.64

park  
house

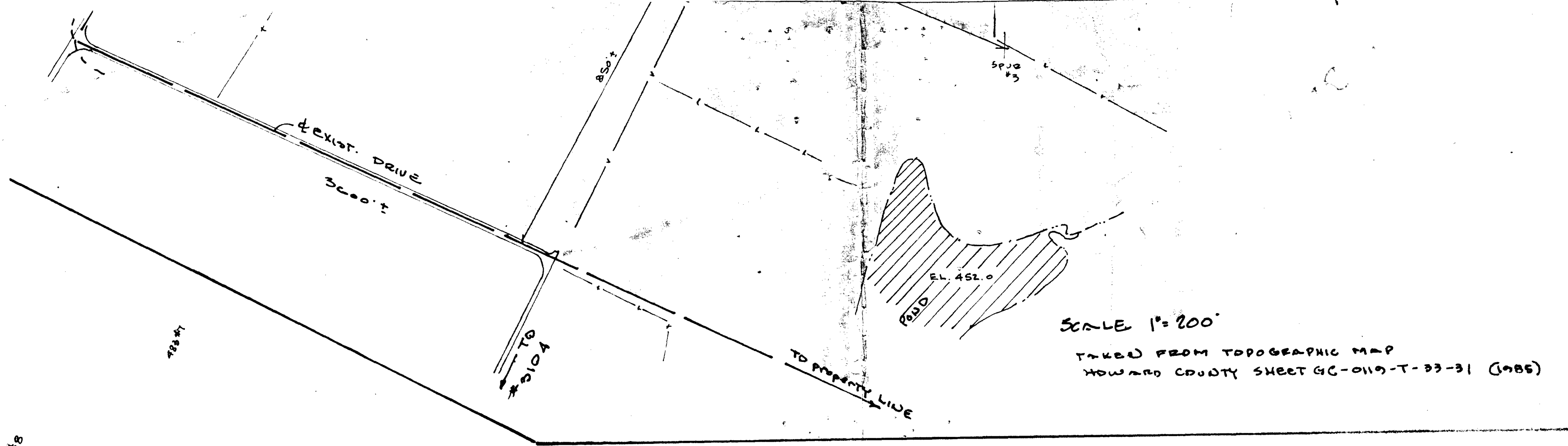
WOODS

MAP 14-P.63

McNEAL ROAD (4-lane)

