

4/13/88 - 10-14
Call for trench inspection
4-14-88
1 pm

tap D1 05-399688

PERMIT

SEWAGE DISPOSAL SYSTEM

MARYLAND STATE DEPARTMENT OF HEALTH

HOWARD COUNTY
BUREAU OF ENVIRONMENTAL HEALTH
461-9933

INDEXED

P 40897

A 35556

DISTRICT 5th

DATE 4/20/88

DATE SYSTEM APPROVED 4-14-88

INSPECTOR JEN

Frall Septic Service, Inc. IS PERMITTED TO INSTALL X ALTER

ADDRESS P. O. Box 659, Mt. Airy, Maryland 21771 PHONE 795-5674

SUBDIVISION Buckskin Woods ROAD 4231 Buckskin Lake Dr LOT 32

PROPERTY OWNER Donald Manger

ADDRESS _____

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 4 115 ft trench

$$\begin{array}{r} 158 \\ 4 \\ \hline 632 \\ 5.5 \\ \hline 637 \\ 55 \\ \hline 692 \\ 82 \\ \hline 774 \\ 270 \\ \hline 1044 \end{array}$$

TRENCHES - 158 sq. ft. per bedroom. Trench to be 2 feet wide. Inlet 3.5 feet below original grade. Bottom maximum depth 9 feet below original grade. Effective area begins at 3.5 feet below original grade. 5.5 feet of stone below distribution pipe.

LOCATION - Place the distribution box or start the trench 250 feet from the front (422') lot line and 130 feet from the left (440') lot line as seen when facing the lot from Buckskin Lake Drive. Run trench(s) along contour toward the right front lot line. Maintain 100 feet from well with both septic tank and distribution Box.

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

PLANS APPROVED BY S. Abel DATE 2/13/86

COVER NO WORK UNTIL INSPECTED AND APPROVED.

BUILDING PERMIT SIGNED

NEITHER THE HOWARD COUNTY COUNCIL NOR THE HEALTH DEPARTMENT IS RESPONSIBLE FOR THE SUCCESSFUL OPERATION **AND RETURNED**

NOTE: CLEANOUT REQUIRED EVERY 70 FEET OF SEWER LINE AND/OR AT 90° SWEEPS IN LINES FROM HOUSE TO DRAIN FIELDS. 2901 800 151431 - FINISH

NOTE: ALL PARTS OF SEPTIC SYSTEMS (I.E., TANK, DISTRIBUTION BOX, TRENCHES) TO BE 100 FEET FROM WELL. (UNLESS OTHERWISE SPECIFICALLY AUTHORIZED) Basement

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.

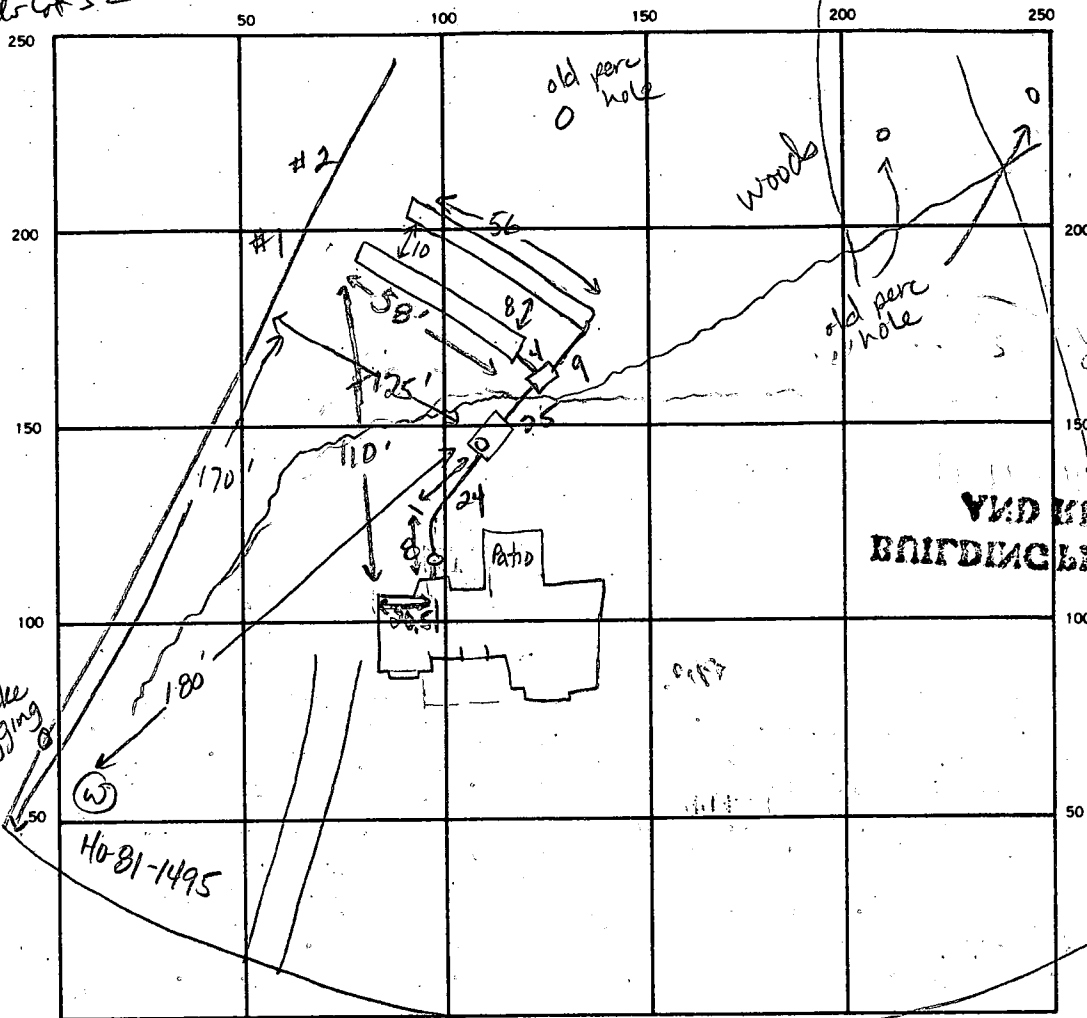
BUDG. PERMIT SIGNED
AND RETURNED 7/18/88
Serial # 19741 - Outland

