

6/19/85 4/20/85 AM

APPROVED
6/20/85
R.H.

PERMIT

SEWAGE DISPOSAL SYSTEM

MARYLAND STATE DEPARTMENT OF HEALTH

HOWARD COUNTY

BUREAU OF ENVIRONMENTAL HEALTH

992-2330

05-383633

ELLICOTT CITY

DISTRICT 5th

DATE 9/27/84

INDEXED

Oskar Schulz, Inc.

IS PERMITTED TO INSTALL ☒ ALTER

ADDRESS 6610 Blackwatch Lane, Highland, MD 20777 PHONE 854-2669

SUBDIVISION Highland Lakes ROAD 6559 River Clyde Dr. LOT 78, Sec. 2

PROPERTY OWNER Oskar Schulz

ADDRESS

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

GARBAGE GRINDER? YES ☐ NO ☒

SEPTIC TANK CAPACITY 1500 ~~1000~~ ~~1250~~ GALLONS

NUMBER OF BEDROOMS 3 ~~4~~ 5 BR

TRENCHES - 158 sq. ft. per bedroom. Trench to be 2 feet wide. Inlet 4 feet below original grade. Bottom maximum depth 8 feet below original grade. Effective area begins at 4 feet below original grade. 4 feet of stone below distribution pipe. LOCATION: Start first trench at a point 140 feet from the front lot line and 45 feet from the right lot line as seen when facing the property from River Clyde Drive. Run trench(s) along level ground toward back right corner of lot. NOTE: No trench to exceed 100 feet in length. If more than one trench used, a distribution box is required. Trenches to be installed on level ground. call for inspection of trench before and after gravel is installed. Provide 6" - 8" diameter cleanout and cap to grade or above on septic tank.

PLANS APPROVED BY Craig Williams

DATE 9/2/83

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.

