

4-5-89
4-6-89
Am ASD

File

PERMIT

SEWAGE DISPOSAL SYSTEM

MARYLAND STATE DEPARTMENT OF HEALTH

P 43934

A 30299

DISTRICT 4th

HOWARD COUNTY
BUREAU OF ENVIRONMENTAL HEALTH
461-9933

INDEXED

DATE 4/3/89

DATE SYSTEM APPROVED 4/6/89

INSPECTOR C.B.D.

04-347978

Dave Hopkins

IS PERMITTED TO INSTALL ALTER

ADDRESS 17550 Old Frederick Road, Mt. Airy, Maryland 21771 PHONE 831-7257

SUBDIVISION Ricker Property ROAD 13894 Forsythe Road LOT 2

PROPERTY OWNER ~~Michael James~~ John & Andrea Mooney

ADDRESS 9832 Lyond Ave. Laurel Md. 20723

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

GARBAGE GRINDER? YES NO

SEPTIC TANK CAPACITY 1250 GALLONS NUMBER OF BEDROOMS 4

TRENCHES - 200 sq. ft. per bedroom. Trench to be 2 feet wide. Inlet 3 feet below original grade. Bottom maximum depth 8 feet below original grade. Effective area begins at 3 feet below original grade. 5 feet of stone below distribution pipe.

LOCATION - Start the first trench 150 feet from the front lot line and 110 feet from the left lot line as seen when facing the property from Forsythe Road. Run trench(s) along contour toward left lot line.

NOTE - No trench to exceed 100 feet in length. Provide 6" - 8" diameter cleanout and cap to grade or above on septic tank. *0/6*

PLANS APPROVED BY C. Williams DATE 7/20/88

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

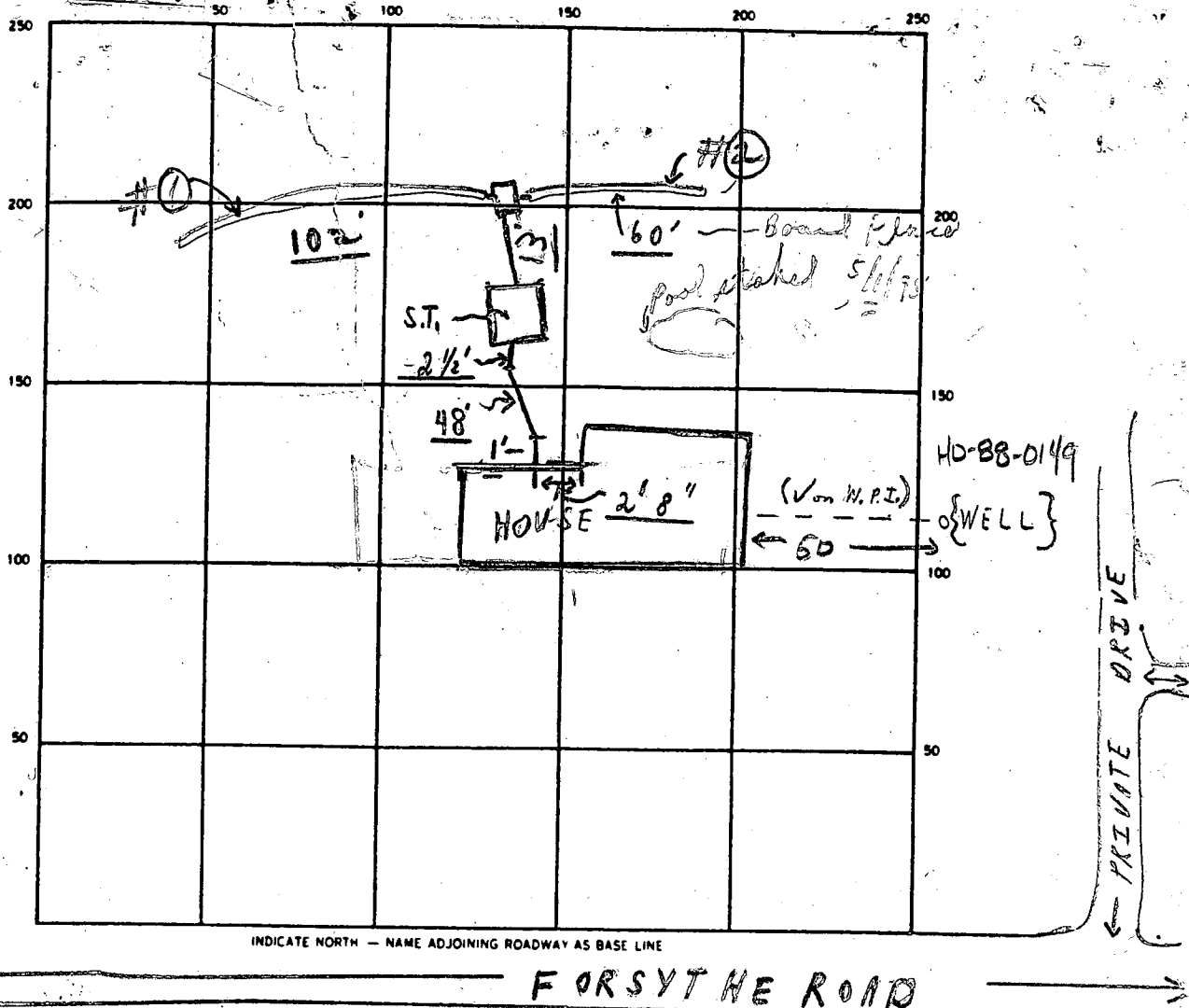
BLDG. PERMIT SIGNED AND RETURNED 5/1/89

Serial # 58877 - In ground pool.

