

C1 6555

SEQUENCE NO. (MDE USE ONLY)

STATE OF MARYLAND WELL COMPLETION REPORT

THIS REPORT MUST BE SUBMITTED WITHIN 45 DAYS AFTER WELL IS COMPLETED.

COUNTY NUMBER A35537

1 2 3 6 (THIS NUMBER IS TO BE PUNCHED IN-COLS. 3-6 ON ALL CARDS)

ST/CO USE ONLY DATE Received MM DD YY 6 13

DATE WELL COMPLETED MM DD YY 6 10 05

Depth of Well 22 600 26 (TO NEAREST FOOT) PERMIT NO. FROM "PERMIT TO DRILL WELL" HD-95-0001

OWNER last name first name STREET OR RFD 4254 Buckskin Lake Dr TOWN Elkridge City SUBDIVISION Buckskin Woods SECTION 22/22/535 LOT 14

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. Includes handwritten entries: Brown mica (0-57), Gray mica (57-600).

GROUTING RECORD

WELL HAS BEEN GROUTED (Circle Appropriate Box) YES Y NO N TYPE OF GROUTING MATERIAL (Circle one) CEMENT CM BENTONITE CLAY BC NO. OF BAGS 20 NO. OF POUNDS 1880 GALLONS OF WATER 120 DEPTH OF GROUT SEAL (to nearest foot) from 0 ft. to 56 ft.

CASING RECORD

MAIN CASING TYPE ST Nominal diameter top (main) casing (nearest inch)! 06 Total depth of main casing (nearest foot) 63

OTHER CASING (if used) diameter inch depth (feet) from to

SCREEN RECORD

screen type or open hole insert appropriate code below ST BR HO PL OT

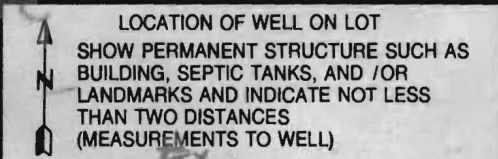
C 3

PUMPING TEST

HOURS PUMPED (nearest hour) 06/89 PUMPING RATE (gal. per min.) 1.5/1115 METHOD USED TO MEASURE PUMPING RATE 19 gal. WATER LEVEL (distance from land surface) BEFORE PUMPING 19/1720 ft. WHEN PUMPING 134/2225 ft. TYPE OF PUMP USED (for test) A air P piston T turbine C centrifugal R rotary O other J jet S submersible

PUMP INSTALLED

DRILLER INSTALLED PUMP YES NO IF DRILLER INSTALLS PUMP, THIS SECTION MUST BE COMPLETED FOR ALL WELLS. TYPE OF PUMP INSTALLED PLACE (A,C,J,P,R,S,T,O) IN BOX 29 CAPACITY: GALLONS PER MINUTE (to nearest gallon) 31 35 PUMP HORSE POWER 37 41 PUMP COLUMN LENGTH (nearest ft.) 43 47 CASING HEIGHT (circle appropriate box and enter casing height) + above - below LAND SURFACE 01 (nearest foot)



NUMBER OF UNSUCCESSFUL WELLS: 0

WELL HYDROFRACTURED YES Y NO N

CIRCLE APPROPRIATE LETTER 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 26.04.04 "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 LIC. NO. 1 M SD 009 1 DRILLERS SIGNATURE (MUST MATCH SIGNATURE ON APPLICATION)

LIC. NO. 1 D 1

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

DEPTH (nearest ft.) table with columns 1-21 and handwritten values: 63, 600.

