

1 PM  
4/20/94

03-314502

# PERMIT

## SEWAGE DISPOSAL SYSTEM

### DEPARTMENT OF HEALTH AND MENTAL HYGIENE

P 49968C

A 39576

DISTRICT 3rd

DATE 4/21/94

**HOWARD COUNTY HEALTH DEPARTMENT**

BUREAU OF ENVIRONMENTAL HEALTH

~~461-9933~~ 313-2640

INDEXED

DATE SYSTEM APPROVED 4/21/94

INSPECTOR Ann

\*Time Expired for  
F.C.O.P. Compliance

The Adamson Plumbing & Heating Co., Inc. IS PERMITTED TO INSTALL  ALTER

ADDRESS 7825 McClellan Avenue, Boonsboro, Maryland 21713 PHONE 416-3968

SUBDIVISION Crystal Clear LOT 18 ROAD 13915 Kennard Drive

PROPERTY OWNER Phillip & Donna Hinkle

ADDRESS \_\_\_\_\_

SEPTIC TANK CAPACITY 1250 GALLONS

NUMBER OF BEDROOMS 4

180 SQUARE FEET PER BEDROOM

389  
720

180  
41720  
4  
32

LINEAR FEET OF TRENCH REQUIRED 180

TRENCHES - Trench to be 2 feet wide. Inlet 3 feet below original grade. Bottom maximum depth 7 feet below original grade. Effective area begins at 3 feet below original grade. 4 feet of stone below distribution pipe.

LOCATION - Start the first trench 150 feet from the front lot line and 65 feet from the left lot line. Run trenches along contour toward left lot line.

NOTES - No trench to exceed 100 feet in length. Provide 6" - 8" diameter cleanout and cap to grade or above on septic tank. OK 3/25/94 DKS

