

3/1/83  
Septic  
AM & around 10:00 AM  
P.M. please

3/2/83  
A.M. please

approved  
3-2-83  
C. Williams

# PERMIT

P 32059  
A 24039

SEWAGE DISPOSAL SYSTEM

MARYLAND STATE DEPARTMENT OF HEALTH

HOWARD COUNTY

ELLICOTT CITY

BUREAU OF ENVIRONMENTAL HEALTH  
992-2330

DISTRICT 5th

DATE 2/28/83

INDEX

New World Homes, Inc. IS PERMITTED TO INSTALL X ALTER         
9211 Connell Street  
ADDRESS Columbia, Maryland 21046 PHONE         
SUBDIVISION Highland Lakes ROAD 6543 River Clude Drive LOT 89, Sec. 2  
PROPERTY OWNER New World Homes, Inc.  
9211 Connell Street  
ADDRESS Columbia, Maryland 21046

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

GARBAGE GRINDER? YES        NO X

SEPTIC TANK CAPACITY 1250 GALLONS NUMBER OF BEDROOMS 4

TRENCH SYSTEM to contain 158 sq. ft. effective sidewall absorption area per bedroom below the first 3 feet of non porous soil. Trench inlet no deeper than 4 feet below original grade, with maximum depth of trench bottom no deeper than 10 feet below original grade. Start the trench 150 feet from the front lot line and 10 feet from the left side line as seen when facing the lot from River Clude Drive, Continue to dig the trench on level ground towards the right side of the lot. Call for inspection of trench before gravel is installed in trench.  
NOTE: Trench must be at least 20 feet away from any part of house.

PLANS APPROVED BY Frank Skinner DATE 8/6/82

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: IF TRENCH IS USED CALL FOR INSPECTION BEFORE AND AFTER PLACING GRAVEL IN TRENCH.

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 THREE 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.

