

1-20-89  
12 noon  
1-23-89  
AM

1/23/89

04-346459

WPI

# PERMIT

P 43333

A 38015

SEWAGE DISPOSAL SYSTEM

MARYLAND STATE DEPARTMENT OF HEALTH DISTRICT \_\_\_\_\_

**HOWARD COUNTY**  
BUREAU OF ENVIRONMENTAL HEALTH  
461-9933

## INDEXED

DATE 1/5/89

DATE SYSTEM APPROVED 1/23/89

INSPECTOR JEN

C. C. Cissel

IS PERMITTED TO INSTALL  ALTER \_\_\_\_\_

ADDRESS 14079 Brighton Dam Road, Clarksville, Maryland PHONE 854-2006

SUBDIVISION Glenwood Springs ROAD 2813 Glenwood Springs LOT 3

PROPERTY OWNER James Dayhoff

ADDRESS \_\_\_\_\_

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

Handwritten calculation:  
220 x 1.5 = 330  
1100 + 330 = 1430  
2244.4 A trench

GARBAGE GRINDER? YES \_\_\_\_\_ NO X

SEPTIC TANK CAPACITY 1500 GALLONS NUMBER OF BEDROOMS 5

TRENCHES - 220 sq. ft. per bedroom. Trench to be 2 feet wide. Inlet 4 1/2 feet below original grade. Bottom maximum depth 9 feet below original grade. Effective area begins at 4 1/2 feet below original grade. 4 1/2 feet of stone below distribution pipe.

LOCATION - Start the system 200 feet from front lot line and 70 feet from left lot line. Run trenches on contour.

NOTE - No trench to exceed 100 feet in length. Provide 6" - 8" diameter cleanout and cap to grade or above on septic tank.

Handwritten initials: MSD

PLANS APPROVED BY C. Williams

Revision DATE 8/08/88

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 TRENCHES ARE USED CALL FOR INSPECTION BEFORE AND AFTER PLACING GRAVEL IN TRENCHES

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

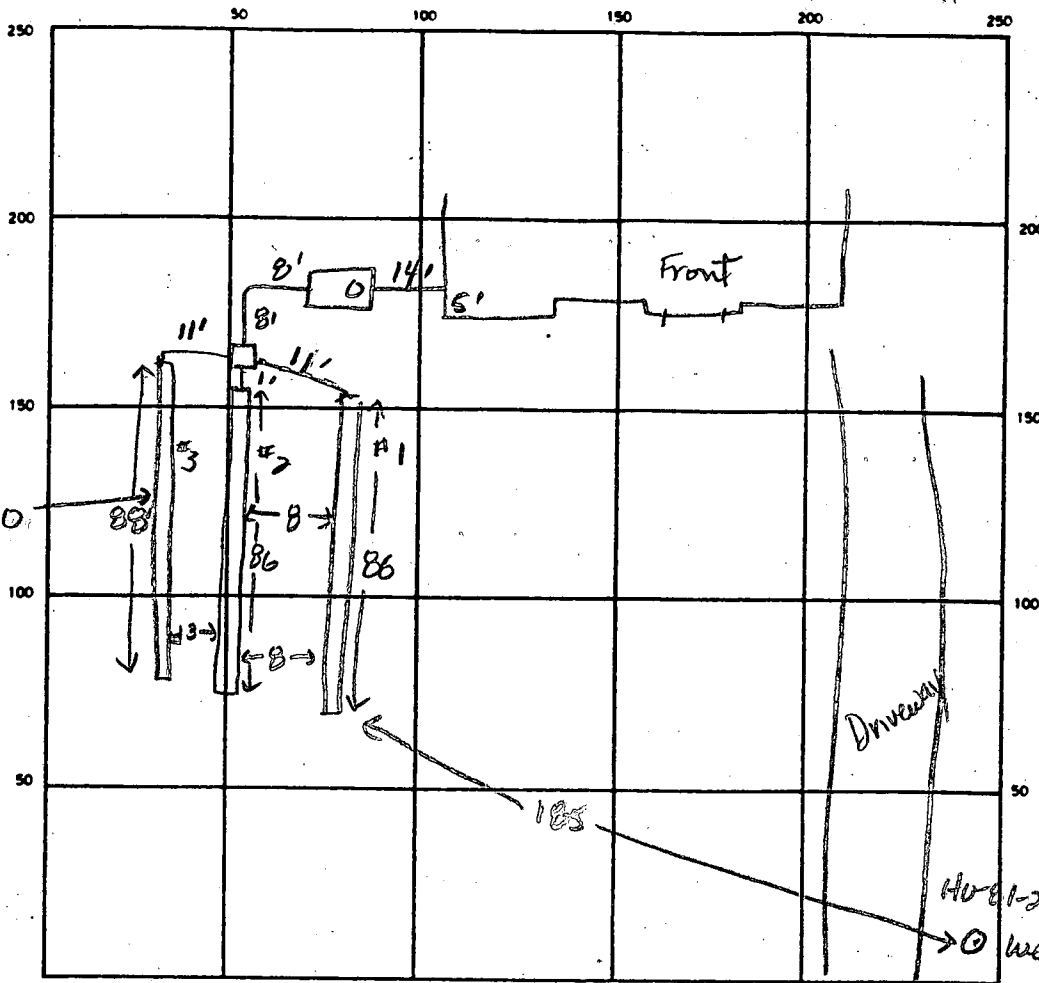
**\*INSTALLER IS RESPONSIBLE FOR OBTAINING FINAL APROVAL ON THIS PERMIT**

\*CALL 461-9933 FOR INSPECTION OF SEPTIC SYSTEMS.

