

WPE 8/20/84 - A.M. approved 8/28/84  
Stayer

8/23/84  
100  
3/12/85

# PERMIT

P 34196  
A 33110

SEWAGE DISPOSAL SYSTEM

MARYLAND STATE DEPARTMENT OF HEALTH\*

HOWARD COUNTY  
BUREAU OF ENVIRONMENTAL HEALTH  
992-2330

05-386675  
INDEX

ELLICOTT CITY  
DISTRICT 5th  
DATE 8/28/84

Robert L. Orndorff IS PERMITTED TO INSTALL  ALTER

ADDRESS 7469 Flamewood Drive, Clarksville, Md. 21029 PHONE 776-0444

SUBDIVISION Kalmia Farms ROAD 5232 Ilex Way LOT 19, Sec. 1

PROPERTY OWNER John Kopec

ADDRESS 3153 Emerald Valley Road, Ellicott City, Md. 21043

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

GARBAGE GRINDER? YES  NO  (per Mr. Orndorff)

SEPTIC TANK CAPACITY 2000 GALLONS NUMBER OF BEDROOMS 6 B.R. per Howard Thompson  
See approval plan

**TRENCHES - 158 sq. ft. per bedroom. Trench to be 2 ft. wide. Inlet 2 1/2 ft. below original grade. Bottom maximum depth 9 1/2 ft. below original grade. Effective area begins at 2 1/2 ft. below original grade. 7 feet of stone below distribution pipe. Start the first trench 85 ft. from the right side line and 200 ft. from the rear lot line. Continue to dig the trench on level ground running towards the left side of the lot. Start the second trench parallel to and 14 feet away from the first trench. These dimensions are accurate as seen when facing the lot from Ilex Way.**

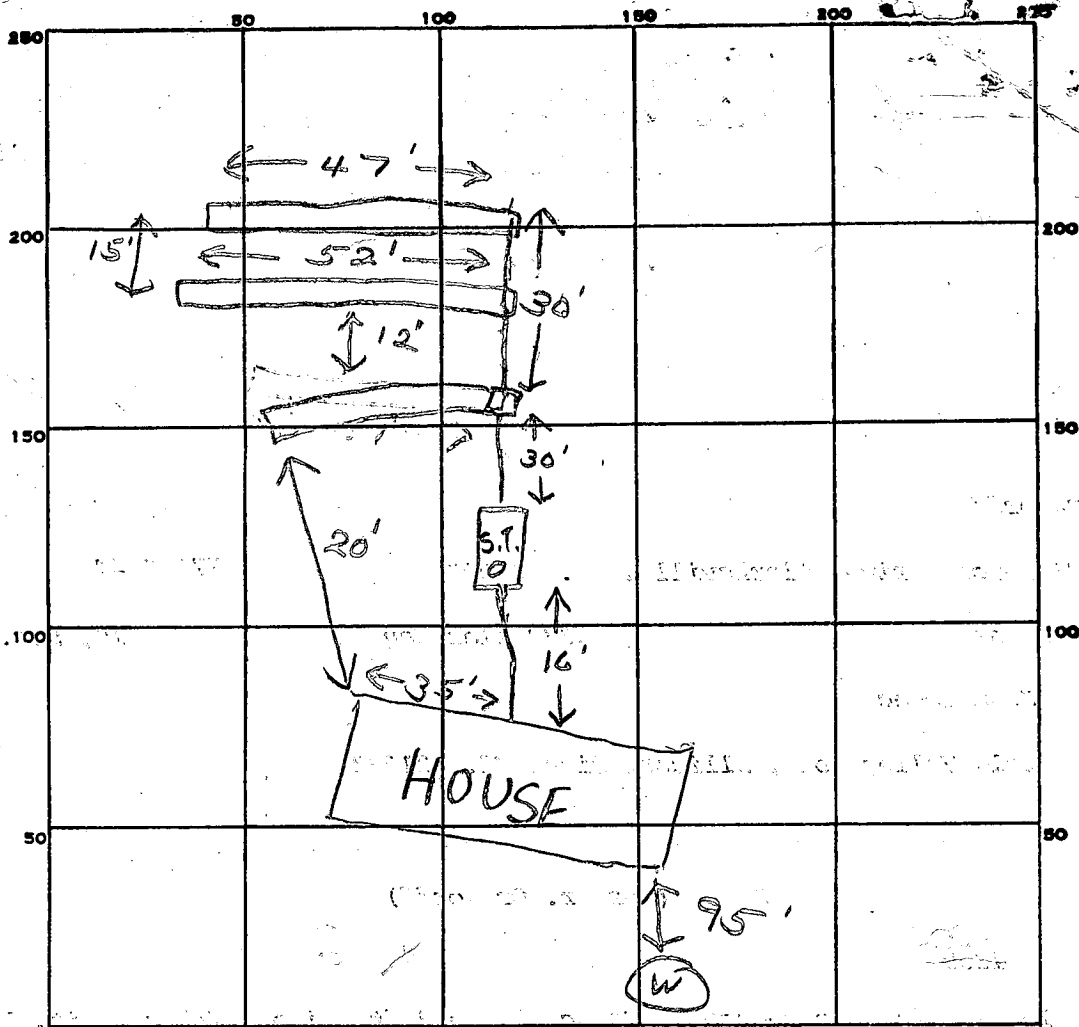
BLDG. PERMIT SIGNED  
AND RETURNED 5/26/92  
Serial # 9300 - PIA

PLANS APPROVED BY Frank Skinner and Craig Williams DATE 12/14/83 & 4/26/84

- 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 APPROVAL ON THIS PERMIT**

A-33110



158  
6  
948

INDICATE NORTH. - NAME ADJOINING ROADWAY AS BASE LINE.

Ilex way

PERMIT CARD

SEPTIC TANK, LEVEL

2000 gal

CLEANOUTS ST

DISTRIBUTION BOX, LEVEL

TILE FIELD, DEPTH 9 1/2 FT.

FT.

TRENCH WIDTH 2 FT.

FT.

GRAVEL DEPTH 7 IN.

7

IN.

TOTAL LENGTH 136 FT.

136

FT.

NUMBER OF TRENCHES 3

3

TOTAL BOTTOM AREA 952

952

136  
7  
952

SEEPAGE PITS, INSIDE DIAMETER \_\_\_\_\_ FT.

FT.

DEPTH BELOW INLET \_\_\_\_\_ FT.