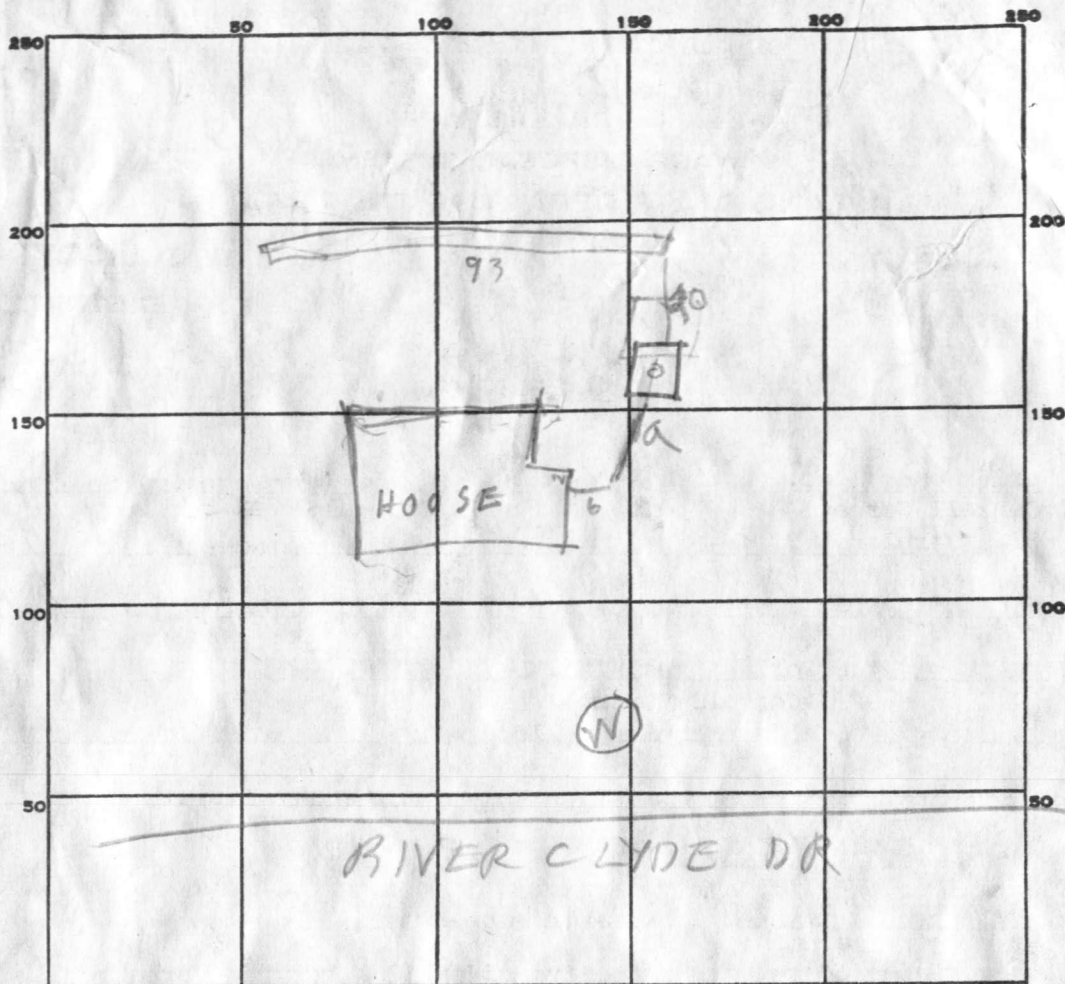
**\*INSTALLER IS RESPONSIBLE FOR OBTAINING FINAL APROVAL ON THIS PERMIT**

\*CALL 992-2330 FOR INSPECTION OF SEPTIC SYSTEMS.

EH - 2-1082

A 24039

A24039



INDICATE NORTH. - NAME ADJOINING ROADWAY AS BASE LINE.

PERMIT CARD

SEPTIC TANK, LEVEL

1500

CLEANOUTS

54  
NO  
1/65 32-83 CW

997  
3761

DISTRIBUTION BOX, LEVEL

TILE FIELD, DEPTH

10

FT.

TRENCH WIDTH

2

FT.

GRAVEL DEPTH

7 FT

IN.

TOTAL LENGTH

93

FT.

NUMBER OF TRENCHES

1

TOTAL BOTTOM AREA

65.1 SQ. FT SIDEWALL

SEEPAGE PITS, INSIDE DIAMETER

FT.

DEPTH BELOW INLET

FT.

ABSORBENT AREA

651

SQ. FT.

REMARKS

3/1/83<sup>1</sup> ADD STONE TO DITCH & CONNECT TANK

3/1/83<sup>200</sup>

- TANK HOOKED TO HOUSE DIC TO COVER

ADD STONE TO DITCH

2/1/83

3/2/83

SEPTIC TANK CLEANOUT INSTALLED. 7' FT ON GRAVEL IN PLACE. OK TO COVER

C. Williams

DATE SYSTEM APPROVED

3-2-83

INSPECTOR

C. Williams

# APPLICATION

A 24039

## SEWAGE DISPOSAL TESTING

P \_\_\_\_\_

STATE OF MARYLAND - DEPARTMENT OF HEALTH AND MENTAL HYGIENE

HOWARD COUNTY HEALTH DEPARTMENT  
ENVIRONMENTAL HEALTH SERVICES

DISTRICT Fifth

P. O. BOX 476, ELLICOTT CITY, MARYLAND 21043  
TELEPHONE: 465-5000, EXT. 356

DATE 9/15/76

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 Mr. Walter Bucher

ADDRESS Highland Partnership  
8777 First Avenue PHONE (8)-588-3100  
Silver Spring, MD 20901

PROPERTY LOCATION:

SUBDIVISION Highland Lake LOT NO. 106 Lot 89

ROAD AND DESCRIPTION River Clyde Drive

SIZE OF LOT one acre m/1 TYPE BLDG. 3 or 4 bedroom  
NUMBER OF BEDROOMS

IF NOT SINGLE RESIDENCE DESCRIBE \_\_\_\_\_

THE SYSTEM INSTALLED UNDER THIS APPLICATION IS ACCEPTABLE ONLY UNTIL PUBLIC FACILITIES BECOME AVAILABLE.