A  
38015

1-23-89  
AM

HO-81-2627  
Neighbor's well  
10.5 x 5 x 5.5d  
= 1500 gallon



77  
24  
308  
134  
34  
36  
24  
144  
72  
86  
88  
86  
86  
260

INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE

Glenwood Springs Drive

SEPTIC TANK LEVEL 1500 gal

CLEANOUTS 1 on septic tank

DISTRIBUTION BOX LEVEL OK w/ baffles

DRAIN FIELD TILE FIELD DEPTH 9.5 9.5 9.5 FT. TRENCH WIDTH 2 FT. INLET DEPTH 3.5 4.5 3.5 FT.

EFFECTIVE GRAVEL DEPTH 6 5 6 FT. TOTAL LENGTH 86 86 88 FT.

NUMBER OF TRENCHES 3 ONE SIDEWALL/BOTTOM AREA 516 420 528 SQ. FT.

DRYWELL INSIDE DIAMETER \_\_\_\_\_ FT. EFFECTIVE DEPTH BELOW INLET \_\_\_\_\_ FT.

ABSORBENT AREA 1474 SQ. FT.

REMARKS 1-20-89 OK to add stone to all 3 trenches, pipe & paper. OK to cover tank after inlet, outlet & cleanout have been cemented. OK to cover trench #2 when paper has been laid. OK to cover other trenches once pipe & paper have been placed leaving ends open. JEN  
1-23-89 OK to cover all work JEN

DATE SYSTEM APPROVED 1-23-89

INSPECTOR Jane G. Madigan

# APPLICATION

PERCOLATION TESTING

A 38015

P \_\_\_\_\_

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

*11/21/87  
perc OK'd  
pending  
plat*

DISTRICT \_\_\_\_\_

DATE 11-7-86  
~~10-14-86~~

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 James DAYHOFF

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

PROSPECTIVE BUYER Ronald Carter

ADDRESS 8388 Court Ave., Ellicott City, Md. 21043 PHONE 461-2855

PROPERTY LOCATION:  
SUBDIVISION Hakes Property LOT NO. Three Pullin

ROAD AND DESCRIPTION Hobbs Road 2813 Glenwood Springs Dr.  
*ok 4/29/87*

TAX MAP 14 PARCEL # 83,87,202

SIZE OF LOT 3+ acres TYPE BLDG. SFD  
(SINGLE FAMILY DWELLING OR COMMERCIAL)

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.

*Ronald P. Carter*  
(SIGNATURE OF APPLICANT)

APPROVED BY Sid Abel FOR Deep trenches DATE 6-14-88

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

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

REASONS FOR REJECTION OR HOLDING for certified field located holes (good + bad) + sub-plat

