

8/5/88 ASAP NO SHOW
8-8-88 1:30 pm
8-10-88 NOON

2 #

PERMIT

SEWAGE DISPOSAL SYSTEM

MARYLAND STATE DEPARTMENT OF HEALTH

HOWARD COUNTY
BUREAU OF ENVIRONMENTAL HEALTH
461-9933

INDEXED

P 42144
A 38262
DISTRICT _____
DATE 7/18/88
DATE SYSTEM APPROVED 8/18/88
INSPECTOR Cwllin

C. C. Cissel IS PERMITTED TO INSTALL ALTER _____

ADDRESS 14079 Brighton Dam Road, Clarksville, Maryland PHONE 854-2006

SUBDIVISION Buckskin West ROAD 4218 4215 Buckskin Woods LOT Parcel 7

PROPERTY OWNER Terry Irrgang Vintage Homes Ltd. Plumbing stub not outside

ADDRESS T&R Plumbing Columbia of house

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

GARBAGE GRINDER? YES _____ NO

4180
3900
300 ft trench

SEPTIC TANK CAPACITY 1500 GALLONS NUMBER OF BEDROOMS (5)

TRENCHES - 180 sq. ft. per bedroom. Trench to be 3 feet wide. Inlet 4 feet below original grade. Bottom maximum depth 6 feet below original grade. Effective area begins at 4 feet below original grade. 2 feet of stone below distribution pipe.

LOCATION - Place the first trench 175 feet down the rear (796.19') lot line from the rear right corner and 100 feet off the same lot line as seen when facing the lot from Driveway easement. Run trenches on contour toward the rear line.

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

PLANS APPROVED BY Sid Abel DATE 7/23/88

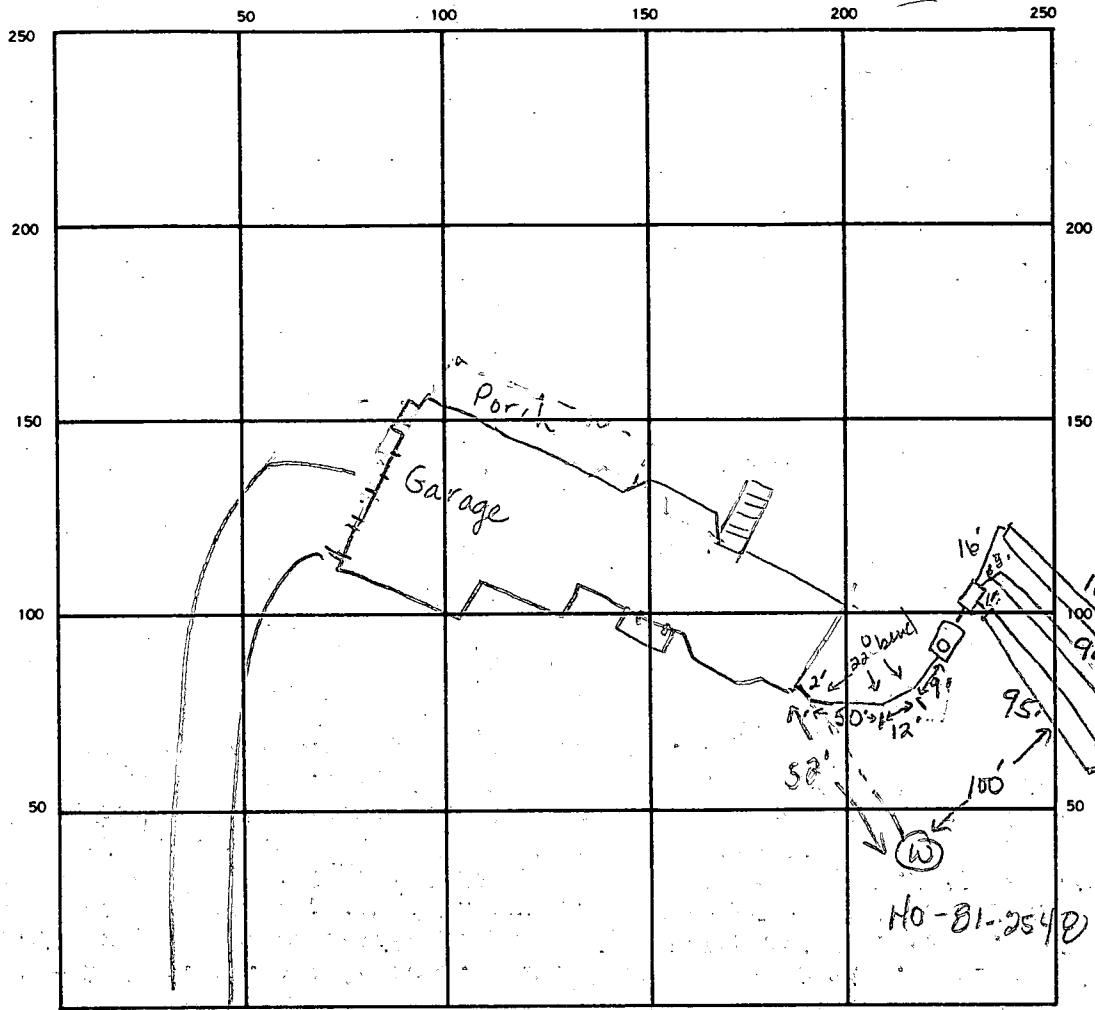
- COVER NO WORK UNTIL INSPECTED AND APPROVED.
- NEITHER THE HOWARD COUNTY COUNCIL NOR THE HEALTH DEPARTMENT IS RESPONSIBLE FOR THE SUCCESSFUL OPERATION OF ANY SYSTEM.
- NOTE: CLEANOUT REQUIRED EVERY 70 FEET OF SEWER LINE AND/OR AT 90° SWEEPS IN LINES FROM HOUSE TO DRAIN FIELDS.
- NOTE: ALL PARTS OF SEPTIC 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.

