

PERMIT

SEWAGE DISPOSAL SYSTEM

DEPARTMENT OF HEALTH AND MENTAL HYGIENE INDEXED

HOWARD COUNTY HEALTH DEPARTMENT

BUREAU OF ENVIRONMENTAL HEALTH

~~XXXXXXXXXX~~

313-2640

03-293041

P 58506

A 57278

DISTRICT 3rd

DATE 6/10/97

DATE SYSTEM APPROVED 6/12/97

INSPECTOR HL

C & C Utility Service

IS PERMITTED TO INSTALL X ALTER

ADDRESS 7398 Gaither Road Sykesville, MD 21784 PHONE (410) 549-4987

SUBDIVISION LOT ROAD 1093 Underwood Road

PROPERTY OWNER Craig Harding

ADDRESS

SEPTIC TANK CAPACITY 1000 GALLONS

NUMBER OF BEDROOMS 3

180 SQUARE FEET PER BEDROOM

LINEAR FEET OF TRENCH REQUIRED 180

TRENCHES - Trench to be 3 feet wide. Inlet 3 feet below original grade. Bottom maximum depth 5 feet below original grade. Effective area begins at 5 feet below original grade. 2 feet of stone below distribution pipe.

LOCATION - Place the distribution box 160 feet off the front and 85 feet off the left lot lines as seen from the gravel drive. Run trenches along contour in both directions.

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

OK KM 4/10/97

PLANS APPROVED BY Glen Savage DATE 04/04/97

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

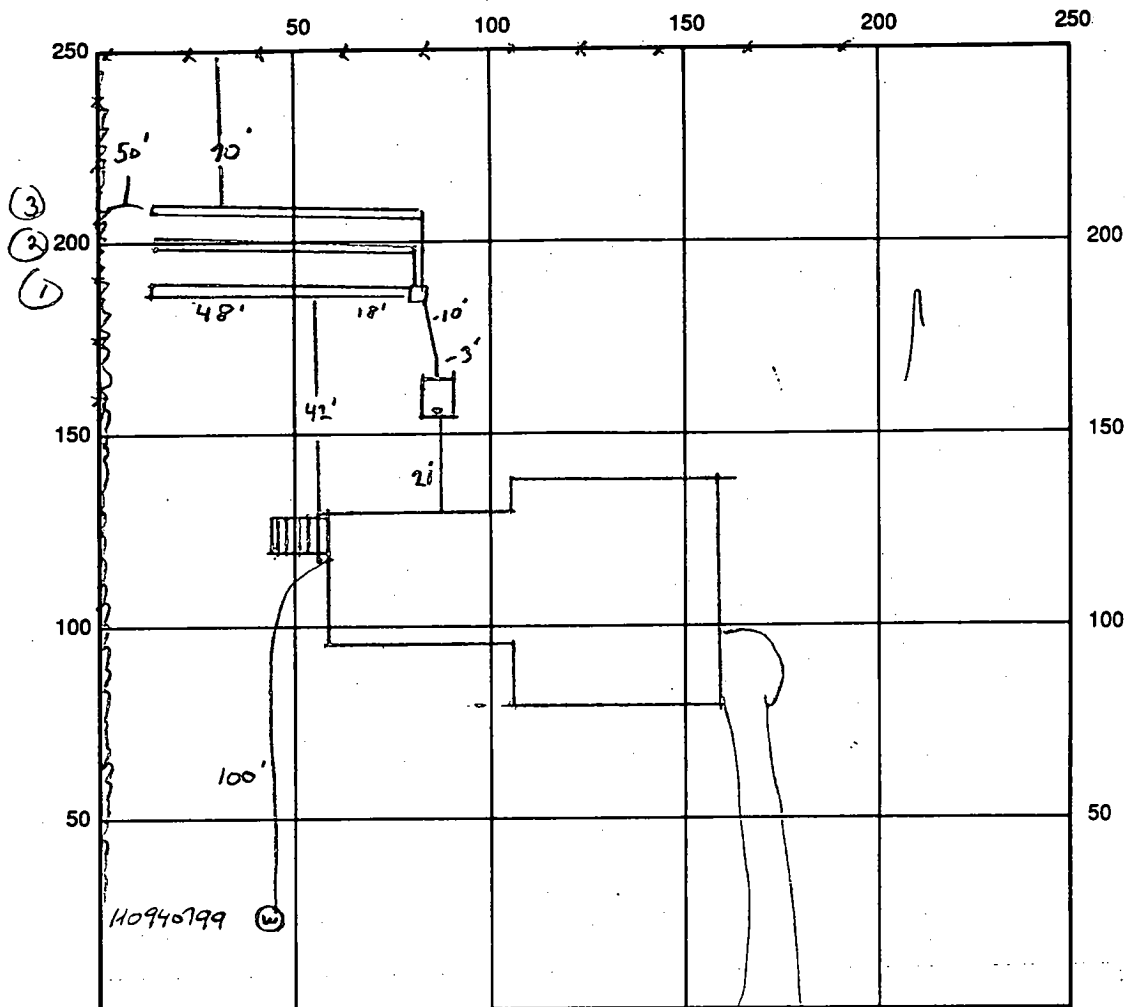
NOTE: ALL PIPE FROM HOUSE TO SEPTIC TANK MUST BE CAST IRON OR SCHEDULE 35/40 PVC OR ABS

