

7/21/89  
AM ASFP

# 405297

# PERMIT

P 44617

A 42542

SEWAGE DISPOSAL SYSTEM  
MARYLAND STATE DEPARTMENT OF HEALTH DISTRICT 5th

HOWARD COUNTY  
BUREAU OF ENVIRONMENTAL HEALTH  
461-9933

## INDEXED

DATE 4/28/89

DATE SYSTEM APPROVED 7/21/89

INSPECTOR B. J. Hodley

Jack Fyock IS PERMITTED TO INSTALL  ALTER

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

SUBDIVISION The Chase ROAD 11645 Log Jump Trail LOT 28

PROPERTY OWNER Tony Kim

ADDRESS \_\_\_\_\_

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

GARBAGE GRINDER? YES  NO

SEPTIC TANK CAPACITY 2000 GALLONS NUMBER OF BEDROOMS 4

TRENCHES - 220 sq. ft. per bedroom with garbage disposal. trench to be 3 feet wide. Inlet 4.0 feet below original grade. Bottom maximum depth 5.5 feet below original grade. Effective area begins at 4.0 feet below original grade. 1.5 feet of stone below distribution pipe.

LOCATION - Place the distribution box 180 feet down the right (539.05') lot line and 75 feet off the right lot line as seen when facing the lot from Log Jump Trail. Run trenches on contour toward the front 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. OK/CW

PLANS APPROVED BY Sid Abel DATE 1/06/87

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(IES) ARE USED CALL FOR INSPECTION BEFORE AND AFTER PLACING GRAVEL IN TRENCH(IES)

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

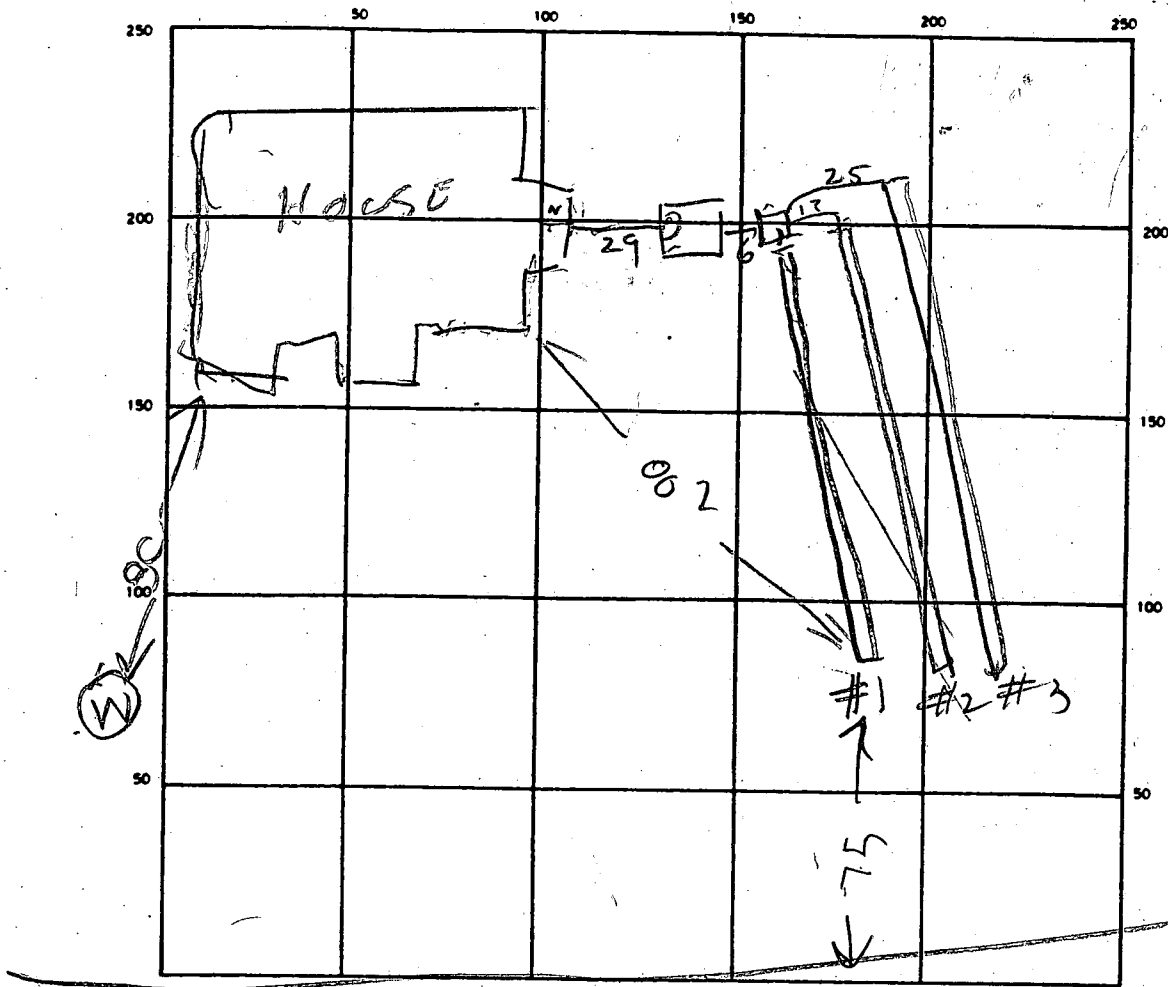
NOTE: INSTALL STAND PIPE ON SEPTIC TANK AND DRY WELL. STAND PIPES MUST BE 6 INCHES IN DIAMETER. CAST IRON, CONCRETE OR TERRA COTTA OR PVC OR ABS ACCEPTED. IF TOP OF SEPTIC TANK IS DEEPER THAN 3 FEET, MANHOLE TO GRADE REQUIRED