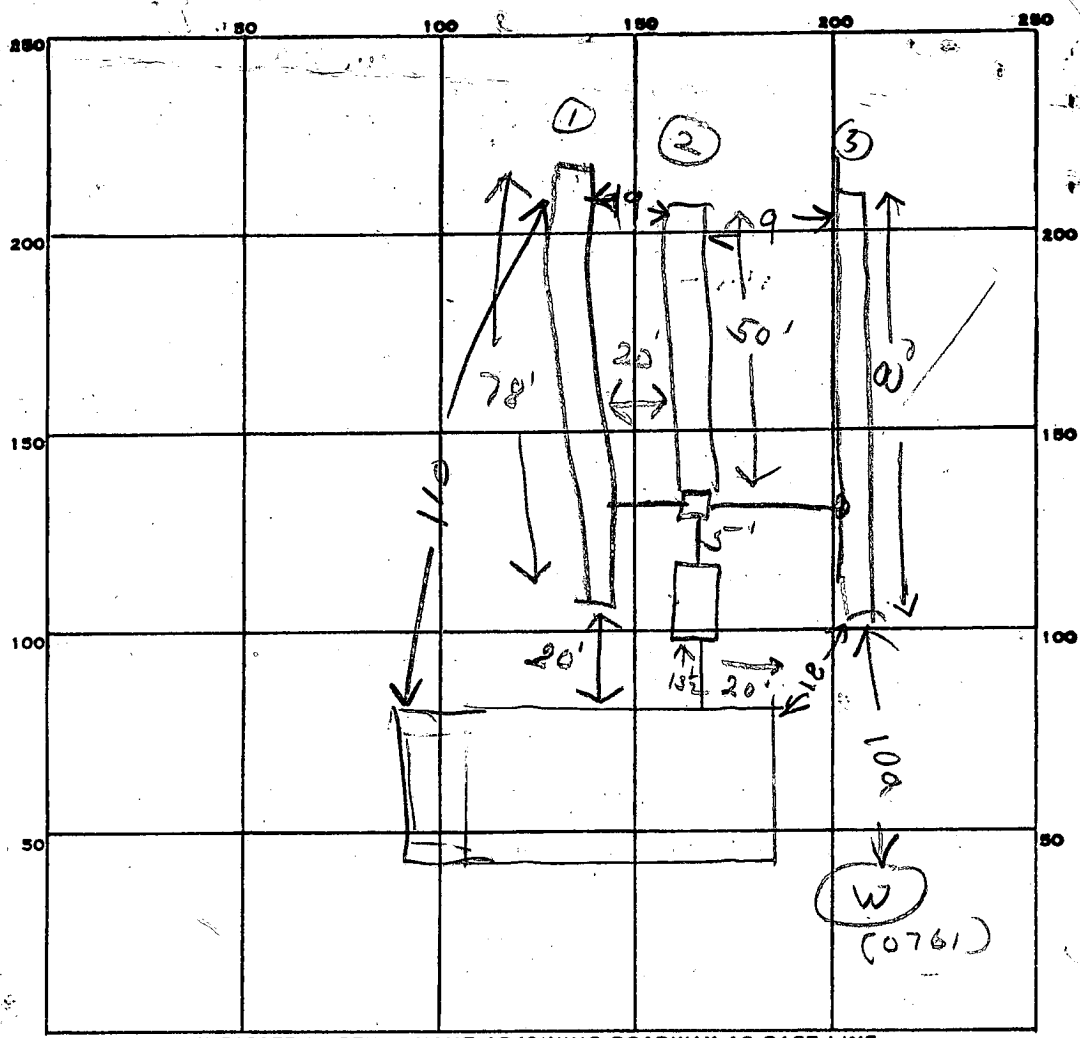
*INSTALLER IS RESPONSIBLE FOR OBTAINING FINAL APROVAL ON THIS PERMIT

*CALL 992-2330 FOR INSPECTION OF SEPTIC SYSTEMS.

EH - 2-1082

A 27741

158
3
79.0



128
72
200

INDICATE NORTH. - NAME ADJOINING ROADWAY AS BASE LINE.

PERMIT CARD _____

SEPTIC TANK, LEVEL 1500 g.a. CLEANOUTS ST OK

DISTRIBUTION BOX, LEVEL ✓

TILE FIELD, DEPTH

#1	#2	#3
0	0	8.5

 FT. TRENCH WIDTH

#1	#2
2	2

GRAVEL DEPTH

#1	#2	#3
4	4	4

 IN. TOTAL LENGTH

#1	#2	#3
78	50	90

 FT.

NUMBER OF TRENCHES 2 TOTAL BOTTOM AREA

#1	#2	#3
312	200	480

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

ABSORBENT AREA _____ SQ. FT.

REMARKS 6/19/85 OK to add stone in #1 trench. OK to cover
#2 trench. 1100AM 6/20/85 - TRENCH #3 DUG & STONE ADDED
TO TRENCH #1. ADD STONE TO TRENCH #2
6/20/85 1230PM - STONE ADDED TO TRENCH #3

DATE SYSTEM APPROVED 6/19/85 INSPECTOR Raymond Hodges

SUBDIVISION: HIGHLAND LAKELOT NUMBER: 78A 27741
P-34414DRY WELL OR DRY WELL AND TRENCH

		<u>sq. ft./bedroom</u>
	<u>Septic Tank</u>	<u>Minimum Total square Feet</u>
3 bedroom	1000 gallon	
4 bedroom	1250 gallon	
5 bedroom	1500 gallon	

Inlet _____ feet below original grade.

Bottom maximum depth _____ feet below original grade.

Effective area begins at _____ feet below original grade.

NOTE: If trench is used to make up absorbent area, run the trench on level ground and leave a 5 foot earth buffer between dry well and trench. No trench is to exceed 100 feet in length. Trench inlet to be same as dry well, with _____ feet of stone below distribution pipe.

TRENCHES158 sq. ft./bedroomTrench to be 2 wide.Inlet 4 feet below original grade.Bottom maximum depth 8 feet below original grade.Effective area begins at 4 feet below original grade.14 feet of stone below distribution pipe.

- NOTE:
- (1) No trench to exceed 100 feet in length.
 - (2) If more than one trench used, a distribution box is required.
 - (3) Trenches to be installed on level ground.
 - (4) Call for inspection of trench before gravel is installed.
 - (5) Provide 6"-8" diameter cleanout and cap to grade or above on septic tank and drywell.
 - (6) If a Garbage disposal is used, increase septic tank capacity by 50% and increase absorbant sidewall area by 22%.