GRAVEL PACK IF WELL DRILLED WAS FLOWING WELL INSERT F IN BOX 68

MDE USE ONLY (NOT TO BE FILLED IN BY DRILLER) T (E.R.O.S.) W Q 70 72 74 75 76 TELESCOPE CASING LOG INDICATOR OTHER DATA

B 1 8138

SEQUENCE NO. (MDE USE ONLY)

STATE OF MARYLAND APPLICATION FOR PERMIT TO DRILL WELL

STATE PERMIT NUMBER

HO - 95 - 0001

522445 please type

fill in this form completely

Date Received (APA)

OWNER INFORMATION

8 MM DD YY 13
Miller Carl
4254 Buckskin Lake DR
Ellicott City Md 21042

B 3 LOCATION OF WELL

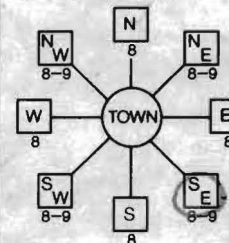
8 COUNTY Howard
23 SUBDIVISION Buckskin Woods
SECTION 44 46 LOT 14 48 50
6 Lenep
52 NEAREST TOWN
MILES FROM TOWN (enter 0 if in town) 4 M I 73 76 77 78

DRILLER INFORMATION

Allen Compton M S D 009
Fogle's Well Drilling
580 Obrecht RD
4-29-05

B 4

DIRECTION OF WELL FROM TOWN (CIRCLE BOX)



4254 Buckskin Lake DR
ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX)
DISTANCE FROM ROAD 150 FT
TAX MAP: 22 BLK: 22 PARCEL 535

B 2 WELL INFORMATION
APPROX. PUMPING RATE 5 (GAL. PER MIN.)
AVERAGE DAILY QUANTITY NEEDED 500 (GAL. PER DAY)

USE FOR WATER (CIRCLE APPROPRIATE BOX)

- D DOMESTIC POTABLE SUPPLY & RESIDENTIAL IRRIGATION
F FARMING (LIVESTOCK WATERING & AGRICULTURAL IRRIGATION)
I INDUSTRIAL, COMMERCIAL, DEWATERING
P PUBLIC WATER SUPPLY WELL
T TEST, OBSERVATION, MONITORING
G GEO-THERMAL

NOT TO BE FILLED IN BY DRILLER HEALTH DEPARTMENT APPROVAL

Howard A 35537
COUNTY NAME COUNTY NO.
STATE SIGNATURE INSERT S 41
DATE ISSUED 5/25/05
CO SIGNATURE EXP DATE 5/25/05
NORTH GRID 517 000 EAST GRID 810 000

APPROXIMATE DEPTH OF WELL 360 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)

- N THIS WELL WILL NOT REPLACE AN EXISTING WELL
Y THIS WELL WILL REPLACE A WELL THAT WILL BE ABANDONED AND SEALED
S THIS WELL WILL REPLACE A WELL THAT WILL BE USED AS A STANDBY-CONTACT LOCAL APPROVING AUTHORITY FOR POLICY ON STANDBY WELLS
D THIS WELL WILL DEEPEN AN EXISTING WELL

PERMIT NUMBER OF WELL TO BE REPLACED OR DEEPEMED (IF AVAILABLE) 41 52

Not to be filled in by driller (MDE OR COUNTY USE ONLY)

APPROX. PERMIT NUMBER G
PERMIT No. HO - 95 - 0001

SHOW MAJOR FEATURES OF BOX & LOCATE WELL WITH AN X

SOURCES OF DRILLING WATER

WRITE THE BOX NUMBER FROM THE MAP HERE

E 806 10
N 510 7



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

SPECIAL CONDITIONS

NOTE - APPROVING AUTHORITIES SHOULD USE SEPARATE SHEET IF NEEDED

FIELD DATA SHEET  
HOWARD COUNTY WELL YIELD TEST

Well Permit No. HO - 95-0001  
 Location of property (road) 4254 BUCKSKIN LAKE DRIVE  
 Subdivision BUCKSKIN WOODS Lot 14 Block 22 Plat 22 Sec. 535  
 Well Driller FOGLE'S WELL DRILLING Owner CARL MULLER

Depth of well 600'  
 Distance of measuring point (M.P.) above ground 1'  
 Static water level (S.W.L.) below M.P. 19'

