

APPLICATION

10/11/00
10:00

PERCOLATION TESTING

A 514251-A

HOWARD COUNTY HEALTH DEPARTMENT
BUREAU OF ENVIRONMENTAL HEALTH
3525-H ELLICOTT MILLS DRIVE/ELLICOTT CITY, MARYLAND 21043
TELEPHONE: 313-2840

Proposal - subdivision
Intent regarding ex.
house is uncertain

P _____
DISTRICT 3RD
DATE 9/12/00

TO: THE COUNTY HEALTH OFFICER
ELLICOTT CITY, MARYLAND

9/18/01 - Tim Feaga reports
this parcel is ex. parcel of record

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

PROPERTY OWNER QUINTON FERGUSON
11345 FREDERICK ROAD
ADDRESS ELLICOTT CITY, MD 21042 PHONE 410 531-2549

AGENT OR PROSPECTIVE BUYER BRANTWOOD LLC
8835-D COLUMBIA 100 PARKWAY
ADDRESS COLUMBIA, MD 21045 PHONE 410 730-5612

PROPERTY LOCATION:

SUBDIVISION FERGUSON PROPERTY LOT NO. 1

ROAD AND DESCRIPTION SOUTH SIDE OF FREDERICK ROAD (ROUTE 144) 500'± WEST OF
MARRIOTTSVILLE ROAD

TAX MAP 16 PARCEL # 147 6d 20

SIZE OF LOT 3 ACRE ± TYPE BLDG. SINGLE FAMILY DETACHED
(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.

Bugh T. Cole, Jr.
(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

A 514251-A

COUNTY #

SOIL PROFILE #1

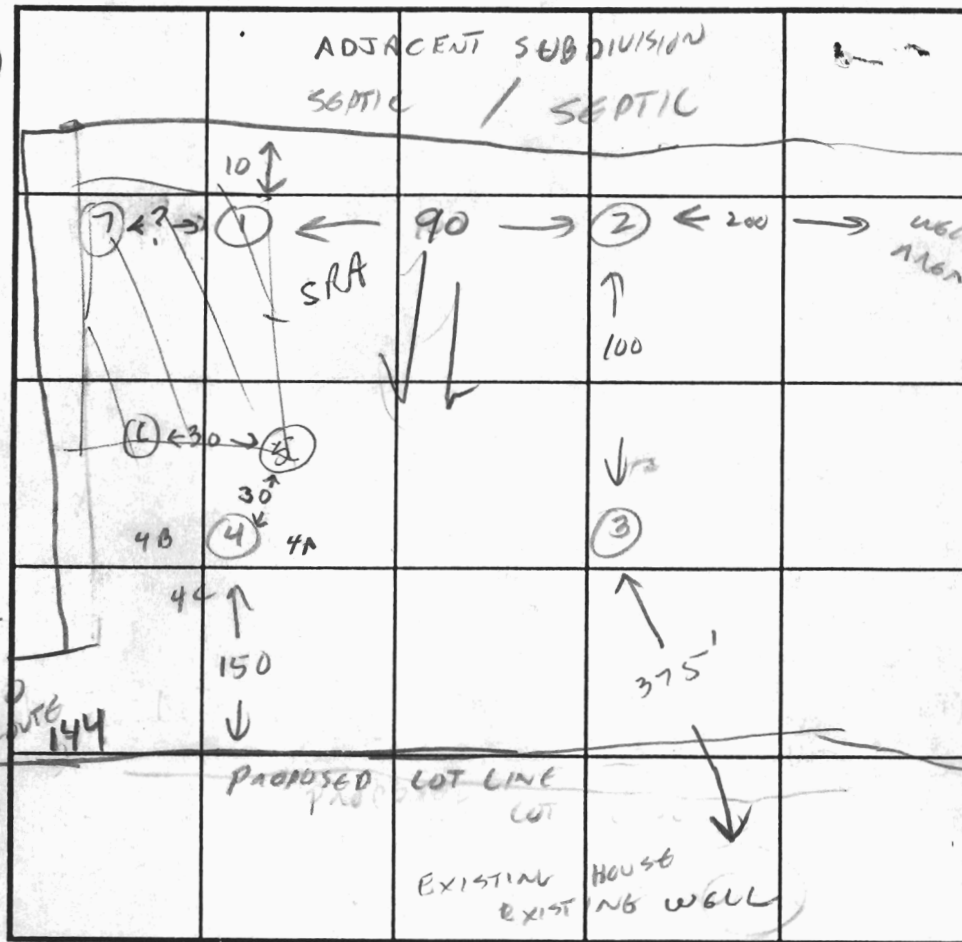
0'

