

04-346629

PERMIT

SEWAGE DISPOSAL SYSTEM

MARYLAND STATE DEPARTMENT OF HEALTH

P 43158

A 38367

DISTRICT _____

DATE 12/2/88

DATE SYSTEM APPROVED 5-8-89

INSPECTOR JEN

HOWARD COUNTY

BUREAU OF ENVIRONMENTAL HEALTH

461-9933

INDEXED

Santower Builders 695-8310
Frederick, MD

Thomas Crummitt

IS PERMITTED TO INSTALL ALTER _____

ADDRESS 900 Oak Drive, Frederick, Maryland PHONE 662-5491

SUBDIVISION Glenwood Springs ROAD 2868 Glenwood Springs LOT 19

PROPERTY OWNER Christopher Lockard 301-972-2440

ADDRESS _____

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

GARBAGE GRINDER? YES NO _____

SEPTIC TANK CAPACITY 2000 GALLONS NUMBER OF BEDROOMS 4

220
3188.0
293 ft trench

TRENCHES - 220 sq. ft. per bedroom with garbage disposal. 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 120 feet down the right (599.25') lot line and 10 feet off the same lot line as seen when facing the lot from Right-of-way off Glenwood Springs Drive. Run trenches on contour toward the front of lot.

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

FRONT-LEFT PART OF LOT.

PLANS APPROVED BY Sid Abel DATE 5/13/88

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

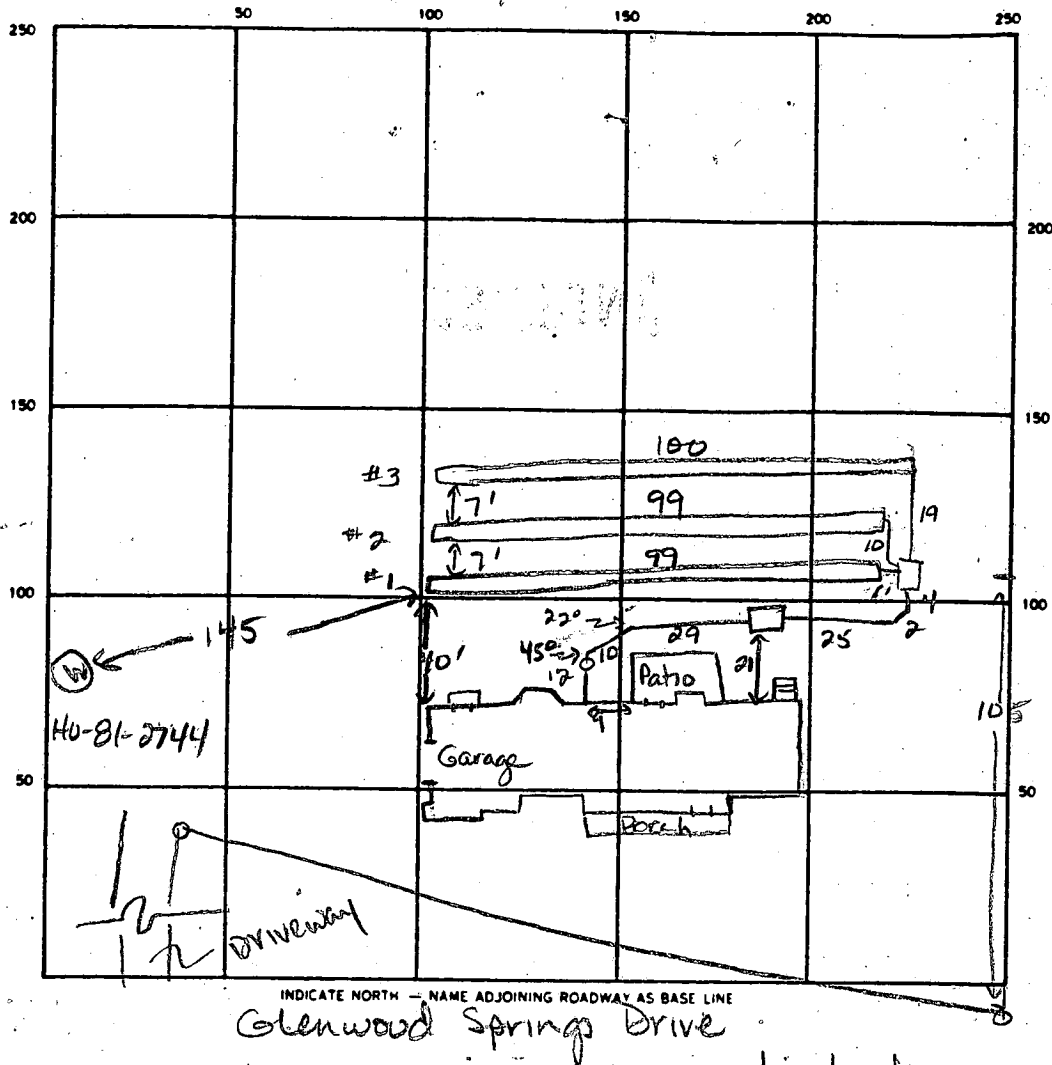
NOTE: INSTALL STAND PIPE ON SEPTIC TANK AND DRY WELL. STAND PIPES MUST BE 6 INCHES IN DIAMETER. CAST IRON, CONCRETE OR TERRA COTTA OR PVC OR ABS ACCEPTED. IF TOP OF SEPTIC TANK IS DEEPER THAN 3 FEET, MANHOLE TO GRADE REQUIRED

