

LAYOUT: 5/8/02 2 PM INSP 4 5/14/02 2:30  
 INSP 2 5/9/02 10AM INSP 5 5/15/02 2:30  
 INSP 3 5/13/02 1:30 INSP 6 6/7/02 10:30

ISSUE DATE: 4/22/2002

APPROVAL DATE: 6/5/02

**PERMIT  
INDEXED**

P 516942

A 510571-I

RPS#  
337197

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

SOUTH CARROLL BACKHOE IS PERMITTED TO INSTALL  ALTER

ADDRESS: 4410 SALEM BOTTOM RD, 21157 PHONE NUMBER: 410-875-4197

SUBDIVISION: Brantwood 3/1 LOT NUMBER: 9

ADDRESS: 3056 Seneca Chief Trail PROPERTY OWNER: NVR, Inc.

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

PUMP CHAMBER CAPACITY (GALLONS): 1250 ~~N/A~~ COMPARTMENTED TANK REQUIRED

NUMBER OF BEDROOMS: 4

SQUARE FEET PER BEDROOM: 180

LINEAR FEET OF TRENCH REQUIRED: 240

TRENCHES:	Trench to be 3.0 feet wide. Inlet 2.0 feet below original grade. Bottom maximum depth 4.0 feet below original grade. Effective area begins at 2.0 feet below original grade. 2.0 feet of stone below distribution pipe.
LOCATION:	Place distribution box 195 feet from the front lot line and 10 feet off of the right 365' lot line. Run trenches on contour towards the house.
NOTES:	Trenches should be 10 feet center to center. Maintain 100 foot separation from the well and septic tank <u>Gravity Basement Service Not Proposed</u>

PLANS APPROVED: Brian Baker (K6) 2-11-02 DATE: 2/08/2002

- NOTE: PERMIT VOID AFTER 2 YEARS
- NOTE: CONTRACTOR RESPONSIBLE FOR SCHEDULING A PRE-CONSTRUCTION INSPECTION FOR ALL INSTALLATIONS
- NOTE: WATERTIGHT SEPTIC TANKS REQUIRED
- NOTE: ALL PARTS OF SEPTIC SYSTEM SHALL BE 100 FEET FROM ANY WATER WELL
- NOTE: MANHOLE RISERS REQUIRED ON ALL SEPTIC TANKS AND PUMP CHAMBERS UNLESS SPECIFICALLY AUTHORIZED

**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  
ALL 410-313-2640 FOR INSPECTION OF SEPTIC SYSTEM**

**BUILDING PERMIT SIGNED  
AND RETURNED 7/26/2002**  
800137707 DECK

A510571-I



# Approved Septic System Plan

## Howard County Health Department

*Brian Baker* 8/2/02  
 Signature Date

**NOTES:**

1. Existing Zoning: RC
2. Property address: 3056 Seneca Chief Trail
3. The Limit of Disturbance was approved under GP02-34
4. The proposed driveway for this lot shall be a minimum of 10' wide, 6" crusher run with 2-1/2" macadam surface.
5. The topography shown assumes proposed contours from the POF 67 plan are existing.
6. Driveway Entrance per Health Department Volume IV Standard Detail R 6.06.

Width of trench(es) 3 feet  
 Depth of trench(es) 4 feet  
 Depth of stone required below distribution pipe 2 feet

**SEPTIC SYSTEM DESIGN DATA:**

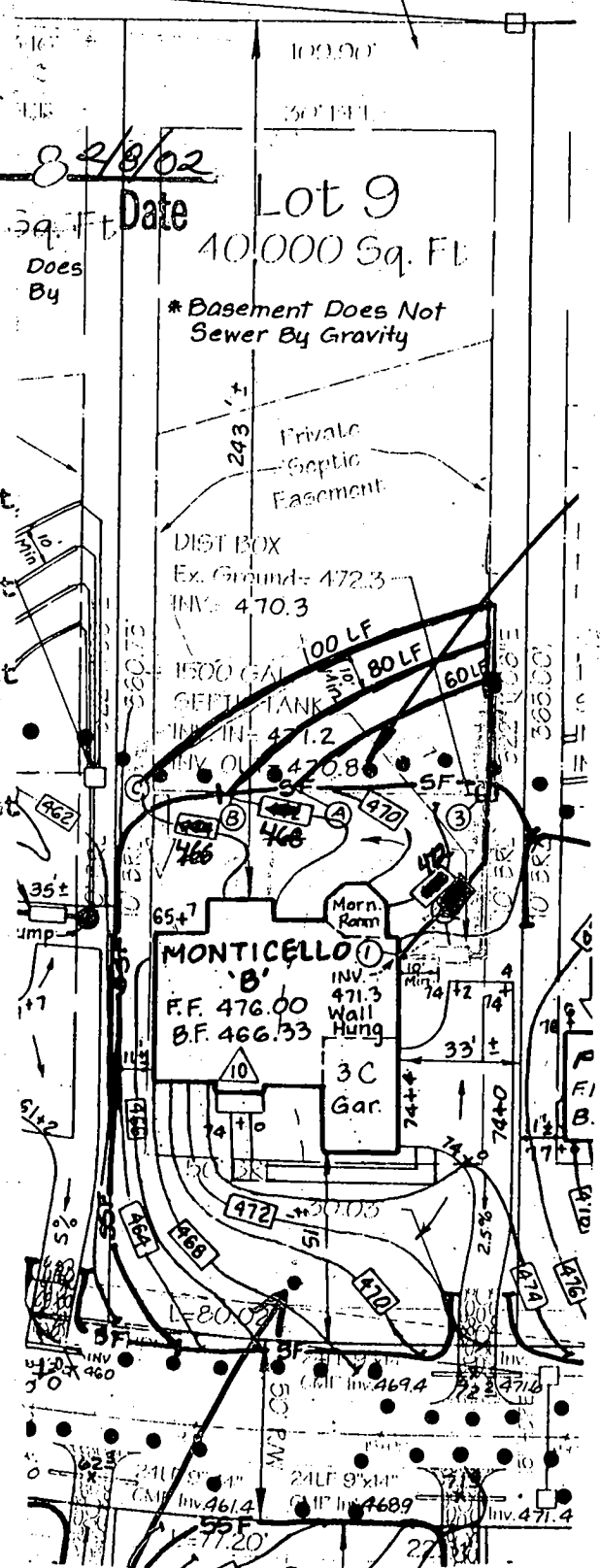
- ① Invert at Foundation Wall: 471.30 (Wall Hung) \*
  - ② 1500 Gallon Septic Tank (4 BR-Provide manhole to grade)  
 Existing Ground over Tank: 474.00  
 Proposed Grade over Tank: 474.00  
 Invert In: 471.20  
 Invert Out: 470.80
  - ③ Distribution Box: (4 Outlets Minimum)  
 Existing Ground Over Box: 472.30  
 Proposed Grade Over Box: 472.30  
 Invert In: 470.30
4. Trench Design:  
 (Per Health Department Septic Specifications)  
 = 180 SF per Bedroom x 4 Bedrooms = 720 SF  
 = 720 SF ÷ 3 ft Trench Width  
 = 240 LF of Trench REQ.