LOCATION: START FIRST TRENCH AT A POINT 140' FROM THE
FRONT LOT LINE AND 45' FROM THE RIGHT LOT LINE AS SEEN
WHEN FACING THE PROPERTY FROM RIVER CLYDE DRIVE. RUN TRENCH(S)
ALONG LEVEL GROUND TOWARD BACK RIGHT CORNER OF LOT.

9-2-83 Craig William

APPLICATION

A 27741

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 5th

DATE 3/30/78

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 Oskar Schulz, Inc
J.T. Barnes of Washington, D.C., Inc. & D. Grunberg

ADDRESS 6610 Blackwatch Lane
152 New Mark Esplanade, Rockville, Md. PHONE 340-8979 854-2669
Highland, Maryland 20777

PROPERTY LOCATION:

SUBDIVISION Highland Lake LOT NO. 78, Sec.2

ROAD AND DESCRIPTION Castlebay Lane 6539 River Clyde Drive

SIZE OF LOT 40000 sq. ft. TYPE BLDG. 3 or 4
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/ Walter Bucher BLDG. PERMIT SIGNED
AND RETURNED 10/22/84
Serial # 61329 9FD

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

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

HOLD PENDING FURTHER TESTS _____ DATE _____

REASONS FOR REJECTION OR HOLDING 4/18/78 DIGMORE RH 4/21/78 LOT

REJECTED NO POINT IN DIGGING MORE UNLESS

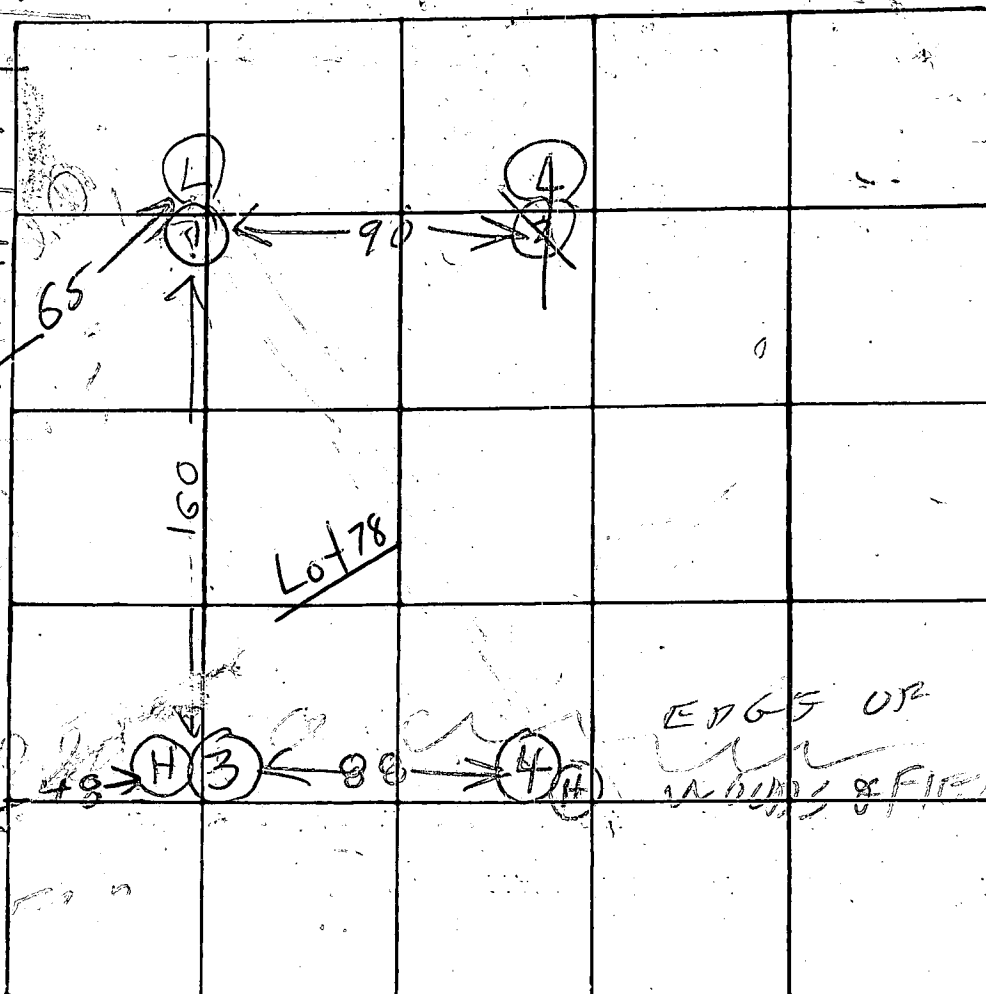
LOT LINES CHANGED UNDERGROUND WATER RH

3/23/83 Lot Lines must be staked & lot must be tested in wet season FDS,

THIS IS NOT A PERMIT

SURVEYOR # RH #

C 1
D 2
A 3
B 4
NONE 5
NONE 6



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
4/18/78	1S	4	248	251	251	257	6
	1D	13 1/2	SANDY WATER		13 FT		
	2S	6	253	255	255	257	2
	2D	12	SANDY WATER 11 1/2 FT				
	3D	12	306	307	307	310	3
	3S	4	307	308	308	313	5
	4S	4	322	327	327	334	7
4/18/78	4D	13	322	323	323	325	2
	5V	13	TOP 6 FT CLAY BUT 7 FT SANDY WATER 10 FT				
4/18/78	6V	11	TOP 4 FT CLAY BUT 7 FT SANDY WATER 10 FT				

REMARKS CERTIFY HULIES

TYPE OF SOIL

TESTED BY R. HODGES

ALSO PRESENT: OKETTERMAN

APPLICATION

Final #78
A ~~20247~~

SEWAGE DISPOSAL TESTING

P _____

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 5th
DATE 6/27/74

more test

rejected 82
6/6/154

Hold for D.W.M.

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 J.T. Barnes of Washington, D.C. Inc. & D. Grunberg

ADDRESS 152 New Mark Esplanade Rockville, Md. PHONE 390-8979

PROPERTY LOCATION:

SUBDIVISION Highland Lake LOT NO. 156-Phase 9

ROAD AND DESCRIPTION Castlebay Lane

SIZE OF LOT 40000 sq ft TYPE BLDG. 34
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 *Paul J. ...*

