

10/24/94  
2-2-30

# PERMIT

## SEWAGE DISPOSAL SYSTEM

### DEPARTMENT OF HEALTH AND MENTAL HYGIENE

P 50315A

A 31469

DISTRICT 3rd

DATE 10/7/94

DATE SYSTEM APPROVED 10/24/94

INSPECTOR BKS

03-283466

INDEXED

#### HOWARD COUNTY HEALTH DEPARTMENT

BUREAU OF ENVIRONMENTAL HEALTH

~~XXXXXXXX~~ 313-2640

South Carroll Backhoe, Inc. IS PERMITTED TO INSTALL  ALTER

ADDRESS 4410 Salem Bottom Road, Westminster, Maryland 21157 PHONE 875-4197

SUBDIVISION Kings Gift LOT 12 ROAD 11772 Frederick Road  
*11617 NORWICH LANE*

PROPERTY OWNER Pam and Joe Ceier

ADDRESS \_\_\_\_\_

SEPTIC TANK CAPACITY 1250 GALLONS

NUMBER OF BEDROOMS 4

180 SQUARE FEET PER BEDROOM

LINEAR FEET OF TRENCH REQUIRED 240

TRENCHES - Trench to be 3 feet wide. Inlet 3 feet below original grade. Bottom maximum depth 5 feet below original grade. Effective area begins at 3 feet below original grade. 2 feet of stone below distribution pipe.

LOCATION - Start the first trench 130 feet from the West (700') lot line and 100 feet from the North lot line. Run trenches along contour toward North side of lot.

NOTES - No trench to exceed 100 feet in length. Provide 6" - 8" diameter cleanout and cap to grade or above on septic tank. *OK 9/19/94 BKS*

PLANS APPROVED BY C. Williams DATE 11/14/89

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, 90° ELBOWS NOT ACCEPTABLE.

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(ES) ARE USED CALL FOR INSPECTION BEFORE AND AFTER PLACING GRAVEL IN TRENCH(ES)

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 35/40 PVC OR ABS

PERMIT VOID AFTER TWO YEARS

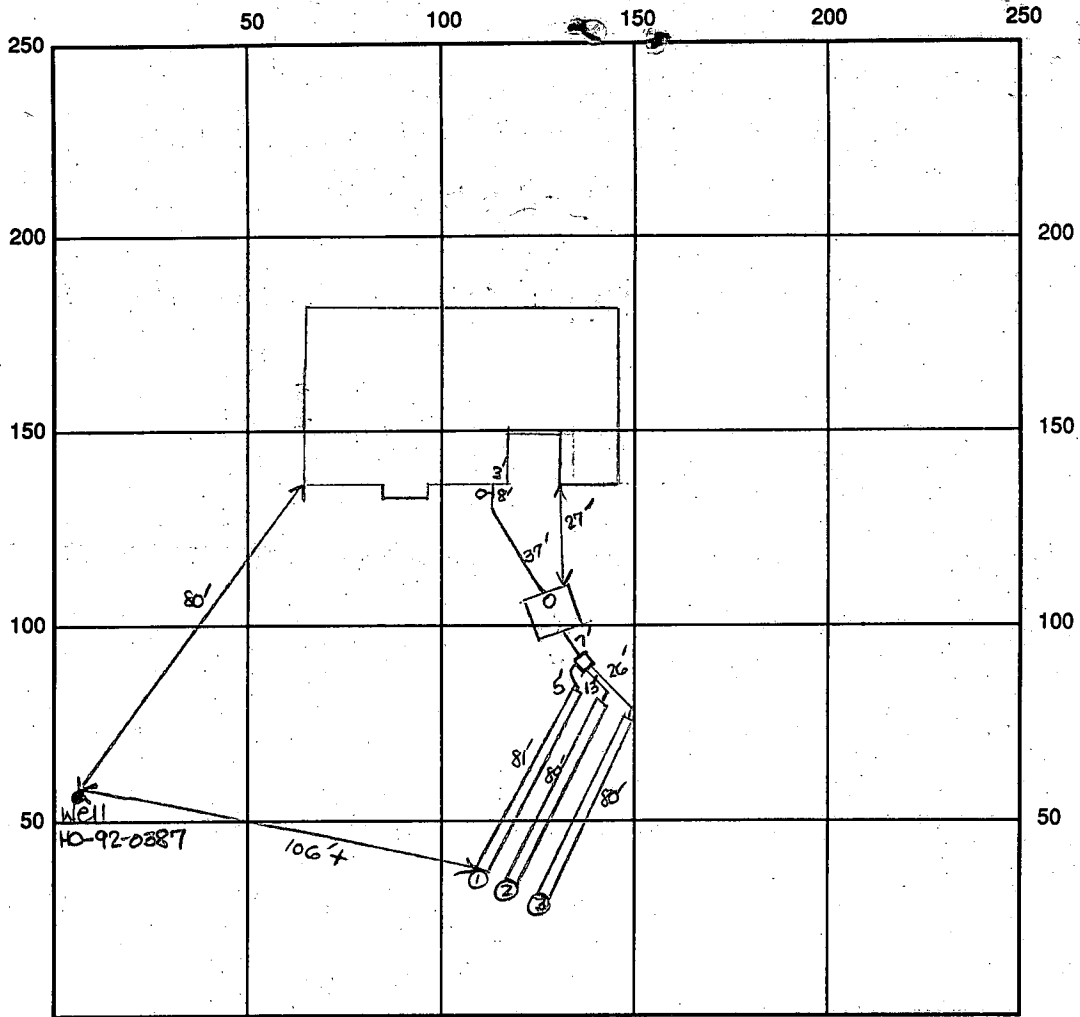
NOTE: INSTALL STAND PIPE ON SEPTIC TANK AND DRY WELL STAND PIPES MUST BE 6 INCHES IN DIAMETER CAST IRON, CONCRETE OR TERRA COTTA OR PVA OR ABS ACCEPTED. IF TOP OF SEPTIC TANK IS DEEPER THAN 3 FEET. MANHOLE TO GRADE REQUIRED.

