

11/12/82 Appd FS

PERMIT

P 32286

A 24052

SEWAGE DISPOSAL SYSTEM

MARYLAND STATE DEPARTMENT OF HEALTH*

HOWARD COUNTY

05-385083

ELLICOTT CITY

DISTRICT 5th.

DATE 11/01/82

INDEX

New World Homes

IS PERMITTED TO INSTALL X ALTER

ADDRESS 9211 Connell Court, Columbia, Maryland 21046 PHONE 997-3761

SUBDIVISION Highland Lake ROAD 6536 River Clyde Drive LOT 85

PROPERTY OWNER New World Homes

9211 Connell Court

ADDRESS Columbia, Maryland 21046

SPECIFICATIONS 3 Bedrooms without garbage grinder

SEPTIC TANK CAPACITY 1000 GALLONS

DRAIN FIELD _____ DEPTH _____ FEET, BOTTOM AREA _____ SQ. FT.

DEEP TRENCH _____ DEPTH _____ FEET, BOTTOM AREA _____ SQ. FT.

SEEPAGE PITS _____ ABSORBENT SIDE-WALL AREA _____ SQ. FT.

INLET PIPE _____ FT. BELOW ORIGINAL GRADE. MAXIMUM DEPTH _____ FT. BELOW ORIGINAL GRADE

EFFECTIVE DEPTH AT _____ FT. BELOW ORIGINAL GRADE.

LOCATE DISPOSAL AREA _____ FT. FROM _____ LOT LINE AND _____ FT. FROM _____ LOT LINE AS SEEN WHEN

FACING LOT FROM

TRENCH SYSTEM to contain 168 ~~sq.~~ sq. ft. effective sidewall absorption area per bedroom below the first 3 1/2 to 4 ft. of non-porous soil. Maximum depth permitted for trench bottom is 10 ft. below original grade. Place the trench roughly 70 feet away from and parallel to River Clyde Drive, starting the trench 10 feet from the right side line as seen when facing the lot from the Road. NOTE: Call for trench inspection before placing gravel 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 PLACING GRAVEL IN TRENCH.

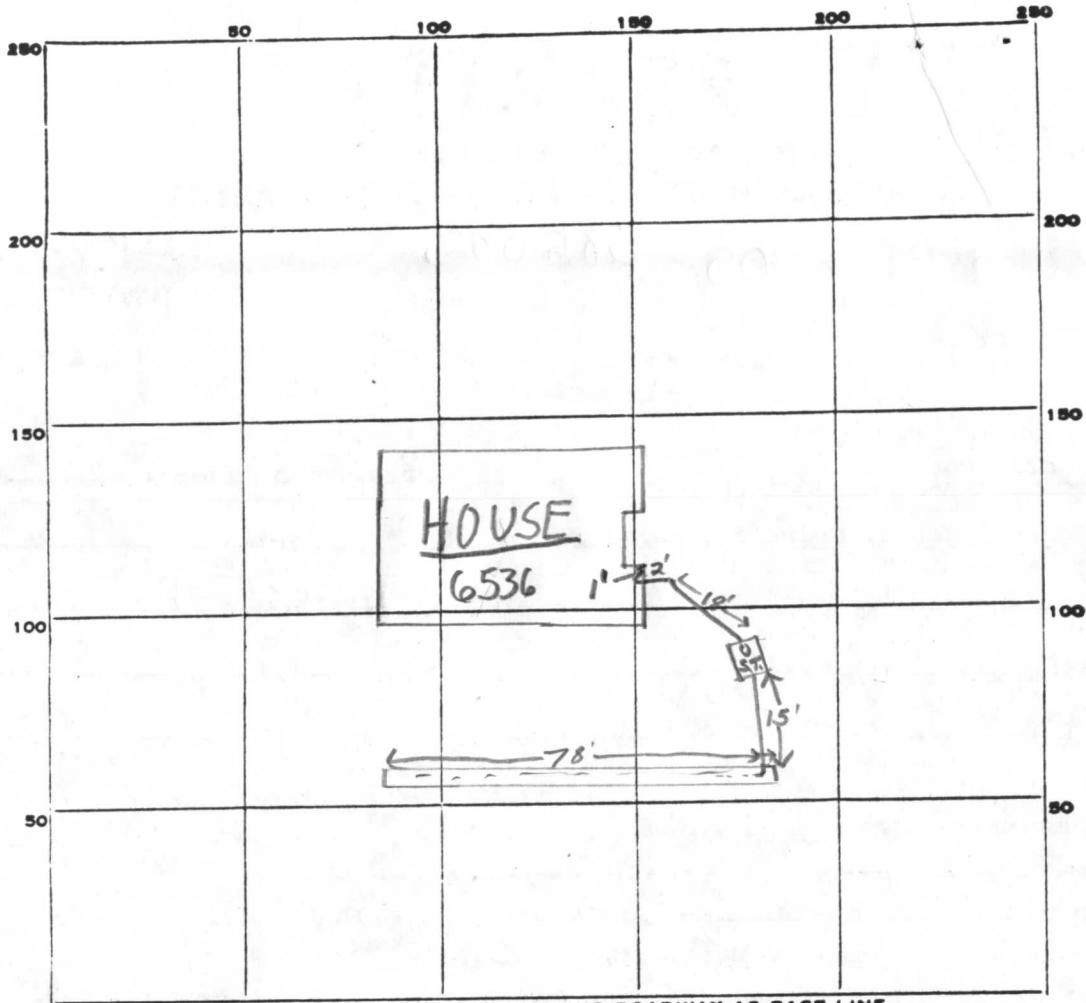
NOTE: NO DRY WELL SHALL EXCEED 15 FOOT IN DIAMETER.

