

LAYOUT 4/15/02 1pm INSP 4 4/23/02 2:30
 INSP 2 4/16/02 2:00 INSP 5 _____
 INSP 3 4/18/02 2:30 INSP 6 _____

RPS# 337103

ISSUE DATE: 3/11/2002

P 516866 - B

APPROVAL DATE: 4/23/02

A 510571A

**PERMIT
INDEXED**

**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 Road PHONE NUMBER: 410-875-4197

SUBDIVISION: Brantwood 3/1 LOT NUMBER: 1

ADDRESS: 3033 Seneca Chief Trail PROPERTY OWNER: _____

SEPTIC TANK CAPACITY (GALLONS): 1250 ~~1500~~ 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: 240

TRENCHES:	Trench to be 3.0 feet wide. Inlet 3.0 feet below original grade. Bottom maximum depth 5.0 feet below original grade. Effective area begins at 3.0 feet below original grade. 2.0 feet of stone below distribution pipe.
LOCATION:	From Seneca Chief Trail, place the distribution box 120' from the front property line and 75' from the right lot line. Run trenches on contour.
NOTES:	Gravity basement service is proposed.

PLANS APPROVED: FS/KG *OK* 3/11/02 DATE: 1/22/02

- 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

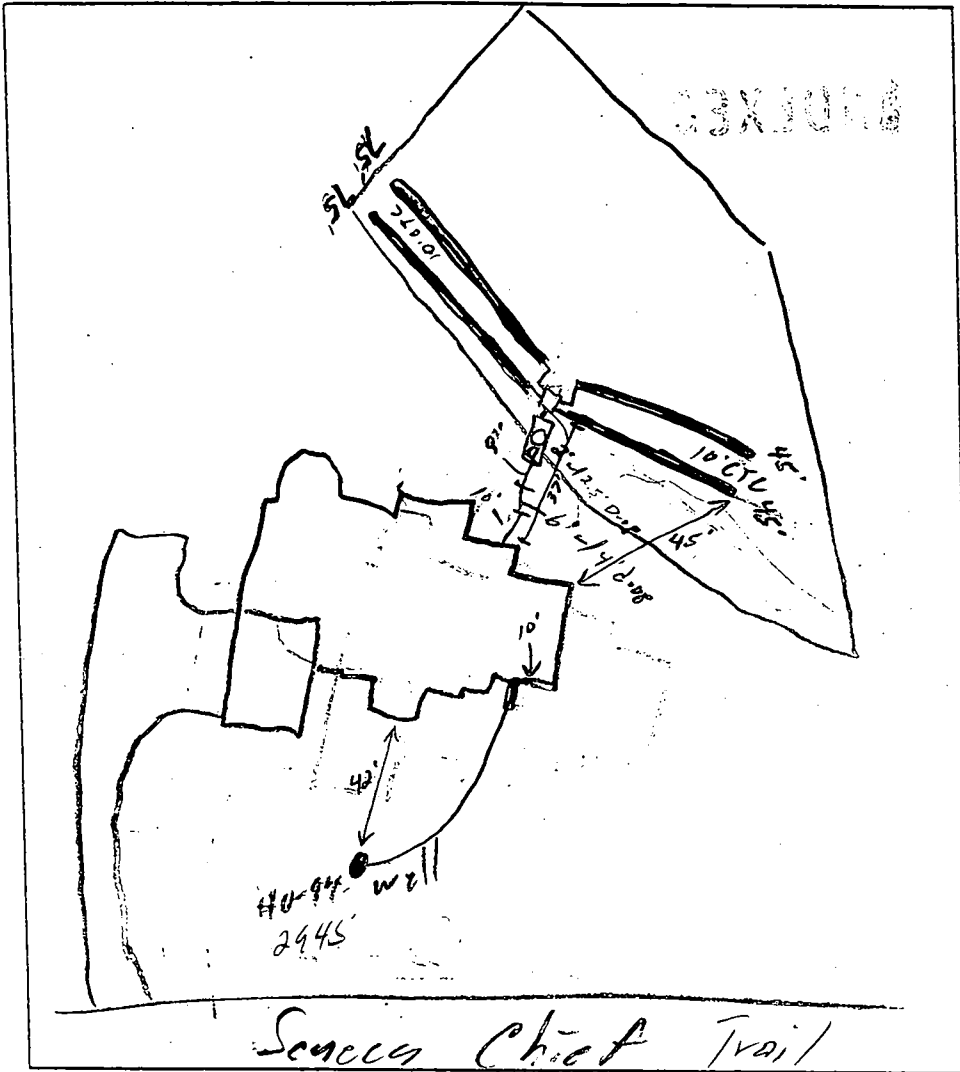
**NEITHER THE HOWARD COUNTY COUNCIL NOR THE HEALTH DEPARTMENT IS
 RESPONSIBLE FOR THE SUCCESSFUL OPERATION OF ANY SYSTEM
 PERMITTEE RESPONSIBLE FOR OBTAINING FINAL APPROVAL ON THIS PERMIT
 ALL 410-313-2640 FOR INSPECTION OF SEPTIC SYSTEM**

**BUILDING PERMIT SIGNED
 AND RETURNED 7/25/02**

B00137690 DECK + GAZEBO
B0013784

A510571-A

NOT TO SCALE



TRENCH DATA

TRENCH WIDTH 3'
 TRENCH INLET DEPTH 3'
 TRENCH BOTTOM DEPTH 5'
 DEPTH OF STONE 2'
 NUMBER OF TRENCHES 4
 TOTAL TRENCH LENGTH 240'
 ABSORBENT AREA 720 ϕ
 DISTRIBUTION BOX LEVEL
 BAFFLE IN DISTRIBUTION BOX