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

*CALL 461-9933 FOR INSPECTION OF SEPTIC SYSTEMS.

A 35556

4231 Buckskin Lake
 Buckskin Woods Lot 32
 (A35556)



INDICATE NORTH — NAME ADJOINING ROADWAY AS BASE LINE

Buckskin Lake Drive

SEPTIC TANK LEVEL 1250 gal CLEANOUTS 1 on S. Tank

DISTRIBUTION BOX LEVEL ok w/ baffle

DRAIN FIELD TILE FIELD. DEPTH 9 9.5 FT. TRENCH WIDTH 2 FT. INLET DEPTH 3 3.5 FT.

EFFECTIVE GRAVEL DEPTH 6 6 FT. TOTAL LENGTH 58 56 FT.

NUMBER OF TRENCHES 2 ONE SIDEWALL/BOTTOM AREA 378 336 SQ. FT.

DRYWELL INSIDE DIAMETER _____ FT. EFFECTIVE DEPTH BELOW INLET _____ FT.

ABSORBENT AREA 684 SQ. FT.

REMARKS 4-13-88 Located perc holes in field. Placed trenches according to field locations. Drawing appears to be slightly off. JEN. 4-13-88 OK to add stone, pipe & paper to trench #1. Can cover center of trench #1 and up to distribution box JEN. 4-14-88 OK to cover trench #1, add stone, pipe & paper to trench #2 JEN 4-14-88 OK to cover all work JEN

DATE SYSTEM APPROVED 4-14-88 INSPECTOR Gene E. Maden

5-488
anytime

APPLICATION FOR PITLESS ADAPTER, WELL PUMP AND PRESSURE TANK INSTALLATION

Howard County Health Department
Bureau of Environmental Health
3525-H Ellicott Mills Drive
Court House Square
Ellicott City, Md. 21043
461-9933

New Installation
Replacement

Receipt # 40471
Date 11/12/87

Name of Installer R.A. WOOD PLBG. SERVICE

Telephone 391-4923

License number MD 7040
Certified Well Pump Installer

Well Driller Registered Plumber

Name of Property Owner _____ Telephone _____

Subdivision BUCKSKIN LAKE Lot # 32 Well tag # HO - 81 - 1495

Site Address 4231 BUCKSKIN LAKE DRIVE
ELLCOTT CITY MD 21043

Pump

1. Type
 - a. Deep well jet
 - b. Shallow well jet
 - c. Submersible

Motor

1. Horsepower 1/2
2. RPM 1750
3. Voltage _____
 - a. 110 _____
 - b. 220

Pitless Adapter

1. Make _____
2. Model # _____
3. Depth _____

2. Make GOULDS

3. Model # _____

4. Capacity 2 GPM

5. Pump exceeds well capacity Yes _____ No

6. If Yes, is low pressure cutoff switch installed? Yes _____ No _____

7. What methods are used to protect the pump and electrical wiring from vibrations? Torque arrestors yes Cable guards yes Other _____