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

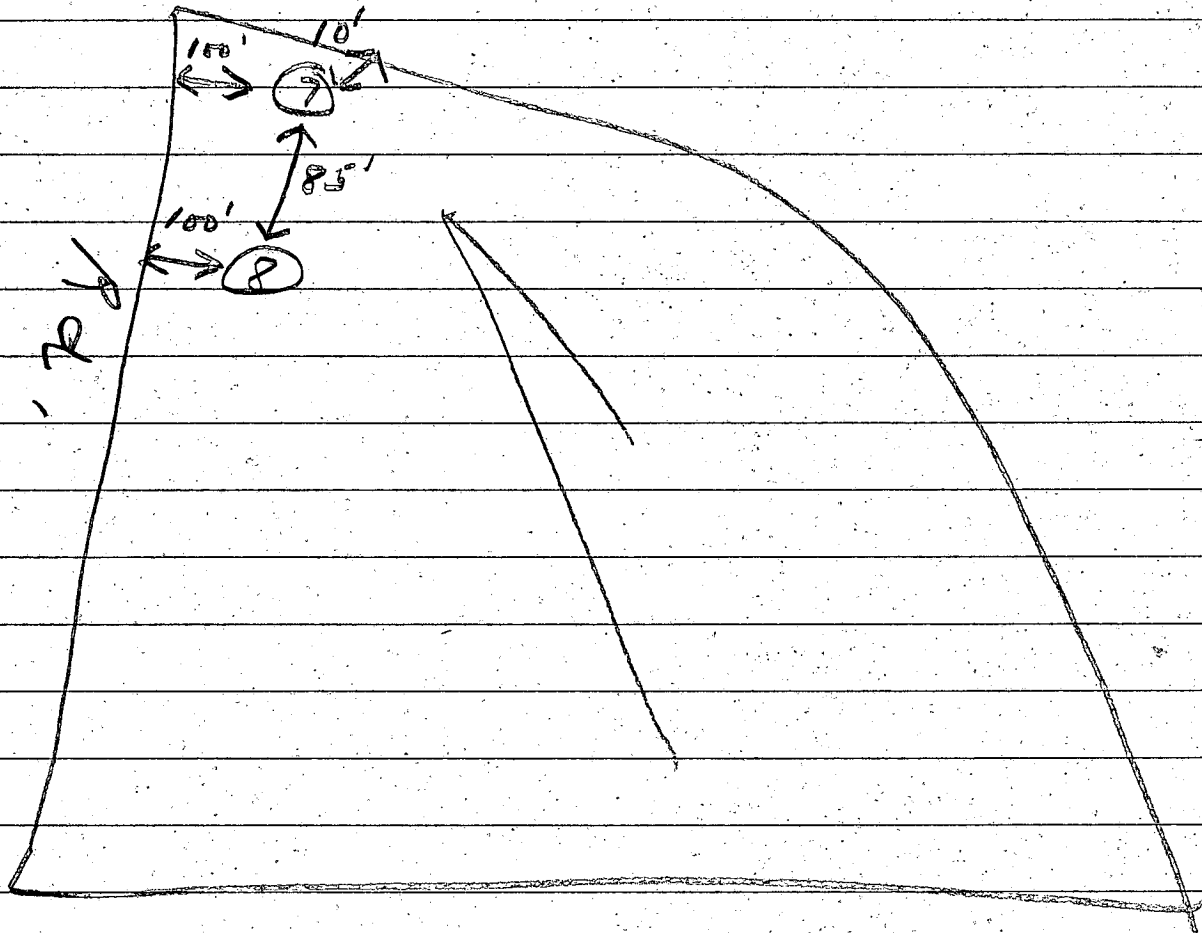
REJECTED BY _____ FOR _____ DATE _____
(KIND OF SYSTEM)

HOLD PENDING FURTHER TESTS _____ DATE _____

REASONS FOR REJECTION OR HOLDING _____

THIS IS NOT A PERMIT

Lot 78 Highland Lake



⑦ — water at 11'

⑧ — water at 10'