BOG. PERMIT SIGNED AND RETURNED 10/31/88
Sid # 2205
BOG. PERMIT SIGNED AND RETURNED 7/18/88
Sid # 19993
propone
Cart

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

*CALL 461-9933 FOR INSPECTION OF SEPTIC SYSTEMS.

A 38262



INDICATE NORTH. — NAME ADJOINING ROADWAY AS-BASE LINE.
 Buckskin Woods Dr.

SEPTIC TANK. LEVEL 1500 gal CLEANOUTS 1 on septic tank
 DISTRIBUTION BOX. LEVEL OK w/ baffle
 DRAIN FIELD TILE FIELD. DEPTH 6 6 6 FT. TRENCH WIDTH 3 FT. INLET DEPTH 35 35 40 FT.
 EFFECTIVE GRAVEL DEPTH 2.5 2.5 2.5 FT. TOTAL LENGTH 100' 98' 95' FT.
 NUMBER OF TRENCHES 3 ONE SIDEWALL/BOTTOM AREA 324/294/285 SQ. FT.
 DRYWELL INSIDE DIAMETER _____ FT. EFFECTIVE DEPTH BELOW INLET _____ FT.
 ABSORBENT AREA 903 SQ. FT.

REMARKS 8-5-88 No one on site. No work started. JEN
8-10-88 OK to cover trenches and septic tank. Plumber did not stub out of house and left coupling inside cinder block foundation. Cissel connected to it but must have supervisor's approval before job has been finalized. JEN

DATE SYSTEM APPROVED 8/18/88 INSPECTOR Cwell

APPLICATION

PERCOLATION TESTING

A 38262
P _____

HOWARD COUNTY HEALTH DEPARTMENT
BUREAU OF ENVIRONMENTAL HEALTH
P.O. BOX 476 ELLICOTT CITY, MARYLAND 21043
TELEPHONE: 461-9933

DISTRICT _____
DATE 12/16/86

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 ~~William G. Floyd + Joel Abramson~~ VINTAGE HOMES LTD.

ADDRESS 5413 Wild Turkey Lane PHONE 730-3251

PROSPECTIVE BUYER _____

ADDRESS _____ PHONE _____

PROPERTY LOCATION:

SUBDIVISION Buckskin West LOT NO. X New Parc. 7

ROAD AND DESCRIPTION Route 32 4215 ~~BUCKSKIN~~ WOOD DR.

TAX MAP 22 PARCEL # 283

SIZE OF LOT 3.29 acres TYPE BLDG. SFD
(SINGLE FAMILY DWELLING OR COMMERCIAL)

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.