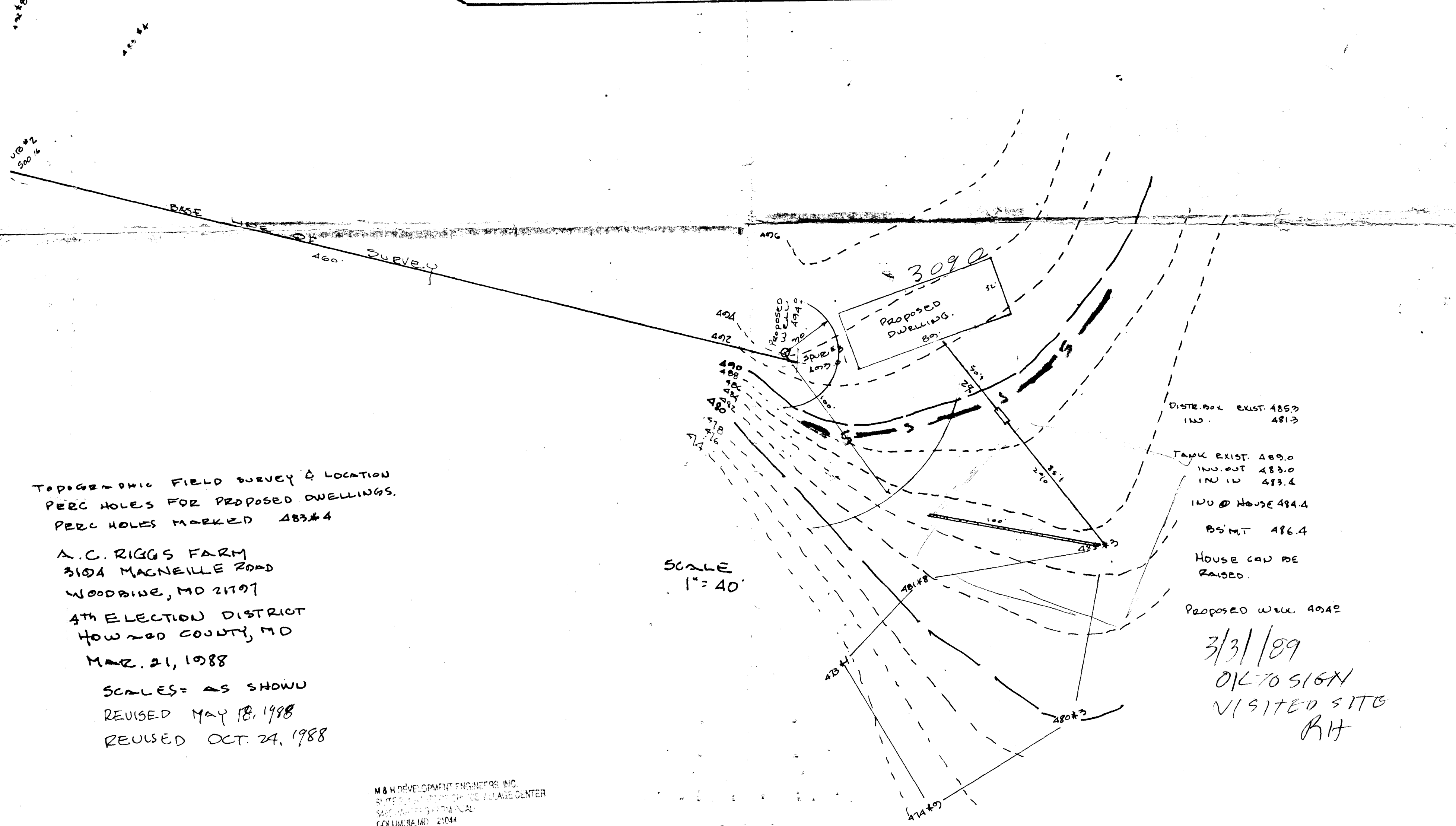
CATTAIL

ADELAIDE C. RIGGS  
992/265  
60.05A  
P.64



SCALE 1" = 200'

TAKEN FROM TOPOGRAPHIC MAP  
HOWARD COUNTY SHEET GC-0119-T-33-31 (1985)



SCALE 1" = 40'

