

9/10/87  
2PM  
3/11/87  
AM-ASAP  
3/18/87 PM

05-399572

# PERMIT

SEWAGE DISPOSAL SYSTEM

MARYLAND STATE DEPARTMENT OF HEALTH

P 37156  
A 35546  
DISTRICT 5th

HOWARD COUNTY  
BUREAU OF ENVIRONMENTAL HEALTH  
461-9933

INDEXED  
531-2000

DATE 6/13/86  
DATE SYSTEM APPROVED 3/18/87  
INSPECTOR RH

Oskar Schultz IS PERMITTED TO INSTALL  ALTER

ADDRESS 6610 Blackwatch Lane, Highland, Maryland 20777 PHONE \_\_\_\_\_

SUBDIVISION Buckskin Woods ROAD 4297 Buckskin Lake Dr. LOT 22

PROPERTY OWNER Oskar Schulz Theresa Collins

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

TRENCHES - 220 sq. ft. per bedroom. Trench to be 2 feet wide. Inlet 4.5 feet below original grade. Bottom maximum depth 9 feet below original grade. Effective area begins at 4.5 feet below original grade. 4.5 feet of stone below distribution pipe.

LOCATION - Place the distribution box 250 feet from the front (200') lot line and 45 feet from the left (611') lot line as seen when facing the lot from Buckskin Lake Drive. Run trenches on contour toward the right lot line.

NOTE - No trench to exceed 100 feet in length. If more than one trench used, a distribution box is required. Provide 6" - 8" diameter cleanout and cap to grade or above on septic tank.

PLANS APPROVED BY S. Abel DATE 2/11/86

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.

BLDG. PERMIT SIGNED AND RETURNED 2/27/87  
Serial # 9776  
550 gallon oil tank

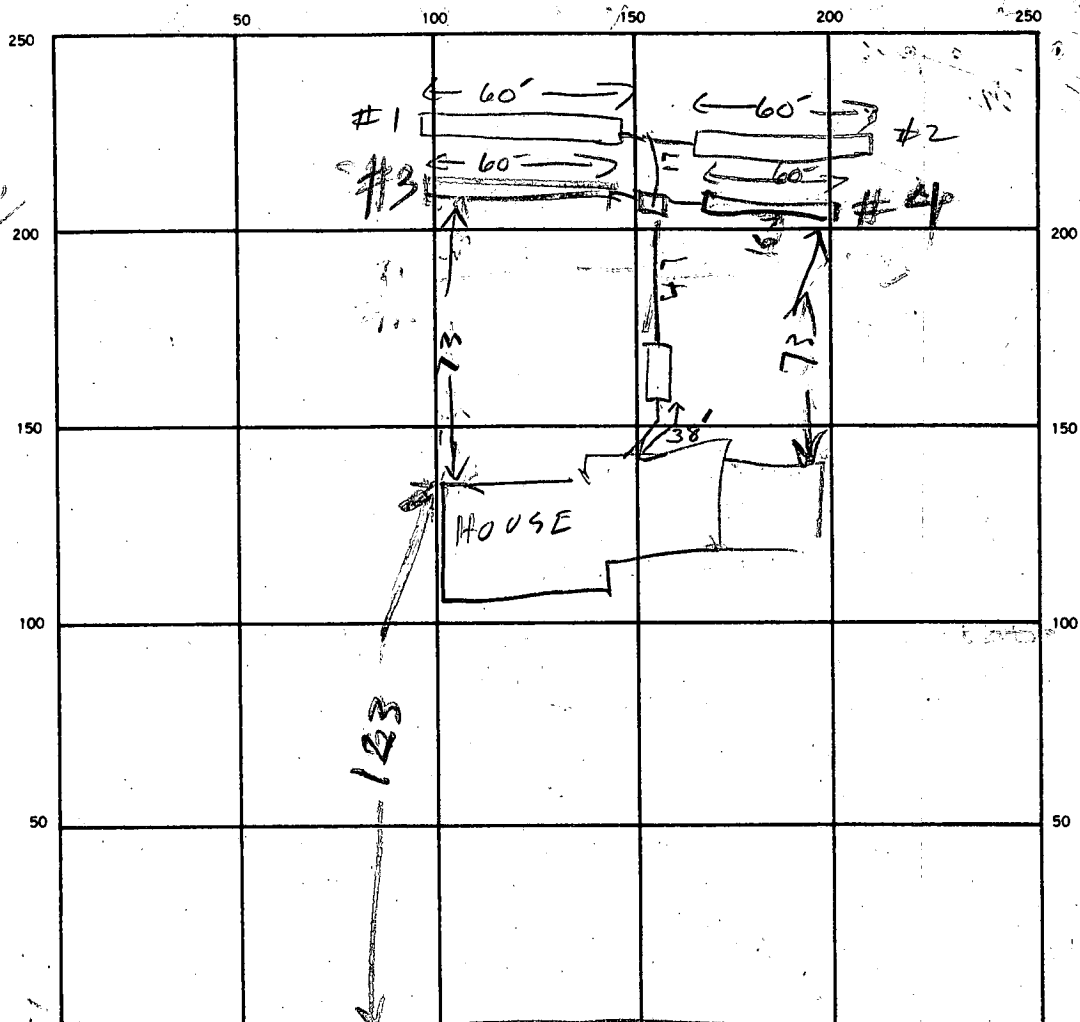
BLDG. PERMIT SIGNED AND RETURNED 11/9/86  
Serial # 22009 - Appl.