NOTE: ALL PIPE FROM HOUSE TO DISPOSAL AREA MUST BE CAST IRON.

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 ACCEPTED.

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



INDICATE NORTH. - NAME ADJOINING ROADWAY AS BASE LINE.

River Clyde Drive

PERMIT CARD signed O.K. F.S.

S.I.O.K.

SEPTIC TANK, LEVEL

CLEANOUTS _____

DISTRIBUTION BOX, LEVEL n.a.

TILE FIELD, DEPTH 10 FT. TRENCH WIDTH 2 FT.

GRAVEL DEPTH 7 IN. TOTAL LENGTH 78 FT.

NUMBER OF TRENCHES 1 ONE SIDE TOTAL BOTTOM AREA ±708 ϕ

SEEPAGE PITS, INSIDE DIAMETER _____ FT. DEPTH BELOW INLET ~7 FT.

ABSORBENT AREA ±708 SQ. FT.

REMARKS 11/12/82^{am} O.K. to put gravel & pipe into trench F.S.

11/12/82^{pm} O.K. to cover all work F.S.

DATE SYSTEM APPROVED 11/12/82 INSPECTOR F. Skinner

APPLICATION

A 240.52

P _____

SEWAGE DISPOSAL TESTING

STATE OF MARYLAND - DEPARTMENT OF HEALTH AND MENTAL HYGIENE

HOWARD COUNTY HEALTH DEPARTMENT
ENVIRONMENTAL HEALTH SERVICES
P. O. BOX 476, ELLICOTT CITY, MARYLAND 21043
TELEPHONE: 465-5000, EXT. 356

DISTRICT Fifth

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. 110 Lot 85

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. Walter Bucher

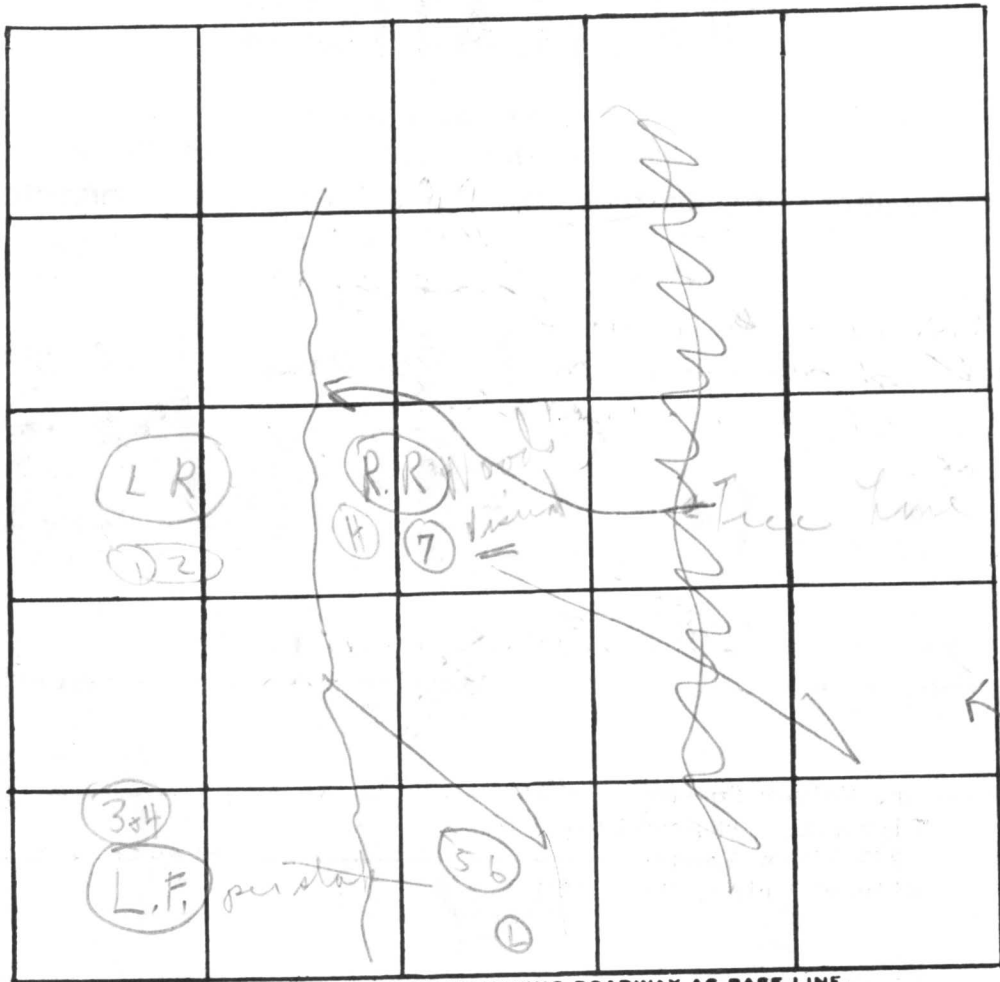
APPROVED BY _____ FOR _____ DATE _____
(KIND OF SYSTEM)