NOTE: DISTRIBUTION BOXES MUST HAVE BAFFLES

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

*Add-on - foot*  
BLDG. PERMIT SIGNED  
~~AND RETURNED~~ *73-96*  
*B00100 984*

A  
31469



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE  
 Road off Frederick Road

SEPTIC TANK LEVEL OK - 1250 gal CLEANOUTS one at house, one on s.t.

DISTRIBUTION BOX LEVEL OK

DRAIN FIELD/TITLE DEPTH 5 FT. TRENCH WIDTH 3 FT. INLET DEPTH 3 FT.

EFFECTIVE GRAVEL DEPTH 2 FT. TOTAL LENGTH 280 FT.

NUMBER OF TRENCHES 3 ONE SIDEWALL/BOTTOM AREA 723 SQ. FT.

DRYWALL INSIDE DIAMETER — FT. EFFECTIVE DEPTH BELOW INLET — FT.

ABSORBENT AREA 723 SQ. FT.

REMARKS: 10/24/94 Final - OK to cover all work. DKS

10/24/94 WPI OK to cover, 4' below grade. DKS

DATE SYSTEM APPROVED 10/24/94 INSPECTOR Douglas J. Goe

PRELIMINARY

7/8/81  
1:30 p.m.

Need plat  
will be at site

# APPLICATION

A 31469

## SEWAGE DISPOSAL TESTING

STATE OF MARYLAND - DEPARTMENT OF HEALTH AND MENTAL HYGIENE

HOWARD COUNTY HEALTH DEPARTMENT  
ENVIRONMENTAL HEALTH SERVICES

P. O. BOX 473 ELLICOTT CITY, MARYLAND 21043  
TELEPHONE: 992-2330

Septic Tank { 1-3 Bedrooms 1000 gallons  
4 Bedrooms 1250 gallons }  
Trenches - see attached spec. sheet }  
DISTRICT 3rd  
DATE 7/6/81

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 Wehland & Spahn, Attorneys-at-Law Pam + JOE CEIER

ADDRESS 3677 Park Avenue, Ellicott City, Md. 21043 PHONE 301-596-7492

PROPERTY LOCATION:

SUBDIVISION Kings Gift LOT NO. 12

ROAD AND DESCRIPTION Route 144 (11772 Frederick Rd) BLDG. PERMIT SIGNED AND RETURNED 7/22/81 Serial # 55201-SFD-4Bm

SIZE OF LOT (?) 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. /s/ Don Reuver for Wehland & Spahn  
(SIGNATURE OF APPLICANT)

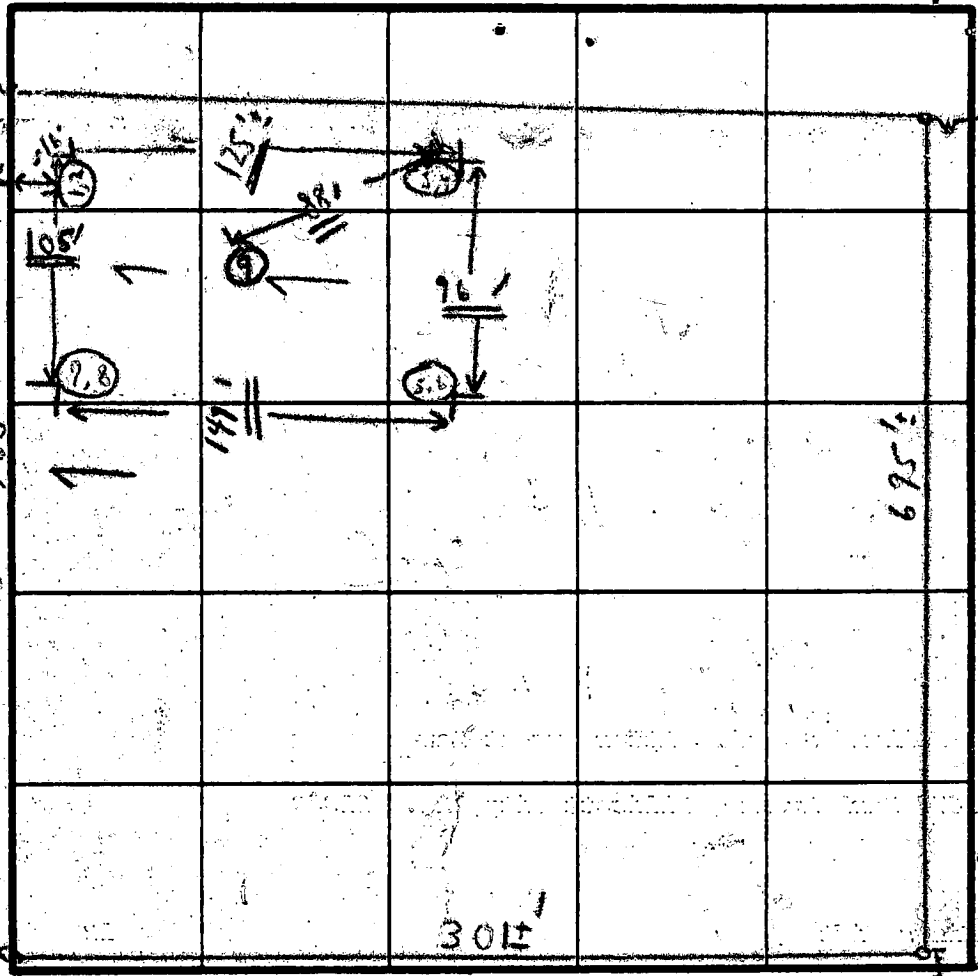
APPROVED BY C.B. Streaker FOR Shallow Trenches DATE 7/8/81  
Orchard

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

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

REASONS FOR REJECTION OR HOLDING 7/8/81 Hold for certified holes. Send memo to Mr. Reuver; Note - left notes from Ed with Mr. Reuver for other project @ site. 7/30/81 Plat ok for signature. C.B.S.

