

4/18/94
to 2:00 or later
11/24/94
to 2:00 or later
38368

PERMIT

File

SEWAGE DISPOSAL SYSTEM

P 52363

DEPARTMENT OF HEALTH AND MENTAL HYGIENE

A 38368

04-346637

DISTRICT 4th

HOWARD COUNTY HEALTH DEPARTMENT

DATE 10/31/94

BUREAU OF ENVIRONMENTAL HEALTH

~~XXXXXX~~ 313-2640

INDEXED

DATE SYSTEM APPROVED 11/21/94

INSPECTOR C. Bel

*Time Expired for
E.C.O.P. Compliance

South Carroll Backhoe/Paul Schissler IS PERMITTED TO INSTALL ALTER

ADDRESS 4410 Salem Bottom Road, Westminster, Maryland 21157 PHONE 87564197

SUBDIVISION Glenwood Springs LOT 20 ROAD 2862 Glenwood Springs Drive

PROPERTY OWNER Dan McCabe

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 3.5 feet below original grade. Bottom maximum depth 5.5 feet below original grade. Effective area begins at 3.5 feet below original grade. 2 feet of stone below distribution pipe.

LOCATION - Place the distribution box 205 feet up the left 708.40 ft. lot line and 250 feet off the same lot line as seen when facing the lot from Glenwood Springs Drive.

Run trenches on contour toward the rear 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 MR 5/6/94