Tank

1. Capacity 20 GAL
2. Pressure relief value? 7.5 PSI

Piping

1. Type POLY BUTYLENE
2. Size 1"
3. NSF and/or BOCA Code approved yes
4. Depth of supply line _____

Well data

1. Depth 400ft.
2. Yield 2 GPM
3. Static water level _____ ft.
4. Will water supply be disinfected by installer? yes

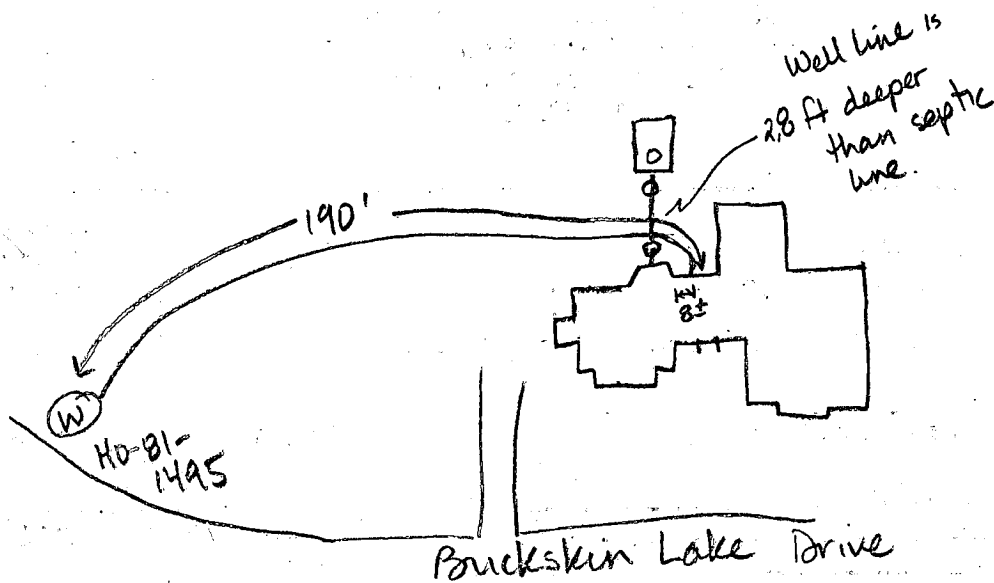
I understand that it is my responsibility to notify the Howard County Health Department when the installation is ready for inspection (otherwise this permit is null and void).

All information given above is true to the best of my knowledge.

Signature of Applicant: Royal Wood

Date: 11/12/87

Note: A sticker indicating approval/status of the installation will be placed on the well casing at the time of the inspection.



48
59

+15

5-488

Pitless adaptor at 46 inches. House connection cemented, water line in trench at 60± inches. No ground, plastic casing. Pump tank installed w/relief valve ahead of intake. JE Wadeau

79
21
316
158
189

Page _____ of _____
 Date 6/15/86

Review OK'D 8/18/86 (initials)

FIELD DATA SHEET
HOWARD COUNTY WELL YIELD TEST

Well Permit No. HO - 140 - 81 - 1495
 Location of property (road) Folley Quarter
 Subdivision BUCKSKAY Lot 22 Block _____ Plat _____ Sec. _____
 Well Driller Ralph Mayne Owner Donald Manger

Depth of well 400 FT
 Distance of measuring point (M.P.) above ground 2 FT
 Static water level (S.W.L.) below M.P. 40 FT

I. High rate pumping -- reservoir drawdown

Time pump started 7:45 Pumping rate 90 G.P.M.
 Total time 60 min. to reach pumping water level 250 FT 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 # gallon bucket	FLOW METER READING (if used)	CALCULATED FLOW (gallons per minute)
8:45	280 ft	30 sec		2 G.P.M.
9:00	250 ft	30 sec		2 G.P.M.
9:15	250 ft	30 sec		2 G.P.M.
9:30	250 ft	30 sec		2 G.P.M.
9:45	250 ft	30 sec		2 G.P.M.
10:00	250 ft	30 sec		2 G.P.M.
10:15	250 ft	30 sec		2 G.P.M.
10:30	250 ft	30 sec		2 G.P.M.
10:45	250 ft	30 sec		2 G.P.M.
11:00	250 ft	30 sec		2 G.P.M.
11:15	250 ft	30 sec		2 G.P.M.
11:30	250 ft	30 sec		2 G.P.M.
11:45	250 ft	30 sec		2 G.P.M.
12:00	250 ft	30 sec		2 G.P.M.
12:15	250 ft	30 sec		2 G.P.M.
12:30	250 ft	30 sec		2 G.P.M.
12:45	250 ft	30 sec		2 G.P.M.
1:00	250 ft	30 sec		2 G.P.M.
1:15	250 ft	30 sec		2 G.P.M.
1:30	250 ft	30 sec		2 G.P.M.
1:45	250 ft	30 sec		2 G.P.M.
2:00	250 ft	30 sec		2 G.P.M.
2:15	250 ft	30 sec		2 G.P.M.
2:30	250 ft	30 sec		2 G.P.M.
2:45	250 ft	30 sec		2 G.P.M.

