

11/11/85  
8:30

APPROVED  
11/13/85  
P 36083  
A 24785

# PERMIT

SEWAGE DISPOSAL SYSTEM

MARYLAND STATE DEPARTMENT OF HEALTH\*

HOWARD COUNTY  
BUREAU OF ENVIRONMENTAL HEALTH  
992-2330

05-391849

ELLICOTT CITY  
DISTRICT \_\_\_\_\_

INDEXED

DATE 10/09/85

James G. Watzin IS PERMITTED TO INSTALL  ALTER \_\_\_\_\_

ADDRESS 531-2938 PHONE 725-1216

SUBDIVISION Kalmia Farms ROAD 14772 Betula Way LOT 8, Section 2

PROPERTY OWNER James G. Watzin

ADDRESS \_\_\_\_\_

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

SHALLOW TRENCHES - 125 sq. ft. bottom area per bedroom. Ditch is to be 3 feet wide, 4 - 4 1/2 feet deep, with inlet at 2 1/2 ft. maximum below original grade and filled with 1 1/2 feet of stone. Length of the ditch depends on the number of sq. ft. needed. Start the ditch at perc hole (9) and run it along level ground toward perc hole #(7 & 8). Perc hole #(9) is located 280 feet from the front lot line and 100 feet from the right lot line as seen when facing the lot from Betula Way. Perc hole #(7 & 8) is located 400 feet from the front lot line and 125 feet from the right lot line as seen when facing the lot from Betula Way. Distribution box is needed.

RECEIVED  
SERIALIZED 9/6/85  
Serial # 21069  
Garage

PLANS APPROVED BY 146 9/10/85 Raymond Hodges DATE 7/19/83

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 AND AFTER PLACING GRAVEL IN TRENCH.

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 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, OR PVC OR ABS ACCEPTED. IF TOP OF SEPTIC TANK IS DEEPER THAN 3 FEET MANHOLE TO GRADE REQUIRED.

BLDG. PERMIT SIGNED  
AND RETURNED 7/14/83  
Serial # 44048 - 25th  
Addition

24785

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

\*CALL 992-2330 FOR INSPECTION OF SEPTIC SYSTEMS.



# APPLICATION

8/11/83  
27485  
A \_\_\_\_\_

SEWAGE DISPOSAL TESTING

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

# 8 on 7/13/79 Plat  
Retest 2/14/80  
C.B.H.

DISTRICT \_\_\_\_\_

DATE \_\_\_\_\_

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 James G. Watzin  
ADDRESS 8233 Styers Court PHONE 725-1216  
Laurel, Md 20101

PROPERTY LOCATION \_\_\_\_\_  
SUBDIVISION KALMIA FARMS LOT NO. Lot 85.EC2  
ROAD AND DESCRIPTION 14772 Betula Way

SIZE OF LOT \_\_\_\_\_ TYPE BLDG. \_\_\_\_\_

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. BLDG. PERMIT SIGNED AND RETURNED 7/18/83  
Serial #599P2 SF10

SIGNATURE OF APPLICANT \_\_\_\_\_  
APPROVED BY Raymond Hodges FOR Tile Field DATE 19 JULY 83

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

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

REASONS FOR REJECTION OR HOLDING 11/2/79 CBS & H & J Roender Remained  
but could not find tile that would Retest  
needed here due to confusion  
USE streakers Results for Spec