SEPTIC TANK DATA

SEPTIC TANK 1250 TS GALLONS
 MANHOLE RISER Contour
 6 INCH INSPECTION PORT Front

PUMP CHAMBER DATA

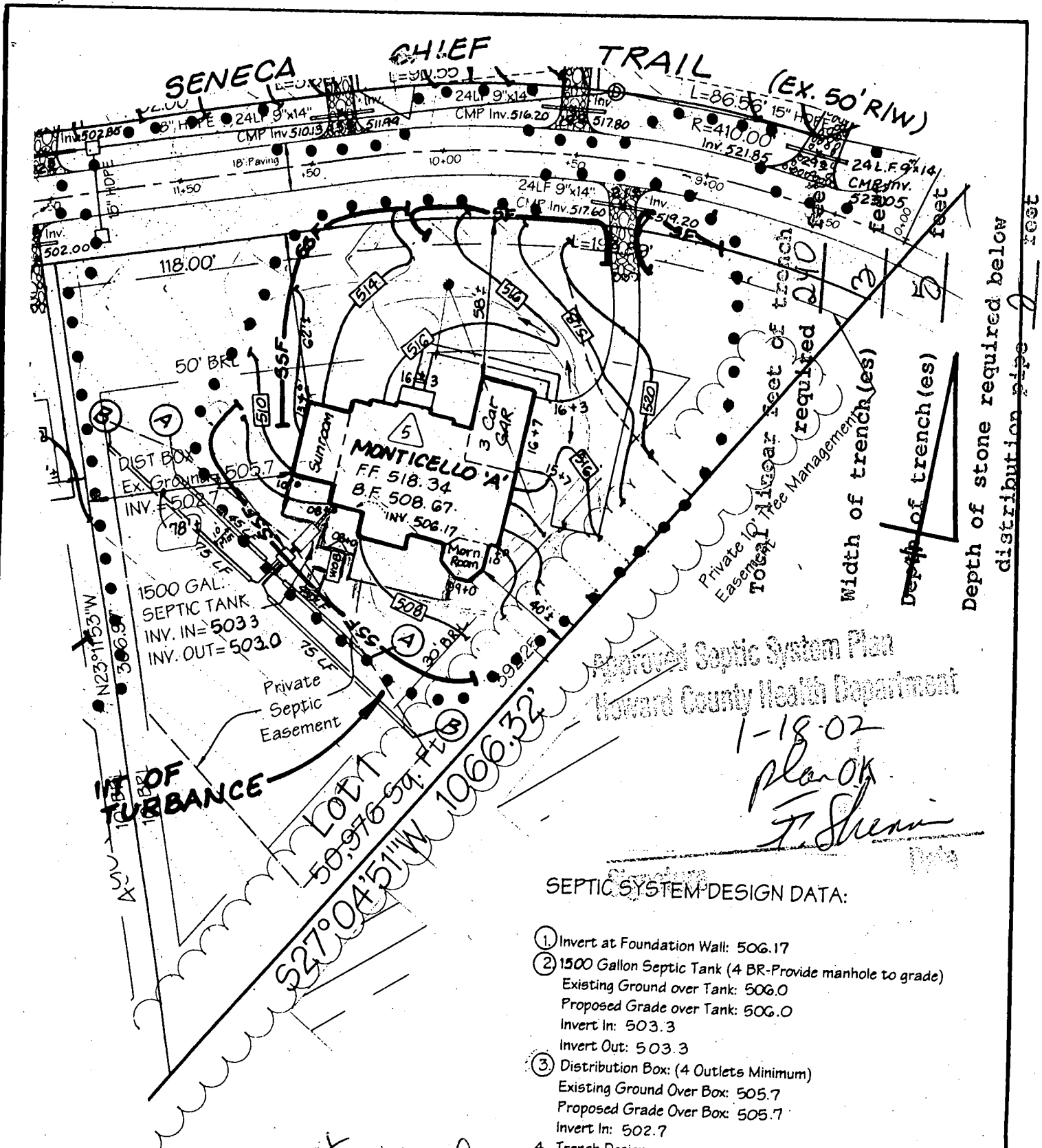
PUMP CHAMBER GALLONS _____
 MANHOLE RISER N/A
 ALARM _____
 PUMP PERFORMANCE TEST _____

PRE-CONSTRUCTION INSPECTION: 4/15/02 Contour not as shown. Contr. needs to sheet contour. Top corner of SRA will probably be lost. Manse moved (SO)

INSPECTION COMMENTS: 4/16/02 Not Ready (SO) 4/18/02 Tank set as close to the house as possible, but is partly in reserve area, set DB as close as possible to S.T. 4/18/02 (2) 75' Trenches installed, OK to cover (SO) 4/23/02 (2) 45' trenches installed, OK to cover all work (SO)

INSPECTOR [Signature]

DATE SYSTEM APPROVED 4/23/02 BUILDING PERMIT SIGNED [Signature]



Approved Septic System Plan
 Howard County Health Department

1-18-02
 Plan OK
 J. Sherrin

SEPTIC SYSTEM DESIGN DATA:

- ① Invert at Foundation Wall: 506.17
 - ② 1500 Gallon Septic Tank (4 BR-Provide manhole to grade)
 Existing Ground over Tank: 506.0
 Proposed Grade over Tank: 506.0
 Invert In: 503.3
 Invert Out: 503.3
 - ③ Distribution Box: (4 Outlets Minimum)
 Existing Ground Over Box: 505.7
 Proposed Grade Over Box: 505.7
 Invert In: 502.7
 - 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) |
|-------------------------|-----------|-----------|
| Ex. Ground over Trench: | 504.00 | 502.80 |
| Invert Trench: | 501.00 | 499.80 |
| Bottom Trench: | 499.00 | 497.80 |
| Length of Trench: | 2 @ 45 LF | 2 @ 75 LF |
| Width of Trench: | 3 FT. | 3 FT. |

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

NOTES:

- 1. Existing Zoning: RC
- 2. Property address: 3033 Seneca Chief Trail
- 3. The Limit of Disturbance was approved under GPO2-34
- 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 FO1-67 plan are existing.
- 6. Driveway Entrance per Howard County Volume IV Standard Detail R 6.06.

