

APPROVED
11/1/85 RH

P 35875

A 26357

PERMIT

SEWAGE DISPOSAL SYSTEM

MARYLAND STATE DEPARTMENT OF HEALTH

HOWARD COUNTY
BUREAU OF ENVIRONMENTAL HEALTH
992-2330

ELLICOTT CITY
DISTRICT 5th

INDEXED
05-386578

DATE 8/2/85

Randy Ayersman IS PERMITTED TO INSTALL ALTER

ADDRESS 13101 Lutes Drive, Silver Spring, MD 20906 PHONE _____

SUBDIVISION Kalmia Farms ROAD 5233 Kalmia Drive LOT 9, Section 1

PROPERTY OWNER Randy Ayersman Russell Grist

ADDRESS _____

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 - 158 sq. ft. per bedroom. Trench to be 2 feet wide. Inlet 3 1/2 feet below original grade. Bottom maximum depth 9 feet below original grade. Effective area begins at 3 1/2 feet below original grade. 5 1/2 feet of stone below distribution pipe. LOCATION: Start first trench 240 feet from the front lot line and 50 feet from the right lot line as seen when facing the property from Kalmia Drive. Run trench(s) along level ground toward left side of lot.

NOTE: No trench to exceed 100 feet in length. If more than one trench used, a distribution box is required. Call for inspection of trench(s) before and after gravel is installed. Provide 6" - 8" diameter cleanout and cap to grade or above on septic tank.

SEDC. PERMIT SIGNED

AND RETURNED 7-15-85

Serial # B70119398
stand existing, paved

PLANS APPROVED BY C. Williams DATE 7/24/85

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.

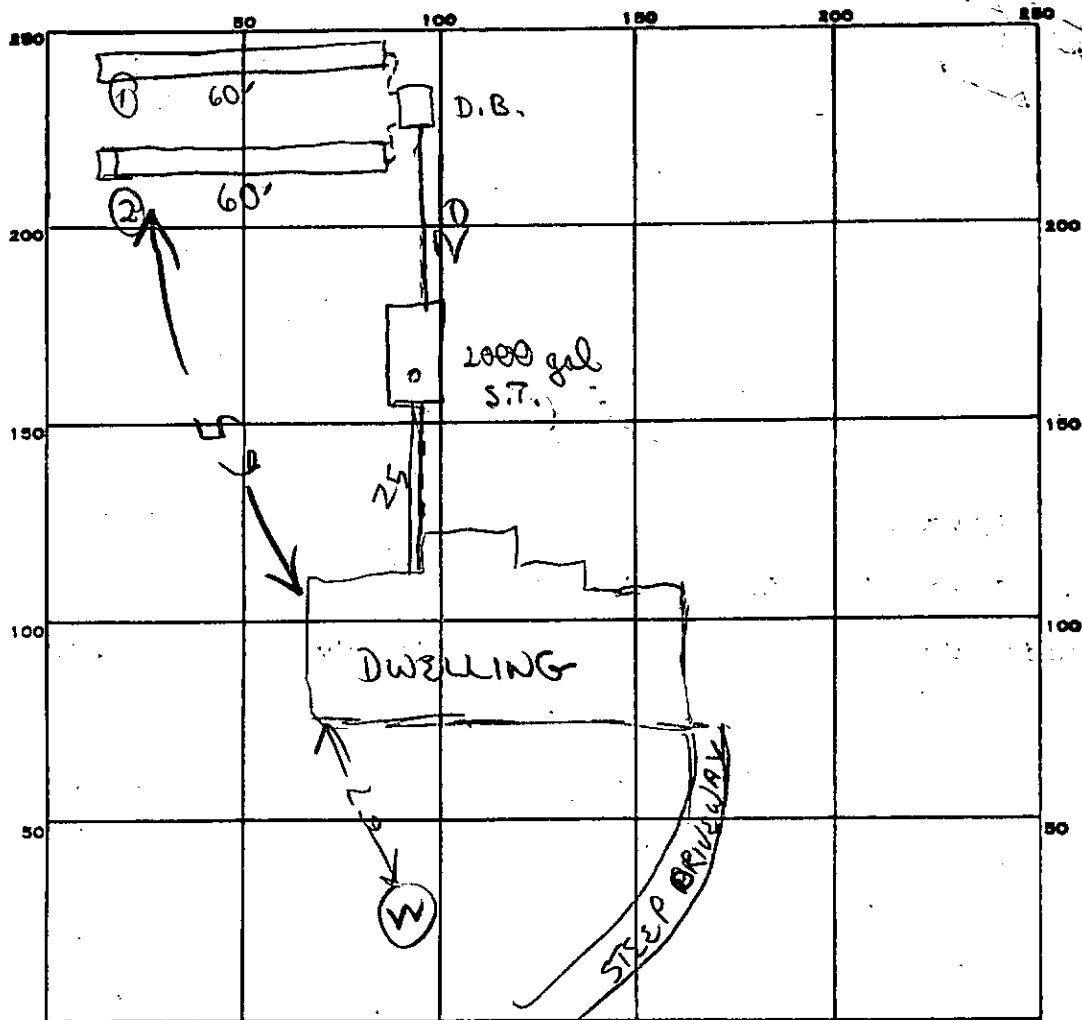
NOTE: INSTALL STAND PIPE ON SEPTIC TANK AND DRY WELL. STAND PIPES MUST BE 6 INCHES IN DIAMETER. CAST IRON, CONCRETE OR TERRA COTTA, OR PVC OR ABS ACCEPTED. IF TOP OF SEPTIC TANK IS DEEPER THAN 3 FEET MANHOLE TO GRADE REQUIRED.

