

05-391822

PERMIT

SEWAGE DISPOSAL SYSTEM

MARYLAND STATE DEPARTMENT OF HEALTH

DISTRICT 5th

HOWARD COUNTY
BUREAU OF ENVIRONMENTAL HEALTH
461-9933

DATE 4/3/87

DATE SYSTEM APPROVED 7-17-87

INDEXED

INSPECTOR JEN

South Carroll Backhoe, Inc. IS PERMITTED TO INSTALL ALTER

ADDRESS 4410 Salem Bottom Road, Westminster, Maryland PHONE 875-4197

SUBDIVISION Kalmia Farm ROAD 14752 Betula Way LOT 6, Section II

PROPERTY OWNER Earl Bageant Lionel Menard

ADDRESS _____

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

GARBAGE GRINDER? YES _____ NO

SEPTIC TANK CAPACITY 1500 GALLONS NUMBER OF BEDROOMS 5

based on septic installer's bid information

DRY WELL AND TRENCH - 170 sq. ft. per bedroom. Inlet 4 feet below original grade. Bottom maximum depth 8 1/2 feet below original grade. Effective area begins at 4 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 4 1/2 feet of stone below distribution pipe.

LOCATION - Place the center of the dry well 30 feet from the rear (385') lot line and 165 feet from the left lot line as seen when facing the property from Betula Way. Add required length of trenches along contour - no closer than 10 feet to edge of dry well.

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 C. Williams DATE 4/23/87

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.