TOPOGRAPHIC FIELD SURVEY & LOCATION  
PERC HOLES FOR PROPOSED DWELLINGS.  
PERC HOLES MARKED 483#4

A.C. RIGGS FARM  
3104 MAGNOLIA ROAD  
WOODBINE, MD 21797  
4TH ELECTION DISTRICT  
HOWARD COUNTY, MD  
MAR. 21, 1988

SCALE = AS SHOWN  
REVISED MAY 18, 1988  
REVISED OCT. 24, 1988

DISTR. POOL EXIST. 485.0  
INW. 481.0

TANK EXIST. 489.0  
INW. OUT 483.0  
INW. IN 483.4

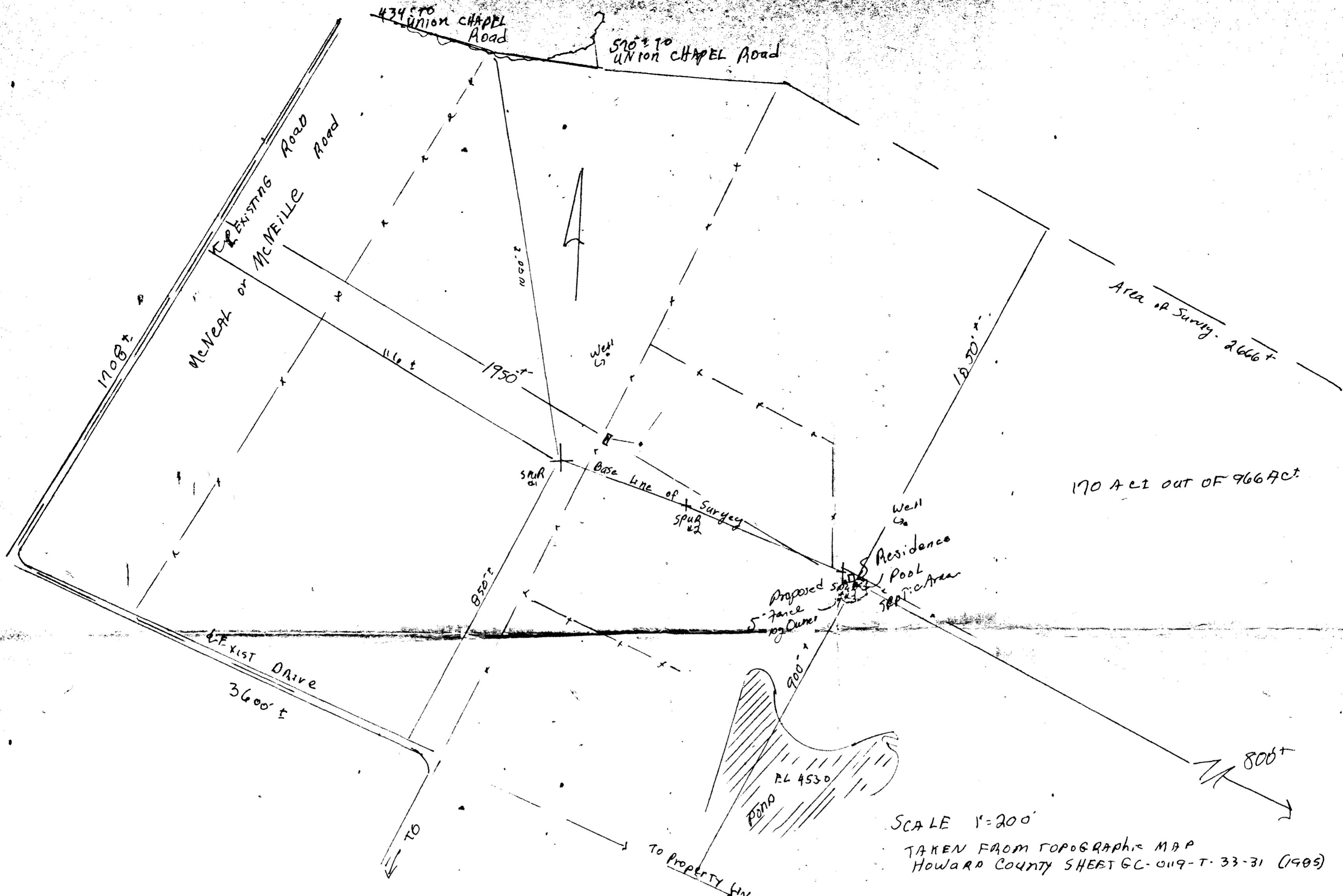
INW @ HOUSE 484.4

BS'MT 486.4

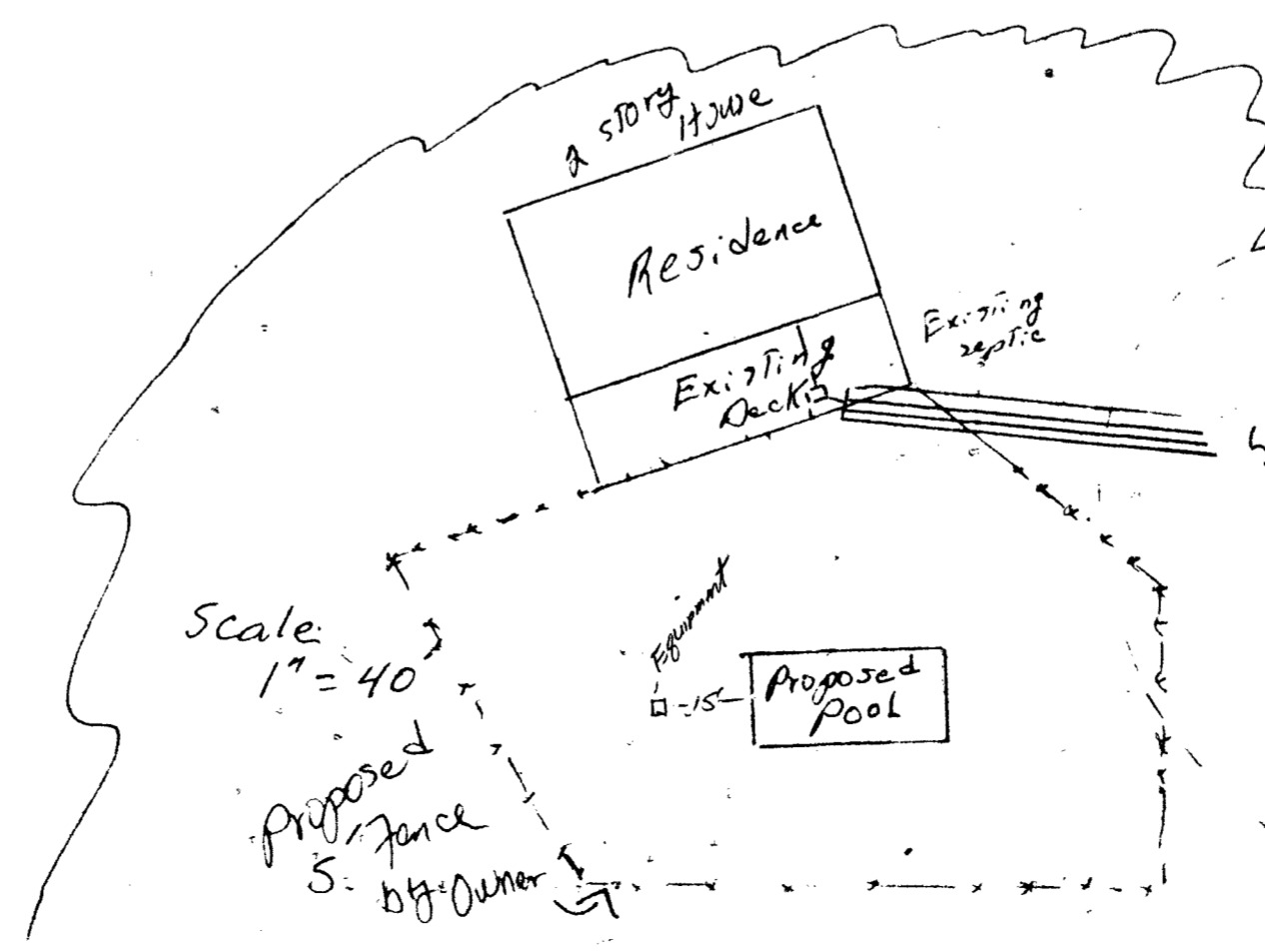
HOUSE CAN BE  
RAISED.