	(A)	(B)	(C)
Ex. Ground over Trench:	468.80	467.50	466.30
Invert Trench:	466.80	465.50	464.30
Bottom Trench:	464.80	463.50	462.30
Length of Trench:	60 LF	80 LF	100 LF
Width of Trench:	3 Ft.	3 Ft.	3 Ft.

NOTE: Trench Design may be revised at time of installation based on site conditions.

\* Requires Interior Pump Pit For Basement Service.

Not to Scale



SENECA CHIEF TRAIL  
 Approximate Well Location (EX. 50' R/W)

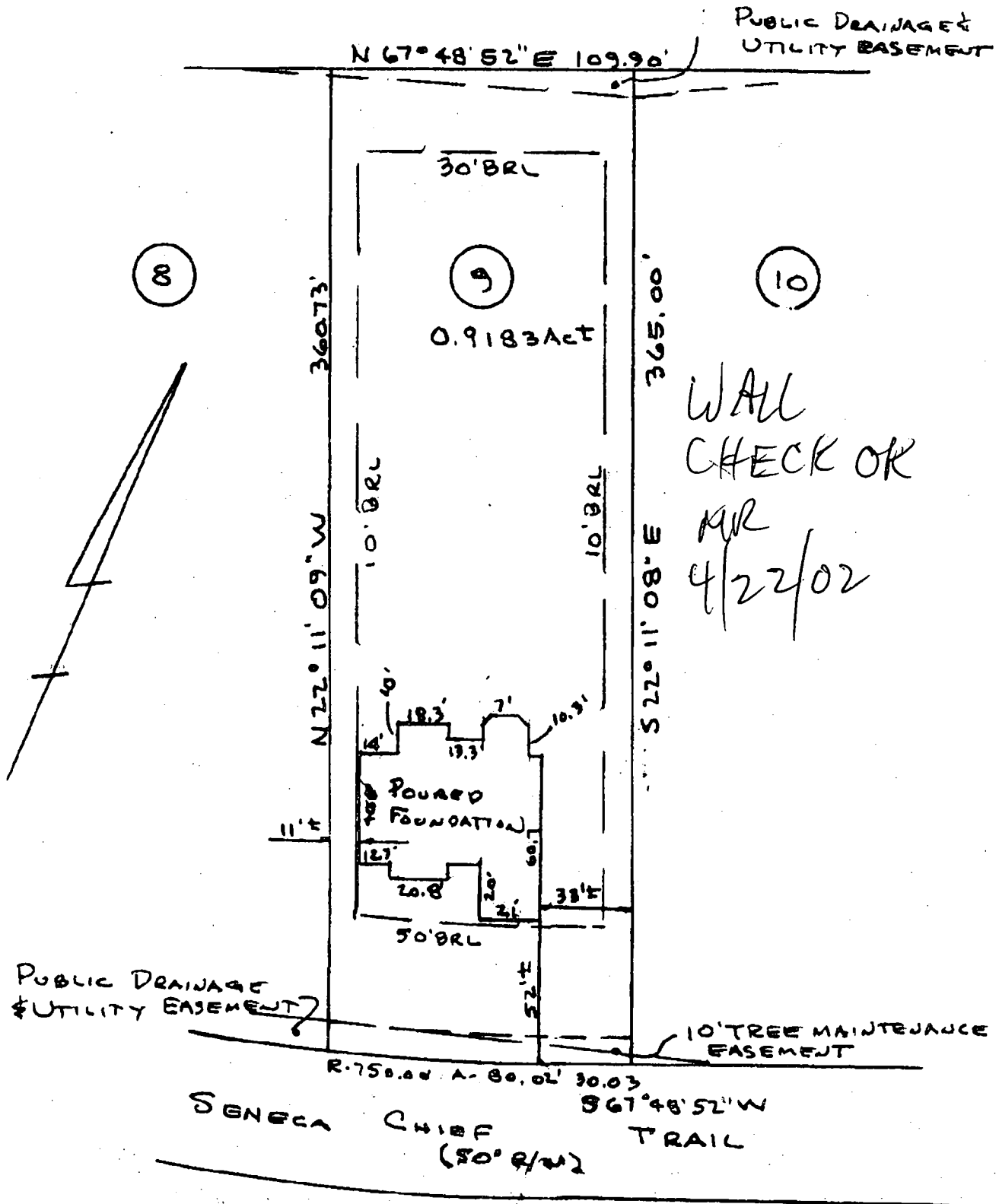
**LDE, Inc.**  
 0250 Rumsey Road, Suite 100  
 Columbia, Maryland  
 (410)715-1070 - (301)598-3424 - Fax(410)715-9540

Title: REVISION 10 TO GP 02-34  
 BRANTWOOD SECTION 3 AREA 1  
 LOT 9

Date: 12/21/01	Drawn: LDE	
Scale: 1" = 50'	LDE Job No.: 01-043	Sheet: 1 OF 1

PROPERTY KNOWN AS: LOT 9  
BRANTWOOD SEC THREE  
AREA ONE PLAT No. 14875  
3RD DIST. HOWARD Co., MD.

THIS PLAT CAN NOT BE USED TO ESTABLISH  
PROPERTY LINES OR CORNERS.



LOCATION DRAWING

TOP OF WALL 475.1

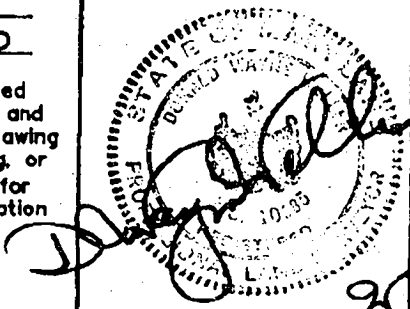
CERTIFICATION

SEAL

SCALE 1" = 50' DATE 4/8/02

This is to certify that I have surveyed the property known as: LOT 9  
SEC 3/1 BRANTWOOD

The information shown has been established by current acceptable survey procedures and from available record information. This drawing is to be used for Title Transfer Financing, or Refinancing Only and IS NOT to be used for the Establishment of Property Lines, Location for Fences, Garages, Buildings, or other Existing or Future Improvements.



LDE Inc.