# THIS IS NOT A PERMIT



#12

SOIL PROFILE

SEE EACH HOLE BELOW



FIELD SHEET

INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE

Rt. 144

SOIL PROFILE

1' - 3" CLAY  
 3' - 7 1/2" TO MOSTLY LOAM + SOME SAND  
 11 - 4 1/2" CLAY  
 4 1/2" - 8 1/2" LOAM + SOME SAND TO  
 11 - 3 1/2" CLAY  
 3 1/2" - 9 1/2" Sandy loam  
 1 - 3 1/2" CLAY  
 3 1/2" - 8 1/2" Sandy loam + some sand

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
7/8/81	1	3 1/2'	2:22	2:26	2:26	2:39	13 min
	2	7 1/2'	2:18	2:20	2:20	2:26	6 min
	3	4'	2:03	2:06	2:06	2:10	4 min
	4	8 1/2'	2:03	2:05	2:05	2:10	5 min
	5	3 1/2'	2:29	2:31	2:31	2:33	2 min
	6	9'	2:28	2:30	2:30	2:32	2 min
	7	3 1/2'	2:40	2:42	2:42	2:45	3 min
	8	8'	2:40	2:43	2:43	2:49	6 min
	9	12'	Vial		1" - 4 1/2" clay 4 1/2" - 12"		6 min

System  
 • Under 3 1/2"  
 Max 6 1/2"  
 Depth  
 Shallow  
 trenches

- Hard @ 12' per dig

REMARKS (TESTS IN WOODS) (1) **HOLD-FOR CERTIFIED HOLES; HOUSE; WATER WELL; ADJACENT LOTS - CERTIFIED WATER WELL PROPOSED LOCATIONS**

TYPE OF SOIL \_\_\_\_\_

TESTED BY C. B. J. ALSO PRESENT **D. REHNER**  
**3-O. KETTER**  
**M.S.D.**

EH-12-1079

PRELIMINARY

# APPLICATION

SEWAGE DISPOSAL TESTING

STATE OF MARYLAND - DEPARTMENT OF HEALTH AND MENTAL HYGIENE

HOWARD COUNTY HEALTH DEPARTMENT  
ENVIRONMENTAL HEALTH SERVICES  
P. O. BOX 473 ELLICOTT CITY, MARYLAND 21043  
TELEPHONE: 992-2330

A 31469

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DISTRICT 3rd

DATE 7/6/81

TO: THE COUNTY HEALTH OFFICER  
ELLICOTT CITY, MARYLAND

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WITH ALL M.O.S.H.A. REQUIREMENTS IN TESTING THIS LOT /s/ Don Reuver for Wehland & Spahn  
(SIGNATURE OF APPLICANT)

APPROVED BY C. B. Streaker FOR Shelton Treacher DATE 7/8/81

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

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

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

# THIS IS NOT A PERMIT



B 1 05458

SEQUENCE NO. (DP USE ONLY)

STATE OF MARYLAND PERMIT TO DRILL WELL please print or type

STATE PERMIT NUMBER

40-92-0387

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

Date Received (APA)

060793

OWNER INFORMATION

BEIER JOE

3306 NORTH RIDGE RD

ELLICOTT CITY MD 21043

DRILLER INFORMATION

George F. Easterday

40

L. Franklin Easterday, Inc.

77 License No. 80

Firm Name

9265 Brown Church Rd., Mt. Airy, Md. 21771

Signature: George F. Easterday Date: 6-2-93

B 3

LOCATION OF WELL

HOWARD

KING'S GIFT

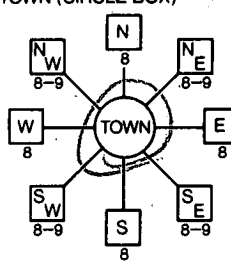
SECTION LOT 12

MAYFIELD

MILES FROM TOWN (enter 0 if in town) 0 MI

B 4

DIRECTION OF WELL FROM TOWN (CIRCLE BOX)



RT 144

ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX)



DISTANCE FROM ROAD 2000 FT

B 2 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 R# 31469 COUNTY NO.
STATE SIGNATURE DATE ISSUED 06/1/93
CO SIGNATURE Charles Bergeron EXP. DATE 4/1/94
NORTH GRID 533000 EAST GRID 0822000

APPROXIMATE DEPTH OF WELL 200 FEET

APPROXIMATE DIAMETER OF WELL 6 INCH

METHOD OF DRILLING (circle one)