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

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

EH - 2-1186

A 35546



295  
 196  
 48800  
 43  
 430  
 403  
 250  
 223

240  
 4.5  
 1200  
 960  
 1080

SEPTIC TANK LEVEL OK 2000 GAL CLEANOUTS NO OK 3/12/87

DISTRIBUTION BOX LEVEL \_\_\_\_\_

DRAIN FIELD/TILE FIELD. DEPTH #1 #2 #3 #4 7.5 7.5 FT. TRENCH WIDTH 2 FT. INLET DEPTH 4.5 FT.

EFFECTIVE GRAVEL DEPTH 4.5 FT. TOTAL LENGTH 60 60 60 60 FT. TOTAL 240 LF

NUMBER OF TRENCHES 4 ONE SIDEWALL BOTTOM AREA 1080 SQ. FT. 1080 REQUIRED

DRYWELL INSIDE DIAMETER \_\_\_\_\_ FT. EFFECTIVE DEPTH BELOW INLET \_\_\_\_\_ FT.

ABSORBENT AREA \_\_\_\_\_ SQ. FT.

REMARKS 3/15/87 TRENCH #1 & #2 AREA WRONG  
LOCATION FILL IN TRENCH #1 & #2 OK TO USE  
TRENCH #3 & #4 IF NOT TOO CLOSE TO PROPOSED FUTURE SWIM POOL  
TALKING TO MR BAUMGARDEN ADD STONE TO #3 & #4  
DIG BEST OF TRENCHES RH  
3/18/87 STONE ADDED SYSTEM OK

DATE SYSTEM APPROVED 3/18/87 INSPECTOR Raymond Hodges

SUBDIVISION: BUCKSKIN WOODS

LOT NUMBER: 22

DRY WELL OR DRY WELL AND TRENCH

	Septic Tank	_____ sq. ft./bedroom
		<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.

TRENCHES

180 sq. ft./bedroom

Trench to be 2 wide.  
 Inlet 4.5 feet below original grade.  
 Bottom maximum depth 9 feet below original grade.  
 Effective area begins at 4.5 feet below original grade.  
4.5 feet of stone below distribution pipe.

*H Bed -  
yes  
ok*

- 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: PLACE THE DISTRIBUTION BOX 250 FT FROM THE FRONT (200')  
LOT LINE AND 45 FT FROM THE LEFT (611') LOT LINE AS SEEN  
WHEN FACING THE LOT FROM BUCKSKIN LAKE DRIVE RUN TRENCHES  
ON CONTOUR TOWARD THE RIGHT LOT LINE. 2-11-86 S. Abel

# APPLICATION

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: 992-2330

A 35546

P \_\_\_\_\_

DISTRICT 5

DATE MAY 6 1985

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 DALE Z. MAISEL <sup>OSKAR SCHOOL</sup> ~~C/O HOWARD COUNTY LAND SERVICES~~

ADDRESS 10176 BALTO NAT'L PIKE 21043 PHONE 465-4920

PROPERTY LOCATION: FOLLY QUARTER 4297 BUCKSKIN LAKE DR.