I. High rate pumping -- reservoir drawdown

Time pump started 8:00 Pumping rate 8.5  
 Total time 15 min. to reach pumping water level 134' 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)
8:00	19	7		8.5
8:15	134	38		1.5
8:30	134	38		1.5
8:45	134	38		1.5
9:00	134	38		1.5
9:15	134	38		1.5
9:30	134	38		1.5
9:45	134	38		1.5
10:00	134	38		1.5
10:15	134	38		1.5
10:30	134	38		1.5
10:45	134	38		1.5
11:00	134	38		1.5
11:15	134	38		1.5
11:30	134	38		1.5
11:45	134	38		1.5
12:00	134	38		1.5
12:15	134	38		1.5
12:30	134	38		1.5
12:45	134	38		1.5
1:00	134	38		1.5
1:15	134	38		1.5
1:30	134	38		1.5
1:45	134	38		1.5
HD-2242:00	134	38		1.5
2:15	134	38		1.5



Howard County  
Health Department

3525 H Ellicott Mills Drive • Ellicott City, MD 21043  
(410) 313-2640 Fax (410) 313-2648  
TDD (410) 313-2323 Toll Free 1-866-313-6300  
website: www.hchealth.org

Penny E. Borenstein, M.D., M.P.H., Health Officer

## ATTENTION WELL DRILLERS!!!

When submitting a well application for a new or replacement well, please indicate one of the following:

- The well site has been staked by Home owner on 5-3-05 and is ready for site inspection.
- \_\_\_\_\_ will call the Health Department for a time to meet in the field to verify a well location.
- Site plan for new well is attached to well permit application.

Please attach this sheet when submitting your green application. This should help improve communication allowing a more timely service for our citizens.

KN

5/25/05 Site insp. by PA7/GZ.

Said stake in wrong location, moved to correct location (SC)

**HOWARD COUNTY HEALTH DEPARTMENT  
BUREAU OF ENVIRONMENTAL HEALTH  
WATER AND SEWERAGE PROGRAM  
TEL: (410)313-2640 FAX: (410)313-2648**

Information Form for the Installation of the Well Pump, Pitless Adapter, and Supply Piping

**NOTE: The installer is responsible for requesting an inspection prior to 9 am on the day of the desired inspection. No work is to be covered until approved by the Health Department. All installations must comply with the National Standard Plumbing Code (NSPC, as amended locally) and COMAR 26.04.04 (MD Well Construction Regulations). Submission of a complete form is required prior to Use and Occupancy approval.**

Company Name: Fogles Well Drilling Telephone #: 410-795-5670  
Address: 588 Obrecht Rd  
Sylesville, Md 21784

(Must circle one) Licensed Plumber  Licensed Well Driller  Licensed Well Pump Installer

License # and name of individual responsible for the field installation:  
Name (Print): Allen Compton License# MSD009

\*A licensed individual must perform the actual installation. Apprentices must be under the direct supervision of a licensed journeyman or master plumber, pump installer or well driller. Licenses may be subjected to field verification.

Name of Property Owner: Carl Muller Telephone #: 202-365-0084  
Subdivision: \_\_\_\_\_ Lot #: \_\_\_\_\_ Well Tag #: HO-95-0001  
Site Address: 4254 Buckskin Lake Dr  
Ellicott City, Md 21042

<u>Submersible Pump Data</u>	<u>Pitless Adapter</u>	<u>Well Cap and Electric Conduit</u>
Make: <u>Grundfos</u>	Make: <u>Campbell</u>	Two piece watertight cap: <u>yes</u>
Model #: <u>10EVO7422</u>	Model#: <u>N/A</u>	Screened, vented well cap: <u>yes</u>
Pump Capacity <u>10</u> GPM	Depth: <u>36</u> (36" min)	Cap secured to casing: <u>yes</u>
Well Yield: <u>5</u> GPM	NSF approved: <u>yes</u>	Conduit min 18" B.G.: <u>yes</u>
Depth of well encountered at time of pump installation: <u>600</u> (feet)		Conduit secured to well cap: <u>yes</u>

If pump capacity exceeds well yield, a low water cut off switch is required by NSPC 1990 Section 17.8.4  
Torque arrestors or Cable guards are required - Must circle one  
Safety rope, if used, attached to inside of well casing with eye bolt N/A

<u>Piping to house</u>	<u>House Connection</u>
Type: <u>1" Black Plastic</u>	PVC sleeved to undisturbed soil at wall penetration: <u>yes</u>
PSI: <u>160</u> (160 psi min)	Approximate length of sleeve: <u>5</u>
Depth of supply line: <u>42</u> (36" min)	Sleeve caulked and sealed properly: <u>yes</u>

The water supply line is required to be at least ten feet from the septic tank, pump chamber, sewage piping, distribution box, drainfields, and sewage reserve area. If this cannot be accomplished, contact this office for approval prior to installation.