3000 PZ 25 open 7 days

B 1 0573 SEQUENCE NO. (OEP USE ONLY)

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

STATE OF MARYLAND PERMIT TO DRILL WELL

please print or type

OEP PERMIT NUMBER

40-81-1495

fill in this form completely

OWNER INFORMATION

Date Received: 05/08/95

MAUGER DOUBLY
 15 Last Name 34 Owner First Name

517 FAENBERICK RD
 36 Street or RFD 55

CATONSVILLE MD 21228
 57 Town 70 State 72 Zip 76

B 3 LOCATION OF WELL

HAWAARD
 8 COUNTY 21

RUCKSKIN LAKE
 23 SUBDIVISION 42

SECTION 44-46 LOT 32
 48 50

GENERAL
 52 NEAREST TOWN 71

MILES FROM TOWN (enter 0 if in town) 1 MI
 73 76 77 78

DRILLER INFORMATION

Ralph Mayne
 77 License No. 80 293

Ralph Mayne (well driller)
 Firm Name

5170 Rowan Church Rd Mt Airy
 Address

Ralph Mayne 5/15/95
 Signature Date

B 4

1 2 DIRECTION OF WELL FROM TOWN (CIRCLE BOX)

11 Folley Quarter NEAR WHAT ROAD 30

CN WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX)

34 700 37 DISTANCE FROM ROAD

ENTER FT or MI 1 MI
 38 39

B 2 WELL INFORMATION

APPROX. PUMPING RATE (GAL. PER MIN.) 5
 8 12

AVERAGE DAILY QUANTITY NEEDED (GAL. PER DAY) 500
 14 20

USE FOR WATER (CIRCLE APPROPRIATE BOX)

HOME (SINGLE OR DOUBLE HOUSEHOLD UNIT ONLY)

F FARMING (LIVESTOCK WATERING & AGRICULTURAL IRRIGATION)

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

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

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

NOT TO BE FILLED IN BY DRILLER HEALTH DEPARTMENT APPROVAL

HAWAARD COUNTY NAME A-5556 COUNTY NO.

OEP SIGNATURE STATE HEALTH INSERT S 41

DATE ISSUED 052295

CO SIGNATURE EXP. DATE

NORTH GRID 51000 EAST GRID 0817000
 50 55 57 63

APPROXIMATE DEPTH OF WELL 150 FEET
 24 28

APPROXIMATE DIAMETER OF WELL 6" 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

SHOW MAJOR FEATURES OF BOX & LOCATE WELL WITH AN X

SOURCES OF DRILLING WATER

- well
-
-

WRITE THE BOX NUMBER FROM THE MAP HERE

8107
 5106

000 000

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)

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

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

APPROP. PERMIT NUMBER GAP

FORCE 25 WRITE INITIALS IN BOX PERMIT No. 40-81-1495

SPECIAL CONDITIONS

APPLICATION

SEWAGE DISPOSAL TESTING

STATE OF MARYLAND - DEPARTMENT OF HEALTH AND MENTAL HYGIENE

A 35556

P _____

HOWARD COUNTY HEALTH DEPARTMENT
ENVIRONMENTAL HEALTH SERVICES

P. O. BOX 476 ELLICOTT CITY, MARYLAND 21043
TELEPHONE: 992-2330

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.

DONALD MANGER

PROPERTY OWNER DALE Z. MAISEL c/o HOWARD COUNTY LAND SERVICES

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

PROPERTY LOCATION: FOLLY QUARTER

SUBDIVISION BUCKSKIN WOODS LOT NO. 38 ^{NEW LOT 32}

ROAD AND DESCRIPTION FOLLY QUARTER RD 1/4 MILE WEST OF GLENELG
COUNTRY SCHOOL 4231 BUCKSKIN LAKE DR.

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 Sidney Abel FOR Deep Trenches DATE 2-13-86

REJECTED BY _____ FOR _____ DATE _____

HOLD PENDING FURTHER TESTS _____ DATE _____

REASONS FOR REJECTION OR HOLDING 6-3-85 Perc. Satisfactory. Hold for rectified Subdivided perc. - SAAD