PLANS APPROVED BY Sid Abel/Mark Rifkin REVISED DATE 04 /21/94

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

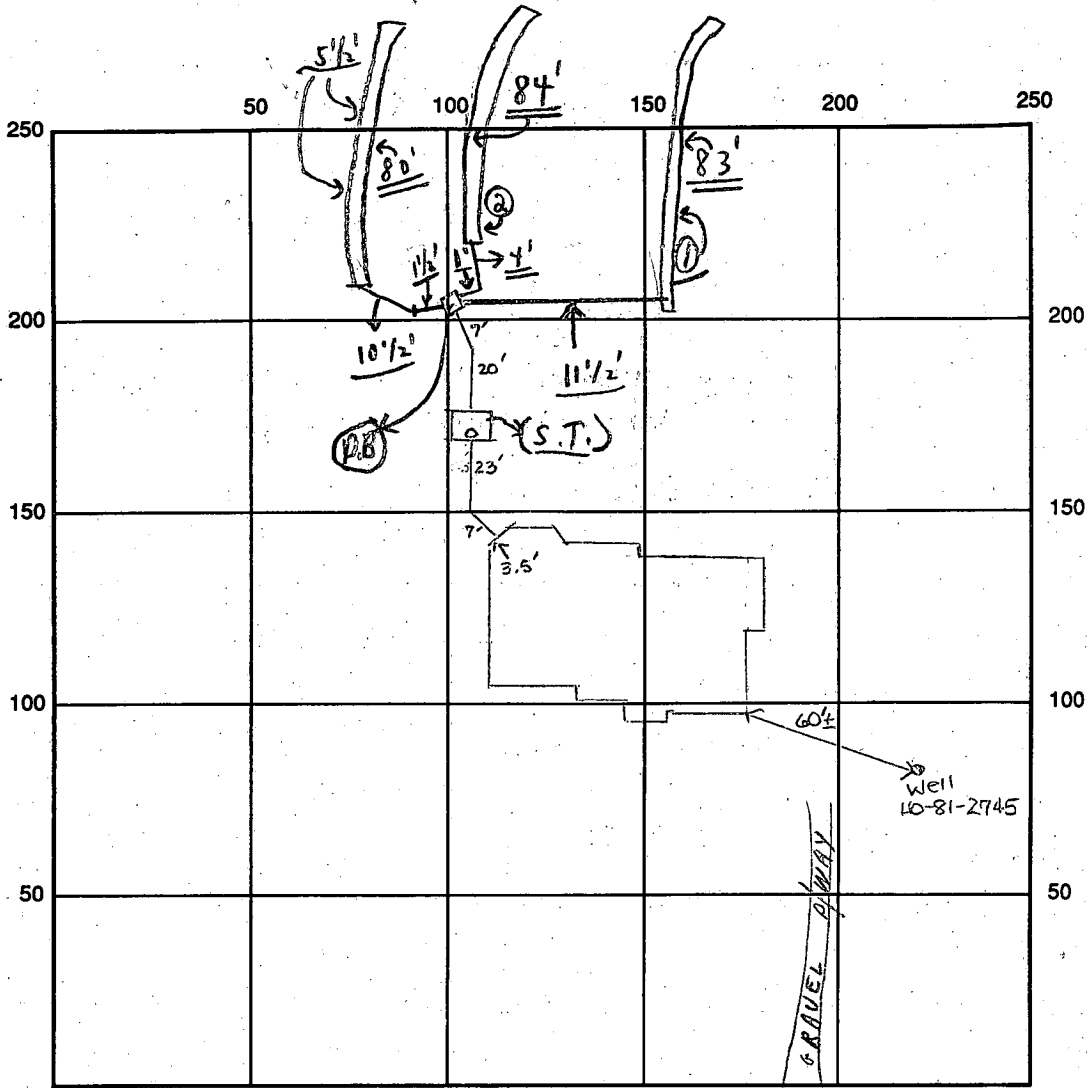
PERMIT VOID AFTER TWO YEARS

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**

A
38368



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE
Glenwood Springs Drive

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

DISTRIBUTION BOX LEVEL OK - (11 1/2 Baffles in)

DRAIN FIELD/TITLE DEPTH 5 1/2 FT. TRENCH WIDTH 3 FT. (INLET DEPTH 3 1/2 FT.)

EFFECTIVE GRAVEL DEPTH 2 FT. (Trench #1 6' #2 average 2 #3 average 2)
TOTAL LENGTH = 83' + 84' + 80' = 247' } #0 4'

NUMBER OF TRENCHES 3 ~~ONE SIDEWALL~~ / BOTTOM AREA 741 SQ. FT.

DRYWALL INSIDE DIAMETER FT. EFFECTIVE DEPTH BELOW INLET FT.

ABSORBENT AREA 741 SQ. FT.

REMARKS: 11/18/94 OK to cover from house to d.b. and continue. OK to change high trench to inlet 4', bottom 6', stone 2' (due to location of pipe exiting house). DKS 11/21/94 Final - ok to cover as finish - last trench - material on site) CB

NOTE (RAIN + MUD 11/21/94)

11/21 No W.P.I. cal

DATE SYSTEM APPROVED 11/21/94 INSPECTOR Charles Bryan

APPLICATION

PERCOLATION TESTING

A 38368

P _____

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

*2/3/87
perc orid
approved plat*

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 DAN McCABE

ADDRESS _____ PHONE 747-3909

PROSPECTIVE BUYER Ronald Carter

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

PROPERTY LOCATION:

SUBDIVISION Hakes Property LOT NO. Twenty Ruled

ROAD AND DESCRIPTION Hobbs Road (2862 Glenwood Springs Drive) 4/29/87

TAX MAP 14 PARCEL # 87,83, 202

~~ELIGIBLE PERMITS~~
AND RETURNED 4/29/87
Serial # 53379 -

SIZE OF LOT 3+ACRES TYPE BLDG. SFD - 4 Bedrooms
(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 Shallow Trenches DATE 5-13-88