NOTE: DISTRIBUTION BOXES MUST HAVE BAFFLES

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

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

A 42542



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE  
 LOG JUMP TRAIL

SEPTIC TANK LEVEL 2000 CLEANOUTS ST O/C

DISTRIBUTION BOX LEVEL \_\_\_\_\_

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

EFFECTIVE GRAVEL DEPTH 1.5 FT. TOTAL LENGTH 100 100 102 FT. 302

NUMBER OF TRENCHES 3 ONE SIDEWALL/BOTTOM AREA 906 (800 REQUIRED) SQ. FT.

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

ABSORBENT AREA \_\_\_\_\_ SQ. FT.

REMARKS 7/21/89 Middle trench covered overnight. SA  
7/21/89 TRENCHES O/C LOCATION O/C

DATE SYSTEM APPROVED 7/21/89 INSPECTOR Raymond G. Hodge

# APPLICATION

9-16-88  
2:00 PM  
15

PERCOLATION TESTING

A 42542  
P \_\_\_\_\_

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

DISTRICT 5  
DATE 9/12/88

TO: THE COUNTY HEALTH OFFICER  
ELLICOTT CITY, MARYLAND

TONY KIM 461-8313

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

PROPERTY OWNER Byron Bldg Inc / 5397 Twin Knolls Rd Suite 13914

ADDRESS Lot 28 / 11645 Log Jump Trail / The Chase / Ellicott City PHONE (740) 4488

PROSPECTIVE BUYER Toni & Michelle Kim

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

PROPERTY LOCATION:

SUBDIVISION The Chase LOT NO. 28

ROAD AND DESCRIPTION 11645 LOG JUMP TRAIL

TAX MAP \_\_\_\_\_ PARCEL # Plat # 7262 Sheet 5 of 7

SIZE OF LOT @ 3 ACRES TYPE BLDG. Single Family  
(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.

Joanne Hogg  
(SIGNATURE OF APPLICANT)

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

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

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

REASONS FOR REJECTION OR HOLDING 9-16-88 The SATISFACTORY - Owned to supply Plot -  
NO Letter Required S. Atal