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**



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE
GRAVEL DRIVE TO UNDERWOOD ROAD →

SEPTIC TANK LEVEL OK 1000 GAL CLEANOUTS 1 on tank

DISTRIBUTION BOX LEVEL OK, LEVELERS IN

DRAIN FIELD/TITLE DEPTH 5 FT. TRENCH WIDTH 3 FT. INLET DEPTH 3 FT.

EFFECTIVE GRAVEL DEPTH 2 FT. TOTAL LENGTH

1	2	3
66	65	68

 FT. = 181

NUMBER OF TRENCHES 3 ONE SIDEWALL/BOTTOM AREA 543 SQ. FT.

DRYWALL INSIDE DIAMETER — FT. EFFECTIVE DEPTH BELOW INLET — FT.

ABSORBENT AREA SQ. FT.

REMARKS: 6/12/97 WPI OK TO COVER, SEATTLE OK TO COVER
ALL WORK. EL

DATE SYSTEM APPROVED 6/12/97 INSPECTOR [Signature]

APPLICATION

PERCOLATION TESTING

A 57278

P _____

HOWARD COUNTY HEALTH DEPARTMENT

BUREAU OF ENVIRONMENTAL HEALTH

3525-H ELLICOTT MILLS DRIVE/ELLICOTT CITY, MARYLAND 21043
TELEPHONE: 313-2640

DISTRICT _____

DATE 9/17/96

PERVIEW OK
EXISTING
LOT OF
16000 D
(CW)

TO: THE COUNTY HEALTH OFFICER
ELLICOTT CITY, MARYLAND

I HEREBY APPLY FOR THE NECESSARY TEST PRIOR TO APPLICATION FOR PERMIT TO CONSTRUCT (OR RECONSTRUCT) A SEWAGE DISPOSAL SYSTEM.

PROPERTY OWNER James + Paige Peterson Craig Harding

ADDRESS 8106 Bernard Dr Ft. Washington MD PHONE 301-248-9183
20744-1837

AGENT OR PROSPECTIVE BUYER Craig Harding

ADDRESS 14 Gaither Manor Drive¹⁰³ PHONE (410) 795-2174
Sykesville Maryland 21784

PROPERTY LOCATION:

SUBDIVISION None LOT NO. _____

ROAD AND DESCRIPTION 1093 Underwood 32 (L) on Rt 99 (R)

on under wood common gravel drive on (R) **BLDG PERMIT SIGNED**
AND RETURNED 9/18/96
Serial # 67103527
SFD-3 Bedroom

TAX MAP 9 grid 8 PARCEL # 114

SIZE OF LOT 1.25 ac. TYPE BLDG. SINGLE FAMILY DWELLING
(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. Chad Zepp (CHUCK ZEPP)
(SIGNATURE OF APPLICANT)