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

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

A 302994



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE

FORSYTHE ROAD

SEPTIC TANK LEVEL 1250 - OK CLEANOUTS S.T. OK 4/6
 DISTRIBUTION BOX LEVEL 26" OK (Baffle in) 4/6
 DRAIN FIELD/TILE FIELD DEPTH 7" FT. TRENCH WIDTH 2' FT. INLET DEPTH 3' FT.
 EFFECTIVE GRAVEL DEPTH 5 1/2' avg. FT. TOTAL LENGTH 102' 60' 162' FT.
 NUMBER OF TRENCHES 2 ONE SIDEWALL/AREA 4/6 891' SO FT.
 DRYWELL INSIDE DIAMETER FT EFFECTIVE DEPTH BELOW INLET FT.
 ABSORBENT AREA 891' + SO FT.

REMARKS 4/5/89 - 100 AM NOT READY R/A 4/5/89 LOCATION OK
TRENCH #1 & #2 DUG TANK SET, ADD STONE R/H
4/6/89 TRENCHES COMPLETED #1 102' IN LENGTH, #2 TRENCH
60' IN LENGTH AND COVERED WITH PAPER, OK TO COVER
ALL WORK - FINAL.

DATE SYSTEM APPROVED 4/6/89 INSPECTOR Charles Bryan Streaker

APPLICATION

SEWAGE DISPOSAL TESTING

A 30229

STATE OF MARYLAND - DEPARTMENT OF HEALTH AND MENTAL HYGIENE

P _____

HOWARD COUNTY HEALTH DEPARTMENT
ENVIRONMENTAL HEALTH SERVICES

P.O. BOX 476 ELLICOTT, MARYLAND 21043
TELEPHONE: 992-2330

INITIAL SYSTEM
INLET MAX. 3'
TOTAL DEPTH 8' max. high system

DISTRICT 4th.

SECONDARY SYSTEM
INLET MAX. 3 1/2'
BOTTOM DEPTH MAX. 5'

DATE 10/1/79

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 Lawrence Ricker Michael James

ADDRESS 13890 Forsythe Road, Sykesville, Md. PHONE 489-7364

PROPERTY LOCATION:

SUBDIVISION _____ LOT NO. NEW LOT 2

ROAD AND DESCRIPTION 13890 Forsythe Road front part of lot

SIZE OF LOT _____ TYPE BLDG. 3 Bedrooms

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.

SIGNATURE OF APPLICANT Mr. & Mrs. Lawrence N. Ricker Jr. 10-1-79

APPROVED BY Sidy Abel FOR Deep trenches DATE 9-16-88

REJECTED BY _____ FOR _____ BLDG. PERMIT SIGNED _____

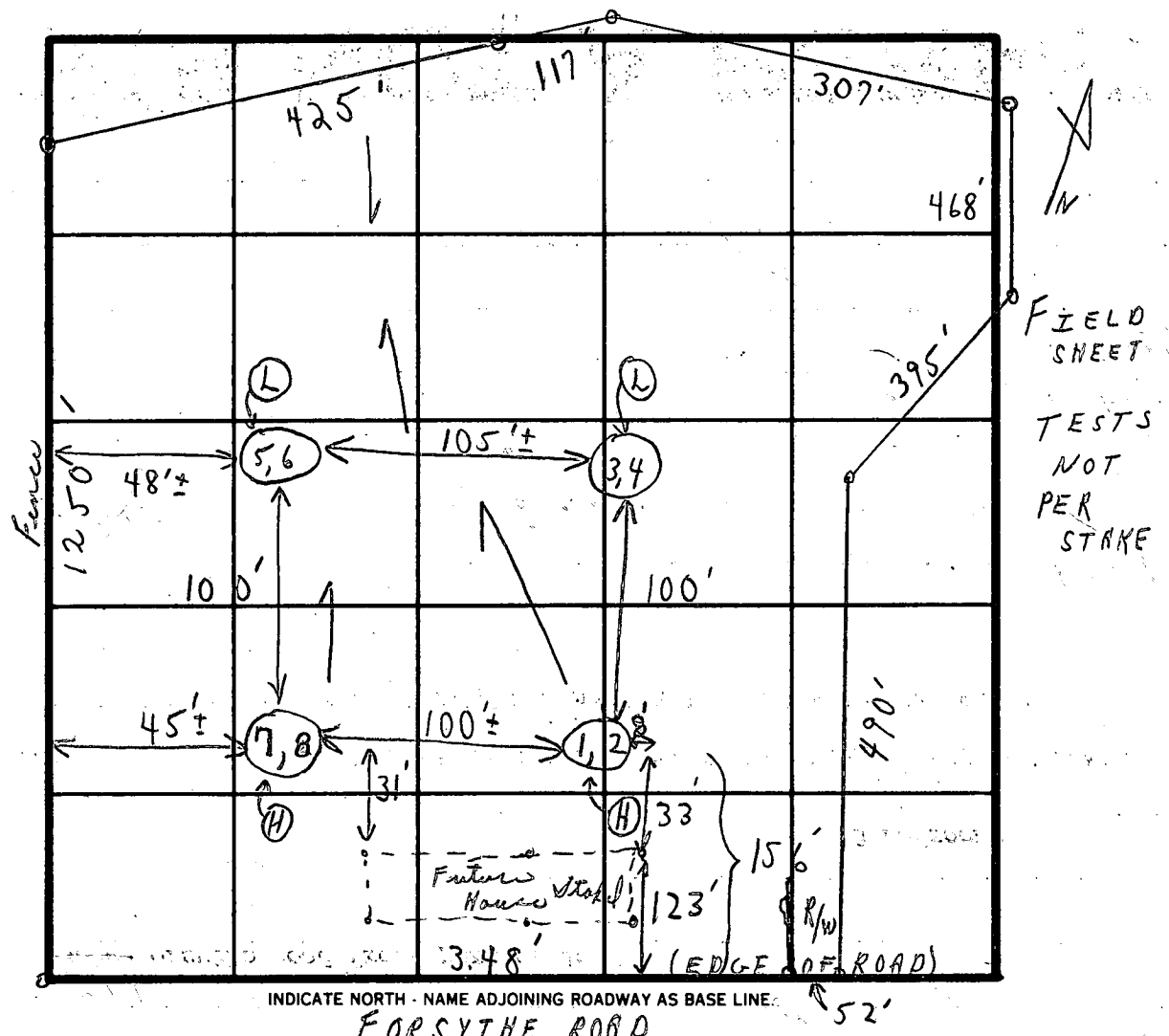
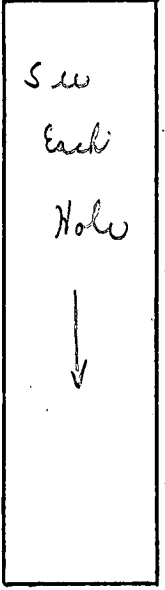
HOLD PENDING FURTHER TESTS _____ DATE 9-16-88

