

SEPTIC SYSTEM TO BE INSTALLED FIRST

1/17/81 FILE APPROVED C.B.S.

PERMIT 04-338618

P 30804

A 25015

SEWAGE DISPOSAL SYSTEM

MARYLAND STATE DEPARTMENT OF HEALTH

HOWARD COUNTY

ELLICOTT CITY

DISTRICT 4th.

DATE 7/23/80

50' from front
20' from left

INDEXED

7/25/80 late afternoon please
7/28/80 a.m. please
1/19/81 - noon please

Jim Doyle

IS PERMITTED TO INSTALL ALTER

ADDRESS 2040 Green Mill Road, Ginksburg, Maryland 21048 PHONE 876-2279

SUBDIVISION Ritz Estates ROAD Moss Meadow Way LOT 15, Block B.

PROPERTY OWNER R. Carney Fryfogle

ADDRESS 320 Kingston Circle, Sykesville, Maryland

SPECIFICATIONS 3 Bedrooms

SEPTIC TANK CAPACITY 1000 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

FACING LOT FROM

Trenches
to be 3 feet wide, Inlet to be 3 feet below original grade and effective absorbant area from 6 feet to 7 feet. Maximum depth of trenches to be 7 feet below original grade. A minimum of 150 sq. ft. effective absorbant sidewall area per bedroom needed. Trenches can not exceed 100 feet in length. Distribution box to be used if more than 1 trench used. Two inspections of trenches required - before and after stone installed. If more than 1 trench, used - need to have a 15 foot distance between trenches, center to center. Run trenches on contour. Location of trenches per engineer's platt - used signed preliminary.

PLANS APPROVED BY Donald W. Monaghan/C.B.Streaker DATE 10/3/79

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 6 INCHES IN DIAMETER. CAST IRON, CONCRETE OR TERRA COTTA ACCEPTED.

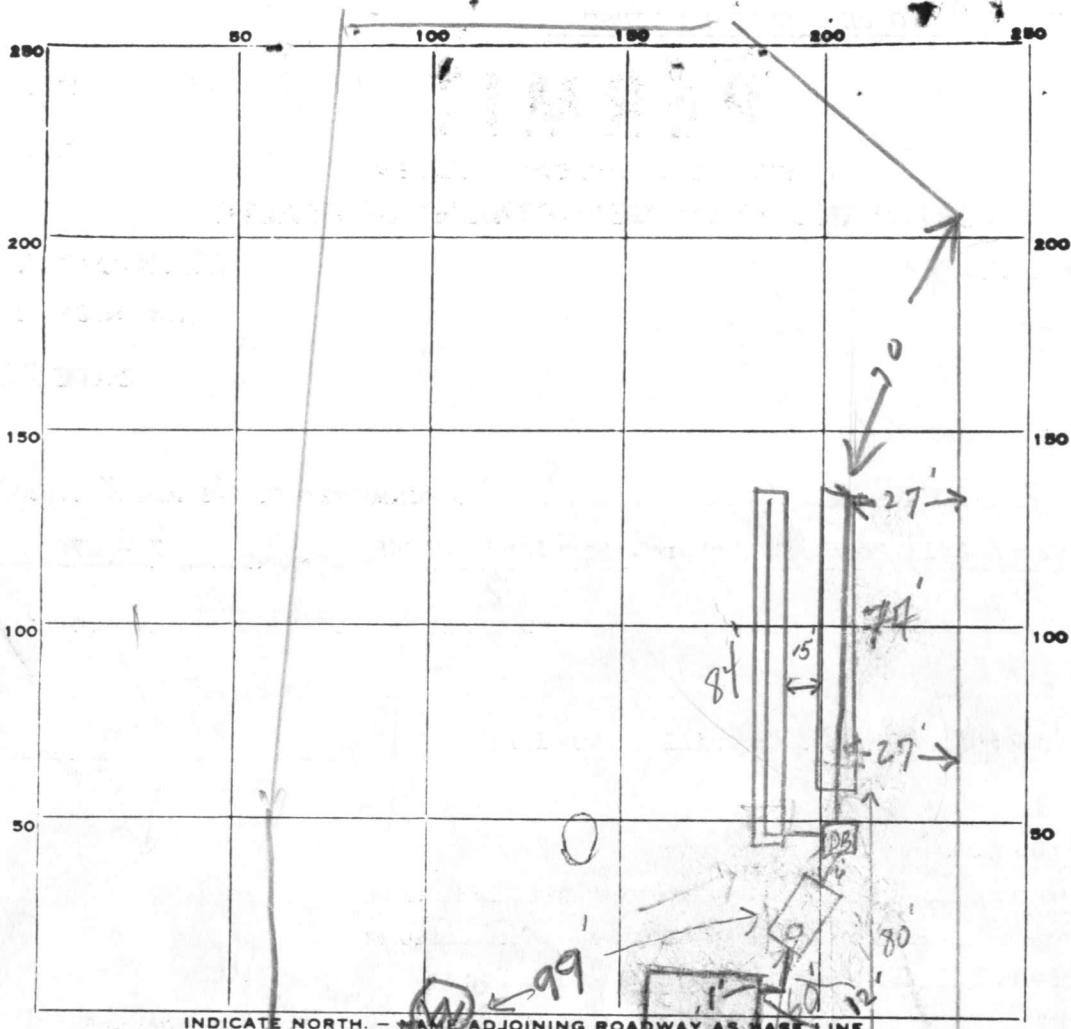
BLDG. PERMIT SIGNED
AND RETURNED 7/29/80
Serial # 41538