SIGNATURE OF APPLICANT /s/ Mr. W. Bucher

APPROVED BY \_\_\_\_\_ FOR \_\_\_\_\_ DATE \_\_\_\_\_  
(KIND OF SYSTEM)

REJECTED BY \_\_\_\_\_ FOR \_\_\_\_\_ DATE \_\_\_\_\_  
(KIND OF SYSTEM)

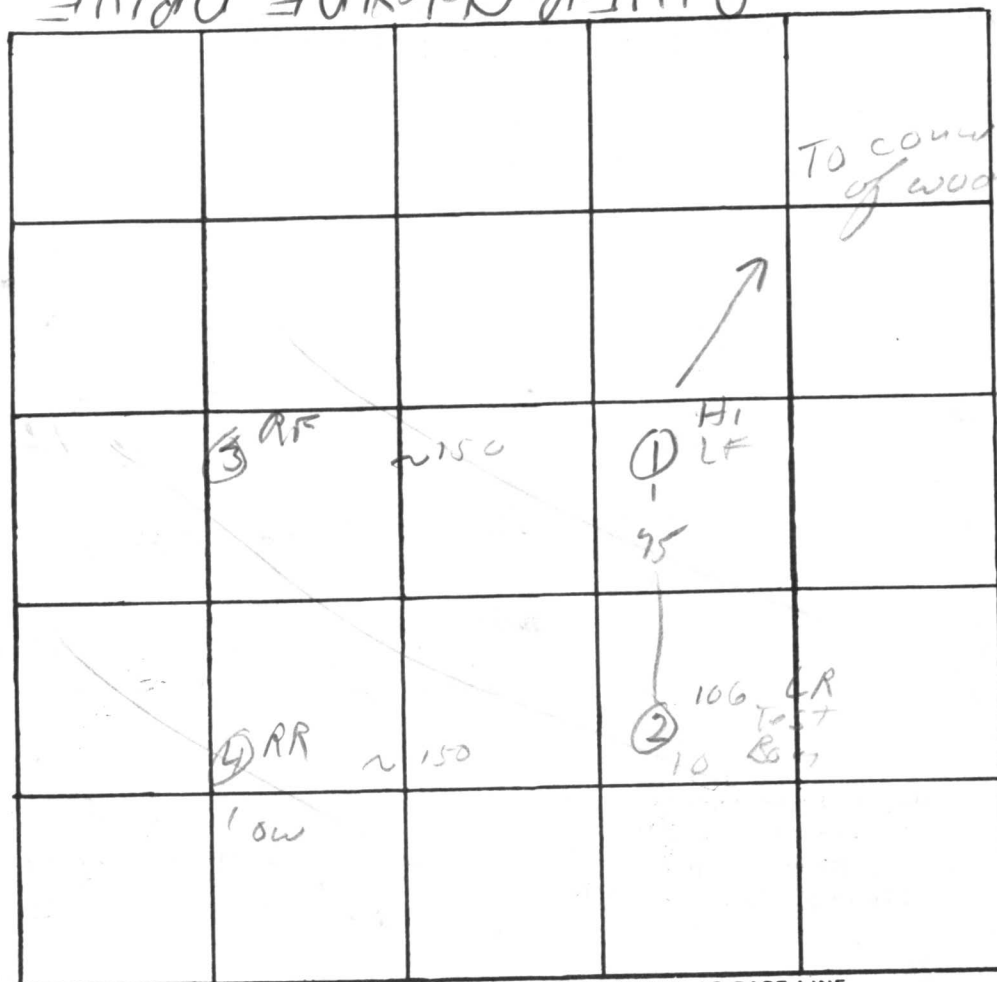
HOLD PENDING FURTHER TESTS \_\_\_\_\_ DATE \_\_\_\_\_

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

# THIS IS NOT A PERMIT

A24039

RIVER CROKODE DRIVE



INDICATE NORTH. - NAME ADJOINING ROADWAY AS BASE LINE.