BUDG. PERMIT SIGNED AND RETURNED 8/7/88 SA BP19300

# THIS IS NOT A PERMIT

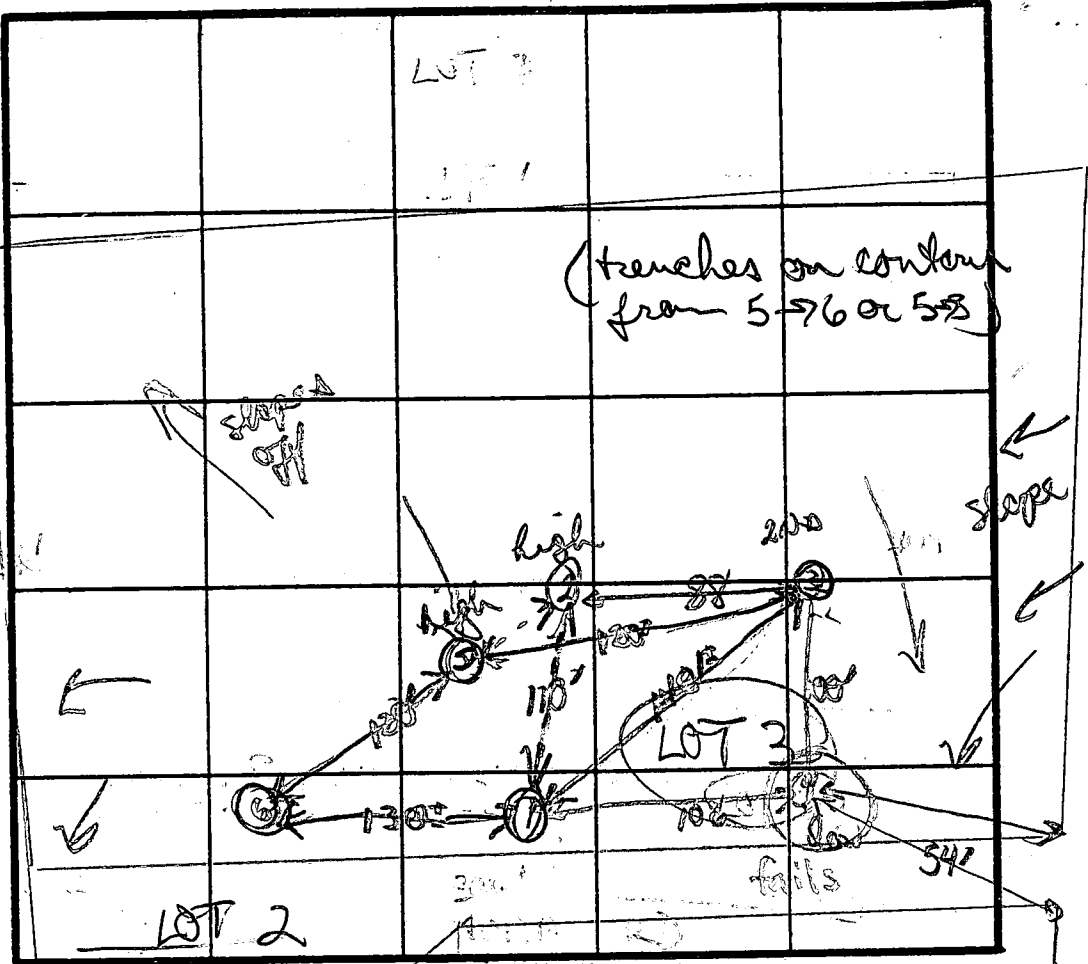
213 A / BORN  
 INLET 5'  
 MAX D. 9'  
 X = 8 3/4 ft

3

SOIL PROFILE

red/yellow  
 brown  
 clay 24'  
 clay loam  
 3 1/2'  
 grey/brown  
 silty  
 loam w/  
 5-10% s  
 scattered  
 rock  
 frags

17 1/2' D



④  
 brown/orange  
 heavy clay  
 (spots with  
 perched H<sub>2</sub>O  
 to 5')  
 to an orange  
 brown/tan  
 silty/clay  
 mix

11 1/2' D

③

heavy red/  
 orange clay  
 3 1/2'

orange/brown  
 clay loam 4 1/2'  
 mixing with

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME	
			START	STOP	START	STOP		
11/20/52	①	4' S	1152	1159	1153	1159	4 MIN	
		12' D	bottom (see profile)					
	④	4' S	109	STOPPED	38		(FAIL)	
		5' S	103					
	⑤	8' M	1206	1209	1209	1215	6 MIN	
		11' D	bottom (see profile)					
	②	6' S	1254	2 1"	at 30	min		
		8 1/2' M	1257	107	107	125	18 MIN	
		12' D	bottom (see profile)					
	③	5'	1216	2 1/4	1214	12 1/2	14 MIN	
		8 1/2' M	1248	1250	1250	1254	4 MIN	
		11' D	bottom (see profile)					

REMARKS: extra large area due to heavy clay layer  
 TYPE OF SOIL: heavy red/orange clays 5'; to orange silty loam + other brown mixes  
 TESTED BY: A. Wilson  
 ALSO PRESENT: Cliff, Phil, Kathy

-EH-12-907

# APPLICATION

## PERCOLATION TESTING

A \_\_\_\_\_

P \_\_\_\_\_

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

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 \_\_\_\_\_

PROSPECTIVE BUYER \_\_\_\_\_

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

PROPERTY LOCATION:

SUBDIVISION \_\_\_\_\_ LOT NO. \_\_\_\_\_

ROAD AND DESCRIPTION \_\_\_\_\_

TAX MAP \_\_\_\_\_ PARCEL # \_\_\_\_\_

SIZE OF LOT \_\_\_\_\_ TYPE BLDG. \_\_\_\_\_  
(SINGLE FAMILY DWELLING OR COMMERCIAL)

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.

(SIGNATURE OF APPLICANT)