9250 Rumsey Road Suite 106  
Columbia, Maryland 21045

(410) 715-1070 (Balt.)  
(301) 596-3424 (Wash)  
(410) 715-9540 (Fax)

ST/CO USE ONLY DATE Received MM DD YY **04-06-01** DATE WELL COMPLETED **04-06-01** Depth of Well **425'** PERMIT NO. FROM "PERMIT TO DRILL WELL" **HD-94-2953**

OWNER **Seneca Chief Trail BRANTWOOD LLC** STREET OR RFD **Seneca Chief Trail** TOWN **Ellicott City** SUBDIVISION **Brantwood** SECTION **311** LOT **9**

**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	
BROWN & BROWNISH ORANGE Silt SOIL	0	19'	
TANISH BROWN Silt SOIL	19'	28'	
ORANGE Silt SOIL	28'	40"	✓
WEATHERED TAN & ORANGE Rock	40'	65'	
MED HARD GRAY MICHA CRAG GREEN & WHITE LIMESTONE	65'	425'	

116' ✓  
165' ✓  
390' ✓

**GROUTING RECORD** YES  NO

WELL HAS BEEN GROUTED (Circle Appropriate Box) **Y** **N**

TYPE OF GROUTING MATERIAL (Circle one) **CEMENT CM** BENTONITE CLAY **BC**

NO. OF BAGS **19** NO. OF POUNDS **1780**

GALLONS OF WATER **114**

DEPTH OF GROUT SEAL (to nearest foot) from **0** ft. to **70'** ft. (enter 0 if from surface)

**CASING RECORD**

casing types insert appropriate code below

**ST** STEEL **CO** CONCRETE **PL** PLASTIC **OT** OTHER

MAIN CASING TYPE **PL** Nominal diameter top (main) casing (nearest inch)! **6"** Total depth of main casing (nearest foot) **70'**

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

**SCREEN RECORD**

screen type or open hole (insert appropriate code below) **ST** STEEL **BR** BRASS **HO** OPEN HOLE **PL** PLASTIC **OT** OTHER

**C3**

**PUMPING TEST**

HOURS PUMPED (nearest hour) **3**

PUMPING RATE (gal. per min.) **6**

METHOD USED TO MEASURE PUMPING RATE **WATER & BUCKET**

WATER LEVEL (distance from land surface)

BEFORE PUMPING **57'** ft.

WHEN PUMPING **331'** ft.

TYPE OF PUMP USED (for test)

**A** air **P** piston **T** turbine **C** centrifugal **R** rotary **O** other (describe below) **J** jet **S** **submersible**

NUMBER OF UNSUCCESSFUL WELLS: **0**

WELL HYDROFRACTURED **Y** **N**

**C2** DEPTH (nearest ft.) **70'** **425'**

E A C H S R E E N

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) **56** **60**

from to

**PUMP INSTALLED**

DRILLER INSTALLED PUMP (CIRCLE) (YES OR NO) 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 **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 **2'** (nearest foot) **-** below

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 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. **MWD 355**

DRILLERS SIGNATURE (MUST MATCH SIGNATURE ON APPLICATION)

LIC. NO. **MWD 546**

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

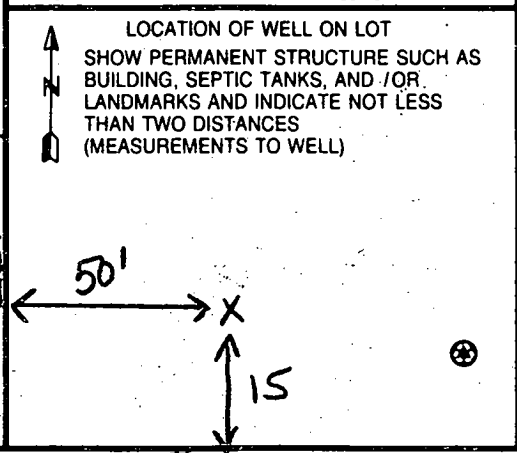
GRAVEL PACK IF WELL DRILLED WAS FLOWING WELL INSERT F IN BOX 68 **68**

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 03014

SEQUENCE NO. (MDE USE ONLY)

STATE OF MARYLAND PERMIT TO DRILL WELL

STATE PERMIT NUMBER

HO-94-2953

W514745 please print or type

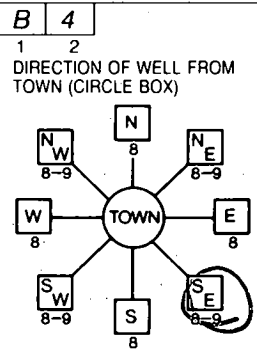
fill in this form completely

Date Received (APA) 1/16/01
OWNER INFORMATION
% Nick LiParini
BRANTWOOD LLC
8835-P Columbia 100 Parkway
Columbia MD 21045

B 3 Howard
LOCATION OF WELL
8 COUNTY 21
BRANTWOOD
23 SUBDIVISION 42
SECTION 3 LOT 9
Mayfield
52 NEAREST TOWN 71

DRILLER INFORMATION
Michael Barlow MW D355
Driller's Name License No.
Michael Barlow Well Drilling
Firm Name
522 Underwood Lane Bel Air MD 21014
Address
Signature Date 1-11-2001

MILES FROM TOWN (enter 0 if in town) 2
Seneca Chief trail
Butter Fruit Way
NEAR WHAT ROAD
ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX)
NORTH SOUTH WEST EAST
DISTANCE FROM ROAD 30 FT
ENTER FT OR MI
TAX MAP: BLK: PARCEL



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

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

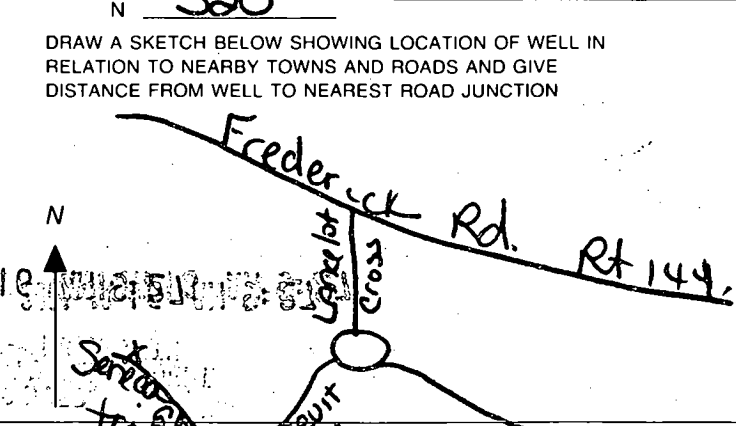
NOT TO BE FILLED IN BY DRILLER HEALTH DEPARTMENT APPROVAL
Howard CO AS10571I
COUNTY NAME COUNTY NO.
STATE SIGNATURE INSERT S
DATE ISSUED 1/25/01 A McMill 1/25/02
CO SIGNATURE EXP. DATE
NORTH GRID 520 000 EAST GRID 820 000

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

SHOW MAJOR FEATURES OF BOX & LOCATE WELL WITH AN X
4/5/01 X
SOURCES OF DRILLING WATER
1. Grout done without insp. calling in for SRU
2.
3.
WRITE THE BOX NUMBER FROM THE MAP HERE
E 820
N 520

