

LAYOUT \_\_\_\_\_ INSP 4 \_\_\_\_\_  
INSP 2 81 \_\_\_\_\_ INSP 5 \_\_\_\_\_  
INSP 3 \_\_\_\_\_ INSP 6 \_\_\_\_\_

ISSUE DATE: 3/23/05

P 522031

APPROVAL DATE: 3/30/05

A 513618-R

**PERMIT  
INDEXED**  
TAX ID # 05-43626.5

**ON-SITE SEWAGE DISPOSAL SYSTEM  
HOWARD COUNTY HEALTH DEPARTMENT  
BUREAU OF ENVIRONMENTAL HEALTH**

South Carroll Backhoe, Inc. IS PERMITTED TO INSTALL  ALTER

ADDRESS: 4410 Salem Bottom Rd., Westminster 21157 PHONE NUMBER: 410-875-4197

SUBDIVISION: Buckskin Ridge LOT NUMBER: 17

ADDRESS: 4293 Buckskin Wood Drive PROPERTY OWNER: Columbia Builders, Inc.

SEPTIC TANK CAPACITY (GALLONS): 1250 OUTLET BAFFLE FILTER REQUIRED

PUMP CHAMBER CAPACITY (GALLONS): N/a COMPARTMENTED TANK REQUIRED

NUMBER OF BEDROOMS: 4

SQUARE FEET PER BEDROOM: 180

LINEAR FEET OF TRENCH REQUIRED: 180 HOUSE SERVED BY PUBLIC WATER

TRENCHES:	Trench to be 2.0 feet wide. Inlet 4.0 feet below original grade. Bottom maximum depth 6.5 feet below original grade. Effective area begins at 4.0 feet below original grade. 2.5 feet of stone below distribution pipe.
LOCATION:	Relocate distribution box in order to maintain 20' setback from proposed garage.
NOTES:	Abandon trench closest to the house. Keep second trench & install a new trench further down the SDA. This upgrade is in support of a future building permit.

PLANS APPROVED: Peter Yencsik Reviewed by: Pete A.Y. DATE: 3/23/05

NOTES: PERMIT VOID AFTER 2 YEARS  
CONTRACTOR IS RESPONSIBLE FOR SCHEDULING A PRE-CONSTRUCTION INSPECTION FOR ALL INSTALLATIONS  
WATERTIGHT SEPTIC TANKS REQUIRED  
ALL PARTS OF SEPTIC SYSTEM SHALL BE 100 FEET FROM ANY WATER WELL UNLESS SPECIFICALLY AUTHORIZED  
MANHOLE RISERS REQUIRED ON ALL SEPTIC TANKS AND PUMP CHAMBERS UNLESS SPECIFICALLY AUTHORIZED  
CONTRACTOR RESPONSIBLE FOR COMPLIANCE WITH APPLICABLE REGULATIONS, GUIDELINES AND THE TERMS OF THIS PERMIT

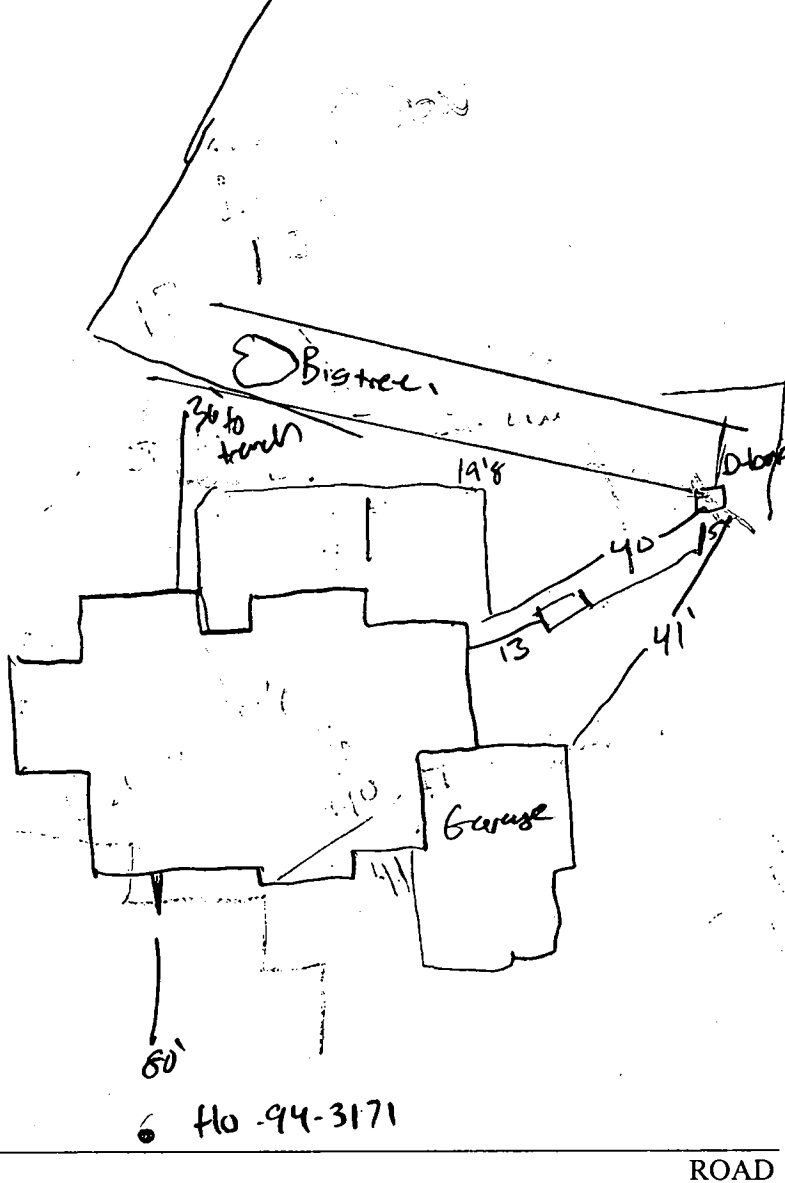
**NEITHER THE HOWARD COUNTY COUNCIL NOR THE HEALTH DEPARTMENT IS  
RESPONSIBLE FOR THE SUCCESSFUL OPERATION OF ANY SYSTEM  
PERMITTEE RESPONSIBLE FOR OBTAINING FINAL APPROVAL ON THIS PERMIT  
CALL 410-313-1771 FOR INSPECTION OF SEPTIC SYSTEM**

**BUILDING PERMIT SIGNED  
AND RETURNED**

3-30-05 R00152929 - Screen Porch + Deck

A513618-R

NOT TO SCALE



**TRENCH/DRAINFIELD DATA**

WIDTH	INLET	BOTTOM
_____	_____	_____
NUMBER OF TRENCHES _____		
TOTAL LENGTH _____		
ABSORPTION AREA _____		
DISTRIBUTION BOX LEVEL _____		
DISTRIBUTION BOX BAFFLE _____		
DISTRIBUTION BOX PORT _____		

**SEPTIC TANK DATA**

SEPTIC TANK 1 LEVEL \_\_\_\_\_

CAPACITY \_\_\_\_\_ GAL

SEAM LOC \_\_\_\_\_

TANK LID DEPTH \_\_\_\_\_

BAFFLES \_\_\_\_\_

BAFFLE FILTER \_\_\_\_\_

MANHOLE LOC \_\_\_\_\_

6" PORT LOC \_\_\_\_\_

WATERTIGHT TEST \_\_\_\_\_

SEPTIC TANK 2 LEVEL \_\_\_\_\_

CAPACITY \_\_\_\_\_ GAL

SEAM LOC \_\_\_\_\_

TANK LID DEPTH \_\_\_\_\_

BAFFLES \_\_\_\_\_

BAFFLE FILTER \_\_\_\_\_

MANHOLE LOC \_\_\_\_\_

6" PORT LOC \_\_\_\_\_

WATERTIGHT TEST \_\_\_\_\_

PRE-CONSTRUCTION \_\_\_\_\_

INSTALLATION See pink sheet.

trench dual port panel  
abandoned. Only Distribution box was relocated.

PAY 3/30/05

**BUILDING DEPARTMENT**  
**AND RELATED**

FINAL INSPECTOR Pete Yener &

DATE OF APPROVAL 3/30/05

# FILE INQUIRY FORM

Property Address: 4293

for proposed Garage + Deck,  
1 trench must be abandoned,  
D-box must be moved 20' away.

Septic tank may remain as is  
using sanitary well piping.

Need on a plan w/ new area,  
+ Deleted area,

No percing necessary. / 2004 notes

2 do both on one permit. PAY 3/2/05  
3/3/05 spoke w/ Dave + told him he cannot  
set permit until septic is resolved (KSR)  
3/23/05

3/30/05 Trench was <sup>not</sup> abandoned.

trench is 9' 8" from Deck.

John ok, I'm ok with it.

D box was moved 10' away from  
proposed garage (Not 20')

Tank remained the same.

Second trench was not  
added. Deck is already  
built, ~~Permit~~ not signed.