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

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

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

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

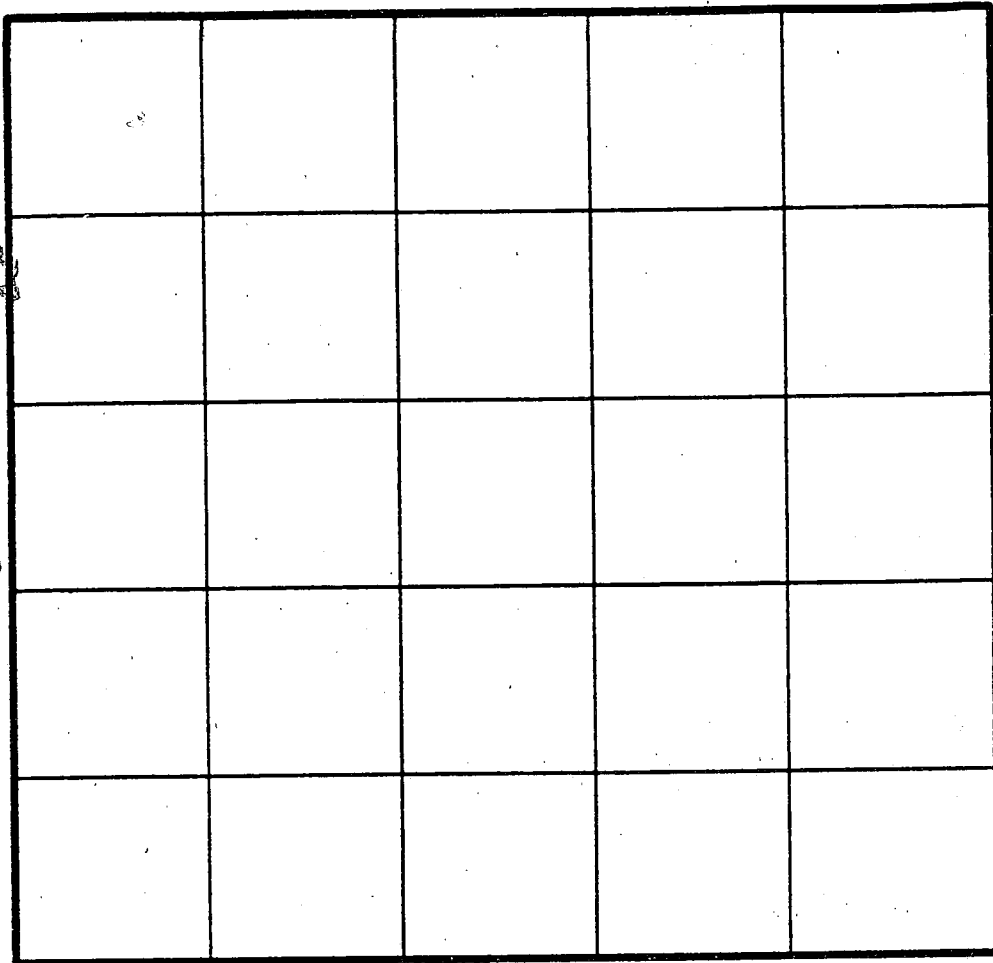
# THIS IS NOT A PERMIT

5

SOIL PROFILE

0'  
 gummy / shaly  
 heavy  
 orange/red  
 clay 5'  
 to orange  
 gummy silty  
 clay 1 1/2'  
 mix  
 ↓

14'0



X PERC 10 MIN  
 INLET 5"  
 BOTTOM 7"  
 200 #/BR

INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

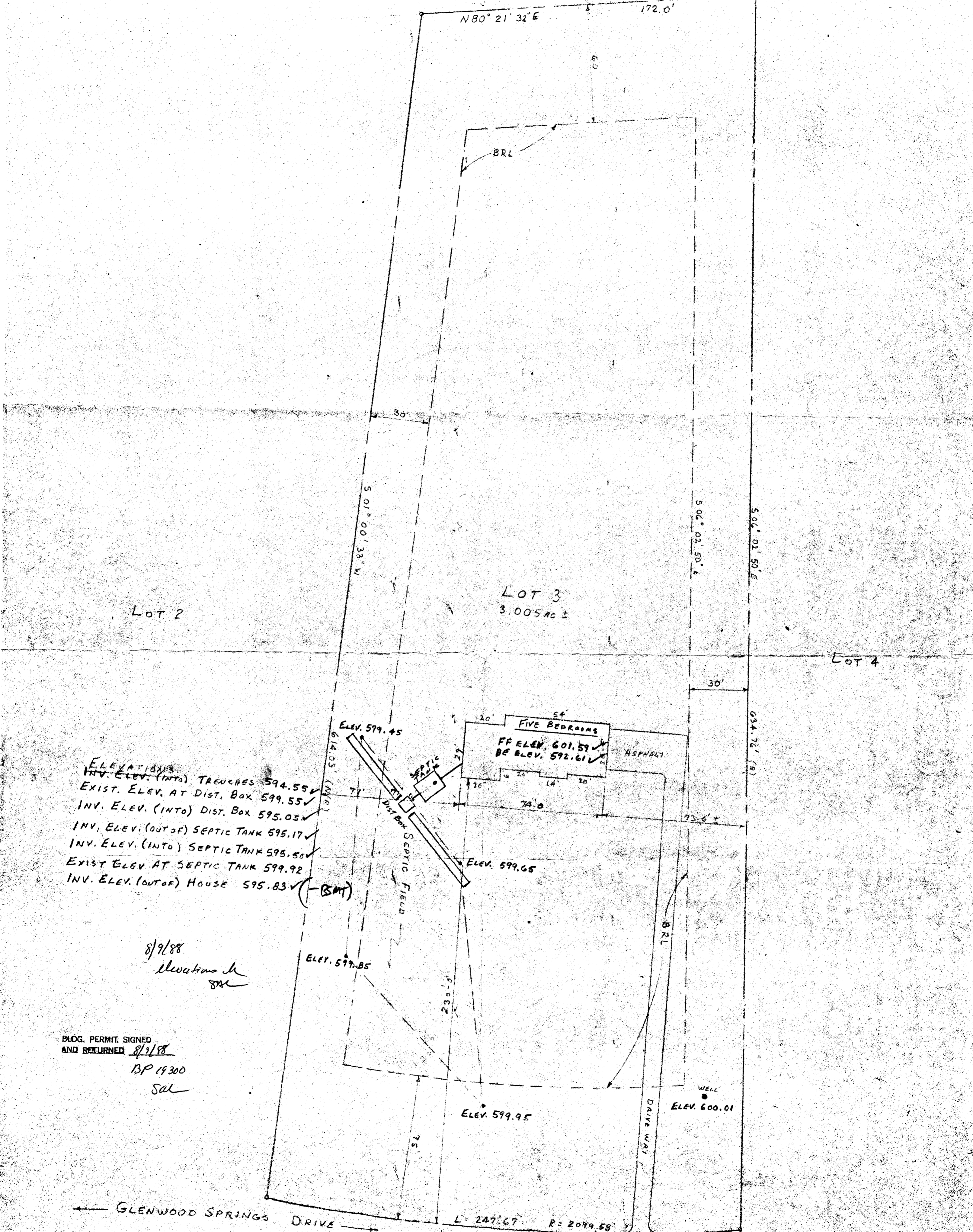
red / orange  
 clay 5'  
 orange clay  
 low 6+'  
 to orange  
 silty clay  
 low w/pt  
 5-10% small  
 red frags