BLDG. PERMIT SIGNED
AND RETURNED 8/12/87

BP 13978
SAAD

THIS IS NOT A PERMIT

① ③
SOIL PROFILE

0
9" A1-3
BROWN CLAY
LOAM 10%
SAPROLITE

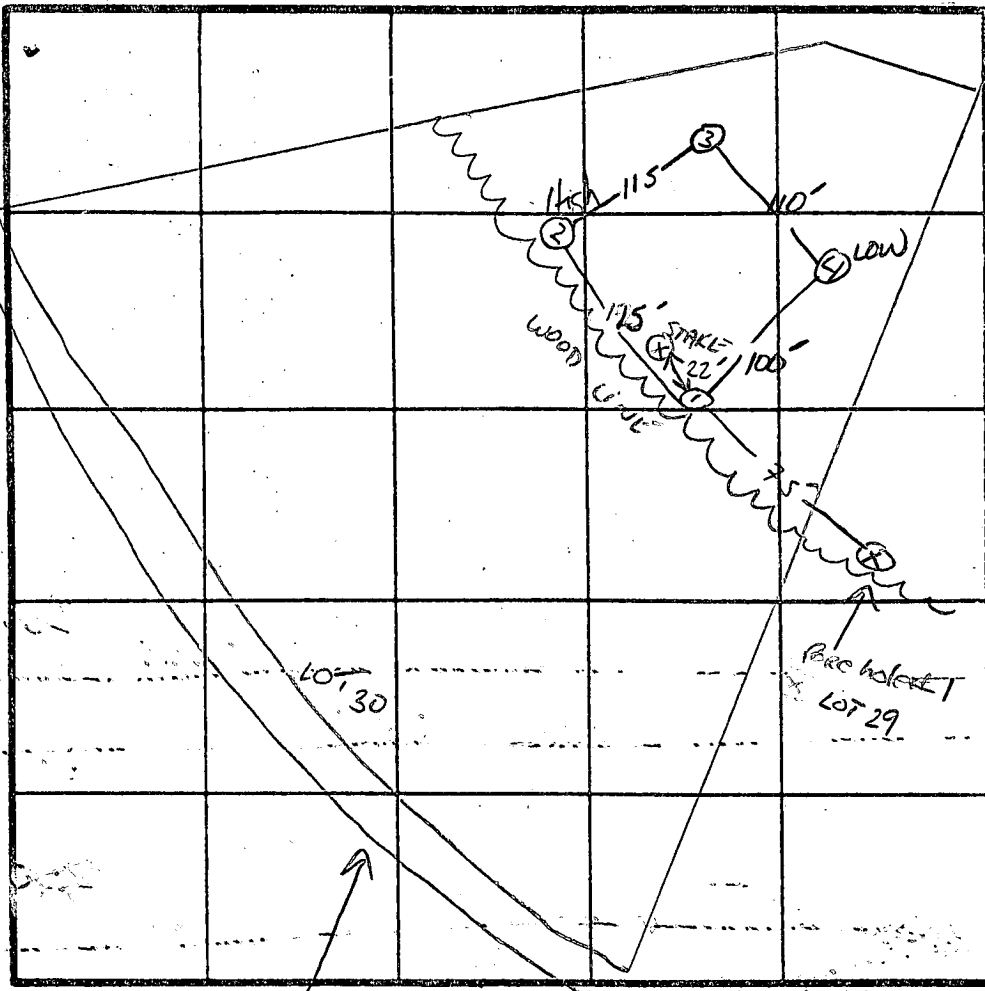
3.5
BROWN
micaceous
silty
SAND
10-20%
SAPROLITE

② ④

0
9" A1-3
REDBROWN
CLAY LOAM
10%
SAPROLITE

3.5
Yellow Red
micaceous
silty
SAND
20-30%
SAPROLITE

12.5



X Perc Time
7
INLET 3.5
BOTTOM MAX 9

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

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME	
			START	STOP	START	STOP		
6/3/85	1 ✓	3.5"	11:45	11:53	11:53	12:05	12min	
		13"	UNIFORM SOIL STRUCTURE Below 3.5"					
	2 ✓	3.5"	12:01	12:02:30	12:02:30	12:06	3.5min	
		17.5"	UNIFORM SOIL STRUCTURE Below 3.5"					
	3 ✓	4"	2:02	2:06	2:06	2:14	8min	
		12"	UNIFORM SOIL STRUCTURE Below 3.5"					
	4 ✓	4.5"	2:15	2:16:30	2:16:30	2:21	4.5min	
		14"	UNIFORM SOIL STRUCTURE Below 4"					