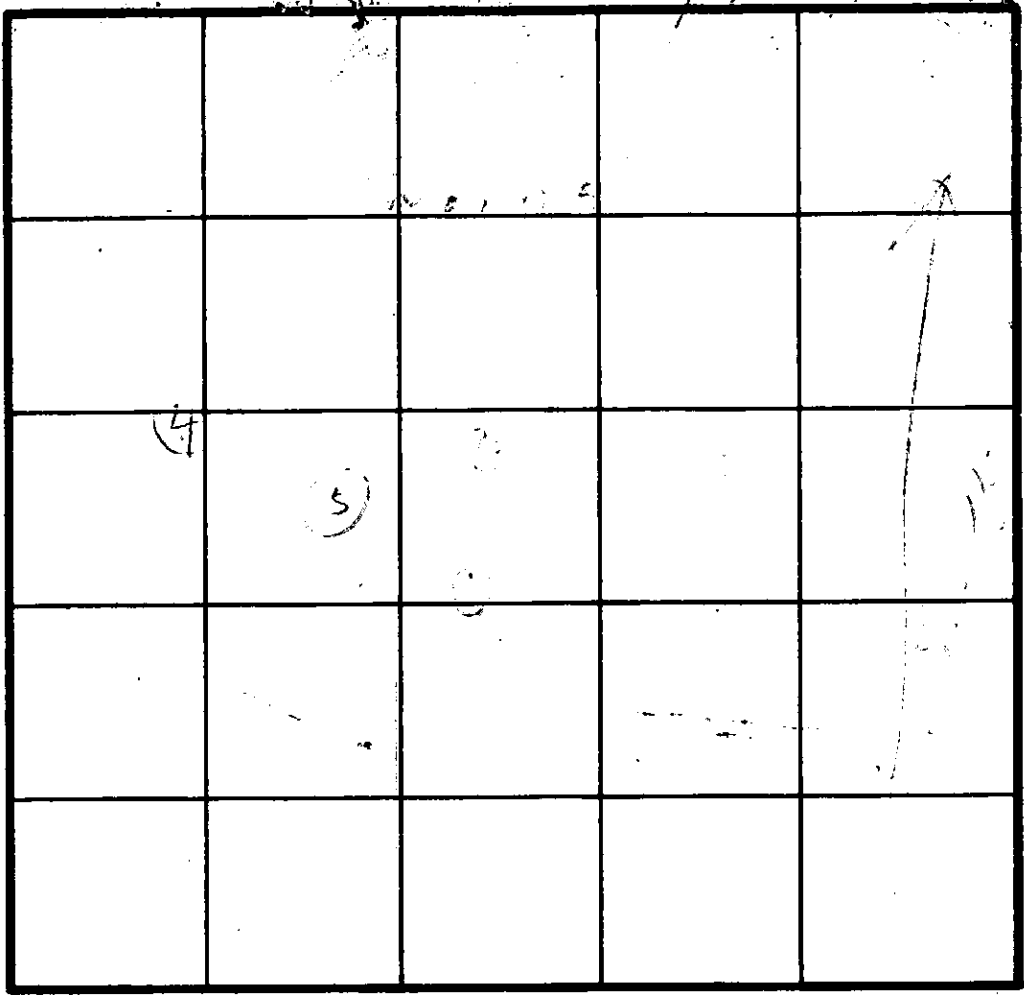
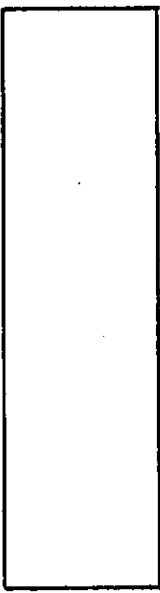
**THIS IS NOT A PERMIT**  
19 JULY 83 SPECS WRITTEN BY H

KALMYA FARMS

Lot 8  
Sect 2

See attached sheet

SOIL PROFILE



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

HOLE ELEVATION

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME	HOLE ELEVATION	
			START	STOP	START	STOP			
11/29/78	1S	3	255	256	256	258	2	HIGH	
11/29/78	1D	9 1/2	255	258	258	305	7		
	2S	3	259	300	300	303	3	LOW	
	2D	8	259	304	304	311	7		
	3D	8	308	309	309	310	1	LOW	
	3S	3	308	313	313	321	8		
	4S	4	314	317	317	325	8	LOW	
	4D	8 1/2	314	317	317	328	6		
	5V	8	ALL SAND						HIGH
11/29/78	2V	12	ALL SAND BOTTLE						

REMARKS NOTE THIS LOT TESTED BEFORE POSSIBLY UNDER A DIFFERENT NUMBER & FAILED (ROCK) RH  
 TYPE OF SOIL CANNOT FIND APPLICATION FOR OLD TEST