OK to cover. (PAY)

40

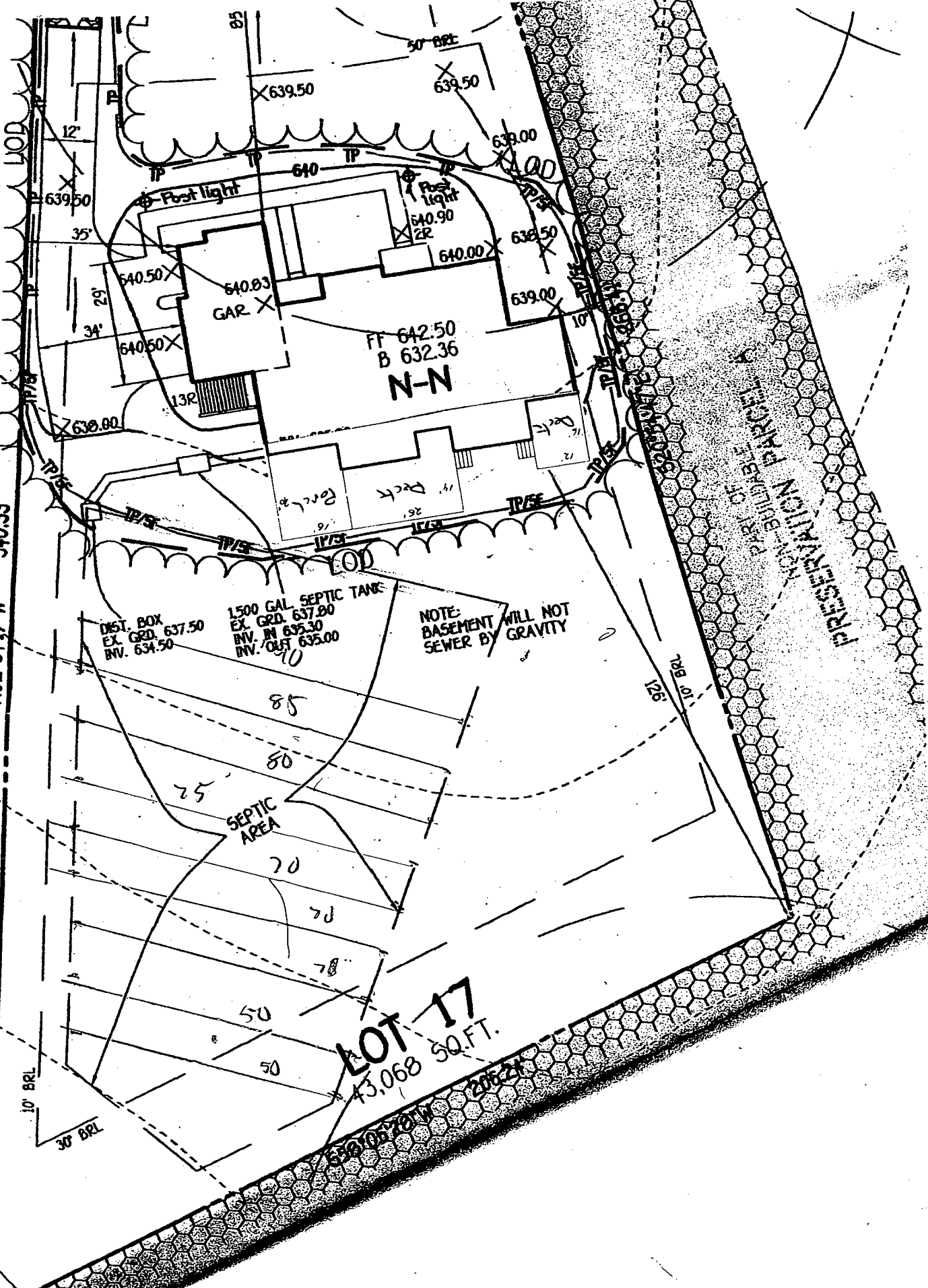








N02°34'17"W 340.33'



DIST. BOX  
 EX. GRD. 637.50  
 INV. 634.50

1500 GAL. SEPTIC TANK  
 EX. GRD. 637.80  
 INV. IN 635.30  
 INV. OUT 635.00

NOTE:  
 BASEMENT WILL NOT  
 SEWER BY GRAVITY

**LOT 17**  
 43,068 SQ. FT.

RESERVED FOR THE USE OF THE  
 NATIONAL FIREARMS ASSOCIATION

12'

35'

29'

34'

639.50

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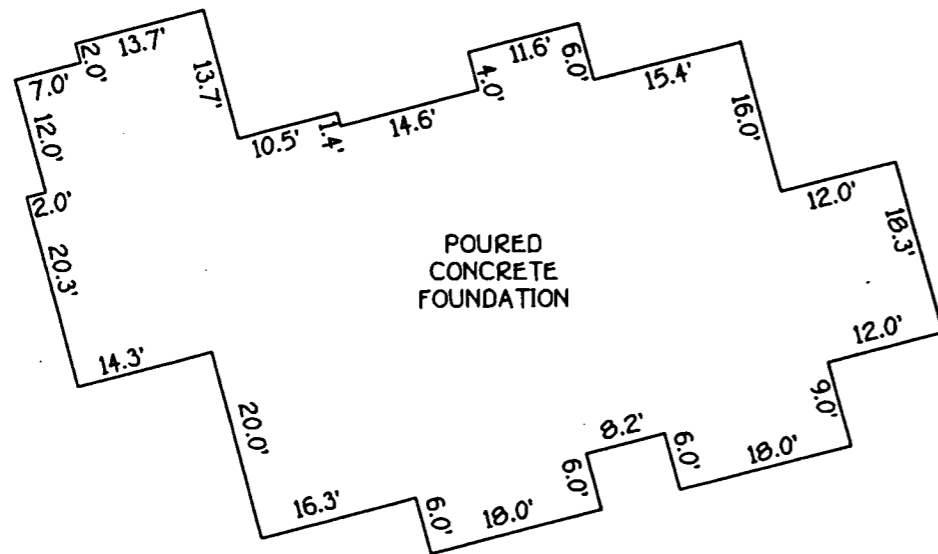
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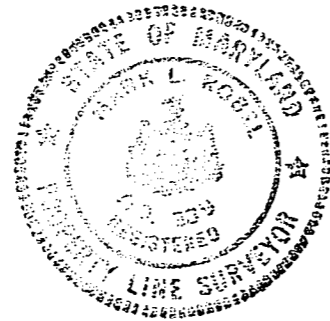
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**GENERAL NOTES:**

- 1) THIS LOCATION DRAWING IS PREPARED FOR THE BENEFIT OF THE CLIENT SIGNING THE HOUSE LOCATION SURVEY APPROVAL FORM INSOFAR AS IT IS REQUIRED BY A LENDER OR TITLE INSURANCE COMPANY OR ITS AGENTS IN CONNECTION WITH THE CONTEMPLATED TRANSFER, FINANCING OR REFINANCING OF THE PROPERTY SHOWN HEREON. UNLESS INDICATED AS BEING A BOUNDARY SURVEY, THIS LOCATION DRAWING IS NOT INTENDED FOR USE IN THE ESTABLISHMENT OF PROPERTY LINES AND IS NOT TO BE RELIED UPON FOR THE ESTABLISHMENT OR LOCATIONS OF FENCES, GARAGES, BUILDINGS OR OTHER EXISTING OR FUTURE IMPROVEMENTS. AS A RESULT, THIS LOCATION DRAWING DOES NOT PROVIDE FOR ACCURATE IDENTIFICATION OF PROPERTY LINES, BUT SUCH IDENTIFICATION MAY NOT BE REQUIRED FOR THE TRANSFER OF TITLE OR SECURING FINANCING FOR RE-FINANCING.
- 2) SUBJECT PROPERTY IS SHOWN IN ZONE C ON THE NATIONAL FLOOD INSURANCE PROGRAM FLOOD INSURANCE RATE MAP OF HOWARD COUNTY, MARYLAND, COMMUNITY PANEL No. 2400440021B EFFECTIVE DEC. 4, 1986.
- 3) THE OFFSETS FROM BUILDING LINE TO PROPERTY LINE AS SHOWN ON THE PLAT HEREON ARE TO AN ACCURACY OF PLUS OR MINUS 0.5' (+)
- 4) NO TITLE REPORT FURNISHED. SUBJECT TO ALL EASEMENTS, RIGHTS OF WAY AND CONDITIONS OF RECORD.
- 5) THE EXISTING WELL SHOWN ON THIS PLAN (IDENTIFIED WITH THE ATTACHED WELL TAG NUMBER HO-94-3171) HAS BEEN FIELD LOCATED BY FISHER, COLLINS AND CARTER, INC. PROFESSIONAL LAND SURVEYORS AND IS ACCURATELY SHOWN.