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

BLDG. PERMIT SIGNED
AND RETURNED 8/14/80
Serial # 46399
family room.

BLDG. PERMIT SIGNED
AND RETURNED 8/22/80
Serial # 463765
Two Story Addition

A 25015



PERMIT CARD

SEPTIC TANK, LEVEL

CLEANOUTS

DISTRIBUTION BOX, LEVEL

TILE FIELD, DEPTH DITCH #1 - 7 FT #2 7 FT TRENCH WIDTH DITCH #1 - 3 FT #2 3 FT

GRAVEL DEPTH 4' IN. TOTAL LENGTH DITCH #1 27 FT #2 84 FT

NUMBER OF TRENCHES 2 TOTAL BOTTOM AREA 483 sq ft

SEEPAGE PITS, INSIDE DIAMETER _____ FT. DEPTH BELOW INLET _____ FT.

ABSORBENT AREA 483 SQ. FT.

REMARKS 7/25/80 ELEVATIONS SHOW ON PLANS ARE WRONG
APPEAR TO BE REVERSED DISCUSSED WITH FF OK TO
CHANGE LOCATION OF DITCH & GRAVEL DITCH #1 BUT EXTEND
DITCH #1 TO 50 FT OFFRONT LINE NOT 80 FT & REDUCE
SIZE OF DITCH #2 / OK TO add gravel to ditch #2, OK TO

cover all work except last 2' from septic tank to house 5R+15
1/19/81 HOUSE CONNECTION SEEN. C.B.D
 DATE SYSTEM APPROVED 1/19/81 INSPECTOR C. B. Stecker 7-28-80

APPLICATION

A 25015

SEWAGE DISPOSAL TESTING

P _____

STATE OF MARYLAND - DEPARTMENT OF HEALTH AND MENTAL HYGIENE

HOWARD COUNTY HEALTH DEPARTMENT
ENVIRONMENTAL HEALTH SERVICES

P. O. BOX 476, ELLICOTT CITY, MARYLAND 21043
TELEPHONE: 465-5000, EXT. 356

Septic tank { *1-3 Bedrooms* } *4th* *1000 gallons*
4 Bedrooms } *1250 gallons*
DISTRICT _____
DATE 11-24-76

Trenches to be 3' wide.

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 WWGL ASSOCIATES *Del-Mar Development*

ADDRESS 4300 GELSTON DR. BALTIMORE, MD. 21229 PHONE 945-4200

PROPERTY LOCATION:

SUBDIVISION RITZ ESTATES LOT NO. 15 Block B

ROAD AND DESCRIPTION Southeast Side Moss Meadow Way 1439 (East of Beetz Rd.

SIZE OF LOT (Pipe Stem Lot) 42,000 Sq. Ft. TYPE BLDG. 3 or 4
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 _____

APPROVED BY *Howard County Health Dept.* *FF, D.W. D.* FOR *Shallow trenches only* DATE *11*
(KIND OF SYSTEM)