HD-216

# THIS IS NOT A PERMIT

①  
SOIL PROFILE

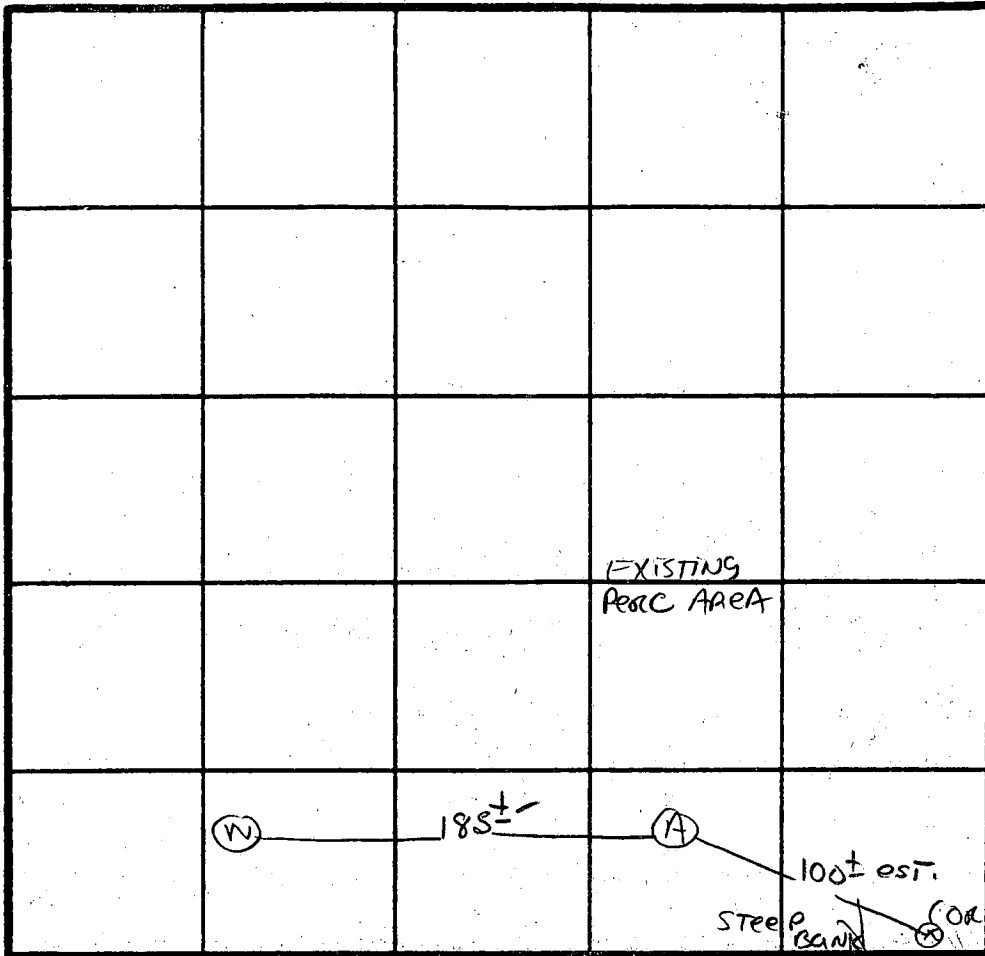
0'  
6.8'

3.5'

14'

Fill  
Yellow Br  
Silty clay  
Loam  
10-20%  
Fraggs

Brown TD  
Yellow Br  
Silt loam  
Large fraggs  
25-30%



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

LOG JUMP TRAIL

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
9/16/88	AV 14	CLAY TO 3.5 FT	see profile				

REMARKS \_\_\_\_\_

TYPE OF SOIL Chosten

TESTED BY S. Abel ALSO PRESENT JDANN

# APPLICATION

PERCOLATION TESTING

A 37023

P \_\_\_\_\_

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

DISTRICT 5

DATE 5/15/86

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 Wayback Corporation TONY Kim 461-8313

ADDRESS P.O. Box 1018, Columbia, MD. 21044 PHONE 997-8800

PROSPECTIVE BUYER NONE

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

PROPERTY LOCATION:  
SUBDIVISION The Chase - formerly The Paddock LOT NO. 25 Prelim + Final  
21 28

ROAD AND DESCRIPTION Homewood Road - 11645 Log Jump Trail

TAX MAP 29 PARCEL # 24

SIZE OF LOT 3 acres TYPE BLDG. S.F.D.  
(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.

(SIGNATURE OF APPLICANT)

APPROVED BY Eicheng Abel FOR Shelley tele feitel DATE 1-8-87

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

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

REASONS FOR REJECTION OR HOLDING 7/15/86 Perc Satisfactory Hold For Subdivision Plot; Shallow Syst. only. S.A.B.A.