FT.

ABSORBENT AREA 952 SQ. FT.

952

SQ. FT.

REMARKS

8/23/84 OK to add stone in trenches of

8/23/84 OK to cover all work of

DATE SYSTEM APPROVED

8/23/84

INSPECTOR

Stayer

# APPLICATION

SEWAGE DISPOSAL TESTING

STATE OF MARYLAND - DEPARTMENT OF HEALTH AND MENTAL HYGIENE

A 33110

P \_\_\_\_\_

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

DISTRICT 5th

DATE 9/7/83

retest  
9/14/83  
9:30

incl 2 1/2' → 8 1/2'  
⑤ 158 sq ft BR.

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 John Kopec  
ADDRESS 3/53 Emerald Valley Road  
Ellicott City, Md 21043 PHONE \_\_\_\_\_

PROPERTY LOCATION:  
SUBDIVISION Kalmia Farms LOT NO. 19, Section 1  
ROAD AND DESCRIPTION 5232 Alex Way

SIZE OF LOT 6.279 TYPE BLDG. 3 or 4 Bedrooms  
(NUMBER OF 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. I ALSO AGREE TO COMPLY WITH ALL M.O.S.H.A. REQUIREMENTS IN TESTING THIS LOT.

Judith A. Ketterman  
(SIGNATURE OF APPLICANT)  
APPROVED BY C. Williams FOR TRENCHES DATE 12-

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

HOLD PENDING FURTHER TESTS C. Williams DATE 9-14-83

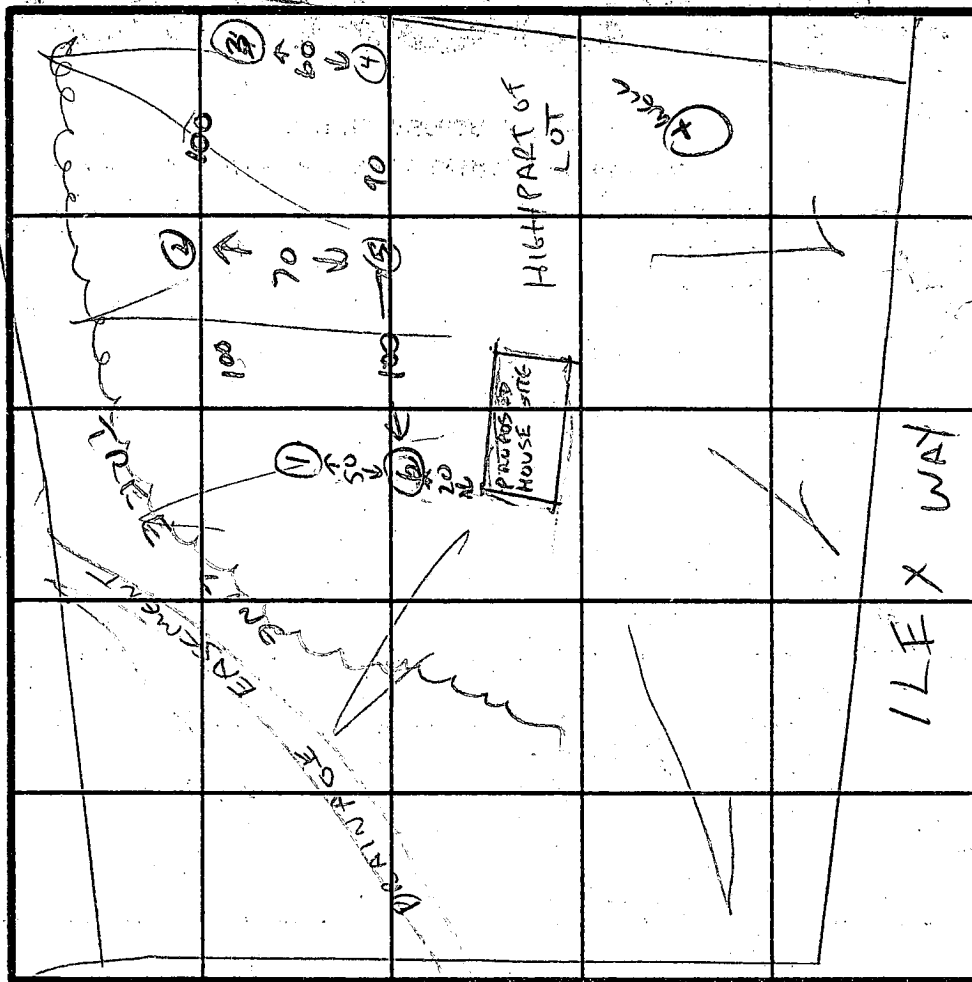
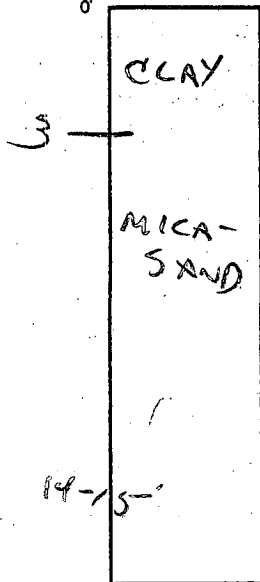
REASONS FOR REJECTION OR HOLDING NEED CERTIFIED LOCATIONS 9-14-83 C.W.

1/25/84 Discussed site plan w/ J. Bankard F.S. BLDG. PERMIT SIGNED  
AND RETURNED 9/24/84  
Serial # 58965

# THIS IS NOT A PERMIT

#1-2-

SOIL PROFILE



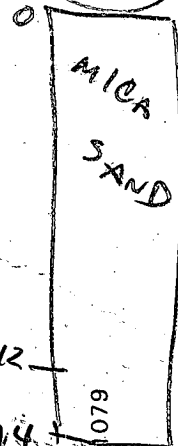
INDICATE NORTH, NAME ADJOINING ROADWAY AS BASE LINE.