APPROVED BY _____ FOR _____ DATE _____

DISAPPROVED BY _____ FOR _____ DATE _____

HOLD PENDING FURTHER TESTS _____

REASONS FOR REJECTION OR HOLDING _____

PERCOLATION TEST PLAT/PRELIMINARY PLAT - TITLE OR I.D. # _____ DATE _____

SITE DEVELOPMENT PLAN/FINAL PLAT - TITLE OR I.D. # _____ DATE _____

THIS IS NOT A PERMIT

COUNTY #

SOIL PROFILE

①

topsoil
red br
cl lm

lt or br
to tan
si salm

5% rock frags

②/③

top soil
red br
cl lm

14 red
br si
sp lm

few rocks
mix

10% rock frags

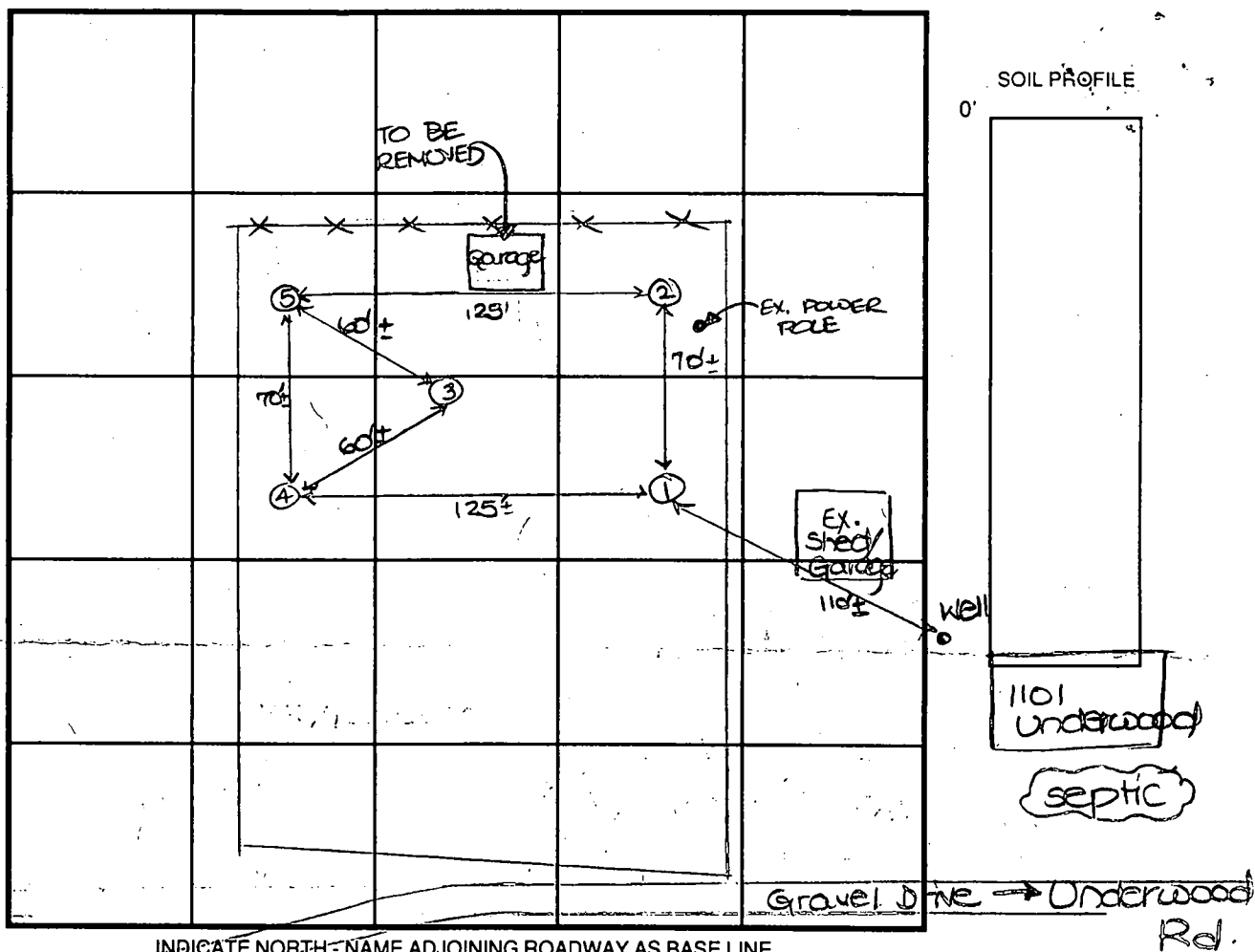
④/⑤

topsoil-
red br
cl lm

few rocks in 1m	
--------------------	--

1+ or br
si sa /r

5-10%
rock
frag



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
9-25-96	1	3.5'S	1:09	1:10	1:10	1:12	2
		11.5'D	Visual - See profile				
	2	3.0'S	1:16 ₀ 1:13 ₂	1:18 1:14	1:18 1:14	1:20 1:15	2 1
		12.0'D	Visual - See profile				
	3	3'8" S	1:25 1:23	1:26 1:23 ₃	1:26 1:23 ₃	1:28 1:24	2 30 sec
		12.5'D	Visual - See profile				
	4	3.5'S	1:32 ₃	1:34	1:34	1:36	2
		11.0'D	Visual - See profile				
	5	3.5'S	1:39	1:42	1:42	1:45	3
		13.0'D	Visual - See profile				