BLDG. PERMIT SIGNED
AND RETURNED 3/16/85
Serial # 57504

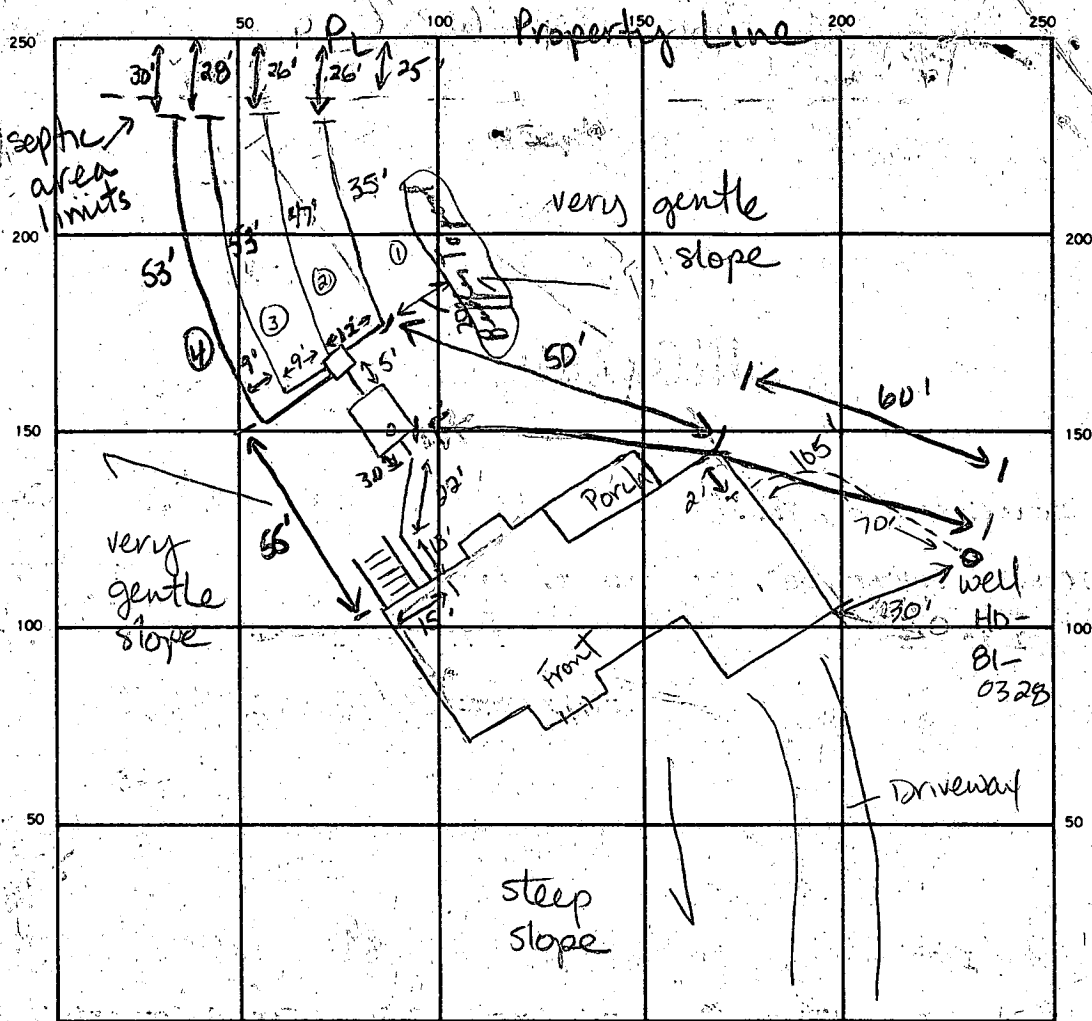
***INSTALLER IS RESPONSIBLE FOR OBTAINING FINAL APPROVAL ON THIS PERMIT**

*CALL 461-9933 FOR INSPECTION OF SEPTIC SYSTEMS.

EH - 2-1186

7-17-87
am
3:30 pm
3/16
P2P

A 216544



WPI
7-17-87
Rtless. at 54 in
below grade.
Grounded to
casing, house
connection ok.
JE Nadeau

INDICATE NORTH — NAME ADJOINING ROADWAY AS BASE LINE.

Betula Way

SEPTIC TANK LEVEL 1500 gal CLEANOUTS one ST. ✓

DISTRIBUTION BOX LEVEL OK

DRAIN FIELD/TILE FIELD DEPTH 8.5 8.5 8.5 9.0 TRENCH WIDTH 2 FT. INLET DEPTH 4.6 4.6 4.0 4.0

EFFECTIVE GRAVEL DEPTH 4.5 4.5 4.5 5.0 FT. TOTAL LENGTH 35 47 53 53 FT.

NUMBER OF TRENCHES 4 ONE SIDEWALL BOTTOM AREA 157.5 211.5 238.5 265 SQ. FT.

DRYWELL INSIDE DIAMETER _____ FT. EFFECTIVE DEPTH BELOW INLET _____ FT.

ABSORBENT AREA 872.5 SQ. FT.

REMARKS 7-16-87 septic tank cleanout ok, make sure trenches run on contour, 25 ft minimum of back property line. JEN 7-16-87 slight relief 70° bedding to supralite at 7.0 feet, some fractured schist pieces in trench ①. OK to add stone, pipe & paper to trench ① JEN. 7-17-87 OK to cover ①, add stone, pipe, paper to ② & ③, slight bedding apparent in beginning of ③, some large rock fragments removed. 7-17-87 OK to add stone, pipe to trench ④ and cover all work

DATE SYSTEM APPROVED 7-17-87 INSPECTOR Jane E. Nadeau

APPLICATION

A 26344

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

DISTRICT 5th

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 Kimbardhill, Inc., +/a Kalmia Farms Nursery
ADDRESS 2901 Olney-Gandy Spring Rd, Olney, Md. PHONE 924-3668

PROPERTY LOCATION:
SUBDIVISION KALMIA FARMS SECTION 2 LOT NO. Final # 6
ROAD AND DESCRIPTION Tridelpia Mill Road

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 Raymond Hodges FOR Trench DATE 8/22/83