REASONS FOR REJECTION OR HOLDING 10/8/79 Hold on ... BP 21405 S.O.L.

10/8/79 P.M. Discussed with
Ms. Monaghan satisfactory for deep system in
high hole and modified shallow system in lower hole
for repair. C.B.J. 10/8/79 send memo

THIS IS NOT A PERMIT

SOIL PROFILE



SOIL PROFILE

1'-3' CLAY

LOAM

3'-13'

1'-4' CLAY

4'-12 1/2' LOAM

1'-3 1/2' CLAY

3 1/2'-11 1/2' LOAM

1'-4 1/2' CLAY

4'-12 1/2' LOAM

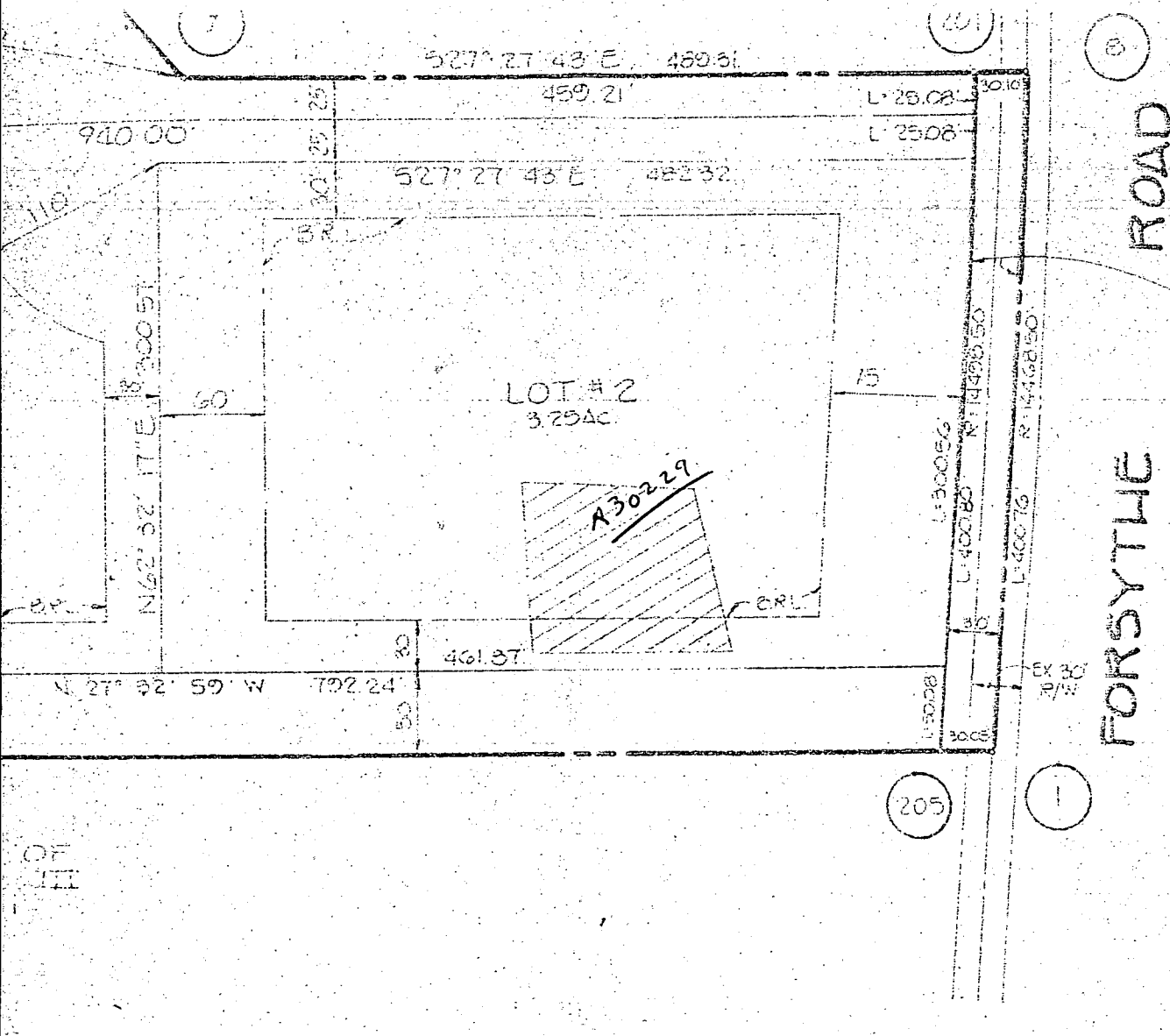
DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
10/8/79	1	3'	9:48	9:52	9:52	9:58	6
	Ⓜ 2	13'	9:48	9:55	9:55	10:13	18
	3	4'	10:21	10:27	10:27	10:39	12
	Ⓛ 4	12 1/2'	10:18	10:20	10:20	10:22	2 min
	5	3 1/2'	10:53	11:05	11:05	11:22	17
	Ⓛ 6 A	12 1/2'	10:51	11:11	11:11	11:43	3/4" (DAMP) SOIL
	7	12 1/2'	Visual similar to (1,2)				
	8						
	6 B	11 1/2'	11:58	12:12	12:12	12:38	3/4" (DAMP) SOIL
	6 C	8'	1:00	1:08	1:08	1:22	14