NOTE: DISTRIBUTION BOXES MUST HAVE BAFFLES

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

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

A 38367



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

SEPTIC TANK LEVEL 2000 gal

CLEANOUTS 1 on septic tank
1 in line at 45° bend

DISTRIBUTION BOX LEVEL OK (w/ baffle)

DRAIN FIELD TILE FIELD DEPTH 5.5 5.5 7.5 FT. TRENCH WIDTH 3 FT. INLET DEPTH 4 4 4 FT.

EFFECTIVE GRAVEL DEPTH 1.5 1.5 1.5 FT. TOTAL LENGTH 99 99 100 FT.
 NUMBER OF TRENCHES 3 ONE SIDEWALL/BOTTOM AREA 297 297 300 SQ. FT.

DRYWELL INSIDE DIAMETER _____ FT. EFFECTIVE DEPTH BELOW INLET _____ FT.

ABSORBENT AREA 894 SQ. FT.

REMARKS 4-28-89 Add clo to sewer line 12' from house wall at 45° bend, OK to add stone pipe & paper to trench #1 and other trenches when excavated JEN
5-4-89 OK to cover all work except trench #2. Keep both ends open for inlet inspection. JEN
5-8-89 OK to cover all work JEN

DATE SYSTEM APPROVED 5-8-89

INSPECTOR Jane E. Nadeau

APPLICATION

PERCOLATION TESTING

A 38367
P _____

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

*4/3/88
see ord pending
approved plat
(initials)*

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 CHRISTOPHER LOCKARD

ADDRESS _____ PHONE _____

PROSPECTIVE BUYER Ronald Carter

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

PROPERTY LOCATION:

SUBDIVISION Hakes Property LOT NO. Nine Teen

ROAD AND DESCRIPTION Hobbs Road 2868 Glenwood Springs Dr
Permit ok 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 P. Carter
(SIGNATURE OF APPLICANT)