REJECTED BY _____ FOR _____ DATE _____

HOLD PENDING FURTHER TESTS _____ DATE _____

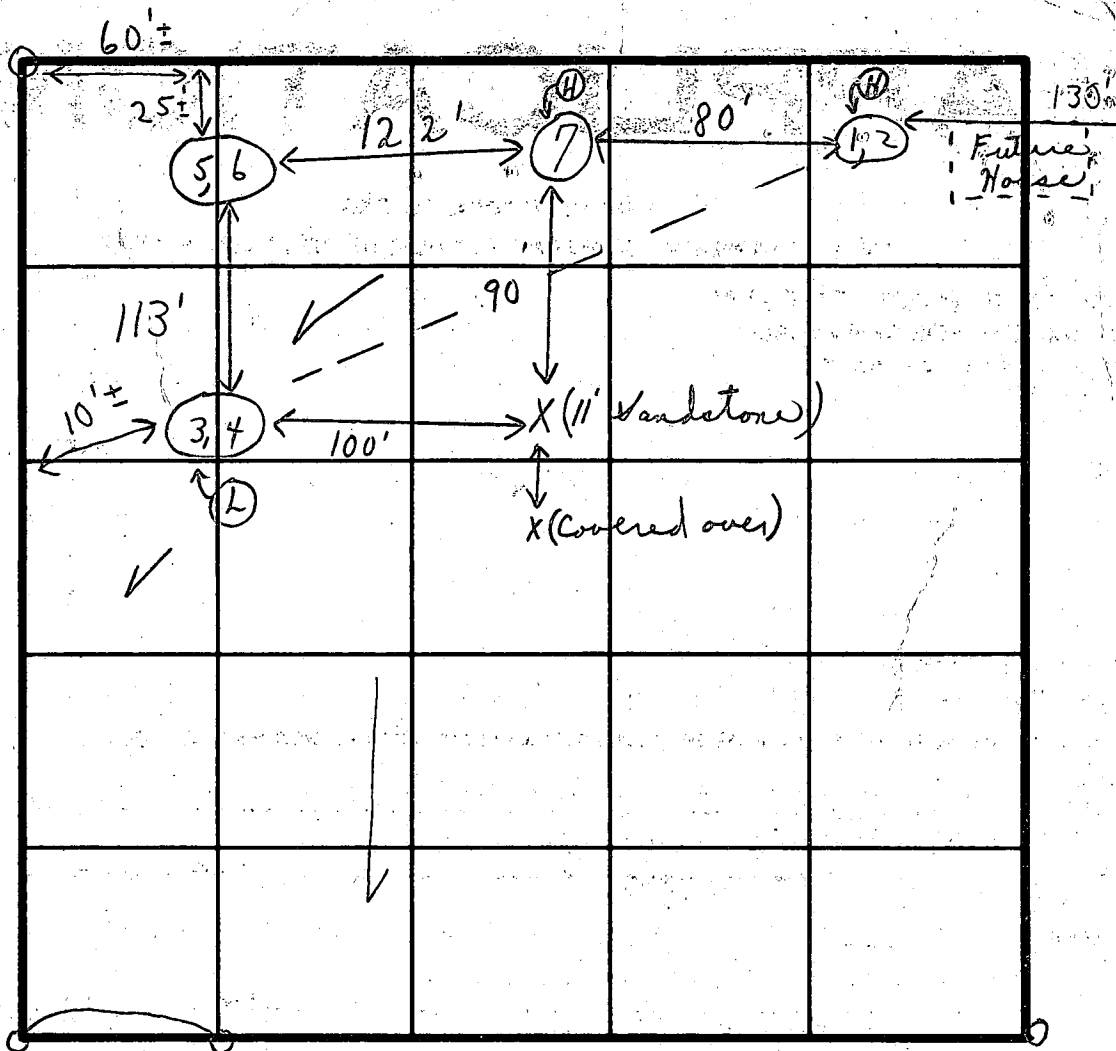
REASONS FOR REJECTION OR HOLDING 3/19/80 Reaccomplished @ office
6/22/83 Specs written BH C.B.E

THIS IS NOT A PERMIT

6
SEC. 2

SOIL PROFILE

Below
clay
Sandy
loam
↓



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

Road D

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1' DROP		TIME
			START	STOP	START	STOP	
10/26/98	1	5'	2:51	2:52	2:52	2:54	2 min
	2	12 1/2'	2:48	2:50	2:50	2:53	3 min
	3	5'	2:27	2:28	2:28	2:31	3 min
	④ 4	12'	2:28	2:29	2:29	2:32	3 min
	5	4'	2:34	2:36	2:36	2:39	3 min
	⑤ 6	12'	2:34	2:35	2:35	2:37	2 min
	7	11'	Visual		similar to others		3 min.
						6	16

Inlet
4'
Good
ground
5'

3 min.