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

*CALL 992-2330 FOR INSPECTION OF SEPTIC SYSTEMS.

EH - 2-1082

A 26357



INDICATE NORTH. - NAME ADJOINING ROADWAY AS BASE LINE.

KAMIA

PERMIT CARD _____

SEPTIC TANK, LEVEL ✓ 2000

CLEANOUTS ST
OK

DISTRIBUTION BOX, LEVEL ✓ (Patch extra hole)

HOLE PATCHED

TILE FIELD, DEPTH 9 FT.

FT.

TRENCH WIDTH 2 FT.

FT.

GRAVEL DEPTH 6 IN.

IN.

TOTAL LENGTH 120 FT.

FT.

NUMBER OF TRENCHES 2

TOTAL BOTTOM AREA ONE SIDE
660 Below Top 3 1/2 FT

660 Below Top 3 1/2 FT

SEEPAGE PITS, INSIDE DIAMETER _____ FT.

FT.

DEPTH BELOW INLET _____ FT.

FT.

ABSORBENT AREA _____ SQ. FT.

SQ. FT.

REMARKS _____

10/29/85

OK TO add stone, pipe & paper to both trenches

11/1/85 - STONE ADDED OK TO COVER SYSTEM RH

DATE SYSTEM APPROVED 11/1/85

INSPECTOR Raymond Hodges

APPLICATION

A 26357

SEWAGE DISPOSAL TESTING

STATE OF MARYLAND - DEPARTMENT OF HEALTH AND MENTAL HYGIENE

P 1000 gallons

HOWARD COUNTY HEALTH DEPARTMENT
ENVIRONMENTAL HEALTH SERVICES
P.O. BOX 476 ELLICOTT, MARYLAND 21043
TELEPHONE: 992-2330

Trend Septic Tank { 1-3 Bedroom 1000 gallons
4 Bedrooms 1250 gallons

~~to have 58 sq. ft effective absorbent sidewall~~
area per bedroom below initial inlet to be 3 1/2' below
original grade and maximum depth of location

MAKE TRENCH
BACK 20 FT.

per engineers plat: 50' off right property line
215' from right hand corner of when facing
lot from Kalmia Drive.

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 Randolph Ayersman
ADDRESS 5233 Kalmia Drive PHONE _____

PROPERTY LOCATION:

SUBDIVISION KALMIA FARMS SEC. I. LOT NO. # 9, Sec. 1

ROAD AND DESCRIPTION _____

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.

SIGNATURE OF APPLICANT _____

APPROVED BY C. B. Shuster FOR Dry Well DATE 2/13/79

REJECTED BY _____ FOR _____ DATE _____

HOLD PENDING FURTHER TESTS _____ DATE _____

REASONS FOR REJECTION OR HOLDING 10/23/78 Reaccomplished at office.