REMARKS: Tests in open field. Hold (1) for certified holes. Copy given Mr. Hendrix. Hole (5+6) 2'± lower than (7,8).

TESTED BY: C. B. [Signature]

ALSO PRESENT: P. LENDRIM

3	0.01 AC	0.01 AC	0.01 AC
4	6.04 AC	0.26 AC	5.78 AC



LAND DEDICATED TO
HOWARD COUNTY, MARYLAND
FOR THE PURPOSE OF
A PUBLIC ROAD

F 88 197

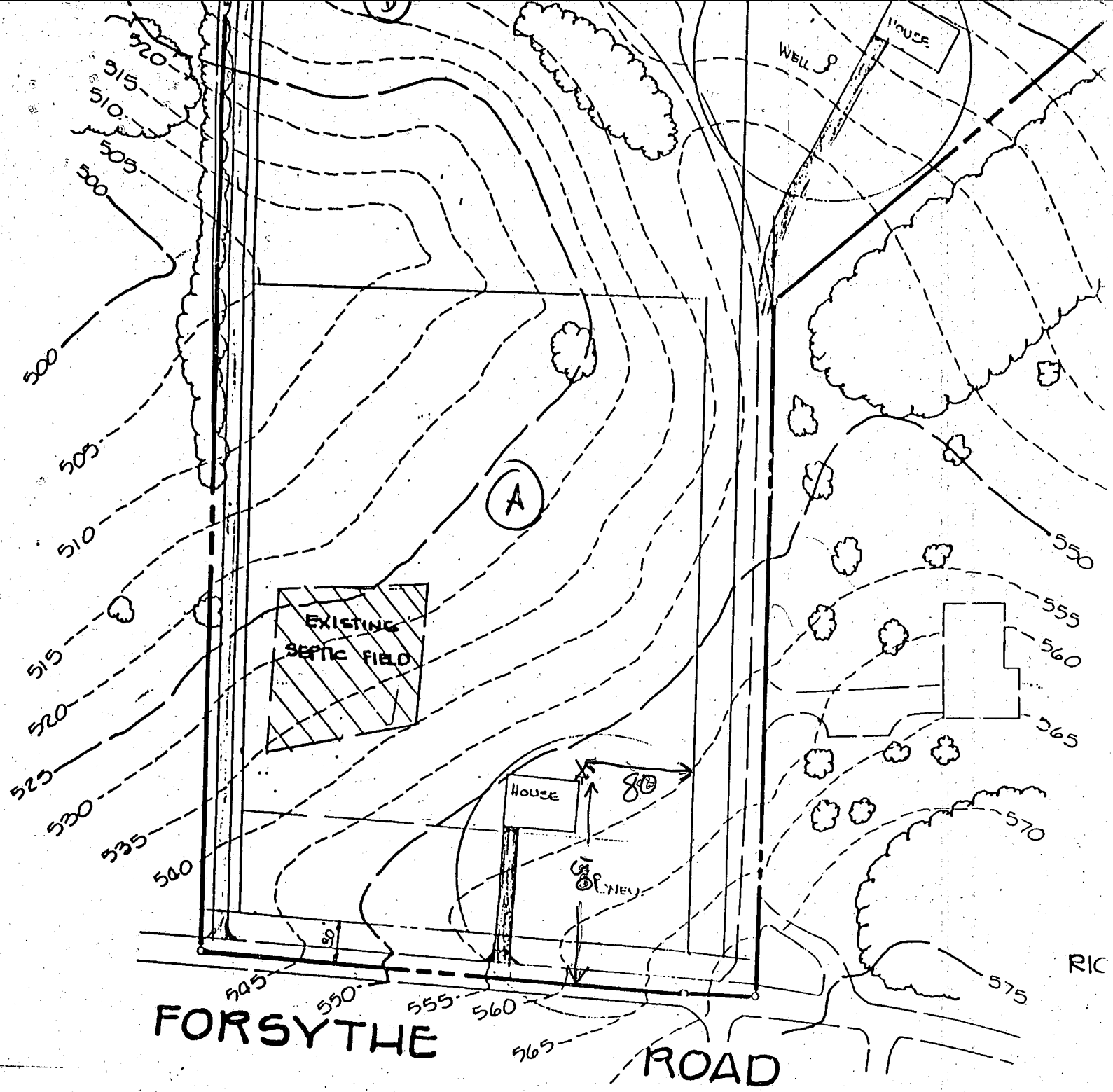
TRACY, SCHULTE & ASSOCIATES, INC.
8480 BALTIMORE NATIONAL PIKE, SUITE 418
ELLCOTT CITY, MARYLAND 21043
(301) 465-6105