REJECTED BY _____ FOR _____ DATE _____
(KIND OF SYSTEM)

HOLD PENDING FURTHER TESTS _____ DATE _____

REASONS FOR REJECTION OR HOLDING _____

THIS IS NOT A PERMIT



INDICATE NORTH. - NAME ADJOINING ROADWAY AS BASE LINE.

Soil Profile
 1'-3' clay
 ↓ 9 1/2' loam
 1'-4' Clay
 ↓ 8' loam
 1'-3 1/2' clay
 ↓ 8 1/2' loam

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
7/22/70	1	3 1/2 s	2:43	2:44	2:44	2:48	4m
	2	2 1/2 s	2:43	2:45	2:45	2:49	4m
	3	4' s	2:53	2:54	2:54	2:56	2m
	4	12' 0	2:51	2:53	2:53	2:57	4m
	5	3 1/2 s	3:07	3:08	3:08	3:10	2m
	6	12' 0	3:07	3:09	3:09	3:12	3m
	7	11 1/2	Vessel	4-11 1/2'	1'-4' clay		4m
						6:19	

Unleaded 3 1/2
 4m

REMARKS: Weeds 4'-5' high on by loam below

TYPE OF SOIL: 2 top holes in woods

TESTED BY: C. B. d. ALSO PRESENT: 2 Kettermans

+ don-in-law

Have engineers certify holes

B 1 9399 SEQUENCE NO. (OEP USE ONLY)
(THIS NUMBER IS TO BE PUNCHED IN COLS. 3-5 ON ALL CARDS)

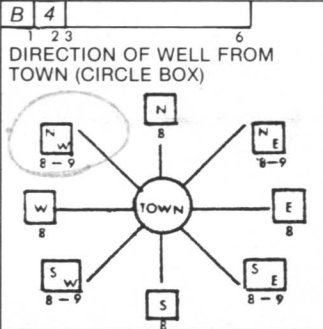
STATE OF MARYLAND PERMIT TO DRILL WELL
please print or type

OEP PERMIT NUMBER
40-73-4252
fill in this form completely

Date Received 8/20/82 1:30 PM
OWNER INFORMATION
Last Name 15 NEW WORLD HOMES
Owner
34 Name
36 Street or RFD COLUMBIA Rd.
55
Town 57 State 21946
76 Zip

B 3 LOCATION OF WELL
1 23 6
COUNTY 8 Howard 21
SUBDIVISION "Highland Lakes"
SECTION 23 II 42
44 46 48 50 LOT 85
NEAREST TOWN Highland
52
MILES FROM TOWN (enter 0 if in town) 1
73 M I 76 77 78

B 1 Continued DRILLER INFORMATION
Ronald L. Kyker 296
Driller's Name 77 License No. 80
Firm Name Westminster Rotary Well Drilling, Inc.
P.O. Box #361, Westminster, Md.
Address
Signature Ronald L. Kyker 8/20/82
Date



B 4 River Clyde Rd.
11 NEAR WHAT ROAD 30
ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX)
NORTH N
WEST W 32 EAST E
SOUTH S
130'
34 DISTANCE FROM ROAD 37
(CIRCLE APPROPRIATE BOX) M I 38 39

B 2 WELL INFORMATION
APPROX. PUMPING RATE (GAL. PER MIN.) 5
AVERAGE DAILY QUANTITY NEEDED (GAL. PER DAY) 550
14 20

SHOW MAJOR FEATURES OF BOX & LOCATE WELL WITH AN X
SOURCES OF DRILLING WATER
1. city
2.
3.
WRITE THE BOX NUMBER FROM THE MAP HERE
E 800 0
N 490 4
000 000
LOCATION OK
54' CASING
1' ABOVE GROUND
45' OPEN
XWELL
20 BAGS CEMENT
8-20-82
CW

USE FOR WATER (CIRCLE APPROPRIATE BOX)
 HOME (SINGLE OR DOUBLE HOUSEHOLD UNIT ONLY)
 FARMING (LIVESTOCK WATERING & AGRICULTURAL IRRIGATION)
22 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)

