

# PERMIT

SEWAGE DISPOSAL SYSTEM

MARYLAND STATE DEPARTMENT OF HEALTH

HOWARD COUNTY

BUREAU OF ENVIRONMENTAL HEALTH

461-9933

## INDEXED

DATE SYSTEM APPROVED

INSPECTOR

P 42728

A 38390

DISTRICT \_\_\_\_\_

DATE 10/6/88

11-14-88

JEN

Randy Ayersman

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

ADDRESS 5233 Kalmia Drive, Dayton, Maryland 21036 PHONE 854-0734

SUBDIVISION Glenwood Springs ROAD 2806 Glenwood Springs Dr LOT 42

PROPERTY OWNER Randolph R. Ayersman Ray S. Miller BRYAN HANSON

ADDRESS \_\_\_\_\_

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

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

SEPTIC TANK CAPACITY 1250 GALLONS NUMBER OF BEDROOMS 4

$$\begin{array}{r} 3187 \\ 4 \\ \hline 3174.8 \\ \hline 249.3 \text{ ft trench} \end{array}$$

TRENCHES - 187 sq. ft. per bedroom. Trench to be 3 feet wide. Inlet 4 feet below original grade. Bottom maximum depth 6 feet below original grade. Effective area begins at 4 feet below original grade. 2 feet of stone below distribution pipe.

LOCATION - SHALLOW SYSTEM ONLY. Beginning from the right front lot corner, place 1st trench 220 feet down the right (480) Line and 160 feet off the right line as seen when facing property from Glenwood Springs Drive. Run trenches along contour towards the front (270') lot line.

NOTE - No trench to exceed 100 feet in length. Provide 6" - 8" diameter cleanout and \_\_\_\_\_ or above on septic tank. OK (w)

**BUILDING PERMIT SIGNED**

**AND RETURNED 11-13-02**

B00139340-IG POOL

PLANS APPROVED BY

Bert Nixon

DATE

7/06/87

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(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 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.