158 #/BR

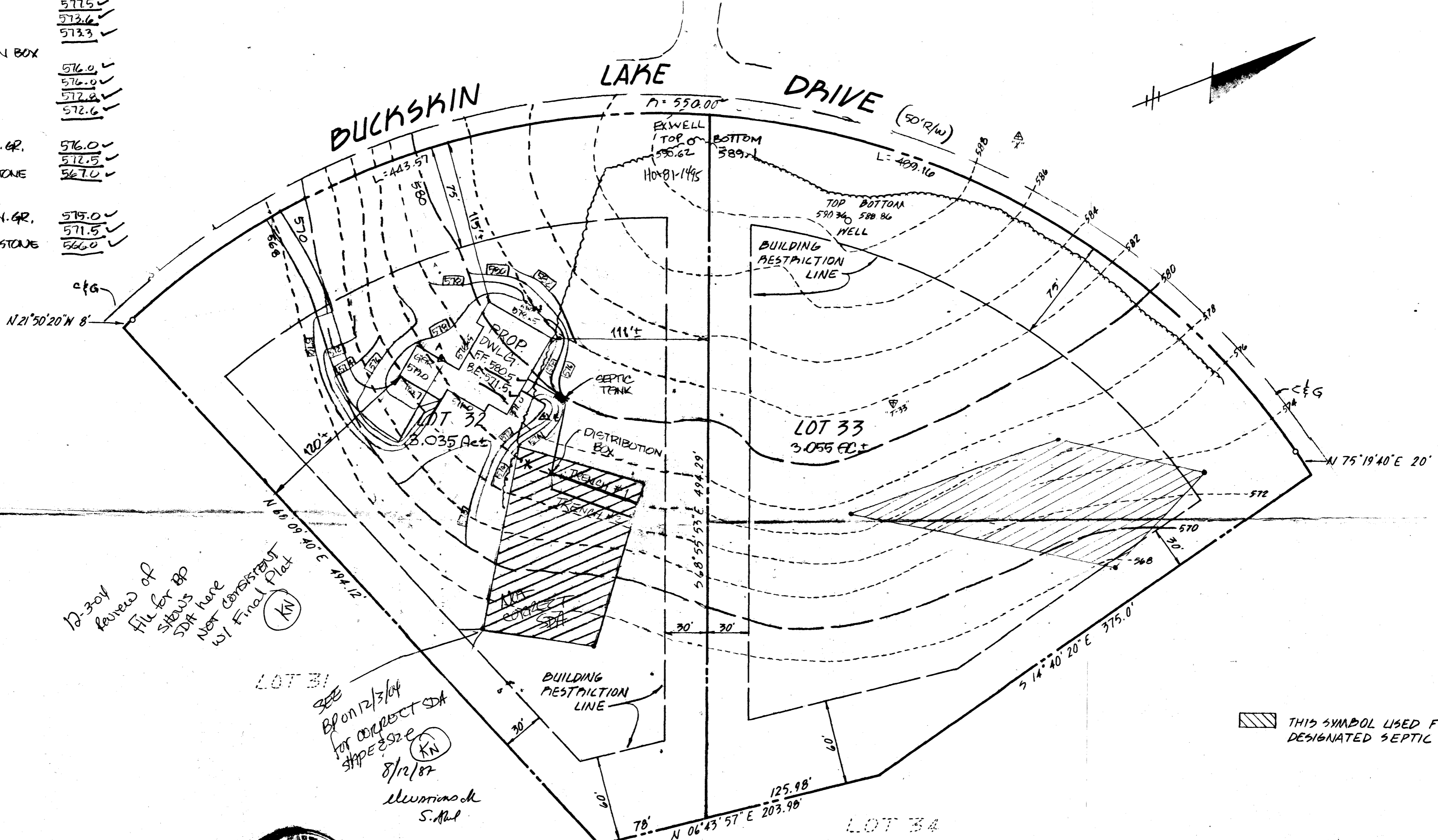
REMARKS Perc hole for PER PLAT approximately

TYPE OF SOIL SABU

TESTED BY G. KOTTERMAN

SEPTIC SYSTEM INFORMATION

INV. HOUSE:	573.9 (-BSMT)
SEPTIC TANK	
EX. GR.	579.8 ✓
FIN. GR.	577.5 ✓
INV. IN.	573.6 ✓
INV. OUT	573.3 ✓
DISTRIBUTION BOX	
EX. GR.	576.0 ✓
FIN. GR.	576.0 ✓
INV. IN.	572.8 ✓
INV. OUT	572.6 ✓
TRENCH #1	
EX. GR. & FIN. GR.	576.0 ✓
INV. IN.	572.5 ✓
BOTTOM OF STONE	567.0 ✓
TRENCH #2	
EX. GR. & FIN. GR.	575.0 ✓
INV. IN.	571.5 ✓
BOTTOM OF STONE	566.0 ✓



12-30-87
 reviewed of
 file for BP
 shows
 SDR here
 Not consistent
 w/ Final Plat
 (KN)

LOT 31
 see
 BP on 12/3/87
 for correct SDR
 shape & size
 8/12/87
 M. M. M.
 S.M.P.