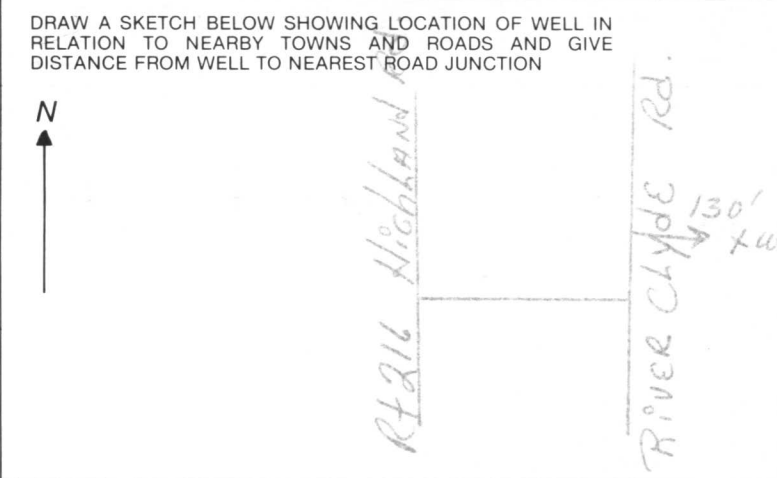
APPROXIMATE DEPTH OF WELL 250' FEET
24 26

APPROXIMATE DIAMETER OF WELL 6" NEAREST INCH

METHOD OF DRILLING (circle one)
BORED (OR AUGERED) JETTED JETTED & DRIVEN
30 AIR ROTARY AIR PERCUSSION ROTARY (HYDRAULIC ROTARY)
37 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
39 THIS WELL WILL REPLACE A WELL THAT WILL BE USED AS A STANDBY
 THIS WELL WILL DEEPEM AN EXISTING WELL
PERMIT NUMBER OF WELL TO BE REPLACED OR DEEPEMED (IF AVAILABLE) 41 52

Not to be filled in by driller (OEP USE ONLY)
APPROX. PERMIT NUMBER 54 GAP 63
FORCE EF WRITE INITIALS IN BOX PERMIT No. 40-73-9352
64 68 70 71 72 73 74 75 76 77 78 79



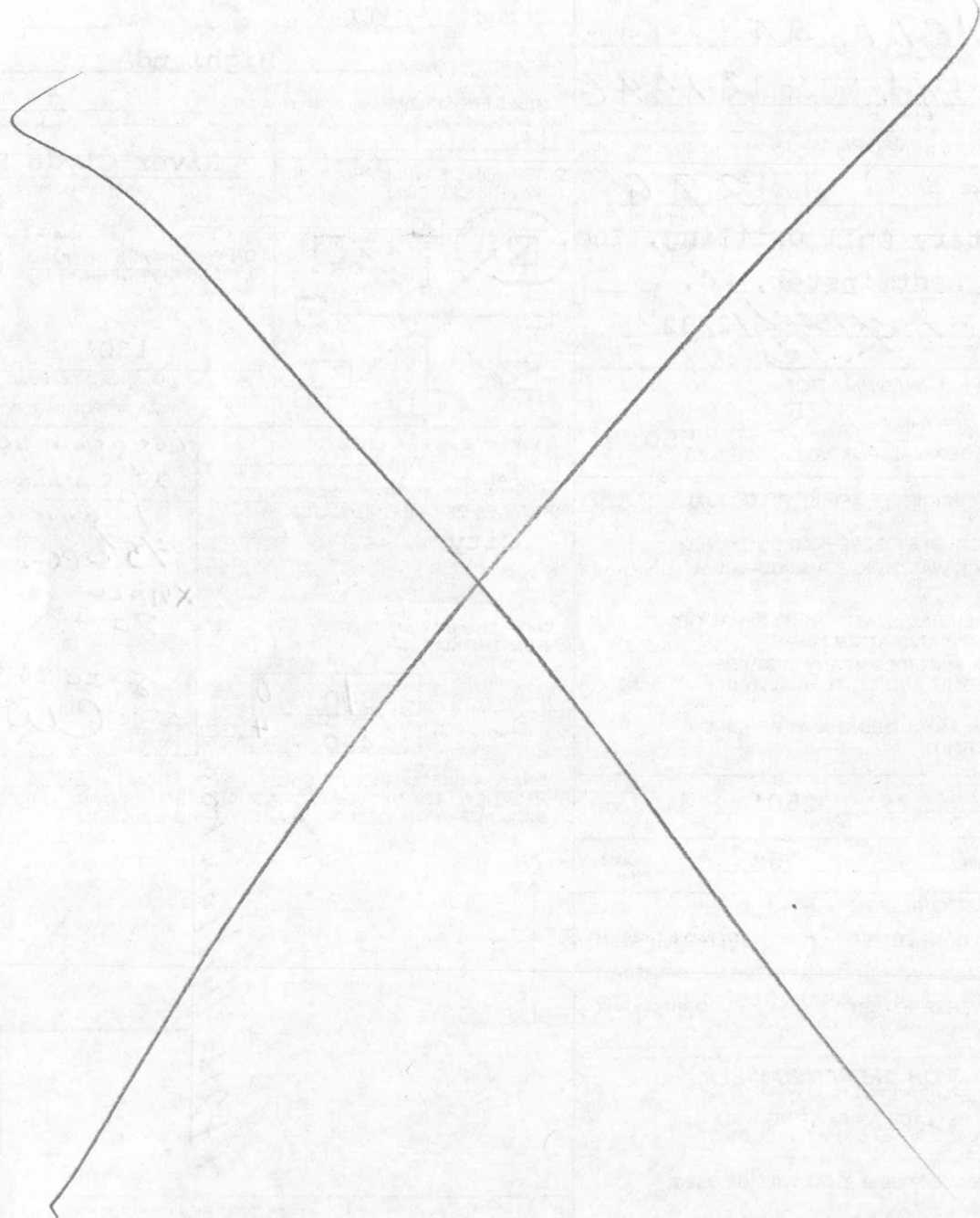
B 4 NOT TO BE FILLED IN BY DRILLER HEALTH DEPARTMENT APPROVAL
Howard 424052
COUNTY NAME COUNTY NO.
OEP SIGNATURE DATE ISSUED 08/13/82
CO SIGNATURE S. Lammert
NORTH GRID 490 EAST GRID 0810
50 55 57 63 EXPIRES 02/13/83