PLANS APPROVED BY C. Williams DATE 7/06/93

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

BLDG. PERMIT SIGNED  
AND RETURNED 10/12/94

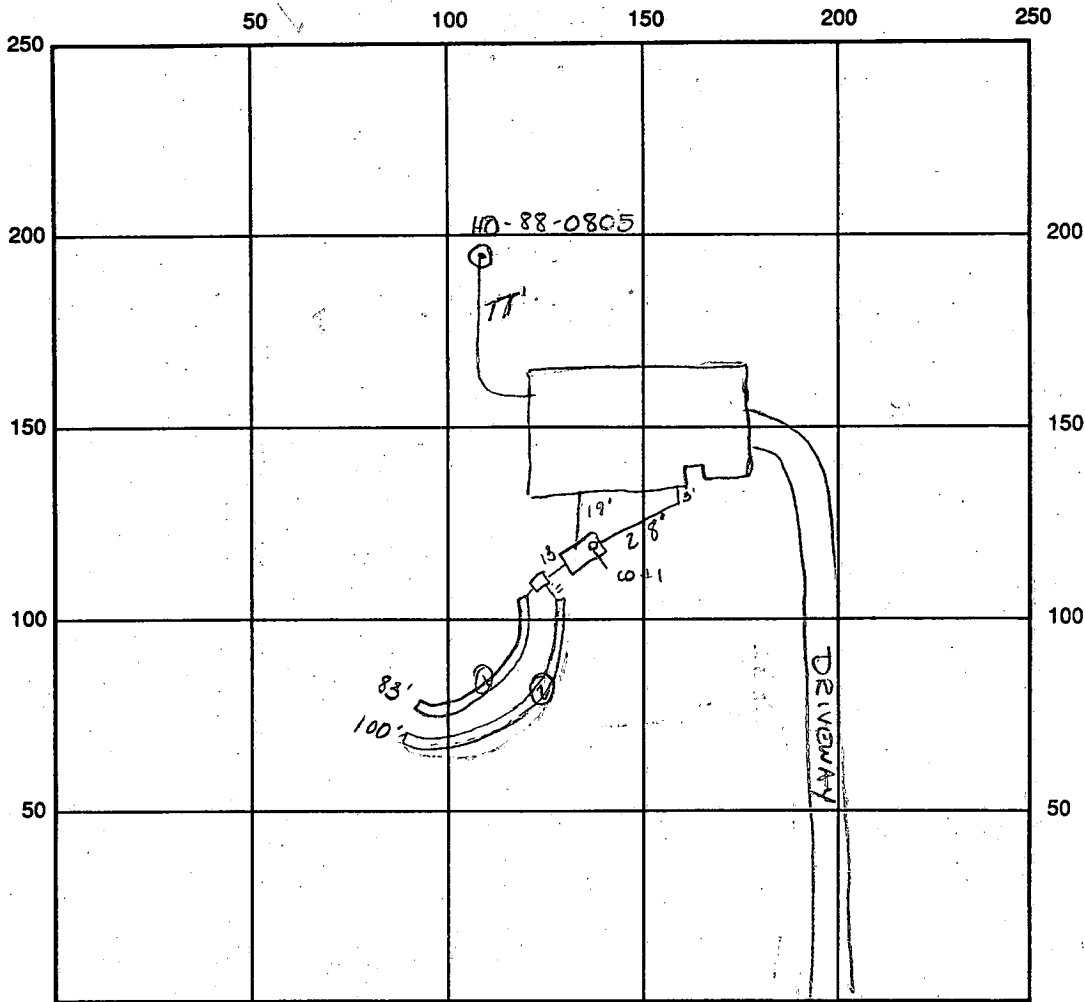
PERMIT VOID AFTER TWO YEARS

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. Covered post

NOTE: DISTRIBUTION BOXES MUST HAVE BAFFLES

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

A  
39576



180 needed  
inlet 3'  
bottom 2'

INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE  
KENNARD DR

SEPTIC TANK LEVEL OK 1250 gal CLEANOUTS CO #1 OK  
 DISTRIBUTION BOX LEVEL OK baffle is in  
 DRAIN FIELD/TITLE DEPTH 6 1/2 - 7' FT. TRENCH WIDTH 2' FT. INLET DEPTH 3' FT.  
 EFFECTIVE GRAVEL DEPTH 7' FT. TOTAL LENGTH 83' FT.  $\rightarrow$  183' total 3'  
183'  
186'  
 NUMBER OF TRENCHES 2' ONE SIDEWALL/BOTTOM AREA 732 SQ. FT. 732  
 DRYWALL INSIDE DIAMETER — FT. EFFECTIVE DEPTH BELOW INLET — FT.  
 ABSORBENT AREA — SQ. FT.

REMARKS: 4/20/94 Trench 1 & 2 OK to fill w/ stone (#2 15' left to deg OK) OK to cover between tanks = DB for access House connection made. 4/21/94 Trench #2 OK OK to cover final ALM

4/20/94 No WPI seen 4/21/94 WPI - OK ALM  
 DATE SYSTEM APPROVED 4/21/94 INSPECTOR A. M. Miller

# APPLICATION

PERCOLATION TESTING

A 39576

P \_\_\_\_\_

HOWARD COUNTY HEALTH DEPARTMENT  
BUREAU OF ENVIRONMENTAL HEALTH  
P.O. BOX 476 ELLICOTT CITY, MARYLAND 21043  
TELEPHONE: 461-9933

7-29-87  
percs ok pending  
plat approval JEN

DISTRICT 5TH

DATE 6-12-87

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 Kennard Warfield Jr. Phillip & Donna Hinkle Crystal Clear General Partnership

ADDRESS 14663 Tridelphia Rd. Glenely 21737 PHONE 670-9114 442-2337

PROSPECTIVE BUYER N/A

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

PROPERTY LOCATION:

SUBDIVISION Crystal Clear LOT NO. 28

ROAD AND DESCRIPTION West side Ivory Rd North side Tridelphia Rd (13915 Kennard Drive)

TAX MAP 22 PARCEL # 533

SIZE OF LOT 3 1/2 acres TYPE BLDG. SFD - 4 Bedroom  
(SINGLE FAMILY DWELLING OR COMMERCIAL)

BLDG. PERMIT SIGNED  
AND RETURNED 5/23/87 12/9/85  
Serial # 51537  
SFD - 4 Bedroom

LOT 18 Preliminary

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.

Mal Reid  
(SIGNATURE OF APPLICANT)

APPROVED BY \_\_\_\_\_ FOR \_\_\_\_\_ DATE \_\_\_\_\_

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

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

REASONS FOR REJECTION OR  HOLDING 7-29-87 for perc hole location and subdivision plat approval JEN

BLDG. PERMIT SIGNED  
AND RETURNED 9/11/89  
Serial # 20936 - SFD  
5 Bedroom with Gut-Flush