HIGHLY STRUCTURED
CLAYEY MICA LOAM
→ 2
MASSIVE CLAY LOAM
→ 4 1/2
MICA SILT
5-10% SHALLOWS
→ 12

← 70
ROUTE 144
SIMILAR TO 1 BUT LESS MASSIVE CLAY

4, 4A, 4B, 4C
ABANDONED, ALL HOLES SHALEY STARTING FROM 5 1/2 - 6 1/2' DEEP

ADJACENT SUBDIVISION
SEPTIC / SEPTIC



WELL SOIL PROFILE

5

CLAYEY
→ 5 1/2
MICA SILT LOAM
→ 9
SOLID ROCK

← TO SENEGA CHIEF TRAIL
CLAYEY LOAM (6, 7)
→ 4
SILT LOAM
HARD BOTTOM - 10

INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
10/11/00	1	5'	10:46	10:47	10:47	10:48	1 MIN ✓
		OK 5-12'					
	2-3	3 1/2'	10:53	10:54	10:54	10:56	2 MIN
		OK 3-12'					
	3	3'	11:00	11:02	11:02	11:07	5 MIN
		OK 3-12'					
	5	5'	11:13	11:27	11:27	11:50	23 MIN ✓
	6	5'	11:36	11:37	11:37	11:38:40	≤ 2 MIN ✓
	7	VIS OK 4-12' (HOLES 6 & 7)					✓

REMARKS: HOLE 5 IS CRITICAL HOLE; BAND OF CLAYEY MATERIAL @ 3 1/2 - 5 1/2' PERC'D SUFFICIENTLY TO SUSTAIN TRENCH INSTALLATION AT THAT DEPTH.

TESTED BY CWELL ALSO PRESENT COLE, CIPRINI, ROSE, FLYCK

TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME 15 MIN TRENCH WIDTH 3

INLET DEPTH 3 1/2 MAXIMUM BOTTOM DEPTH 5 1/2 SQ. FT./BEDROOM 180
REPAIRS 3 5 210

1-30
1/8/02

APPLICATION

PERCOLATION TESTING

A 516407

P _____

HOWARD COUNTY HEALTH DEPARTMENT
BUREAU OF ENVIRONMENTAL HEALTH
3525-H ELLICOTT MILLS DRIVE/ELLICOTT CITY, MARYLAND 21043
TELEPHONE: 410-313-2640

DISTRICT _____

DATE 11/5/01

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 Barry Lake

ADDRESS 3187 Sonia Trail, Ellicott City, MD 21042 PHONE 410-418-5227 fax ^{854-7070 voice}

AGENT OR PROSPECTIVE BUYER Heritage Land Development / LDE

ADDRESS 3060 Washington Rd., Suite 220, Glenwood, MD 21738 PHONE 410-489-7900

PROPERTY LOCATION:

SUBDIVISION Ferguson Property LOT NO. 1

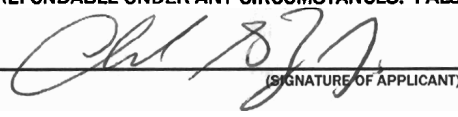
ROAD AND DESCRIPTION _____

Reperc of Lot 1, Ferguson Property, Route 144, Ellicott City, MD 21042

TAX MAP NO. 16 PARCEL # 147

SIZE OF LOT 3.32 acres TYPE OF BLDG. SFD
(SINGLE FAMILY DWELLING OR COMMERCIAL)

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(SIGNATURE OF APPLICANT)