Mark D. Kent
(SIGNATURE OF APPLICANT)

APPROVED BY _____ FOR _____ DATE _____

REJECTED BY _____ FOR _____ DATE _____

HOLD PENDING FURTHER TESTS _____ DATE _____

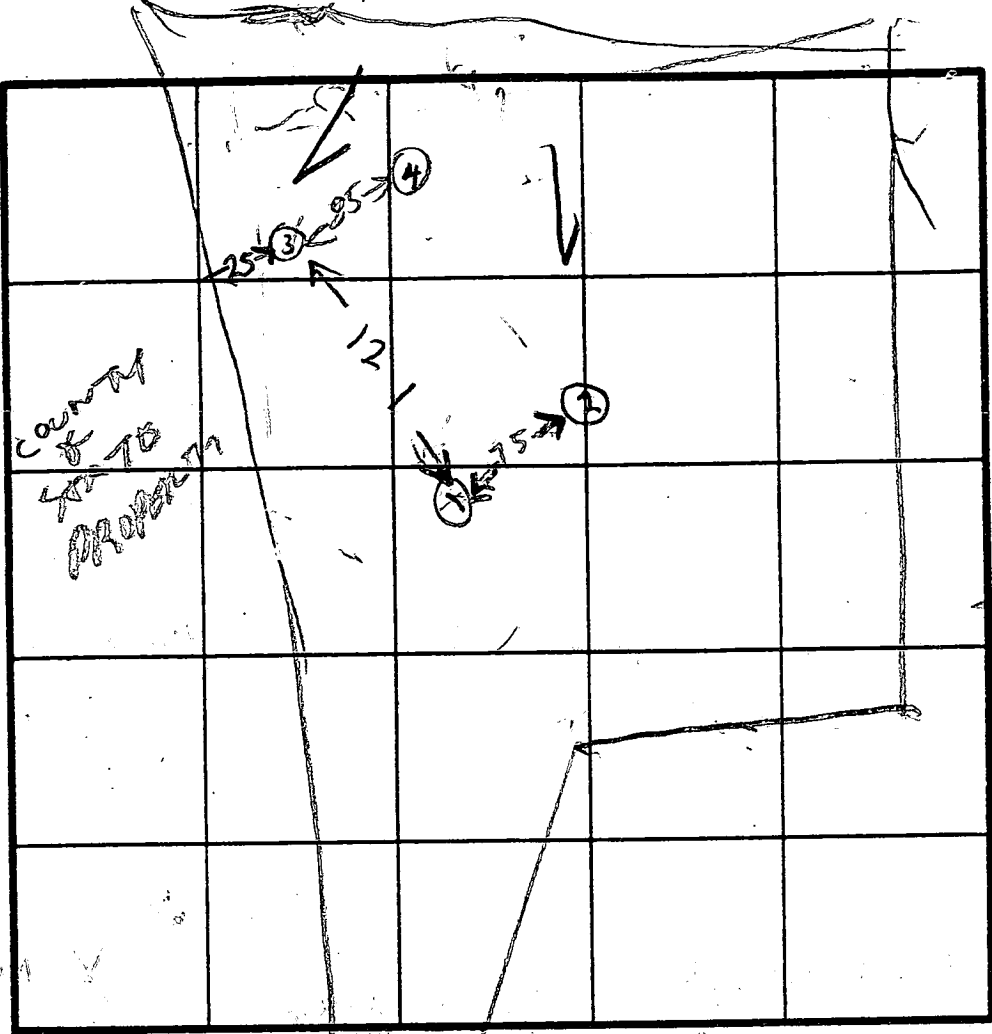
REASONS FOR REJECTION OR HOLDING 3/3/87 PERC OK BH

BLDG. PERMIT SIGNED
AND RETURNED 3-23-88

017350 SK

THIS IS NOT A PERMIT

15 8



HOLE ELEVATION

- ④ HIGHEST
- ③ = LOWEST
- ① NEXT LOWEST
- ② NEXT LOWEST

SOIL PROFILE ①

5 - BROWN CLAY

WHITE & BROWN SAND WITH

②

ORANGE BROWN CLAY LOAM

GRAY BROWN SAND LOAM

③

BROWN ORANGE CLAY

LIGHT BROWN SAND LOAM

④

BROWN CLAY

BROWN SAND LOAM

INDICATE NORTH. NAME ADJOINING ROADWAY AS BASE LINE.