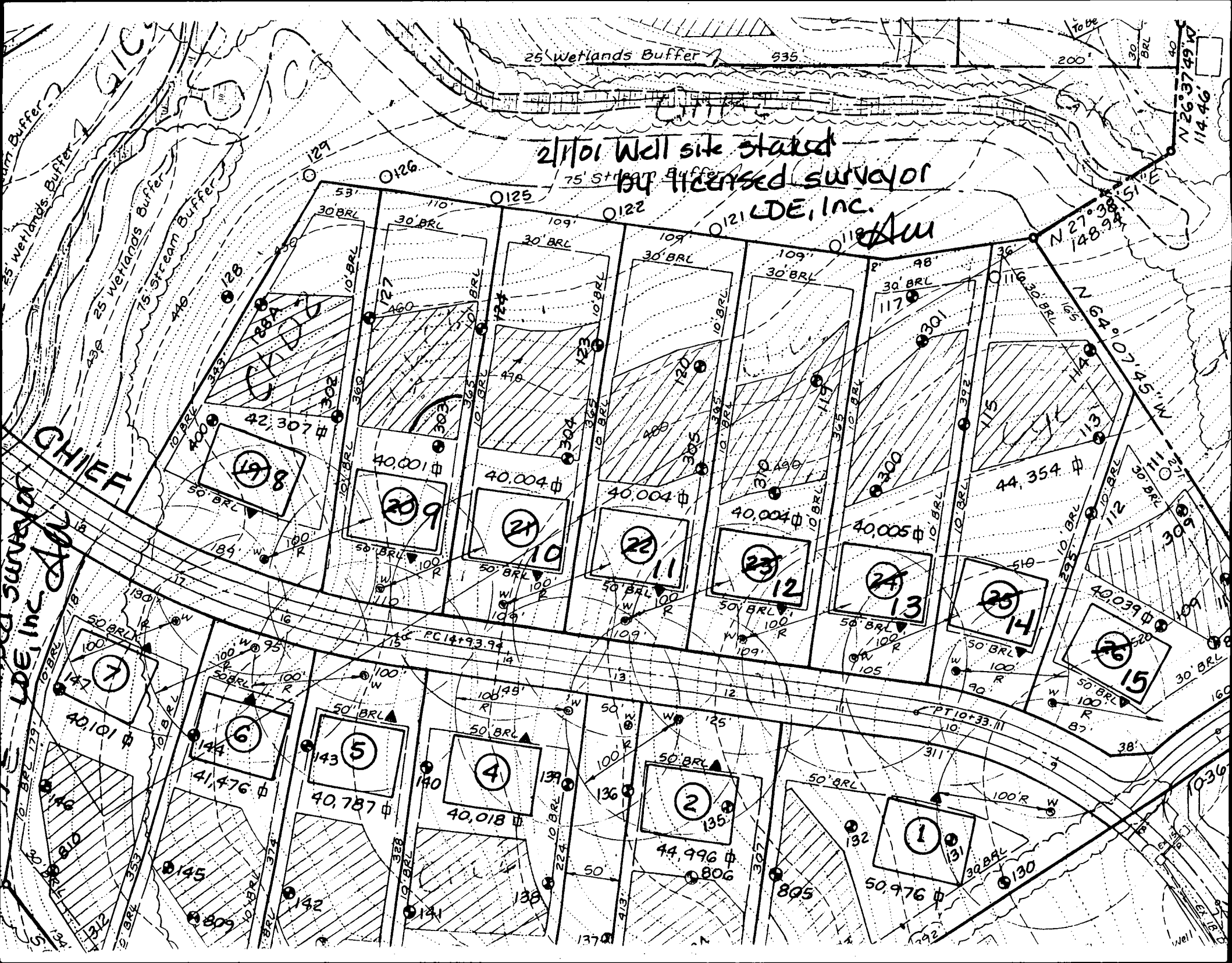
METHOD OF DRILLING (circle one)
BORED (or Augered) JETTED Jetted & DRIVEN
AIR-ROTARY AIR-PERCussion ROTARY (Hydraulic Rotary)
CABLE REVerse-ROTARY DRive-POINT
other

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)



Not to be filled in by driller (MDE OR COUNTY USE ONLY)
APPROP. PERMIT NUMBER H 098 GAR 60032
PERMIT No HO-94-2953