BLDG PERMIT SIGNED

AND RETURNED 6/20/85

#65512 p.S.F.O

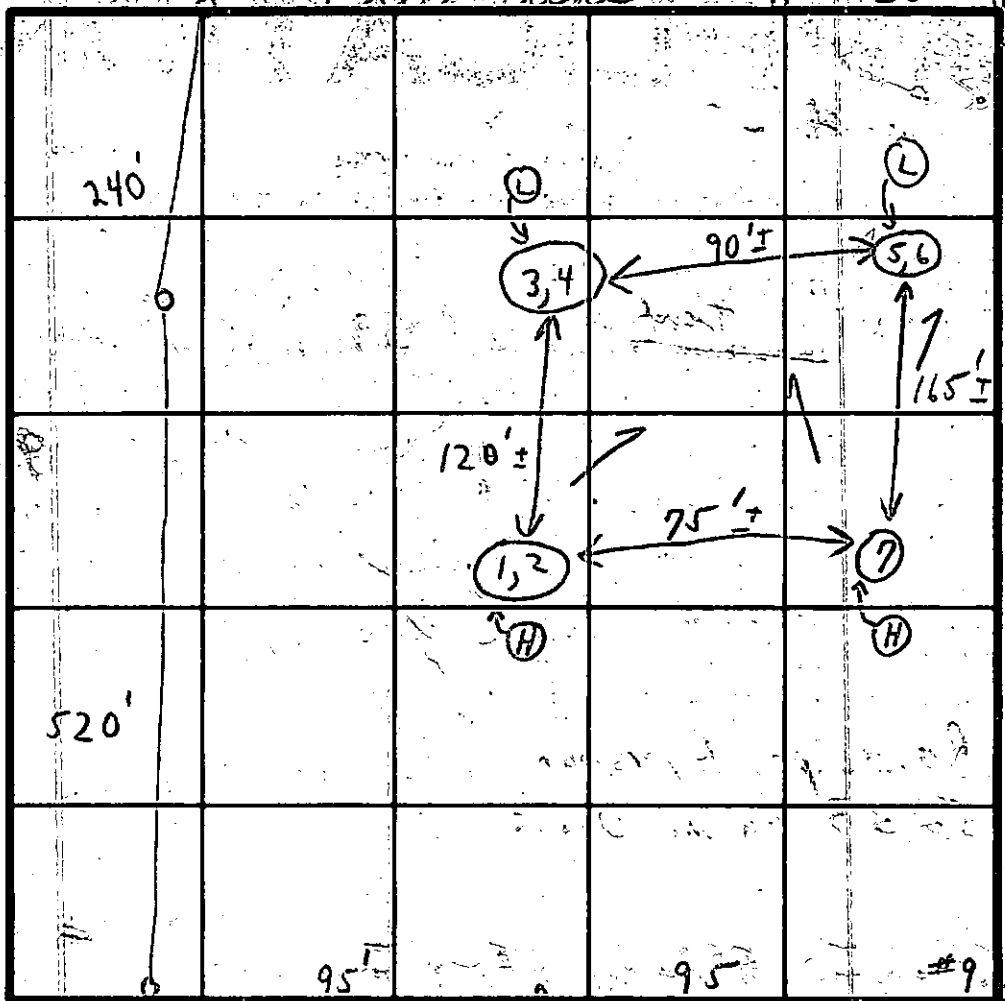
THIS IS NOT A PERMIT

T rec. 85' line

20'

SOIL PROFILE

Below
clay
sandy
loam



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

Road B

DATE	TEST NO.	-DEPTH	PRE-WET		TEST - 1" DROP		TIME	
			START	STOP	START	STOP		
8/9/77	1	3 1/2'	1:32	1:35	1:35	1:40	5 min	
	(H) 2	12'	1:32	1:40 ^{out}	1:40	1:53	13 min	
	3	3'	1:30	1:32	1:32	1:35	3 min	
	(L) 4	13'	1:30	1:34	1:34	1:39	5 min	
	5	6 1/2'	1:25	1:27	1:27	1:33 ^{out}	6 min	
	(L) 6	13'	1:27	1:30 ^{out}	1:30	1:36	6 min	
Use	(H) 7	11'	(Visual similar to others)					6
							38	

ended
3 1/2'
7 min
avg.