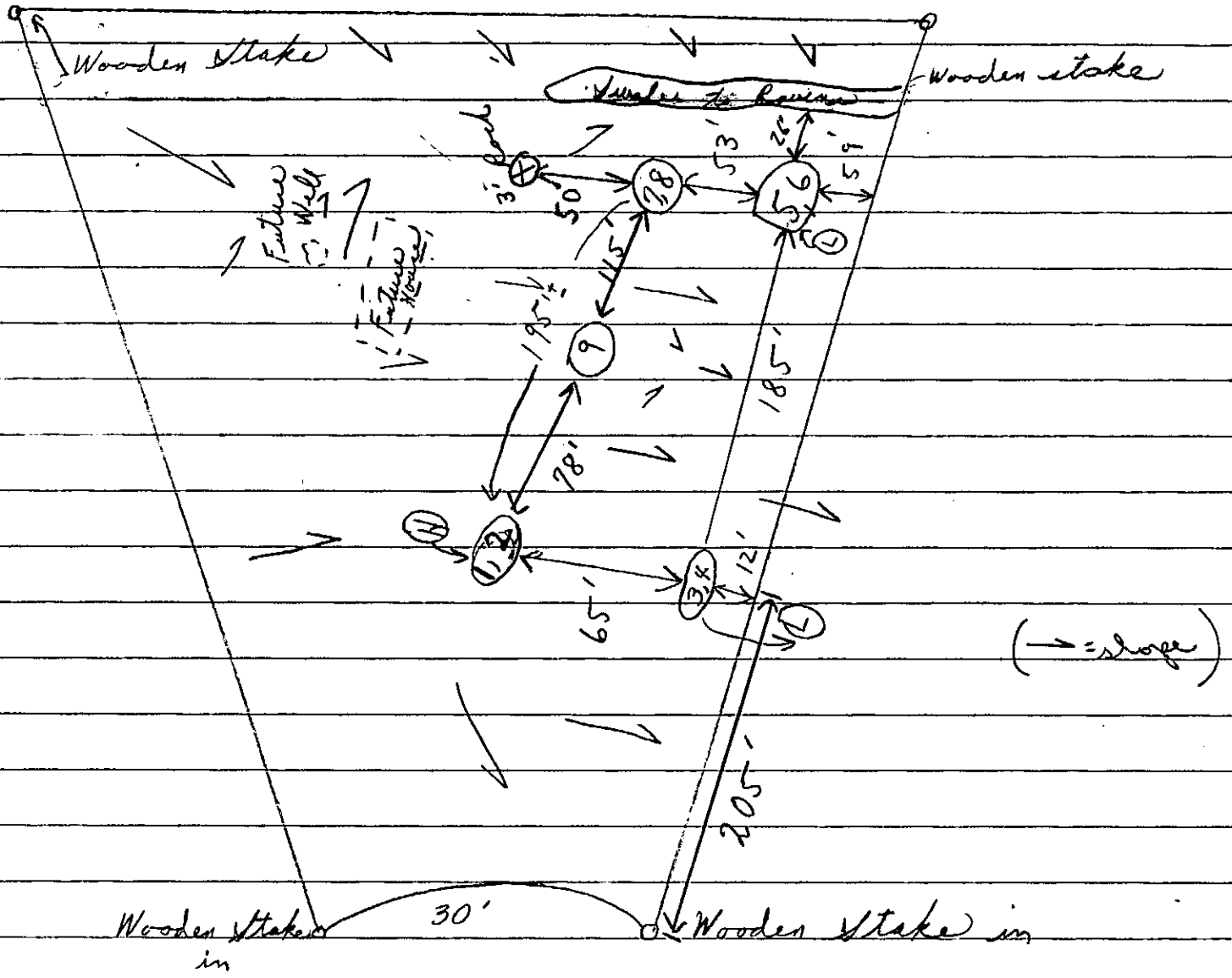
TESTED BY R H ALSO PRESENT DENNY & DEBRA

Use 3/80

2/15/80

Reaccomplished @  
office. C.B.D.

#8 Sec 2 Kalmia Farms



2/14/80 Hold for discussion with supervisor  
 2/15/80 A.M. discussed lot with Mr. Monaghan  
 ok for shallow system only.  
 Hold for certified hole. P.W.M. + C.B.D.

Recommend system first if approved.  
 C.B.D.