- Bored (or Augered) JETTED Jetted & DRIVEN
AIR-ROTary AIR-PERcussion ROTARY (Hydraulic Rotary)
CABLE REVerse-ROTary DRive-POINT

REPLACEMENT OR DEEPEMED 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 deepen an existing well

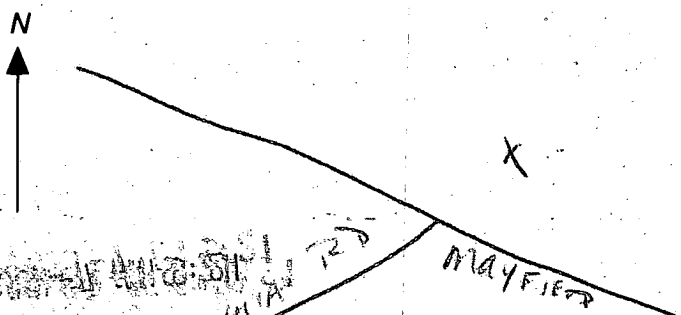
PERMIT NUMBER OF WELL TO BE REPLACED OR DEEPEMED (IF AVAILABLE)

Not to be filled in by driller (OEP USE ONLY)

APPROP. PERMIT NUMBER GAP
FORCE C WRITE INITIALS IN BOX PERMIT No. 40-92-0387

SHOW MAJOR FEATURES OF BOX & LOCATE WELL WITH AN X
SOURCES OF DRILLING WATER well
6/22/93 11 AM
42' CASING LOC
13 BAGS OK
37' OPEN
2' CASING A.G.
GROUT OK NOT
TAG OK OBS'D

DRAW A SKETCH BELOW SHOWING LOCATION OF WELL IN RELATION TO NEARBY TOWNS AND ROADS AND GIVE DISTANCE FROM WELL TO NEAREST ROAD JUNCTION



G1 0468

SEQUENCE NO. (DENV 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)

FILL IN THIS FORM COMPLETELY PLEASE PRINT OR TYPE

COUNTY NUMBER A # 31467

ST/CO USE ONLY DATE RECEIVED

DATE WELL COMPLETED 06/27/93

Depth of Well 400 (TO NEAREST FOOT)

PERMIT NO. FROM "PERMIT TO DRILL WELL" HO-92-0387

OWNER last name first name TOWN SUBDIVISION SECTION LOT

WELL LOG table with columns: DESCRIPTION, FEET (FROM, TO), Check if water bearing. Includes entries for Top Soil, red clay, brown shale, Sand Stone, Mica, etc.

GROUTING RECORD: WELL HAS BEEN GROUTED (Y), TYPE OF GROUTING MATERIAL: CEMENT (CM), BENTONITE CLAY (BC), NO. OF BAGS 13, NO. OF POUNDS 1200, GALLONS OF WATER 65, DEPTH OF GROUT SEAL 37 ft.

CASING RECORD: MAIN CASING TYPE ST 7, Nominal diameter 7, Total depth 43, OTHER CASING (if used) diameter inch, depth (feet) from to.

SCREEN RECORD: screen type or open hole insert appropriate code below, ST BR HO, PL OT.

DEPTH (nearest ft.) table with columns for depth intervals and corresponding casing/depth values.

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 26.04.04 "WELL CONSTRUCTION" AND IN CONFORMANCE WITH ALL CONDITIONS STATED IN THE ABOVE CAPTIONED PERMIT...

DRILLERS IDENT. NO. 46, DRILLERS SIGNATURE

SITE SUPERVISOR (Sign of driller or journeyman responsible for sitework if different from permittee)

SLOT SIZE 1 2 3, DIAMETER OF SCREEN 56-60, 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.), W Q (74-76), TELESCOPE CASING, LOG INDICATOR, OTHER DATA

PUMPING TEST: HOURS PUMPED 6, PUMPING RATE 2 gal. per min. to nearest gal., METHOD USED TO MEASURE PUMPING RATE, WATER LEVEL (distance from land surface) BEFORE PUMPING 26, WHEN PUMPING 9.7, TYPE OF PUMP USED (for test) 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).