NEW LOT ~~23~~  
22

SUBDIVISION BUCKSKIN WOODS LOT NO. 22

ROAD AND DESCRIPTION FOLLY QUARTER RD 1/4 MILE WEST OF GLENELG  
COUNTRY SCHOOL

SIZE OF LOT 3 ACRES TYPE BLDG. 4  
(NUMBER OF BEDROOMS)

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.

DALE Z. MAISEL  
(SIGNATURE OF APPLICANT)

APPROVED BY Sickey Abel FOR Deep Trenches DATE 2-11-85

REJECTED BY \_\_\_\_\_ FOR \_\_\_\_\_ DATE \_\_\_\_\_

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

REASONS FOR REJECTION OR HOLDING 6-10-85 Perc. Satisfactory, Hold For. Certified Subdivision PERC STATE

BLDG. PERMIT SIGNED  
AND RETURNED 6/27/86 SA.  
#71371

# THIS IS NOT A PERMIT

SOIL PROFILE

①  
A1-3  
Yell. Br.  
Cl. Lm.  
10-20% SAP

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BR. micaceous  
Silt Sand  
10-20%  
SAP.

②  
A1-3  
Yell. BR  
Cl. Lm.  
10-20% SAP

---

Yell. Br.  
Sand Lm.  
10-20%  
SAP

③  
A1-3  
Yell. BR.  
Cl. Lm.  
10-20% SAP

---

Yell. Br.  
Sand Lm.  
10-20%  
SAP.

④  
A1-3  
Red Br.  
Cl Lm.  
10%  
SAP.

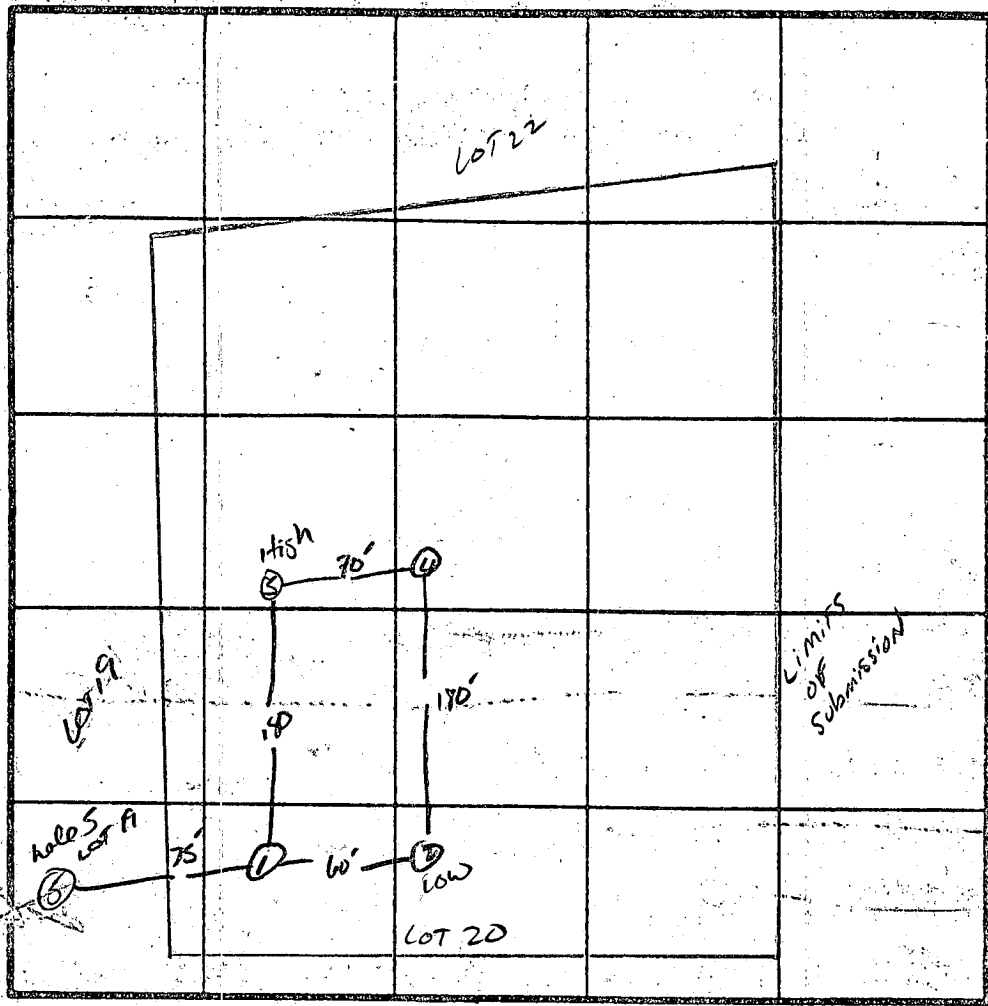
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Pink, BR,  
Sand Lm.  
10-20%  
SAP