#8

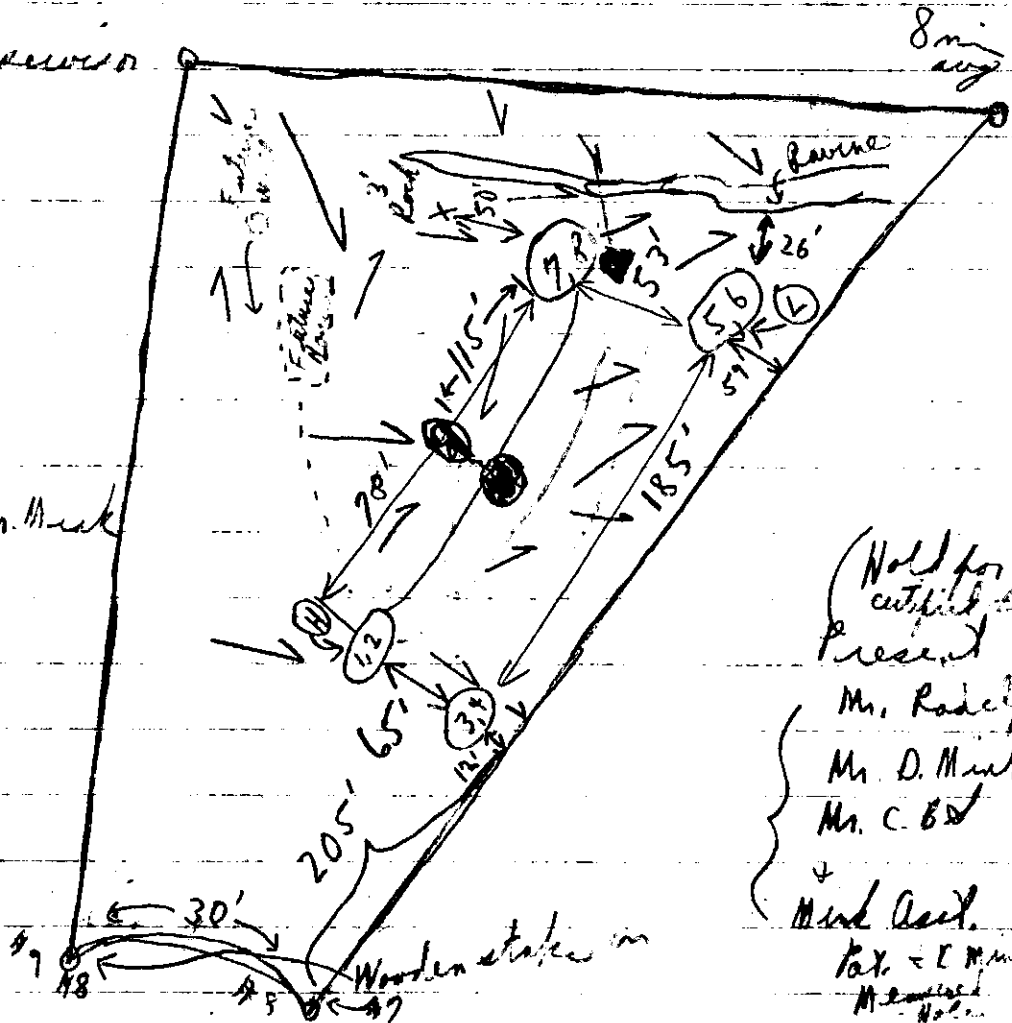
Field sheet  
Tests <sup>not</sup> per stake

2/1/80

Soil Profile	Depth	Hole #	1 <sup>st</sup> "	2 <sup>nd</sup> "	2 <sup>nd</sup> " stop	Total	Notes
1' - 3 1/2' clay	4'	1	2:24	2:25	2:27	2	min Inlet 3'
4' - 8 1/2' <u>Loam</u>	8 1/2'	2 <sup>Loam</sup>	2:24	2:26	2:28	2	Maximum
1 - 2 1/2' cl	3'	3	3:15	3:18	3:24	6	possible depth
2 1/2' - 7 1/2' LOAM	9 1/2'	4	3:15	3:19	3:32	13	{ RH 4' Oed } 3'
1' - 3' clay	3 1/2'	5	3:01	3:03	3:06	3	Wide Trenches
5 1/2' - 8' Loam	8'	6	2:56	2:58	3:05	7	
1' - 4' Clayish	4'	7	3:31	3:44	4:10	26	{ RH Oed } #3
4' - 8 1/2' loam	8 1/2'	8	3:28	→	3:29	1 <sup>+</sup>	Min
+ some 6' - 8 1/2' sandstone	8 1/2'	9	10 1/2' dry	similar to (1+2)		8/60	3:49 <sup>+</sup> Paddy

Hold for supervision  
recess

Copy given Mr. Mack



(Hold for certified copy)  
Present  
Mr. Radcliff  
Mr. D. Mack  
Mr. C. B. D  
+ Mack acct.  
Tax - E. Mack  
M. Mack