**BUILDING PERMIT SIGNED  
AND RETURNED 4/5/02**

B00135211 - DETACHED GARAGE  
6-11-03 B0042317-UG TANK

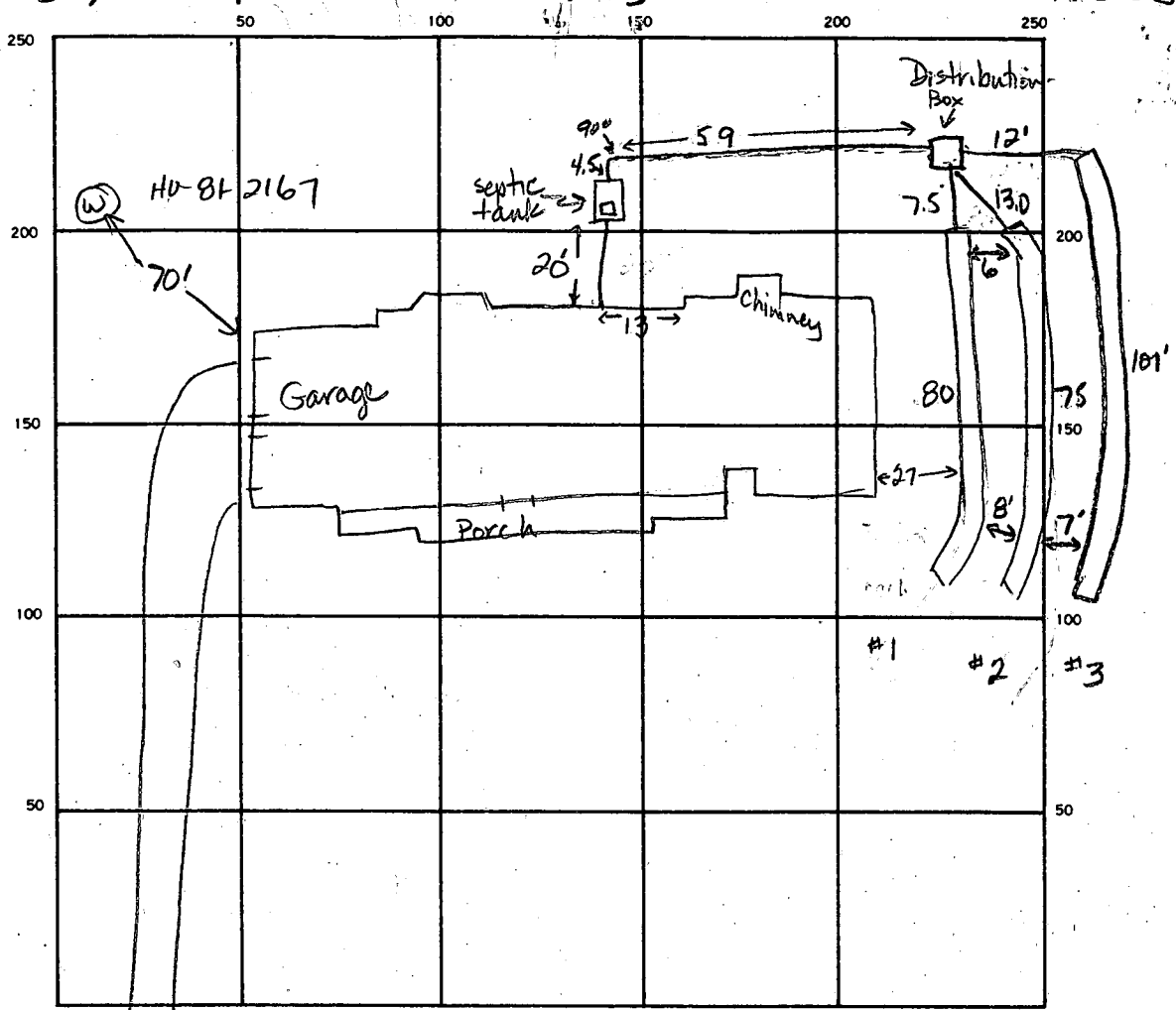
**\*INSTALLER IS RESPONSIBLE FOR OBTAINING FINAL APROVAL ON THIS PERMIT**

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

EH - 2-1186

38390

B<sub>29</sub>  
2.4  
116  
58  
69



11-14-88  
Well pump  
installed &  
trench covered.  
No tag on  
well JEN

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

DRAIN FIELD TILE FIELD. DEPTH 6.0 FT. TRENCH WIDTH 3 FT. INLET DEPTH 10.0 FT.

EFFECTIVE GRAVEL DEPTH 2 3 2 FT. TOTAL LENGTH 80 75 101 FT.

NUMBER OF TRENCHES 2 ONE SIDEWALL BOTTOM AREA 240 225 303 SQ. FT.

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

ABSORBENT AREA 768 SQ. FT.

85  
3  
255

contractor to keep trench depth at 6.0 ft. Must have  
more trench (3-85 ft ok) OK to stone trench when excavated. Call for  
final. JEN 11-14-88 OK to cover all work. Need cover on septic  
tank cleanout. Need to grout house connection. JEN

C1 5975 SEQUENCE NO. (OEP USE ONLY)

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 A 38390

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

DATE Received DATE WELL COMPLETED 090717

Depth of Well 345 (TO NEAREST FOOT)

PERMIT NO. FROM "PERMIT TO DRILL WELL" HO-81-2167

OWNER ASCOCIATES CARMEN STREET OR RFD GLENWOOD SPRINGS DRIVE TOWN GLENWOOD SUBDIVISION GLENWOOD SPRINGS SECTION LOT 42

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 handwritten entries: SAND, GRAY Mic. a Rock, 0 46, 46 345.

GROUTING RECORD WELL HAS BEEN GROUTED (Circle Appropriate Box) TYPE OF GROUTING MATERIAL CEMENT CM BENTONITE CLAY BC NO. OF BAGS 14 NO. OF POUNDS 1316

PUMPING TEST HOURS PUMPED (nearest hour) 6 PUMPING RATE (gal. per min. to nearest gal.) 2 METHOD USED TO MEASURE PUMPING RATE Bucket WATER LEVEL (distance from land surface) BEFORE PUMPING 30 WHEN PUMPING 111 TYPE OF PUMP USED (for test) S submersible

CASING RECORD casing types insert appropriate code below ST CO STEEL CONCRETE PL OT PLASTIC OTHER

MAIN CASING TYPE ST Nominal diameter top (main) casing (nearest inch) 1 Total depth of main casing (nearest foot) 345

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.) HO 49 345

- 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

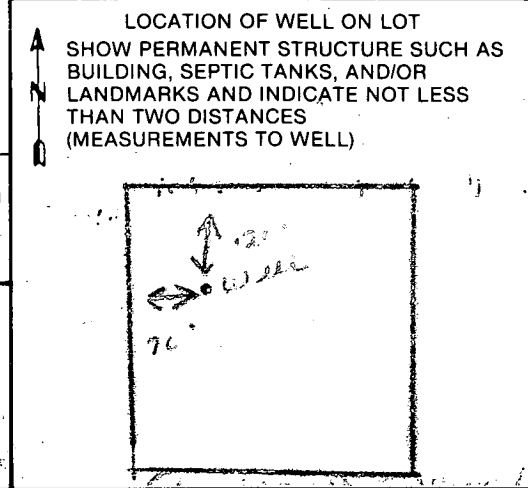
DRILLERS SIGNATURE (MUST MATCH SIGNATURE ON APPLICATION)

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

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

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)



# APPLICATION

PERCOLATION TESTING

A 38390  
P \_\_\_\_\_

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

DISTRICT \_\_\_\_\_  
DATE 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 \_\_\_\_\_

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

PROSPECTIVE BUYER Ronald Carter

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

PROPERTY LOCATION:

SUBDIVISION Hakes Property LOT NO. Forty Two

ROAD AND DESCRIPTION Hobbs Road 2806 Glenwood Springs Dr Return on 4/29/87

TAX MAP 14 PARCEL # 87,83,202

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 B. Carter  
(SIGNATURE OF APPLICANT)