Basement service is proposed
D.B. 3' cover OK
S.T. 3' cover OK

LDE, Inc.
 9250 Rumsey Road, Suite 100
 Columbia, Maryland
 (410)715-1070 - (301)596-3424 - Fax (410)715-9540

Title: REVISION ⑤ TO GPO2-34 BRANTWOOD SECTION 3 AREA 1 LOT 1		
Date: 12/5/01	Drawn: LDE	
Scale: 1" = 50'	LDE Job No.: 01-043	Sheet: 1 OF 1

PROPERTY KNOWN AS: LOT 1

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

- BRAUTWOOD

SECTION THREE

AREA ONE

LOTS 1-16, PRESERVATION PARCELS A THRU D

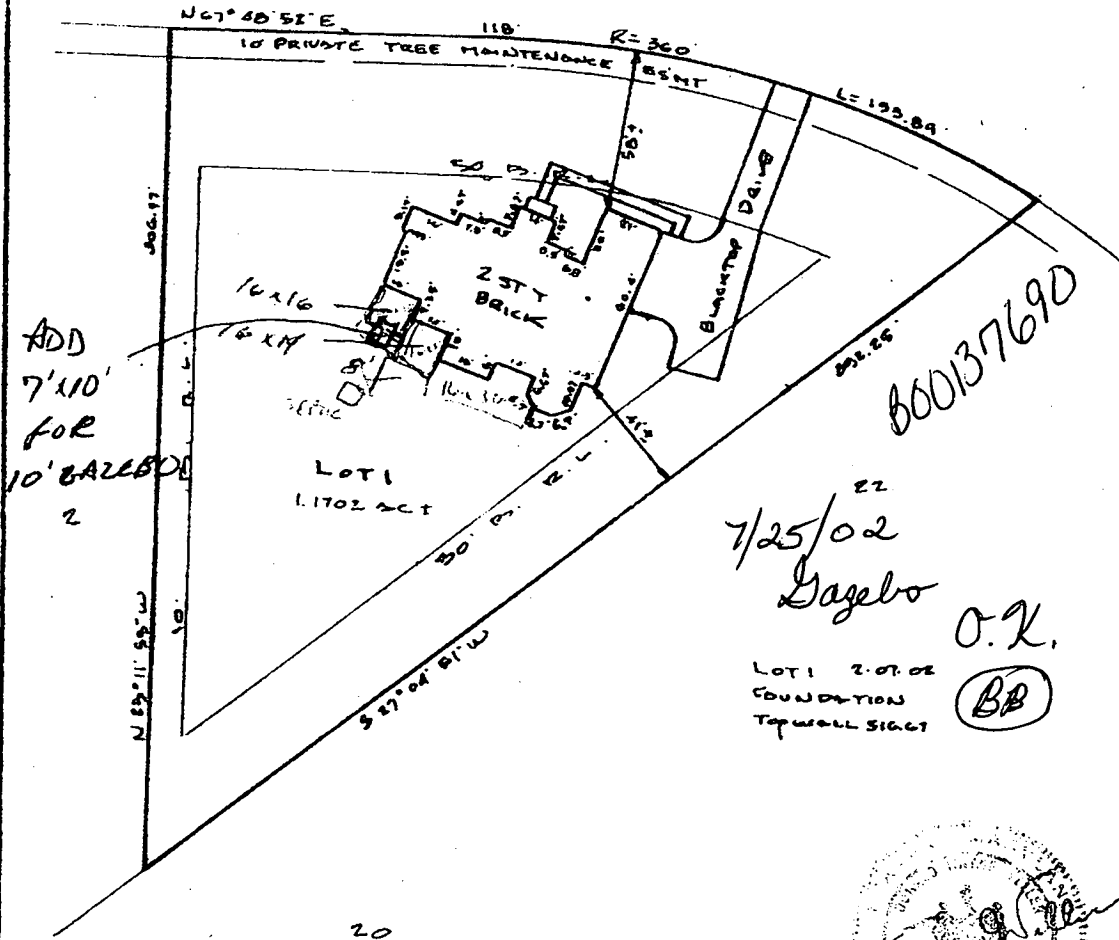
SHEET 2 OF 7

SELECTION DISTRICT

HOWARD COUNTY, MD

PLAT 14876

SELECA CHIEF TRAIL
(90° E/W)



ADD
7' x 10'
FOR
10' GAZEBO
2

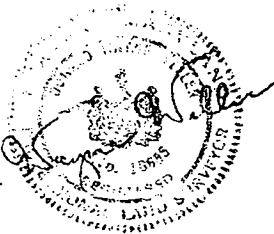
800137690

22
7/25/02
Gazbo

O.K.