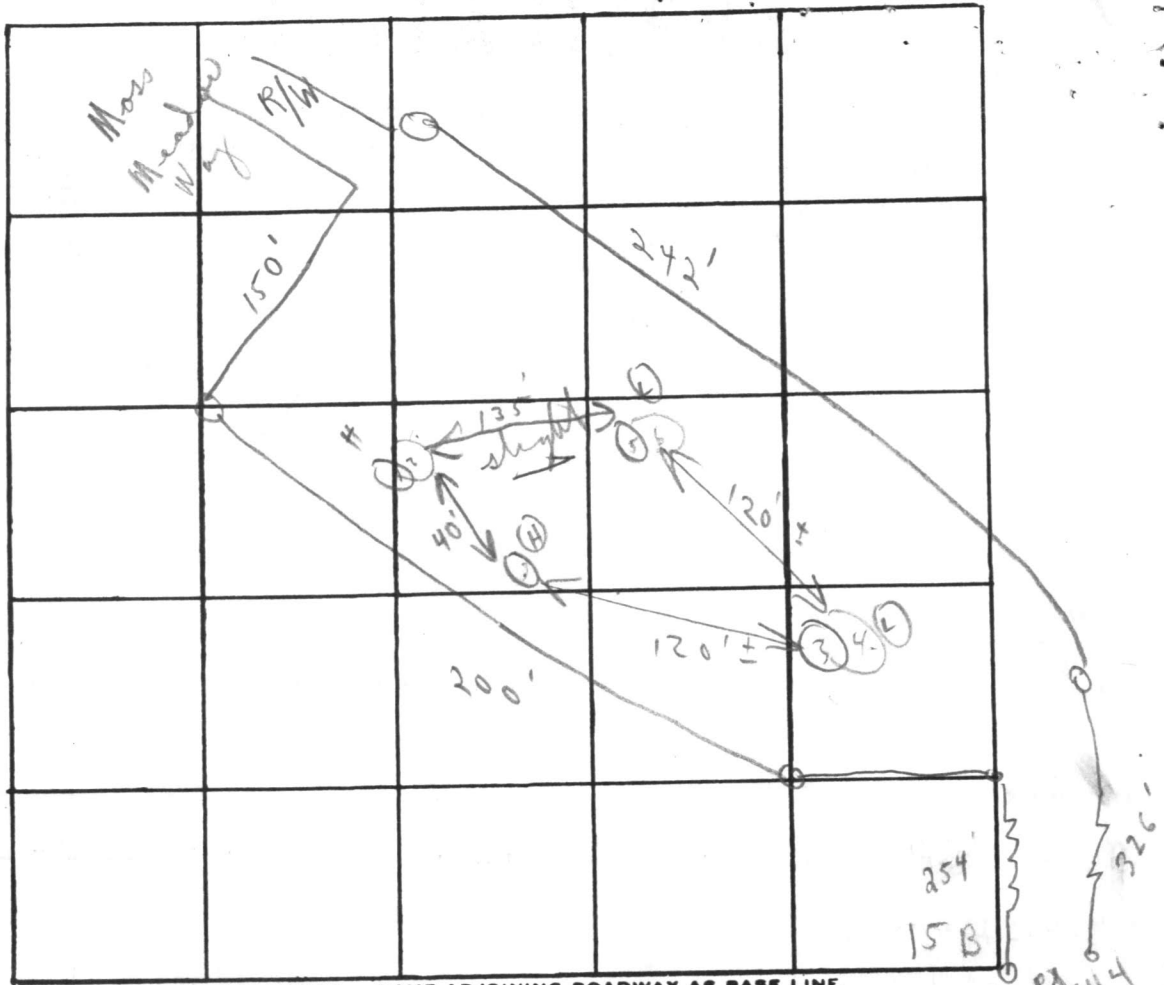
REJECTED BY _____ FOR _____ DATE _____
(KIND OF SYSTEM)

HOLD PENDING FURTHER TESTS _____ DATE _____

REASONS FOR REJECTION OR HOLDING _____

THIS IS NOT A PERMIT

15 B



INDICATE NORTH. - NAME ADJOINING ROADWAY AS BASE LINE.

Soil Profile

DATE	TEST NO.	DEPTH	PRE-WET		TEST 1" DROP		TIME	
			START	STOP	START	STOP		
5/26/77	1	6'	10:06	10:10	10:10	10:20	10 min	
	2	12 1/2'	10:06	10:11	10:11	10:22	11 min	
	3	6'	10:27	10:34	10:34	10:49	15 min	
	4	13'	10:25	10:26	10:26	10:28	2 min	
	5	5 1/2' pt	10:30	10:41	10:41	11:08	27 min	
	6	13' pt	10:30	10:32	10:32	10:36	4 min	
	7		Vernal					