APPROVED BY Sidney Alford FOR Shallow Trench DATE 3-28-88

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

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

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

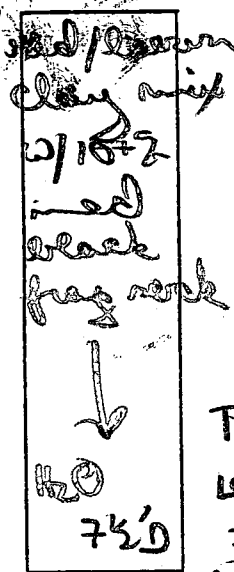
BLDG. PERMIT SIGNED  
AND RETURNED 3/28/88 BP 17452  
8AC 3/28/88 82

# THIS IS NOT A PERMIT

$\bar{x} = 7 \frac{1}{2}$  MIN SHALLOW SYSTEM ONLY

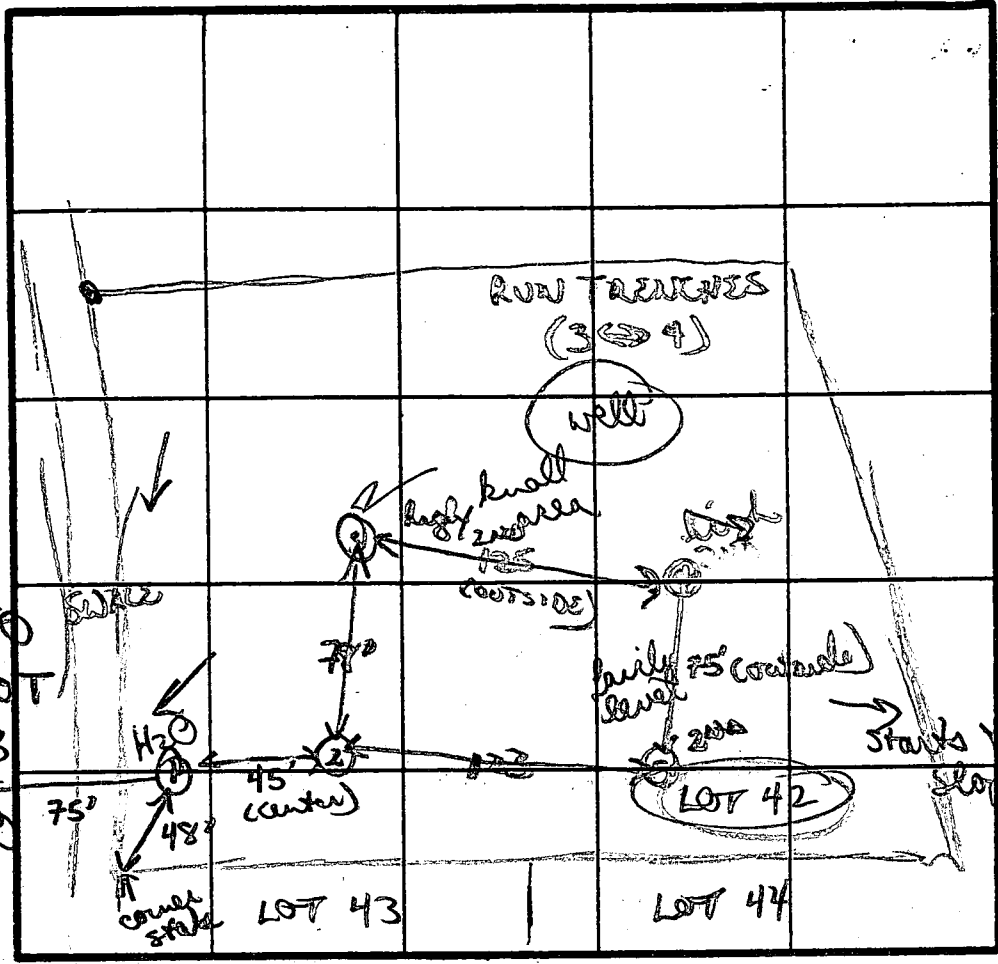
INLET 4'  
MAX D 6'  
18" Ø / 150 RM

SOIL PROFILE



red/orange clay 3 1/2'  
clay loam 4'  
to orange silty loam  
↓  
8'  
10-15% small angular frags  
↓  
11' D

similar to #2  
but w/  
5-10% small scattered frags 8 1/2'  
↓  
10 1/2' D



orange/red clay/clay loam 4'  
purple/orange loam silty mix ↓ 8'  
brown silty loam 5% small scattered 11 1/2' D

orange/red clay 3 1/2'  
to orange purple silty scattered clay loam

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME	
			START	STOP	START	STOP		
11/20/87	①	(H <sub>2</sub> O 7 1/2')			next	used		
	②	4' S	343	348	348	355	7 MIN	
		8' M	342	346	346	353	7 MIN	
		11' D	bottom (see profile)					
	③	4 1/2' S	333	340	340	349	9 MIN	
		7' M	332	339	339	350	11 MIN	
		10 1/2' D	bottom (see profile)					
	④	4' S	349	352	352	357	5 MIN	
		11 1/2' D	bottom (see profile)					
	⑤	4 1/2' S	352	355	355	400	5 MIN	
		11' D	bottom (see profile)					

REMARKS: hole 2 4-5' higher elevation than 1 & completely out of swale  
TYPE OF SOIL: red/orange clays; orange/purple silty loams  
TESTED BY: B Nijon  
ALSO PRESENT: Phil, Cliff, Kathy

EH-126078

FIELD DATA SHEET  
HOWARD COUNTY WELL YIELD TEST

Well Permit No. HO - 81-2167  
 Location of property (road) GLENWOOD SPRINGS DRIVE  
 Subdivision GLENWOOD SPRINGS DR. Lot 42 Block          Plat          Sec.           
 Well Driller JOSEPH MAYNE Owner ASSOCIATES, CARMEN

Depth of well 345'  
 Distance of measuring point (M.P.) above ground 1 1/2'  
 Static water level (S.W.L.) below M.P. 30'