LOT 1 2.07.02
FOUNDATION
TOPWALL SIGCT

BB



LOCATION DRAWING

FINAL 5/14/02

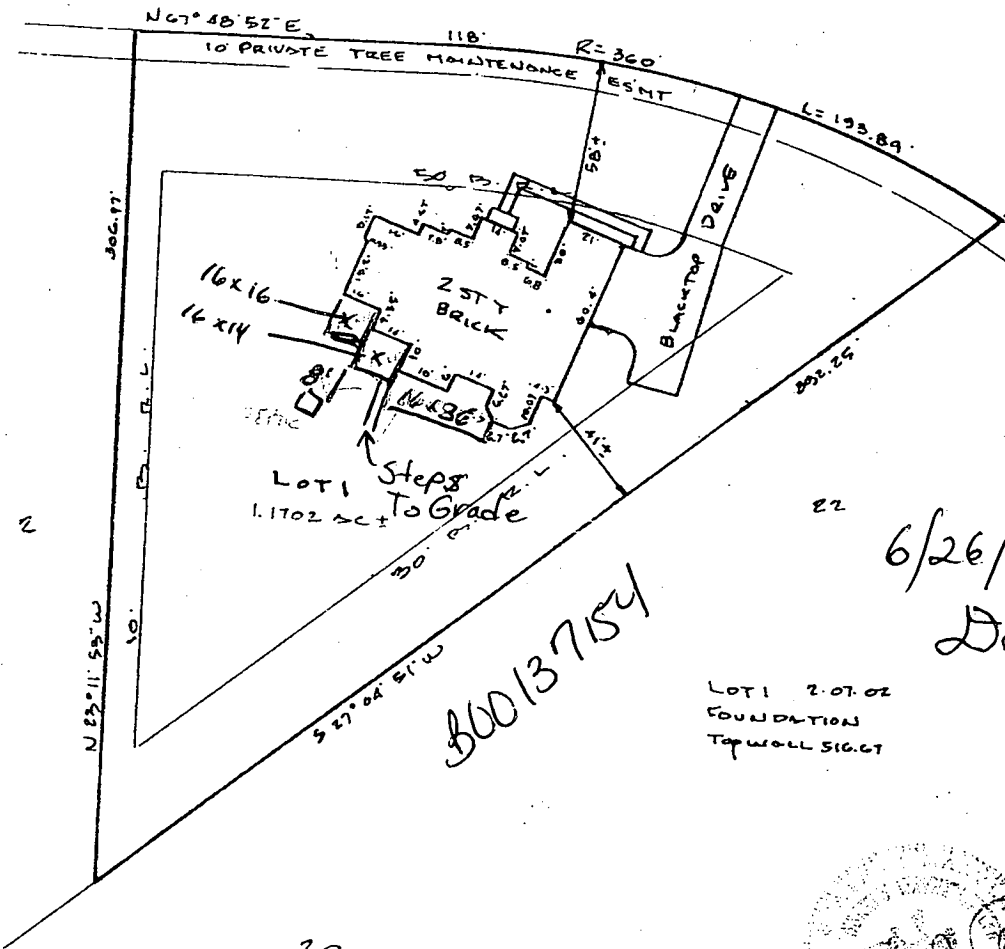
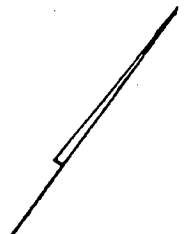
CERTIFICATION	SEAL	SCALE 1" = 50'	DATE 2-29-02
<p>This is to certify that I have surveyed the property known as: <u>3033 SELECA CHIEF TRAIL</u></p> <p>The information shown has been established by current acceptable survey procedures and from available record information. This drawing is to be used for Title Transfer Financing, or 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.</p>		<p>LDE Inc. 9250 Rumsey Road Suite 106 Columbia, Maryland 21045</p> <p>(410) 715-1070 (Balt.) (301) 596-3424 (Wash.) (410) 715-9540 (Fax)</p>	

PROPERTY KNOWN AS: LOT 1

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

BRAUTWOOD
SECTION THREE
AREA ONE
LOTS 1-14, PRESERVATION PARCELS A THROUGH D
SHEET 2 OF 7
30 SELECTION DISTRICT
HOWARD COUNTY, MD
PLAT 14876

SENECA CHIEF TRAIL
(90° 21' N)

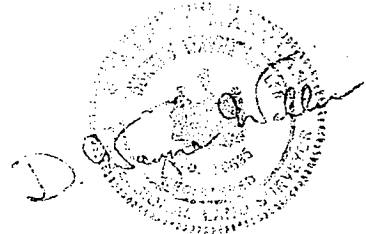


300137154

6/26/02 Proposed
Deck O.K.


BB

LOT 1 2-07-02
FOUNDATION
TOP WALL 516.67



LOCATION DRAWING

FINAL 5/14/02

CERTIFICATION	SEAL	SCALE 1" = 50'	DATE 2-25-02
<p>This is to certify that I have surveyed the property known as: <u>3023</u> <u>SENECA CHIEF TRAIL</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 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.</p>		<p>LDE Inc. 9250 Rumsey Road Suite 106 Columbia, Maryland 21045</p> <p>(410) 715-1070 (Balt.) (301) 596-3424 (Wash.) (410) 715-9540 (Fax)</p>	

C1 8016

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 A 510571A OK KG 1/22/02

ST/CO USE ONLY DATE RECEIVED

DATE WELL COMPLETED

Depth of Well

PERMIT NO. FROM "PERMIT TO DRILL WELL" H0-94-2945

OWNER Brantwood LLC STREET OR RFD SORCA TRAIL TOWN ELLETTOWN SUBDIVISION Brantwood SECTION 3/1 LOT 1

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, FEET (FROM, TO), check if water bearing. Includes entries like Brown Min Soil, Dark Brown Micr Soil, Med Hard Brown, Med. Hard Green Micr Rock.