SPECIAL CONDITIONS
NOTE - APPROVING AUTHORITIES SHOULD USE SEPARATE SHT. IF NEEDED

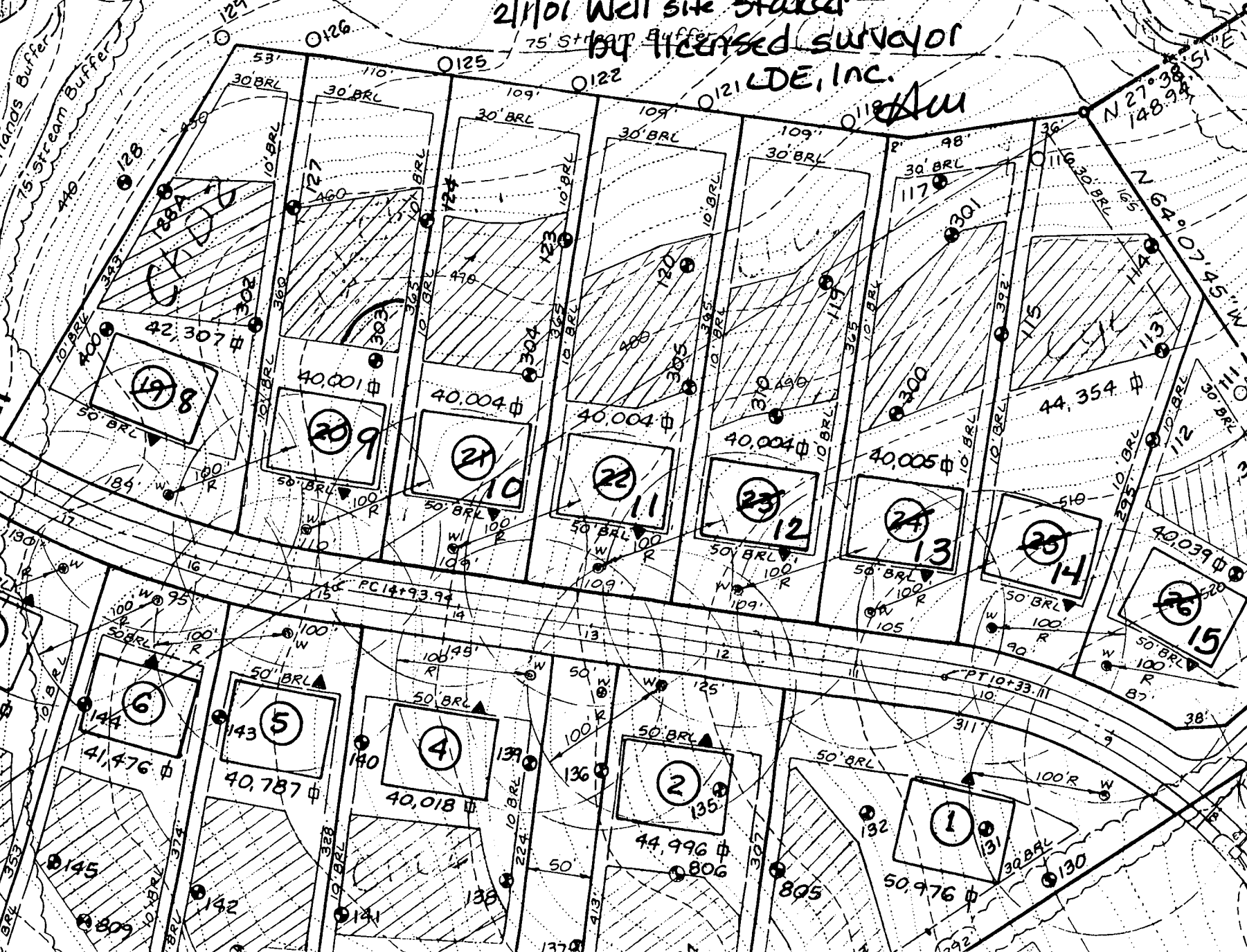


25 Wetlands Buffer 535

21101 Well site staked  
by licensed surveyor  
LDE, Inc.

75 Stream Buffer

LDE, Inc. Surveyor  
LDE, Inc.



0125

0122

0121

0118

0126

0127

0128

0129

200'

30' BRL

40'

N 26° 37' 49" W  
114.46'

N 27° 38' 15" E  
148.99'

N 64° 07' 45" W  
165'

N 64° 07' 45" W  
165'

N 64° 07' 45" W  
165'

N 64° 07' 45" W  
165'

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165'

N 64° 07' 45" W  
165'

N 64° 07' 45" W  
165'

N 64° 07' 45" W  
165'

CHIEF

198

209

2110

2211

2312

2413

2514

2615

7

6

5

4

2

1

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140

138

132

132

145

142

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# APPLICATION

PERCOLATION TESTING

A 510571 I

P \_\_\_\_\_

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

DISTRICT \_\_\_\_\_

DATE 7/17/98

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 George A. Garbutt

ADDRESS 11363 Frederick Rd., Ellicott City, MD 21042 PHONE \_\_\_\_\_

AGENT OR PROSPECTIVE BUYER Heritage Land Development

ADDRESS 3243 Bethany Lane, Ellicott City, MD 21042 PHONE 410-313-8808

PROPERTY LOCATION:

SUBDIVISION Brantwood II LOT NO. 20

ROAD AND DESCRIPTION 11363 Frederick Road, Ellicott City, MD 21042

TAX MAP 16 PARCEL # 172

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. \_\_\_\_\_ ✓

(SIGNATURE OF APPLICANT)

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

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

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

REASONS FOR REJECTION OR HOLDING Hold for wet season testing

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

510571 ±

COUNTY #

SOIL PROFILE

127

Orange  
brown  
cl lm

brown  
Siclm  
mica,  
quartz  
frags  
10%  
shale  
frags

126

brown  
orange  
Siclm  
damp  
Cave-in  
at  
4.0'

WATER

124

orange  
brown  
cl lm

brown  
Siclm  
quartz  
mica

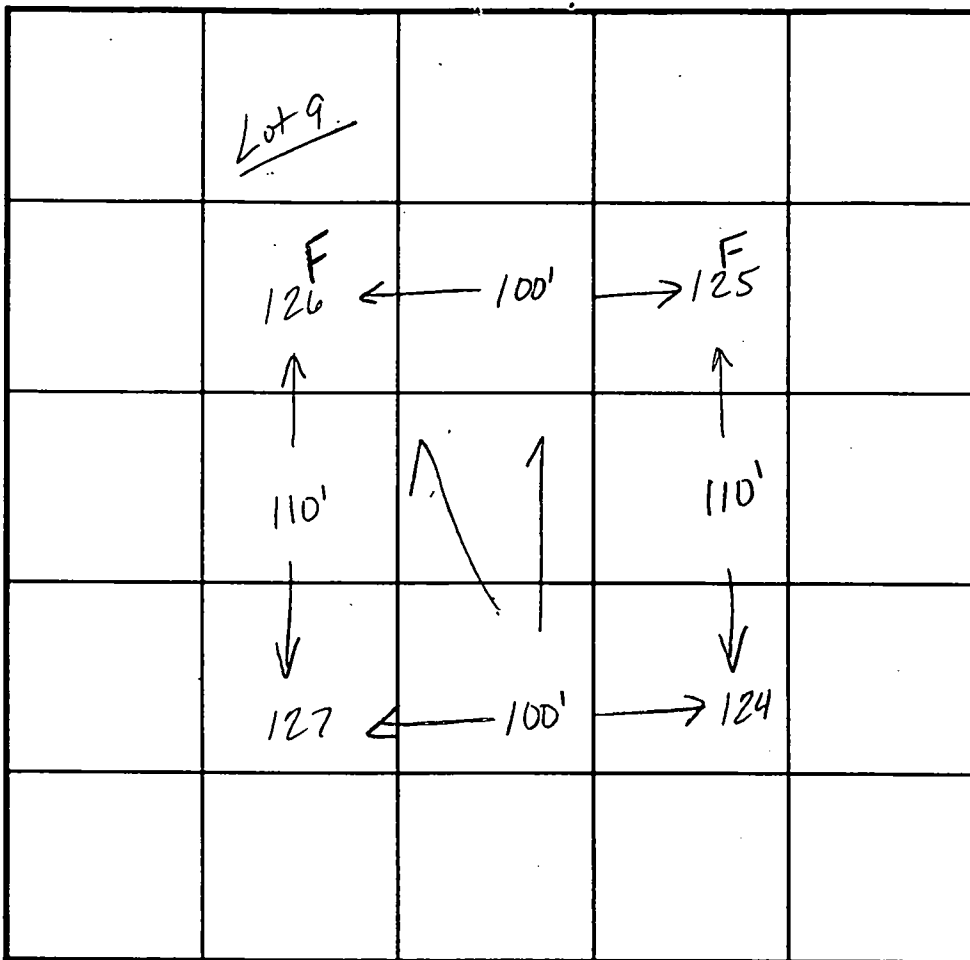
flec  
possible  
water  
damp grey  
dirt at 12'