I. High rate pumping -- reservoir drawdown

Time pump started 7:45 Pumping rate 12  
 Total time 45 min to reach pumping water level 268 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)
8:00	123	5 sec		12
8:15	198	6 sec		10
8:30	262	6 sec		10
8:45	268	30 sec		2
9:00	268	30 sec		2
9:15	268	30 sec		2
9:30	268	30 sec		2
9:45	268	30 sec		2
10:00	269	30 sec		2
10:15	269	30 sec		2
10:30	269	30 sec		2
10:45	269	30 sec		2
11:00	269	30 sec		2
11:15	269	30 sec		2
11:30	271	28-30 sec		2
11:45	271	30 sec		2
12:00	271	30 sec		2
12:15	271	30 sec		2
12:30	271	30 sec		2
12:45	271	30 sec		2
1:00	271	30 sec		2
1:15	271	30 sec		2
1:30	271	30 sec		2
1:45	271	30 sec		2
2:00	271	30 sec		2
2:15	271	30 sec		2
2:30	271	30 sec		2

8/16/88 ANYTIME

8/16 Partial  
Cap tight  
& No tanks in  
placement  
with paper - loose  
in house C.B.S.

HOWARD COUNTY HEALTH DEPARTMENT  
Bureau of Environmental Health  
3525-H Ellicott Mills Drive  
Ellicott City, MD 21043  
461-9933

APPLICATION FOR PITLESS ADAPTER, WELL PUMP AND PRESSURE TANK INSTALLATION

New Installation  Replacement   
Receipt # 42323  
Date 8/9/88  
Name of Installer WOOD & WILLOUGHBY PLBG SERV. Telephone 391-4923  
License Number MD 7040  
Certified Well Pump Installer  Well Driller  Registered Plumber   
Name of Property Owner AYERSMAN Telephone 854-0784  
Subdivision GLENWOOD SPRINGS Lot # 42 Well Tag # 40-81-2167  
Site Address 2806 GLENWOOD SPRINGS DRIVE  
GLENWOOD MD

Pump  
1. Type  
a. Deep well jet   
b. Shallow well jet   
c. Submersible   
2. Make GOULDS  
3. Model # SEOS 422  
4. Capacity 5 GPM  
5. Pump exceeds well capacity Yes  No   
6. If Yes, is low pressure cutoff switch installed? Yes  No   
7. What methods are used to protect the pump and electrical wiring from vibrations? Torque arrestors yes Cable guards yes Other ties

Motor  
1. Horsepower 1/2  
2. RPM 1750  
3. Voltage 230  
a. 110   
b. 220

Pitless Adapter  
1. Make   
2. Model # PRESSURIZOO  
3. Depth 4'

Tank  
1. Capacity 40 GAL.  
2. Pressure relief valve? 75 PSI

Piping  
1. Type POLYBUTYLENE  
2. Size 1"  
3. NSF and/or BOCA Code approved yes  
4. Depth of supply line 4'

Well data  
1. Depth 245 ft.  
2. Yield 2 GPM  
3. Static water level 30 ft.  
4. Will water supply be disinfected by installer? NO

I understand that it is my responsibility to notify the Howard County Health Department when the installation is ready for inspection (otherwise this permit is null and void).

All information given above is true to the best of my knowledge.

Signature of Applicant: Tom A Wood  
Date: 8/9/88  
Partial 8/16/88  
21670 Cap tight -  
(3) No plumbing in house

Note: A sticker indicating approval/status of the installation will be placed on the well casing at the time of the inspection.