B 5 SPECIAL CONDITIONS 8-63
1 2 3 6

NO. 13-1-23

2 2 2

2



10/10/10

10/10/10

10/10/10

10/10/10

10/10/10

10/10/10

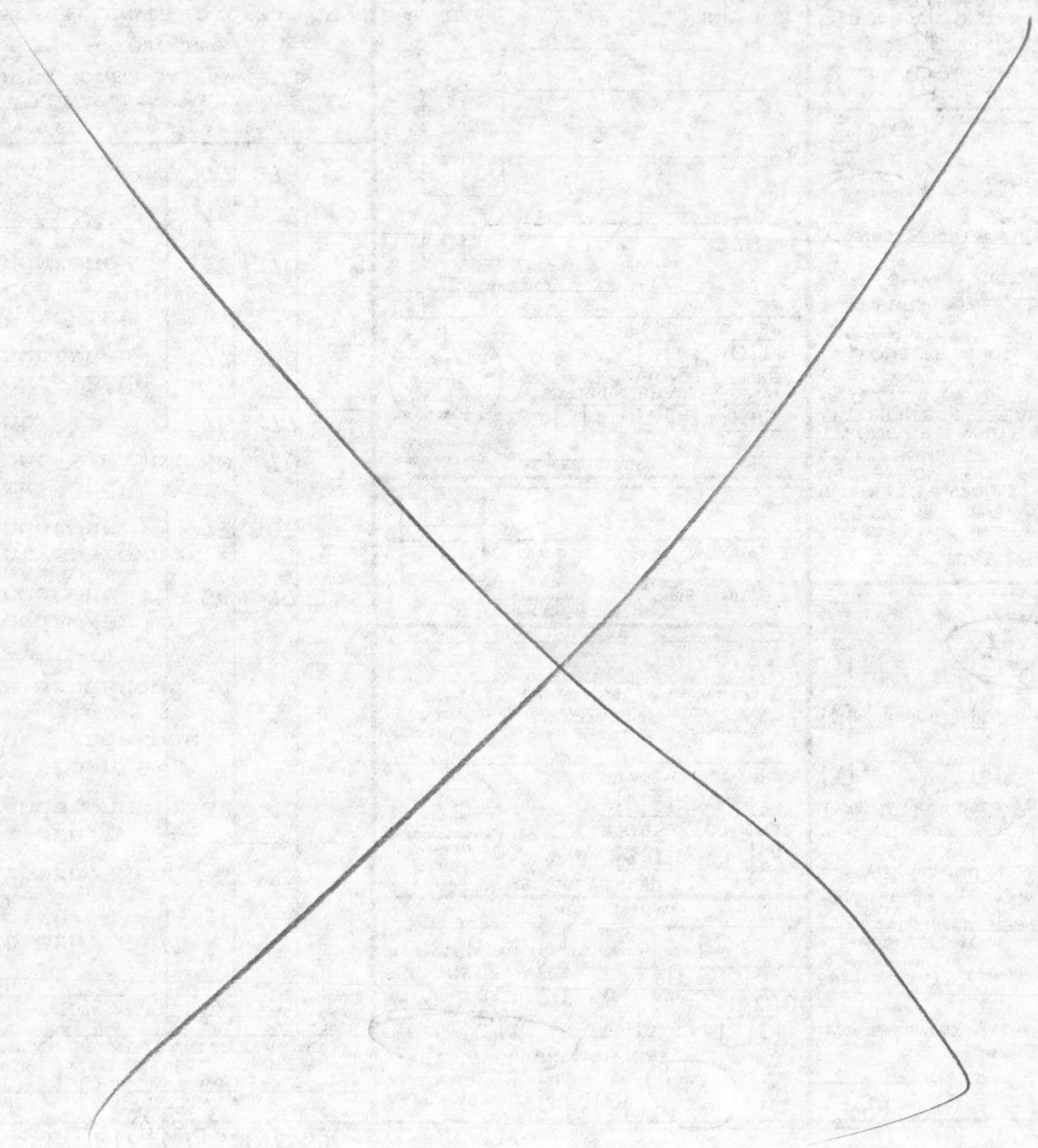
10/10/10

10/10/10

RECEIVED
HOWARD COUNTY
HEALTH DEPT.