PROPOSED WELL 404E

3/31/89  
OK TO SIGN  
VISITED SITE  
RH

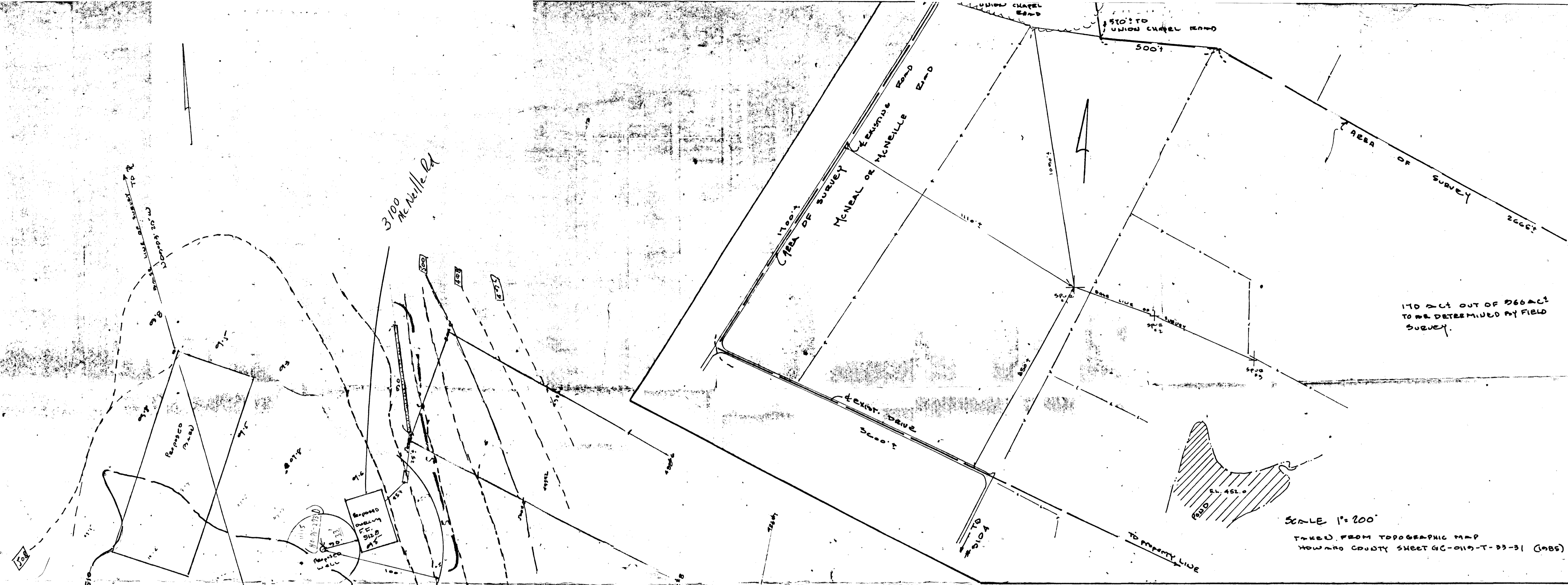


A. C. RIGGS FARM  
 3104 MACNEILLE ROAD  
 WOODBINE, M.O 21797  
 4<sup>th</sup> ELECTION DISTRICT  
 HOWARD COUNTY, M.O



SCALE: 1/8" = 1'0"

DIRECTIONS:	CONTRACT DATE:
	DWN. BY:
	DATE:
	OK'D BY:
BUYER: TO DETERMINE APPROXIMATE ELEVATION OF POOL ON DAY OF EXCAVATION.	
BUYER: TO WET DOWN CONCRETE SHELL AT LEAST TWICE DAILY FOR SEVEN DAYS	DATE:



SCALE 1"=200'  
 TAKEN FROM TOPOGRAPHIC MAP  
 HOWARD COUNTY SHEET GC-019-T-23-31 (1985)