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
8/4/90	1s	3'	1113	1114	1114	1118	4
	d	13'	1114	1116	1116	1118	2
	2s	3 1/2'	1132	1134	1134	1137	3
	d	12'	1128	1131	1131	1134	3
	3	10' diver	hard	both			
	4	5.2'	1156	1159	1159	1159	2
		d 11	1154	1159	1159	1206	7

REMARKS bottom hard all holesTYPE OF SOIL 3K/HumusTESTED BY APD ALSO PRESENT:



207-10

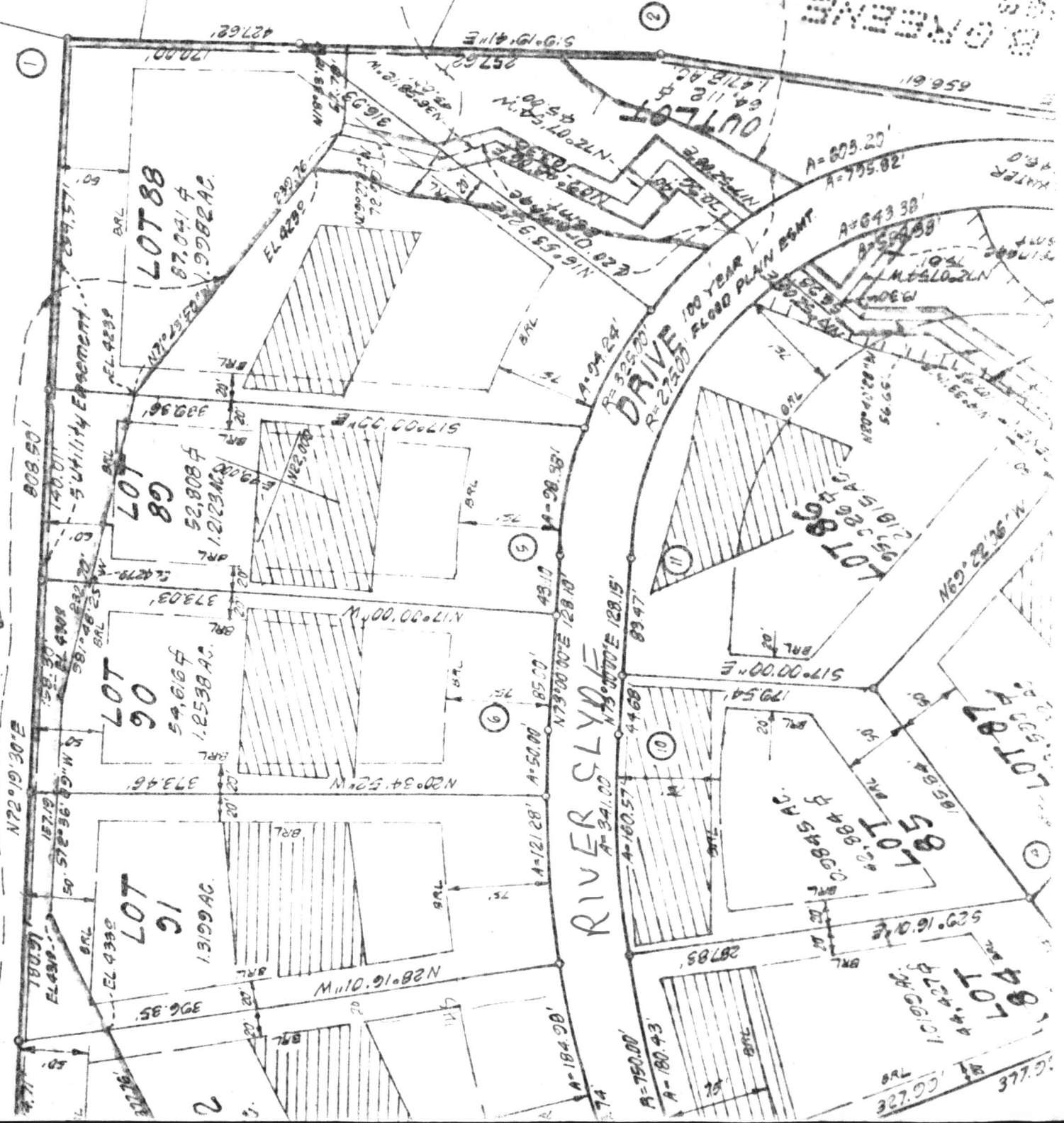
11-12	27500	10-58-2
12-13	67501	

HENRY H. HARTZ  
529-699  
482-118  
100 YEAR FLOOD PLAIN PARK  
DRAINAGE & UTILITY ESMT. ELEV-439.0

Highland Lake  
Sec. 3  
Area I

RECORDED  
10-18-19  
11 AM  
COUNTY OF HONOLULU

A24039



37390

377.0

C1 3241

SEQUENCE NO.  
(OEP 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

A24039

Date Received  
(OEP use only)

DATE WELL COMPLETED

Depth of Well

493

(TO NEAREST FOOT)

PERMIT NO.

FROM "PERMIT TO DRILL WELL"

HO-73-4244

OWNER New World Homes

last name

first name

STREET OR RFD 6543 River Clyde DriveTOWN HighlandSUBDIVISION Highland LakeSECTION IIILOT 89

## WELL LOG

Not required for driven wells

STATE THE KIND OF FORMATIONS  
PENETRATED, THEIR COLOR, DEPTH,  
THICKNESS AND IF WATER BEARINGDESCRIPTION (Use  
additional sheets if needed)

FEET

FROM

TO

Check  
if water  
bearing

Dirt 0 1

Soft Brown  
Mica & Sand 1 18Soft Brown  