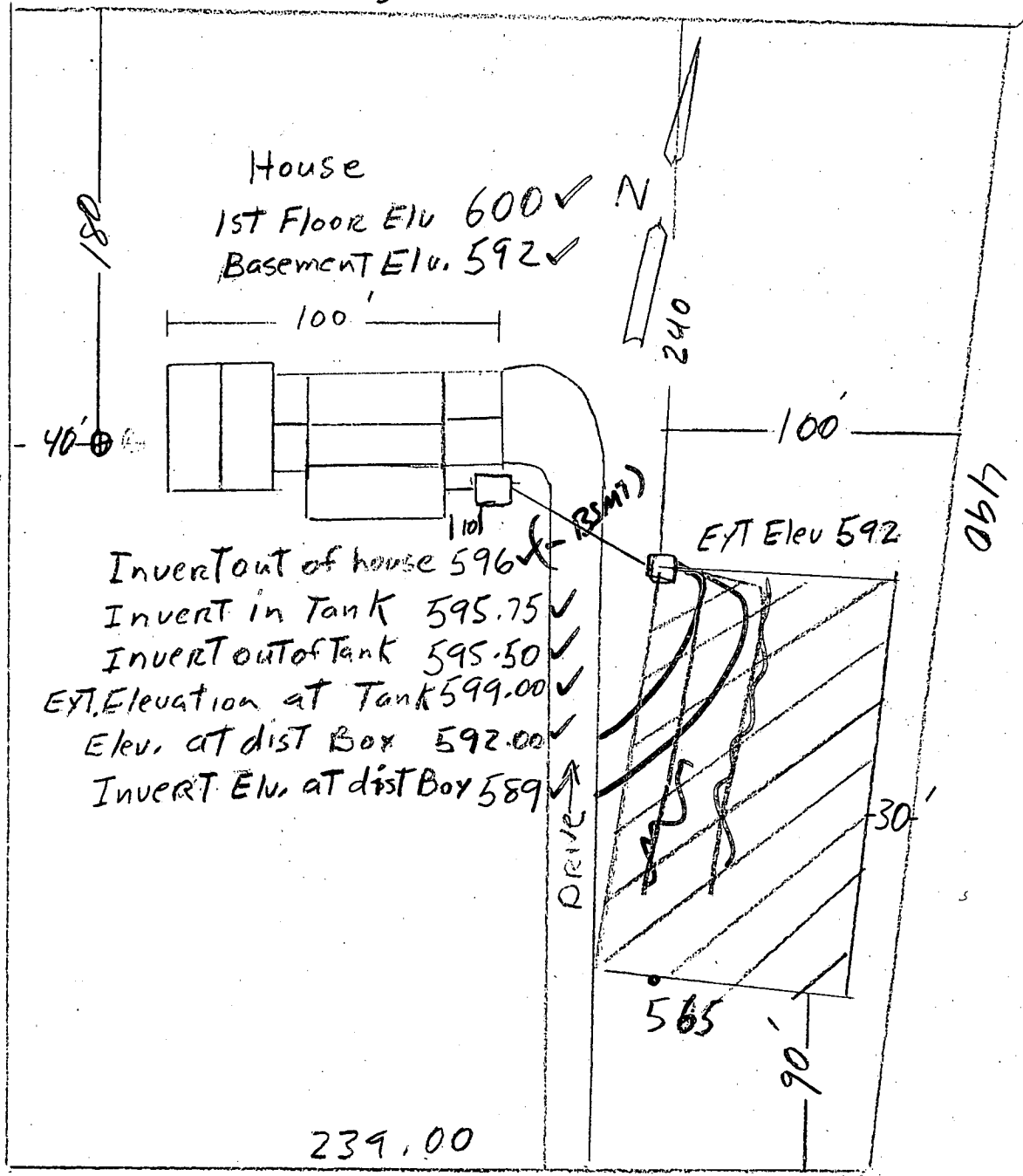
HD-215 8/16/88 lines ok to cover from house to well only C.B.S.



Lot 42 Glenwood Springs

Randolph R. Ayersman  
5233 Kalmia Dr  
Dayton MD. 21036  
854-0734

335



Glenwood Springs Drive

I certify the above measurement & Elevations  
are actual & correct for this property  
Randolph R. Ayersman