DETAIL:  
1"=20'



*Mark L. Kobil* 9/2/04  
PROFESSIONAL LAND SURVEYOR DATE  
REG. # 339

**FISHER, COLLINS & CARTER, INC.**  
CIVIL ENGINEERING CONSULTANTS & LAND SURVEYORS  
CENTENNIAL SQUARE OFFICE PARK - 10272 BALTIMORE NATIONAL PIKE  
ELLICOTT CITY, MARYLAND 21042  
(410) 461-2855

4293 BUCKSKIN WOOD DRIVE  
B.R.L. = BUILDING RESTRICTION LINE  
TOP OF FOUNDATION ELEV. 641.2'

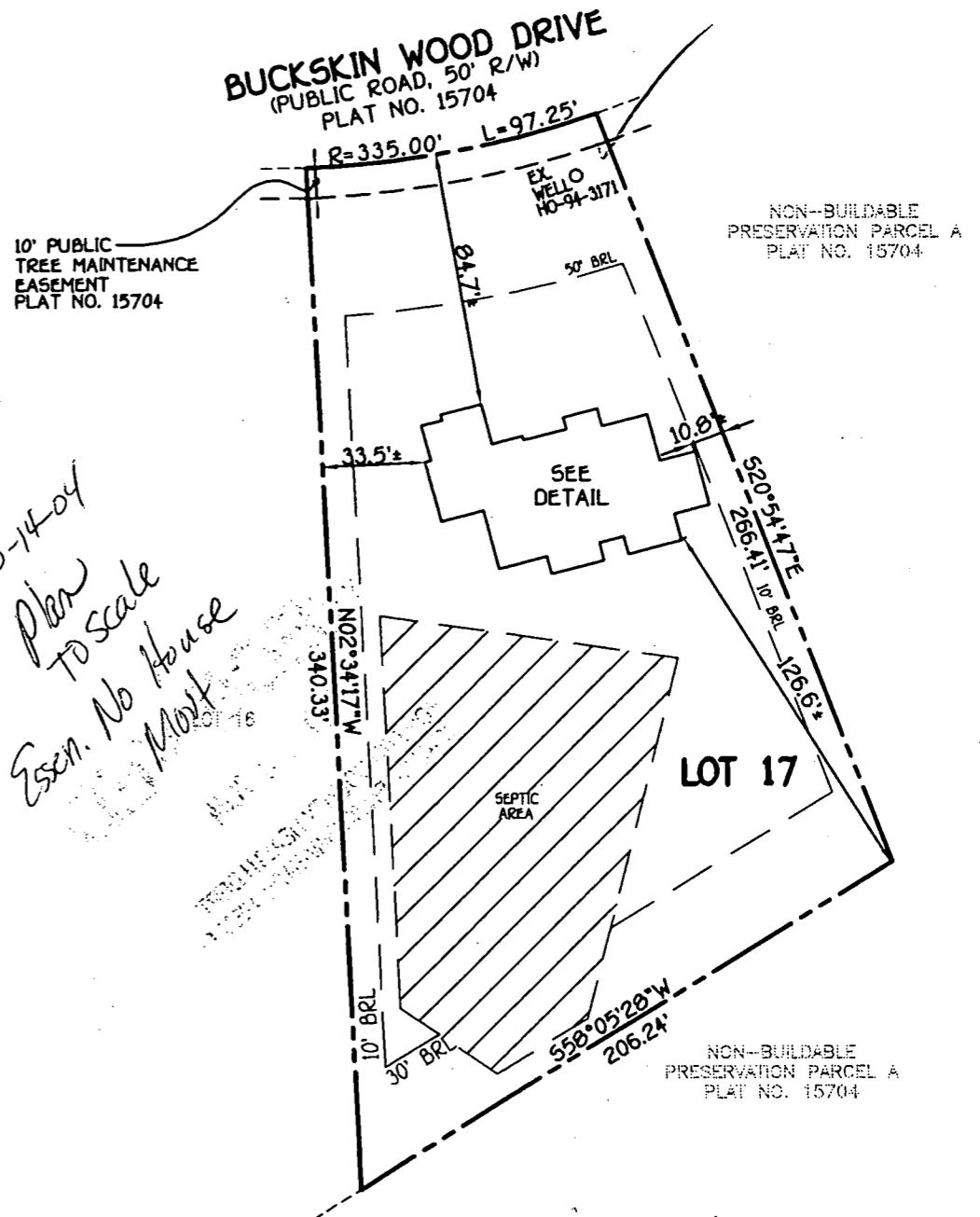


**HOUSE LOCATION DRAWING**

FOUNDATION LOCATION: 9/2/04  
FINAL LOCATION: \_\_\_\_\_  
BOUNDARY SURVEY: \_\_\_\_\_

SCALE: 1"=60'  
DATE: 9/2/04  
DRAWN BY: V.L.J.  
CHECKED BY: T.A.F.  
PROJECT No.: 61700

LOT 17  
BUCKSKIN RIDGE  
LOTS 1 THRU 47 AND  
PRESERVATION PARCEL A  
FIFTH ELECTION DISTRICT  
HOWARD COUNTY, MARYLAND  
PLAT NO. 15704



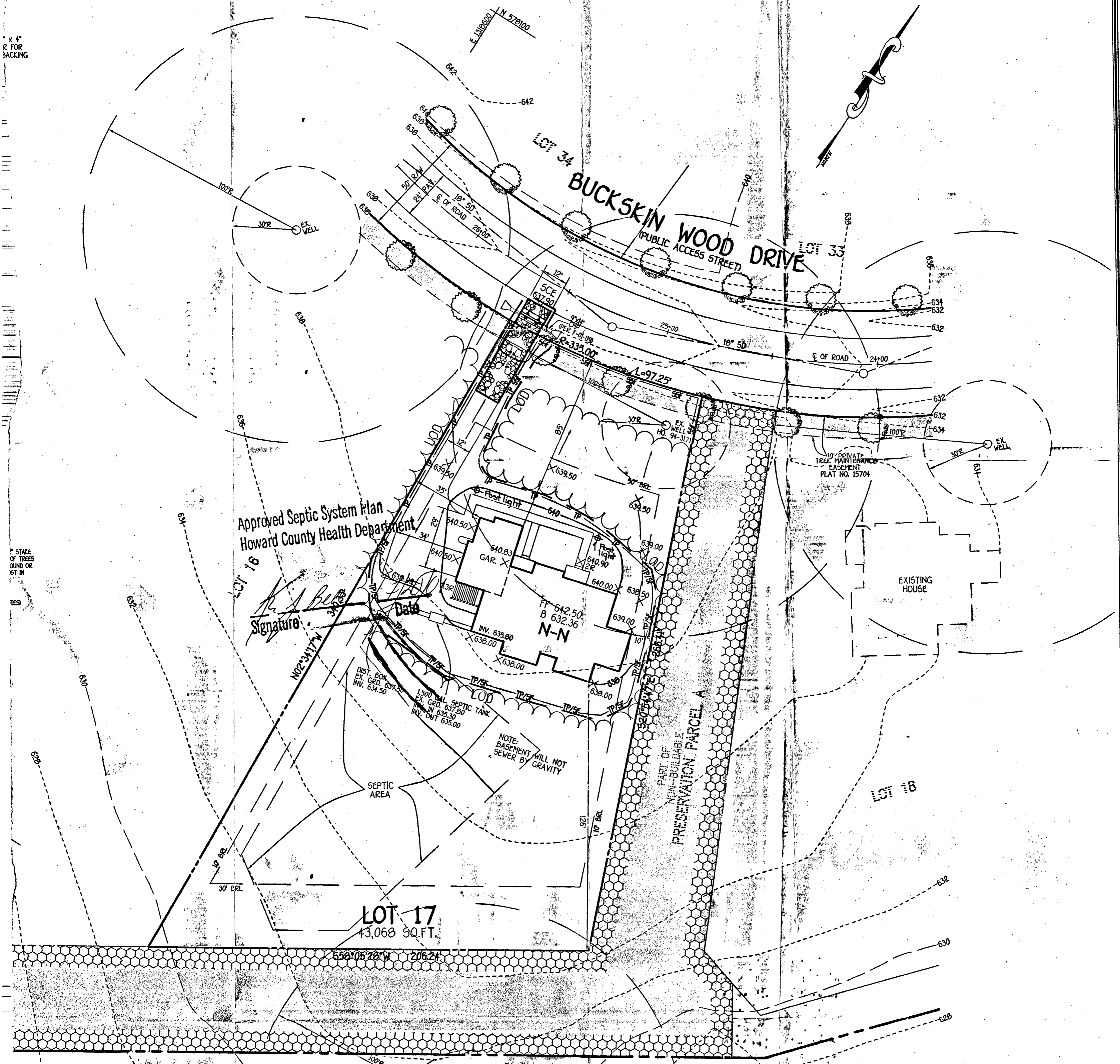
10-14-04  
Plan  
TO SCALE  
Esem. No House  
Most

Wall  
Check

4" R FOR BACKING

STAKE OF TREES FOUND OR SET IN

1753



Approved Septic System Plan  
Howard County Health Department

Signature: *Earl D. Collins*

Date: *6-9-04*

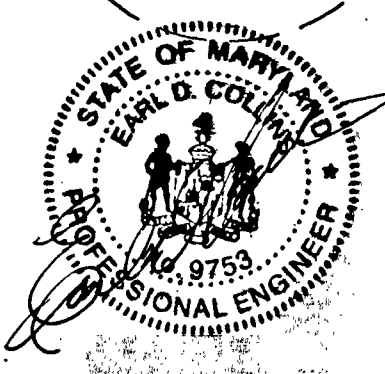
LOT 17  
43,068 SQ.FT.