LOCATION OF WELL ON LOT: SHOW PERMANENT STRUCTURE SUCH AS BUILDING, SEPTIC TANKS, AND/OR LANDMARKS AND INDICATE NOT LESS THAN TWO DISTANCES (MEASUREMENTS TO WELL). Includes handwritten note: 30' well, Sideline, 0002, PT. 101.

8:00

**FIELD DATA SHEET**  
**HOWARD COUNTY WELL YIELD TEST**

Well Permit No. HO - 92 - 0387  
 Location of property (road) COMMON R/W OFF RT. 144  
 Subdivision KING'S GIFT Lot 12 Block - Plat - Sec. -  
 Well Driller G.F. EASTERDAY Owner JOE GEIER

Depth of well 400 ' ± 3 apm  
 Distance of measuring point (M.P.) above ground 2 '  
 Static water level (S.W.L.) below M.P. 26 '

**I. High rate pumping -- reservoir drawdown**

Time pump started 9:45 Pumping rate 10 G.P.M.  
 Total time 30 min to reach pumping water level 106 ft. below M.P.

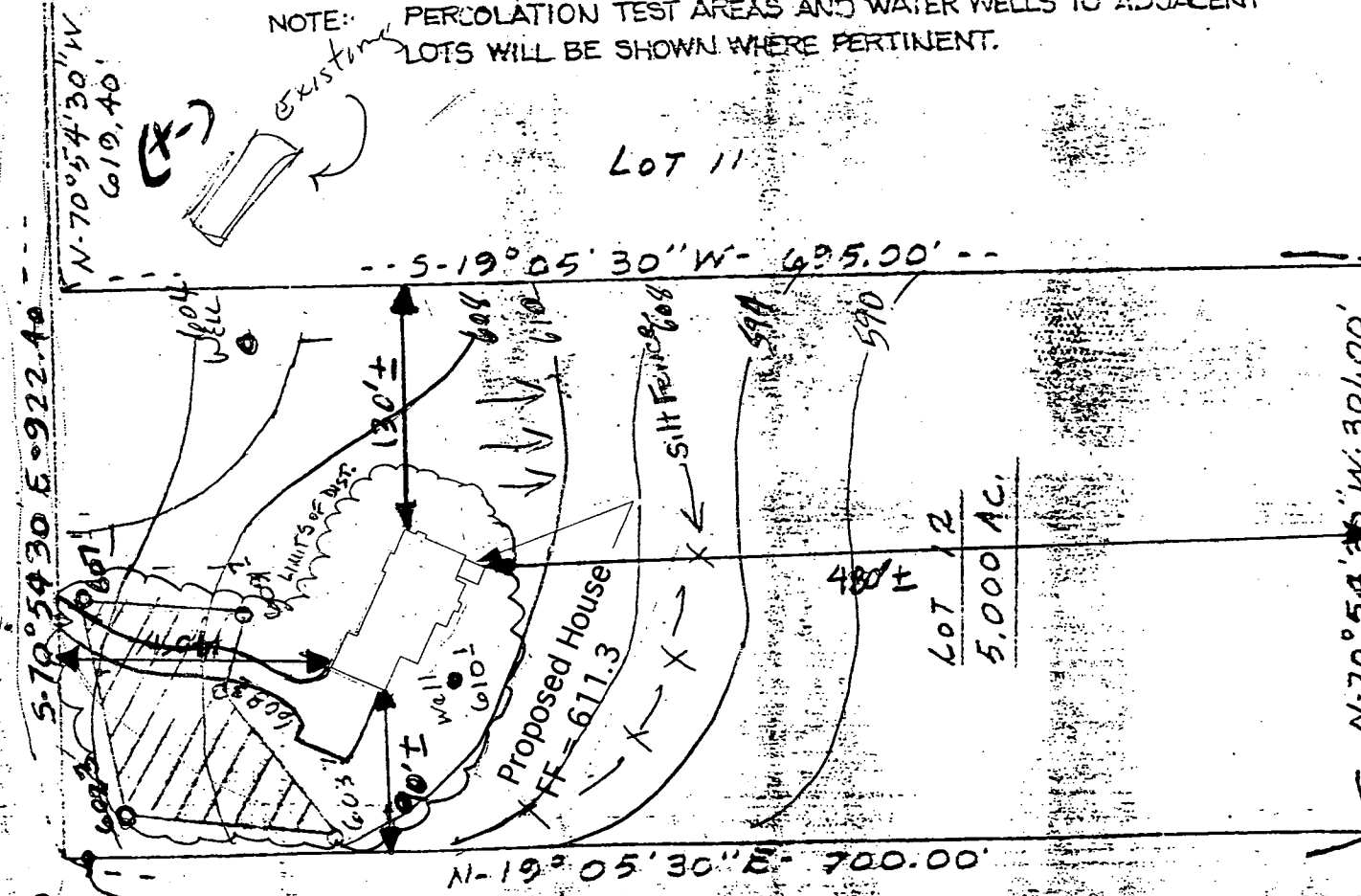
**II. Recovery pump test data - observations to be recorded every 15 minutes**