REMARKS garage to be removed - test holes not started

TYPE OF SOIL

TESTED BY D. SOE ALSO PRESENT CHUCK ZEP

TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME 2 TRENCH WIDTH 3.0'

INLET DEPTH 5.0 MAXIMUM BOTTOM DEPTH 7.0 SQ. FT./BEDROOM 180

EMERGENCY/TEMP NO. IF ANY

B 1	4940	SEQUENCE NO. (MDE USE ONLY)	STATE OF MARYLAND PERMIT TO DRILL WELL please print or type	STATE PERMIT NUMBER HD-94-0979 <small>fill in this form completely</small>
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OWNER INFORMATION

Date Received (APA) **110496**

WALCACE Patrick
Last Name First Name

13735 Forsythe Rd.
Street or RFD

Sykesville
Town

MD 21784
State Zip

DRILLER INFORMATION

CIRCLE: MSD/MGD/MWD

Stanley W. Billinger
Driller's Name

081
License No.

Stan's Well Drilling Inc.
Firm Name

P.O. Box 2035 Westminster MD 21157
Address

Stanley W. Billinger
Signature

11/4/96
Date

WELL INFORMATION

APPROX. PUMPING RATE (GAL. PER MIN.) **5**

AVERAGE DAILY QUANTITY NEEDED (GAL. PER DAY) **500**

USE FOR WATER (CIRCLE APPROPRIATE BOX)

☒ HOME (SINGLE OR DOUBLE HOUSEHOLD UNIT ONLY)

☐ FARMING (LIVESTOCK WATERING & AGRICULTURAL IRRIGATION)

☐ INDUSTRIAL, COMMERCIAL, STATE AND FEDERAL GOV. OTHER (REQUIRES APPROPRIATION PERMIT)

☐ PUBLIC OR PRIVATE WATER COMPANY (REQUIRES APPROPRIATION PERMIT AND STATE HEALTH DEPARTMENT APPROVAL)

☐ TEST, OBSERVATION, MONITORING (MAY REQUIRE APPROPRIATION PERMIT)

APPROXIMATE DEPTH OF WELL **250** FEET

APPROXIMATE DIAMETER OF WELL **6** INCH

METHOD OF DRILLING (circle one)

BORED (or Augered) ☒ JETTED ☐ Jettied & DRIVEN

AIR-ROTARY ☐ AIR-PERCussion ☒ ROTARY (Hydraulic Rotary)

CABLE ☐ REVerse-ROTary ☐ Drive-POINT

other _____

REPLACEMENT OR DEEPEMED WELLS (CIRCLE APPROPRIATE BOX)

☒ THIS WELL WILL NOT REPLACE AN EXISTING WELL

☐ THIS WELL WILL REPLACE A WELL THAT WILL BE ABANDONED AND SEALED

☐ THIS WELL WILL REPLACE A WELL THAT WILL BE USED AS A STANDBY-CONTACT LOCAL APPROVING AUTHORITY FOR POLICY ON STANDBY WELLS

☐ THIS WELL WILL DEEPEMED AN EXISTING WELL

PERMIT NUMBER OF WELL TO BE REPLACED OR DEEPEMED (IF AVAILABLE) _____

Not to be filled in by driller (MDE OR COUNTY USE ONLY)

APPROX. PERMIT NUMBER **GAP**

FORCE **DS** WRITE INITIALS IN BOX

PERMIT No. **HD-94-0979**

SPECIAL CONDITIONS

NOTE - APPROVING AUTHORITIES SHOULD USE SEPARATE SHEET IF NEEDED

LOCATION OF WELL

Howard
COUNTY

1093 Underwood Rd
SUBDIVISION

5 SECTION **44** LOT **48**

Sykesville
NEAREST TOWN

1 MILE FROM TOWN (enter 0 if in town)

Underwood
NEAR WHAT ROAD

ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX)
400 DISTANCE FROM ROAD

ENTER FT OR MI **FT**

TAX MAP: _____ BLK: _____ PARCEL: _____

NOT TO BE FILLED IN BY DRILLER HEALTH DEPARTMENT APPROVAL

Howard
COUNTY NAME

AS7218
COUNTY NO.