**GENERAL NOTES**

1. SUBJECT PROPERTY ZONED: RC-DEO
2. TOTAL AREA OF PROPERTY: 43,068 SQ.FT.
3. SEPTIC EASEMENT SUBJECT TO HOWARD COUNTY HEALTH DEPARTMENT REVIEW.
4. LENGTH OF TRENCH TO BE DETERMINED AT TIME OF SEPTIC PERMIT ISSUANCE.
5. CONTRACTOR/BUILDER TO VERIFY ELEVATION IN THE FIELD BEFORE BEGINNING ANY CONSTRUCTION.
6. FIELD RUN TOPOGRAPHIC SURVEY DONE BY CLARK, FINEPROCK & SACKETT, INC.
7. NO WETLANDS CURRENTLY EXIST ON THE PROPERTY.
8. DRIVEWAY CULVERTS SHALL BE CONSTRUCTED AT SITE DEVELOPMENT PLAN STAGE IN ACCORDANCE WITH APPROVED CULVERT SIZE SHOWN ON F-01-19L
9. STORMWATER MANAGEMENT IS PROVIDED UNDER F-01-19L
10. PLAT REFERENCE NO. 15704

**BUILDER/DEVELOPER**

COLUMBIA BUILDERS  
P.O. BOX 999  
COLUMBIA, MARYLAND 21044  
410-730-3940



**ENGINEER'S CERTIFICATE**

"I HEREBY CERTIFY THAT THIS PLAN FOR EROSION AND SEDIMENT CONTROL REPRESENTS A PRACTICAL AND WORKABLE PLAN BASED ON MY PERSONAL KNOWLEDGE OF THE SITE CONDITION AND THAT IT WAS PREPARED IN ACCORDANCE WITH THE REQUIREMENTS OF THE HOWARD SOIL CONSERVATION DISTRICT."

Signature: *Earl D. Collins*

EARL D. COLLINS

Date: *6-9-04*

DATE

**SITE DEVELOPMENT,  
SEDIMENT/EROSION CONTROL PLAN, NOTES & DETAILS**

**BUCKSKIN RIDGE**

LOT 17

ZONED RR-DEO PLAT NO. 15705  
5TH ELECTION DISTRICT HOWARD COUNTY, MARYLAND  
SCALE: 1"=30' DATE: MAY, 2004

**DEVELOPER'S CERTIFICATE**

"THAT ALL DEVELOPMENT AND CONSTRUCTION WILL BE DONE IN ACCORDANCE WITH THIS PLAN AND THAT ANY RESPONSIBLE PERSONNEL INVOLVED IN THE PROJECT WILL HAVE A CERTIFICATE OF ATTENDANCE FROM THE ENVIRONMENT APPROVED TRAINING PROGRAM FOR SEDIMENT AND EROSION BEFORE BEGINNING THE PROJECT. I WILL PERIODIC ON-SITE INSPECTION BY THE HOWARD SOIL CONSERVATION DISTRICT."

Signature: *B. James Greenfield*

Date: *6-9-04*

B. JAMES GREENFIELD

DATE

**G.P. 04-102**

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: ROBERT L. FEEZER CO INC Telephone #: 410-781-4655  
Address: 6321 BALDWIN AVE  
SUKEYVILLE, 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): ROBERT L. FEEZER CO. License # 2122

\*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: JOEL SANCHEZ DLR Telephone #: 410-442-5780  
Subdivision: BUCKSIN RIDGE Lot #: 17 Well Tag #: HO-94-3171  
Site Address: BUCKSIN RIDGE  
ELLICOTT CITY, MD 21042

Submersible Pump Data Pitless Adapter Well Cap and Electric Conduit  
Make: STANITE Make: CAMPBELL Two piece watertight cap:   
Model #: SSP4500AL Model: PAS00 Screened, vented well cap:   
Pump Capacity: 5 GPM Depth: 42 (36" min) Cap secured to casing:   
Well Yield:          GPM NSF approved:  Conduit min 1 1/2" B.G.:

Depth of well encountered at time of pump installation: 560 (feet) Conduit secured to well cap:   
If pump capacity exceeds well yield, a low water cut off switch is required by NSPC 1990 Section 17.8.4  
Torque arrestors for Cable guides are required - Must circle one  
Safety rope, if used, attached to inside of well casing with eye bolt.

Piping to house House Connection  
Type: POLY PVC sleeved to undisturbed soil at wall penetration:   
FSI: 200 (160 psi min) Approximate length of sleeve: 5'  
Depth of supply line: 42 (36" min) Sleeve caulked and sealed properly:

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: Robert L. Fezer date: 10/19/04

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

Date Insp. Requested: \_\_\_\_\_ Date Insp. Approved: 10/19/04 50  
Inspection Data: Pitless adapter and water supply line at least 36" below grade   
Two piece cap installed and attached to casing securely  BB  
Elec. conduit extends at least 1 1/2" 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 groll observed below pitless adapter

FAVE  
OCT 19 2004  
BY: \_\_\_\_\_

C1 0632

SEQUENCE NO. (MDE 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)

COUNTY NUMBER 13 11/19/01 OK BDB

DATE RECEIVED MM DD YY

DATE WELL COMPLETED MM DD YY 10/1/01

DEPTH OF WELL 600 (TO NEAREST FOOT)

PERMIT NO. FROM "PERMIT TO DRILL WELL" HO-94-3171

OWNER: Floyd Lane LLC STREET OR RD: Buckskin Wood Drive TOWN: Elliott City SUBDIVISION: Buckskin Ridge SECTION: LOT: 17

WELL LOG table with columns: DESCRIPTION, FEET (FROM, TO), check if water bearing. Includes entries for Top Soil, Brown Shale, Brown Mica, Gray Mica, Fractured zone, and Gray Mica.

GROUTING RECORD: WELL HAS BEEN GROUTED (Y), TYPE OF GROUTING MATERIAL: CEMENT (CM), BENTONITE CLAY (BC), NO. OF BAGS: 19, NO. OF POUNDS: 1900, GALLONS OF WATER: 114, DEPTH OF GROUT SEAL: 74

CASING RECORD: MAIN CASING TYPE: ST (STEEL), Nominal diameter: 6", Total depth: 92'

OTHER CASING (if used) table with columns: diameter, depth (feet)

SCREEN RECORD: screen type or open hole: ST (STEEL), BR (BRASS), HO (OPEN HOLE), PL (PLASTIC), OT (OTHER)

NUMBER OF UNSUCCESSFUL WELLS: 0

WELL HYDROFRACTURED: YES (Y), NO (N)

- 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 26.04.04 "WELL CONSTRUCTION" AND IN CONFORMANCE WITH ALL CONDITIONS STATED IN THE ABOVE CAPTIONED PERMIT...

DRILLERS LIC. NO. 1 MW D 040 George F. Katerling

LIC. NO. 1 MSD 038 Bruce Hampton

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

DEPTH (nearest ft.) table with columns: 1, 2, 3, 4, 5, 6, 7, 8, 9, 11, 15, 17, 21, 23, 24, 26, 30, 32, 36, 38, 39, 41, 45, 47, 51. Includes SLOT SIZE and DIAMETER OF SCREEN.

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

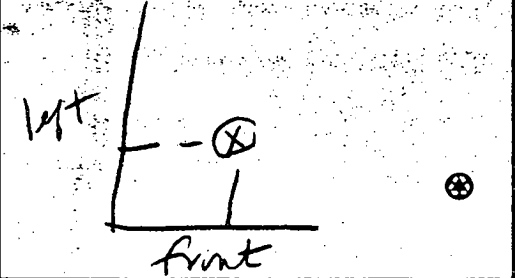
MDE USE ONLY (NOT TO BE FILLED IN BY DRILLER) T (E.R.O.S.) W O

TELESCOPE CASING LOG INDICATOR OTHER DATA

PUMPING TEST: HOURS PUMPED: 6, PUMPING RATE: 2.0, METHOD USED TO MEASURE PUMPING RATE: Bucket, WATER LEVEL: BEFORE PUMPING 69 ft, WHEN PUMPING 273 ft, TYPE OF PUMP USED: S (submersible)

PUMP INSTALLED: DRILLER INSTALLED PUMP (CIRCLE) (YES or NO) YES (NO), TYPE OF PUMP INSTALLED: S, 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 2 (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)





Date \_\_\_\_\_ of \_\_\_\_\_

1026 Review K6

**FIELD DATA SHEET**  
**HOWARD COUNTY WELL YIELD TEST**

Well Permit No. HO - 94-3171  
 Location of property (road) Buckskin wood Drive  
 Subdivision Buckskin Ridge Lot 17 Block \_\_\_\_\_ Plat \_\_\_\_\_ Sec. \_\_\_\_\_  
 Well Driller G. Easterday Owner Floyd Lane LLC

Depth of well 600 1/2  
 Distance of measuring point (M.P.) above ground 2 FT  
 Static water level (S.W.L.) below M.P. 69 FT