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)
10:15	106.5	25 sec.	N/A	2.3 G.P.M.
10:30	105.6	25		2.3
10:45	104.3	25		2.3
11:00	103.0	25		"
11:15	101.3	25		"
11:30	100.0	25		"
11:45	99.3	25		"
12:00	98.7	25		2.3
12:15	98.6	25		"
12:30	98.6	25		"
12:45	98.6	25		
1:00	98.7	25		
1:15	98.7	25		
1:30	98.9	25		
1:45	99.2	25		
2:00	99.2	25		
2:15	99	25		
2:30	99	25		
2:45	99	25		
3:00	99	25		
3:15	99	25		
3:30	99	25		
3:45	99	25		
4:00	99	25		

Pump set 390'  
 Clean Clear Water

9:45 99 25

TO MD. RT. 144



NOTE: PERCOLATION TEST AREAS AND WATER WELLS TO ADJACENT LOTS WILL BE SHOWN WHERE PERTINENT.

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 SERVICING 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 "O" HAVE BEEN FIELD LOCATED.

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

COUNTY HEALTH OFFICER \_\_\_\_\_ DATE \_\_\_\_\_



\* THE COUNTY HEALTH OFFICER SHALL BE AUTHORIZED TO GRANT VARIANCES FOR ENCROACHMENTS INTO SEWERAGE EASEMENT RECORDATION OF A MODIFIED SEWERAGE EASEMENT WILL NOT BE NECESSARY.

TAX MAP 35

TITLE	PERCOLATION CERTIFICATION	DATE	7-27-81
PROJECT	KINGS GIFT - LOT 12	SCALE	1" = 100'
		DRAWN BY	

**boender associates**

SUITE 102-107 TOWN & COURT BY PROFESSIONAL BUILDING  
ELLCOT CITY, MARYLAND 21043  
301-453-1777

engineer  
surveyor  
plan

7/31/81 To Dr. Boyd for Signature

NOTE: PERCOLATION TEST AREAS AND WATER WELLS TO ADJACENT LOTS WILL BE SHOWN WHERE PERTINENT.