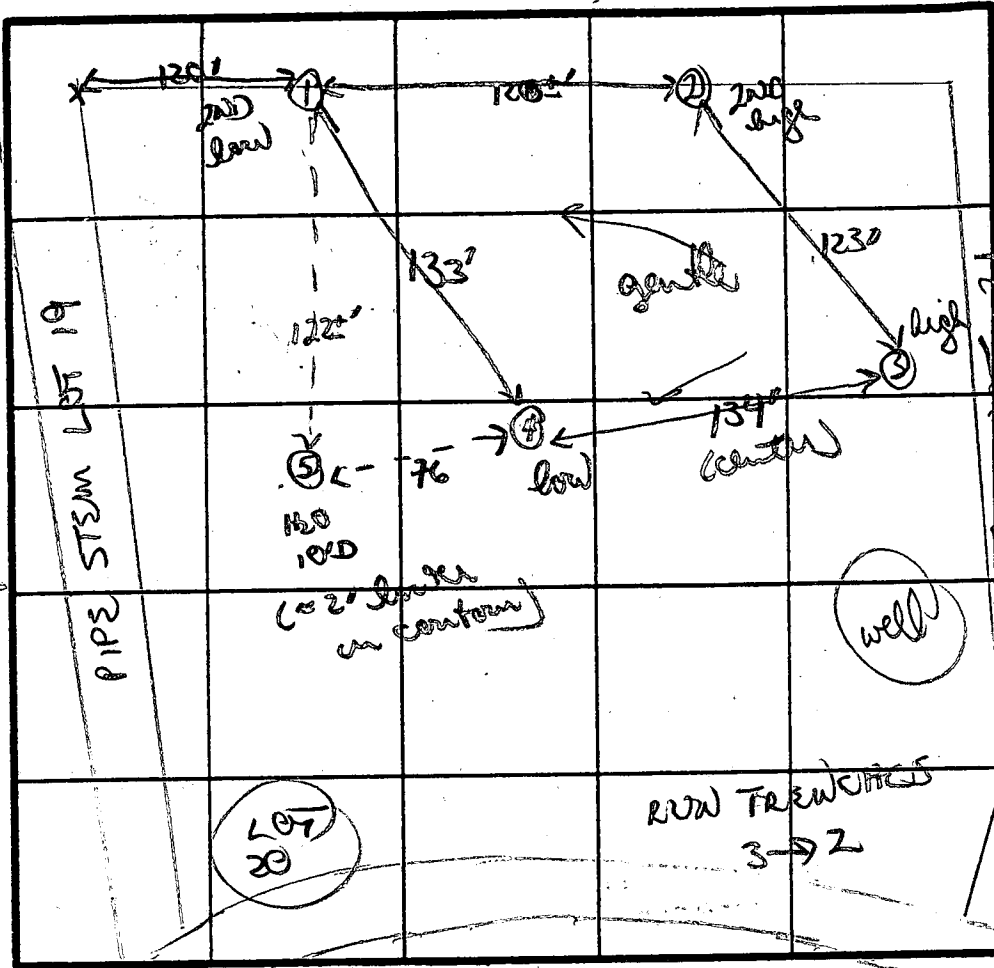
REJECTED BY _____ FOR _____ DATE _____

HOLD PENDING FURTHER TESTS _____ DATE _____

REASONS FOR REJECTION (OR HOLDING) for field located test holes & sub-plat
SHALLOW SYSTEM ONLY

THIS IS NOT A PERMIT

LOT 21



Similar soils to hole #4
 to dark brown 10' to 10'D
 orange chunky brown clay lean 3 1/2'
 to orange brown powdery chunky lean

SOIL PROFILE
 0'
 chunky/gutsy red/orange brown clay 3 1/2'
 to orange brown sandy lean mix
 12'D

red/orange chunky clay to clay lean 3 1/2'
 to orange light brown powdery sandy lean
 11'D

brown/orange clay/clay lean 3 1/2'
 to brown to brown sandy sandy lean
 11'D

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
2/3/87	(2)	3 1/2 S	1040	1045	1045	1051	6 MIN
	common	8' M	1040	1042	1042	1045	3 MIN
		12'D	bottom (see profile)				
	(3)	4' S	1047	1049	1049	1052	3 MIN
		11'D	bottom (see profile)				
	(4)	4' S	1055	1057	1057	1101	4 MIN
		7' M	1056	1058	1058	1107	3 MIN
	(5)	11'D	bottom (see profile)				
	common	11'D 10'	did not use				
		3' S	1108	1114	1114	1128	14 MIN
		8' M	1108	1110	1110	1115	5 MIN
		11'D	bottom (see profile)				