**I. High rate pumping -- reservoir drawdown**

Time pump started 6:00 am Pumping rate 15 GPM  
 Total time 45 min to reach pumping water level 272 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) <u>Pump SE7</u>	CALCULATED FLOW (gallons per minute)
645	272 FT	30 sec	385 FT	2 GPM
700	272 FT	30 sec	A	2 GPM
715	272 FT	30 sec		2 GPM
730	272 FT	30 sec		2 GPM
745	272 FT	30 sec		2 GPM
800	272 FT	30 sec		2 GPM
815	272 FT	30 sec		2 GPM
830	272 FT	30 sec		2 GPM
845	272 FT	30 sec		2 GPM
900	272 FT	30 sec		2 GPM
915	272 FT	30 sec		2 GPM
930	272 FT	30 sec		2 GPM
945	272 FT	30 sec		2 GPM
1000	272 FT	30 sec		2 GPM
1015	272 FT	30 sec		2 GPM
1030	272 FT	30 sec		2 GPM
1045	272 FT	30 sec		2 GPM
1100	272 FT	30 sec		2 GPM
1115	272 FT	30 sec		2 GPM
1130	272 FT	30 sec		2 GPM
1145	272 FT	30 sec		2 GPM
1200	273 FT	30 sec		2 GPM
1215	273 FT	30 sec		2 GPM
1230				

385 FT

B 1 9242

SEQUENCE NO. (MDE USE ONLY)

STATE OF MARYLAND PERMIT TO DRILL WELL WSIS 311 please print or type

STATE PERMIT NUMBER HO-94-3171 fill in this form completely

OWNER INFORMATION 8634 Floyd Lane LLC P. O. Box 999 Columbia, Md 21044

LOCATION OF WELL HOWARD COUNTY Buckskin Ridge GCH SECTION 17 LOT 17 GLENELG NEAREST TOWN

DRILLER INFORMATION George F. Easterday MWD 040 L. Franklin Easterday, Inc. 9265 Brown Church Rd., MT. Airy, Md. 21771

Buckskin Wood Drive NEAR WHAT ROAD ON WHICH SIDE OF ROAD DISTANCE FROM ROAD 20 FT. ENTER FT OR MI

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

USE FOR WATER (CIRCLE APPROPRIATE BOX) DOMESTIC POTABLE SUPPLY & RESIDENTIAL IRRIGATION

NOT TO BE FILLED IN BY DRILLER HEALTH DEPARTMENT APPROVAL HOWARD COUNTY NAME

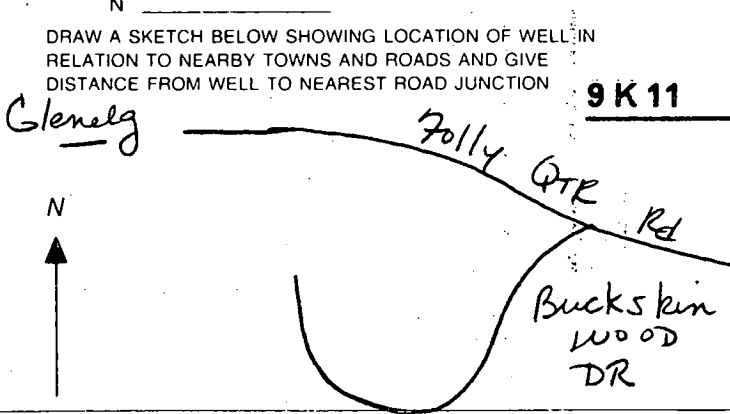
APPROXIMATE DEPTH OF WELL 300 FEET APPROXIMATE DIAMETER OF WELL 6 INCH

SHOW MAJOR FEATURES OF BOX & LOCATE WELL WITH AN X SOURCES OF DRILLING WATER wells 9/28/01 Grad A.M. 600' well 92' casing 78' Annular 25 Bags cement 30' Grout line

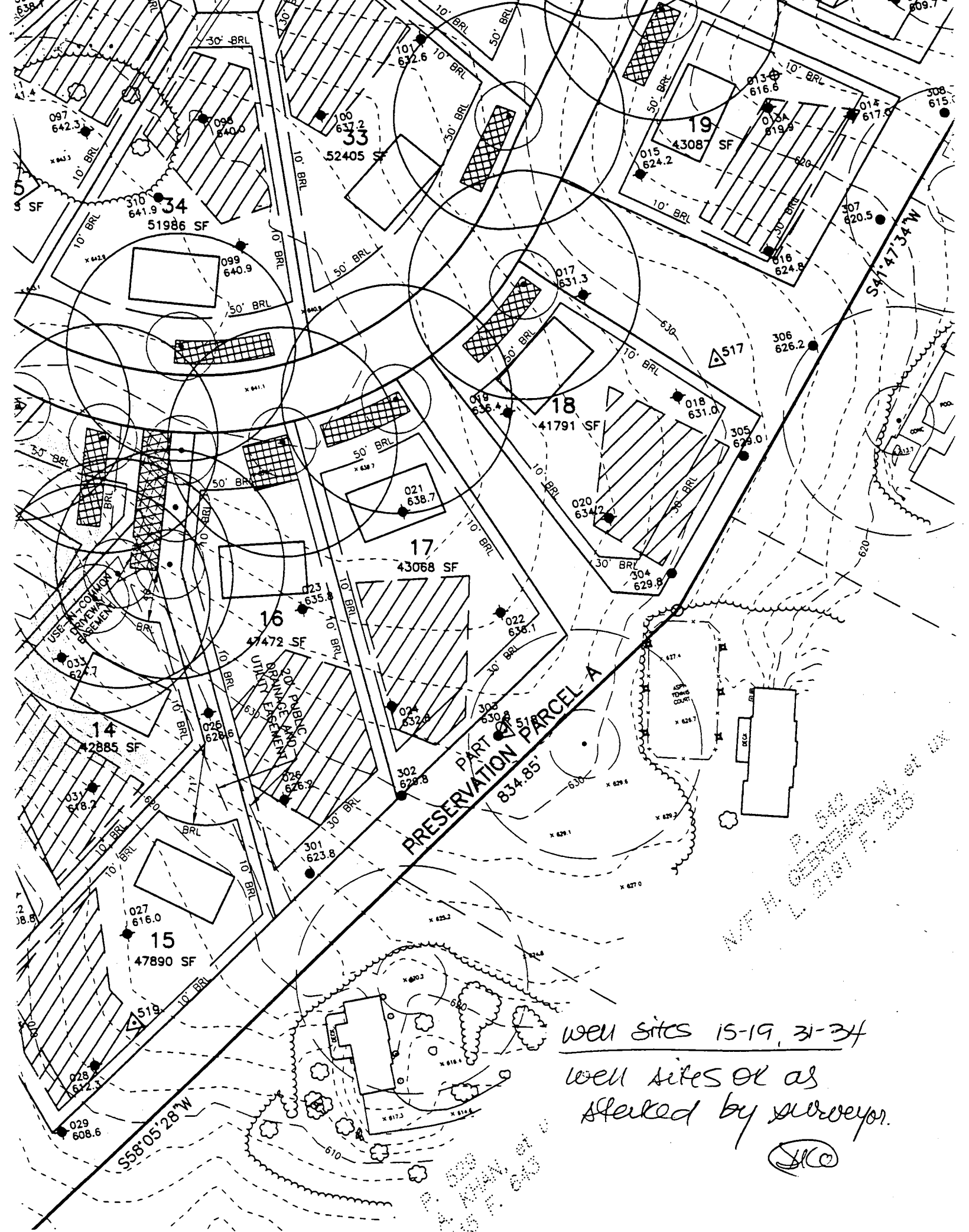
METHOD OF DRILLING (circle one) BORED (or Augered) JETTED Jetted & DRIVEN AIR-ROTARY AIR-PERCussion ROTARY (Hydraulic Rotary) CABLE REVerse-ROTARY DRive-POINT

REPLACEMENT OR DEEPEMED WELLS (CIRCLE APPROPRIATE BOX) THIS WELL WILL NOT REPLACE AN EXISTING WELL

Not to be filled in by driller (MDE OR COUNTY USE ONLY) APPROP. PERMIT NUMBER HO 2000 GDL (01) PERMIT No. HO-94-3171



SPECIAL CONDITIONS NOTE: APPROVING AUTHORITIES SHOULD USE SEPARATE SHEET IF NEEDED



well sites 15-19, 31-34  
 well sites OK as  
 staked by surveyor.

(SIC)

# APPLICATION

PERCOLATION TESTING

A 513618-R

P \_\_\_\_\_

HOWARD COUNTY HEALTH DEPARTMENT  
BUREAU OF ENVIRONMENTAL HEALTH  
3525-H ELLICOTT MILLS DRIVE/ELLICOTT CITY, MARYLAND 21043  
TELEPHONE: 313-2640

DISTRICT \_\_\_\_\_

DATE \_\_\_\_\_

TO: THE COUNTY HEALTH OFFICER  
ELLICOTT CITY, MARYLAND

I HEREBY APPLY FOR THE NECESSARY TEST PRIOR TO APPLICATION FOR PERMIT TO CONSTRUCT (OR RECONSTRUCT) A SEWAGE DISPOSAL SYSTEM.