KALMIA DR

#3 mostly SAND w/some SOFT CLAY-SHARS

6' Yellow Jackets

#4-5-6



DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME	
			START	STOP	START	STOP		
	1	3 10	1:18	1:20	1:20	1:22	2 MIN	
		15	MICA SAND					
			3' CLAY, THEN MICA SAND					
	2	3 10	1:30 1:30	1:32 1:32	1:32 1:32	1:34 1:34	2 MIN 2 MIN	
		14						
	3	6	YELLOW JACKETS					
			SAND w/SOME CLAY		DID NOT TEST			
	4	2 12	MICA SAND TOP TO BOTTOM		SMALL BITS WEATHERED		(STILL YELLOW JACKETS NOT TESTED)	
			HOLE 4 APPEARS TO BE AT SOUTHWEST CORNER OF OLD PERC AREA					
	5	2 9 (14V)	1:48 1:48	1:51 1:50	1:51 1:50	1:54 1:52	3 MIN 2 MIN	
	6	2 9 (13V)	2:02 2:02	2:04 2:04	2:04 2:04	2:06 2:06	2 MIN 2 MIN	

REMARKS DRAINAGE BASEMENT/STREAM IS 15+ FT LOWER THAN PERC AREA

TYPE OF SOIL MICA SAND BELOW 2' CLAY

TESTED BY *[Signature]*

ALSO PRESENT KETTERMANS

EH-12-0079

SUBDIVISION: Kalmia Farms, Sec. 1

LOT NUMBER: 19

DRY WELL OR DRY WELL AND TRENCH

	Septic Tank	_____ sq. ft./bedroom
		<u>Minimum Total square Feet</u>
3 bedroom	1000 gallon	_____
4 bedroom	1250 gallon	_____
5 bedroom	1500 gallon	_____

Inlet \_\_\_\_\_ feet below original grade.  
 Bottom maximum depth \_\_\_\_\_ feet below original grade.  
 Effective area begins at \_\_\_\_\_ feet below original grade.

NOTE: If trench is used to make up absorbent area, run the trench on level ground and leave a 5 foot earth buffer between dry well and trench. No trench is to exceed 100 feet in length. Trench inlet to be same as dry well, with \_\_\_\_\_ feet of stone below distribution pipe.

TRENCHES

158 sq. ft./bedroom

Trench to be 2 ft. wide.  
 Inlet 2 1/2 feet below original grade.  
 Bottom maximum depth 9 1/2 feet below original grade.  
 Effective area begins at 2 1/2 feet below original grade.  
7 feet of stone below distribution pipe.

- NOTE:
- (1) No trench to exceed 100 feet in length.
  - (2) If more than one trench used, a distribution box is required.
  - (3) Trenches to be installed on level ground.
  - (4) Call for inspection of trench before gravel is installed.
  - (5) Provide 6"-8" diameter cleanout and cap to grade or above on septic tank and drywell.
  - (6) If a Garbage disposal is used, increase septic tank capacity by 50% and increase absorbant sidewall area by 22%.

LOCATION: Start the first trench 85ft from the right side line and 200 ft. from the rear lot line. Continue to dig the trench on level ground running towards the left side of the lot. Start the second trench parallel to and 14 feet away from the first trench. These dimensions are accurate as seen when facing the lot from Tlex Way





# APPLICATION

A 26356

## SEWAGE DISPOSAL TESTING

STATE OF MARYLAND - DEPARTMENT OF HEALTH AND MENTAL HYGIENE

HOWARD COUNTY HEALTH DEPARTMENT  
ENVIRONMENTAL HEALTH SERVICES

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

Septic tanks { 1-3 Bedrooms 1000 gallons  
4 Bedrooms 1250 gallons

Dry well to have 125 sq. ft. DISTRICT effective

absorbent sidewall area per bedroom below inlet

inlet to be 3' below original grade and maximum

depth 10'. Location per engineer's plat: 220' in from

Deer Way and 100' from right property line when

facing lot from Deer Way.

Check  
hole  
location  
elevations of  
high hole  
TO: THE COUNTY HEALTH OFFICER  
5/18/83  
OK #2

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

PROPERTY OWNER John H. Koper

ADDRESS 3153 Emerald Valley Road PHONE Use for

Ellicott City, Md. 21043

PROPERTY LOCATION: KALMIA FARMS SEC. I. LOT NO. 19

Revised 10/24/78  
To be split up possibly  
Per area located to #20

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. Steaker FOR Dry Well DATE 2/13/79