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COUNTY #

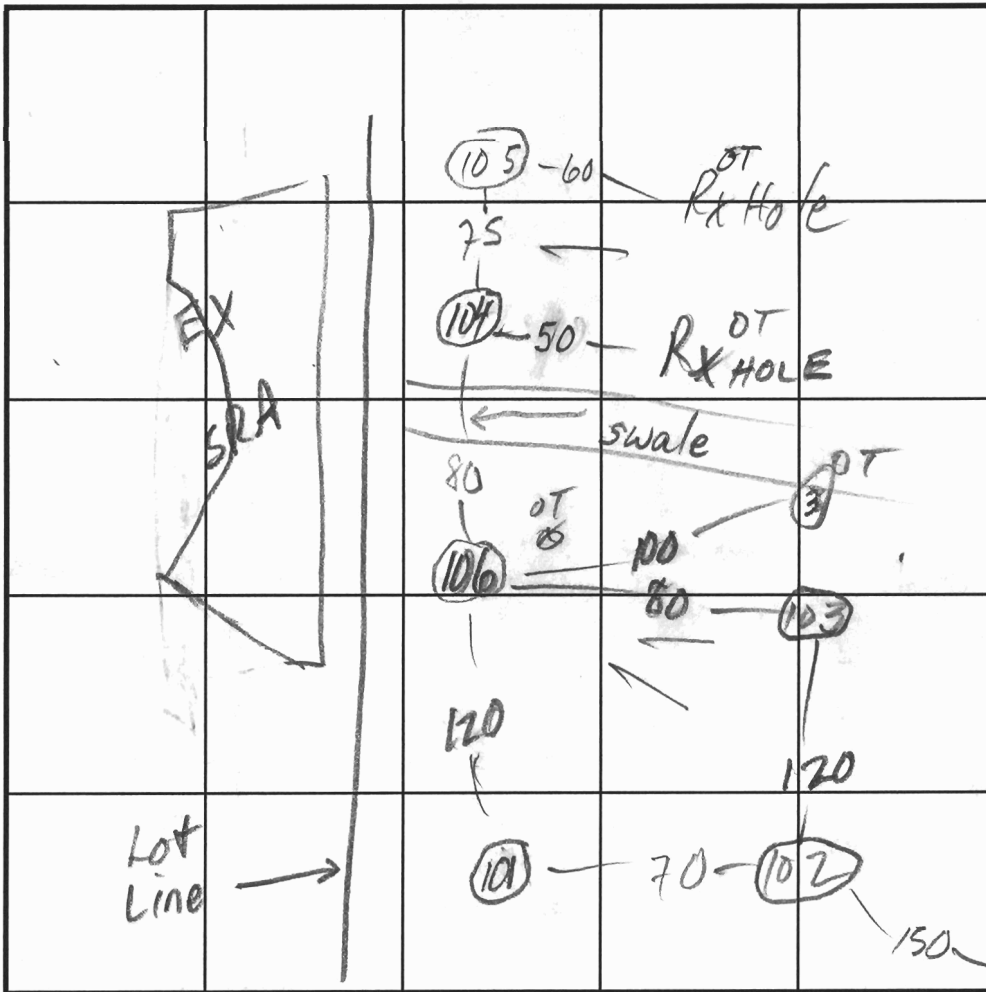
SOIL PROFILE

0' 101 102

tan pink
sac l m
3
4
tan pink
sa l m
10-15%
frags
14

106
tan brn
sa cl l m
3
tan
dark brn
sa mica
l m
10-20%
frags
14

105
orge
brn
cl l m
3 1/2
-4
tan brn
sa mica
l m
5-15%
frags
14



SOIL PROFILE

0' 104

tan
sacl m
20% frags
3 1/2
tan
sa mica
l m
10-35%
frags
↑ w/depth
12 1/2

EX. WELL
HO-94-3098

INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME	
			START	STOP	START	STOP		
1/8/02	105 ✓	14 1/2	OK NOT IN PATTERN					
	104 ✓	12 1/2	MARGINAL NOT TESTED					
	106 S ✓	4 / 14	2:40:50 2:42:15	2:42:55	2:42:55 2:43:25	2:41:45 2:43:25	FAST 40 sec	
	106 S	4	2:44:00 2:46:05	2:44:45 2:46:50	2:44:45 2:46:50	2:45:35 2:46:45	50 sec 55 sec	
	106 S	4 (CUBE)	3:08:20	3:09:10	3:09:10	3:11	2+	
	101 S ✓	4 1/2 / 14	3:18:50	3:26:40	3:20	3:24	4	
	102 S ✓	4 1/2 / 14	3:32:55	3:33:55	3:33	3:35	2	
	103 S ✓	4 / 13	2:52:15 2:58:00	2:53:20 3:00:00	2:53:20 3:00:00	2:54:10 3:02	50 sec 2+	