⑤  
A1-3  
Red. BR.  
Cl. Lm.  
10%  
SAP

---

LEDBR.  
micaceous  
Silt Sand  
10-20%  
SAP



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.  
PROPOSED Rd.

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
4/14/65	1	4.5' 12"	2:32	2:39	2:39	2:55	16 min
	2	4.5' 14"	2:48	2:49	2:49	2:52	3 min
	3	12"					
	4	5.5' 12"	3:02	3:12	3:12	3:36	24 min
	5	4' 12"	3:17	3:20	3:20	3:24	4 min

2 Perc. 12  
TARGET 4.5  
BOTTOM MAX  
9  
180 #/BR

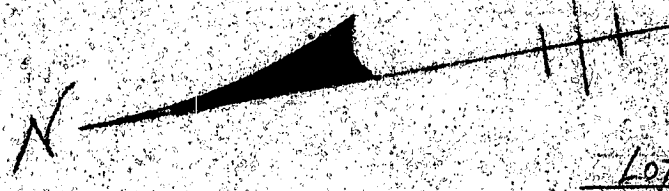
REMARKS \_\_\_\_\_

TYPE OF SOIL \_\_\_\_\_

TESTED BY SAW

ALSO PREP. BY O. KERRMAN

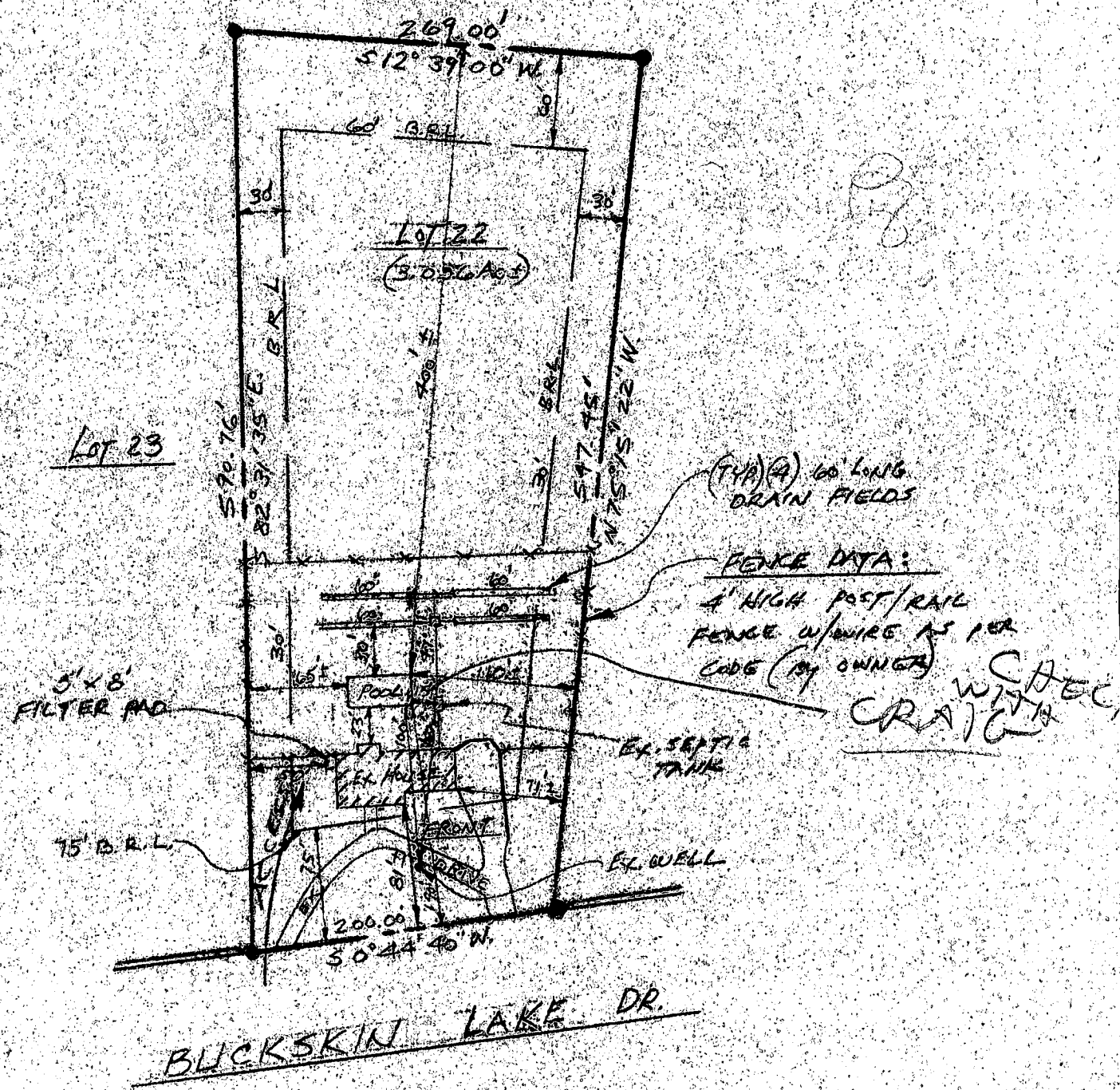
PRIVATE WELL & SEPTIC



NOTE:  
A VACUUM BREAKER WILL  
BE INSTALLED AS REQ'D.

Lot 25

Lot 23



SITE PLAN

SCALE: 1" = 100'

4297 BUCKSKIN LAKE DR.  
HOWARD COUNTY, MD. 21043

"BUCKSKIN WOODS"