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

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

REASONS FOR REJECTION OR HOLDING \_\_\_\_\_

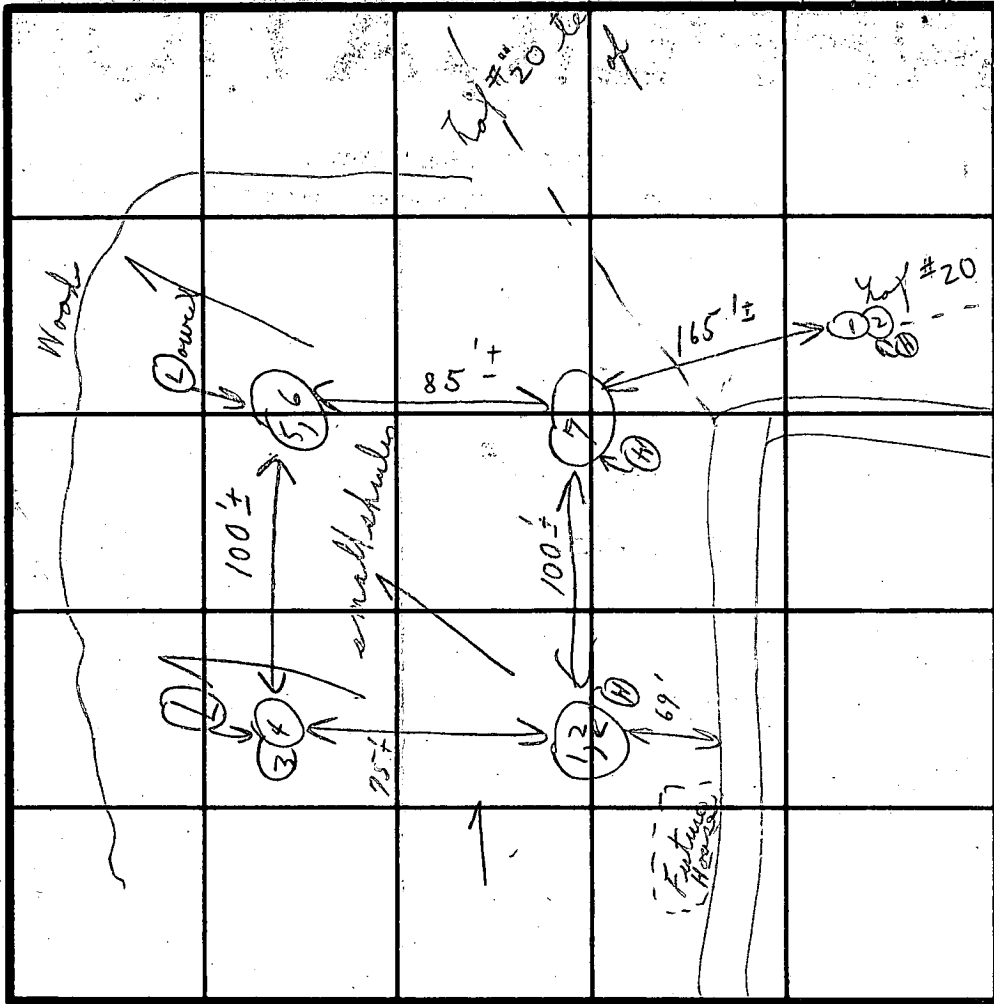
# THIS IS NOT A PERMIT

to 10/19/78

hole of New York field trunk

SOIL PROFILE

Below  
clay  
sandy  
loam



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
10/24/78	1	3'	1:50	1:52	1:52	1:54	2m
	(N) 2	12'	1:52	1:54	1:54	1:58	4m
	3	3'	2:01	2:03	2:03	2:06	3m
	(L) 4	12'	2:02	2:04	2:04	2:10	6m
	5	3'	2:12	2:14	2:14	2:17	3m
	(L) 6	13'	2:14	2:16	2:16	2:19	3m
	7	12'	Visual		{ 2 1/2" - 12' loam }		4m
						6	21

Field sheet

3'

4m

REMARKS

Tests in open area. This hole is closed to lot 20

TYPE OF SOIL

Hold for artificial holes

TESTED BY

C. B. P.

ALSO PRESENT

Debbie Dennis Mark

# APPLICATION

SEWAGE DISPOSAL TESTING

STATE OF MARYLAND - DEPARTMENT OF HEALTH AND MENTAL HYGIENE

A \_\_\_\_\_

P \_\_\_\_\_

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

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 \_\_\_\_\_

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

PROPERTY LOCATION:

SUBDIVISION KALMIA FARMS SEC. I. LOT NO. 19 of 11/20/78

ROAD AND DESCRIPTION \_\_\_\_\_  
*Per new Fortified from #20*

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 \_\_\_\_\_ FOR \_\_\_\_\_ DATE \_\_\_\_\_

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

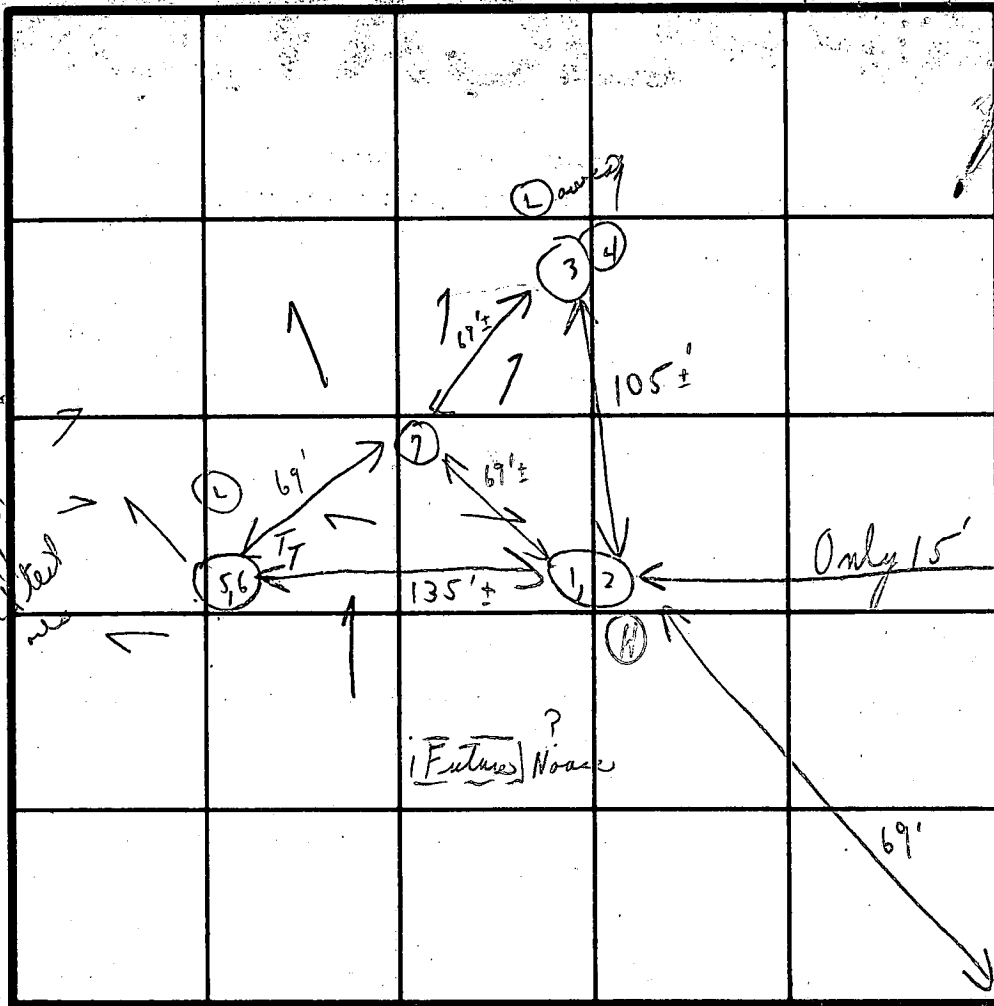
HOLD PENDING FURTHER TESTS \_\_\_\_\_ DATE \_\_\_\_\_

REASONS FOR REJECTION OR HOLDING 10/24/78 Need to see houses sites.  
C.B.E.