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
3/3/87	1 S	6	217	222	222	235	13
	1 V	13	OK				
	2 S	6	225	230	230	234	8
	2 V	12	OK				
	3 S	5	246	318	SLOW 1 STANCH 30MM		
	3 V	12	OK				
	4 D	8	248	249	249	251	3
	4 S	5	249	253	253	301	8
	4 V	12	OK				
	3 M	6	301	309	309	325	16
					16		

14

15 0

60

12

17

12

8

313

REMARKS: Holes dug per summary Plot K 195 1

TYPE OF SOIL: Distances between ② & ④ not measured

TESTED BY: R. HODGES

ALSO PRESENT: OKETERMAN, DPVE

Lot 8 BUCKSKIAI
WEST

PERC TEST PLAN
PROPERTY OF
G. WILLIAM FLOYD ETAL
TAX MAP 22
PARCELS 283 & 529
LOTS 7, 8, & 9
SCALE 1"=200'

3045001-
612 653

ChB2
643

646

643

625

C9C2

ChA

ChB2

LOT 2

LOT 1

ROAD EASEMENT

LOT 11

LOT 12

LOT 7
3.74AC

C9C2

ChC2

C9B2

on

LOT 9
4.43AC

ERD2
50

600

LOT 8
3.29AC

C9C2

ChB2

LOT 15

C9C2

C9B2

600

C9C2

32

ChA
589

COUNTY & STATE
GARAGES

C9B2

MID3

C9B2

ChB2

ChB2

574

575

588

575

575

575

B 7 1902 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

MD-81-2549
fill in this form completely

Date Received

012188

OWNER INFORMATION

Abrahamson Joe

5560 Sterrett PI Suite 300

Columbia MD 21040

DRILLER INFORMATION

Robert W. Reichart 353

Wm. W. Reichart, Inc

1775 B.H. Moore Pk. Hanover PA 17337

Robert W. Reichart 1/11/88

B 3

LOCATION OF WELL

Howard

Buckskin West

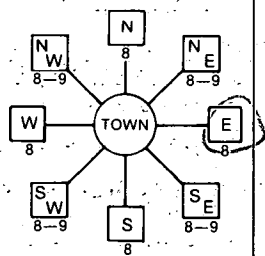
SECTION 44 46 LOT 7 48 50

Clenary

MILES FROM TOWN (enter 0 if in town) 1.5 MI

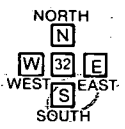
B 4

DIRECTION OF WELL FROM TOWN (CIRCLE BOX)



Buckskin Wood Dr

ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX)



1350
DISTANCE FROM ROAD
ENTER FT or MI 17

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)

NOT TO BE FILLED IN BY DRILLER HEALTH DEPARTMENT APPROVAL

HOWARD

A 38262

COUNTY NAME: HOWARD COUNTY NO.:
OEP SIGNATURE: B Nijon DATE ISSUED: 02/11/88
NORTH GRID: 516000 EAST GRID: 0807000

APPROXIMATE DEPTH OF WELL 250 FEET

APPROXIMATE DIAMETER OF WELL 6 INCH

METHOD OF DRILLING (circle one)

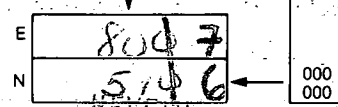
- BORED (or Augered) JETTED Jetted & DRIVEN
- AIR-ROTary AIR-PERCussion ROTARY (Hydraulic Rotary)
- CABLE REVERSE-ROTary DRIVE-POINT

SHOW MAJOR FEATURES OF BOX & LOCATE WELL WITH AN X

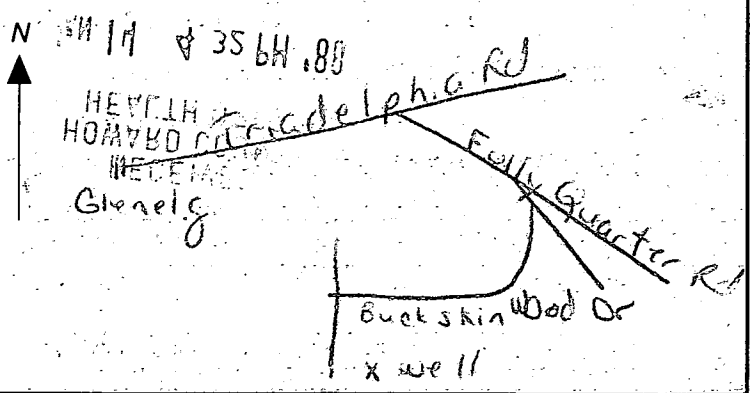
SOURCES OF DRILLING WATER

- 1. Approved well
- 2.
- 3.