LOT 22, SECTION 1, 5TH ELECTION DIST.,  
PLAT 669B

William E. Doyle

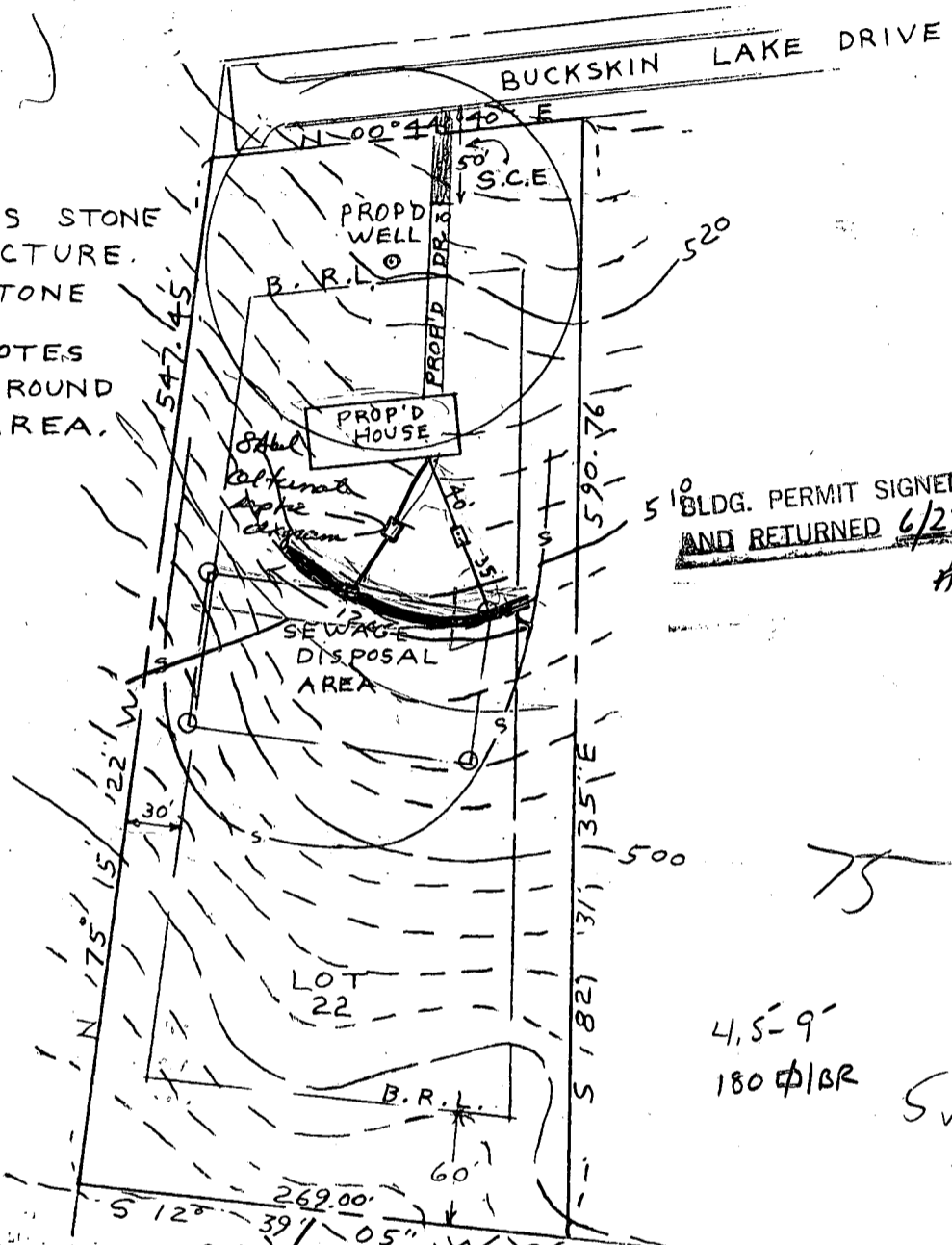
LAND SURVEYOR 8440

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



S.C.E. DENOTES STONE  
OUTLET STRUCTURE.  
6" DEEP NO.2 STONE

— S — DENOTES  
SILT FENCE AROUND  
CONSTRUCT AREA.



BLDG. PERMIT SIGNED  
AND RETURNED 6/27/88  
A7137

EXIST. GRN. AT DISTR. BOX	508.20	✓
INV. IN DISTR. BOX	505.20	✓
INV. OUT OF SEPTIC TANK	505.70	✓
INV. INTO SEPTIC TANK	506.10	✓
INV. OUT OF DWELLING	506.90	✓
FIRST FLOOR ELEV.	520.00	✓
CELLAR ELEV.	511.00	✓
WELL ELEV.	520.50	✓
NO. OF BEDROOMS	3	✓
ACREAGE	3.036 ACRES	

PLOT PLAN  
BUCKSKIN WOODS  
LOT 22, BUCKSKIN LAKE DRIVE  
SECTION 1, PLAT NO. 6698

ELECTION DISTRICT 5  
HOWARD COUNTY MD.

SCALE: 1" = 100'

DRAWN: JUNE 9, 1986



Handwritten calculations:  
45,000  
45,000  
430  
400

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

signed William E. Doyle

FILE NO. 369-3

B 1 0169

SEQUENCE NO. (OEP USE ONLY)

STATE OF MARYLAND PERMIT TO DRILL WELL

OEP PERMIT NUMBER

40-81-1552

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