Below clay Vandy brown or weathered shale

Bottom dry at 10:45 clayed

5 1/2 - 6' to 13' sandy loam

REMARKS High grass - field located holes by engineer

TYPE OF SOIL _____

TESTED BY C. B. D. ALSO PRESENT: Crew of Edwards

STATE OF MARYLAND

WATER RESOURCES ADMINISTRATION

TAWES STATE OFFICE BLDG., ANNAPOLIS, MARYLAND 21401
APPLICATION FOR PERMIT TO DRILL WELL

WRA PERMIT NUMBER

HC-73-3458
FILL IN THIS FORM COMPLETELY

B 1 4613 SEQUENCE NO. (WRA USE ONLY)
2 3 (SEQ. NO.) 6
THIS NUMBER IS TO BE PUNCHED IN COLS. 3-6 ON ALL CARDS

DATE RECEIVED (WRA USE ONLY)
11/14/79
9:30

OWNER DEL-MAR DEVELOPMENT INC
COL 15 LAST NAME FIRST NAME COL. 34
STREET OR RFD 6235 SYKESVILLE RD COL. 55
POST OFFICE SYKESVILLE MD 21784 COL. 76

B 1 CONTINUED DRILLER INFORMATION
1 2 3 (SEQ. NO.) 6
DATE 10/5/79 LICENSE NUMBER 209
77 80
HOWARD DILLON
FIRST NAME DRILLER LAST NAME
SIGNATURE Howard Dillon

B 3 LOCATION OF WELL
1 2 3 (SEQ. NO.) 6
COUNTY HOWARD (DO NOT ABBREVIATE COUNTY NAME) 21
SUBDIVISION RITZ ESTATES 42
SECTION B LOT 15 50
NEAREST TOWN POPLAR SPRINGS 71
MILES FROM TOWN (ENTER 0 IF IN TOWN) 1 M I 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) 300 14 20

B 4 DIRECTION FROM TOWN (CIRCLE APPROPRIATE BOX)
1 2 3 (SEQ. NO.) 6
N NORTH E EAST NE NORTHEAST SE SOUTHEAST
S SOUTH W WEST NW NORTHWEST SW SOUTHWEST
NEAR WHAT ROAD RITZ
ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX) N 32 S 32 E 32 W 32 FT
DISTANCE FROM ROAD (ENTER DISTANCE AND CIRCLE APPROPRIATE BOX) 200 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 } MUST HAVE STATE HEALTH DEPT. APPROVAL
P PRIVATE WATER COMPANY }
T TEST

APPROXIMATE DEPTH OF WELL 200 FEET
24 26

APPROXIMATE DIAMETER OF WELL 6 (NEAREST INCH)

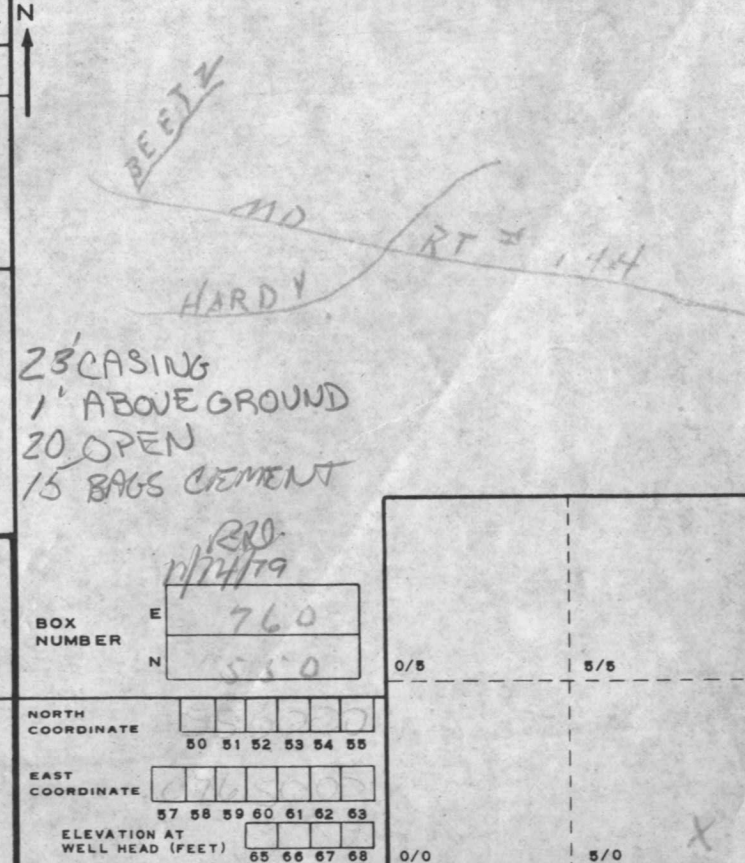
METHOD OF DRILLING USED (CIRCLE APPROPRIATE METHOD)
BORED (OR AUGERED) JETTED DRIVEN
30-37 AIR-ROTARY AIR-PERCUSSION ROTARY (HYDRAULIC ROTARY)
CABLE REVERSE-ROTARY DRIVE-POINT
OTHER (DESCRIBE)