AUG 27 9 44 AM '87

DIVISION OF
ENVIRONMENTAL
HEALTH



FIELD DATA SHEET
HOWARD COUNTY WELL YIELD TEST

Well Permit No. HO - 73-4252
 Location of property (road) River Clyde Drive
 Subdivision Highland Lakes Lot 85 Block _____ Plat _____ Sec. _____
 Well Driller Ronald Kyker Owner New World Homes

Depth of well 378'
 Distance of measuring point (M.P.) above ground 17 ft.
 Static water level (S.W.L.) below M.P. 41 ft.

I. High rate pumping -- reservoir drawdown

Time pump started 8:15 Pumping rate 18.1
 Total time 30 mins. to reach pumping water level 245 ft. below M.P.

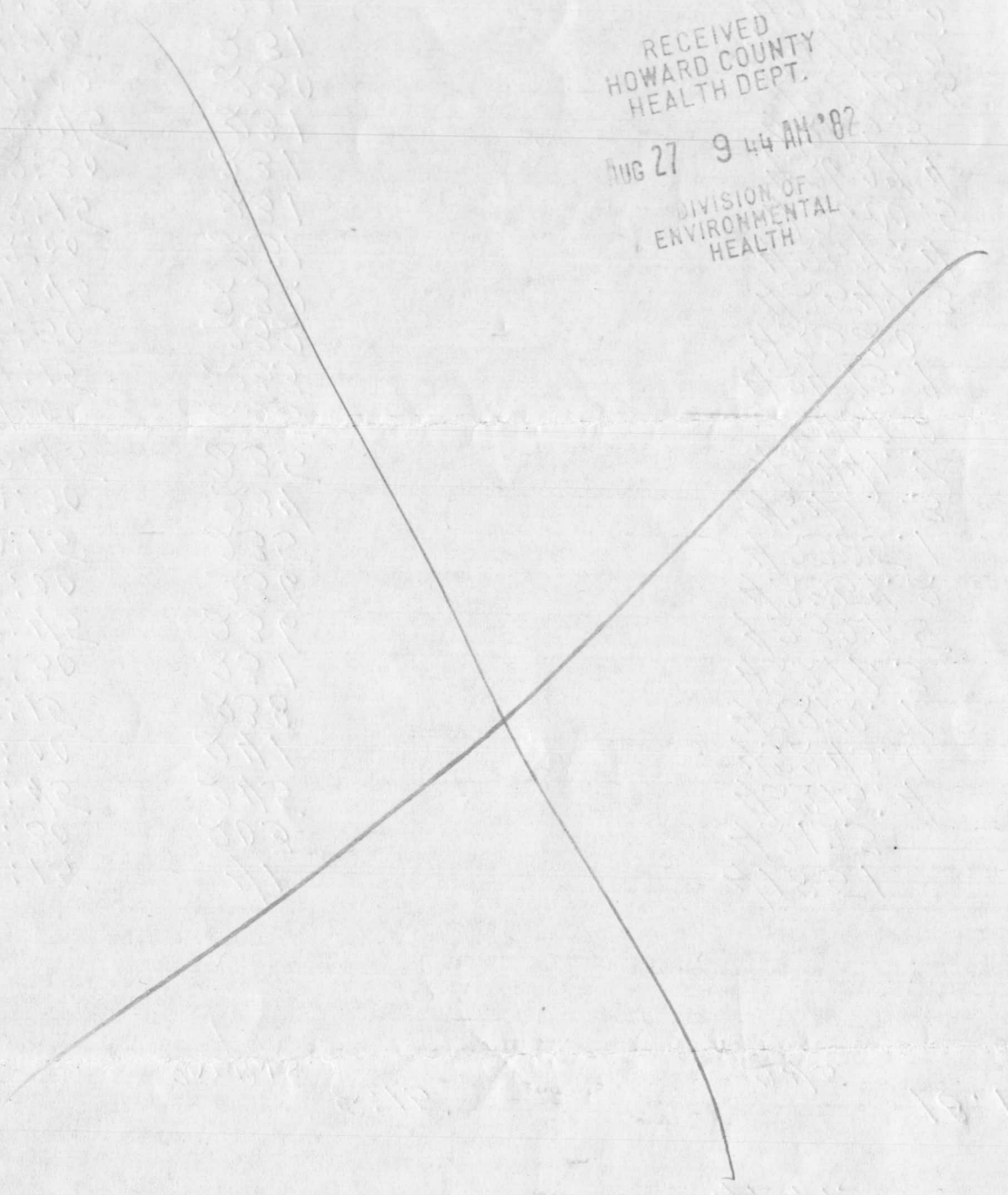
II. Recovery pump test data - observations to be recorded every 15 minutes