REMARKS

10/23/78 Recs completed at office

TYPE OF SOIL

TESTED BY

C. B. S.

ALSO PRESENT

J. Fyock's crew

Here areas ~~containing~~ (#8) (#9) Final 12/15/77
 into #10

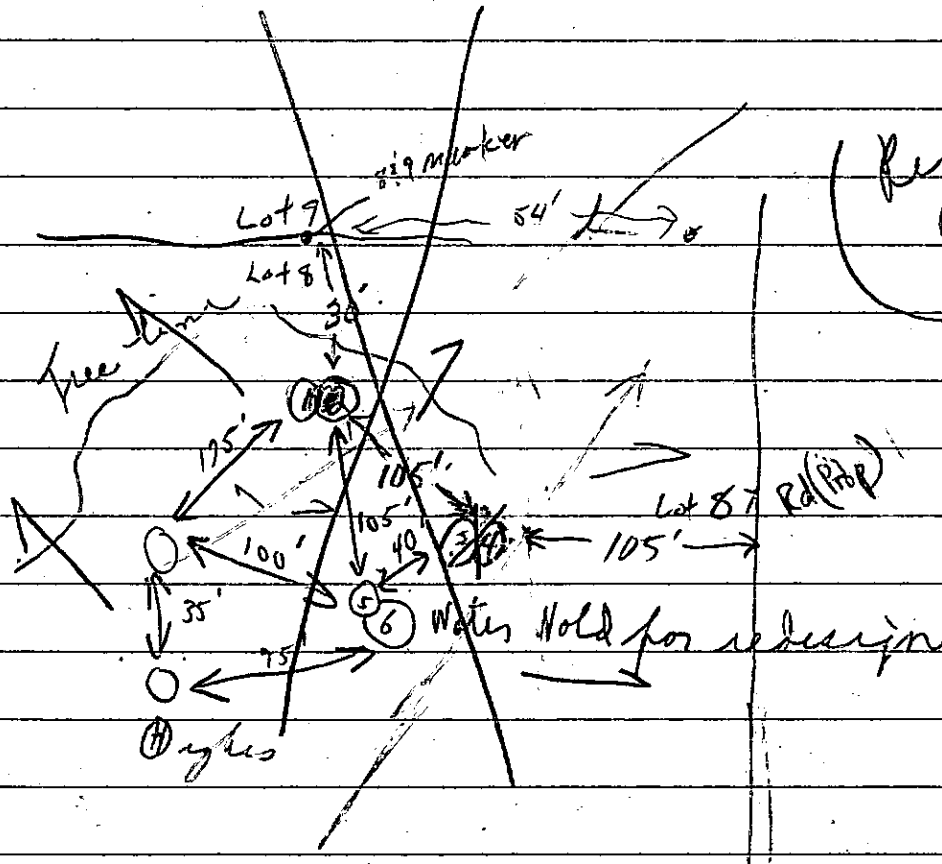
SEC. I.

Field notes

Lot 209

8/10/77
Ogle

8/11/77
C.B.G.



(Pumped water)

Rd (Existing Dirt)

Soil Profile	Tests	Depths	Start 1 st	Start 2 nd	Finish	Total
0-4 1/2' clay	1	4'	3:28	3:30	3:33	3 1/2 min
5-12 sandy loam	2	12 1/2'	3:29	3:38	3:46	8 min
clayey sand	3 (low)	5'	3:54	Water breaking in @ 10'		
	4	2 1/2'	3:54:30	Pulled out @ 4:05 PM		
	5					
	6	12 1/2' Water				