11'D
 X = 5 MIN
 INLET 3 1/2
 MAX D 5 1/2
 F80 1/100

REMARKS: holes 1 & 2 common w/ Lot 21 SHALLOW SYSTEM ONLY
 TYPE OF SOIL: orange/brown clays/clay leans; orange brown sandy lean
 TESTED BY: B Nixson ALSO PRESENT: Cliff

505' 08" 43" W
570.0
575.0
408.63

DB Elev - 576.0
DB In - 572.5
ST Out - 572.8
ST In - 573.2
House Out - 573.5
BP Elev - 574.5
FF Elev - 583.5

B.R.L.

571.0

585' 49" 47" W

Approved Septic System Plan
Howard County Health Department

3.258 AC. ±

Mark E. Kilkun - 4/21/94
Signature Date

T/C TO
BUILDER
TO MAINTAIN
30' MINIMUM
MR 4/21/94

WELL
ELEV =
581.0

350.00'

576
75
63

MATCH

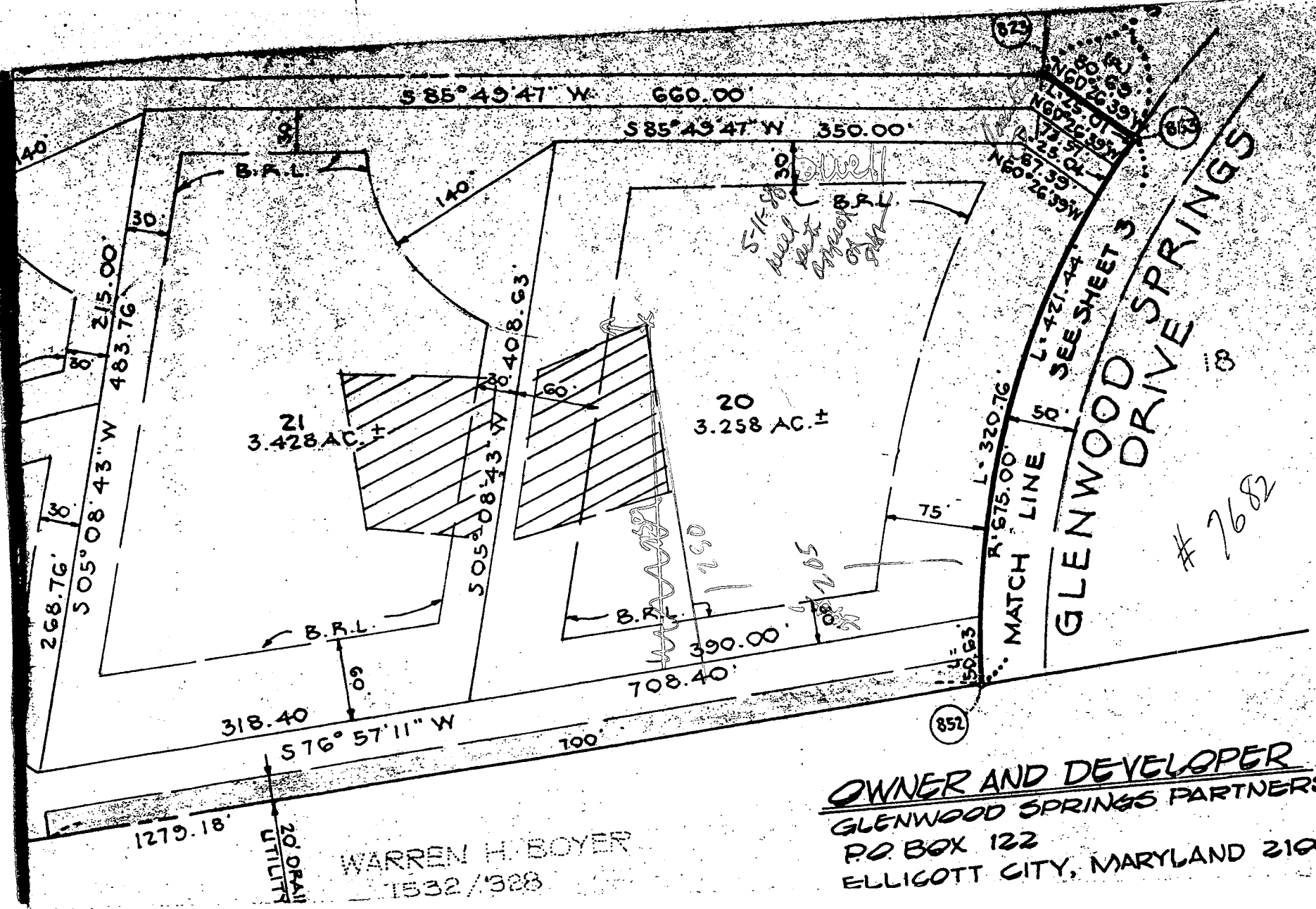
R: 675.00'
L: 320.76'