Field sketch

my cat

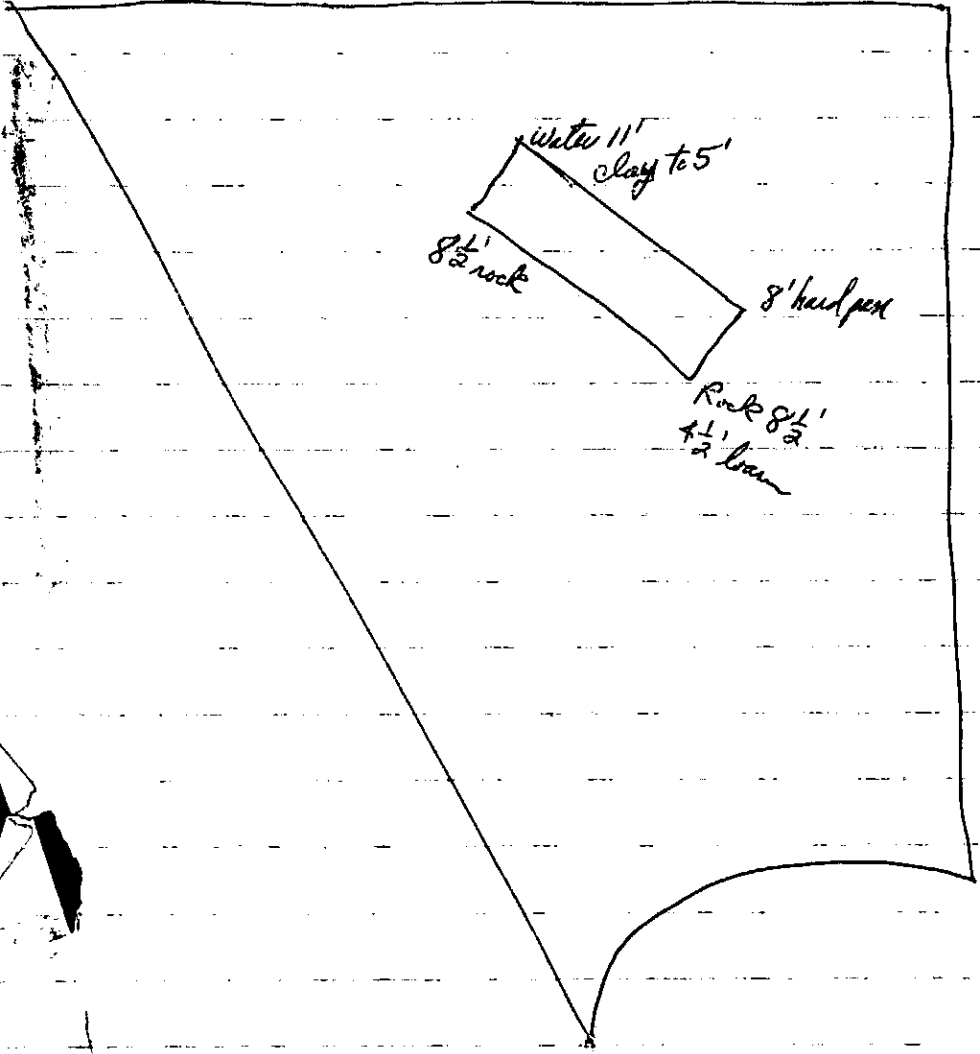
72 #8

5/19/78

P.M.