OWNER'S DEDICATION

N. RICKER JR. AND BARBARA J. RICKER, OWNERS OF THE PROPERTY SHOWN AND DESCRIBED ADOPT THIS PLAN OF SUBDIVISION, AND IN CONSIDERATION OF THE APPROVAL OF THIS PLAN BY THE OFFICE OF PLANNING AND ZONING, ESTABLISH THE MINIMUM BUILDING RESTRICTION TO BE APPLIED TO ANY LOT UNTO HOWARD COUNTY, MARYLAND, ITS SUCCESSORS AND ASSIGNS, (1) THE RIGHT TO CONSTRUCT AND MAINTAIN SEWERS, GRAINS, WATER PIPES, AND OTHER MUNICIPAL UTILITIES AND EASEMENTS UNDER ALL ROADS AND STREETS RIGHT-OF-WAYS AND THE SPECIFIC EASEMENT AREAS AND (2) THE RIGHT TO REQUIRE DEDICATION FOR PUBLIC USE THE BEDS OF THE STREETS AND FLOODPLAIN AND OPEN SPACE WHERE APPLICABLE, AND FOR GOOD AND OTHER VALUABLE PURPOSES. I HEREBY GRANT THE RIGHT AND OPTION TO HOWARD COUNTY TO ACQUIRE THE FEE SIMPLE INTEREST IN THE BEDS OF THE STREETS AND/OR ROADS AND FLOODPLAINS, STORM DRAINAGE FACILITIES AND EASEMENTS WHERE APPLICABLE; (3) THE RIGHT TO REQUIRE DEDICATION OF WATERWAYS AND DRAINAGE FACILITIES FOR THE SPECIFIC PURPOSE OF THEIR CONSTRUCTION, REPAIR AND MAINTENANCE; AND (4) THAT ANY OTHER SIMILAR STRUCTURE OF ANY KIND SHALL BE ERRECTED ON OR OVER THE SAID EASEMENTS.

RECORDED AS PLAT # 7894
ON 15 JUNE 88 AMONG THE LAND
RECORDS OF HOWARD COUNTY, MARYLAND.

SIGNED _____ FILE COPY
RICKER PROPERTY
LOTS 1-4



ACTUAL LOC. OF WELL
STAKE

8-29-88

B 1 1332

SEQUENCE NO. (BP USE ONLY)

STATE OF MARYLAND PERMIT TO DRILL WELL

STATE PERMIT NUMBER

40-88-0149

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

please print or type

fill in this form completely

Date Received (APA)

082288

OWNER INFORMATION

JAMES D. MICHNER

933 RLYON HWY

LAUREL MD 20707

B 3

LOCATION OF WELL

HOWARD

RICKER PROPERTY

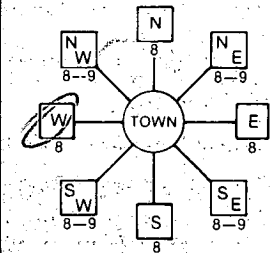
SECTION 44 LOT 2

SVK SVK

MILES FROM TOWN (enter 0 if in town) 2 1/2 MI

B 4

DIRECTION OF WELL FROM TOWN (CIRCLE BOX)



Forsythe Road

ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX)



DISTANCE FROM ROAD ENTER FT or MI 150 FT

B 2

WELL INFORMATION

APPROX. PUMPING RATE (GAL. PER MIN.) 5

AVERAGE DAILY QUANTITY NEEDED (GAL. PER DAY) 500

USE FOR WATER (CIRCLE APPROPRIATE BOX)

- Home (single or double household unit only)
Farming (livestock watering & agricultural irrigation)
Industrial, commercial, state and federal gov. other (requires appropriation permit)
Public or private water company (requires appropriation permit and state health department approval)
Test, observation, monitoring (may require appropriation permit)

NOT TO BE FILLED IN BY DRILLER HEALTH DEPARTMENT APPROVAL

HOWARD

A 30229

COUNTY NAME COUNTY NO.

STATE SIGNATURE INSERT S

DATE ISSUED 083089 Charles Lynn Strickland 3/2/89

NORTH GRID 553000 EAST GRID 0803000

APPROXIMATE DEPTH OF WELL 250 FEET

APPROXIMATE DIAMETER OF WELL 6 INCH

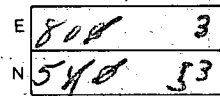
METHOD OF DRILLING (circle one)

- Bored (or Augered)
Jetted
Jetted & Driven
AIR-ROTary
AIR-PERcussion
ROTARY (Hydraulic Rotary)
CABLE
REVerse-ROTary
DRive-POINT
other

SHOW MAJOR FEATURES OF BOX & LOCATE WELL WITH AN X

- SOURCES OF DRILLING WATER
1. WELL
2.
3.