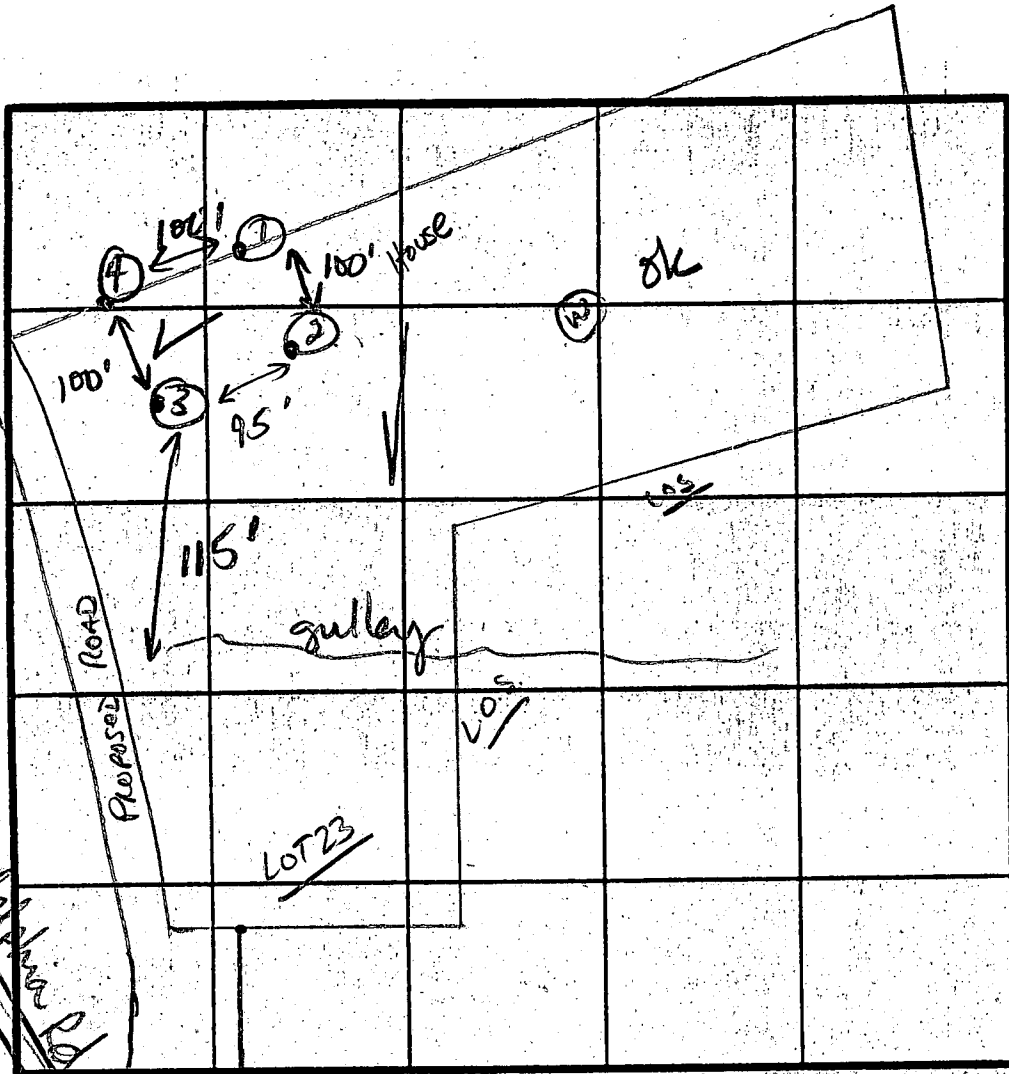
# THIS IS NOT A PERMIT

- 1 High
- 2 ↓
- 3 ↓
- 4 ↓
- Low

①

SOIL PROFILE

0-3.0 Br si cl. 1m  
 3.0-11.5 Br si 1m, trc broken rock frags, <15%  
 11.5 Bottom



⑦  
 0-3 Br si cl 1m  
 3-5.5 Rd sa 1m  
 5.5-12.0 Rd-yellow sa si 1m, trc broken rx frags, <15%  
 12.0 Bottom  
 7 perc s min

3'-7.5'

②

0-2 Br si cl 1m  
 2-10.5 Rd sa si 1m, trc lg broken pieces of rock <20%  
 10.5 Bottom

③

0-4 Br si 1m  
 4-13.5 Br-red sa si 1m, trc of broken rx frags, <25%  
 13.5 Bottom

INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE  
~~TRADERS RD.~~

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
7-29-87	1	3.5 S	2:49	2:51	2:51	2:54	3
		6.5 M	2:49	2:51	2:51	2:53	2
		11.5 D	Bottom (see profile)				
	2	10.5 V	(see profile)				OK
	4	3.5 S	2:59	3:03	3:03	3:10	7
		12.0 D	Bottom (see profile)				
	3	3.0 S	3:00	3:02	3:02	3:09	7
		13.5 D	Bottom (see profile)				

REMARKS All holes located per plat.