4/28/83 JS

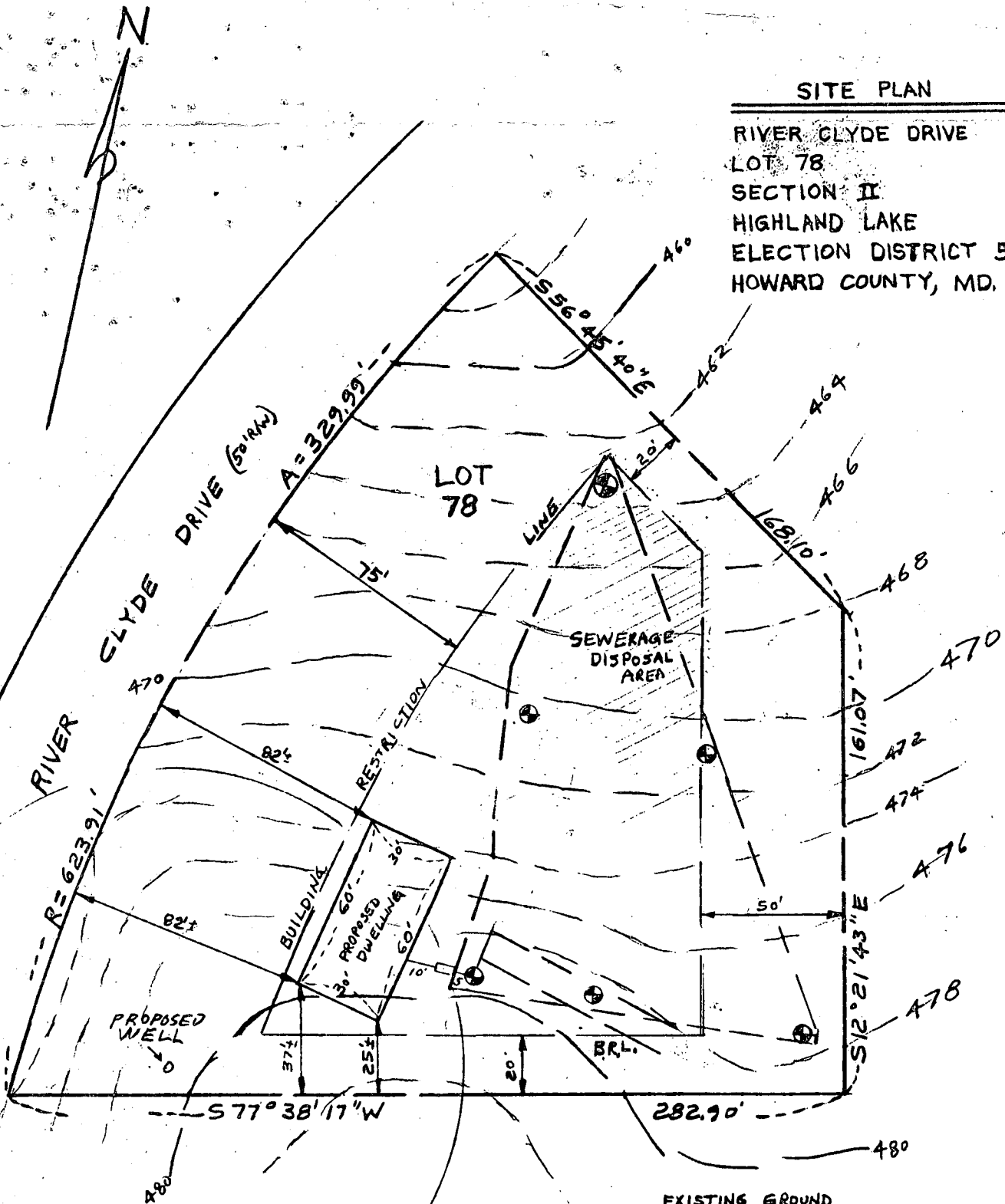
William E. Doyle

LAND SURVEYOR 8440

5312 EMERALD DRIVE SYKESVILLE, MARYLAND 21784 PHONE (301) 795-2210

SITE PLAN

RIVER CLYDE DRIVE
LOT 78
SECTION II
HIGHLAND LAKE
ELECTION DISTRICT 5
HOWARD COUNTY, MD.



I CERTIFY THE ABOVE
MEASUREMENTS AND
ELEVATIONS ARE ACTUAL
AND CORRECT FOR THIS
PROPERTY

SIGNED

William E. Doyle



10/22/87
Sketch OK
W.E.

EXISTING GROUND	
AT DRYWELL	479.50
INV. IN DRYWELL	476.50
INV. OUT SEPTIC TANK	476.60
INV. IN SEPTIC TANK	477.00
INV. OUT DWELLING	477.20
FIRST FLOOR ELEV.	482.00
BASEMENT ELEV.	474.00
WELL ELEV.	478.40
No. OF BEDROOMS	4
ACREAGE	1.2391 AC.

SCALE: 1"=50'

DRAWN: APRIL 13, 1983
REVISED: MAY 5, 1983
REVISED SEPT 24, 1984

FILE NO. 369

B 1

7894

SEQUENCE NO.
(OEP USE ONLY)STATE OF MARYLAND
PERMIT TO DRILL WELL

please print or type

OEP PERMIT NUMBER

HO-81-0761

fill in this form completely

(THIS NUMBER IS TO BE PUNCHED
IN COLS. 3-6 ON ALL CARDS)

Date Received

092687

OWNER INFORMATION

OSKAR SCHULIZ INC

6610 Blackwatch Lane

Highland MD 20777

DRILLER INFORMATION

Wm W. Reichart

Driller's Name

064

77 License No. 80

Wm W. Reichart, Inc

Firm Name

RD 2 Box 54 Hagover, PA 17331

Address

Wm W. Reichart

Signature

9/18/84

Date

B 2

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 550 FEET

APPROXIMATE DIAMETER OF WELL 6 INCH

METHOD OF DRILLING (circle one)