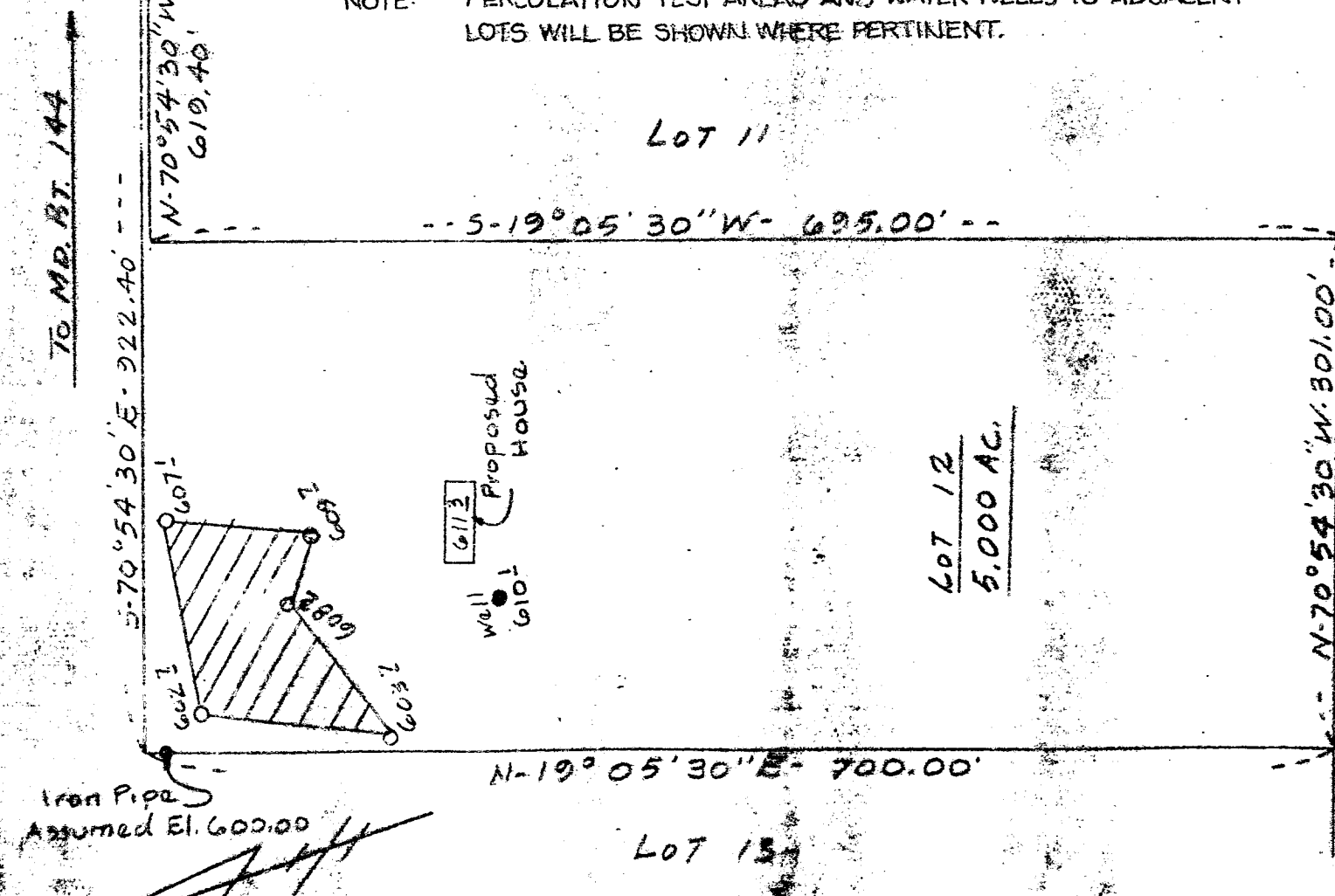
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HARRIS COUNTY HEALTH DEPARTMENT

COUNTY HEALTH OFFICER \_\_\_\_\_ DATE \_\_\_\_\_



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TAX MAP-14

TITLE	PERCOLATION CERTIFICATION	DATE:	7-27-81
PROJECT	KINGS GIFT - LOT 12	SCALE:	1" = 100'
LOCATION	2ND E 1/2 ... DIST ... MD ...		

**boender associates**  
 SUITE 100-107 EDWINA COUNTRY PROFESSIONAL BUILDING  
 ELLICOTT CITY, MARYLAND 21043  
 301-465-7777

engineer/s  
 surveyor/  
 planner

7/31/81 To Dr. Boyd for signature

N70°54'30"W

S70°54'30"E

322  
615

700.01'

30' BRL

695.00'

FRONT

EX. DRIVE

EX WELL

EX. DIST BOX

EX. SEPTIC TANK

EX WOOD DECK

EX. RES.

FILTER PAD

121'

143'

48" HIGH WOOD FENCE (BY OWNER AS PER CODE)

24'-9" x 42' SWIMMING POOL W/920 SF. CONC DECK

7/3/96  
proposed pool as shown shall not impact existing well or septic. *(DKS)*  
LOT 12  
5.000 AC.

428'

30' BRL

30' BRL

60' BRL

60°E

05'30"W

Approved Septic  
Howard County

*Amy M. [unclear]*  
Signature