WRITE THE BOX NUMBER FROM THE MAP HERE



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



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

APPROP. PERMIT NUMBER GAP

FORCE INITIALS PERMIT NO. MD-81-2549

SPECIAL CONDITIONS

RECEIVED
HOWARD COUNTY
HEALTH DEPT.
ELlicOTT CITY, MD.

JAN 14 1 23 PM '87

RECEIVED
HOWARD COUNTY
HEALTH DEPT.

JAN 14 4 32 PM '88

DIVISION OF
ENVIRONMENTAL
HEALTH

- ① 50 casing
- ② 38 FT open hole measured with a string
- ③ Location OK
- ④ 21 BAGS
- ⑤ WELL OK

2/25/88 2:50 PM
B. J. Hodges

C1 2182 (THIS NUMBER IS TO BE PUNCHED IN COLS. 3-6 ON ALL CARDS)

STATE OF MARYLAND WELL COMPLETION REPORT
 FILL IN THIS FORM COMPLETELY
 PLEASE PRINT OR TYPE

THIS REPORT MUST BE SUBMITTED WITHIN 45 DAYS AFTER WELL IS COMPLETED:
 COUNTY NUMBER **A 38262**

DATE Received [] [] [] [] [] [] DATE WELL COMPLETED **202588** Depth of Well **300** (TO NEAREST FOOT) PERMIT NO. **HO-81-2548**

OWNER **ABRAMSON** **JOEL**
 STREET OR RFD **BUCKSKIN WOOD DR** TOWN **GLENELG**
 SUBDIVISION **BUCKSKIN WEST** SECTION [] LOT **7**

WELL LOG
 Not required for driven wells

STATE THE KIND OF FORMATIONS PENETRATED, THEIR COLOR, DEPTH, THICKNESS AND IF WATER BEARING

DESCRIPTION (Use additional sheets if needed)	FEET		Check if water bearing
	FROM	TO	
rolling ground gravel	0	45'	
schist	45'	57'	
water			-
schist	57'	93'	
water			-
schist	93'	300'	

GROUTING RECORD
 WELL HAS BEEN GROUTED (Circle Appropriate Box) **Y** **N**
 TYPE OF GROUTING MATERIAL
 CEMENT **CM** BENTONITE CLAY **BC**
 NO. OF BAGS **21** NO. OF POUNDS **2016**
 GALLONS OF WATER **124**
 DEPTH OF GROUT SEAL (to nearest foot):
 from **0** ft. to **38** ft.
 (enter 0 if from surface)

CASING RECORD
 casing types insert appropriate code below
ST **CO**
 STEEL CONCRETE
PL **OT**
 PLASTIC OTHER
 MAIN CASING TYPE **ST** **6** **49**
 Nominal diameter top (main) casing (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 insert appropriate code below
ST **BR** **HO**
 STEEL BRASS OPEN HOLE
PL **OT**
 PLASTIC OTHER

C2
 DEPTH (nearest ft.)
 1 **HO** **49** **300**
 8 9 11 15 17 21
 23 24 26 30 32 36
 38 39 41 45 47 51
 SLOT SIZE 1 2 3
 DIAMETER OF SCREEN [] (NEAREST INCH)

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. **353**

DRILLERS SIGNATURE (MUST MATCH SIGNATURE ON APPLICATION)

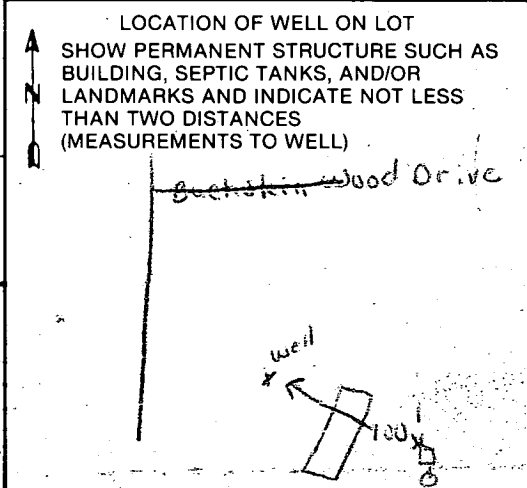
SITE SUPERVISOR (sign. of driller or journeyman responsible for sitework if different from permittee)