Dry Hole 0' 50' Sealed w/ rock cuttings & cement grout

NUMBER OF UNSUCCESSFUL WELLS: 1

WELL HYDROFRACTURED YES (Y) NO (N)

CIRCLE APPROPRIATE LETTER A WELL WAS ABANDONED AND SEALED WHEN THIS WELL WAS COMPLETED

I HEREBY CERTIFY THAT THIS WELL HAS BEEN CONSTRUCTED IN ACCORDANCE WITH COMAR 26.04.04 "WELL CONSTRUCTION"

DRILLERS LIC. NO. M 60355

DRILLER'S SIGNATURE (MUST MATCH SIGNATURE ON APPLICATION) LIC. NO. M D

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

GROUTING RECORD WELL HAS BEEN GROUTED (Y) (N)

TYPE OF GROUTING MATERIAL (Circle one) CEMENT (CM) BENTONITE CLAY (BC) NO. OF BAGS 16 NO. OF POUNDS 1504

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) 65

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

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

DEPTH (nearest ft.) 65 300

DEPTH (nearest ft.) 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

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

TELESCOPE CASING LOG INDICATOR OTHER DATA

PUMPING TEST

HOURS PUMPED (nearest hour) 3 PUMPING RATE (gal. per min.) 15 METHOD USED TO MEASURE PUMPING RATE Water Bucket WATER LEVEL (distance from land surface) BEFORE PUMPING 45' WHEN PUMPING 51'

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. 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)



Front

B 1- 03006

SEQUENCE NO. (MDE USE ONLY)

STATE OF MARYLAND PERMIT TO DRILL WELL

STATE PERMIT NUMBER

HO-94-2945

Date Received (APA) 1/16/01
OWNER INFORMATION
BRANTWOOD L.L.C.
8835-P Columbia 100 Parkway
Columbia MD 21045

LOCATION OF WELL
Howard County
BRANTWOOD
SECTION 3 LOT 1
mayfield
MILES FROM TOWN 2

DRILLER INFORMATION
Michael Barlow M.D. 355
Michael Barlow Well Drilling
522 Underwood Lane Bel Air Md
Signature Date 1-11-2001

Seneca Chief Trail
Butter Fruit Way
ON WHICH SIDE OF ROAD
DISTANCE FROM ROAD 30
TAX MAP: BLK: PARCEL

WELL INFORMATION
APPROX. PUMPING RATE 5
AVERAGE DAILY QUANTITY NEEDED 500

USE FOR WATER (CIRCLE APPROPRIATE BOX)
DOMESTIC POTABLE SUPPLY & RESIDENTIAL IRRIGATION
FARMING (LIVESTOCK WATERING & AGRICULTURAL IRRIGATION)
INDUSTRIAL, COMMERCIAL, DEWATERING
PUBLIC WATER SUPPLY WELL
TEST, OBSERVATION, MONITORING
GEO-THERMAL

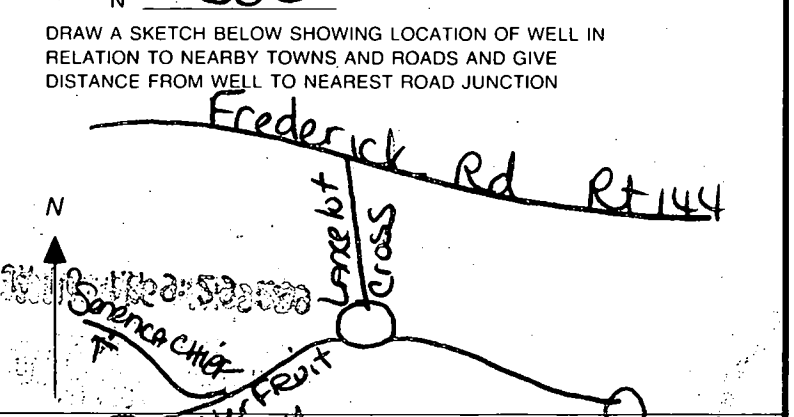
NOT TO BE FILLED IN BY DRILLER HEALTH DEPARTMENT APPROVAL
Howard Co A510571A
COUNTY NAME COUNTY NO.
STATE SIGNATURE INSERT S
DATE ISSUED 1/25/01
CO SIGNATURE EXP. DATE 1/26/08
NORTH GRID 520 000 EAST GRID 820 000

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

SHOW MAJOR FEATURES OF BOX & LOCATE WELL WITH AN X
SOURCES OF DRILLING WATER
WRITE THE BOX NUMBER FROM THE MAP HERE
E 820
N 520