TYPE OF SOIL 0-4 Br si cl 1m, 4-13.5 Rd sa si 1m, <25% rx frags

TESTED BY Gene E. Madecan

ALSO PRESENT Glen Jr, Glen Sr, Mark R

EH-12-1079

9977

SEQUENCE NO. (DENV USE ONLY)

STATE OF MARYLAND WELL COMPLETION REPORT

THIS REPORT MUST BE SUBMITTED WITHIN 45 DAYS AFTER WELL IS COMPLETED.

COUNTY NUMBER A 39576

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

ST/CO USE ONLY DATE RECEIVED

DATE WELL COMPLETED 07/17/79

Depth of Well 390 (TO NEAREST FOOT)

PERMIT NO. FROM "PERMIT TO DRILL WELL" 40-88-0805

OWNER GUSHION LAND CO. STREET OR RFD last name KENNEDY DRIVE first name TOWN GREENSBORO SUBDIVISION SECTION LOT 18

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. Includes entries for Top Soil, Red Clay, Br. Mica, Green Mica, Gray Shale, and Gray Mica.

GROUTING RECORD WELL HAS BEEN GROUTED (Y) NO (N) TYPE OF GROUTING MATERIAL CEMENT (CM) BENTONITE CLAY (BC) NO. OF BAGS 50 NO. OF POUNDS 5000 GALLONS OF WATER DEPTH OF GROUT SEAL (to nearest foot) from 0 ft. to 12 ft.

CASING RECORD casing types insert appropriate code below ST CO STEEL CONCRETE PL OT PLASTIC OTHER MAIN CASING TYPE 5T Nominal diameter top (main) casing (nearest inch) 6 Bottom of main casing (nearest foot) 97

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.) 1 40 97 390 2 3 38 39 41 45 47 51 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.) W Q 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.) 7 METHOD USED TO MEASURE PUMPING RATE WATER LEVEL (distance from land surface) BEFORE PUMPING 22 WHEN PUMPING 147 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) LAND SURFACE (nearest foot)