APPROVED BY Sid Abel FOR Shallow trenches DATE 5-13-88

REJECTED BY _____ FOR _____ DATE _____

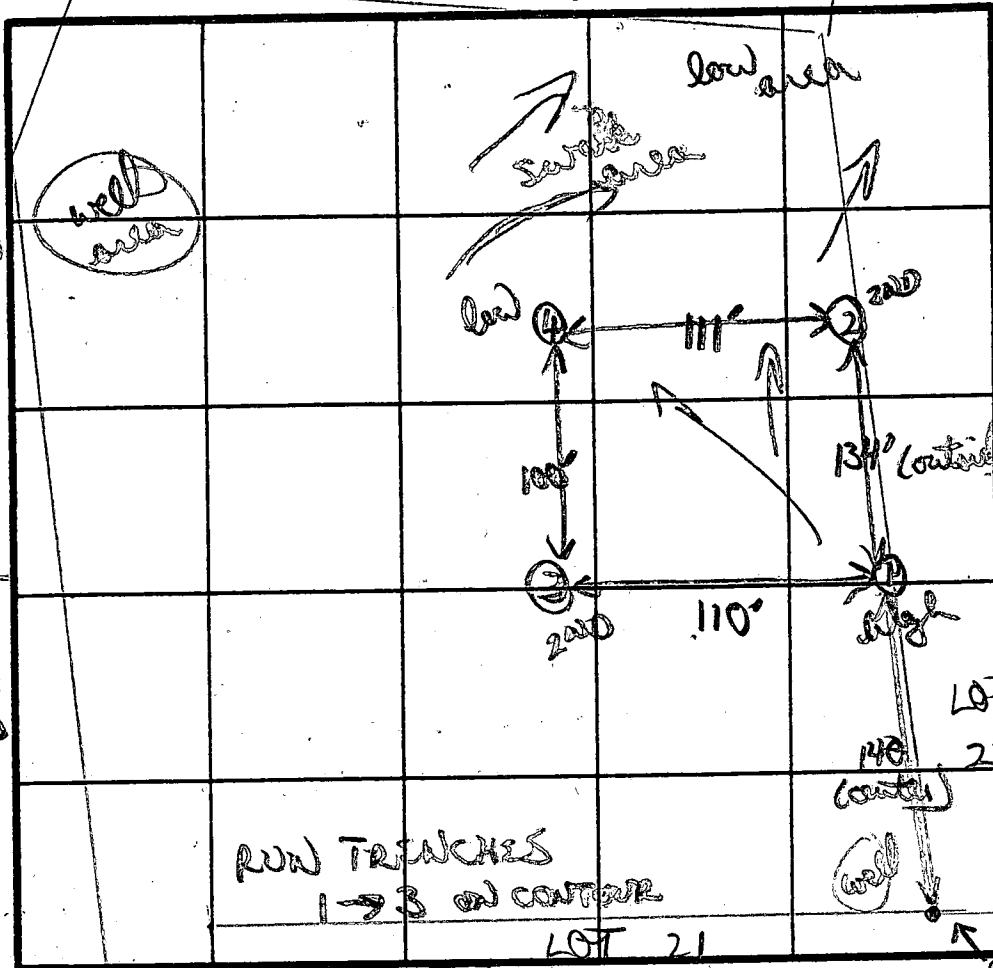
HOLD PENDING FURTHER TESTS _____ DATE _____

REASONS FOR REJECTION OR HOLDING for field located holes & sub-plat

SHALLOW SYSTEM BLDG. PERMIT SIGNED AND RETURNED 10/24/88
BP21525

THIS IS NOT A PERMIT

L.O.S.



②
brown/orange
silty clay
loam
3'
moistly brown
light brown
silty sandy
loam
↓
11'D

✓
X = 3 1/2 MIN
INLET 3 1/2"
corner stake
MAX D. 5 1/2"
H4 1/100

①
SOIL PROFILE

orange/yellow
clay 3'
to clay
loam 3'
yellow/
orange
silty loam
w/ 45%
small scatt
rock frags
↓ 11'
12'D

③

chunky brown
gritty brown
clay loam
3 1/2'
to yellow
brown
silty chunky
loam mix
↓
11 1/2'D

④

brown tan
clay/silty
loam 3 1/2'
to mostly
brown/tan
powdery silty
mud
w/ 45% small
scattered frags
12 1/2'D

PIPE
STEM

INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
2/3/87	①	3'5"	1148	1143	1143	1147	4 MIN
	common hole	7'4"	1140	1144	1144	1147	3 MIN
		12'D	bottom (see profile)				
	③	3 1/2 S	1148	1151	1151	1155	4 MIN
		8' m	1148	1150	1150	1154	4 MIN
		11 1/2'D	bottom (see profile)				
	④	4'5"	1153	1157	1157	1201	4 MIN
		12 1/2'D	bottom (see profile)				
	common	3 1/2 S	1201	1203	1203	1205	2 MIN
		1 1/2 m	1201	1202	1202	1204	2 MIN
		18'D	bottom (see profile)				