Richard F. Lane 7/10/87

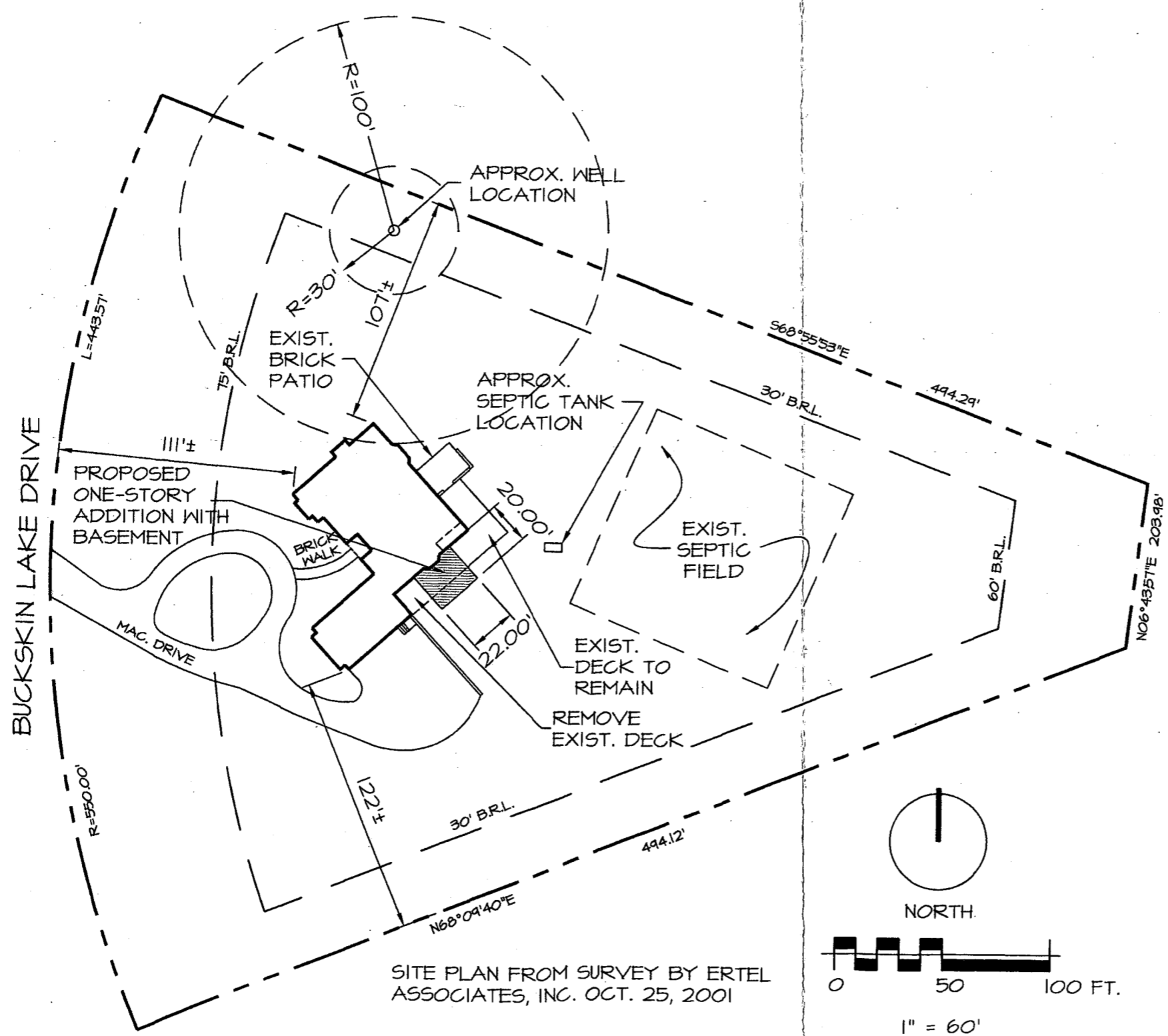
FILED
 AND RECEIVED
 8/12/87
 S.M.P.
 BP 13975

SHANABERGER & LANE
 8726 TOWN & COUNTRY BLVD.
 SUITE 203
 ELLICOTT CITY, MD. 21043
 PHONE: (301) 461-9563

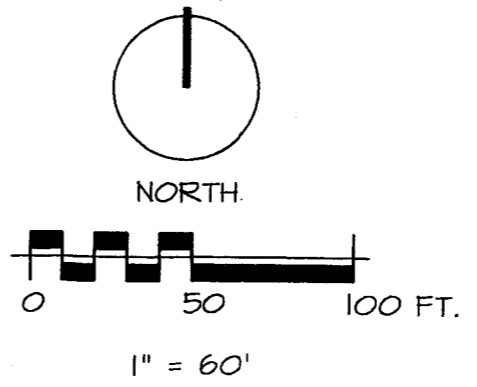
THIS SYMBOL USED FOR
 DESIGNATED SEPTIC EASEMENT

SITE PLAN
BUCKSKIN WOODS
 SECTION 1 LOTS 32 & 33
 FIFTH ELECTION DISTRICT
 HOWARD COUNTY, MD.
 PLAT NO. 6695
 SCALE: 1"=50'
 DATE: 7-1-87

Corrected plan
For addition



SITE PLAN FROM SURVEY BY ERTEL ASSOCIATES, INC. OCT. 25, 2001



A-1

SITE PLAN

Cadoux Residence Addition

4231 Buckskin Lake Drive
Ellicott City, Maryland 21042
Buckskin Woods, Section 1, Lot 32
Howard County, Maryland
Tax Map: 22, Grid: 22
Parcel 535
Zone: RR-DEO
3.035± Acres
SEPTEMBER 17, 2004
ARCHITECT: RONALD A. STUP
13780 BURNTWOODS ROAD
GLENELG, MARYLAND 21737
410-489-2928