# THIS IS NOT A PERMIT

SOIL PROFILE

Below  
clay  
sandy  
loam



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

Road

Proposed  
Division  
line for #19  
road state

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
10/24/78	1	2'	2:33	2:35	2:35	2:37	2m
	Ⓜ 2	11 1/2'	2:32	2:34	2:34	2:36	2m
	3	3 1/2'	2:40	2:42	2:42	2:45	3m
	Ⓛ 4	12 1/2'	2:40	2:46	2:46	2:59	13m
	5	3'	3:03	3:04	3:04	3:05	1m
	6	12'	3:04	3:06	3:06	3:14	8m
	7	12'	2 1/2' 12'	sandy loam			

**VOID**

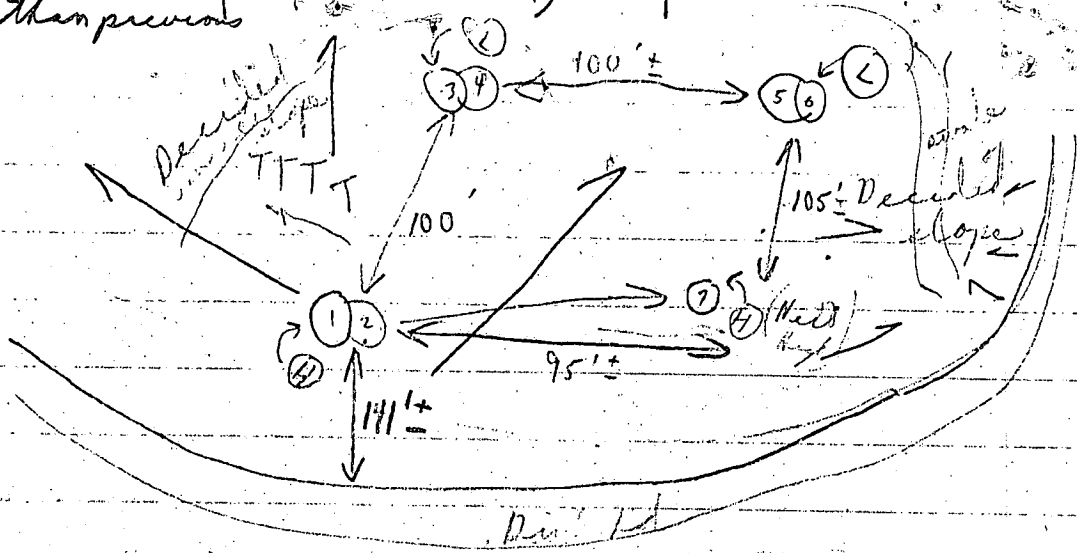
REMARKS: Hold for possible change in lot lines  
+ on Road Hold for 10,000 soft + house site  
Test in open Hold for supervisor

TYPE OF SOIL: \_\_\_\_\_  
TESTED BY: C. Bol ALSO PRESENT: Dennis Mink, Debbie of Boehl

#79 (Different area for than previous)

(Out this way Revised #10 #11)

Soil typical  
Below clay  
loamy



2/17/18	Depth	1 <sup>st</sup> run	2 <sup>nd</sup> run	3 <sup>rd</sup> run	Total
1	2'	3:22	3:24	3:28	4 in
2 (H)	2'	3:36	3:37	3:47	3 in
	Water at 1:12'				
3	2'	2:40	2:42	2:45	3 in
4 (L)	13 1/2'	2:40	2:43	2:55	12 in
5	3'	2:46	2:48	2:51	3 in
6 (F)	13'	2:46	2:54	3:16	22 in
7 (H)	12'	Vertical similar to other			

(Hold for P.M.)

2' difference between (3+4) + (1+2)  
4' difference between (5+6) + (1+2)

Area tested very few if any big trees some small brush  
Browder man beans

C B

2 of Fyork's men

Field Copy

# APPLICATION

A 26356

P \_\_\_\_\_

## SEWAGE DISPOSAL TESTING

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

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 KIMBURTHILL, INC.

ADDRESS 2901 Olney-Wandy Spring Rd PHONE 774-4500

PROPERTY LOCATION:

SUBDIVISION KALMITA FARMS LOT NO. New # 19

ROAD AND DESCRIPTION TRIADELPHIA MILL ROAD Redesignated perc ave

SIZE OF LOT 3 acres m/l. TYPE BLDG. \_\_\_\_\_  
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 \_\_\_\_\_ FOR \_\_\_\_\_ DATE \_\_\_\_\_  
(KIND OF SYSTEM)

REJECTED BY \_\_\_\_\_ FOR \_\_\_\_\_ DATE \_\_\_\_\_  
(KIND OF SYSTEM)

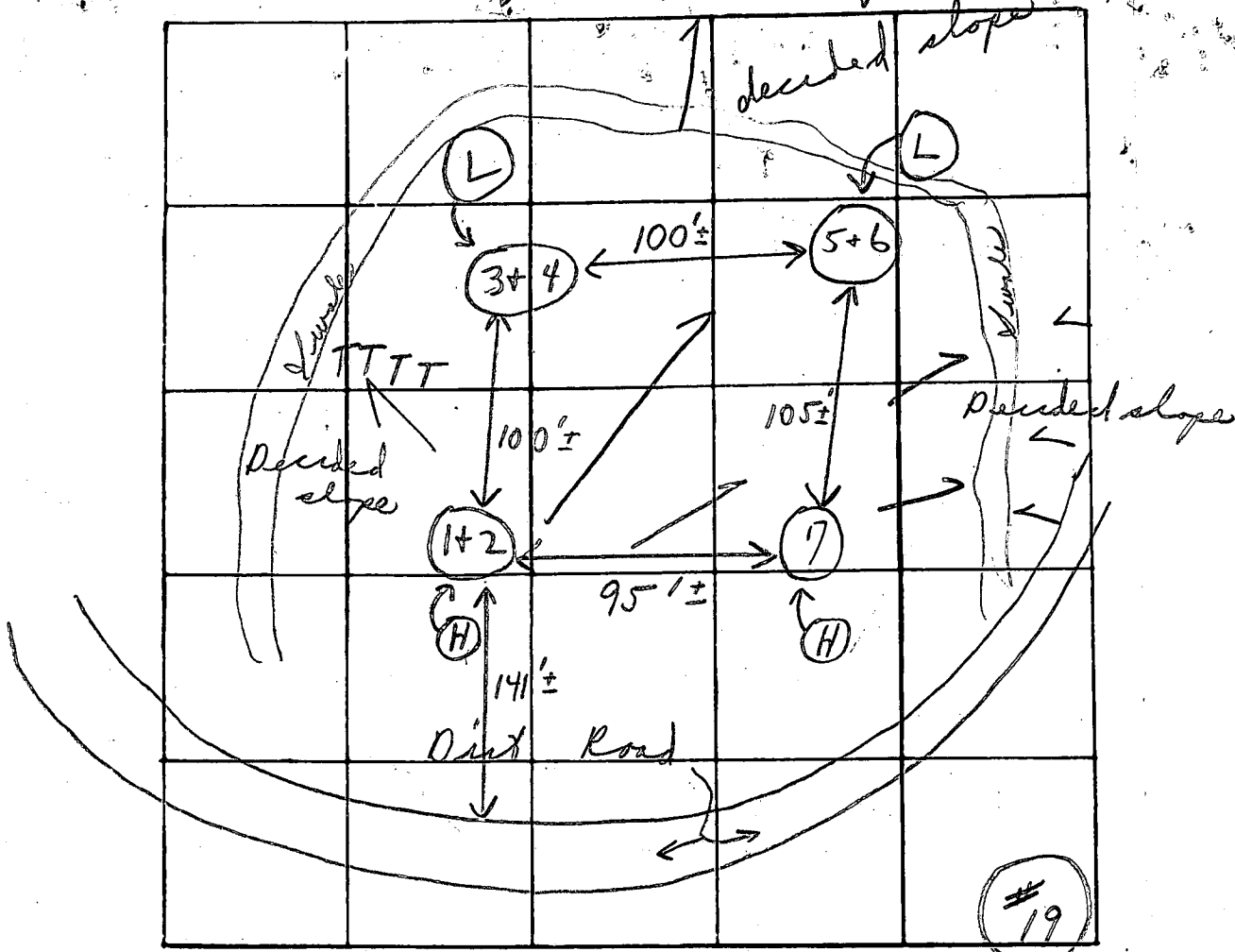
HOLD PENDING FURTHER TESTS \_\_\_\_\_ DATE \_\_\_\_\_