REMARKS

SHALLOW SYSTEM

TYPE OF SOIL

fairly uniform orange/brown clay loam; mostly brown
silty loam

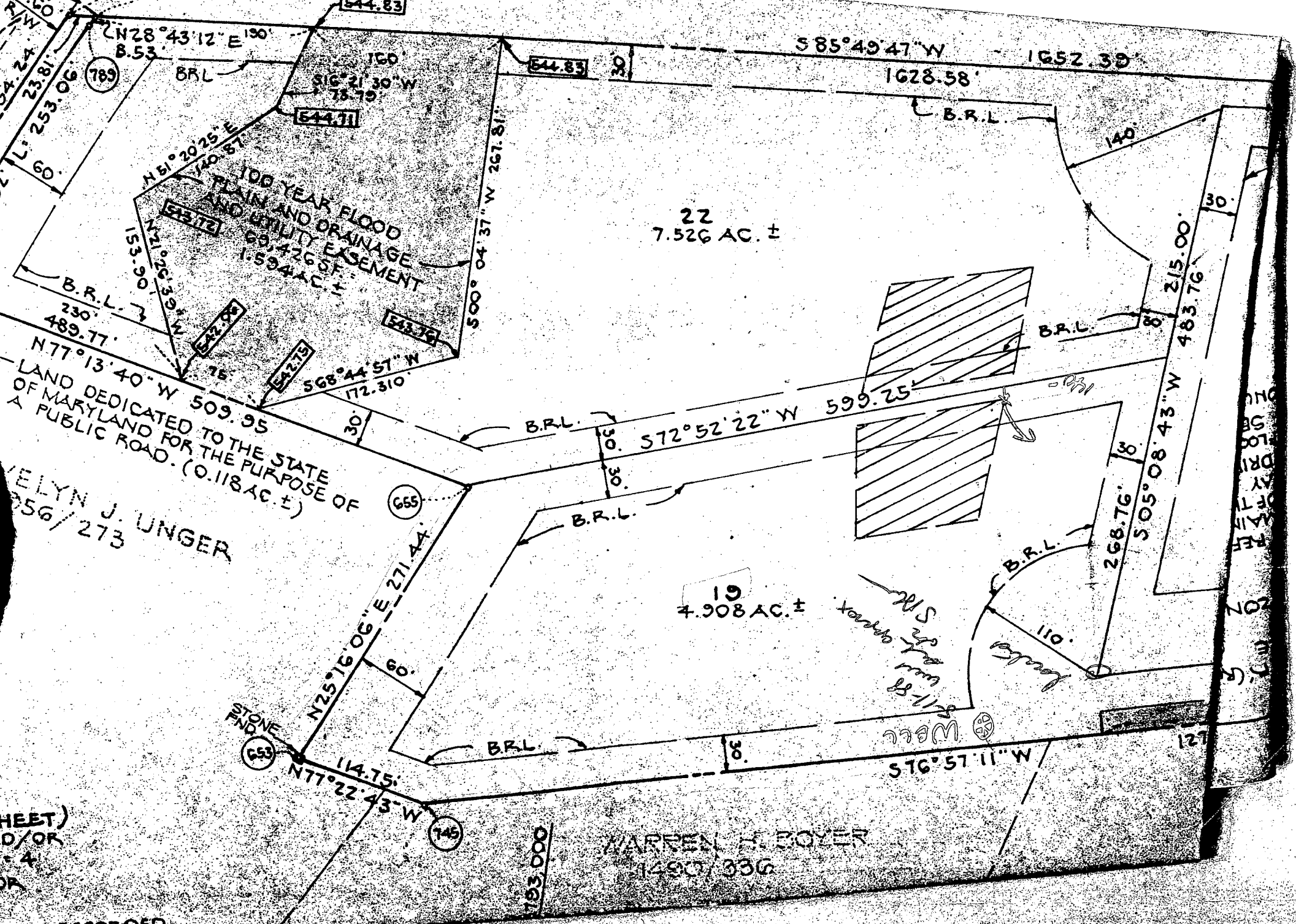
TESTED BY

B Nyfer

ALSO PRESENT

Cliff, Warren

817 935



100 YEAR FLOOD