APPROVED

WALK-THRU BUILDING PERMIT

BP# B00151431 A# 35556

APP. SAN KN DATE: 12/3/04

DESC. OF WORK: Adding great room on foundation

No well or septic location conflicts, however, owner needs to recheck & redraw well location, SAN. TO INSPECT well loc. AS WELL

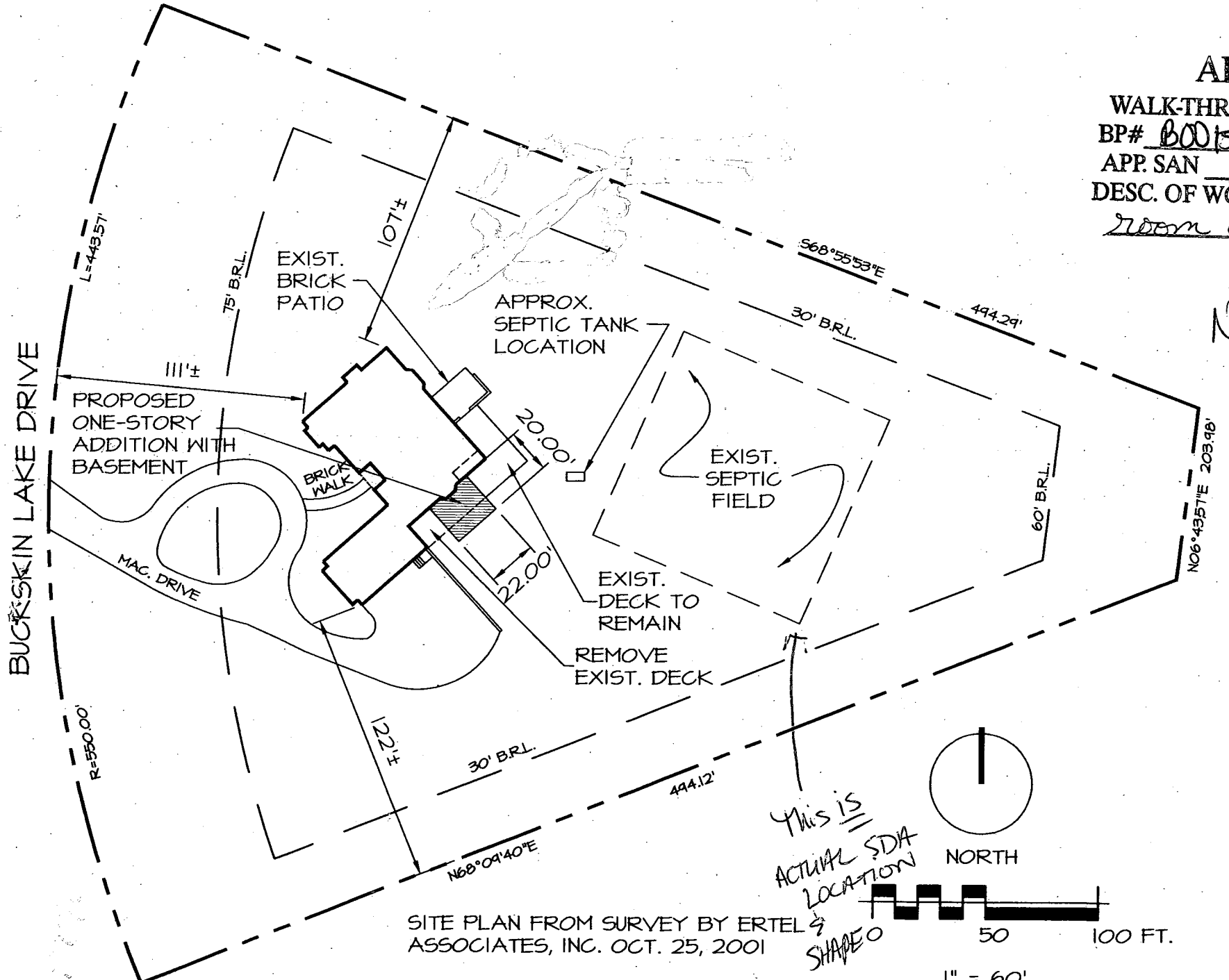
A-1 KN

SITE PLAN
Cadoux Residence
Addition

4231 Buckskin Lake Drive
Ellicott City, Maryland 21042
Buckskin Woods, Section 1, Lot 32
Howard County, Maryland
Tax Map: 22, Grid: 22
Parcel 535
Zone: RR-DEO
3.035± Acres
October 9, 2003

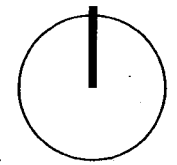
ARCHITECT: RONALD A. STUP
6110 TROTTER RIDGE COURT
COLUMBIA, MARYLAND 21044
410-531-0969

BUCKSKIN LAKE DRIVE



SITE PLAN FROM SURVEY BY ERTEL ASSOCIATES, INC. OCT. 25, 2001

This is ACTUAL SDA LOCATION PER F-86-86



NORTH



1" = 60'