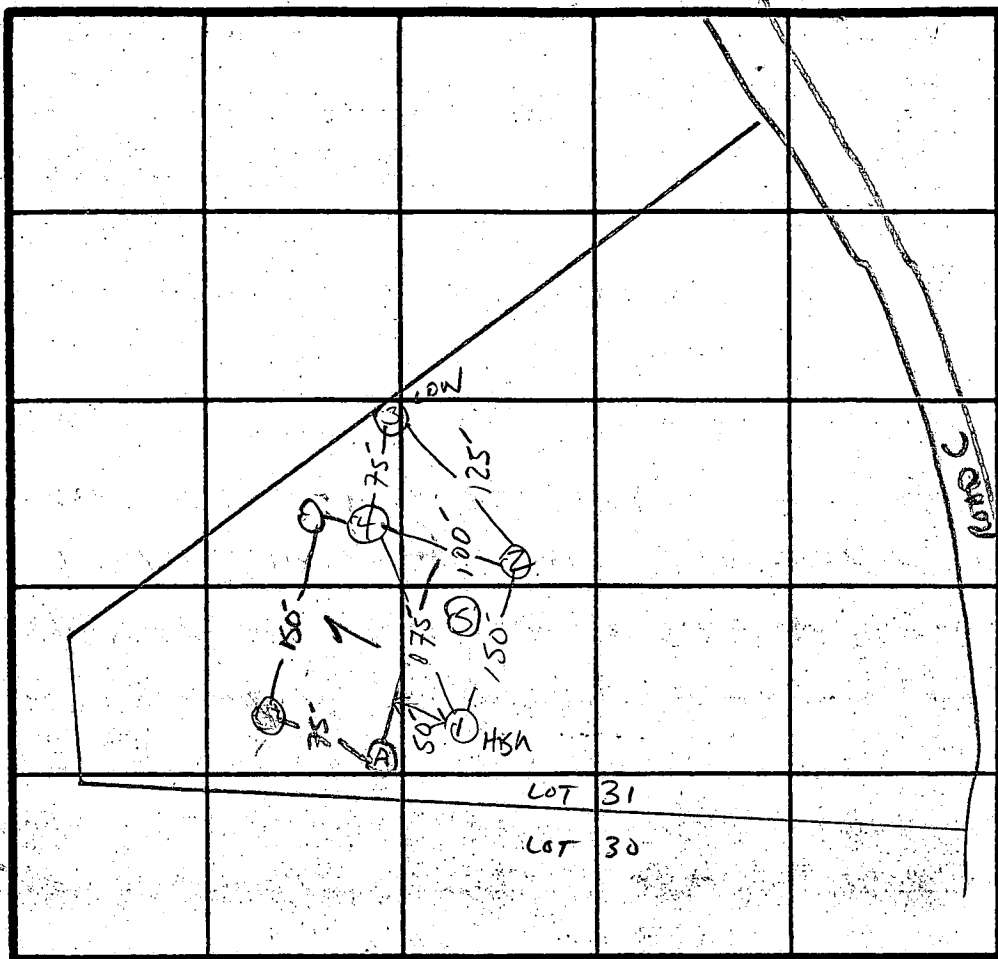
BLDG. PERMIT SIGNED  
AND RETURNED 2-7-89  
BP23441 S.A.B.A.

# THIS IS NOT A PERMIT

SOIL PROFILE

4" A1-3  
 YELLOW BK SAND LOAM  
 40% FRAG.  
 9-12% CLAY

3.5' BROWN SILT LOAM  
 10-15% FRAGMENTS



X PERC  
 6 MIN  
 INLET  
 3.5  
 BOTTOM  
 5.0  
 180φ/BR

INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

↓ Homewood Rd.

SOIL PROFILE

4" A1-3  
 YELLOW BK SLIGHTLY COARSELY SAND LOAM  
 20% FRAGMENTS  
 9% CLAY

3.5' BROWN SILT LOAM  
 4.0' 40% FRAGMENTS

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
7/8/80	1 S	4.5'	10:36	10:37	10:37	10:38	1 min
	1 M	9'	10:39	10:40	10:40	10:41	1 min
	1 V	13'	uniform soil below		4"		
	2 S	4'	10:42	10:44	10:44	10:47	3 min
	2 V	12.5'	uniform below		3.5"		
	3 S	4'	10:46	10:52	10:52	11:05	13 min
	3 V	13'	uniform soil below		35"		
	4 S	4.5'	10:57	10:59	10:59	11:07	8 min
	4 V	12.5'	uniform below		4 FT		
	5 V	14'	uniform soil below		3.5"		
	A-	ROCK AT		8 FT			

REMARKS HOLES DIFF THAN PLAT / SHALLOW SYST. ONLY

TYPE OF SOIL CHESTER / MANOR

S. Abel

MAT, LARRY, DOB, WADE

B 7 9306

SEQUENCE NO. (OEP USE ONLY)

STATE OF MARYLAND PERMIT TO DRILL WELL

please print or type

OEP PERMIT NUMBER

40-81-2256 fill in this form completely

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

Date Received

8 13

OWNER INFORMATION

RYRON BULLIERS

5397 WIM KROLLS RD.

COLUMBIA MD 21045

DRILLER INFORMATION

Joseph L. Wayne 238 77 License No. 80

Joseph L. Wayne Well Drilling

5512 Ridge Rd. Mt. Airy, Md. 21771

Joseph L. Wayne 8/27/87

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)

APPROXIMATE DEPTH OF WELL 300 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

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 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 5A INITIALS IN BOX PERMIT No. 40-81-2256

SPECIAL CONDITIONS

B 3

LOCATION OF WELL

HOWARD 8 COUNTY 21

THE CHASE 23 SUBDIVISION 42

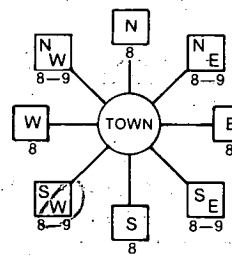
SECTION 44 46 LOT 28 48 50

CLARKSVILLE 52 NEAREST TOWN 71

MILES FROM TOWN (enter 0 if in town) 2 3/4 MI 73 76 77 78

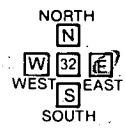
B 4

DIRECTION OF WELL FROM TOWN (CIRCLE BOX)