WRITE THE BOX NUMBER FROM THE MAP HERE

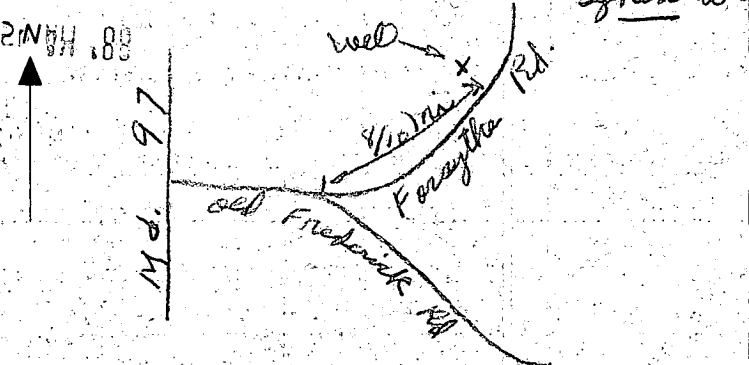


9/12/88 WELL GROUT OR SEE OTHER SIDE RH

REPLACEMENT OR DEEPEMED 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 deepen an existing well

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

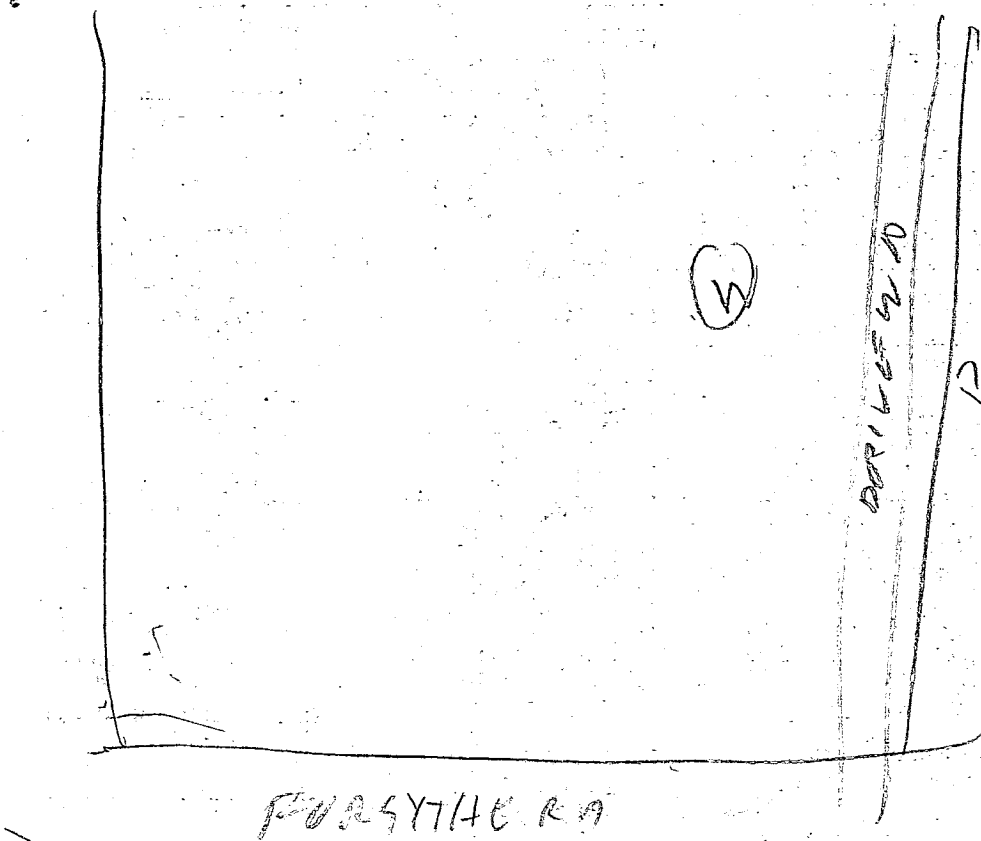


Not to be filled in by driller (OEP USE ONLY)

APPROP. PERMIT NUMBER GAP

FORCE INITIALS PERMIT No. 40-88-0149

SPECIAL CONDITIONS



9/12/88

- ① 84 FT casing
- ② 36 FT open hole
- ③ LOCATION O/K
- ④ 14 BAGS
- ⑤ WELL O/K

RECEIVED
 HOWARD COUNTY
 HEALTH DEPT
 SEP 18 9 54 AM '88
 HEALTH DEPT
 HOWARD COUNTY

C1 0684 SEQUENCE NO. (DENV USE ONLY)
 1 2 3 4 5 6
 (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 = 30229**

DATE Received _____ DATE WELL COMPLETED **09/12/88** Depth of Well **225** (TO NEAREST FOOT)
 8 13 15 20 22 26 28 29 30 31 32 33 34 35 36 37

PERMIT NO. FROM "PERMIT TO DRILL WELL" **40-08-0149**

OWNER **JAMES D. MICHAEL** last name first name
 STREET OR RFD **FOURTH ROAD** TOWN **SYKESVILLE**
 SUBDIVISION **RICKER PROPERTY SECTION** LOT **2**

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		Check if water bearing
	FROM	TO	
<i>Shale</i>	0	76	
<i>gray, mica rock</i>	76	225	

GROUTING RECORD yes no
 WELL HAS BEEN GROUTED (Circle Appropriate Box)
 TYPE OF GROUTING MATERIAL
 CEMENT BENTONITE CLAY
 NO. OF BAGS **14** NO. OF POUNDS **126**
 GALLONS OF WATER **54**
 DEPTH OF GROUT SEAL (to nearest foot)
 from **1** ft. to **3** ft.
 (enter 0 if from surface)

CASING RECORD
 casing types insert appropriate code below

 STEEL CONCRETE

 PLASTIC OTHER
 MAIN CASING TYPE Nominal diameter top (main) casing (nearest inch) Total depth of main casing (nearest foot)