BORED (or Augered) JETTED Jetted & 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☐ THIS WELL WILL DEEPEMED AN EXISTING WELLPERMIT NUMBER OF WELL TO BE REPLACED OR DEEPEMED
(IF AVAILABLE)

Not to be filled in by driller (OEP USE ONLY)

APPROP. PERMIT NUMBER GAP

FORCE FS WRITE INITIALS IN BOX PERMIT No. HO-81-0761

SPECIAL CONDITIONS

B 3

LOCATION OF WELL

840.00

Howard

8 COUNTY

Highland Lake

23 SUBDIVISION

SECTION

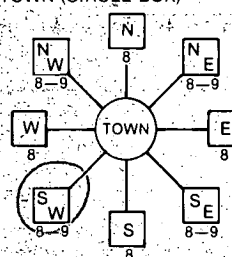
LOT 78

Clarksburg

52 NEAREST TOWN

MILES FROM TOWN (enter 0 if in town) 1.25 MI

B 4

DIRECTION OF WELL FROM
TOWN (CIRCLE BOX)

River Clyde Drive

NEAR WHAT ROAD

ON WHICH SIDE OF ROAD
(CIRCLE APPROPRIATE BOX)
 NORTH
☒ EAST
☐ WEST
☐ SOUTH
DISTANCE FROM ROAD
60

ENTER FT. or MI 60

NOT TO BE FILLED IN BY DRILLER
HEALTH DEPARTMENT APPROVAL

HOWARD

A 27741

COUNTY NAME

COUNTY NO.

OEP

STATE HEALTH

SIGNATURE

INSERT S

DATE ISSUED

101084

Frank Shuman

4/10/85

43

48 CO SIGNATURE

EXP. DATE

NORTH

499000

50

EAST

0811000

57

SHOW MAJOR FEATURES OF
BOX & LOCATE WELL WITH AN X

SOURCES OF DRILLING WATER

1. Approved well

2.

3.

WRITE THE BOX NUMBER
FROM THE MAP HERE
 E 810
 N 490

Location OK

40' CASING

20' OPEN

30' JETTED

(1 1/2' ABOVE GRADE)

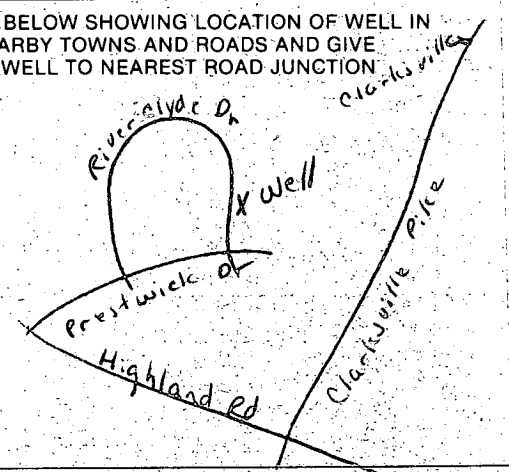
18' BAGS CEMENT

10/17/84 CW

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

N

↑



Review

Date: October 11, 1989 Grout - 7:00 P.M.

H9768 17

FIELD DATA SHEET
HOWARD COUNTY WELL YIELD TEST

William

Well Permit No. HO - 81-0761
Location of property (road) River Clyde Drive
Subdivision Highland Lakes Lot 78 Block Plat Sec.
Well Driller Wm. W. Reichart Owner Oskar Schultz Inc.

Depth of well 300
Distance of measuring point (M.P.) above ground 2'
Static water level (S.W.L.) below M.P. 25

High rate pumping -- reservoir drawdown

Time pump started 8:30 Pumping rate 10 gpm
Total time 2 hr to reach pumping water level 275 ft. below M.P.