DIST. P.O. EXIST. ELEV. 504.9  
 INV. 500.9

TANK EXIST. E.L. 506.0  
 INV. OUT 501.4  
 INV. IN 501.8  
 INV. @ HOUSE 502.3

Proposed WELL 510.2

BS' MT 504.3  
 FF 512.8

6-1-88  
 elevation of  
 saddle

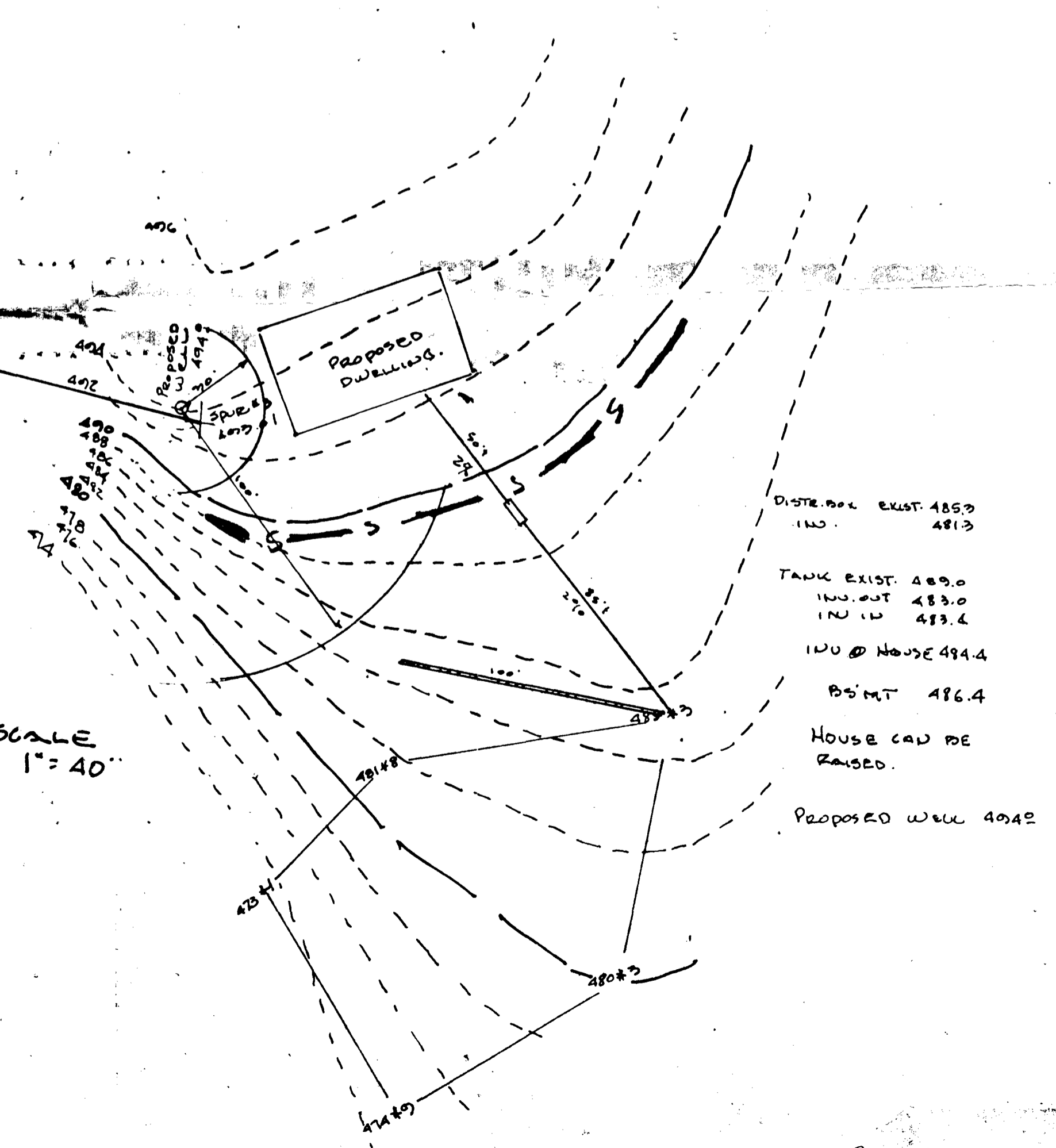
BLDG. PERMIT SIGNED  
 AND RETURNED 6-1-88  
 BP 18795  
 SOW

SCALE 1"=40'

TOPOGRAPHIC FIELD SURVEY & LOCATION  
 PERC HOLES FOR PROPOSED DWELLINGS.  
 PERC HOLES MARKED 483&4

A.C. RIGGS FARM  
 3104 McNEILLE ROAD  
 WOODBINE, MD 21107  
 4TH ELECTION DISTRICT  
 HOWARD COUNTY, MD  
 MAR. 21, 1988  
 SCALES AS SHOWN  
 REVISED MAY 18, 1988

SCALE 1"=40'



DIST. P.O. EXIST. 485.9  
 INV. 481.3

TANK EXIST. 489.0  
 INV. OUT 483.0  
 INV. IN 483.4  
 INV. @ HOUSE 494.4

BS' MT 486.4

HOUSE CAN BE  
 RAISED.

Proposed Well 494.2