GRAVEL PACK [] from [] to []
 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
 70 [] 72 [] 74 [] 75 [] 76 []
 TELESCOPE CASING LOG INDICATOR OTHER DATA

C3
PUMPING TEST
 HOURS PUMPED (nearest hour) **7**
 PUMPING RATE (gal. per min. to nearest gal.) **4**
 METHOD USED TO MEASURE PUMPING RATE **watch & bucket**
 WATER LEVEL (distance from land surface) BEFORE PUMPING **40**
 WHEN PUMPING **250**
 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)
+ above } LAND SURFACE (nearest foot)
- below }



FIELD DATA SHEET
HOWARD COUNTY WELL YIELD TEST

Well Permit No. HO - 87-2548
 Location of property (road) BUCKSKIN WOODS DR.
 Subdivision BUCKSKIN WEST Lot 7 Block Plat Sec.
 Well Driller WILLIAM REICHAUT Owner ABRAMSON, JOEL

Depth of well 300'
 Distance of measuring point (M.P.) above ground surface - 0
 Static water level (S.W.L.) below M.P. 40'

I. High rate pumping -- reservoir drawdown

Time pump started 8:45 Pumping rate 9 gpm
 Total time 2 3/4 hrs to reach pumping water level 250' 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)
8:45	40'	33.3 sec		9
9:00	70'	33.3 sec		9
9:15	85'	33.3 sec		9
9:30	110'	33.3 sec		9
9:45	125'	33.3 sec		9
10:00	150'	37.5 sec		8
10:15	175'	42.8 sec		7
10:30	200'	42.8 sec		7
10:45	220'	50 sec		6
11:00	230'	50 sec		6
11:15	245'	60 sec		5
11:30	250'	60 sec		5
11:45		75 sec		4
12:00				
12:15				
12:30				
12:45				
1:00				
1:15				
1:30				
1:45				
2:00				
2:15				
2:30				
2:45				
3:00				
3:15				
3:30	250'	75 sec		4

HOWARD COUNTY HEALTH DEPARTMENT
Bureau of Environmental Health
3525-H Ellicott Mills Drive
Ellicott City, MD 21043
461-9933

APPLICATION FOR PITLESS ADAPTER, WELL PUMP AND PRESSURE TANK INSTALLATION

New Installation Replacement
Receipt # 42120
Date 7-7-88
Name of Installer T&R Plumbing & Heating Telephone 725-2392
License Number 7079
Certified Well Pump Installer Well Driller Registered Plumber
Name of Property Owner Vintage Homes leads Telephone 531-3047
Subdivision Buckskin Lake Lot # 7 West Well Tag # HO-81-2548
Site Address 4215 Buckskin Wood Dr.

Pump
1. Type
a. Deep well jet
b. Shallow well jet
c. Submersible
2. Make Staruzzi
3. Model # _____
4. Capacity 15 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 Cable guards Other _____

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

Pitless Adapter
1. Make Narvard
2. Model # _____
3. Depth 4'

Tank
1. Capacity _____
2. Pressure relief valve? yes

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

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

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).