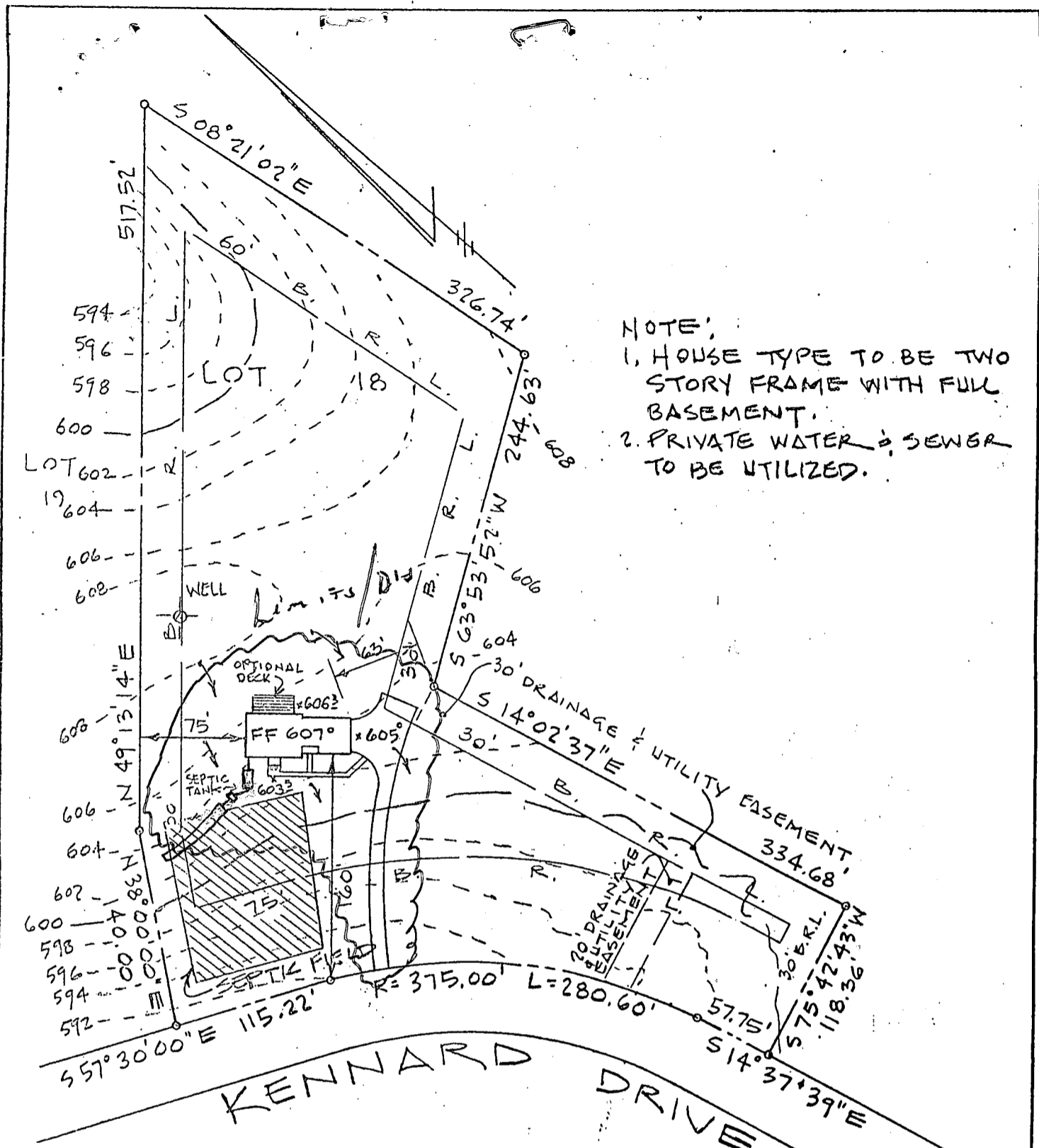
LOCATION OF WELL ON LOT SHOW PERMANENT STRUCTURE SUCH AS BUILDING, SEPTIC TANKS, AND/OR LANDMARKS AND INDICATE NOT LESS THAN TWO DISTANCES (MEASUREMENTS TO WELL)

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, AND THAT THE INFORMATION PRESENTED HEREIN IS ACCURATE AND COMPLETE TO THE BEST OF MY KNOWLEDGE.

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

Handwritten notes: "near plot plan" and a north arrow pointing upwards.



NOTE:  
 1. HOUSE TYPE TO BE TWO STORY FRAME WITH FULL BASEMENT.  
 2. PRIVATE WATER & SEWER TO BE UTILIZED.

SEPTIC HOUSE	DATA
FF	607°
" BSMT	598°
" SEWER INV.	601°
SEPTIC FIN. GR.	603°
TANK INV. IN	6008
" INV OUT	6005
DISTR. EX. GR.	6035
BOX INV IN	600°
WATER EX. GR	6085
WELL FIN. GR.	"

*elevations of*  
 MR 12/9/93  
 BP 51537  
 4BR

NOTE! TRENCH LENGTH TO BE DETERMINED AT TIME OF SEPTIC PERMIT ISSUANCE.