REMARKS SHALLOW SYSTEM ONLY

TYPE OF SOIL

TESTED BY Mc Ritkin

TRENCH DESIGN DATA: AVG. PERCOLATION TIME

INLET DEPTH 2'

MAXIMUM BOTTOM DEPTH

2' 4'

ALSO PRESENT

TRENCH WIDTH

SQ. FT./BEDROOM

Justin
7
180

QUINTON/FERGUSON
227/335
Zoned RC

LOT
1
3.32 Ac ±

A514251 A
PREV. APPROVED
11/29/00

CgB2

EXISTING HOUSE
Gar.

located
existing
abandoned
Clay

PROPOSED
DWELLING
FF520.00
BF512.00
#5C
Clay
19.70

PROPOSED
DWELLING
FF540.00
BF532.00
Gar.

ChC2

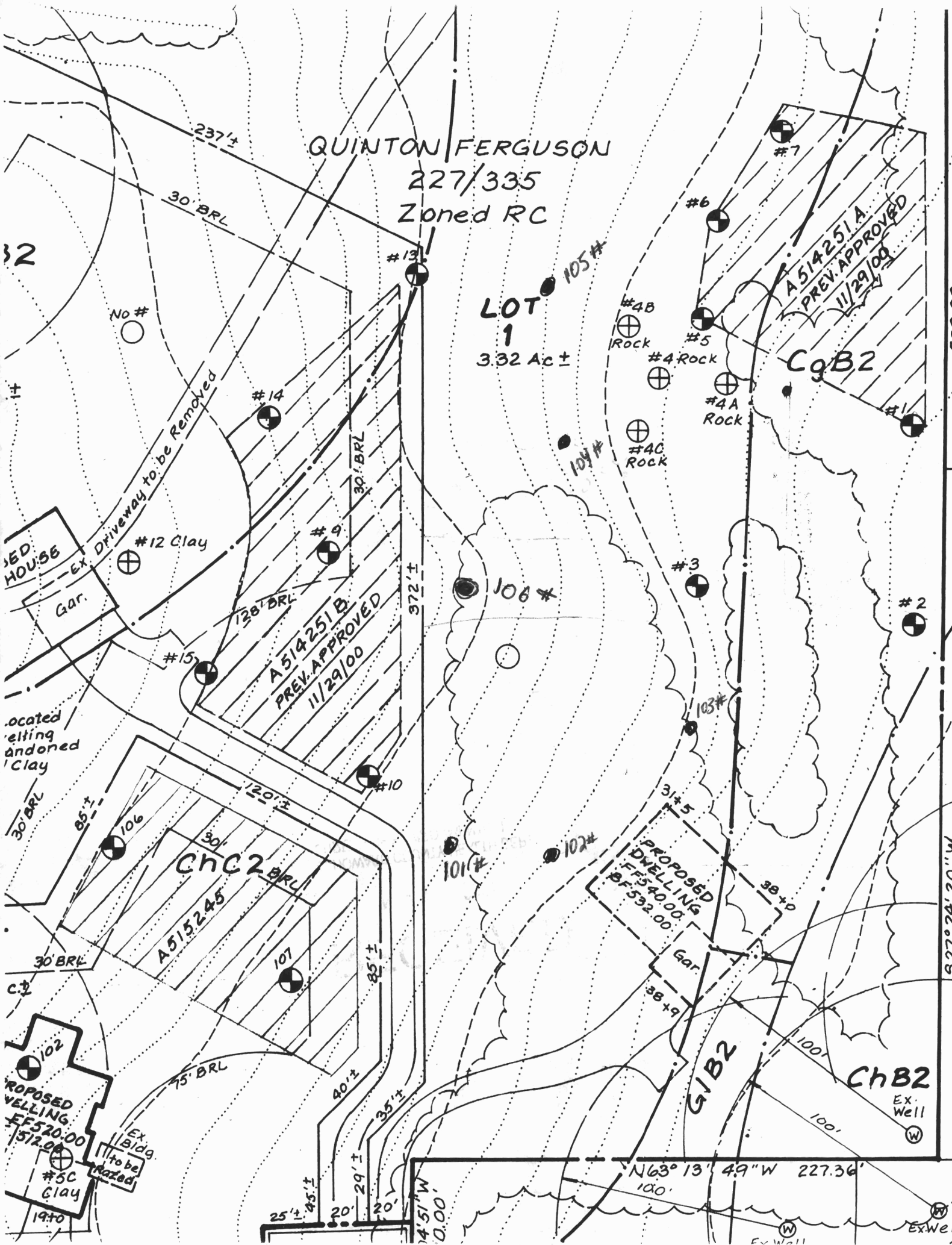
A515245

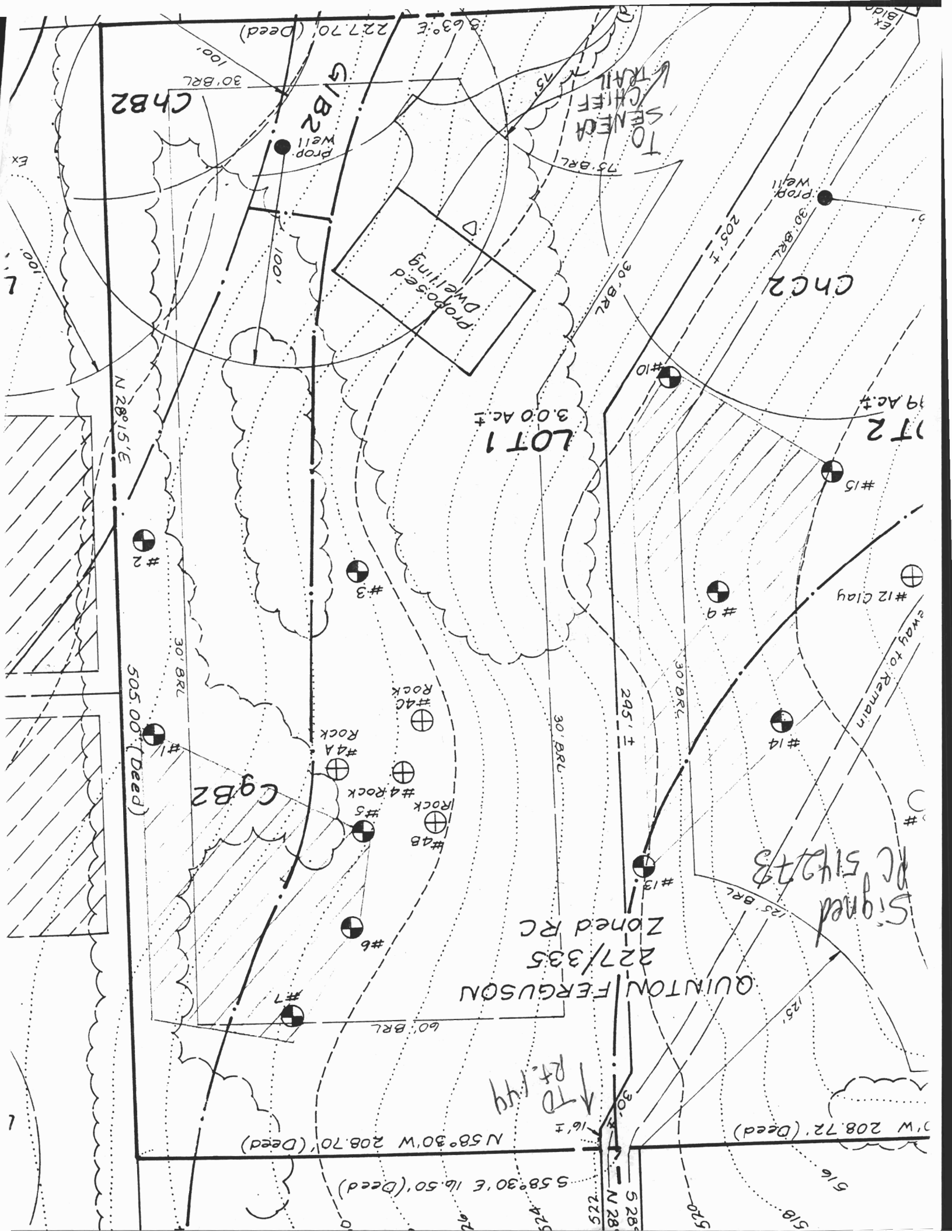
G/B2

ChB2

Ex. Well

Ex. Well





LOT 1
3.00 Ac. ±



CHB2

G1B2

CHC2

G9B2

QUINTON/FERGUSON
227/335
Zoned RC

Signed
RC 5/4/21

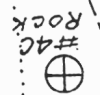
N 28° 15' E

505.00' (Deed)