SOIL PROFILE

125

brown  
orange  
clay  
loam  
damp

WATER



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME	
			START	STOP	START	STOP		
8/19/98	127	4.0'S	11:30 <sup>00</sup>	11:31 <sup>30</sup>	11:31 <sup>30</sup>	11:32 <sup>30</sup>	1/min	
		11.0'D	visual - see profile					
	126	8.0'D	FAILED DUE TO WATER					F
	124	3.0'S	11:14 <sup>30</sup>	11:19 <sup>30</sup>	11:19 <sup>30</sup>	11:26 <sup>10</sup>	720	
		12.0'D	visual ok - see profile					
	125	10.0'D	FAILED DUE TO WATER					F

REMARKS test holes staked by Surveyor

TYPE OF SOIL

TESTED BY Kim Maiste

ALSO PRESENT Tim Feaga

TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME

TRENCH WIDTH

INLET DEPTH

MAXIMUM BOTTOM DEPTH

SQ. FT/BEDROOM

510571 H

COUNTY#

SOIL PROFILE

125

brown  
orange  
clay  
loam  
damp



WATER

124

orange  
brown  
clim

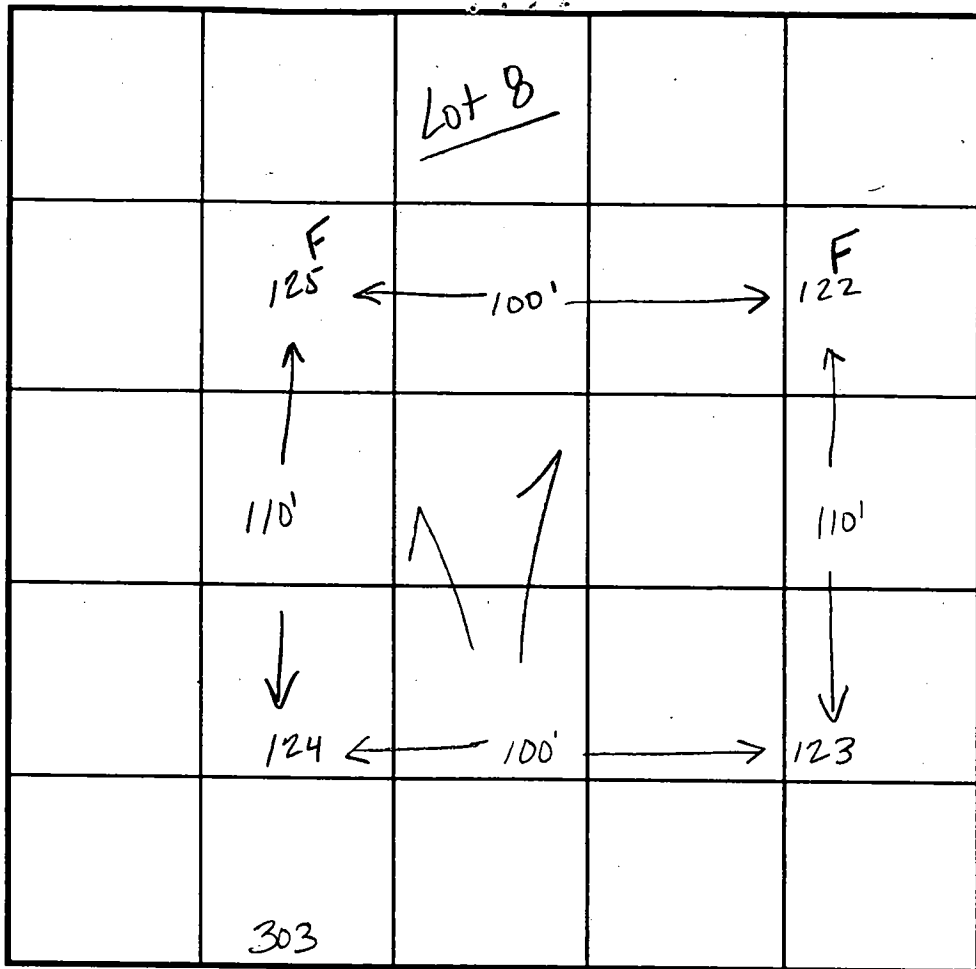
brown  
silt  
quartz  
mica  
flocs  
possible  
water  
damp  
grey dirt  
at 12'

122

brown/  
orange  
clay  
silt  
loam  
damp



WATER



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

SOIL PROFILE

125

orange  
clim

2.5'

brown/  
orange  
silt  
mica  
flocs  
10%  
shale

11'

303

orange  
clim

2'

or tan  
silt  
mica  
flocs

12'

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME	
			START	STOP	START	STOP		
8-19-98	124	3.0'S	11:1430	11:1930	11:1930	11:2610	7:20	
		12.0'D	visual - see profile					
	125	10.0'D	FAILED DUE TO WATER					F
	122		FAILED DUE TO WATER					F
	123	3.0'S	11:1815	11:2150	11:2150	11:2530	340	
		11.0'D	visual ok - see profile					
	303	3.0'S	11:1030	11:11	11:11	11:12	1 min	
		12.0'D	visual ok - see profile					

REMARKS test holes staked by surveyor

TYPE OF SOIL

TESTED BY Kim Maiste

ALSO PRESENT Tim Feaga

TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME

TRENCH WIDTH

INLET DEPTH

MAXIMUM BOTTOM DEPTH

SQ. FT/BEDROOM

# APPLICATION

PERCOLATION TESTING

A 510571H

P \_\_\_\_\_

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

DISTRICT \_\_\_\_\_

DATE 7/17/98

TO: THE COUNTY HEALTH OFFICER  
ELLICOTT CITY, MARYLAND

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PROPERTY OWNER George A. Garbutt

ADDRESS 11363 Frederick Rd., Ellicott City, MD 21042 PHONE \_\_\_\_\_

AGENT OR PROSPECTIVE BUYER Heritage Land Development

ADDRESS 3243 Bethany Lane, Ellicott City, MD 21042 PHONE 410-313-8808

PROPERTY LOCATION:

SUBDIVISION Brantaood II LOT NO. 8

ROAD AND DESCRIPTION 11363 Frederick Road, Ellicott City, MD 21042

TAX MAP 16 PARCEL # 172

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. \_\_\_\_\_ ✓  
(SIGNATURE OF APPLICANT)