See platt

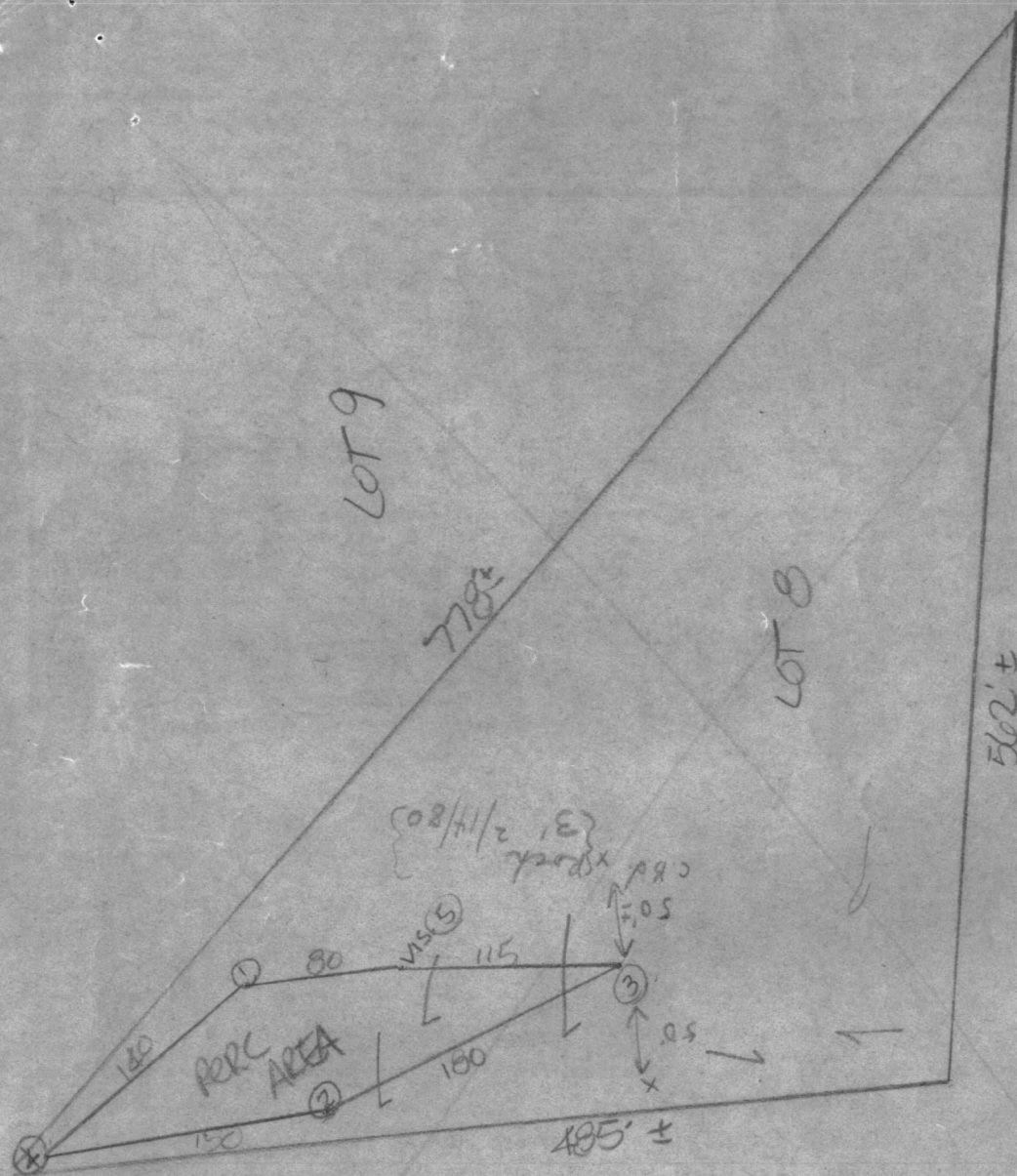
(B McDermott  
+ 2 others)  
of Britton pa.  
Hold her  
redesign  
possible