N 58° 30' W 208.70' (Deed)

S 58° 30' E 16.50' (Deed)

N 208.72' (Deed)



TD
Rt. 149

Proposed Driveway

TO TRAIL CHIEF

Driveway to Remain

EX

19 Ac. ±

12

#

516

518

520

N 28°

528

425

525

Ex

Prop. Well

Prop. Well

30' BRL

227.70' (Deed)

100'

100'

100'

100'

100'

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100'

100'

100'

100'

30' BRL

205' ±

30' BRL

295' ±

30' BRL

30' BRL

125' BRL

125'

125'

16' ±

30'

30'

30'

30'

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30' BRL

ChB2

PARCEL 147

3.32 Ac. ±
L. 5589 F. 97

417.26'

N 35° 55' 32" W

60 BRL

237.03'

PARCEL 489
L. 5511 F. 580

Ex. Septic
Esmt.
A514251B

Ex Septic
Esmt.
A514251A

To be
abandoned

#4B
Rock

#4
Rock

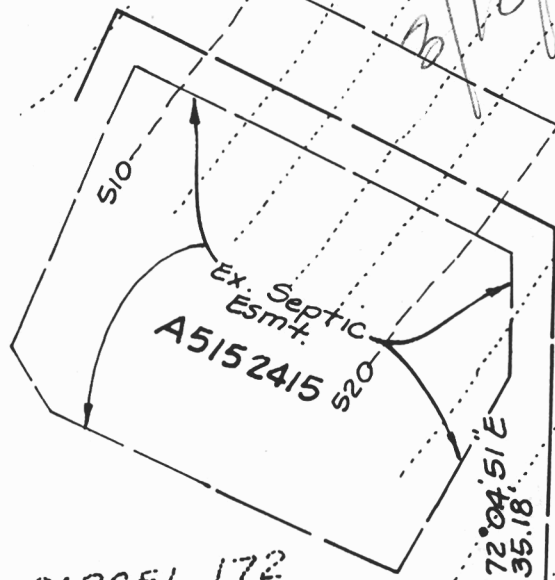
#4C
Rock

#4A
Rock

ChC2

C9B2

PC sent
for sig
m/g



PARCEL 172
L. 5398 F. 580

N 27° 43' 59\"/>

N 72° 04' 51\"/>

N 27° 04' 51\"/>

101

106

104

105

103

102

PROPOSED
DWELLING

110' BRL

30' BRL

100' R.

Ex. Well

#2

#1

509.89'

S 27° 24' 20\"/>

227.36'