Sandstone 18 39Hard Blue &  
Blk. Sandstone 39 114

Black Schist 114 116 X

Blue Sandstone  
laced w/Blk.  
schist 116 212

Blk. Schist 212 233 X

Blue Sandstone  
laced w/Blk.  
Schist 233 354

Blk. Schist 354 380 X

Blk. Schist &  
Blint 380 382

Blue Sandstone 382 399

Blue Sandstone  
& Schist 399 493

WELL HAS BEEN GROUTED

(Circle Appropriate Box)

yes

Y

no

N

TYPE OF GROUTING MATERIAL

CEMENT CMBENTONITE CLAY BCNO. OF BAGS 17 NO. OF POUNDS 1598GALLONS OF WATER 102

DEPTH OF GROUT SEAL (to nearest foot)

from 0 ft. to 44 ft.  
(enter 0 if from surface)

## CASING RECORD

casing  
types  
insert  
appropriate  
code  
below

ST

STEEL

CO

CONCRETE

PL

PLASTIC

OT

OTHER

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

S T 6 46'9"

## OTHER CASING (if used)

diameter depth (feet) to

EACH CASING

## SCREEN RECORD

screen type  
or open holeinsert  
appropriate  
code  
below

ST

STEEL

BR

BRASS

BRONZE

PL

PLASTIC

HO

OPEN

HOLE

OT

OTHER

## C2

(seq. no.)

DEPTH (nearest ft.)

H O 46'9" 493

EACH SCREEN

1 8 9 11 15 17 21

2 23 24 26 30 32 36

3 38 39 41 45 47 51

SLOT SIZE 1 2 3

DIAMETER OF SCREEN (NEAREST INCH)

56 60 64 68 72 76

from to

GRAVEL PACK

IF WELL DRILLED WAS

FLOWING WELL CIRCLE BOX F

OEP USE ONLY

(NOT TO BE FILLED IN BY DRILLER)

T (E.R.O.S.)