please print or type

fill in this form completely

Date Received 6/20/86 11:30 AM
OWNER INFORMATION
Last Name: Oskow, Owner: Schultz, First Name: Tom
Street or RFD: 10 Blackhawk Lane
Town: Hagerstown, State: MD, Zip: 20635

LOCATION OF WELL
COUNTY: Howard
SUBDIVISION: Buckskin Lake
SECTION: 44, LOT: 72
NEAREST TOWN: 0
MILES FROM TOWN: 4.5 MI

DRILLER INFORMATION
Driller's Name: Wm W Reichert, License No: 064
Firm Name: Wm W Reichert Inc
Address: RD 2 Box 34 Hagerover PA 17231
Signature: Wm W Reichert, Date: 5/20/86

DIRECTION OF WELL FROM TOWN (CIRCLE BOX)
NEAR WHAT ROAD: Buckskin Ct
ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX): EAST
DISTANCE FROM ROAD: 75 FT
ENTER FT or MI: 64

WELL INFORMATION
APPROX. PUMPING RATE (GAL. PER MIN.): 5
AVERAGE DAILY QUANTITY NEEDED (GAL. PER DAY): 500

NOT TO BE FILLED IN BY DRILLER HEALTH DEPARTMENT APPROVAL
COUNTY NAME: Howard, COUNTY NO: A 35546
OEP SIGNATURE: [Signature], STATE HEALTH INSERT S: [ ]
DATE ISSUED: 06/13/86, CO SIGNATURE: [Signature], EXP. DATE: 12/13/86
NORTH GRID: 515000, EAST GRID: 0809000