Jog Jumps trail 11 NEAR WHAT ROAD 30

ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX)



DISTANCE FROM ROAD 30 34 37

ENTER FT or MI FT 38 39

NOT TO BE FILLED IN BY DRILLER HEALTH DEPARTMENT APPROVAL

Howard COUNTY NAME A-37023 COUNTY NO.

OEP SIGNATURE DATE ISSUED 090187

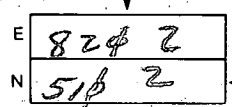
CO SIGNATURE Secretary Obil 03-01-88 EXP. DATE

NORTH GRID 512000 EAST GRID 0822000

SHOW MAJOR FEATURES OF BOX & LOCATE WELL WITH AN X

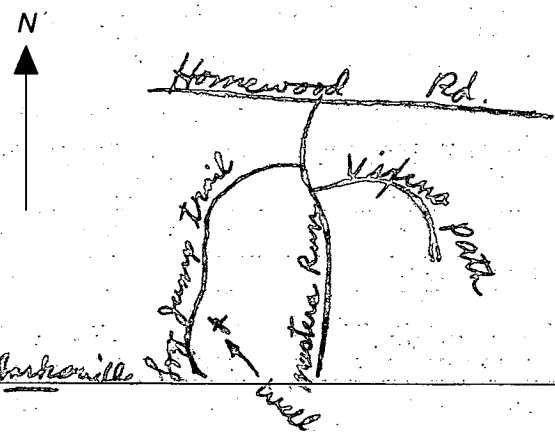
SOURCES OF DRILLING WATER 1. WELL

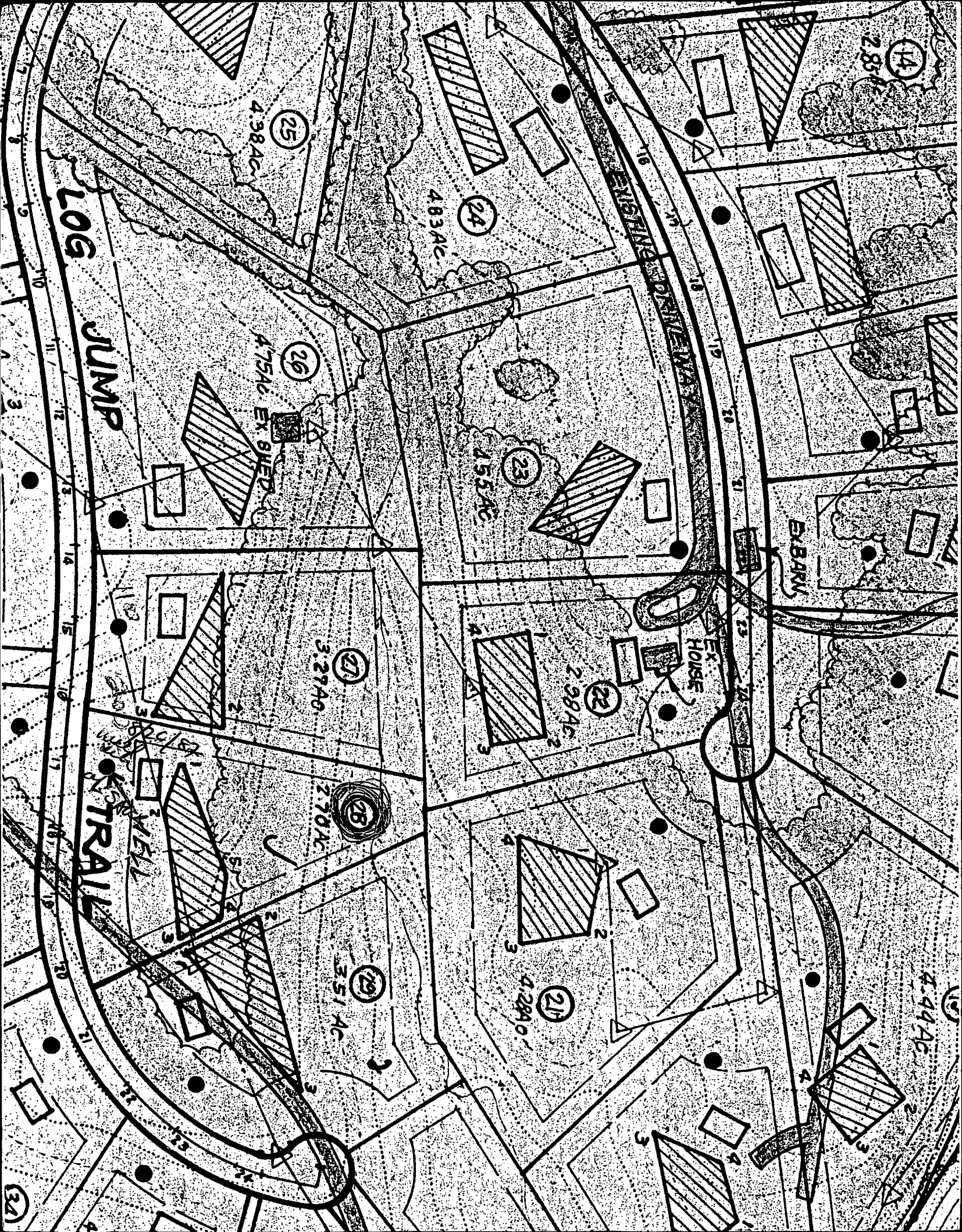
WRITE THE BOX NUMBER FROM THE MAP HERE



Location ok 9-10-87
2 ft above ground
27 ft open hole
7 bags cement
30 ft casing
H2O sample taken at 10:30 JE Madson

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





C1 6059

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-37023

DATE RECEIVED

DATE WELL COMPLETED

DEPTH OF WELL

PERMIT NO. FROM "PERMIT TO DRILL WELL"

DATE RECEIVED grid