N 03° 13' 49\"/>

S 27° 04' 51\"/>

LEGEND

- #4A PREVIOUS TEST - FAIL
- #6 PREVIOUS TEST - PASS
- 1003 NEW TEST - PASS
- 1004 NEW TEST - FAIL
- SOILS LINE

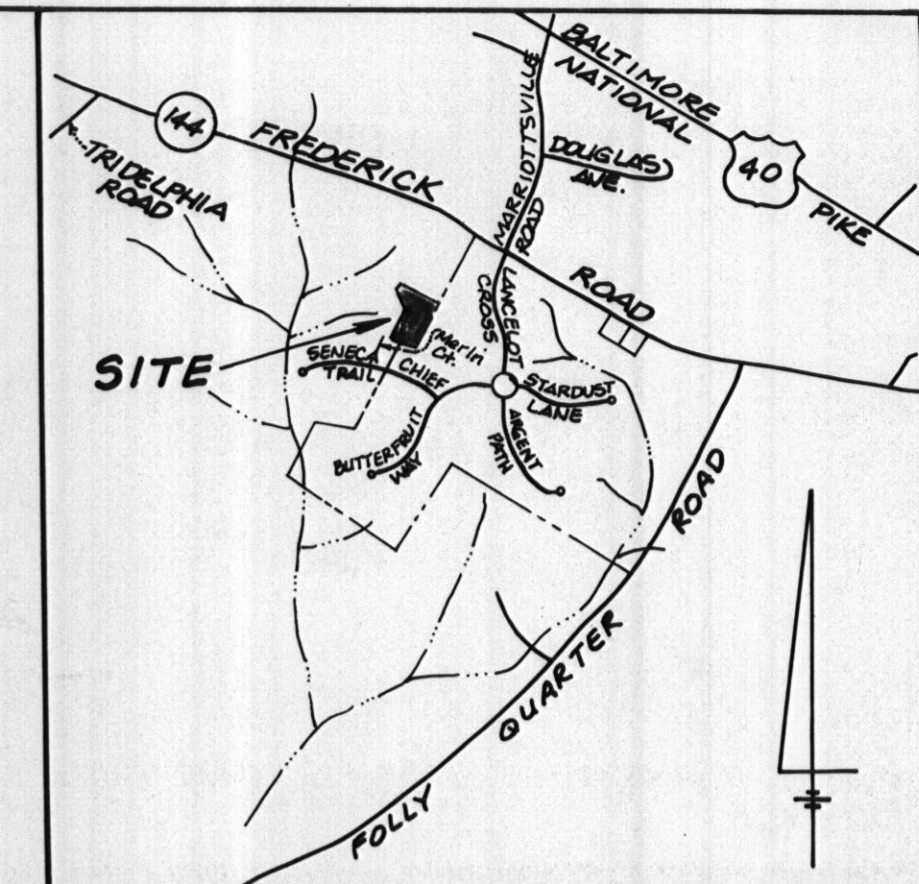
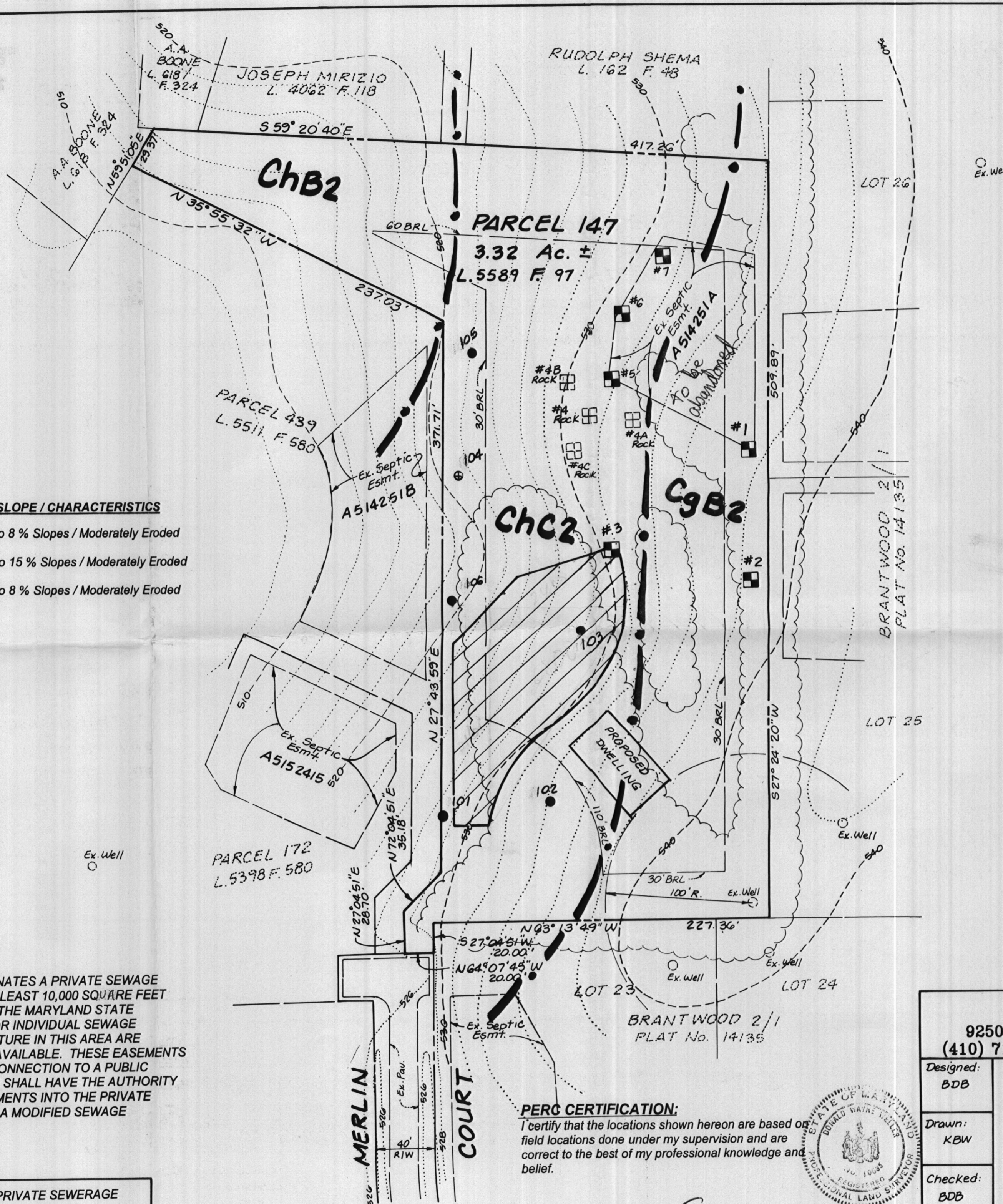
SOILS LEGEND