REASONS FOR REJECTION OR HOLDING \_\_\_\_\_

3/7/78 Office - no samples for file. Hold for certified holes  
C.B. S.

# THIS IS NOT A PERMIT

(Revised #10<sup>#</sup> over in this area)



INDICATE NORTH. - NAME ADJOINING ROADWAY AS BASE LINE

Soil Profile

	DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME	
				START	STOP	START	STOP		
Below snow	2/17/78	1	2'	3:22	3:24	3:24	3:28	4 min	
↓ clay		(H) 2 <sup>B</sup>	9'	3:36	3:39	3:39	3:44	5 min	
			Water at 12'				X X	X	
		3	2'	2:40	2:42	2:42	2:45	3 min	
		(L) 4	13 1/2'	2:40	2:43	2:43	2:55	12 min	
sandy loam		5	3'	2:46	2:48	2:48	2:51	3 min	
		(L) 6	13'	2:46	2:54	2:54	3:16	22 min	
		(H) 7	12'	Visual similar to others					
								649	

Hold for P.W.M

Soil 2'

9 min any

REMARKS T = trees Un area - tested was few if any big trees. some small black

TYPE OF SOIL

TESTED BY C. B. S.

ALSO PRESENT: 2 of Fooks men

Remain of Boender

2/11/77

Old #19

Fyocke Smith  
+ Higgins  
C.B.D.

Soil Profile	Tests	Depth	1 <sup>st</sup> inch	2 <sup>nd</sup> inch	Find	Total	
Sandy loam below	① 1	5 1/2'	11:06	11:13	11:22	1m	
	2	12 1/2'	11:06	11:10	11:20	10m	total 4'
	3	4'	11:08	11:11	11:15	4m	good soil
	② 4	13'	11:08	11:11	11:16	5m	5 1/2'
	5	3'	11:21	11:24	11:28	4m	
	③ 6	13'	11:21	11:24	11:29	5m	
	④ 7		12' sandy loam				637

{ see <sup>original</sup> plots C.B.D. for approximate site location }

Field sheet

B 1 5037

SEQUENCE NO. (OEP USE ONLY) 3 hrs - pump test 7/15/83 8:00 AM

STATE OF MARYLAND PERMIT TO DRILL WELL please print or type

OEP PERMIT NUMBER

HO-81-0121 fill in this form completely

Date Received 8:30 AM GROUT 7/15/83

OWNER INFORMATION KOPEC JOHN D 3153 EMERALD VALLEY DR ENLICKOFF CITY MD 21043

LOCATION OF WELL HOWARD 8 COUNTY KALMIA FARMS 23 SUBDIVISION SECTION 1 LOT 19 DANTON 52 NEAREST TOWN MILES FROM TOWN 2 MI

DRILLER INFORMATION GEORGE F. EASTERDAY U.F. EASTERDAY, INC. 265 BROWN CHURCH RD. MT. AIRY MD. 21771 5/10/83

B 4 TRIDELPHIA MILL NEAR WHAT ROAD ON WHICH SIDE OF ROAD 2300 DISTANCE FROM ROAD ENTER FT or MI

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 COUNTY NAME A 26356 COUNTY NO. OEP SIGNATURE DATE ISSUED 060283 Frank Skinner 12/2/83 CO SIGNATURE EXP. DATE NORTH GRID 505000 EAST GRID 0795000

APPROXIMATE DEPTH OF WELL 200 FEET

APPROXIMATE DIAMETER OF WELL NEAREST 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 790.5 500.5

REPLACEMENT OR DEEPEINED 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 DEEPEIN AN EXISTING WELL PERMIT NUMBER OF WELL TO BE REPLACED OR DEEPEINED (IF AVAILABLE)

DRAW A SKETCH BELOW SHOWING LOCATION OF WELL IN RELATION TO NEARBY TOWNS AND ROADS AND GIVE DISTANCE FROM WELL TO NEAREST ROAD JUNCTION HOWARD TRIDELPHIA MILL RD GREEN BEES ROAD WEL 3,700'

Not to be filled in by driller (OEP USE ONLY) APPROP. PERMIT NUMBER GAP FORCE FS PERMIT No. HO-81-0121

SPECIAL CONDITIONS



C1 0712 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 A26356

DATE RECEIVED DATE WELL COMPLETED 072083

Depth of Well 180 (TO NEAREST FOOT)

PERMIT NO. FROM "PERMIT TO DRILL WELL" 40-81-0121

OWNER Kopec John D. STREET OR RFD Ilex way @ Kalmia Drive TOWN Dayton SUBDIVISION Kalmia Farms SECTION 1 LOT 19

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 (Use additional sheets if needed), FEET (FROM, TO), Check if water bearing. Rows include Topsoil, Brown mica, Gray mica, Lt. Br. mica, Gray mica, mica schist, Lt. Br. mica, mica schist.