GLENWOOD
DRIVE SPR
SEE SHEET 3

NOTES
Lot 20
2862 Glenwood Springs Dr.
Glenwood MD 21738
4BR ⇒ 720 SF
3'x2' = 65F
120 LF TRENCH REQ'D
Distance from Well to
Septic Tank = 130'

SCALE
1" = 50'

L: 25.57'
L: 73.26'
L: 17.25'
L: 26.39'
L: 26.39'
L: 26.39'
L: 26.39'



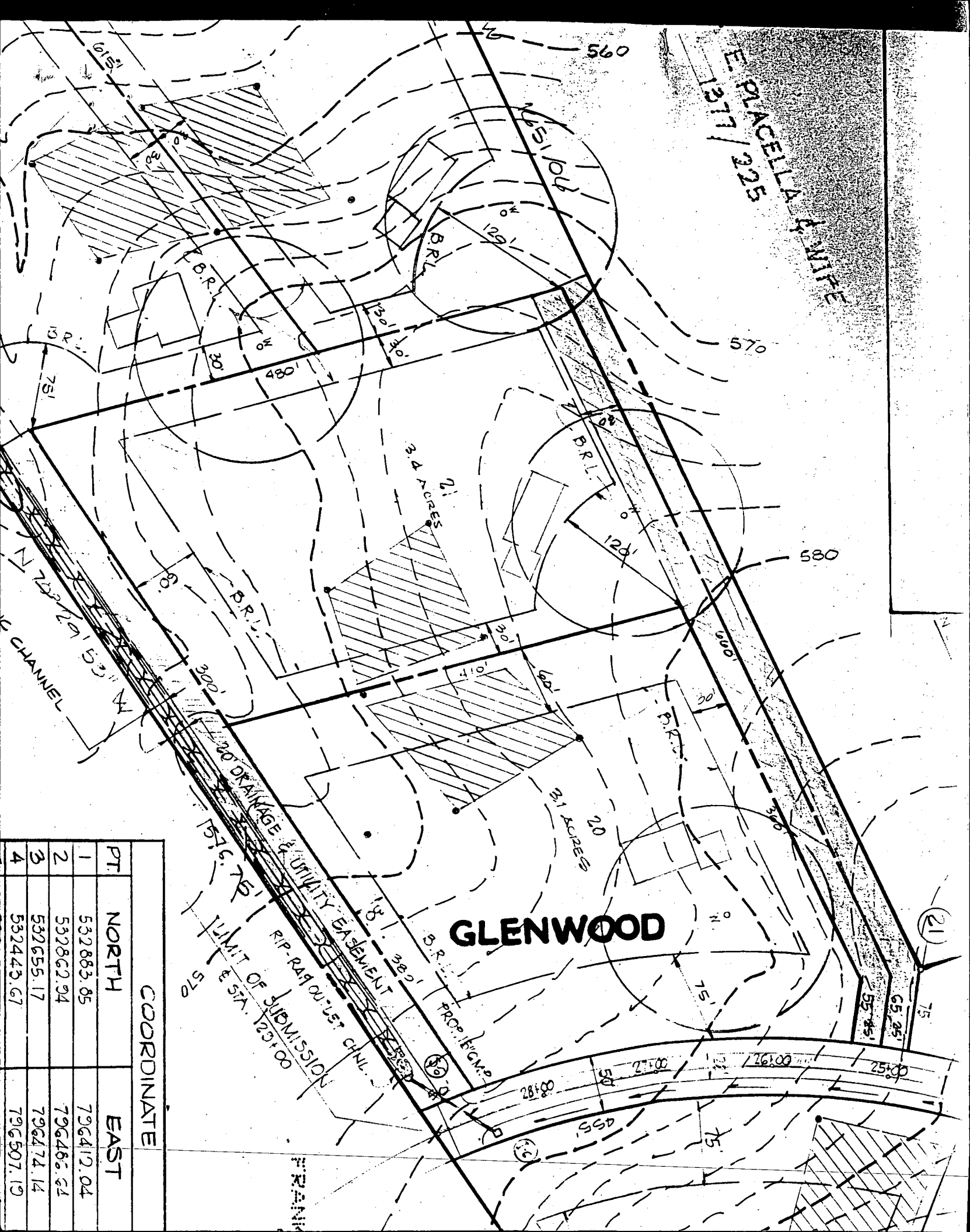
873
 L. 125.00
 R. 26.39
 L. 25.57
 R. 26.39
 L. 87.39
 R. 26.39
 873