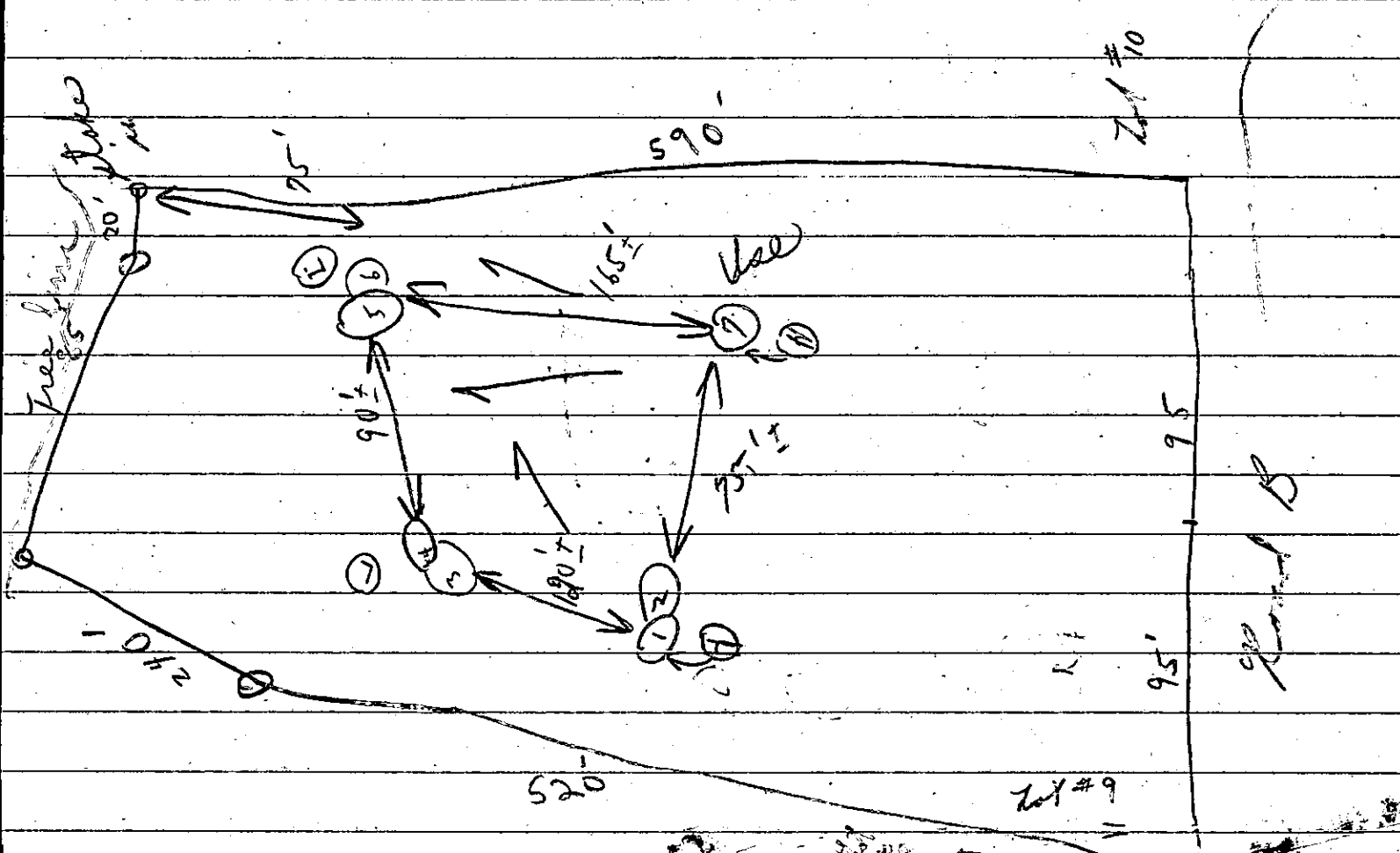
(See next page)

12/15/77 Now part of ~~88~~ ~~89~~ Use
 Road B Lot #9

Fyocko crew
 Fyock out there
 in P.M.