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME	
			START	STOP	START	STOP		
1/20/87	✓ (2)	6'±	255	309	309	330	21 MIN	
		14'0	bottom (see profile)					
1/21/87	✓ (2)	5 1/2±	243	245	245	248	3 MIN	
		9 1/2±	243	246	246	250	4 MIN	
		13±	bottom (see profile)					

REMARKS NOTE Hole 6 only 30' from lot 3/4 corner  
Drawing not to scale as shown.

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

TESTED BY \_\_\_\_\_ ALSO PRESENT \_\_\_\_\_



ELEVATIONS  
 INV. ELEV. (INTO) TRENCHES 594.55 ✓  
 EXIST. ELEV. AT DIST. BOX 599.55 ✓  
 INV. ELEV. (INTO) DIST. BOX 595.05 ✓  
 INV. ELEV. (OUT OF) SEPTIC TANK 595.17 ✓  
 INV. ELEV. (INTO) SEPTIC TANK 595.50 ✓  
 EXIST. ELEV. AT SEPTIC TANK 599.92 ✓  
 INV. ELEV. (OUT OF) HOUSE 595.83 ✓ (-BSM)

8/9/88  
 Elevations by  
 SM

BUDG. PERMIT, SIGNED  
 AND RETURNED 8/9/88  
 BP 19300  
 SCL

No. C-1  
 Drawing  
 SCALE  
 1" = 30'  
 DATE  
 4/8/88

SITE PLAN

LOT 3  
 GLENWOOD SPRINGS SUBDIVISION  
 GLENWOOD MD 21938

J.E DAYHOFF CONSTRUCTION CO, INC  
 414 HUNGERFORD DRIVE #203  
 ROCKVILLE MD, 20850  
 TEL No: 301-762-1966

B 7 3314

SEQUENCE NO. (OEP USE ONLY)

STATE OF MARYLAND PERMIT TO DRILL WELL

please print or type.

OEP PERMIT NUMBER

40-81-2162

fill in this form completely

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

Date Received

8 13

OWNER INFORMATION

CARMAN ASSOCIATE

Box 122

ELLICOTT CITY MD 21043

DRILLER INFORMATION

Joseph L. Mayne 238

Joseph L. Mayne Well Drilling

5512 Ridge Rd. DH. Hwy 2177

Joseph L. Mayne 6/9/87

WELL INFORMATION

APPROX. PUMPING RATE (GAL. PER MIN.) 3

AVERAGE DAILY QUANTITY NEEDED (GAL. PER DAY) 500

USE FOR WATER (CIRCLE APPROPRIATE BOX)

- D HOME (SINGLE OR DOUBLE HOUSEHOLD UNIT ONLY)
F FARMING (LIVESTOCK WATERING & AGRICULTURAL IRRIGATION)
I INDUSTRIAL, COMMERCIAL, STATE AND FEDERAL GOV. OTHER (REQUIRES APPROPRIATION PERMIT)
P PUBLIC OR PRIVATE WATER COMPANY (REQUIRES APPROPRIATION PERMIT AND STATE HEALTH DEPARTMENT APPROVAL)
T TEST, OBSERVATION, MONITORING (MAY REQUIRE APPROPRIATION PERMIT)