PLAIN AND DRAINAGE
AND UTILITY EASEMENT
69,426 SF
1.594 AC ±

22
7.526 AC ±

19
4.908 AC ±

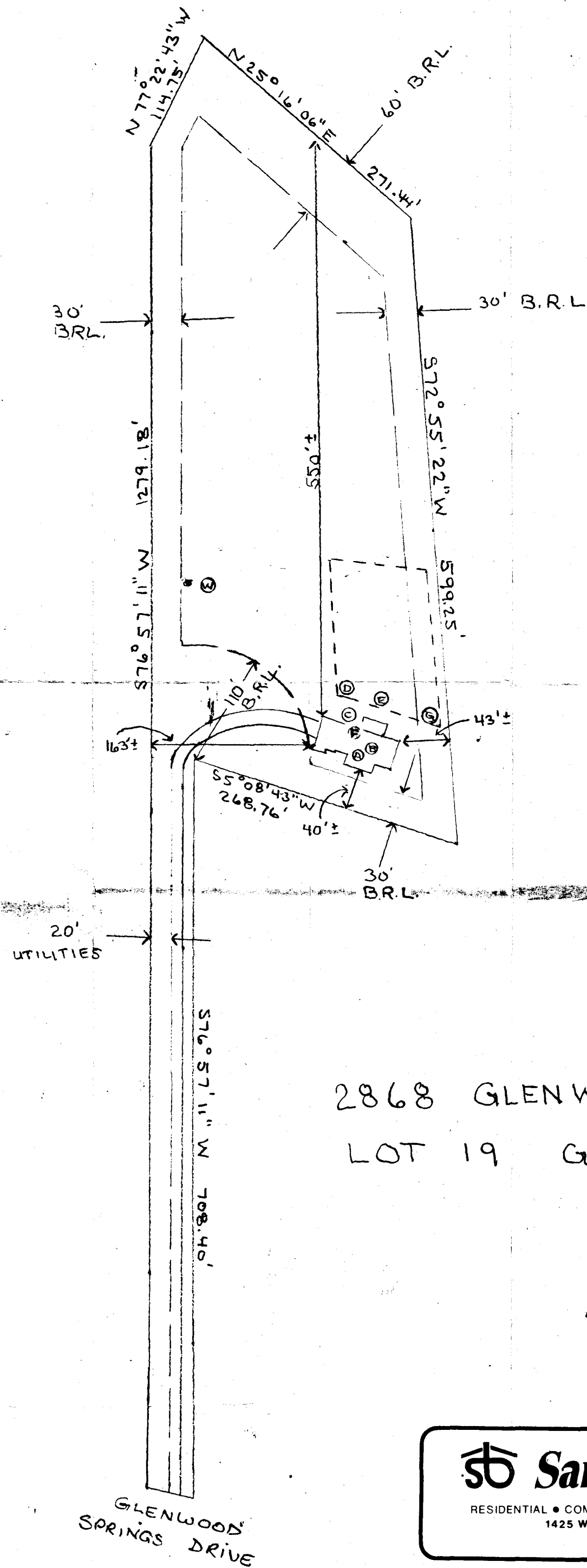
LAND DEDICATED TO THE STATE
OF MARYLAND FOR THE PURPOSE OF
A PUBLIC ROAD. (0.118 AC ±)