11. 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 81 gallon bucket	FLOW METER READING (if used)	CALCULATED FLOW (gallons per minute)
1:00	275	20 sec		36 PM
1:15	275	20 sec		36 PM
1:30	275	20 sec		36 P.M.
(WPD on Back)				

8/21/85 work outside covered,
PRV installed inside

JS

C1 3007 SEQUENCE NO. (OEP USE ONLY)

THIS NUMBER IS TO BE PUNCHED
IN COLS. 3-6 ON ALL CARDSSTATE 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 27741

DATE Received

DATE WELL COMPLETED

Depth of Well

PERMIT NO.
FROM "PERMIT TO DRILL WELL"

8 13

101784

22 300 26
(TO NEAREST FOOT)28 29 30 31 32 33 34 35 36 37
40-81-0741

OWNER

Schultz Oskar

STREET OR RFD

last name first name
Kiven Clyde Drive

TOWN

SUBDIVISION

Highland Lakes

SECTION

LOT

78

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

Check
if water
bearing

DESCRIPTION (Use additional sheets if needed)	FEET	Check if water bearing
	FROM	TO
rolling ground & gravel	0	36'
schist	36'	88'
water		
schist	88'	266'
water		
schist	266'	300'

GROUTING RECORD

WELL HAS BEEN GROUTED
(Circle Appropriate Box)yes no
Y N
44 44

TYPE OF GROUTING MATERIAL

CEMENT CM

BENTONITE CLAY BC

NO. OF BAGS 18 NO. OF POUNDS 1758

GALLONS OF WATER

DEPTH OF GROUT SEAL (to nearest foot)

from 0 ft. to 38 ft.
(enter 0 if from surface)casing
types
insert
appropriate
code
below

CASING RECORD

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 6 99

EACH CASING

OTHER CASING (if used)

diameter inch depth (feet) from to

screen type or open hole

SCREEN RECORD

insert appropriate code below

ST BR HO
STEEL BRASS OPEN HOLE
PL BRONZE
PLASTIC OTHER

C2

DEPTH (nearest ft.)
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51

SLOT SIZE 1 2 3

DIAMETER OF SCREEN (NEAREST INCH)

from to

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

TELESCOPE CASING

LOG INDICATOR

OTHER DATA

C3

PUMPING TEST

HOURS PUMPED (nearest hour)

PUMPING RATE (gal. per min. to nearest gal.)

METHOD USED TO MEASURE PUMPING RATE watch bucket

WATER LEVEL (distance from land surface)

BEFORE PUMPING

WHEN PUMPING

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 YES NO

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

TYPE OF PUMP INSTALLED

PLACE (A,C,J,P,R,S,T,O) IN BOX - SEE ABOVE:

CAPACITY: GALLONS PER MINUTE (to nearest gallon)

PUMP HORSE POWER

PUMP COLUMN LENGTH (nearest ft.)

CASING HEIGHT (circle appropriate box and enter casing height)

LAND SURFACE (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)

River Clyde Dr.

well 100'

HEALTH

Page 1 of 1
Date October 16, 1984

Review 2/25/85 by AS

FIELD DATA SHEET
HOWARD COUNTY WELL YIELD TEST

Well Permit No. HO - 81-0761
Location of property (road) River Clyde Drive
Subdivision Highland Lake Lot 78 Block Plat Sec.
Well Driller Wm. W. Reichert, Inc Owner Oskar Schulz

Depth of well 300'
Distance of measuring point (M.P.) above ground surface
Static water level (S.W.L.) below M.P. 25'

I. High rate pumping -- reservoir drawdown

Time pump started 8:30 AM Pumping rate 10 gpm
Total time 2 hrs to reach pumping water level 275' 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)
8:30	25'	30 sec		10
8:45	45'	"		"
9:00	70'	"		"
9:15	95'	"		"
9:30	115'	"		"
9:45	145'	"		"
10:00	180'	"		"
10:15	220'	"		"
10:30	275'	100 sec		3
10:45	"	"		"
11:00	"	"		"
11:15	"	"		"
11:30	"	"		"
11:45	"	"		"
12:00	"	"		"
12:15	"	"		"
12:30	"	"		"
12:45	"	"		"
1:00	"	"		"
1:15	"	"		"
1:30	"	"		"
1:45	"	"		"
2:00	"	"		"
2:15	"	"		"

↓
4:30

↓
275'

↓
100 sec

↓
3