L. 320.76
 R. 675.00
 L. 421.44
 MATCH LINE
 SEE SHEET 3
GLENWOOD DRIVE SPRINGS
 # 7682

1279.18'
 20' DRAIN
 UTILITY

WARREN H. BOYER
 1532 / 328

OWNER AND DEVELOPER
GLENWOOD SPRINGS PARTNERSHIP
 P.O. BOX 122
 ELLICOTT CITY, MARYLAND 21043



E. PLACETTA & WIFE
1377/225

GLENWOOD

PT.	COORDINATE	
	NORTH	EAST
1	532883.05	796412.04
2	532862.94	796465.61
3	532655.17	796474.14
4	532443.67	796507.19

C1 9531 SEQUENCE NO. (DENV USE ONLY)
1 2 3 6
(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 A-38368

DATE Received
8 9 10 11 12 13

DATE WELL COMPLETED
15 16 17 18 19 20
06/18/88

Depth of Well
22 23 24 25 26
305
(TO NEAREST FOOT)

PERMIT NO.
FROM "PERMIT TO DRILL WELL"
28 29 30 31 32 33 34 35 36 37
HC-81-2745

OWNER (CROWN ASSOCIATES)
STREET OR RFD last name first name TOWN (Glenwood)
SUBDIVISION (Glenwood Springs) SECTION LOT 20

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	
SHALE	0	56	
GRAY MICHA ROCK	56	305	

GROUTING RECORD
WELL HAS BEEN GROUTED (Circle Appropriate Box) YES NO
TYPE OF GROUTING MATERIAL
CEMENT BENTONITE CLAY
NO. OF BAGS 9 NO. OF POUNDS 816
GALLONS OF WATER 54
DEPTH OF GROUT SEAL (to nearest foot)
from 0 ft. to 30 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 Nominal diameter top (main) casing (nearest inch) Total depth of main casing (nearest foot)
ST 4 63
60 61 63 64 66 70

OTHER CASING (if used)
EACH CASING 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

C2
DEPTH (nearest ft.)
EACH SCREEN
1 HO 02 305
2
3
18 9 11 15 17 21
23 24 26 30 32 36
38 39 41 45 47 51
SLOT SIZE 1 2 3
DIAMETER OF SCREEN (NEAREST INCH)
56 60
from to