Signature of company representative responsible for installation: Allen Compt date: 7-14-05

For Health Department Use Only - Not to be completed by Installer

Date Insp. Requested: 7/16/05 Date Insp. Approved: (KN) 7/13/05  
Inspection Data: Pitless adapter and water supply line at least 36" below grade  
Two piece cap installed and attached to casing securely  
Elec. conduit extends at least 18" below grade/attached to cap properly  
Safety rope installed inside of well casing  
Correct well tag attached properly and casing 8" above finished grade  
Water supply line sleeved adequately at house connection  
Adequate grout observed below pitless adapter

*OLD well abandoned & sealed ON 7/13/05*



MARYLAND DEPARTMENT OF THE ENVIRONMENT, WATER MANAGEMENT ADMINISTRATION  
2500 BROENING HIGHWAY, BALTIMORE, MARYLAND 21224, (410) 631-3784

\*\*\*\*\*  
WATER WELL ABANDONMENT-SEALING REPORT FORM  
\*\*\*\*\*

SUBMIT COPIES OF COMPLETED FORM TO:

- \* COUNTY ENVIRONMENT AGENCY (contact MDE, WMA if address needed)
- \* WELL OWNER
- \* MDE, WATER MANAGEMENT ADMINISTRATION, WELL PROGRAM

DATE WELL ABANDONED: 7-13-05 (month/day/year)

\* PERMIT NUMBER OF ABANDONED WELL (if any) \_\_\_\_\_

\* PERMIT NUMBER OF REPLACEMENT WELL \_\_\_\_\_

\* PERSON ABANDONING WELL: Allen Gimpleton

WELL DRILLERS LICENSE NUMBER: 009  
CIRCLE: MWD / MSD / MGD

\* OWNER'S NAME: Carl Muller

\* WELL LOCATION:  
COUNTY: Howard  
NEAREST TOWN: Ellicott City  
TAX MAP 22 BLOCK 22 PARCEL 535  
SUBDIVISION: \_\_\_\_\_

SECTION: \_\_\_\_\_ LOT: \_\_\_\_\_  
NEAREST ROAD: 4254 Buckskin Lake Dr

MARYLAND GRID COORDINATES  
E 810  
BOX NUMBER  
N 517

A	
000	
000	

SHOW WELL LOCATION BY X WITHIN BOX

\* TYPE OF WELL BEING ABANDONED:

- DRILLED                      \_\_\_\_\_ JETTED
- \_\_\_\_\_ BORED/AUGURED      \_\_\_\_\_ HAND DUG
- \_\_\_\_\_ OTHER (specify) \_\_\_\_\_

\* USE CODE:

- DOMESTIC                      \_\_\_\_\_ MUNICIPAL/PUBLIC
- \_\_\_\_\_ IRRIGATION              \_\_\_\_\_ INDUSTRIAL
- \_\_\_\_\_ TEST/OBSERVATION

\* TYPE OF CASING:

- STEEL                              \_\_\_\_\_ PLASTIC
- \_\_\_\_\_ CONCRETE                  \_\_\_\_\_ OTHER (specify) \_\_\_\_\_

\* SIZE OF CASING: 6 INCHES IN DIAMETER

\* DEPTH OF WELL: 285 FEET DEEP

\* WAS ANY CASING REMOVED? \_\_\_\_\_ YES  NO  
if yes, length removed, in feet: \_\_\_\_\_