STATE SIGNATURE _____ DATE ISSUED **110696** INSERT S **11/5/97**

CO-SIGNATURE _____ EXP. DATE _____

NORTH GRID **549000** EAST GRID **0804000**

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

8004

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

12/5/96 3:00 PM

NO INSP

Forsythe Rd

400' to well

Underwood Rd

Old Frederick Rd

Md 70

C1 7890

SEQUENCE NO.
(MDE USE ONLY)STATE OF MARYLAND
WELL COMPLETION REPORT
FILL IN THIS FORM COMPLETELY
PLEASE PRINT OR TYPETHIS REPORT MUST BE SUBMITTED WITHIN
45 DAYS AFTER WELL IS COMPLETED.COUNTY
NUMBER

A 57278

ST/CO USE ONLY

DATE Received

8						13
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DATE WELL COMPLETED

120596

Depth of Well

22 205 26
(TO NEAREST FOOT)PERMIT NO.
FROM "PERMIT TO DRILL WELL"

40-94-0979

OWNER

STREET OR RFD

SUBDIVISION

SECTION

LOT

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	
Brown Shale	0	36	
Brown Slate	46	61	✓
Blue Slate	61	120	
Brown Slate	120	123	✓
Blue Slate	123	160	
Blue Slate mixed with Flint	160	205	✓

GROUTING RECORD

WELL HAS BEEN GROUTED
(Circle Appropriate Box)yes ☒ no ☐

TYPE OF GROUTING MATERIAL (Circle one)

CEMENT ☒ BENTONITE CLAY ☐

NO. OF BAGS 13 NO. OF POUNDS 1222

GALLONS OF WATER 78

DEPTH OF GROUT SEAL (to nearest foot)

from 0 ft. to 32 ft.
48 TOP 52 54 BOTTOM 58
(enter 0 if from surface)

CASING RECORD

casing
types
insert
appropriate
code
below

ST

STEEL

C/O

CONCRETE

P/L

PLASTIC

O/T

OTHER

MAIN
CASING
TYPENominal diameter
top (main) casing
(nearest inch)Total depth
of main casing
(nearest foot)

P/C

6

54

OTHER CASING (if used)

EACH CASING diameter depth (feet)
inch from toscreen type
or open hole
insert
appropriate
code
below

SCREEN RECORD

ST

STEEL

B/R

BRASS

BRONZE

P/L

PLASTIC

H/O

OPEN

HOLE

O/T

OTHER

NUMBER OF UNSUCCESSFUL WELLS:

WELL HYDROFRACTURED

yes

Y

no

N

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.

TYPE: MWD/MSD/MGD

DRILLERS LIC. NO. 081

DRILLERS SIGNATURE

(MUST MATCH SIGNATURE ON APPLICATION)

LIC. NO.

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

MDE USE ONLY

(NOT TO BE FILLED IN BY DRILLER)

T

(E.R.O.S.)

W Q

70

72

74 75 76

TELESCOPE
CASINGLOG
INDICATOR

OTHER DATA

PUMPING TEST

HOURS PUMPED (nearest hour)

3

PUMPING RATE (gal. per min.)

10

METHOD USED TO
MEASURE PUMPING RATE

Bucket

WATER LEVEL (distance from land surface)

BEFORE PUMPING

44 ft.

WHEN PUMPING

51 ft.

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 or NO)

YES

IF DRILLER INSTALLS PUMP, THIS SECTION
MUST BE COMPLETED FOR ALL WELLS.TYPE OF PUMP INSTALLED
PLACE (A,C,J,P,R,S,T,O)
IN BOX 29CAPACITY
GALLONS PER MINUTE
(to nearest gallon)

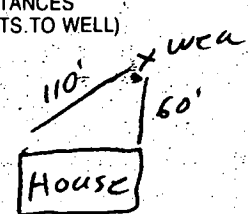
PUMP HORSE POWER

PUMP COLUMN LENGTH
(nearest ft.)CASING HEIGHT (circle appropriate box
and enter casing height)