PROPERTY OWNER Jared T. Healy, Trustee and M. Charlotte Powel, Trustee

ADDRESS 10715 Charter Dr., Columbia, MD 21044 PHONE 410-730-4545

AGENT OR PROSPECTIVE BUYER Floyd Lane, L.L.C. CONTACT: Tim Feaga, Heritage Land Develop

ADDRESS P.O. Box 999, Columbia, MD 21044 PHONE 410-489-7900, ext. 11

PROPERTY LOCATION:

SUBDIVISION \_\_\_\_\_ LOT NO. 43 (17)

ROAD AND DESCRIPTION Buckskin Woods Drive, Ellicott City, MD 21042

TAX MAP 22 PARCEL # 77, 283 and 74

SIZE OF LOT 1 acre 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. B. James Greenfield  
(SIGNATURE OF APPLICANT)

APPROVED BY \_\_\_\_\_ FOR \_\_\_\_\_ DATE \_\_\_\_\_

DISAPPROVED BY \_\_\_\_\_ FOR \_\_\_\_\_ DATE \_\_\_\_\_

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

REASONS FOR REJECTION OR HOLDING \_\_\_\_\_

PERCOLATION TEST PLAT/PRELIMINARY PLAT - TITLE OR I.D. # \_\_\_\_\_ DATE \_\_\_\_\_

SITE DEVELOPMENT PLAN/FINAL PLAT - TITLE OR I.D. # \_\_\_\_\_ DATE \_\_\_\_\_

# THIS IS NOT A PERMIT

COUNTY # \_\_\_\_\_

SOIL PROFILE

0' [Empty vertical box for soil profile]

[Empty vertical box for soil profile]

[Empty vertical box for soil profile]


SOIL PROFILE

0' [Empty vertical box for soil profile]

INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	

REMARKS \_\_\_\_\_

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

TESTED BY \_\_\_\_\_ ALSO PRESENT \_\_\_\_\_

TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME \_\_\_\_\_ TRENCH WIDTH \_\_\_\_\_

INLET DEPTH \_\_\_\_\_ MAXIMUM BOTTOM DEPTH \_\_\_\_\_ SQ. FT./BEDROOM \_\_\_\_\_

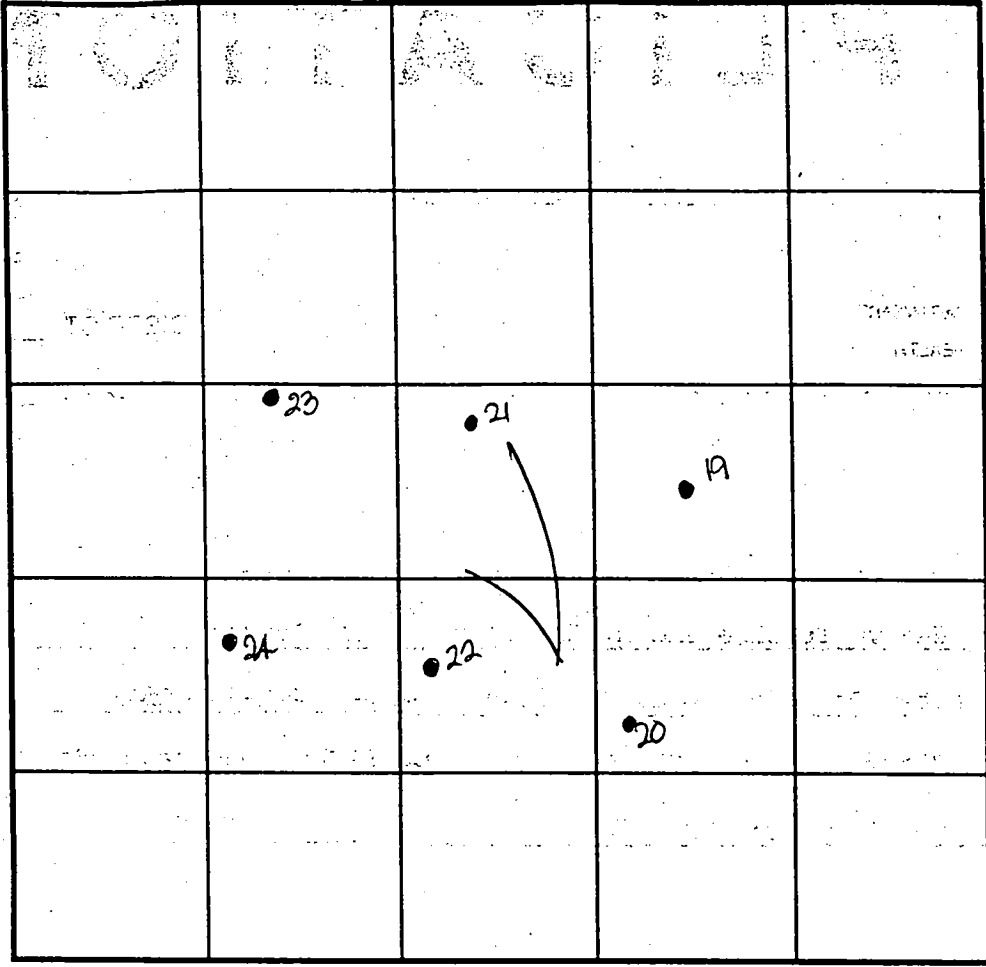
QUANTITY

SOIL PROFILE

0' topsoil  
 6" br org bmn sa cl lm  
 4' med pk bmn sa mica lm  
 20%+ sapor sh

19  
 0' topsoil  
 6" org bmn sa cl lm w/sh frag  
 4' dk to med pk bmn sa mica lm  
 20%+ sapor sh

24  
 0' topsoil  
 6" br org bmn sa cl lm  
 4' med red to org bmn sa mica lm  
 15% sapor sh



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

SOIL PROFILE

23/22  
 0' topsoil  
 6" br org bmn sa cl lm  
 3.5' med pk bmn sa mica lm  
 4' pale org bmn to pk bmn sa mica lm  
 20%+ sapor sh  
 12.5' 24  
 0' topsoil  
 6" org bmn sa cl lm  
 4' med red to org bmn sa mica lm  
 10% sapor sh

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
7-25-00	20	4.0'S	12:43	12:45	12:45	12:48	3
		13.9'D	Visual	- see	profile		OK
	19	12.0'D	Visual	- see	profile		OK
	21	3.0'S	12:55 <sub>3</sub>	1:00 <sub>3</sub>	1:00 <sub>3</sub>	1:06 <sub>3</sub>	6
		12.5'D	Visual	- see	profile		OK
	23	4.0'S	2:55 <sub>3</sub>	2:59 <sub>3</sub>	2:59 <sub>3</sub>	3:04 <sub>3</sub>	5
		12.5'D	Visual	- see	profile		OK
	24	12.5'D	Visual	- see	profile		OK
	22	12.5'D	Visual	- see	profile		OK

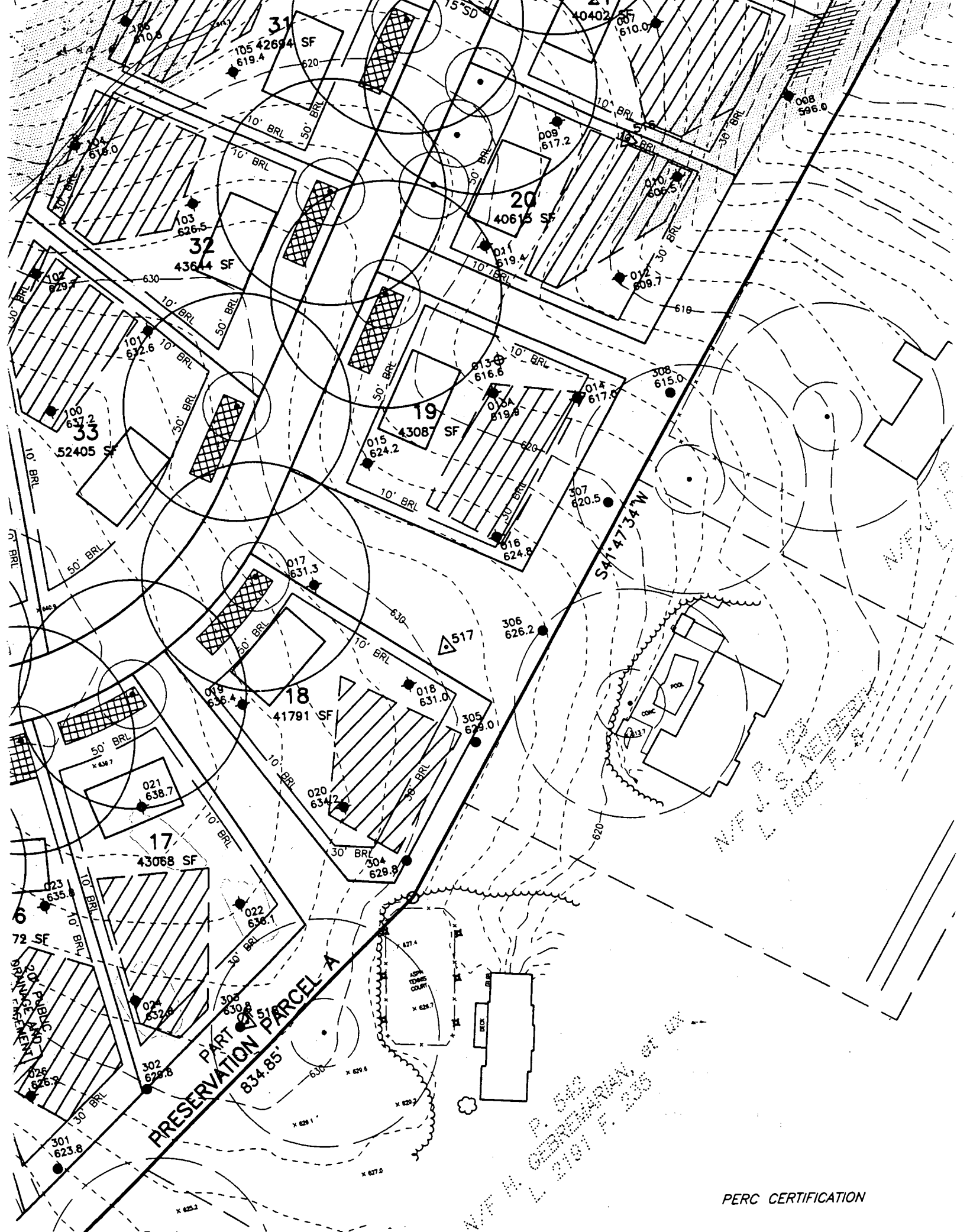
REMARKS: holes tested as stated.