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

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

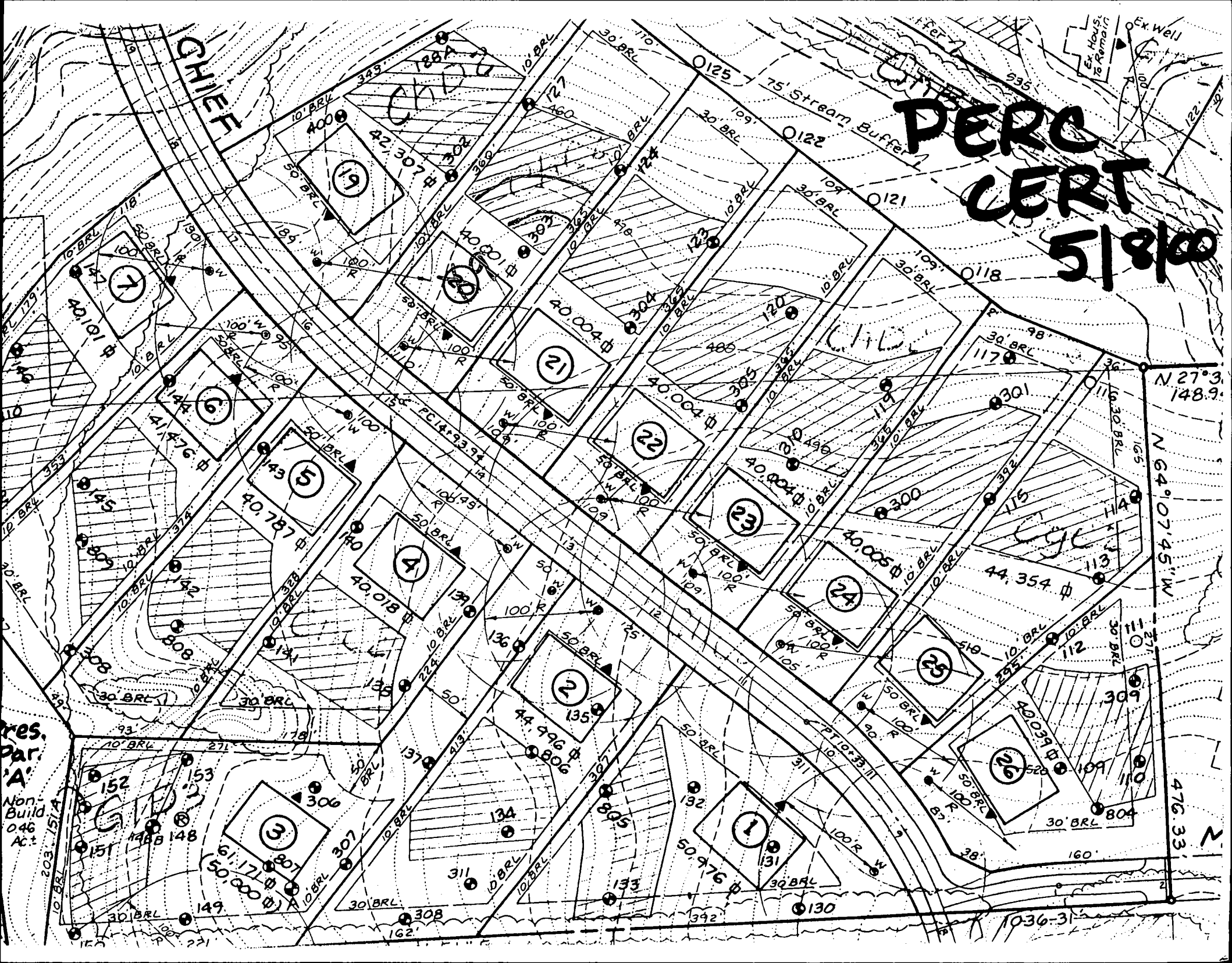
HOLD PENDING FURTHER TESTS \_\_\_\_\_

REASONS FOR REJECTION OR HOLDING Hold for wet season testing

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



CHIEF

PERC  
CERT  
51810

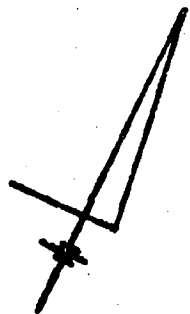
res.  
par.  
'A'  
Non-Build  
046  
Act.

N 27° 3' 148.9''

N 64° 07' 45'' W

476.33

1036-31



**NOTES:**

1. Existing Zoning: RC
2. Property address: 9056 Seneca Chief Trail
3. The Limit of Disturbance was approved under GP02-34
4. The proposed driveway for this lot shall be a minimum of 10' wide, 6" crusher run with 2-1/2" macadam surface.
5. The topography shown assumes proposed contours from the F01-67 plan are existing.
6. Driveway Entrance per Howard County Volume II Standard Detail R & 06.