LOG OF SEALING MATERIAL

MATERIAL	FEET	
	FROM	TO
<u>Cement</u>	<u>0</u>	<u>100</u>
<u>25 bags</u>		

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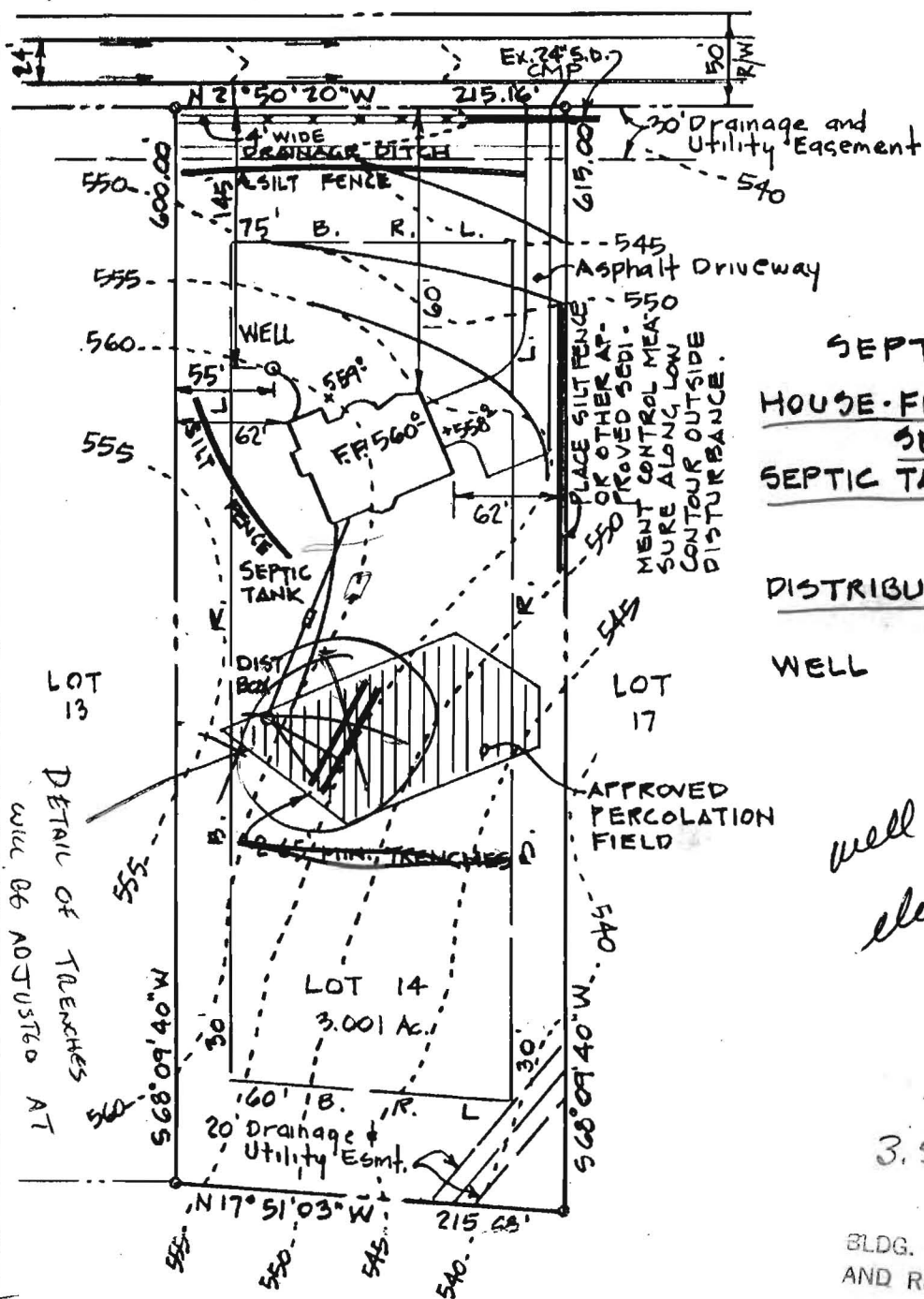
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Allen Compt 7-14-05  
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Adequate grout observed below pitless adapter \_\_\_\_\_