REMARKS

TYPE OF SOIL

TESTED BY

J. S. + C. B. S

ALSO PRESENT

{ D. Mink }
+ J. Boender

0844 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 **A26344**

DATE Received: [] [] [] [] [] [] DATE WELL COMPLETED: **121483** (15 20)
 Depth of Well: **200** (22 26) (TO NEAREST FOOT)
 PERMIT NO. FROM "PERMIT TO DRILL WELL": **H0-81-0328** (28 37)

OWNER: **Lovelace Joan** (last name first name)
 STREET OR RFD: **Betula Way** TOWN: **Dayton**
 SUBDIVISION: **Kalmia Farms** SECTION: **2** LOT: **6**

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	4	
SHALEY	4	10	
SANDSTONE	10	30	
MICA	30	35	
SANDSTONE	35	40	✓
MICA	40	100	
MICA & QUARTZ	100	105	✓
MICA	105	130	
FLINT	130	135	✓
MICA	135	165	
SANDSTONE & QUARTZ	165	168	✓
MICA	168	200	

GROUTING RECORD
 WELL HAS BEEN GROUTED (Circle Appropriate Box) **Y** **N**
 TYPE OF GROUTING MATERIAL
 CEMENT **CM** BENTONITE CLAY **BC**
 NO. OF BAGS **4** NO. OF POUNDS **600**
 GALLONS OF WATER **34**
 DEPTH OF GROUT SEAL (to nearest foot)
 from **0** ft. to **29** ft. (enter 0 if from surface)

CASING RECORD
 casing types insert appropriate code below
ST CO STEEL CONCRETE
PL OT PLASTIC OTHER
 MAIN CASING TYPE: **ST** Nominal diameter: **6** Total depth of main casing (nearest foot): **32**

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.)
 EACH SCREEN: **H0** **30** **200**
 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

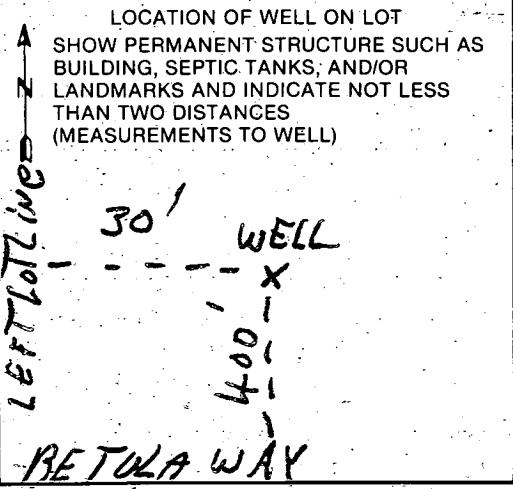
C 3
PUMPING TEST
 HOURS PUMPED (nearest hour) **3**
 PUMPING RATE (gal. per min. to nearest gal.) **7**
 METHOD USED TO MEASURE PUMPING RATE: **Bucket**
 WATER LEVEL (distance from land surface) BEFORE PUMPING: **61** WHEN PUMPING: **121**
 TYPE OF PUMP USED (for test): **A** air, **P** piston, **T** 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, below
 LAND SURFACE (nearest foot): **2**

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**
 DRILLERS SIGNATURE: *George L. ...*
 SITE SUPERVISOR (sign. of driller or journeyman responsible for sitework if different from permittee): *Charles R. ...*



Review 1/5/84 OK J.S.