VELYN J. UNGER
256/273

WARREN H. BOYER
1400/336

HEET)
ID/OR
- 4
OR
TO BE RECORDED

DRIVE
OF THE
FEET
CON
M-1



		ELEVATION
POINT	DESCRIPTION	ELEV.
A	FIRST FLOOR	95.0 ✓
B	BASEMENT	87.0 ✓
C	EXISTING TANK	93.0 ✓
	INVERT INTO TANK	89.9 ✓
	INVERT OUT OF TANK	89.7 ✓
D	EXISTING TRENCH	92.2 ✓
	INVERT INTO TRENCH	89.3 ✓
E	EXISTING BOX	92.3 ✓
	INVERT INTO BOX	89.4 ✓
F	INVERT OUT OF HOUSE	90.0 ✓
G	EXISTING TRENCH	92.5 ✓
W	WELL	92.2 ✓

Shallow
OK/SA

-BSMT

2868 GLENWOOD SPRINGS DRIVE
LOT 19 GLENWOOD SPRINGS

REG. PERMIT SIGNED
AND RETURNED 10/24/88
BP 21525
SA

Sanbower Builders
RESIDENTIAL • COMMERCIAL • NEW CONSTRUCTION • REMODELING
1425 West Patrick St. Frederick, MD 21701
301-695-8310

JOB CHRISTOPHER LOCKARD
18923 RED ROBIN TERRACE
GERMANTOWN, MD. 20874

DATE 10-17-88
1" = 100'
DRAWN BY T.S.S.

C1 9528

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

COUNTY NUMBER A-38367

DATE RECEIVED

DATE WELL COMPLETED

Depth of Well

PERMIT NO. FROM "PERMIT TO DRILL WELL"

Grid for Date Received

Grid for Date Well Completed

Grid for Depth of Well

Grid for Permit No.

OWNER: CARLSON ASSOCIATES, STREET OR RFD: Glenwood Springs Dr., TOWN: Glenwood, SUBDIVISION: Glenwood Springs, SECTION: , LOT: 19

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 FROM TO Check if water bearing

Table with 3 columns: Description, Feet From, Feet To. Includes entries for Sandstone (0-58) and Gray Mich Rock (58-240).

GROUTING RECORD

WELL HAS BEEN GROUTED (Y/N), TYPE OF GROUTING MATERIAL: CEMENT CM, BENTONITE CLAY BC, NO. OF BAGS 13, NO. OF POUNDS 1019, DEPTH OF GROUT SEAL 42 ft.

CASING RECORD

Casing types: ST (Steel), CO (Concrete), PL (Plastic), OT (Other). MAIN CASING TYPE: ST, Nominal diameter: 1 inch, Total depth: 13 ft.

OTHER CASING (if used)

Grid for Other Casing diameter and depth

SCREEN RECORD

screen type or open hole: HO (Open Hole), DEPTH (nearest ft.): 240

Table for Screen Record with columns for depth and slot size.

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)

TELESCOPE CASING, LOG INDICATOR, OTHER DATA

C 3

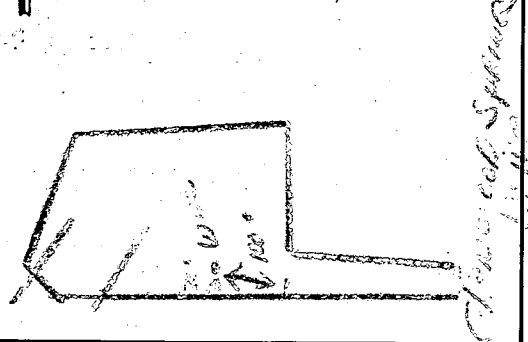
PUMPING TEST

HOURS PUMPED: 3, PUMPING RATE: 9.5 gal. per min., METHOD USED TO MEASURE PUMPING RATE: Bucket, WATER LEVEL: 28 ft. before, 90 ft. when pumping.

PUMP INSTALLED

DRILLER WILL INSTALL PUMP: YES (NO), TYPE OF PUMP INSTALLED: S (Submersible), CAPACITY: GALLONS PER MINUTE, PUMP HORSE POWER, PUMP COLUMN LENGTH, CASING HEIGHT: + above, - below.