REPLACEMENT OR DEEPEINED WELLS (CIRCLE APPROPRIATE BOX)
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 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 WRITE INITIALS IN BOX CONDITIONS A E N S G W Q C L U
67 68 70 71 72 73 74 75 76 77 78 79

B 4 CONTINUED HEALTH DEPARTMENT APPROVAL
1 2 3 (SEQ. NO.) 6
41 S STATE HEALTH COUNTY NAME HOWARD COUNTY NO. A25015
MO. DAY YR. APPROVED BY

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.



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

THE BOARD OF HEALTH

STREET DEPARTMENT

FOR THE BOARD OF HEALTH

FOR THE BOARD OF HEALTH

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RECEIVED
HOWARD COUNTY
HEALTH DEPT.
ELLICOTT CITY, MD.
OCT 23 9 39 AM '79

SEQUENCE NO. (WRA USE ONLY) **0708**

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

DATE RECEIVED (WRA USE ONLY) **11/15/79**

DATE WELL COMPLETED

DEPTH OF WELL **165**

PERMIT NO. FROM "PERMIT TO DRILL WELL" **H0-73-3458**

DRILLERS IDENTIFICATION NO. **209**

OWNER **DEL MAR DEVELOPMENT**

LAST NAME **6235 Sykesville Road**

FIRST NAME **Sykesville, Md. 21784**

STREET OR RFD 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	
Shale Rock	0	23	
Mica Rock	23	165	X

WELL DESCRIPTION

GROUTING RECORD

WELL HAS BEEN GROUTED (CIRCLE APPROPRIATE BOX) Y N

TYPE OF GROUTING MATERIAL (CIRCLE BOX):
 CEMENT CM BENTONITE CLAY BC

NO. OF BAGS **15** NO. OF POUNDS **1125**

GALLONS OF WATER **120**

DEPTH OF GROUT SEAL (TO NEAREST FOOT)
 FROM **0** FT. TO **21** FT.

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) **23**

OTHER CASING (IF USED)

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

SCREEN RECORD

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

DEPTH (NEAREST WHOLE FOOT)

EACH SCREEN	FROM	TO
2	23 24 26 30 32 36	
3	38 39 41 45 47 51	

SLOTSIZE 1. _____ 2. _____ 3. _____

DIAMETER OF SCREEN **56** (NEAREST INCH) FROM **60** TO

GRAVEL PACK

IF WELL DRILLED WAS A FLOWING WELL CIRCLE BOX F

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

T (E.R.O.S.) 70 72 74 75 76

TELESCOPE CASING LOG INDICATOR OTHER DATA AVAILABLE

PUMPING TEST

HOURS PUMPED (TO NEAREST HOUR) **6**

PUMPING RATE (GALLONS PER MINUTE TO NEAREST GALLON) **10**

METHOD USED TO MEASURE PUMPING RATE **TIME**

WATER LEVEL: (DISTANCE FROM LAND SURFACE)

BEFORE PUMPING **35** (NEAREST FOOT)

WHEN PUMPING **100** (NEAREST FOOT)

TYPE OF PUMPED USED (CIRCLE APPROPRIATE BOX)

A AIR P PISTON T TURBINE
 C CENTRIFUGAL R ROTARY O OTHER (DESCRIBE BELOW)
 J JET S 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) Y N

CAPACITY:
 GALLONS PER MINUTE (TO NEAREST GALLON) **31** **35**

PUMP HORSE POWER **37** **41**

PUMP COLUMN LENGTH (NEAREST FOOT) **43** **47**

CASING HEIGHT (CIRCLE APPROPRIATE BOX AND ENTER CASING HEIGHT)

+ ABOVE } LAND SURFACE (NEAREST FOOT) **2**

- BELOW } **49** **51**

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).

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.