# BUCKSKIN LAKE DRIVE

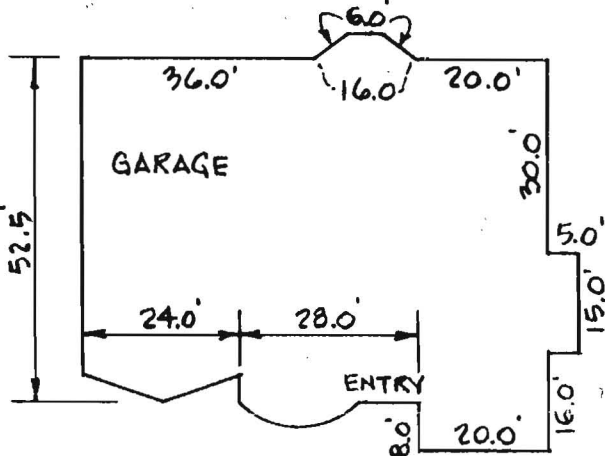


SEPTIC DATA	
HOUSE - FIN. FL. (SLAB)	560° ✓
SEWER INVERT	558° ✓
SEPTIC TANK - INV. IN	556° ✓
INV. OUT	556° ✓
FIN. GR.	559° ✓
DISTRIBUTION BOX - INV	555° ✓
FIN. GR.	559° ✓
WELL	EX. GR. 560° ✓
	FIN. GR. 560° ✓

*well yield confirmed  
elevations 11/26/84  
S. Almo*

158 7/BR  
3.5 - 8.5

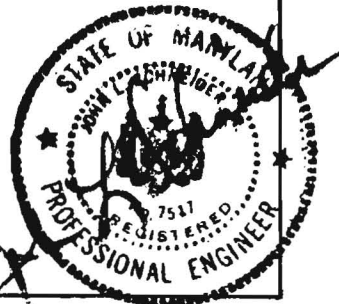
BLDG. PERMIT SIGNED  
AND RETURNED 11/26/84  
S. Almo  
BPA 9094



1"=30' SCALE FOR CLARITY

ENGINEER  
John L. Schneider, P.E.  
100 N. Rolling Road  
Catonsville, Md. 21228  
301-744-1945

GRADING STUDY	
LOT 14 "BUCKSKIN WOODS"	
5 <sup>th</sup> ELECTION DISTRICT HOWARD COUNTY, MD.	
SCALE 1"=100'	SEPT. 17, 1986