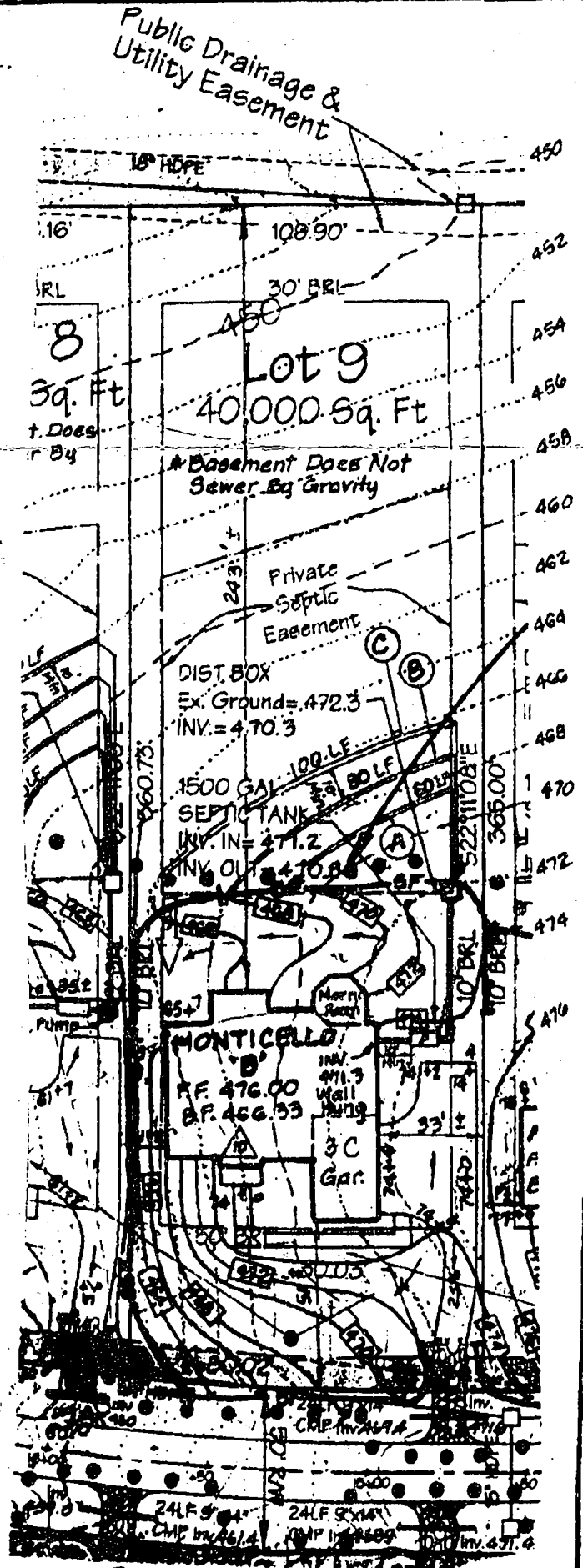
**SEPTIC SYSTEM DESIGN DATA:**

- ① Invert at Foundation Wall: 471.30 (Wall Hung) \*
- ② 1500 Gallon Septic Tank (4 BR-Provide manhole to grade)  
 Existing Ground over Tank: 474.00  
 Proposed Grade over Tank: 474.00  
 Invert In: 471.20  
 Invert Out: 470.80
- ③ Distribution Box: (4 Outlets Minimum)  
 Existing Ground Over Box: 472.30  
 Proposed Grade Over Box: 472.30  
 Invert In: 470.30
4. Trench Design:  
 (Per Health Department Septic Specifications)  
 = 180 SF per Bedroom x 4 Bedrooms = 720 SF  
 = 720 SF ÷ 3 ft Trench Width  
 = 240 LF of Trench REQ.

	(A)	(B)	(C)
Ex. Ground over Trench:	468.80	467.50	466.30
Invert Trench:	466.80	465.50	464.30
Bottom Trench:	464.80	463.50	462.30
Length of Trench:	80 LF	80 LF	100 LF
Width of Trench:	3 Ft.	3 Ft.	3 Ft.

NOTE: Trench Design may be revised at time of installation based on site conditions.

\* Requires Interior Pump Pit For Basement Service.



**SENECA CHIEF TRAIL**  
 (EX. 50' R/W)

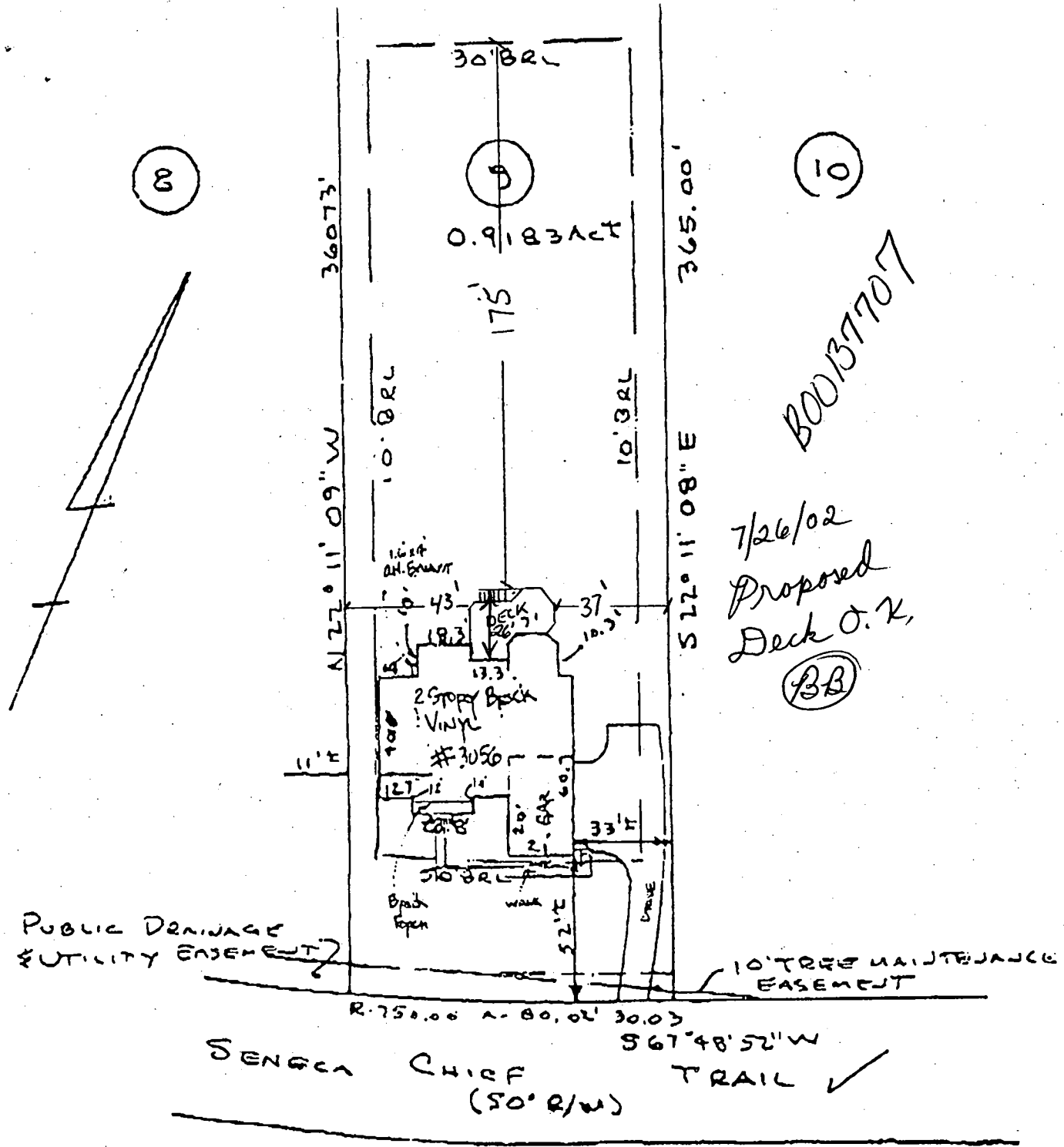
PROPERLY SCALED DRAWING W/TOPO OF PLAN SIGNED @ BP

**LDE, Inc.**

9250 Runsey Road, Suite 100  
 Columbia, Maryland  
 (410)715-1070 - (301)596-3124 - Fax (410)715-8540

Title: REVISION 10 TO GP 02-34  
 BRANTWOOD SECTION 3 AREA 1  
 LOT 9

Date: 12/21/01	Drawn: LDE	
Scale: 1" = 50'	LDE Job No.: 01-043	Sheet: 1 OF 1



**LOCATION DRAWING**

TOP OF WALL 475.1

CERTIFICATION	SEAL	SCALE 1" = 50'	DATE 7/8/02
<p>This is to certify that I have surveyed the property known as: <u>LOT 9 SEC 311 BRANTWOOD</u></p> <p>The information shown has been established by current acceptable survey procedures and from available record information. This drawing is to be used for Title Transfer Financing, or Financing Only and IS NOT to be used for the Establishment of Property Lines, Location of Fences, Garages, Buildings, or other Existing or Future Improvements.</p>		<p><b>LDE Inc.</b>            9250 Rumsey Road Suite 106            Columbia, Maryland 21045</p> <p>(410) 715-1070 (Balt.)            (301) 596-3424 (Wash.)            (410) 715-9540 (Fox)</p>	<p>REV 7/8/02</p>