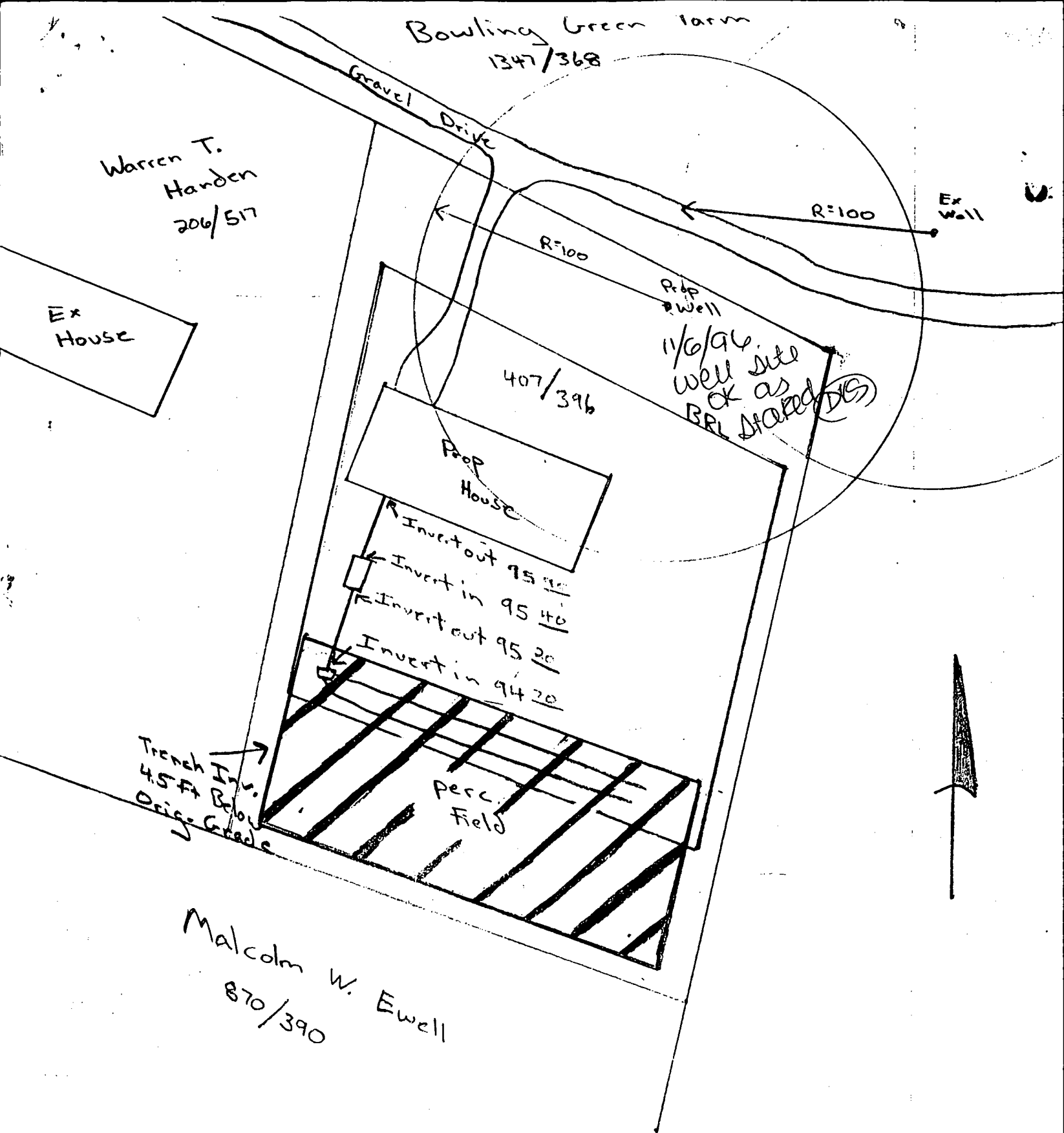
above

LAND SURFACE
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)

COUNTY



All Elevations are relative to Ground at Prop house		Scale
Ground at septic tank	99.20	1" = 50'
Ground at dist. box	102.00	
Ground at N trench	102.00	
Ground at S trench	101.00	
1093 Underwood Road		
Map 9 Grid 8 Parcel 114		
Craig Harding		
14 Gaither Manor Dr 103		
Sykesville MD 21784		

Warren T.
Harder
206/517

Bowling Green Farm

Underwood Rd 347/368

Common Drive 104

R=100'

Ex. Well

102

R=100'

Ex. Well

Prop. House

+103.55

Perc 1

Ex. SHED

Perc 2

+97.23

Perc 7

+101.20

+103.21

Perc 5

+98.15

Malcolm W. Ewell
870/390

I hereby certify that the above measurements are accurate to the best of my ability.

Craig Harding

APPROVED: For Private

Water & Private

Sewage Systems

Howard County
Health Department

Note:

Ex shed to

be used

for storage

only, not

for vehicle

ingress and

1093 Underwood Road

Map 9 Grid 8 Parcel 114

Craig Harding

14 Gaither Manor Dr

Sykesville, MD 21784

Scale

1" = 50'

Key

• Pass Perc

○ Fail Perc

Joyce M. Boyd M.D. 5/12/89
County Health Officer Date