Soil Profile	Test	Depth	Start 1st	Start 2nd	Finish	Total	
8/9/77	1	3 1/2'	1:32	1:35	1:40	5m	
Vandalism below clay	(H) 2	12'	1:32	1:40 and	1:53	13m	
	3	3'	1:30	1:32	1:35	3m	
	L 4	13'	1:30	1:34	1:39	5m	
	L 5	6 1/2'	1:25	1:27	1:33	6m	
	6	13'	1:27	1:30 and	1:36	6m	
	7	(Vandal 11' situation to other)					

Area tested in open making
 trees



C1 2321 SEQUENCE NO. (OEP USE ONLY)
 (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 26357

DATE Received: [] [] [] [] [] []
 DATE WELL COMPLETED: 06/28/85
 Depth of Well: 300 (TO NEAREST FOOT)
 PERMIT NO. FROM "PERMIT TO DRILL WELL": 10-81-1099

OWNER: RYERSON RANDOLPH
 STREET OR RFD: last name KALMIA DRIVE first name TOWN DAYTON
 SUBDIVISION KALMIA FARMS I SECTION LOT 7

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	
Topsoil	0	2	
Br. Mica	2	53	✓
Gray Mica	53	56	
Tan Mica	56	58	
Gray Mica	58	62	
Tan Mica	62	65	✓
Gray Mica	65	195	
Flint	195	205	✓
Gray Mica	205	300	

GROUTING RECORD
 WELL HAS BEEN GROUTED (Circle Appropriate Box) YES NO
 TYPE OF GROUTING MATERIAL
 CEMENT BENTONITE CLAY
 NO. OF BAGS 18 NO. OF POUNDS 1800
 GALLONS OF WATER 700
 DEPTH OF GROUT SEAL (to nearest foot)
 from 0 ft. to 50 ft.

CASING RECORD
 casing types insert appropriate code below
 ST CO STEEL CONCRETE
 PL OT PLASTIC OTHER
 MAIN -- Nominal diameter Total depth
 CASING .top (main) casing of main casing
 TYPE (nearest inch) (nearest foot)
 ST 6 65

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
 PL OT PLASTIC OTHER

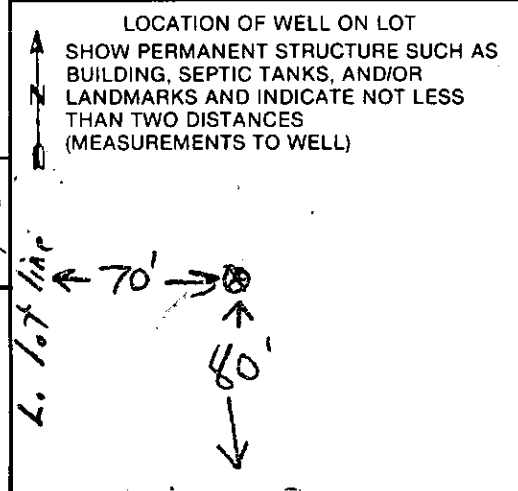
DEPTH (nearest ft.)
 H C 61 300
 SLOT SIZE 1 2 3
 DIAMETER OF SCREEN (NEAREST INCH)
 from to

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
 TELESCOPE CASING LOG INDICATOR OTHER DATA

PUMPING TEST
 HOURS PUMPED (nearest hour) 6
 PUMPING RATE (gal. per min. to nearest gal.) 3
 METHOD USED TO MEASURE PUMPING RATE Bucket
 WATER LEVEL (distance from land surface)
 BEFORE PUMPING 25
 WHEN PUMPING 128
 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 (CIRCLE) (YES or NO) 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 (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.

DRILLER'S IDENT. NO. 411
 DRILLER'S SIGNATURE (MUST MATCH SIGNATURE ON APPLICATION)
 SITE SUPERVISOR (sign. of driller or journeyman responsible for sitework if different from permittee)

8:00 6 hr

FIELD DATA SHEET
HOWARD COUNTY WELL YIELD TEST

Well Permit No. HO - 81-1049
 Location of property (road) KALMIA DRIVE
 Subdivision KALMIA FARMS I Lot 7 Block _____ Plat _____ Sec. _____
 Well Driller EASTBAY Owner RANDOLPH AYERSON

Depth of well 300 ft 36 PM
 Distance of measuring point (M.P.) above ground 2
 Static water level (S.W.L.) below M.P. 25

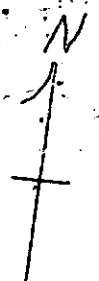
I. High rate pumping -- reservoir drawdown

Time pump started 8:30 Pumping rate 9 GPM
 Total time 1 NR to reach pumping water level 25 ft. below M.P.