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

SCREEN RECORD
 screen type or open hole insert appropriate code below

 STEEL BRASS OPEN HOLE

 PLASTIC OTHER

C2

EACH SCREEN	DEPTH (nearest ft.)	
	1	2
1	80	225
2		
3		

SLOT SIZE 1 _____ 2 _____ 3 _____
 DIAMETER OF SCREEN _____ (NEAREST INCH)

C3

PUMPING TEST
 HOURS PUMPED (nearest hour) **3**
 PUMPING RATE (gal. per min. to nearest gal.) **72**
 METHOD USED TO MEASURE PUMPING RATE **Bucket**
 WATER LEVEL (distance from land surface) BEFORE PUMPING **49** WHEN PUMPING **125**
 TYPE OF PUMP USED (for test)
 air piston turbine
 centrifugal rotary other (describe below)
 jet 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)
 above } LAND SURFACE **2** (nearest foot)
 below }

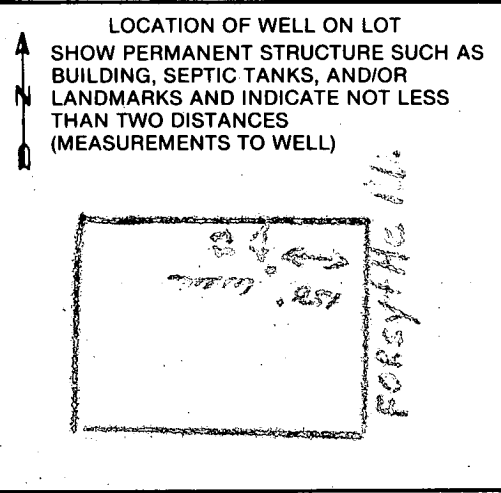
CIRCLE APPROPRIATE LETTER
 A A WELL WAS ABANDONED AND SEALED WHEN THIS WELL WAS COMPLETED
 E ELECTRIC LOG OBTAINED
 P TEST WELL CONVERTED TO PRODUCTION WELL

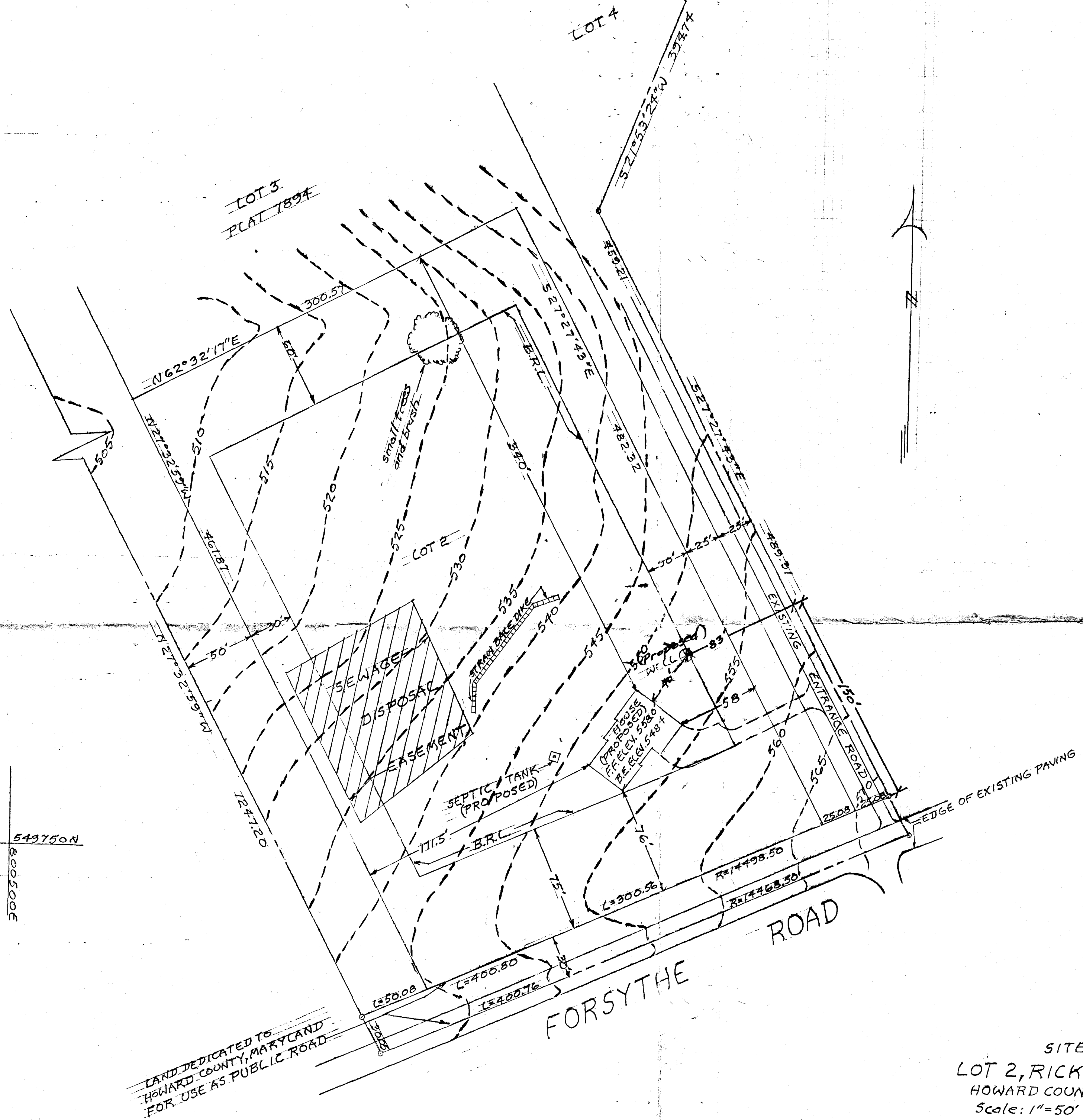
I HEREBY CERTIFY THAT THIS WELL HAS BEEN CONSTRUCTED IN ACCORDANCE WITH COMAR 10.17.13 "WELL CONSTRUCTION" AND IN CONFORMANCE WITH ALL CONDITIONS STATED IN THE ABOVE CAPTIONED PERMIT, AND THAT THE INFORMATION PRESENTED HEREIN IS ACCURATE AND COMPLETE TO THE BEST OF MY KNOWLEDGE.