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
other

REPLACEMENT OR DEEPEMED WELLS (CIRCLE APPROPRIATE BOX)

- N THIS WELL WILL NOT REPLACE AN EXISTING WELL
Y THIS WELL WILL REPLACE A WELL THAT WILL BE ABANDONED AND SEALED
S THIS WELL WILL REPLACE A WELL THAT WILL BE USED AS A STANDBY
D THIS WELL WILL DEEPEM AN EXISTING WELL
PERMIT NUMBER OF WELL TO BE REPLACED OR DEEPEMED (IF AVAILABLE)

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

APPROX. PERMIT NUMBER GAP

FORCE B WRITE INITIALS IN BOX PERMIT No. 40-81-2162

SPECIAL CONDITIONS

B 3

LOCATION OF WELL

HOWARD

GLENWOOD SPRINGS

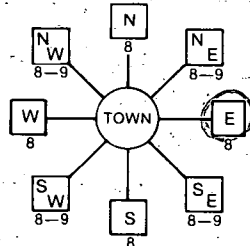
SECTION 3 LOT 3

GLENWOOD

MILES FROM TOWN (enter 0 if in town) 1/2 MI

B 4

DIRECTION OF WELL FROM TOWN (CIRCLE BOX)



Glenwood Spring Dr.

ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX)



DISTANCE FROM ROAD 25 ENTER FT or MI F4

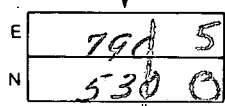
NOT TO BE FILLED IN BY DRILLER HEALTH DEPARTMENT APPROVAL

HOWARD COUNTY NAME A38015 COUNTY NO.
OEP STATE HEALTH
SIGNATURE DATE ISSUED 063087 B Nolon 12/30/87
NORTH GRID 530000 EAST GRID 0795000

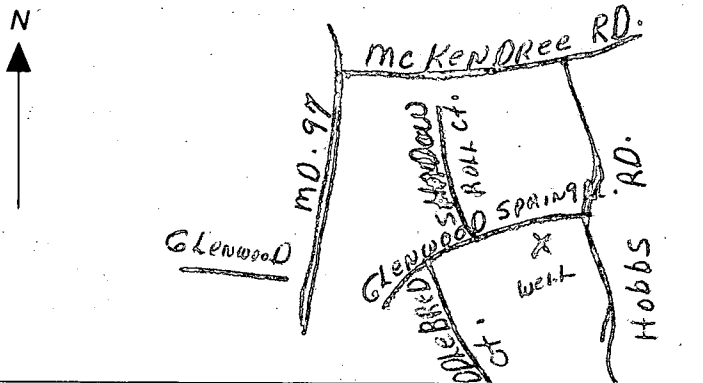
SHOW MAJOR FEATURES OF BOX & LOCATE WELL WITH AN X

- SOURCES OF DRILLING WATER
1. well
2.
3.

WRITE THE BOX NUMBER FROM THE MAP HERE



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



7/17/97

- ① 33 ft open hole
- ② location looks O.K.
- ③ 41 ft casing 2 ft out of ground
- ④ 8 bags
- ⑤ well O.K.

C1 5964

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 A 38015

DATE RECEIVED

DATE WELL COMPLETED 07/17/89

DEPTH OF WELL 185 (TO NEAREST FOOT)

PERMIT NO. FROM "PERMIT TO DRILL WELL" 40-81-2162

OWNER ASSOCIATES (last name) CARMSN (first name) STREET OR RFD GLENWOOD SPRINGS DRIVE TOWN GLENWOOD SUBDIVISION GLENWOOD SPRINGS SECTION LOT 3

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. Entries: SANDstone (0-35), GRAY MICHA Rock (35-185)

GROUTING RECORD WELL HAS BEEN GROUTED (Y) NO (N) TYPE OF GROUTING MATERIAL CEMENT (CM) BENTONITE CLAY (BC) NO. OF BAGS 8 NO. OF POUNDS 252 GALLONS OF WATER 48 DEPTH OF GROUT SEAL (to nearest foot) from 0 to 33 ft.

CASING RECORD casing types insert appropriate code below MAIN CASING TYPE (S+) Nominal diameter top (main) casing (nearest inch) (A) Total depth of main casing (nearest foot) (41)

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

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

DEPTH (nearest ft.) (H) 89 185

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. 238

DRILLERS SIGNATURE (MUST MATCH SIGNATURE ON APPLICATION)

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

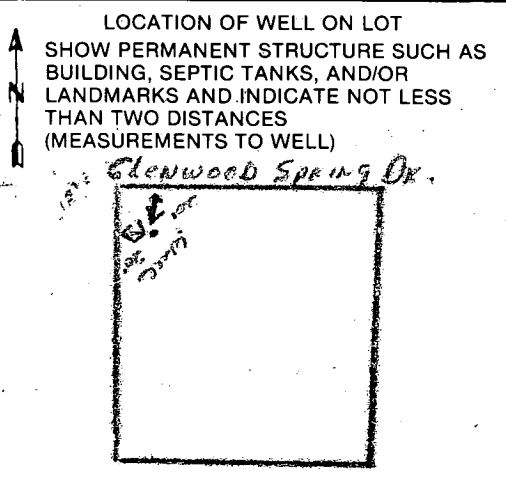
SLOT SIZE 1 2 3 DIAMETER OF SCREEN (NEAREST INCH)