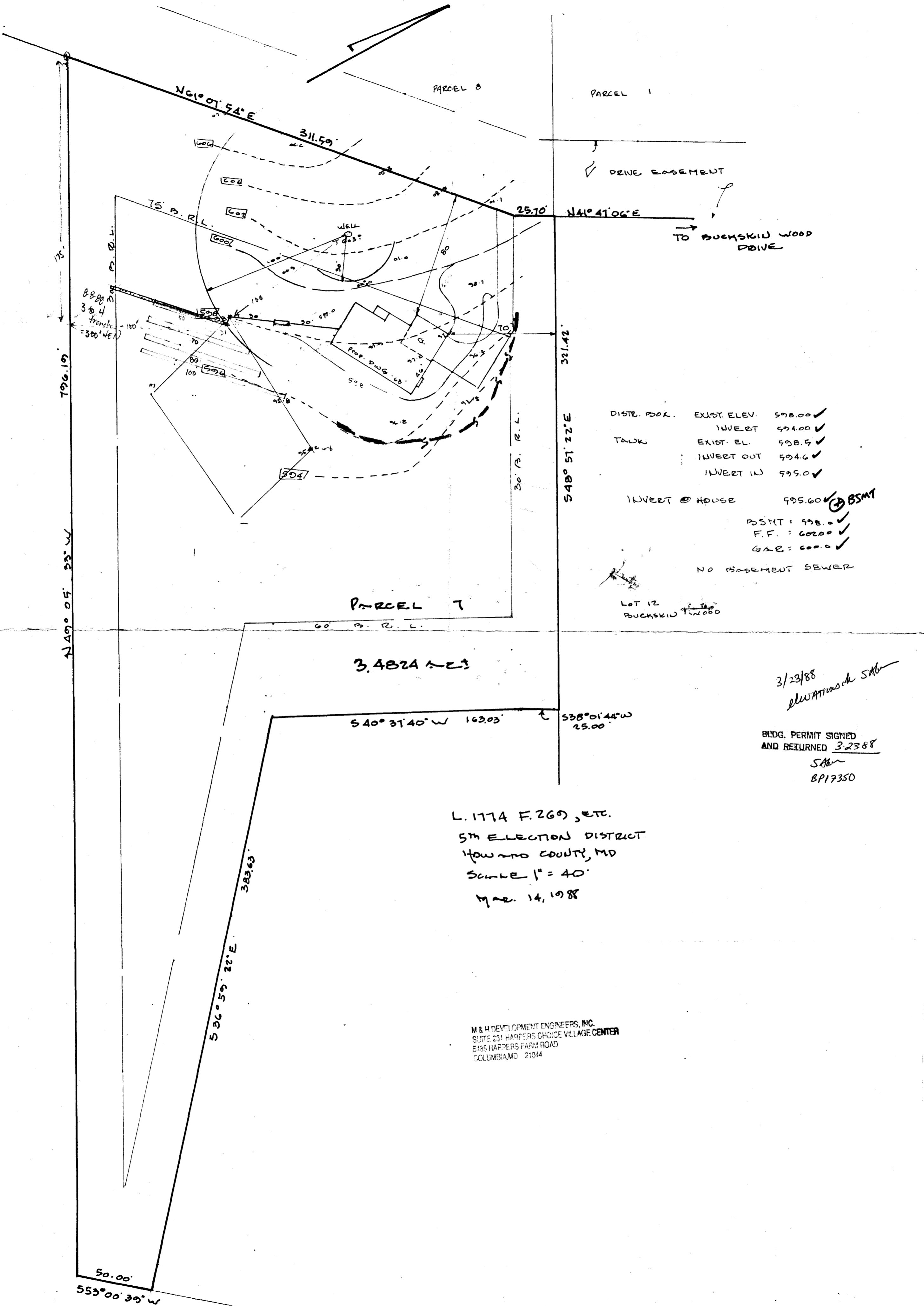
All information given above is true to the best of my knowledge.

Signature of Applicant: _____

Date: 7-7-88

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

8-5-88 Pitless adaptor at 44 inches. well line covered
in trench. No ground line. Pump tank installed. JEN



DISTR. BOX	EXIST. ELEV.	598.00 ✓
	INVERT	594.00 ✓
TANK	EXIST. EL.	598.5 ✓
	INVERT OUT	594.6 ✓
	INVERT IN	595.0 ✓
INVERT @ HOUSE		595.60 ✓ BSMT
BSMT		598.0 ✓
F.F.		602.00 ✓
GAR		600.0 ✓
NO BASEMENT SEWER		