SYMBOL	NAME	SLOPE / CHARACTERISTICS
ChB2	Chester Silt Loam	3 to 8 % Slopes / Moderately Eroded
ChC2	Chester Silt Loam	8 to 15 % Slopes / Moderately Eroded
CgB2	Chester Gravelly Silt Loam	3 to 8 % Slopes / Moderately Eroded

THIS AREA DESIGNATES A PRIVATE SEWAGE EASEMENT OF AT LEAST 10,000 SQUARE FEET AS REQUIRED BY THE MARYLAND STATE DEPARTMENT OF THE ENVIRONMENT FOR INDIVIDUAL SEWAGE DISPOSAL. IMPROVEMENTS OF ANY NATURE IN THIS AREA ARE RESTRICTED UNTIL PUBLIC SEWAGE IS AVAILABLE. THESE EASEMENTS SHALL BECOME NULL AND VOID UPON CONNECTION TO A PUBLIC SYSTEM. THE COUNTY HEALTH OFFICER SHALL HAVE THE AUTHORITY TO GRANT VARIANCES FOR ENCROACHMENTS INTO THE PRIVATE SEWAGE EASEMENT. RECORDATION OF A MODIFIED SEWAGE EASEMENT SHALL NOT BE NECESSARY.

APPROVED: FOR PRIVATE WATER AND PRIVATE SEWERAGE
HOWARD COUNTY HEALTH DEPARTMENT

3/20/02
HOWARD COUNTY HEALTH OFFICER MR DATE



VICINITY MAP
Scale: 1" = 2000'

NOTES:

1. EXISTING ZONING: RC (RURAL CONSERVATION)
2. DEED REFERENCE: LIBER 5589 FOILIO 97
3. TOTAL AREA OF LOTS: 3.32 AC. +/-
4. THE LOTS SHOWN COMPLY WITH THE MINIMUM LOT AREA AND OWNERSHIP WIDTH AS REQUIRED BY THE MARYLAND STATE DEPARTMENT OF THE ENVIRONMENT.
4. EXISTING WELLS HAVE BEEN SHOWN WITHIN 100 FEET OF THE LOT WHICH MAY EFFECT THIS PROPOSAL.
5. THE TOPOGRAPHY SHOWN IS TAKEN FROM HOWARD COUNTY AERIAL TOPOGRAPHY AND THE AREA WITHIN THE SEWAGE DISPOSAL AREA HAS BEEN FIELD VERIFIED.
6. THE PARCELS SHOWN ON THIS PLAN HAVE BEEN CREATED BY DEED.

PERC CERTIFICATION:
I certify that the locations shown hereon are based on field locations done under my supervision and are correct to the best of my professional knowledge and belief.



2/18/02
D. Wayne Weller, Professional Land Surveyor
MD Reg. No. 10685 Date

Signed P.C. LDE, INC. 9250 Rumsey Road, Suite 106, Columbia, MD. 21045 (410) 715-1070 (301) 596-3424 (410) 715-9540 (Fax)		
Designed: BDB	REVISED PERCOLATION CERTIFICATION PLAN	Scale: 1" = 50'
Drawn: KBW	FERGUSON PROPERTY PARCEL 147	Drawing 1 of 1
Checked: BDB	TAX MAP 16 BLOCK 20 PARCEL 147 3RD ELECTION DISTRICT HOWARD COUNTY, MARYLAND	Job No. 02-003
Date: Feb. 2002	BUILDER/OWNER: BARRY LAKE 3187 Sonia Trail Ellicott City, MD 21042 (410) 979-9877	File No.