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 WELL WAS ABANDONED AND SEALED WHEN THIS WELL WAS COMPLETED

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. 938, DRILLERS SIGNATURE: Joseph L. Morgan

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

Health

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 # 49159
Date 12/2/88

Name of Installer: N.E. "BOB" WALTZ PLUMBING Telephone 662-3588

License Number MD STATE 1233
Certified Well Pump Installer _____ Well Driller _____ Registered Plumber X

Name of Property Owner CHRISTOPHER LOCKARD Telephone 972-2440
Subdivision GLENWOOD SPRINGS Lot # 19 Well Tag # HO-81-2744
Site Address 2868 GLENWOOD SPRINGS DRIVE

Pump
1. Type
a. Deep well jet _____
b. Shallow well jet _____
c. Submersible X
2. Make GOULD
3. Model # S-ES-05412
4. Capacity 5 GPM
5. Pump exceeds well capacity Yes _____ No X
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 X Cable guards _____ Other _____

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

Pitless Adapter HARVARD
1. Make ~~BOCA~~
2. Model # PT800
3. Depth 42"

Tank
1. Capacity 40
2. Pressure relief valve? YES

Piping
1. Type PLASTIC
2. Size 1"
3. NSF and/or BOCA Code approved BOCA
4. Depth of supply line 42"

Well data
1. Depth 240 ft.
2. Yield 8.5 GPM
3. Static water level 28 ft.
4. Will water supply be disinfected by installer? No (By Builder)

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.

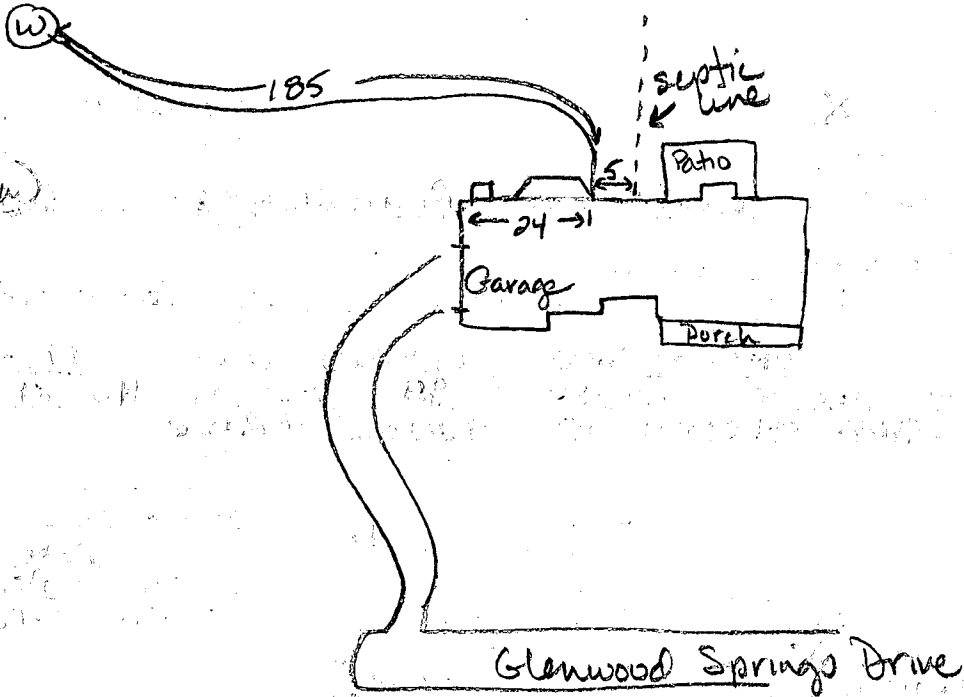
Signature of Applicant

T. Stanburish

Date: 11/12/88

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

HO-81-2744



↓ 75
 2.4
 306
 150
 180

4-12-89

Pitless adaptor at 52 inches. Well line in trench
 at 48 inches. House connection at same elevation
 as septic line. Well line is sheathed coming out of house
 for 5 ft. House connection ok. No pump tank installed
 yet. No ground line. JE Wadeau

RECEIVED
 HOWARD COUNTY
 HEALTH DEPT.
 DEC 1 11 45 AM '88
 ENVIRONMENTAL
 HEALTH