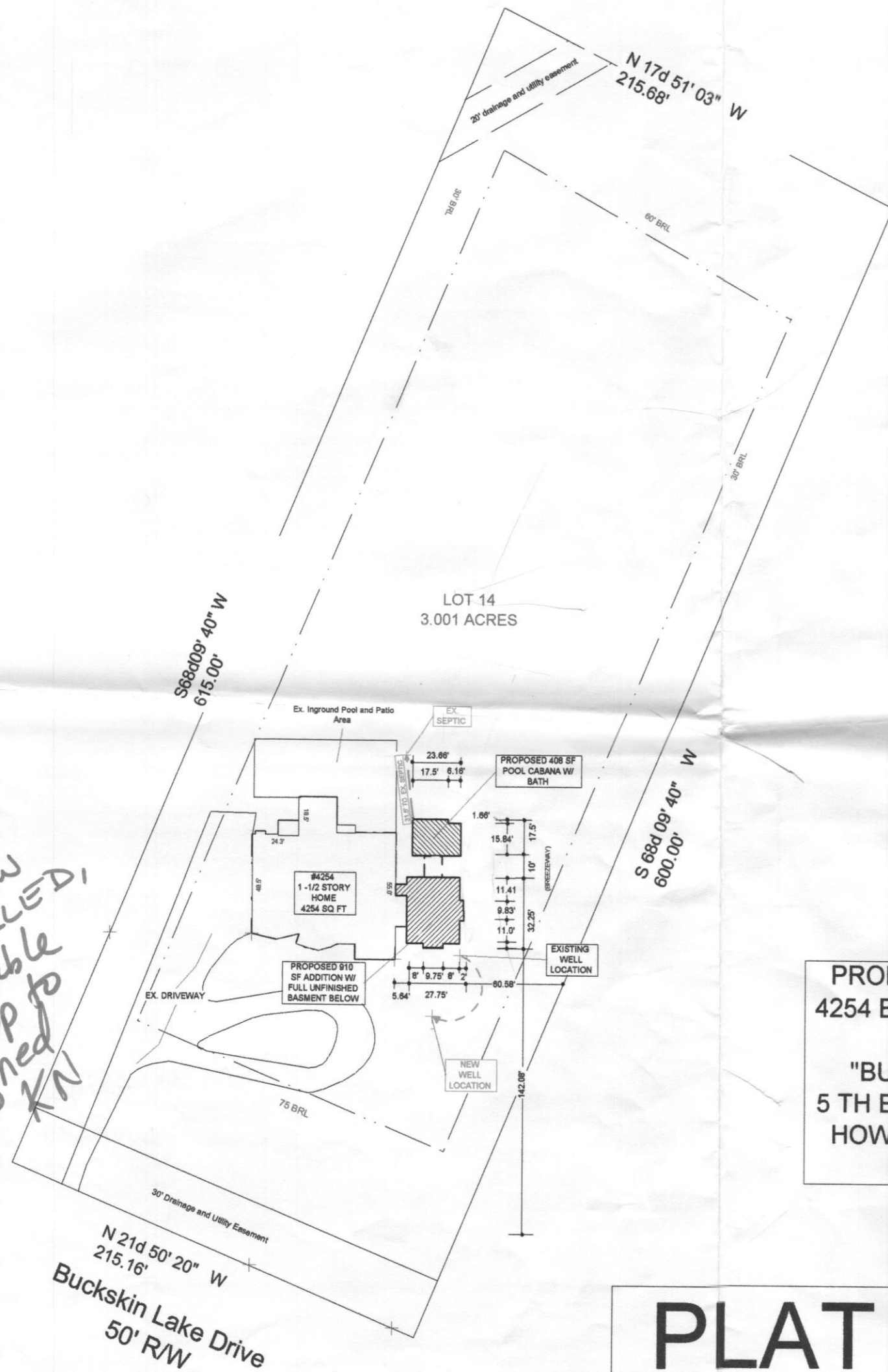
TIME OF SEPTIC PERMIT 3/16/87 CUD

DETAIL OF TRENCHES WILL BE ADJUSTED AT

58.7  
58.2  
57.95  
55.7  
55.6  
56.0  
55.5



6/20/05  
 ONCE NEW  
 WELL DRILLED,  
 acceptable  
 yield, bp  
 be signed to  
 KN



PROPERTY KNOWN AS  
 4254 BUCKSKIN LAKE DR.  
 LOT 14  
 "BUCKSKIN WOODS  
 5 TH ELECTION DISTRICT  
 HOWARD COUNTY, MD  
 PLAT BK 6696

**PLAT PLAN 1'=60'**

The Baywood Design/Build Group, Inc.  
 5550 Sterrett Place Suite 100  
 Columbia, MD 21044  
 410.995.6363 Fax 410.992.3211

4/26/05

REVISED  
 5/27/05

1/8"= 1'-0"

**MULLER  
 ADDITION**

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 THE BAYWOOD DESIGN/BUILD GROUP, INC.  
 ALL RIGHTS RESERVED  
 No use or intended use  
 without expressed written approval

8/4/05 Kacio/Donna  
 OK'd permit - owner to  
 8/3/05 - Grading - owner to  
 will probably occur for  
 construction of additions  
 send pics during construction

8/3/05  
 KN called, wife & then Mr's  
 cell # - need grading plan  
 & how septic line incorporated  
 into addition's floor.  
 CONCERN OF SEPTIC LINE @  
 Buckskin Lake Drive  
 LOCATION  
 KC



5/25/05  
 well site OK  
 @

PROPERTY KNOWN AS  
 4254 BUCKSKIN LAKE DR.  
 LOT 14  
 "BUCKSKIN WOODS  
 5 TH ELECTION DISTRICT  
 HOWARD COUNTY, MD  
 PLAT BK 6696

**PLAT PLAN 1"=60'**

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**MULLER  
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The Baywood Design/Build Group, Inc.  
 5550 Sterrett Place Suite 100  
 Columbia, MD 21044  
 410.995.6363 Fax 410.992.3211

4/26/05  
 REVISED  
 4/28/05

1/8" = 1'-0"