KALMIA FARMS

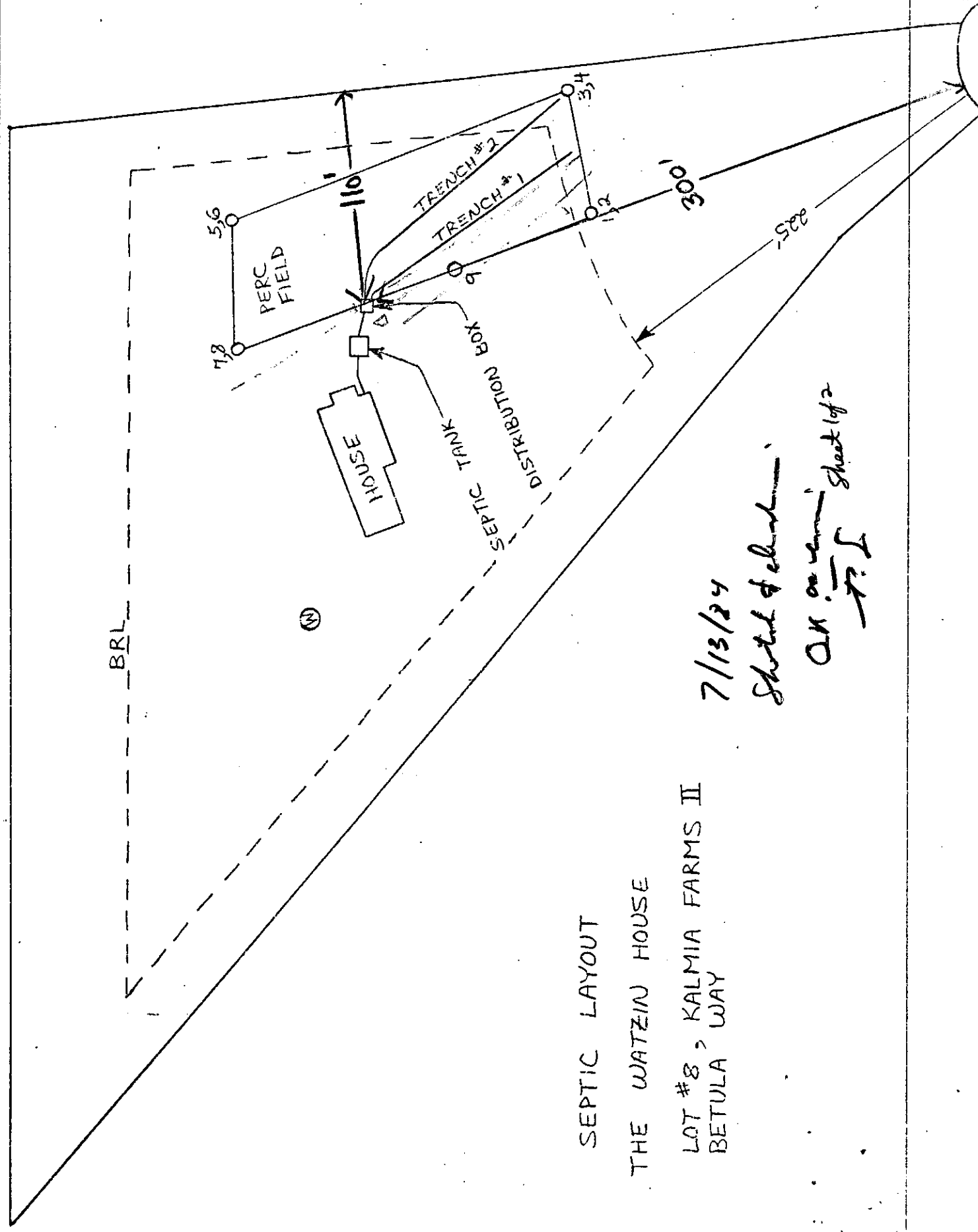
7/13/79 LOT 8 SECT 2

MADE IN BALTIMORE, MD BY ALBAVENE 3-78 MCG8333



LOT 7





SEPTIC LAYOUT  
THE WATZIN HOUSE  
LOT #8, KALMIA FARMS II  
BETULA WAY

7/13/24  
Sketch of *[unclear]*  
OK on *[unclear]* Sheet 1 of 2  
T.I.

BRL

THE WATZIN HOUSE  
SEPTIC SPECIFICATION  
Lot # 8, KALMIA FARMS II

- MIN. WELL to SEPTIC FIELD DISTANCE - 140 ft.
- MIN. WELL to SEPTIC TANK DISTANCE - 130 ft.
- MIN. HOUSE to SEPTIC TANK DISTANCE - 10 ft.
- MIN. HOUSE to SEPTIC FIELD DISTANCE - 30 ft.

HOUSE ELEVATIONS

- 1<sup>ST</sup> FLOOR - 425
- BASEMENT FLOOR - 416

WELL ELEVATION - 430 ft.

SEPTIC SYSTEM

- 1000 GALLON SEPTIC TANK
- 150 ft. of SHALLOW TRENCH, 3 ft. wide x 4.5 ft. deep
- DISTRIBUTION BOX

SEPTIC FIELD ELEVATIONS	
LOCATION	INVERT ELEV.
WASTE PIPE OUT of HOUSE	415' 2"
WASTE PIPE INTO SEPTIC TANK	<del>414</del> 415'
EXISTING GRADE at SEPTIC TANK	418'
DRAIN PIPE OUT of SEPTIC TANK	414' 8"
EXISTING GRADE at DIST. BOX	417'
DRAIN PIPE INTO DIST. BOX	414' 7"
DRAIN PIPE OUT of DIST. BOX	414' 3"
DRAIN PIPE at END of TRENCH #1	414'
DRAIN PIPE at END of TRENCH #2	<del>412</del> 414'

7/13/84 Sheet 2 of 2  
 Sketch & elevations  
 O.K. as revised  
 F.S.