LOT 12
BUCKSKIN WOOD

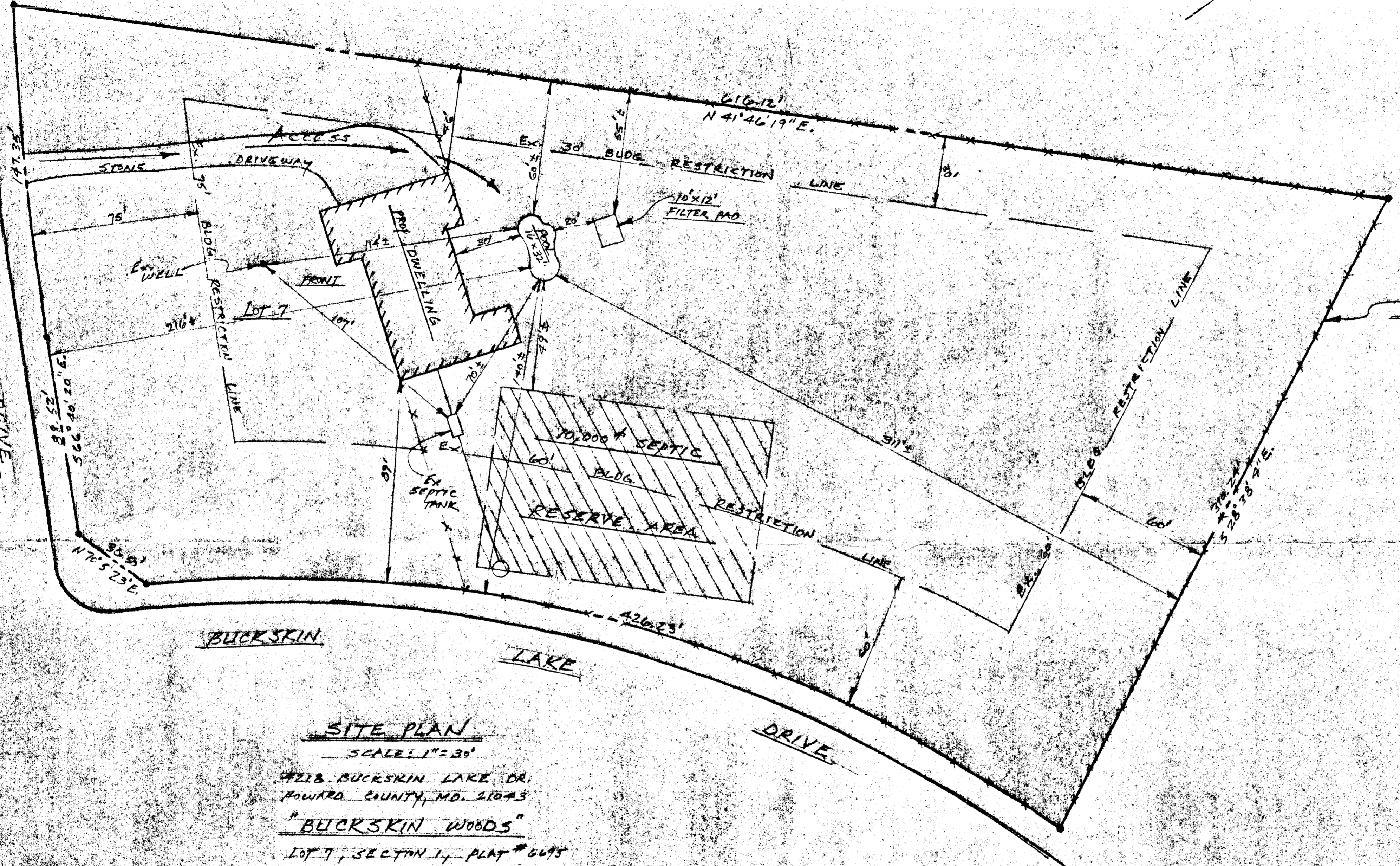
3/23/88
ELEVATIONS BY SAK

BLDG. PERMIT SIGNED
AND RETURNED 3/23/88
SAK
BP17350

L. 1774 F. 269, ETC.
5TH ELECTION DISTRICT
HOWARD COUNTY, MD
SCALE 1" = 40'
MAR. 14, 1988

M & H DEVELOPMENT ENGINEERS, INC.
SUITE 231 HARPERS CHOICE VILLAGE CENTER
5455 HARPERS FARM ROAD
COLUMBIA, MD 21044

BUCKSKIN WOOD DRIVE



FENCE DATA:
 4' HIGH POST/RAIL FENCE
 AS PER CODE (BY OWNER)

SITE PLAN

SCALE: 1"=30'

4218 BUCKSKIN LAKE DR.
 HOWARD COUNTY, MD. 21043

"BUCKSKIN WOODS"

LOT 7, SECTION 1, PLAT # 6695
 5TH ELECTION DISTRICT

10/31/88 -
 OK TO SIGN
 R. Hodger

MAILING ADDRESS:

1407 OCEAN PINES
 BERLIN, MD. 21811