GROUTING RECORD WELL HAS BEEN GROUTED (Circle Appropriate Box) TYPE OF GROUTING MATERIAL CEMENT CM BENTONITE CLAY BC NO. OF BAGS 10 NO. OF POUNDS 1000 GALLONS OF WATER 55 DEPTH OF GROUT SEAL (to nearest foot) from 0 ft. to 33 ft.

CASING RECORD MAIN Nominal diameter Total depth CASING top (main) casing of main casing TYPE (nearest inch) (nearest foot) ST 6 42

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

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

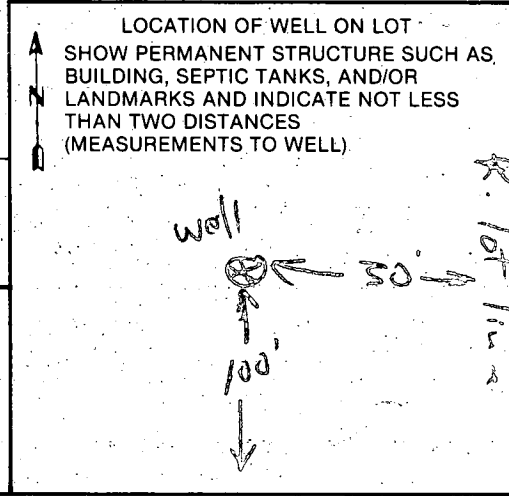
DEPTH (nearest ft.) HO 70 180 SLOT SIZE 1 2 3 DIAMETER OF SCREEN (NEAREST INCH) from to

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

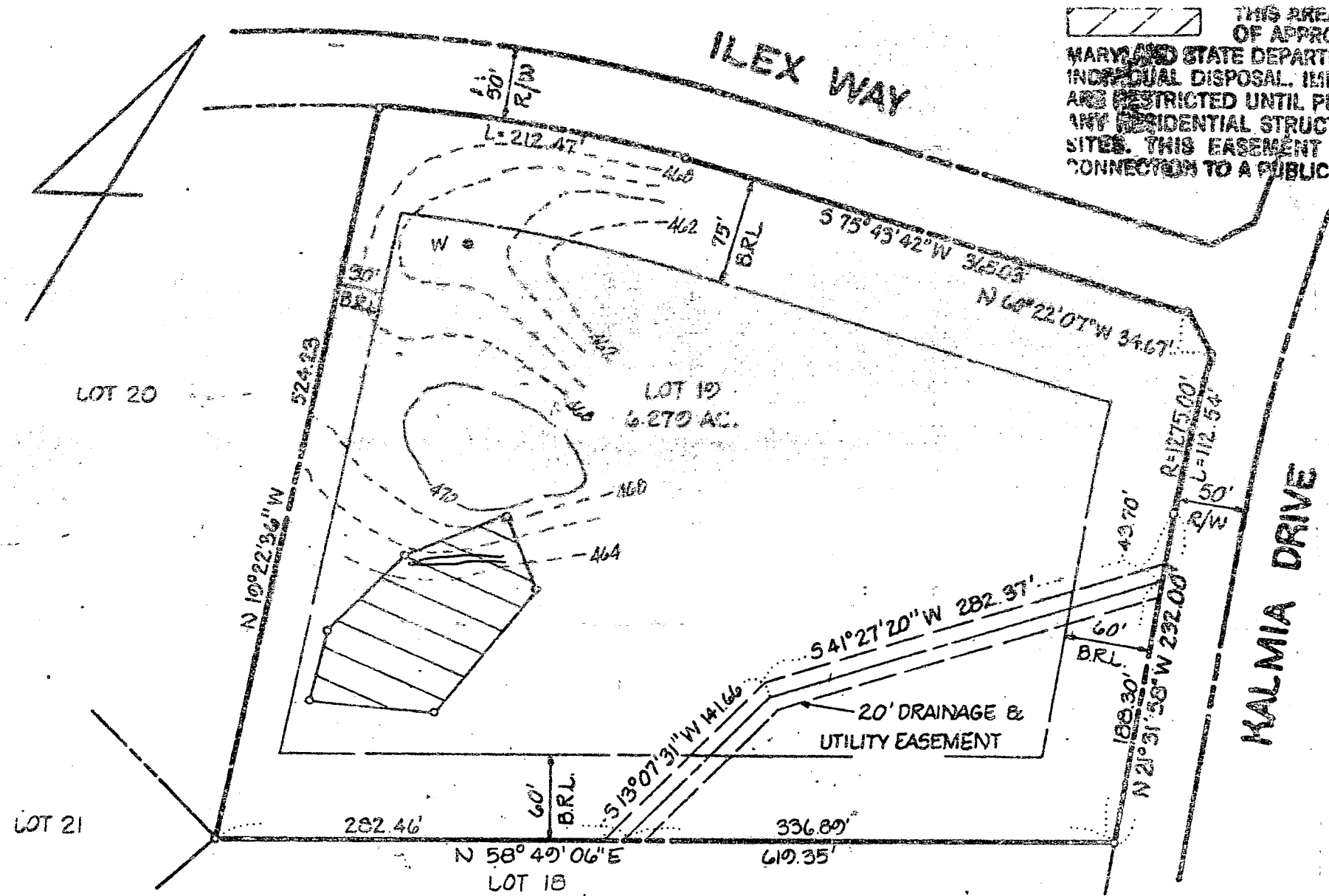
PUMPING TEST HOURS PUMPED (nearest hour) 3 PUMPING RATE (gal. per min. to nearest gal.) 8 METHOD USED TO MEASURE PUMPING RATE Bucket WATER LEVEL (distance from land surface) BEFORE PUMPING 15 WHEN PUMPING 33 TYPE OF PUMP USED (for test) A air P piston T turbine C centrifugal R rotary O other (describe below) J jet S submersible

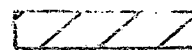
PUMP INSTALLED DRILLER WILL INSTALL PUMP YES (NO) IF DRILLER INSTALLS PUMP, THIS SECTION MUST BE COMPLETED FOR ALL WELLS EXCEPT HOME USE TYPE OF PUMP INSTALLED PLACE (A,C,J,P,R,S,T,O) IN BOX - SEE ABOVE: CAPACITY: GALLONS PER MINUTE (to nearest gallon) PUMP HORSE POWER PUMP COLUMN LENGTH (nearest ft.) 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. DRILLERS IDENT. NO. 140. DRILLERS SIGNATURE George J. Stuchlik. SITE SUPERVISOR (sign. of driller or journeyman responsible for sitework if different from permittee) Wendy K. Bergant