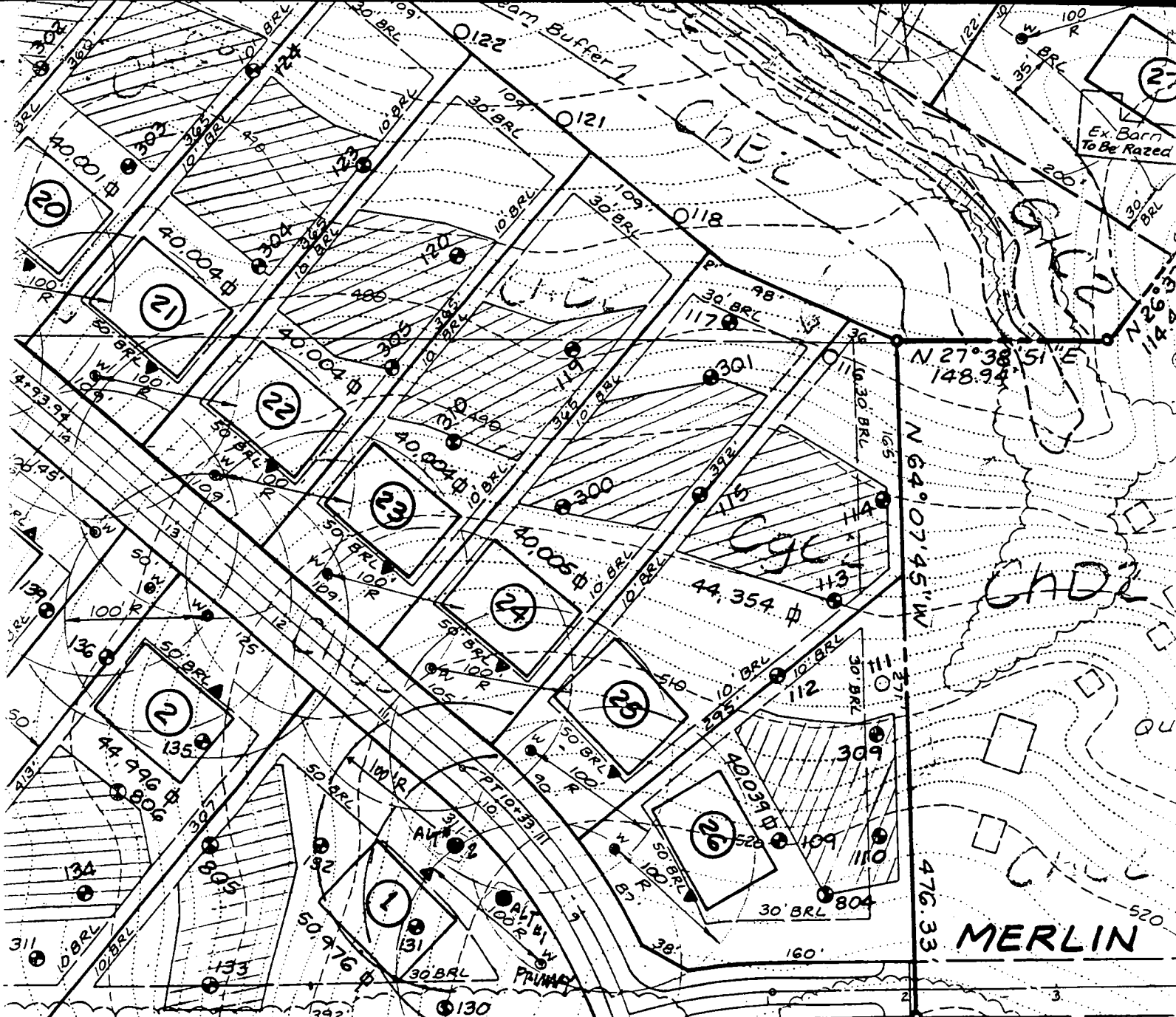
METHOD OF DRILLING (circle one)
BORED (or Augered) JETTED Jetted & DRIVEN
AIR-ROTARY AIR-PERCussion ROTARY (Hydraulic Rotary)
CABLE REVerse-ROTARY Drive-POINT

REPLACEMENT OR DEEPEINED 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-CONTACT LOCAL APPROVING AUTHORITY FOR POLICY ON STANDBY WELLS
THIS WELL WILL DEEPEIN AN EXISTING WELL
PERMIT NUMBER OF WELL TO BE REPLACED OR DEEPEINED (IF AVAILABLE)



Not to be filled in by driller (MDE OR COUNTY USE ONLY)
APPROX. PERMIT NUMBER HO 98 GAP 6003(2)
PERMIT No. HO-94-2945

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



3/30/01

Shown alternate well sites are OK.
Brantwood 3/1 - Lot 1.

A. McMillen

Post-it® Fax Note 7671		Date	# of pages 1
To <i>Bruce Burton</i>	From <i>Duff</i>		
Co./Dept.	Co.		
Phone #	Phone #		
Fax #	Fax #		