DRILLERS IDENT. NO. **238**
 DRILLERS SIGNATURE *Joseph E. Morgan*
 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





549750N
800500E

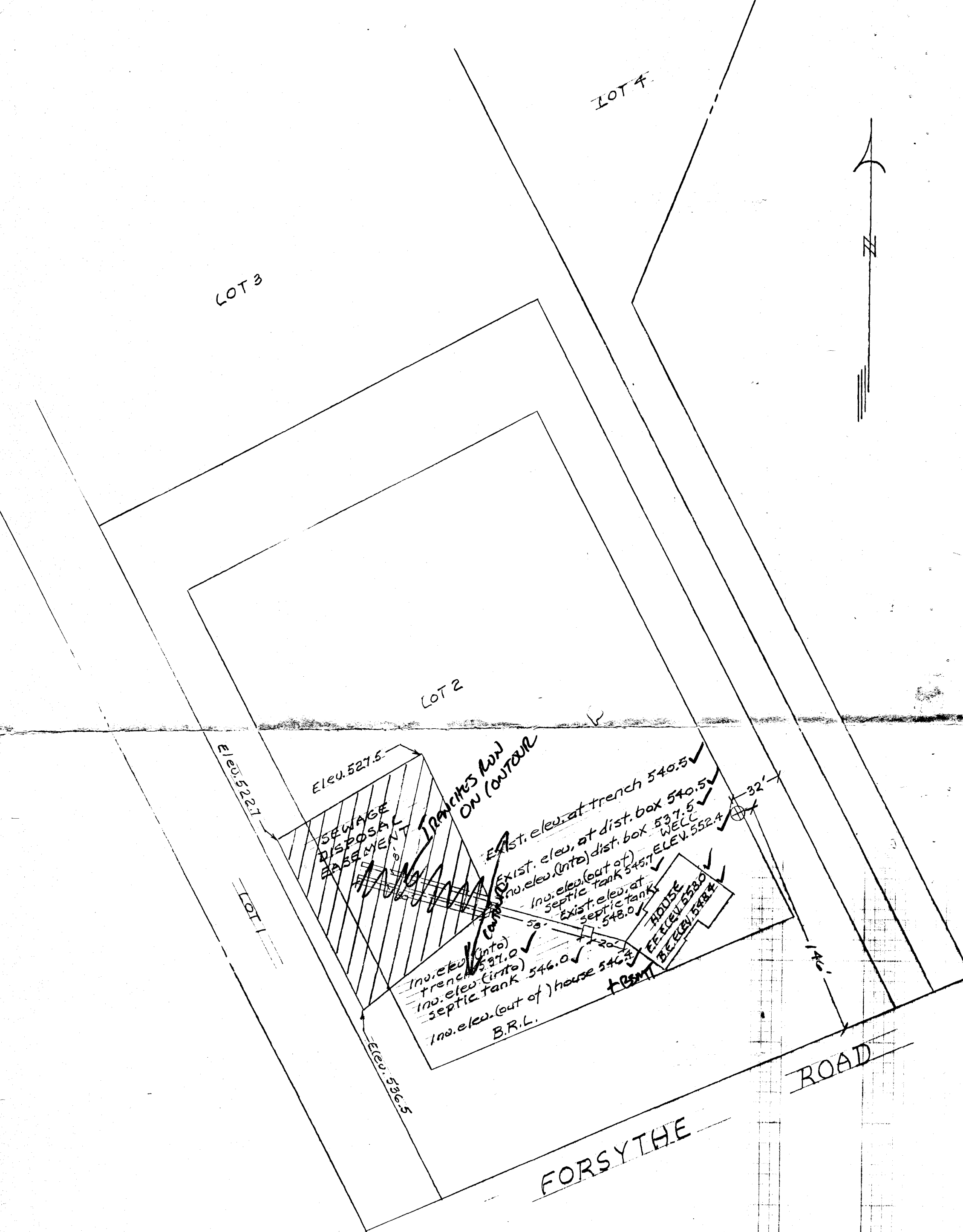
550250N
801200E

549750N
801200E

LAND DEDICATED TO
HOWARD COUNTY, MARYLAND
FOR USE AS PUBLIC ROAD

SITE PLAN
LOT 2, RICKER PROPERTY
HOWARD COUNTY, MARYLAND
Scale: 1"=50' July 27, 1988

801200E



Note:
 Drainfield to be 4" P.V.C. (perforated)
 in trench 2' wide by 8' deep by 80' long
 (2 parallel trenches). Trenches to be
 filled with washed gravel (1"-2" diam.)

BUDG. PERMIT SIGNED
 AND RETURNED 7-16-88
 BP 21405
 SCL

SITE PLAN
 EXISTING WELL AND PROPOSED SEPTIC SYSTEM
 PROPERTY OF MICHAEL D. JAMES
 FOURTH ELECTION DISTRICT
 HOWARD COUNTY, MARYLAND
 SCALE: 1"=50' JULY 28, 1988