GRAVEL PACK IF WELL DRILLED WAS FLOWING WELL INSERT F IN BOX 68

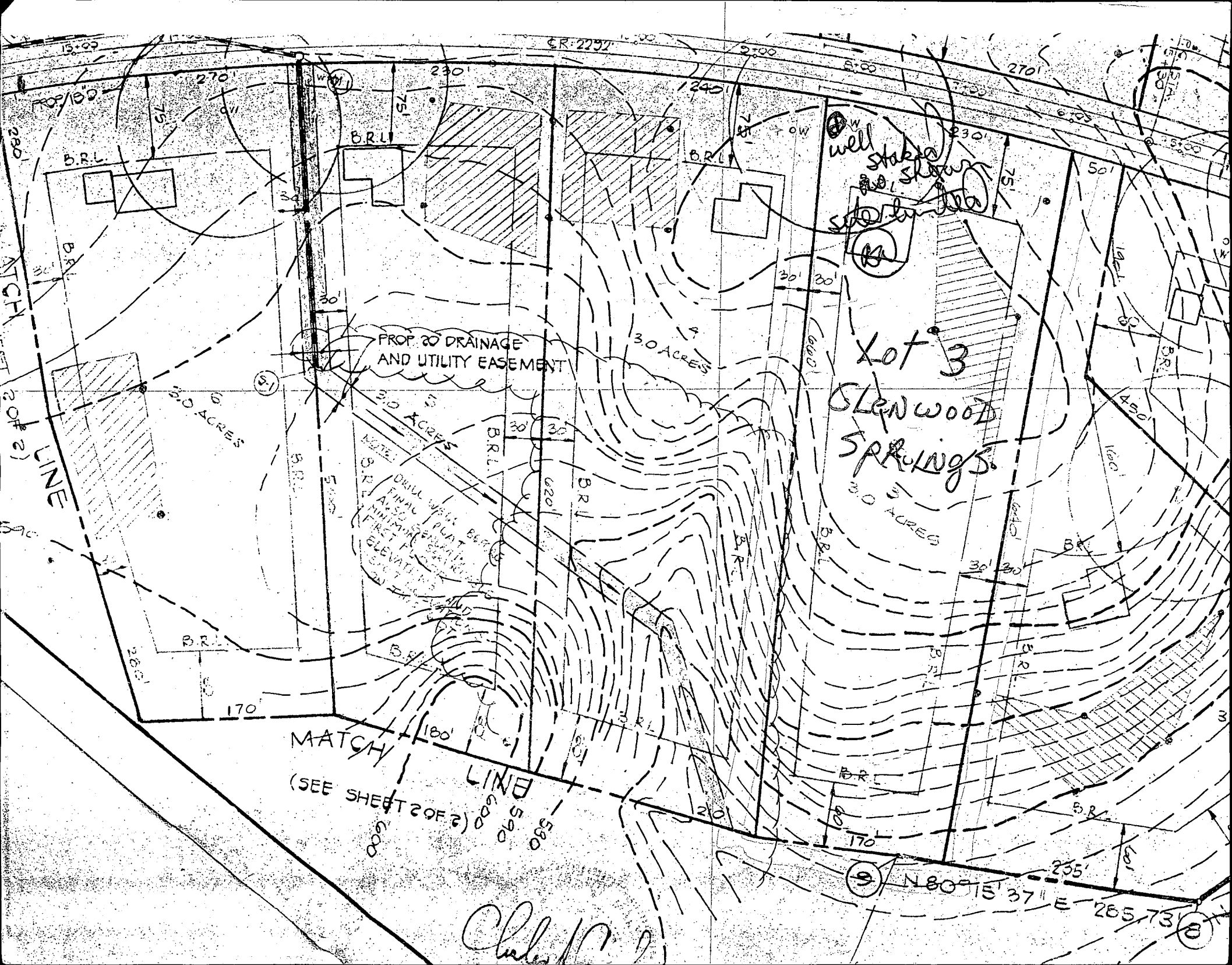
OEP USE ONLY (NOT TO BE FILLED IN BY DRILLER) T (E.R.O.S.) WQ TELESCOPE CASING LOG INDICATOR OTHER DATA

PUMPING TEST HOURS PUMPED (nearest hour) 3 PUMPING RATE (gal. per min. to nearest gal.) 5 METHOD USED TO MEASURE PUMPING RATE (see log) WATER LEVEL (distance from land surface) BEFORE PUMPING 26 WHEN PUMPING 102 TYPE OF PUMP USED (for test) (A) air (P) piston (T) turbine (C) centrifugal (R) rotary (O) other (describe below) (J) jet (S) submersible