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. 239

DRILLERS SIGNATURE (MUST MATCH SIGNATURE ON APPLICATION)

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

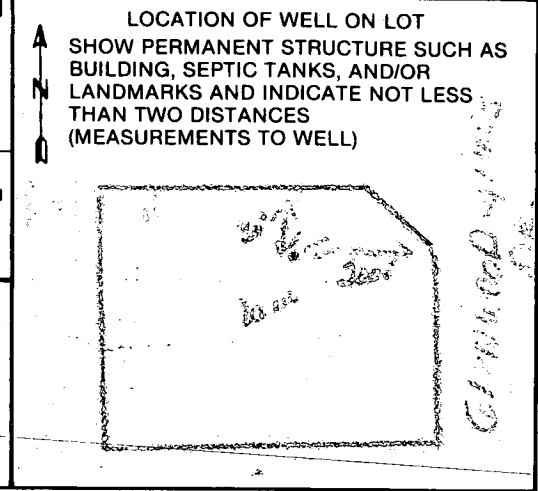
GRAVEL PACK IF WELL DRILLED WAS FLOWING WELL INSERT F IN BOX 68

OEP USE ONLY (NOT TO BE FILLED IN BY DRILLER)
T (E.R.O.S.) WQ
70 72 74 75 76

TELESCOPE CASING LOG INDICATOR OTHER DATA

C3
PUMPING TEST
HOURS PUMPED (nearest hour) 3
PUMPING RATE (gal. per min. to nearest gal.) 4
METHOD USED TO MEASURE PUMPING RATE Bucket
WATER LEVEL (distance from land surface)
BEFORE PUMPING 20
WHEN PUMPING 203
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 (CIRCLE) YES NO
IF DRILLER INSTALLS PUMP, THIS SECTION MUST BE COMPLETED FOR ALL WELLS EXCEPT HOME USE
PLACE (A,C,J,P,R,S,T,O) IN BOX - SEE ABOVE:
CAPACITY: GALLONS PER MINUTE (to nearest gallon) 31 35
PUMP HORSE POWER 37 41
PUMP COLUMN LENGTH (nearest ft.) 43 47
CASING HEIGHT (circle appropriate box and enter casing height)
+ above } LAND SURFACE (nearest foot)
- below }



~~fax #~~ 410-313-2448
313-2640

410-313-6100
6300

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 X
Replacement _____

Receipt # _____
Date 2-24-95

Name of Installer D.R. Bassett Plb. & Heating

Telephone 695-8889

License Number 10609
Certified Well Pump Installer _____

Well Driller _____ Registered Plumber X

Name of Property Owner Dan Member

Telephone 410-721-2090

Subdivision Glenwood Springs Lot # 20
Site Address 2802 Glenwood Springs Dr.
2802

Well Tag # 40-81-2245

- Pump
- Type
 - Deep well jet _____
 - Shallow well jet _____
 - Submersible X
 - Make Goulds
 - Model # 2443079004
 - Capacity 5 GPM
 - Pump exceeds well capacity Yes _____ No X
 - If Yes, is low pressure cutoff switch installed? Yes _____ No X
 - What methods are used to protect the pump and electrical wiring from vibrations? Torque arrestors X Cable guards _____ Other tape

- Motor
- Horsepower 3/4
 - RPM 3450
 - Voltage 230
 - 110 _____
 - 220 X

- Pitless Adapter
- Make Cambel
 - Model # B-10X
 - Depth 48"

- Tank
- Capacity V100
 - Pressure relief valve? yes

- Piping
- Type polyethylene
 - Size 1"
 - NSF and/or BOCA Code approved yes
 - Depth of supply line 48"

- Well data
- Depth 305 ft.
 - Yield 15 GPM
 - Static water level 26 ft.
 - 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: D.R. Bassett

Date: 2-24-95

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