DRILLERS NAME **Howard Dillon**

SIGNATURE *Howard Dillon*

MOSS MEADOW WAY

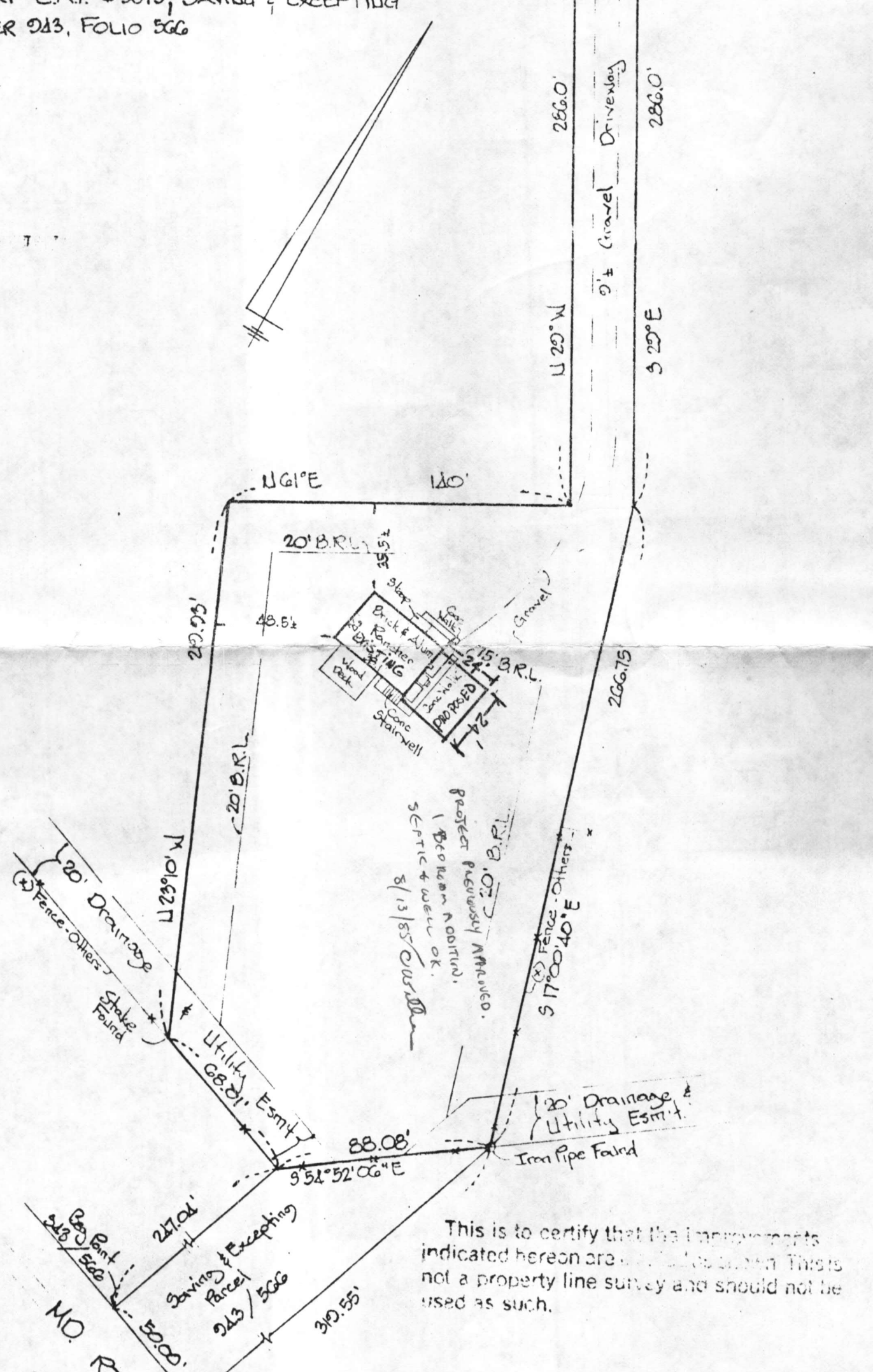
24' Mac Paving

50' R/W

1382.57' to Beetj Road

165' to Iron Pipe Found Corner Lots 9 & 10, BLK 'B'

LOCATION CERTIFICATION
 #16281 MOSS MEADOW WAY
 LIBER 1122, FOLIO 256 HOWARD CO. MD.
 BEING LOT 15, BLK. 'B' "RITZ ESTATES"
 PLAT C.M.P. #3879; SAYING & EXCEPTING
 LIBER 943, FOLIO 566



This is to certify that the improvements indicated hereon are as shown. This is not a property line survey and should not be used as such.



**Azimuth Consultants
 and
 Land Surveyors**
 4900 Belair Road
 Baltimore, Md. 21206

Scale: 1" = 50' Date: 5/8/85