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: [ ] NEAREST INCH

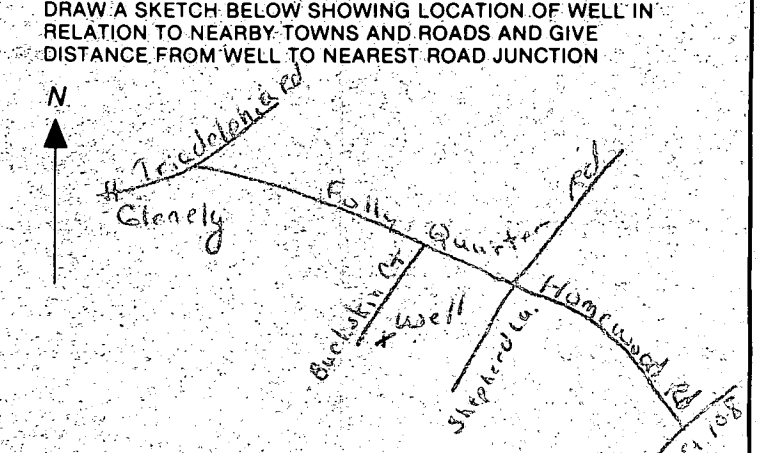
METHOD OF DRILLING (circle one)
BORED (or Augered) JETTED Jetted & DRIVEN
AIR-ROTARY AIR-PERCussion ROTARY (Hydraulic Rotary)
CABLE REVERSE-ROTARY DRIVE-POINT
other: [ ]

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 DEEPEM AN EXISTING WELL
PERMIT 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 INITIALS IN BOX: [ ] PERMIT No: 40-81-1552

SPECIAL CONDITIONS

SHOW MAJOR FEATURES OF BOX & LOCATE WELL WITH AN X
SOURCES OF DRILLING WATER: 1 Approved well
WRITE THE BOX NUMBER FROM THE MAP HERE: [ ]





C1 00579

SEQUENCE NO. (OEP 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)

FILL IN THIS FORM COMPLETELY PLEASE PRINT OR TYPE

COUNTY NUMBER A 35546

DATE RECEIVED

DATE WELL COMPLETED 62086

Depth of Well 475 (TO NEAREST FOOT)

PERMIT NO. FROM "PERMIT TO DRILL WELL" HO-81-1552

OWNER SCHULTZ I OSKAR last name first name STREET OR RFD BUCKSKIN CT. TOWN SUBDIVISION BUCKSKIN LAKE SECTION LOT 22

WELL LOG Not required for driven wells STATE THE KIND OF FORMATIONS PENETRATED, THEIR COLOR, DEPTH, THICKNESS AND IF WATER BEARING

Table with columns: DESCRIPTION (Use additional sheets if needed), FEET (FROM, TO), Check if water bearing. Rows include: rolling & cavity ground & gravel (0-154'), sandstone & gray shale (154'-468'), water (468'-470'), flint (468'-470'), gray shale (470'-475').

GROUTING RECORD WELL HAS BEEN GROUTED (Y/N) TYPE OF GROUTING MATERIAL CEMENT (CM) BENTONITE CLAY (BC) NO. OF BAGS 28 NO. OF POUNDS 2688 GALLONS OF WATER 196 DEPTH OF GROUT SEAL (to nearest foot) from 0 ft. to 78 ft.

CASING RECORD MAIN CASING TYPE (S, T, G) Nominal diameter (nearest inch) Total depth of main casing (nearest foot) OTHER CASING (if used) diameter inch depth (feet) from to

SCREEN RECORD screen type or open hole (S, BR, HO, PL, OT) DEPTH (nearest ft.) H O 159 475

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

PUMPING TEST HOURS PUMPED (nearest hour) 3 1/2 PUMPING RATE (gal. per min. to nearest gal.) 120 METHOD USED TO MEASURE PUMPING RATE water & bucket WATER LEVEL (distance from land surface) BEFORE PUMPING 83 WHEN PUMPING 102 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) Buckskin Cr. well 100'

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 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. 064 DRILLERS SIGNATURE (MUST MATCH SIGNATURE ON APPLICATION) SITE SUPERVISOR (sign. of driller or journeyman responsible for sitework if different from permittee)