DATE WELL COMPLETED grid

DEPTH OF WELL grid

PERMIT NO. grid

OWNER BYRON BUILDERS last name LOG JUMP TRAIL first name TOWN CLARKSVILLE SECTION LOT 28

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 handwritten entries: SAND Stone, COBBLE Mica Rock.

GROUTING RECORD WELL HAS BEEN GROUTED (Circle Appropriate Box) TYPE OF GROUTING MATERIAL CEMENT (CM) BENTONITE CLAY (BC) NO. OF BAGS 7 NO. OF POUNDS 658

CASING RECORD casing types insert appropriate code below STEEL (ST) CONCRETE (CO) PLASTIC (PL) OTHER (OT)

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) from to

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

Table for SCREEN RECORD with columns for depth (nearest ft.) and rows for each screen.

CIRCLE APPROPRIATE LETTER 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 (MUST MATCH SIGNATURE ON APPLICATION)

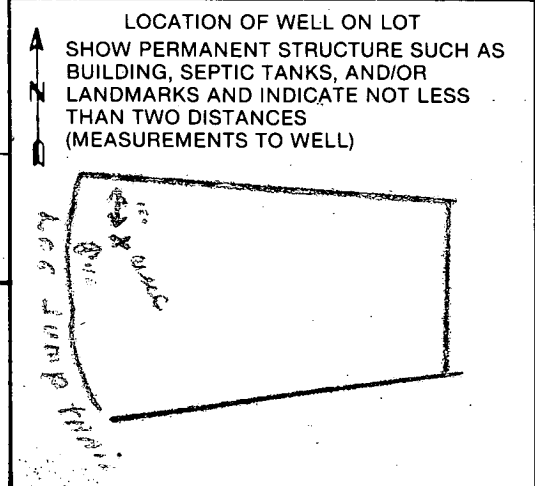
SITE SUPERVISOR (sign. of driller or journeyman responsible for sitework if different from permittee)