II. Recovery pump test data - observations to be recorded every 15 minutes

TIME (in 15 minute intervals)	WATER LEVEL below M.P.	PUMPING RATE time to fill 1/2 gallon bucket	FLOW METER READING (if used)	CALCULATED FLOW (gallons per minute)
9:45	127	20 SEC.		3
10:00	127	20		3
10:15	128	20		3
10:30	128	20		3
10:45	128	20		3
11:00	128	20		3
11:15	128	20		3
11:30	128	20		3
11:45	128	20		3
12:00	128	20		3
12:15	128	20		3
12:30	128	20		3
12:45	128	20		3
1:00	128	20		3
1:15	128	20		3
1:30	128	20		3
1:45	128	20		3
2:00	128	20		3
2:15	128	20		3
2:30	128	20		3
2:45	128	20		3
3:00	128	20		3
3:15	128	20		3
3:30	128	20		3

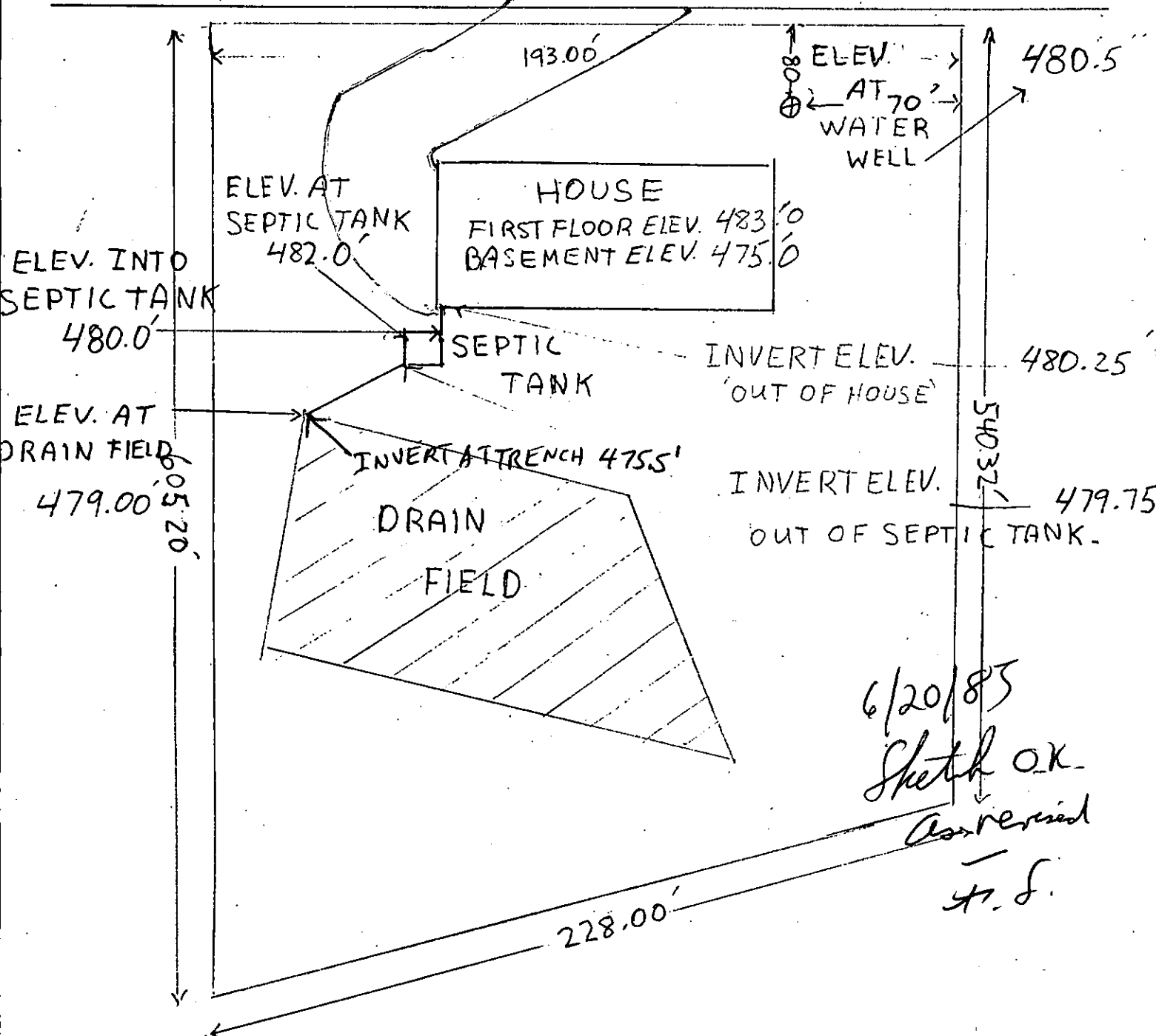
PUMP SET AT 280 TESTED BY BLANK



KALMIA FARMS

LOT # 9

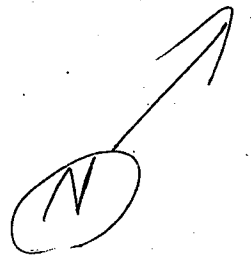
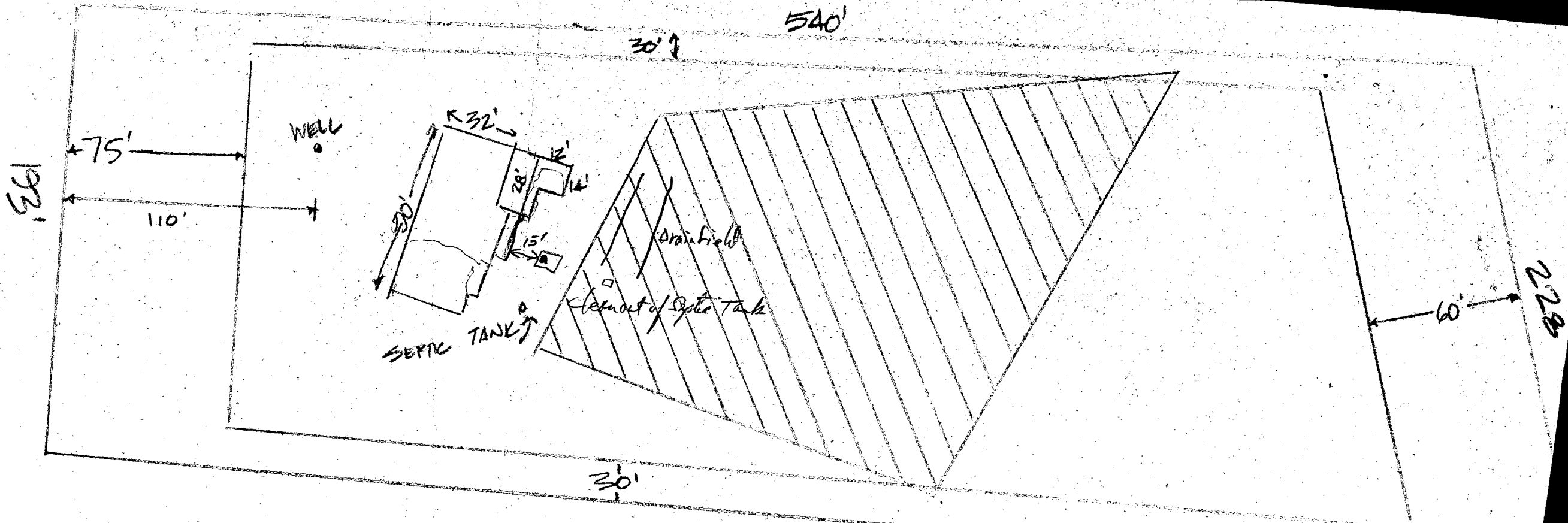
KALMIA DR.



6/20/85
 Sketch OK
 Approved
 J. S.

I CERTIFY ALL ABOVE MESUREMENTS AND
 ELEVATIONS ARE CORRECT FOR THIS PROPERTY

Resolution P. Ackerman



A 26357
 B00119348
 Sun Deck Extension
 5233 Kalmia Dr., Dayton MD
 Kalmia Farms lot 9 Sect 1
 Bldg addition not in conflict
 with well or septic. Recommend
 approval R/P 7/14/99