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

TESTED BY: DKS ALSO PRESENT C. Zepp, T. Feaga

TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME \_\_\_\_\_ TRENCH WIDTH \_\_\_\_\_

INLET DEPTH \_\_\_\_\_ MAXIMUM BOTTOM DEPTH \_\_\_\_\_ SQ. FT./BEDROOM \_\_\_\_\_



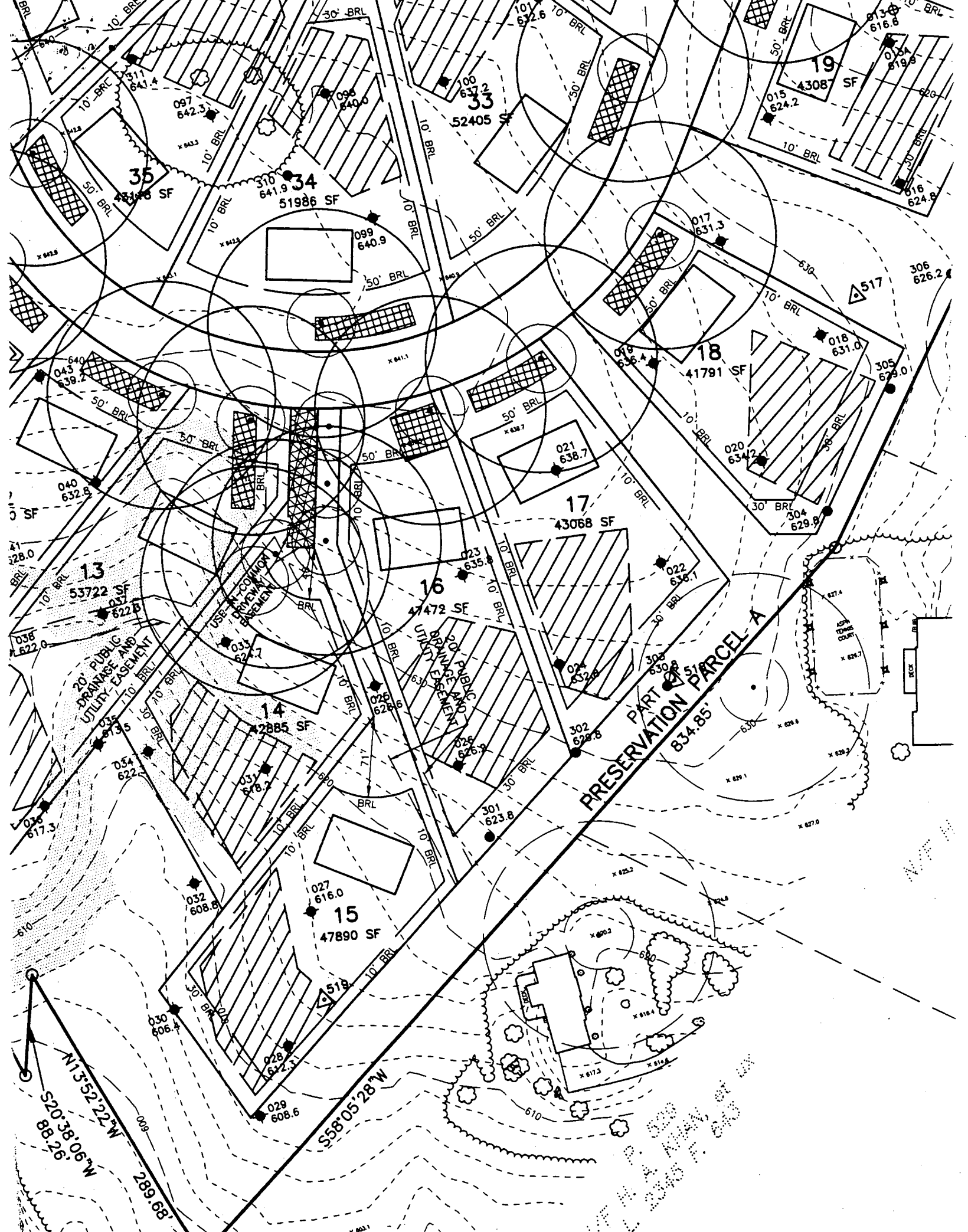
PART OF  
**PRESERVATION PARCEL A**  
 834.85'

S 41° 47' 34\"/>

MADE BY  
 JAMES H. ...  
 ...

...  
 ...  
 ...

PERC CERTIFICATION



35  
45148 SF

34  
51986 SF

19  
4308 SF

18  
41791 SF

17  
43068 SF

16  
47472 SF

13  
53722 SF

14  
42885 SF

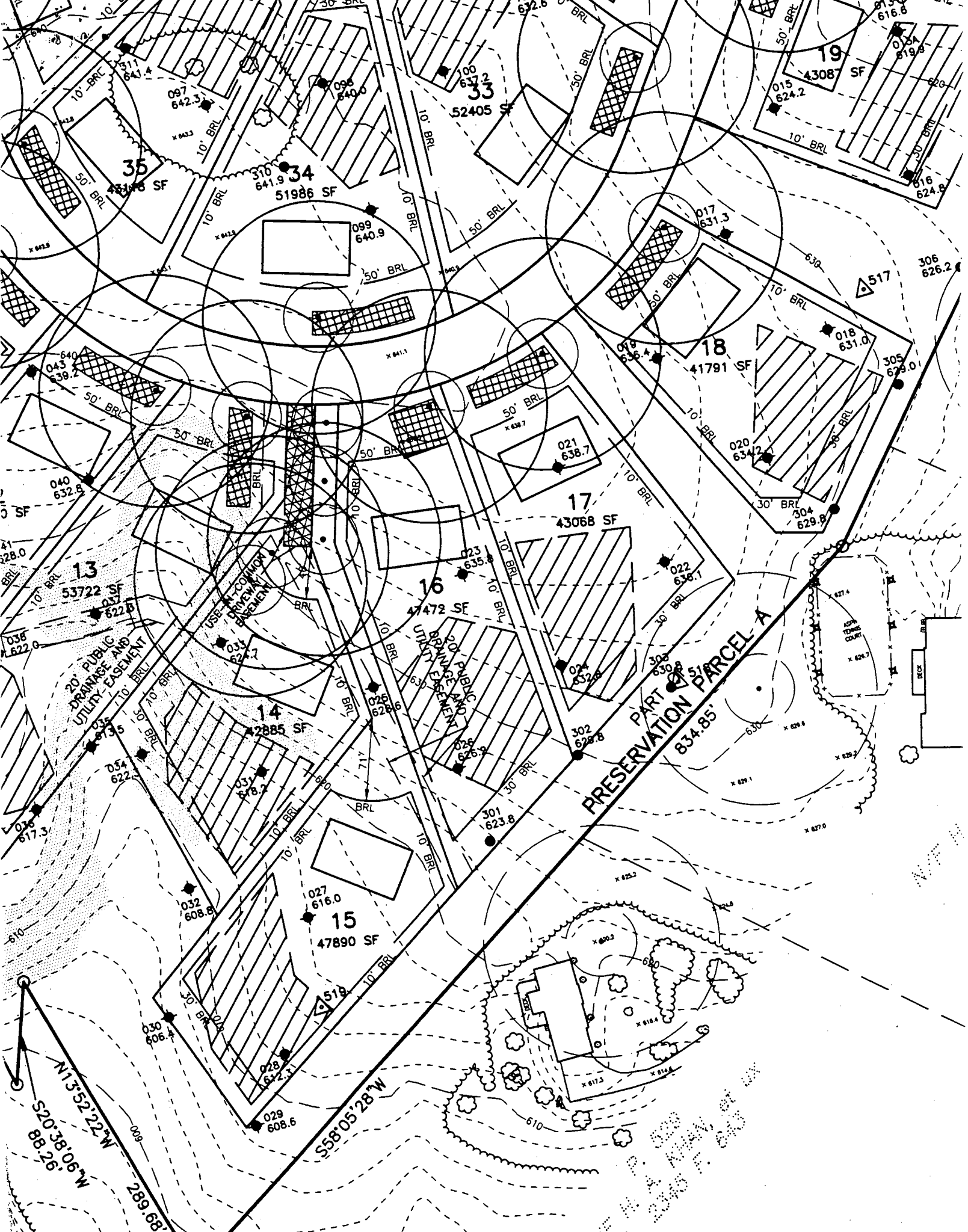
15  
47890 SF

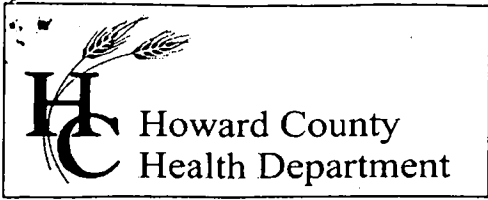
PART OF PRESERVATION PARCEL A  
834.85'