GRAVEL PACK from to IF WELL DRILLED WAS FLOWING WELL INSERT F IN BOX 68

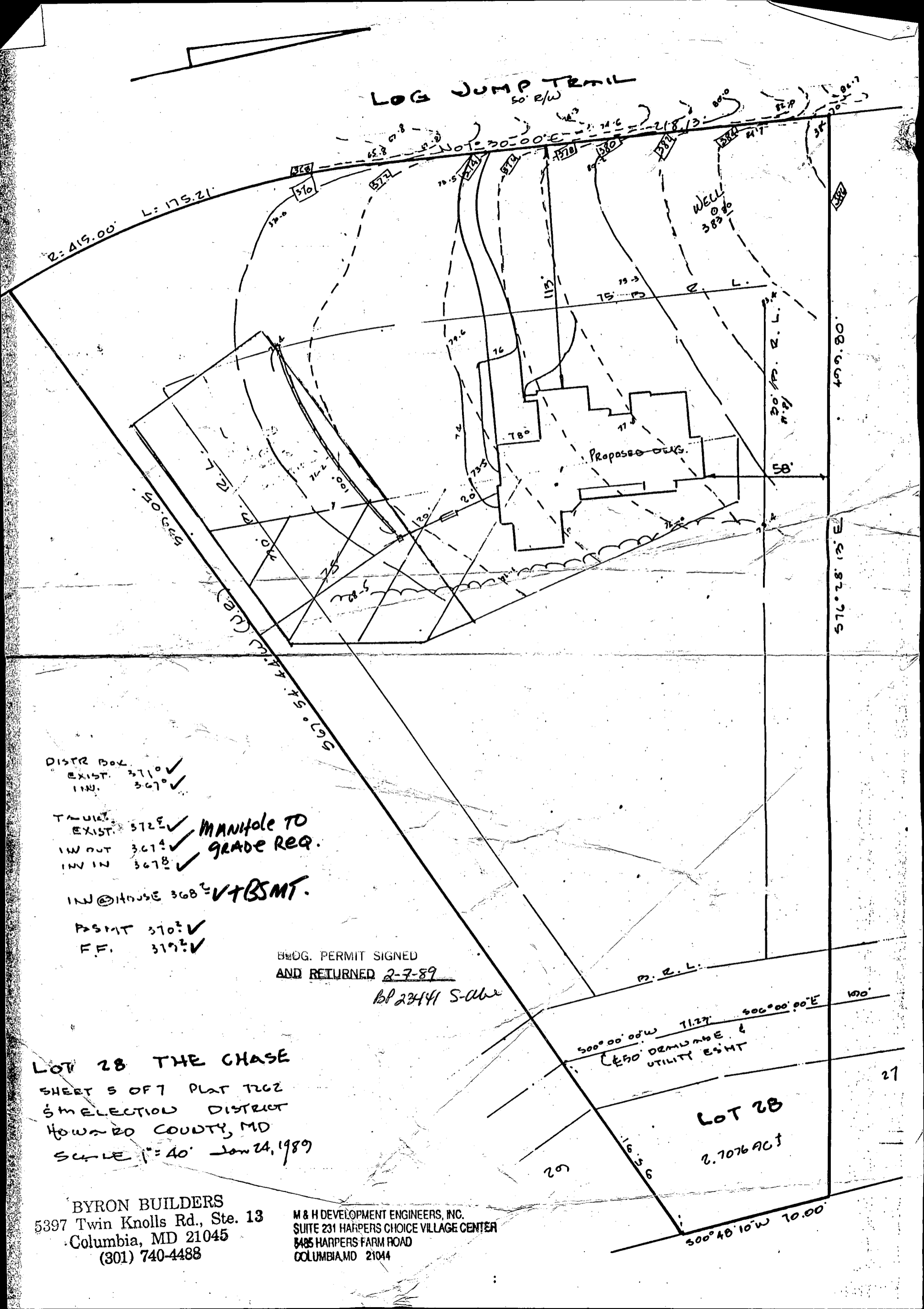
OEP USE ONLY (NOT TO BE FILLED IN BY DRILLER) T (E.R.O.S.) WQ TELESCOPE CASING LOG INDICATOR OTHER DATA

PUMPING TEST HOURS PUMPED (nearest hour) 3 PUMPING RATE (gal. per min. to nearest gal.) 62 METHOD USED TO MEASURE PUMPING RATE bucket WATER LEVEL (distance from land surface) BEFORE PUMPING 14 WHEN PUMPING 43 TYPE OF PUMP USED (for test) C centrifugal R rotary O other (describe below) J jet 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)