APPLICATION

PERCOLATION TESTING

A510571K

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 Briarwood II LOT NO. 41

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 _____

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

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

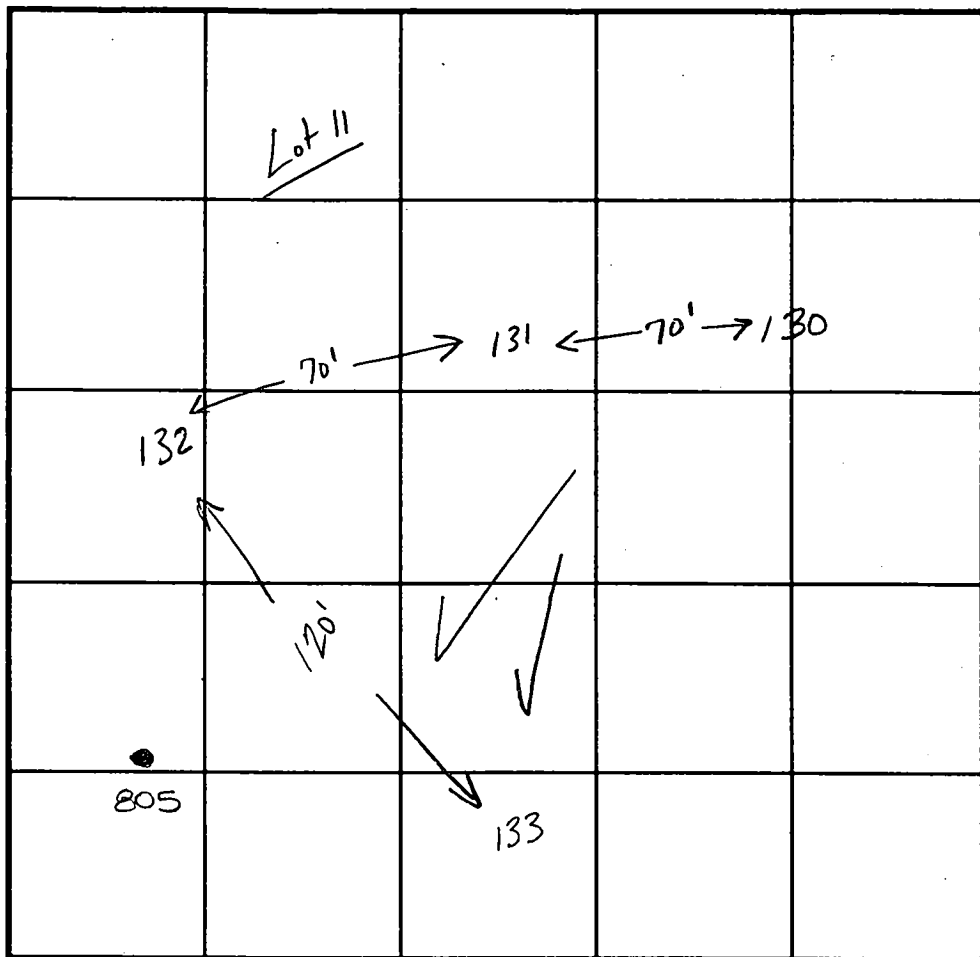
THIS IS NOT A PERMIT

510571 K

COUNTY #

SOIL PROFILE

0' 131
orange
cl lm
3'
brown/
orange
silm
mica
flakes
10%
rock
frags
11.5'



SOIL PROFILE

0' 133
orange
cl lm
3'
white/
orange
quartz
frags
gravelly
silm
12'

130

orange
cl lm
3'

tan/
orange
silm
10%
shale
frags
11'

132

orange
cl lm
3'

brown/
orange
silm
flacs
of
mica
11'

805

133

805

2.0
dark brn
silm
dark
brn
salm
pockets
decayed
feldspar
15% mica
12.0

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	131	11.5'D	Visual	only-ok	see profile		
	130	3.0'S	1:55:15	2:01:20	2:01:20	2:12	11:40
		11.0'D	Visual	ok	see profile		
	132	3.0'S	1:45:50	1:47:20	1:47:20	1:48:20	fast
		11.0'D	Visual	ok	see profile		
	132	(repour)	1:48:50	1:49:50	1:49:50	1:52	2:10
	133	4.0'S	1:54:25	1:55:20	1:55:20	1:57:20	2min
		12.0'D	Visual	ok	see profile		
11-8-99	805	Visual	to 12.0 - see profile				OK

REMARKS test holes staked by surveyor

TYPE OF SOIL

TESTED BY Kim Maiste

ALSO PRESENT Tim Feaga

TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME 5-6 minutes

TRENCH WIDTH 3'

INLET DEPTH 3'

MAXIMUM BOTTOM DEPTH 5'

SQ. FT./BEDROOM 180

APPLICATION

PERCOLATION TESTING

A 510571 L

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. 1

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 _____

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

51057L

COUNTY #

SOIL PROFILE

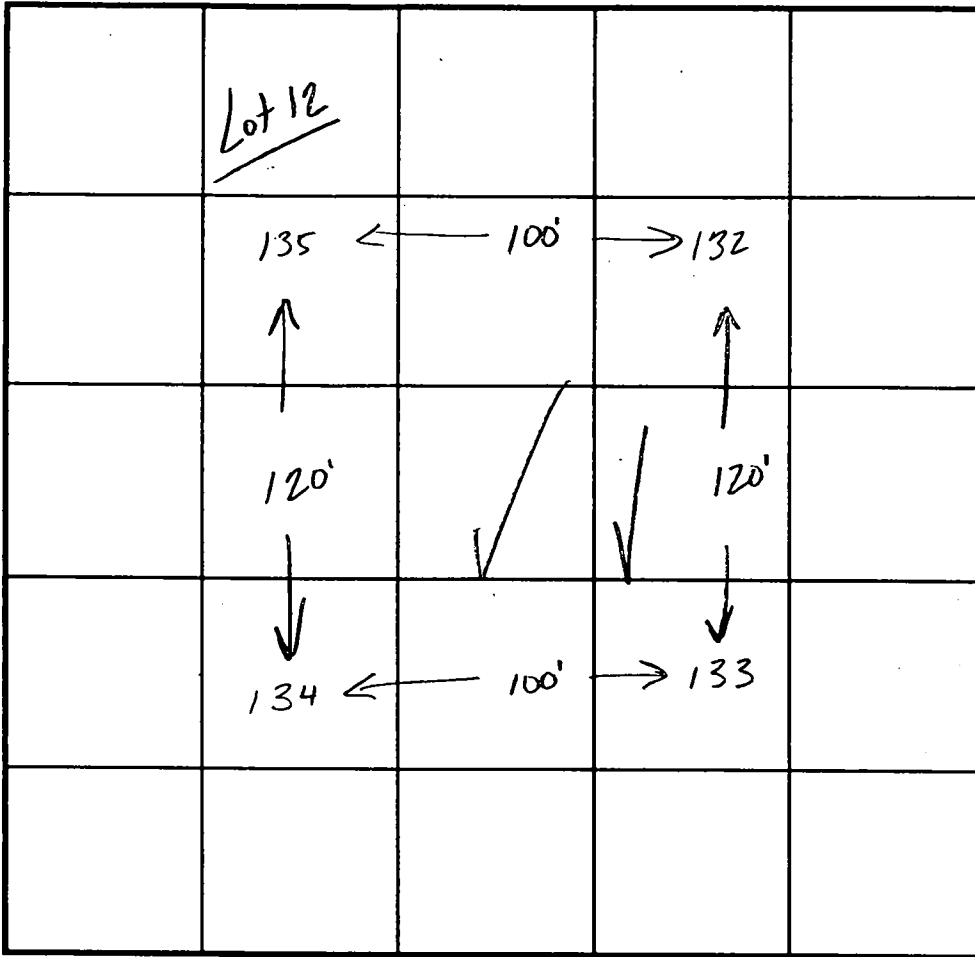
0' 134
 orange
 brown
 cl lm
 3'
 tan/
 brown
 siltm
 mica
 flecs
 100% shale
 11.5'