42 361 50 SHEETS 5 SQUARE  
 42 362 100 SHEETS 5 SQUARE  
 42 384 200 SHEETS 5 SQUARE



C1 4462 SEQUENCE NO. (OEP USE ONLY)

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 A27485

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

DATE RECEIVED

DATE WELL COMPLETED

Depth of Well

PERMIT NO.  
FROM "PERMIT TO DRILL WELL"

8 13

15 20 092983

22 26 120 (TO NEAREST FOOT)

28 37 40-81-0275

OWNER *Watzin James*  
STREET OR RFD *14722 Betula Way* TOWN *Dayton*  
SUBDIVISION *Kalmia Farms* SECTION *2* LOT *8*

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	
TOP SOIL	0	2	
Clay	2	6	
SHALEY	6	12	
SAND STONE	12	35	
MICA	35	45	
SAND STONE	45	50	
MICA	50	65	
SAND STONE & QUARTZ	65	75	✓
MICA	75	85	
FLINT	85	90	✓
MICA	90	120	

GROUTING RECORD  
WELL HAS BEEN GROUTED (Circle Appropriate Box)  
TYPE OF GROUTING MATERIAL

CEMENT  CM BENTONITE CLAY  BC  
NO. OF BAGS *14* NO. OF POUNDS *400*  
GALLONS OF WATER *65*  
DEPTH OF GROUT SEAL (to nearest foot)  
from *0* ft. to *48* ft. (enter 0 if from surface)

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)  
 ST  6  54

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 BRONZE  HO OPEN HOLE  OT PLASTIC  PL OTHER  OT

DEPTH (nearest ft.)  
EACH SCREEN  
1  H0  52  120  
2  
3  
SLOT SIZE 1 2 3  
DIAMETER OF SCREEN (NEAREST INCH)  
from to

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

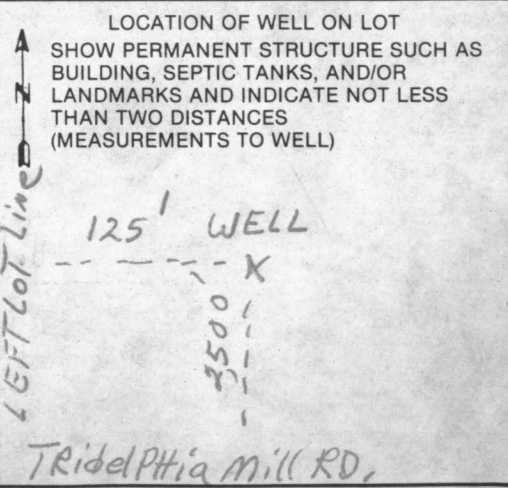
OEP USE ONLY (NOT TO BE FILLED IN BY DRILLER)  
T (E.R.O.S.) WQ  
70 72 74 75 76  
TELESCOPE CASING LOG INDICATOR OTHER DATA

C 3  
PUMPING TEST

HOURS PUMPED (nearest hour) *3*  
PUMPING RATE (gal. per min. to nearest gal.) *12*  
METHOD USED TO MEASURE PUMPING RATE *BUCKET*  
WATER LEVEL (distance from land surface)  
BEFORE PUMPING *35*  
WHEN PUMPING *46*  
TYPE OF PUMP USED (for test)  
 A air  P piston  T turbine  
 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) *31*  
PUMP HORSE POWER *37*  
PUMP COLUMN LENGTH (nearest ft.) *43*  
CASING HEIGHT (circle appropriate box and enter casing height)  
 + above } LAND SURFACE (nearest foot) *2*  
 - 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. *40*  
*George J. Eastday*  
DRILLERS SIGNATURE (MUST MATCH SIGNATURE ON APPLICATION)  
*Charles K. Fuller*  
SITE SUPERVISOR (sign. of driller or journeyman responsible for sitework if different from permittee)