# LOG JUMP TRAIL



DISTR BOX  
 EXIST. 371.0 ✓  
 INV. 367.0 ✓

TRUNK  
 EXIST. 372.5 ✓ **MANHOLE TO**  
 IW OUT 367.4 ✓ **GRADE REQ.**  
 INV IN 367.8 ✓

IW @ HOUSE 368.5 ✓ **V+BSMT.**

P+BSMT 370.5 ✓  
 F.F. 372.5 ✓

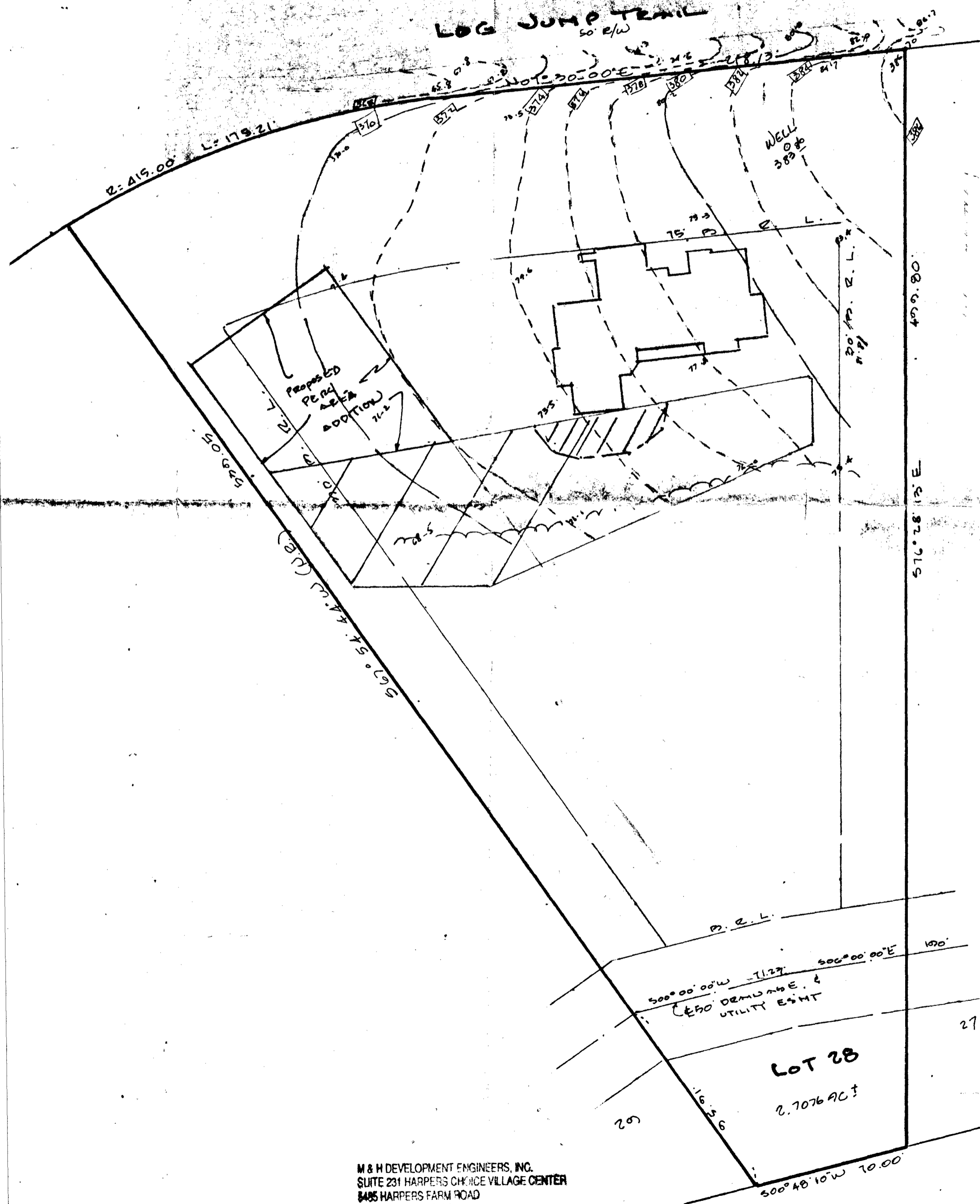
BUDG. PERMIT SIGNED  
 AND RETURNED 2-7-89  
 bp 23441 S-abc

**LOT 28 THE CHASE**  
 SHEET 5 OF 7 PLAT 1202  
 S MELECTION DISTRICT  
 HOWARD COUNTY, MD  
 SCALE 1"=40' Jan 24, 1989

**BYRON BUILDERS**  
 5397 Twin Knolls Rd., Ste. 13  
 Columbia, MD 21045  
 (301) 740-4488

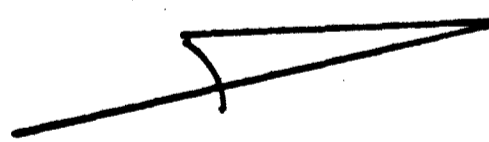
**M & H DEVELOPMENT ENGINEERS, INC.**  
 SUITE 231 HARPERS CHOICE VILLAGE CENTER  
 8485 HARPERS FARM ROAD  
 COLUMBIA, MD 21044

500°00'00"W 71.27' 500°00'00"E 170'  
 650' DEMAND &  
 UTILITY ESMT  
**LOT 28**  
 2.7076 AC ±  
 500°48'10"W 70.00'



NEED VARIANCE FROM HEALTH DEPT.

DUE TO CONTOURS - PRELIMINARY REVIEW HEALTH DEPT. ON RECORD



LOT 28 THE CHASE  
SHEET 5 OF 7 PLAT NO. 1262  
5<sup>TH</sup> ELECTION DISTRICT HOWARD CO., MD  
SCALE 1" = 40' JUNE 6, 1988