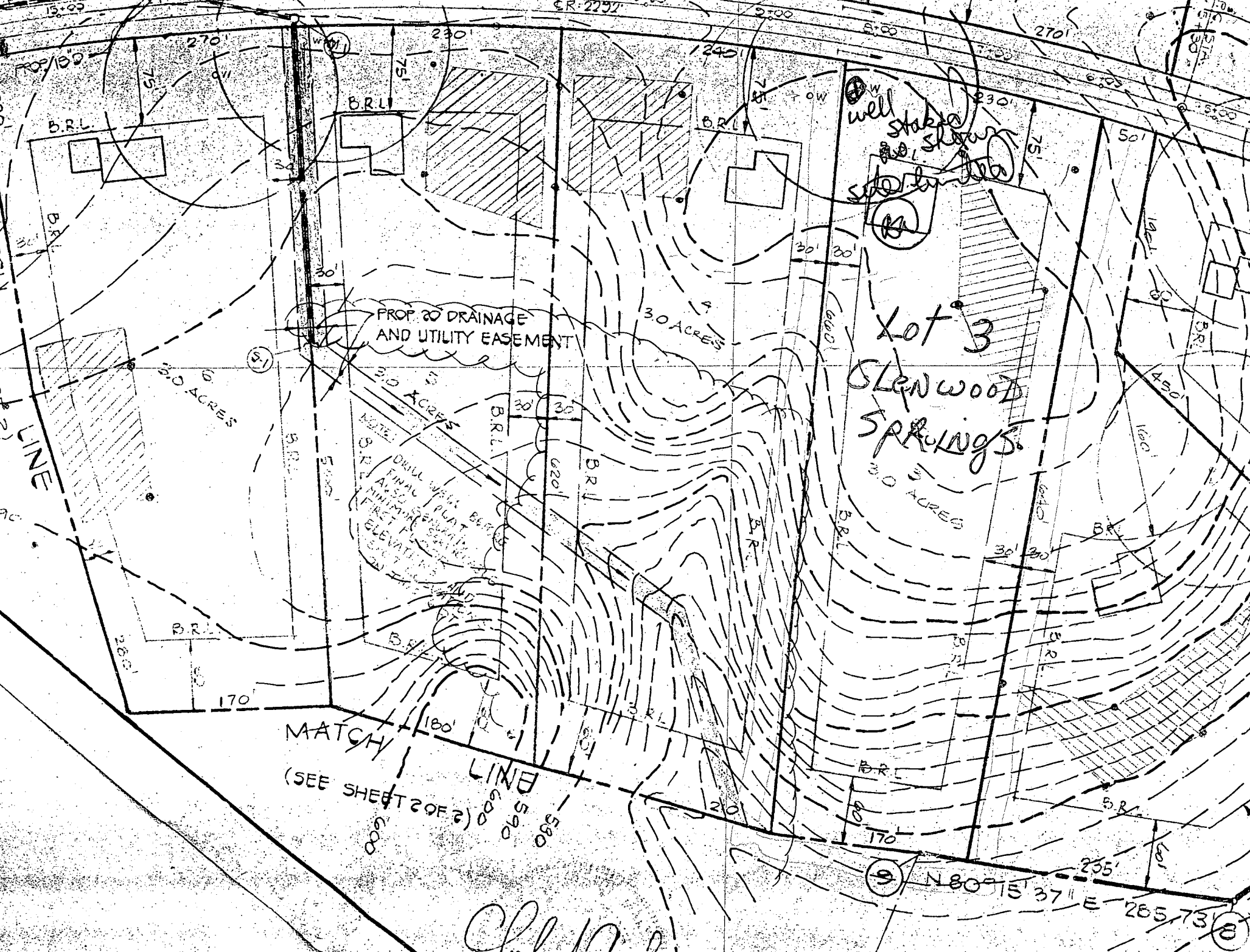
PUMP INSTALLED DRILLER WILL INSTALL PUMP YES (NO) IF DRILLER INSTALLS PUMP, THIS SECTION MUST BE COMPLETED FOR ALL WELLS EXCEPT HOME USE TYPE OF PUMP INSTALLED PLACE (A,C,J,P,R,S,T,O) IN BOX - SEE ABOVE: CAPACITY: GALLONS PER MINUTE (to nearest gallon) PUMP HORSE POWER PUMP COLUMN LENGTH (nearest ft.) CASING HEIGHT (circle appropriate box and enter casing height) (+) above (below) LAND SURFACE (nearest foot)







CR. 2290



PROP 30' DRAINAGE AND UTILITY EASEMENT

Lot 3  
GLENWOOD SPRINGS

NOTE:  
DRILL WELL TO A MINIMUM DEPTH OF 100 FEET TO DETERMINE ELEVATION OF WATER TABLE

MATCH LINE  
(SEE SHEET 2 OF 2)

N80°15'37" E 265.73

Charles P. [Signature]