N13°52'22"W  
S20°38'06"W  
88.26'  
289.68'

S58°05'28"W

610  
620  
630  
640  
650  
660  
670  
680  
690  
700





7178 Columbia Gateway Drive, Columbia Maryland 21046  
(410) 313-1771 Fax (410) 313-2648  
TDD (410) 313-2323 Toll Free 1-866-313-6300  
website: www.hchealth.org

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

February 9, 2005

Columbia Builders, Inc.  
P.O. Box 999  
Columbia, MD 21044

FACSIMILE SENT 410-992-3020

RE: Buckskin Ridge, Lot 17  
4293 Buckskin Wood Drive  
Ellicott City, MD 21043  
BP #: B00149363  
Well Permit # HO-94-3171

Dear Sir:

This is to advise you that the septic system for the above referenced property has been installed and inspected. **Final approval of the septic system was granted on 10/19/2004. Final approval of the well line connection to the dwelling was approved on 10/19/2004.**

The water sample results indicate that the water samples submitted for testing were free of coliform and fecal coliform bacteria at the time of sampling and are bacteriologically safe for drinking. The water sample results were found to be in compliance with COMAR water quality standards.

**INTERIM CERTIFICATE OF POTABILITY**

This certifies that the initial sampling requirements of COMAR 26.04.04 "Well Regulations" have been met for the water supply system installed under well permit #HO-94-3171. Although the submitted sample results are in compliance with COMAR standards, the Health Department does not guarantee water supplies. Based upon satisfactory investigation and evaluation, the Howard County Health Department as authorized by the Maryland Department of the Environment accepts this well system as required by COMAR 26.04.04.

This certificate may become final upon completion of the second bacteriological test, which is to be taken by the county health department within six months of receipt of this letter. **Please contact (410) 313-1773 to schedule a final water sample appointment. Currently, there is no charge for this final sampling.**

Date of Water Samples: 01/26/2005 & 02/04/2005  
Date of Well Completion: 10/01/2001

Approving Authority,  
*Brian Baker*  
Brian Baker, R. S.  
Well & Septic Program

cc: Building Inspector's Office  
Community Health Services  
File



LAYOUT 10/19/04 INSP 4 \_\_\_\_\_  
 INSP 2 10/19/04 INSP 5 \_\_\_\_\_  
 INSP 3 \_\_\_\_\_ INSP 6 \_\_\_\_\_

ISSUE DATE: 10/14/04  
 APPROVAL DATE: 10/19/04

# PERMIT

P 521539  
 A 513618-R

**ON-SITE SEWAGE DISPOSAL SYSTEM  
 HOWARD COUNTY HEALTH DEPARTMENT  
 BUREAU OF ENVIRONMENTAL HEALTH  
 3525-H ELLICOTT MILLS DRIVE, ELLICOTT CITY, MD 21043**

**INDEXED**

Hatfields Equipment IS PERMITTED TO INSTALL  ALTER

ADDRESS: 13785 Burntwoods Road PHONE NUMBER: 410-531-6773

SUBDIVISION: Buckskin Ridge LOT NUMBER: 17

ADDRESS: 4293 Buckskin Wood Drive PROPERTY OWNER: Columbia Builders, Inc.

SEPTIC TANK CAPACITY (GALLONS): 1250 OUTLET BAFFLE FILTER REQUIRED

PUMP CHAMBER CAPACITY (GALLONS): N/A COMPARTMENTED TANK REQUIRED

NUMBER OF BEDROOMS: 4

SQUARE FEET PER BEDROOM: 180

LINEAR FEET OF TRENCH REQUIRED: 120 <sup>150</sup> HOUSE SERVED BY PUBLIC WATER

TRENCHES:	Trench to be <sup>2</sup> 3.0 feet wide. Inlet 4.0 feet below original grade. Bottom maximum depth <sup>6.5</sup> 7.0 feet below original grade. Effective area begins at 4.0 feet below original grade. <sup>2.5</sup> 3.0 feet of stone below distribution pipe.
LOCATION:	Place the distribution box at the highest elevation in the approved SDA. <u>(2) 90's</u>
NOTES:	

PLANS APPROVED: Kevin J. Bell KA DATE: 7/19/04

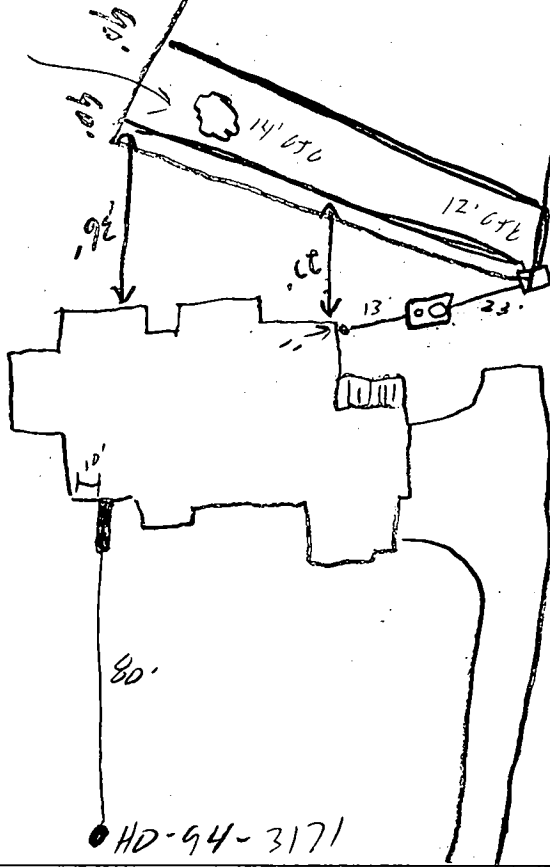
NOTES: PERMIT VOID AFTER 2 YEARS  
 CONTRACTOR IS RESPONSIBLE FOR SCHEDULING A PRE-CONSTRUCTION INSPECTION FOR ALL INSTALLATIONS  
 WATERTIGHT SEPTIC TANKS REQUIRED  
 ALL PARTS OF SEPTIC SYSTEM SHALL BE 100 FEET FROM ANY WATER WELL UNLESS SPECIFICALLY AUTHORIZED  
 MANHOLE RISERS REQUIRED ON ALL SEPTIC TANKS AND PUMP CHAMBERS UNLESS SPECIFICALLY AUTHORIZED  
 CONTRACTOR RESPONSIBLE FOR COMPLIANCE WITH APPLICABLE REGULATIONS, GUIDELINES AND THE TERMS OF THIS PERMIT

**NEITHER THE HOWARD COUNTY COUNCIL OR THE HEALTH DEPARTMENT IS  
 RESPONSIBLE FOR THE SUCCESSFUL OPERATION OF ANY SYSTEM  
 PERMITTEE RESPONSIBLE FOR OBTAINING FINAL APPROVAL ON THIS PERMIT  
 CALL 410-313-2640 FOR INSPECTION OF SEPTIC SYSTEM  
 DO NOT LEAVE ANY REQUEST FOR INSPECTION ON VOICEMAIL**

AST 3408R  
 A513618R

NOT TO SCALE

Big Tree



TRENCH/DRAINFIELD		
WIDTH	INLET	
2'	4'	6.5'
NUMBER OF TRENCHES 2		
TOTAL LENGTH 180'		
ABSORPTION AREA 450 $\phi$		
DISTRIBUTION BOX LEVEL <input checked="" type="checkbox"/>		
DISTRIBUTION BOX BAFFLE <input checked="" type="checkbox"/>		
DISTRIBUTION BOX PORT <input type="checkbox"/>		

SEPTIC TANK DATA		
SEPTIC TANK 1 LEVEL <input checked="" type="checkbox"/>		
CAPACITY	1500	GAL
SEAM LOC	Top	
TANK LID DEPTH	2	
BAFFLES	<input checked="" type="checkbox"/>	
BAFFLE FILTER		
MANHOLE LOC	Back	
6" PORT LOC	Front	
WATERTIGHT TEST <input checked="" type="checkbox"/>		
SEPTIC TANK 2 LEVEL <input type="checkbox"/>		
CAPACITY		GAL
SEAM LOC		
TANK LID DEPTH		
BAFFLES	MP	
BAFFLE FILTER		
MANHOLE LOC		
6" PORT LOC		
WATERTIGHT TEST <input type="checkbox"/>		

PRE-CONSTRUCTION 10/18/04 - SRA staked, contour accurate, owner asked for spec changed to do 2 trenches, changed per permit (50)

INSTALLATION 10/19/04 - Complete system installed. OK to cover all work (50)

FINAL INSPECTOR *[Signature]*

DATE OF APPROVAL 10/19/04