W Q

74 75 76

TELESCOPE LOG OTHER DATA

CASING INDICATOR

70 72 74 75 76

70 72 74 75 76

70 72 74 75 76

70 72 74 75 76

70 72 74 75 76

70 72 74 75 76

70 72 74 75 76

70 72 74 75 76

70 72 74 75 76

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70 72 74 75 76

70 72 74 75 76

C 3

(seq. no.)

PUMPING TEST

HOURS PUMPED (nearest hour) 6PUMPING RATE (gal. per min. to nearest gal.) 1METHOD USED TO MEASURE PUMPING RATE Submersible

WATER LEVEL (distance from land surface)

BEFORE PUMPING 500WHEN PUMPING 418

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 APPROPRIATE BOX)

YES Y NO N

IF DRILLER INSTALLS PUMP, THIS SECTION MUST BE COMPLETED FOR ALL WELLS EXCEPT HOME USE

TYPE OF PUMP (WRITE APPROPRIATE LETTER IN BOX - SEE ABOVE: (A, C, J, P, R, S, T, O))

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

LAND SURFACE

- below

(nearest foot)

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)

N

Rt. 216 Highland

River Clyde Rd.

DAY 1 x 30'

WENT 30'

30'

30'

30'

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30'

## CIRCLE APPROPRIATE BOX

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. 296

Ronald L. Kyker

DRILLERS SIGNATURE  
(MUST MATCH SIGNATURE ON APPLICATION)

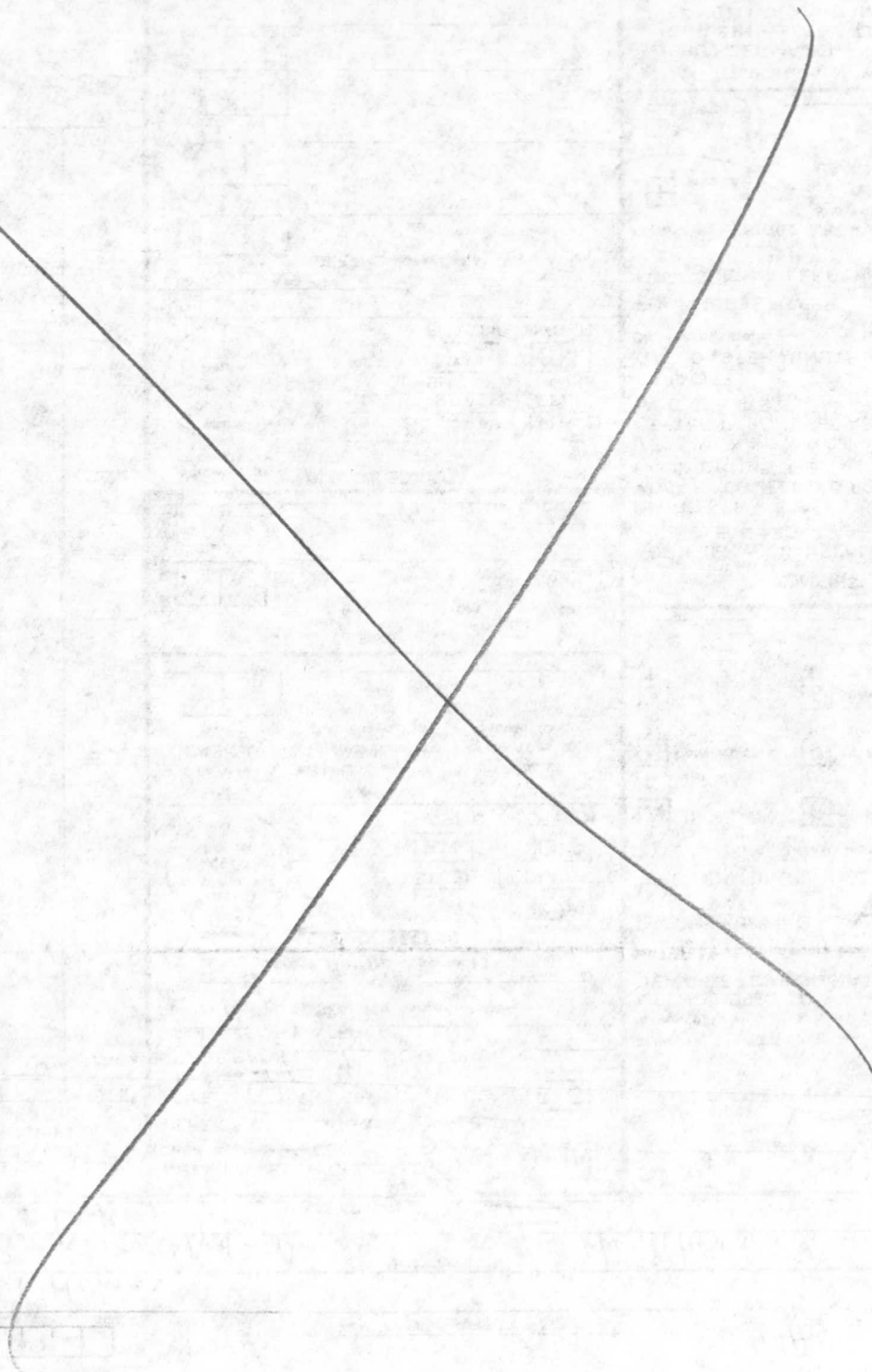
SITE SUPERVISOR (sign of driller or journeyman responsible for sitework if different from permittee)