3/28/88  
elwattinock  
RAN

BLDG. PERMIT SIGNED  
AND RETURNED 3-28-88  
BP17452  
RAN



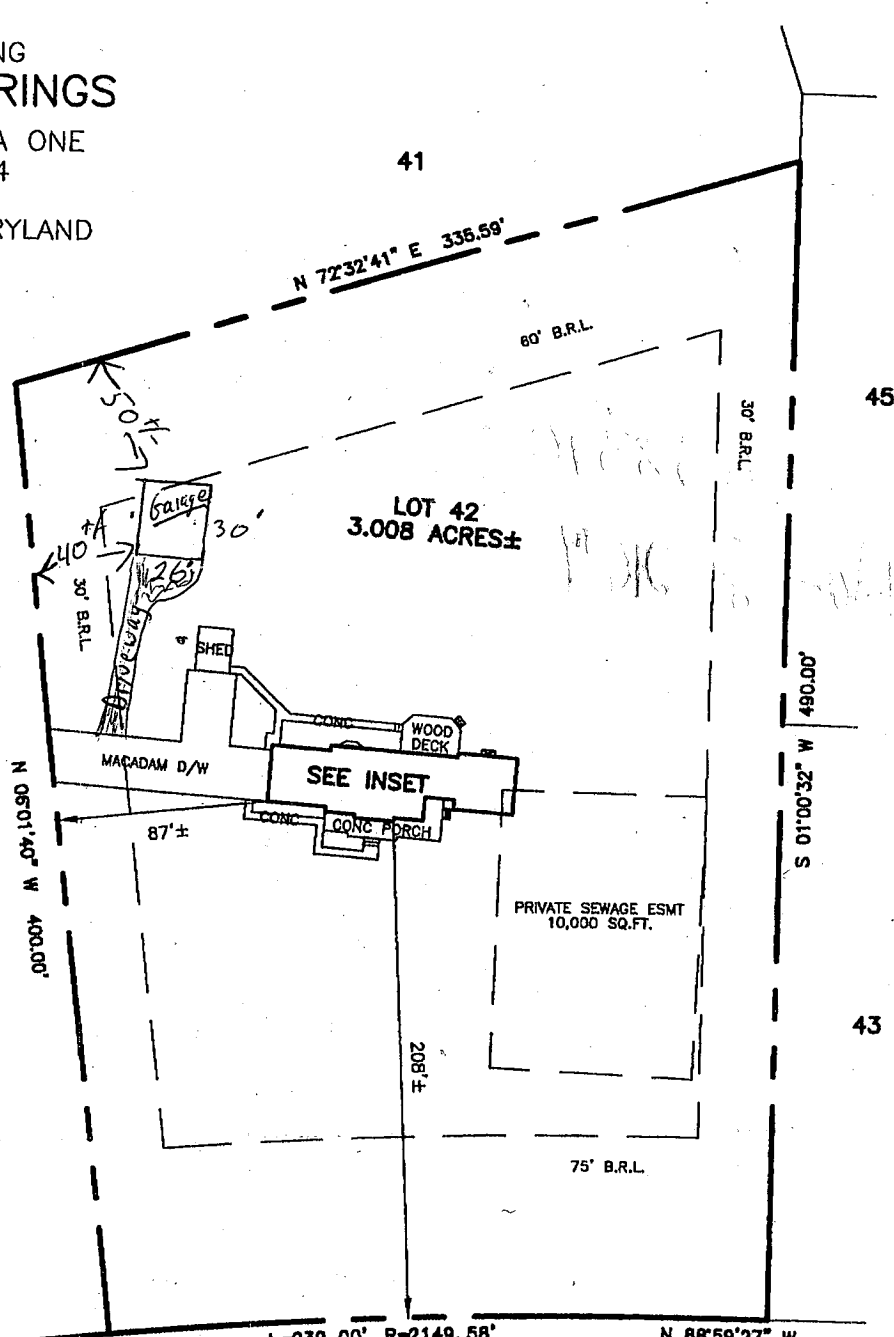
B00P35211

CASE NO. LA 02323EC

# LOCATION DRAWING GLENWOOD SPRINGS

SECTION ONE - AREA ONE  
LOTS 1 THRU 44  
LOT 42  
HOWARD COUNTY, MARYLAND

NORTH

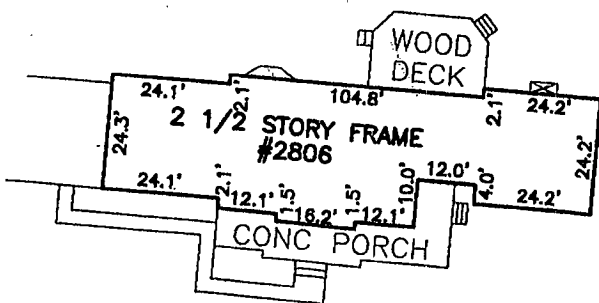


REVISED

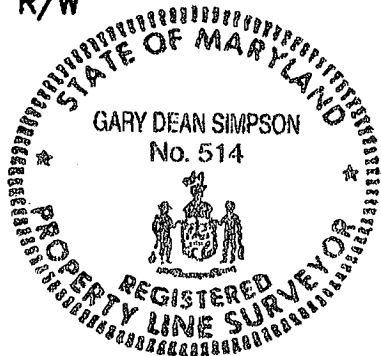
Date: 4-5-02

Comments: *Relocated  
garage per health Dept.*

GLENWOOD SPRINGS DRIVE  
50' R/W



SCALE: 1" = 40'



PROPERTY ADDRESS: 2806 GLENWOOD SPRINGS

THE PROPERTY SHOWN HEREON IS LOCATED IN ZONE C (AREA OF MINIMAL FLOODING) ACCORDING TO NATIONAL FLOOD INSURANCE PROGRAM FIRM 100

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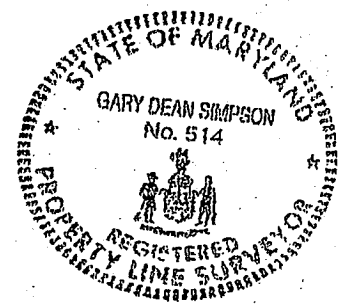
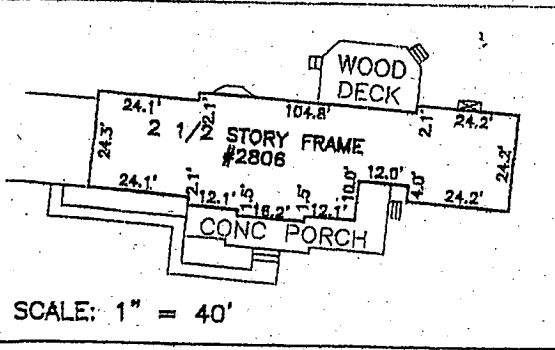
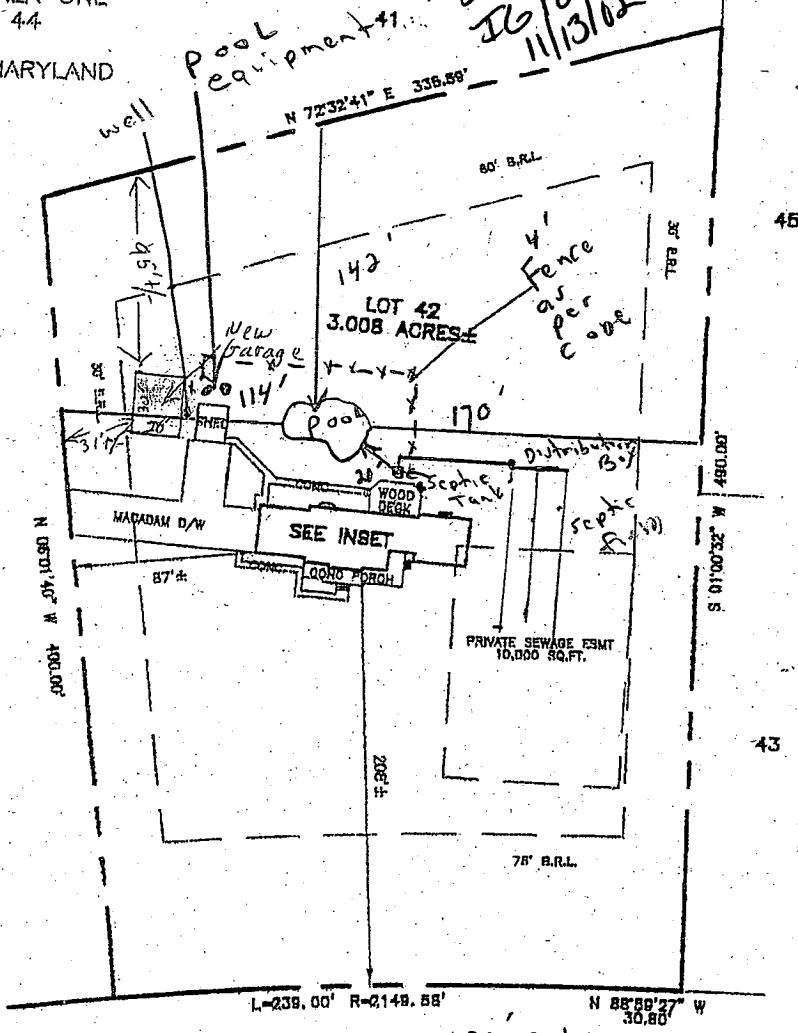
CASE NO. LA 02323EC