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)
8:15	41		41851	18.1
8:30	203		42123	18.1
8:45	245		42215.4	6.1
9:00	241		42243.6	1.8
9:15	238		42272.7	1.9
9:30	237		42299.3	1.7
9:45	236		42329.5	2.0
10:00	236		42357.2	1.8
10:15	235		42385.1	1.8
10:30	234		42412.3	1.8
10:45	235		42441.7	1.9
11:00	235		42469.8	1.8
11:15	233		42493.9	1.6
11:30	232		42520	1.7
11:45	232		42547.3	1.8
12:00	231		42573.4	1.7
12:15	231		42600.5	1.8
12:30	231		42627.4	1.7
12:45	231		42653	1.7
1:00	230		42678.8	1.7
1:15	231		42706.2	1.8
1:30	231		42733.2	1.8
1:45	231		42760.1	1.7
2:00	231		42787.3	1.8

RECEIVED
HOWARD COUNTY
HEALTH DEPT.

AUG 27 9 44 AM '82

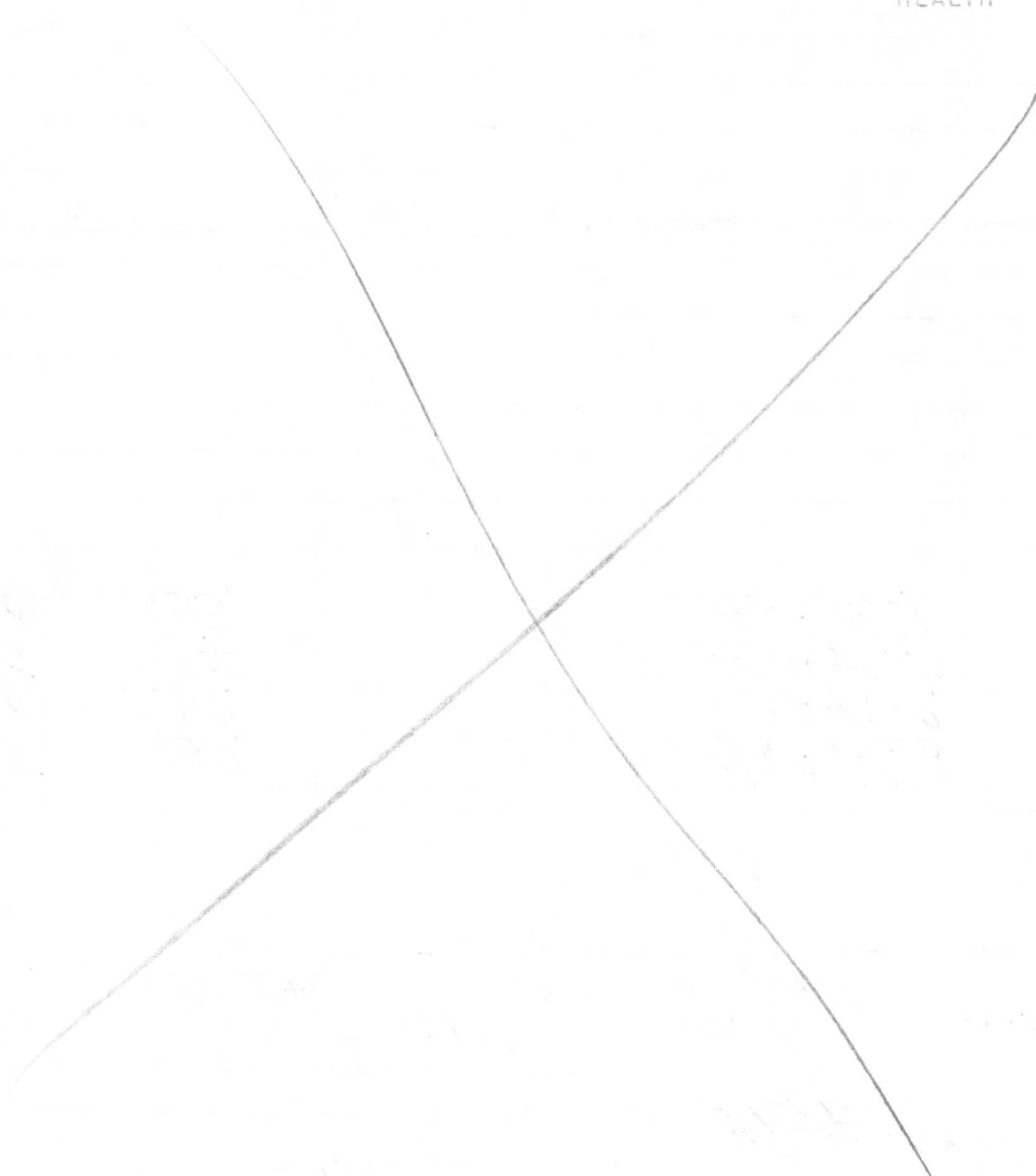
DIVISION OF
ENVIRONMENTAL
HEALTH



RECEIVED
HOWARD COUNTY
HEALTH DEPT.