ENGINEER  
 JOHN L. SCHNEIDER, P.E.  
 100 N. ROLLING RD.  
 CATONSVILLE, MD. 21228  
 301-744-1945

RECORD PLAT N° 8446 RECORDED 2/24/89

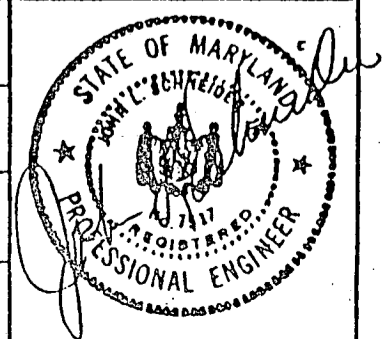
GRADING STUDY

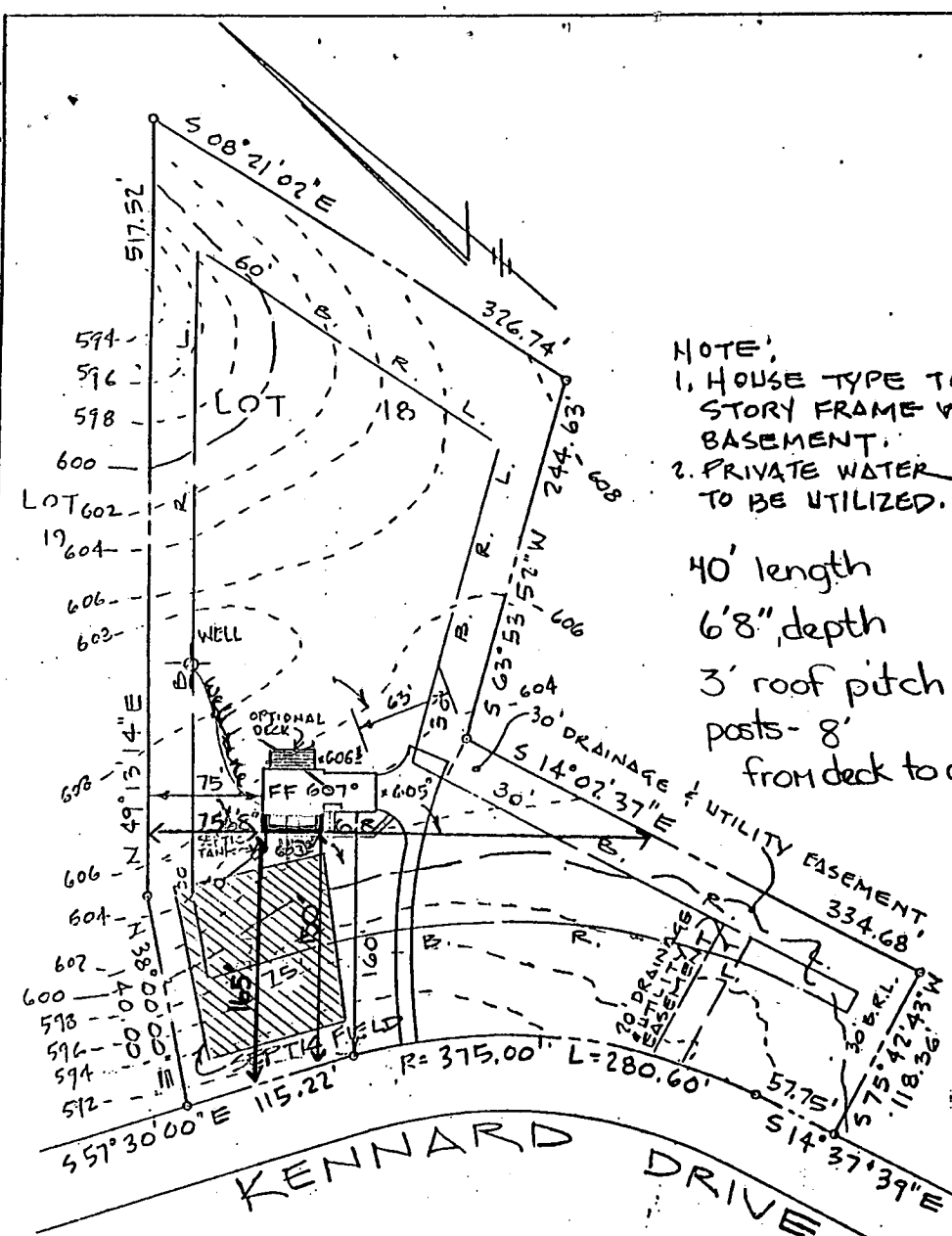
LOT 18 "CRYSTAL CLEAR"

3<sup>RD</sup> ELECTION DISTRICT  
 HOWARD COUNTY - MD.

SCALE: 1" = 100'

DATE: 10/27/93





NOTE:  
 1. HOUSE TYPE TO BE TWO STORY FRAME WITH FULL BASEMENT.  
 2. PRIVATE WATER & SEWER TO BE UTILIZED.

40' length  
 6'8" depth  
 3' roof pitch  
 posts - 8'  
 from deck to ceiling

SEPTIC DATA	
HOUSE FF	607°
" BSMT	598°
" SENER INI.	601°
SEPTIC FIN. GR.	603°
TANK IN. IN	600°
" IN. OUT	600°
DISTR. EX. GR.	603°
BOX IN. IN	600°
WATER EX. GR.	608°
WELL FIN. GR.	"

10-12-94  
 - OK to proceed w/ BASEMENT  
 - 11' from porch to ST per inspectors notes  
 - Proposed covered front porch location will have no impact to existing well or septic

ENGINEER  
 JOHN L. SCHNEIDER, P.E.  
 100 N. ROLLING RD.  
 CATONSVILLE, MD. 21228  
 301-744-1945

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