2806 Glenwood Springs  
Glenwood, MD. 21738 - 9700

# LOCATION DRAWING GLENWOOD SPRINGS

SECTION ONE - AREA ONE  
LOTS 1 THRU 44  
LOT 42  
HOWARD COUNTY, MARYLAND

800139340  
IC POOL OK'D  
11/13/02 BY G.M.



PROPERTY ADDRESS: 2806 GLENWOOD SPRINGS

THE PROPERTY SHOWN HEREON IS LOCATED IN ZONE C (AREA OF MINIMAL

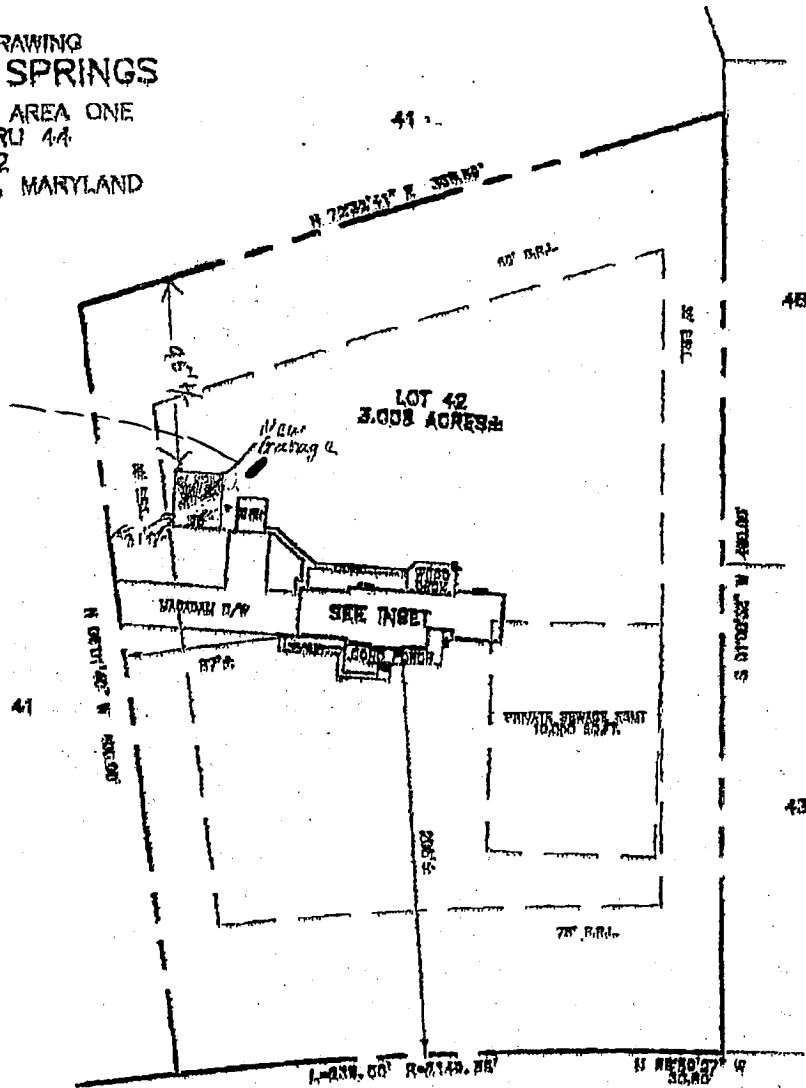
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LOCATION DRAWING  
GLENWOOD SPRINGS

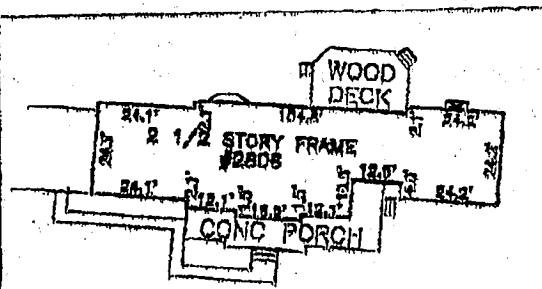
SECTION ONE - AREA ONE  
LOTS 1 THRU 44  
LOT 42  
HOWARD COUNTY, MARYLAND

NORTH

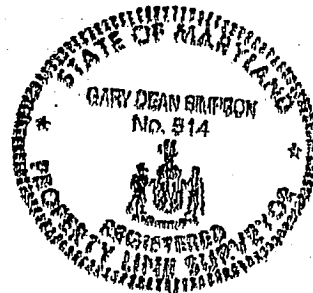
500AG  
LP TANK



GLENWOOD SPRINGS DRIVE  
50' R/W



SCALE: 1" = 40'