 THIS AREA INDICATES A PRIVATE SEWAGE EASEMENT OF APPROXIMATELY 10,000 SQ. FT. AS REQUIRED BY MARYLAND STATE DEPARTMENT OF HEALTH AND MENTAL HYGIENE FOR INDIVIDUAL DISPOSAL. IMPROVEMENTS OF ANY NATURE IN THIS AREA ARE RESTRICTED UNTIL PUBLIC SEWAGE IS AVAILABLE AND SETBACKS ANY RESIDENTIAL STRUCTURES CONSTRUCTED ON THESE BUILDING SITES. THIS EASEMENT SHALL BECOME NULL AND VOID UPON CONNECTION TO A PUBLIC SEWAGE SYSTEM.

THE LOTS SHOWN HEREON COMPLY WITH THE MINIMUM OWNERSHIP WIDTH AND LOT AREAS AS REQUIRED BY THE MARYLAND STATE DEPARTMENT OF HEALTH AND MENTAL HYGIENE.

NOTE: PERCOLATION TEST HOLES SHOWN HEREON HAVE BEEN FIELD LOCATED

APPROVED: FOR PRIVATE WATER AND PRIVATE SEWAGE SYSTEMS.  
 HOWARD COUNTY HEALTH DEPARTMENT

COUNTY HEALTH OFFICER *RS*, DATE

TITLE <b>PERC CERTIFICATION PLAT</b>		DATE: JULY, 1983	<b>boender associates</b> SUITE 102-107 TOWN & COUNTRY PROFESSIONAL BUILDING ELLICOTT CITY, MARYLAND 21043 301-465-7777	engineers surveyors planners
PROJECT <b>KALMIA FARMS - SECT. I, LOT 19</b>		SCALE: 1" = 100'		
LOCATION 5TH ELECTION DISTRICT HOWARD COUNTY, MD.	JOB NO.: <b>83130</b>	DRAWN BY:		

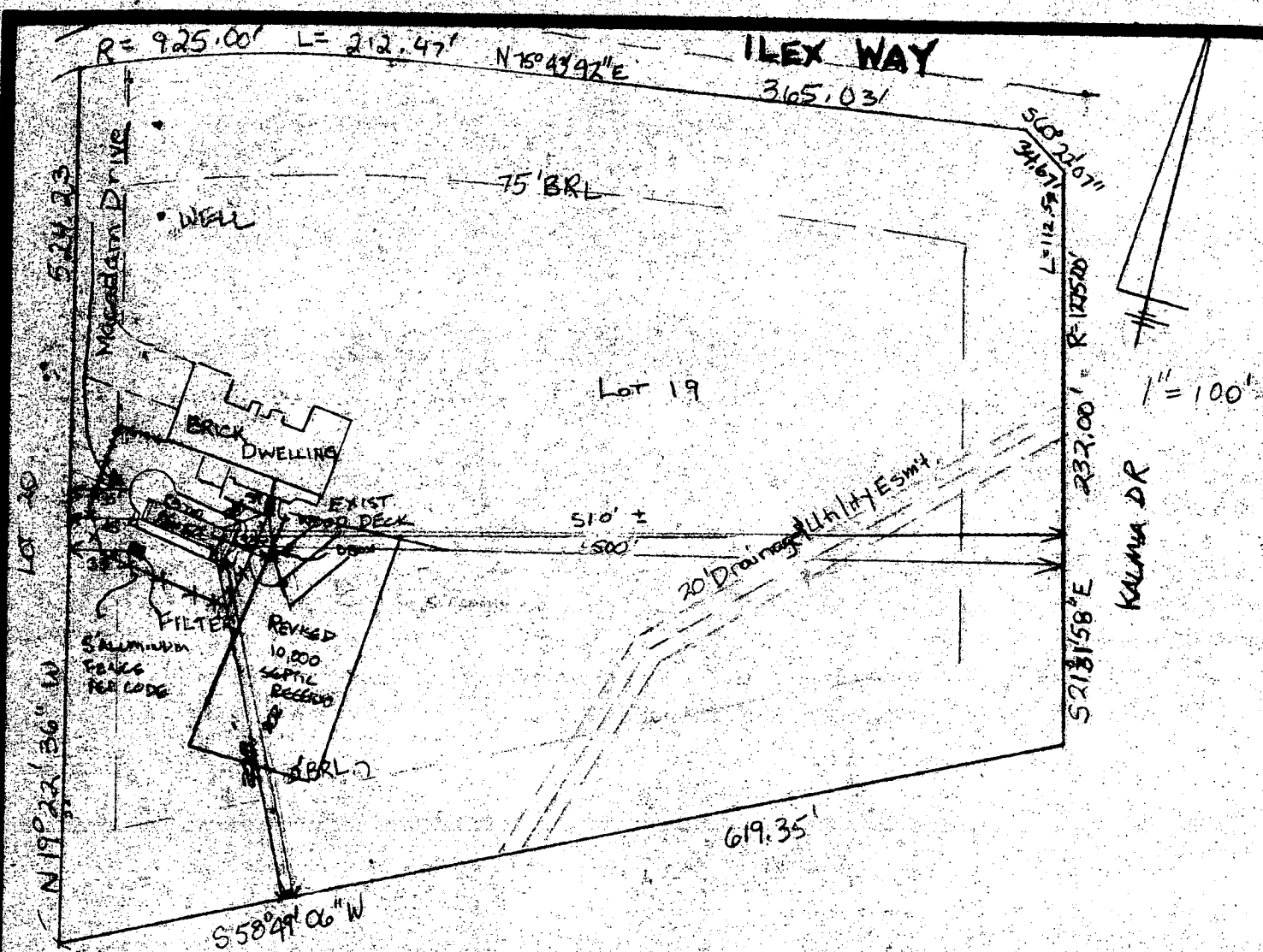


PHOTO PLAN  
 # 5232 ILEX WAY, LOT 19  
 "KALMIA FARMS, SECTION 1"  
 HOWARD COUNTY, MD

ANTHONIA  
 \* DIAMOND