HEALTH

RECEIVED  
HOWARD COUNTY  
HEALTH DEPT.

Nov 1 4 55 PM '87

DIVISION OF  
ENVIRONMENTAL  
HEALTH



P.O. Box 861

Phone 848-4170 876-1911

A24039

# WESTMINSTER ROTARY WELL DRILLING, INC.

## DANA KYKER & SONS

BLAST HOLE DRILLING

*Commercial & Domestic*

9/3/82

New World Homes  
9211 Connell Street  
Columbia, Maryland 21046

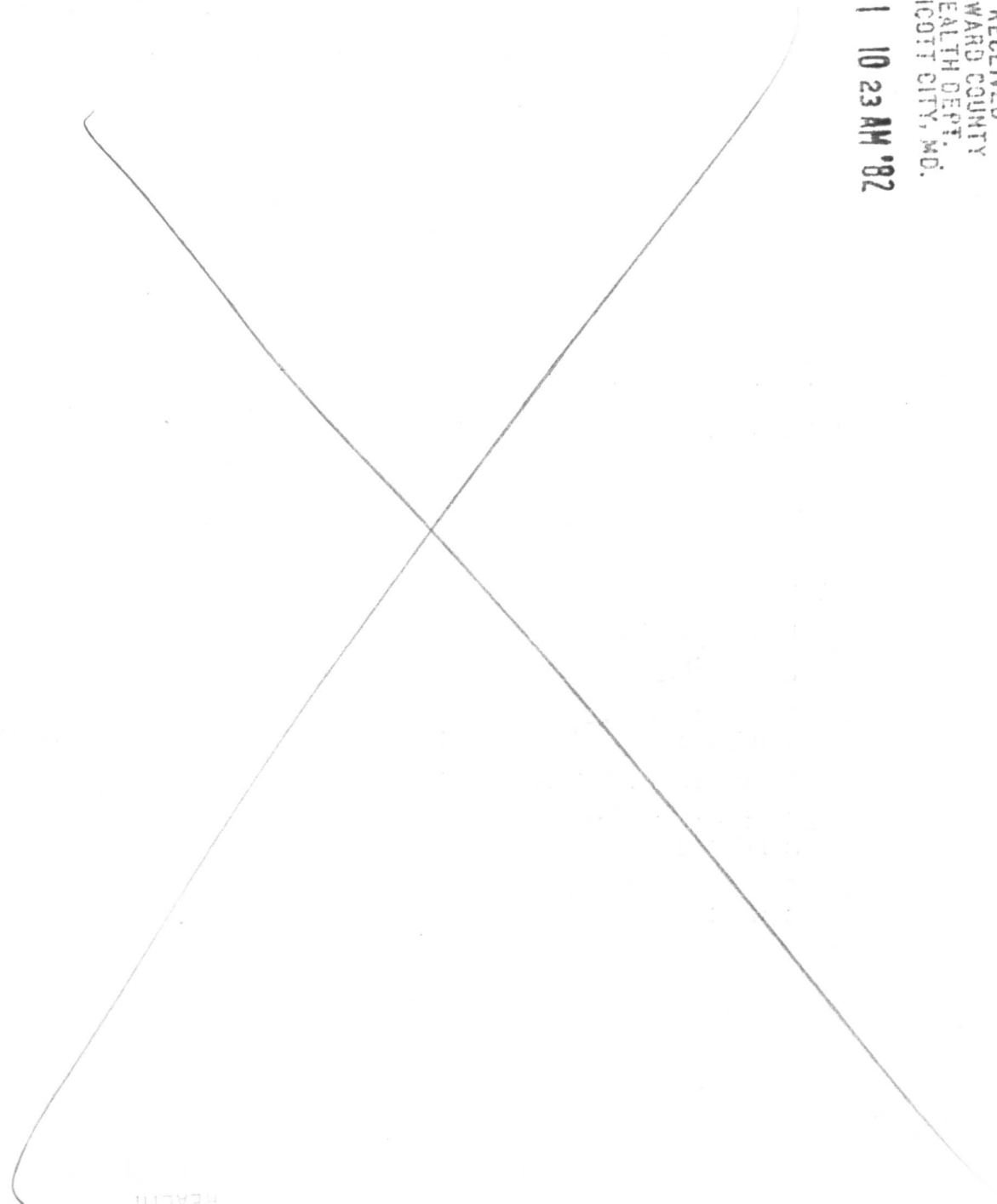
Highland Lakes  
Lot #39, Section II  
6543 River Clyde Road  
HO-73-4244

### LOG OF DRY HOLE #1 - 403 Feet

Dirt	0	1	
Soft Brown Mica & Sand	1	13	
Soft Brown Sandstone	13	40	
Hard Brown & Blue Sandstone	40	43	17 bags to backfill
Soft Brown Sandstone	43	45	
Hard Brown & Blue Sandstone	45	31	
Hard Blue & Black Sandstone	31	403	



RECEIVED  
HOWARD COUNTY  
HEALTH DEPT.  
ELICOTT CITY, MD.  
Nov 1 10 23 AM '82



RECEIVED  
HOWARD COUNTY  
HEALTH DEPT.  
Nov 1 4 55 PM '82  
DIVISION OF  
ENVIRONMENTAL  
HEALTH

A24039

# HOWARD COUNTY HEALTH DEPARTMENT

JOYCE M. BOYD, M.D., M.P.H.  
COUNTY HEALTH OFFICER



BUREAU OF ENVIRONMENTAL HEALTH  
TIBER PLACE  
8306B FORREST STREET  
ELLCOTT CITY, MARYLAND 21043  
TELEPHONE: 992-2330

November 24, 1982

Mr. William W. Reichart  
R. D. #2, Box 54  
Hanover, Pennsylvania 17331

RE: Mandatory well yield testing  
in Piedmont area

Dear Mr. Reichart:

In the past eight (8) months there has been some discrepancy regarding the approved well yield testing procedure in the Piedmont area.

Recently, a pump test was performed on Lot 89, Highland Lakes, and apparently an electric tape was not used to measure the depth to water in the well.

Please be advised that both the water level and the amount of water pumped must be measured every fifteen (15) minutes.

I have enclosed a copy of the Piedmont area well yield test procedure for your use. Should you have any questions concerning this procedure please call me at 992-2330.

Very truly yours,

*Frank A. Skinner*

Frank A. Skinner, Director  
Water and Sewerage Program

FAS:hs