FIELD DATA SHEET
HOWARD COUNTY WELL YIELD TEST

7:00
2/14/83

Well Permit No. HO - 81-0328
Location of property (road) Betula Way
Subdivision Kalmia Farms Lot 6 Block Plat Sec. 2
Well Driller George F. Eastday Owner Joan Lovelace

Depth of well 20 66PM
Distance of measuring point (M.P.) above ground 30'
Static water level (S.W.L.) below M.P. 61'

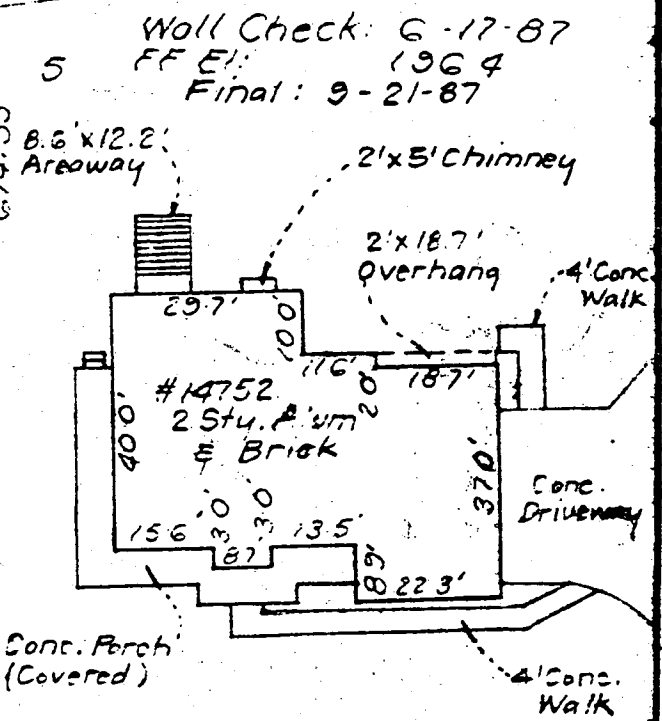
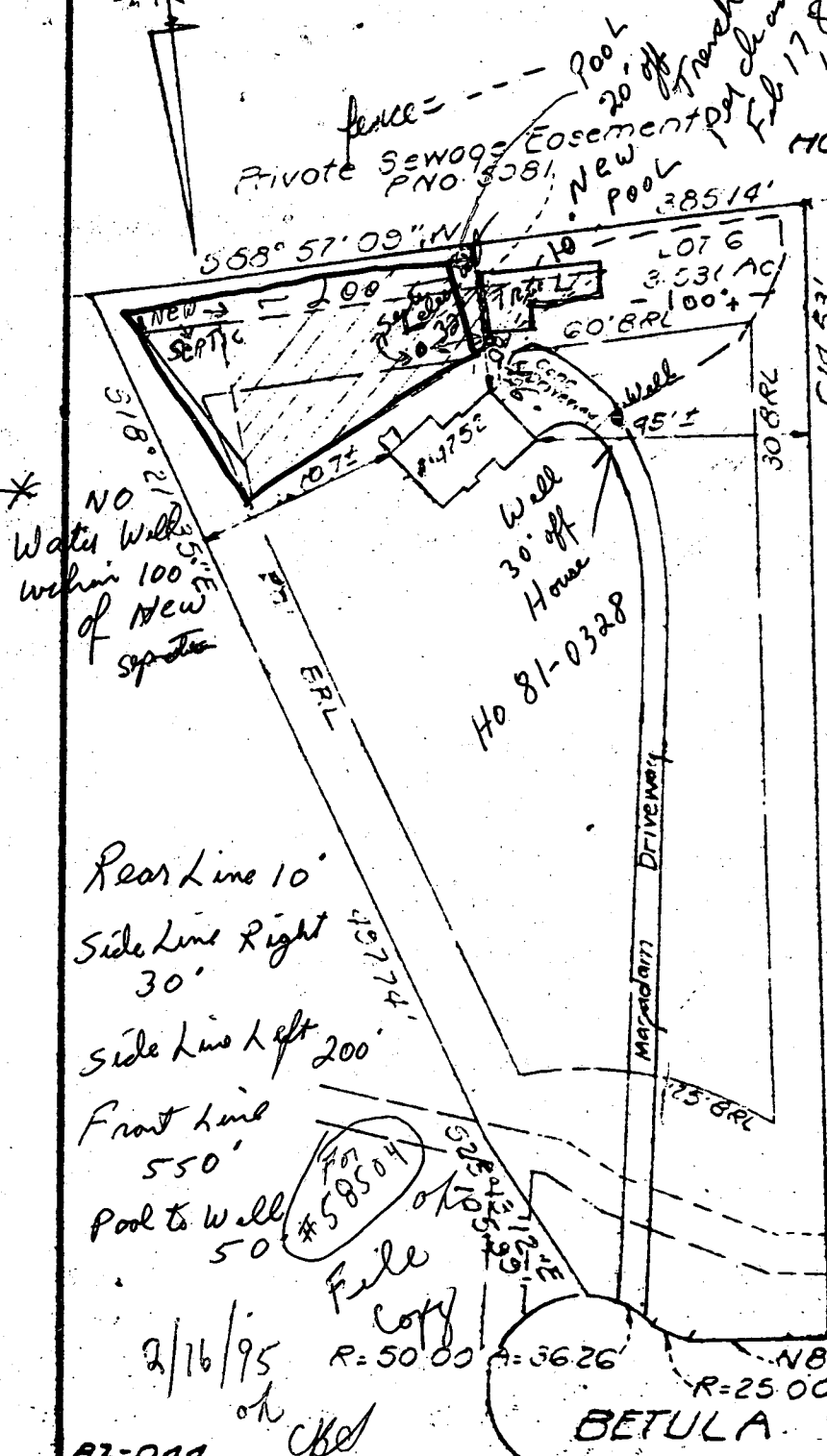
I. High rate pumping -- reservoir drawdown
Time pump started 7:10 Pumping rate 10.6 G.P.M.
Total time 20 min to reach pumping water level ft. below M.P.