AUG 27 9 44 AM '87

DIVISION OF
ENVIRONMENTAL
HEALTH



LOT 85 HIGHLAND LAKES
3 BEDROOMS

HOUSE

F.F. 483.00'
BASE 475.00'
INV. OUT 477.57'

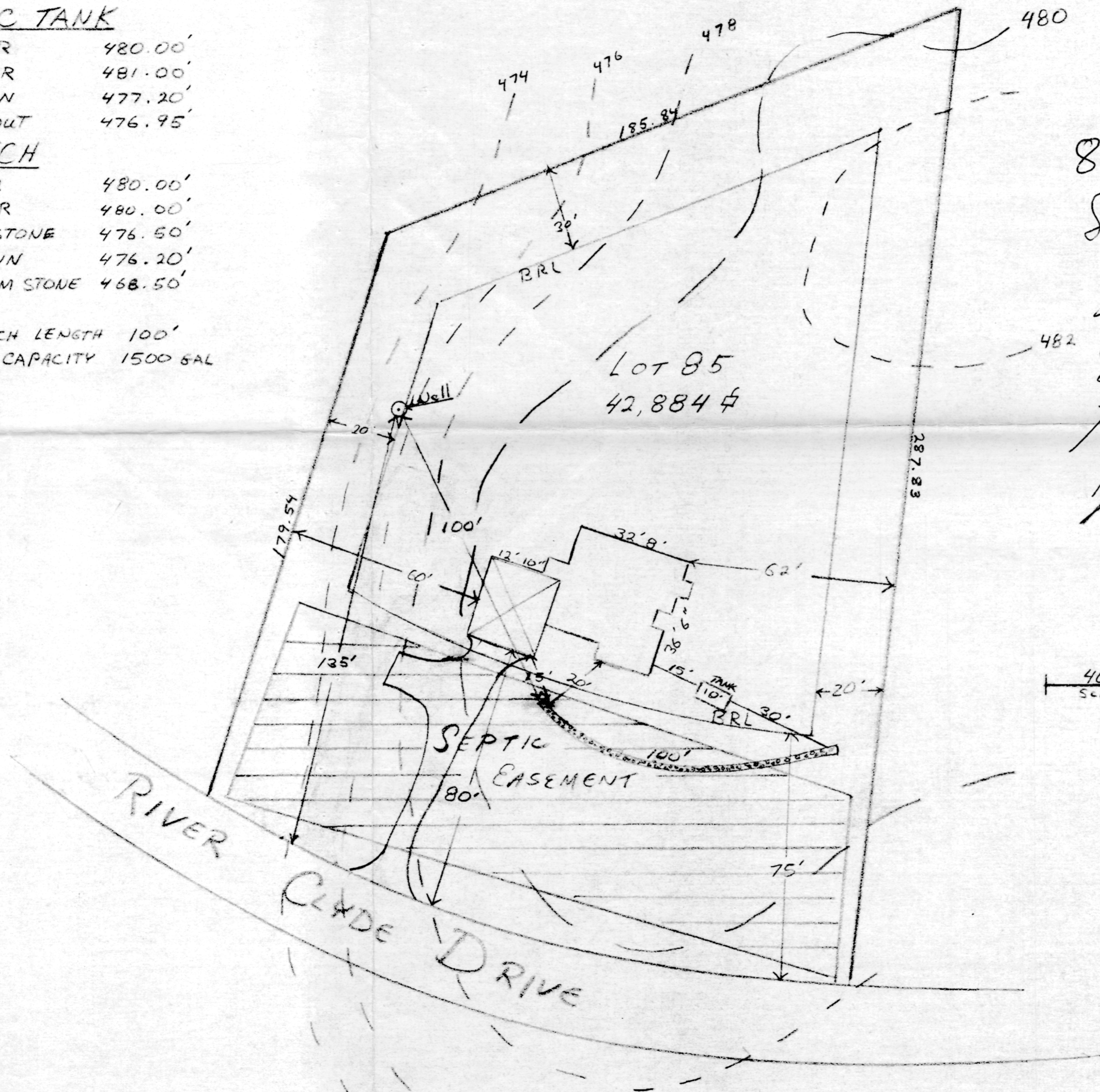
SEPTIC TANK

EX GR 480.00'
FIN GR 481.00'
INV IN 477.20'
INV OUT 476.95'

TRENCH

EX GR 480.00'
FIN GR 480.00'
TOP STONE 476.50'
INV IN 476.20'
BOTTOM STONE 468.50'

TRENCH LENGTH 100'
TANK CAPACITY 1500 GAL



8/6/82
Septic sketch OK.
But well site
should be moved
to higher part of
lot (Right rear side)
Trench must be at least F.S.
20' from house.