THIS DRAWING WAS PREPARED BY THE SURVEYOR'S OFFICE OF THE STATE OF MARYLAND

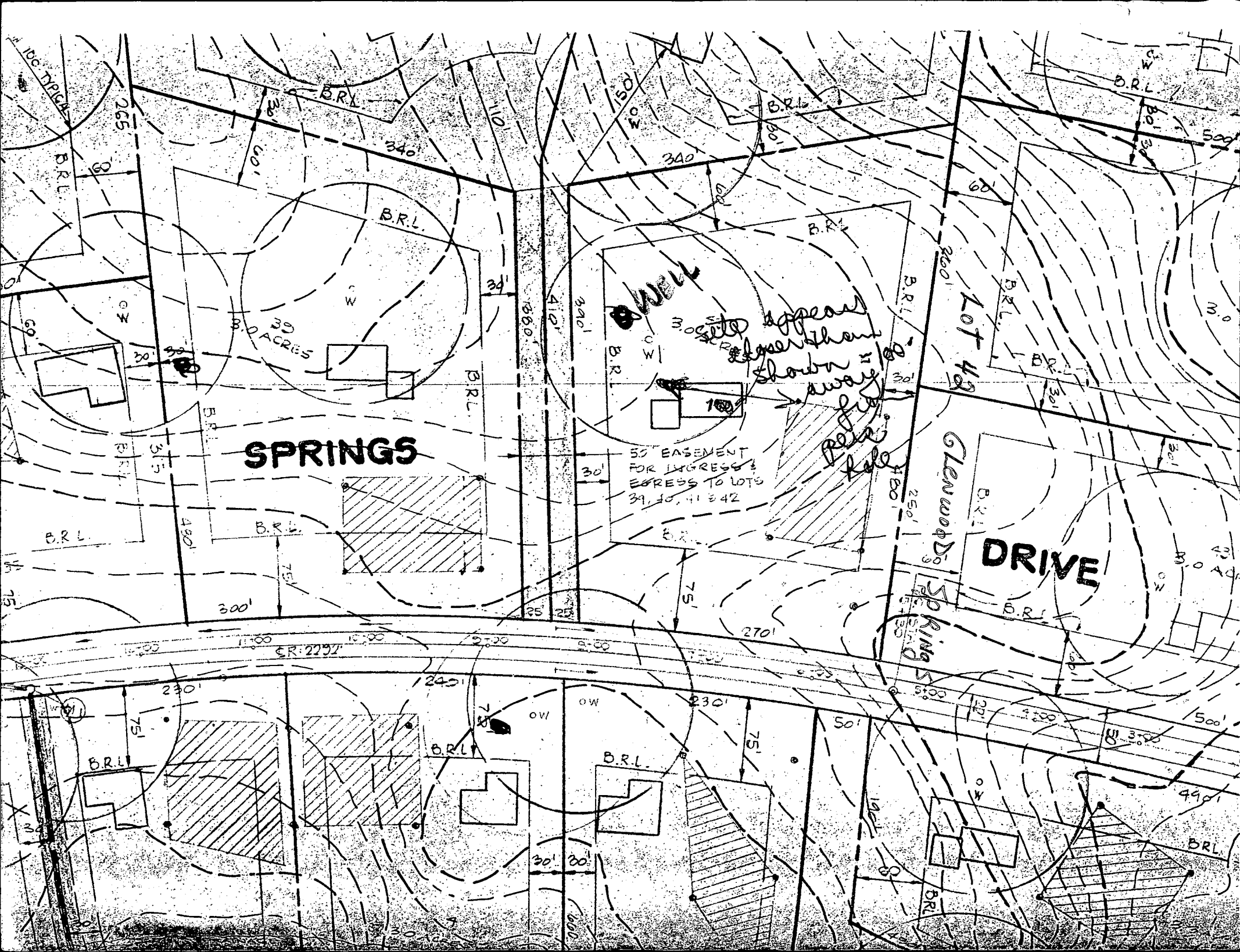
PROPERTY ADDRESS: 2306 GLENWOOD SPRINGS

THE PROPERTY SHOWN HEREON IS LOCATED IN BLOCK & TOWNSHIP OF MARYLAND.

6/11/03 20' from above ground h. P tank to well (50)

800 142317

6/11/03 Proposed LP Tank OK (50)



**SPRINGS**

**WELL**

**DRIVE**

Lot 42

50' EASEMENT FOR EGRESS EXPRESS TO LOTS 39, 40, 41 & 42

Site appears lower than shown away from

Per file

CR: 2292

100 TYPICAL

39.0 ACRES

SPRINGS

B.R.L.

B.R.L.

490'

500'

300'

430'

300'

300'

300'

300'

300'

300'

60'

300'

300'

250'

180'

300'

320'

190'

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270'

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300'

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300'

300'

300'