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 5 gallon bucket	FLOW METER READING (if used)	CALCULATED FLOW (gallons per minute)
7:30	120' 8"	10 sec		10.6 G.P.M.
7:45	114'	10 sec		6.6 G.P.M.
8:00	117' 8"	8 sec		7.6 G.P.M.
8:15	118' 11"	9 sec		6.5 G.P.M.
8:30	118' 3"	9 sec		6.5 G.P.M.
8:45	118' 8"	9 sec		6.5 G.P.M.
9:00	119' 9"	9 sec		6.5 G.P.M.
9:15	119' 9"	9 sec		6.5 G.P.M.
9:30	119' 8"	9 sec		6.5 G.P.M.
9:45	120'	9 sec		6.5 G.P.M.
10:00	120'	9 sec		6.5 G.P.M.
10:15	120' 5"	9 sec		6.5 G.P.M.
10:30	121'	9 sec	Blank	6.5 G.P.M.

NOTE: No Portion of this lot lies within the 100 Year Flood Plain.

LOCATION OF HOUSE
14752 BETULA WAY
LOT 6
KALMIA FARMS
SECTION 2
5TH ELECTION DISTRICT
HOWARD COUNTY, MARYLAND



SCALE: 1" = 30'

I certify the above statements & measurements are correct to my knowledge for this property.
F. J. Stencil
2/16/95

20' Drainage & Utility Easement PNo. 5083

BETULA WAY
N 84° 35' 52" W - 787.8'
R = 25.00' A = 2103'
N 05° 20' 08" E
Serial No. 11695

SURVEYOR'S CERTIFICATE OF MARYLAND
I hereby certify that the position of all improvements on the above described property have been carefully established by a brass-tape survey and that unless otherwise shown, there are no other improvements on the property.
F. J. Stencil
2/16/95

CLARK • FINEFROCK & BACKETT
ENGINEERS • PLANNERS • SURVEYORS
7135 MINSTREL WAY • COLUMBIA, MD 21048
(301)381-7500 • BALTO. • (301)621-8100 • WASH.

REFERENCE	DRAWN BY SNP	CHECKED BY KNC
Plat 5083	DATE 9-22-87	FILE NO. G933-A
	SCALE 1" = 100'	