132

3.0'
 orange
 clay lm
 brown/
 orange
 siltm
 flecs
 of
 mica
 11.0'

133

3'
 orange
 cl lm
 white/
 orange
 quartz
 frags
 gravelly
 siltm
 12'



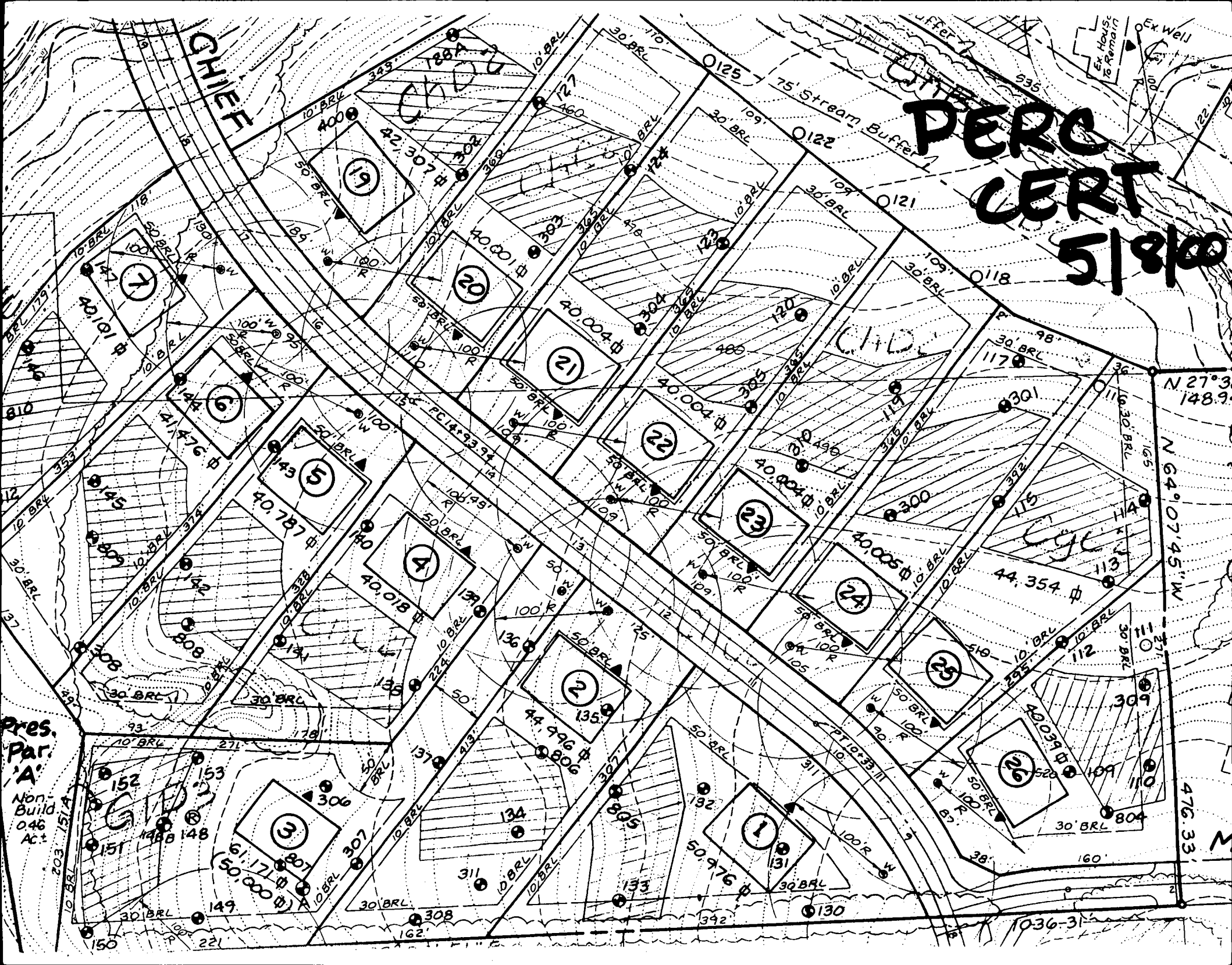
INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

SOIL PROFILE

0' 135
 orange
 cl lm
 3'
 brown/
 orange
 siltm
 10%
 shale
 frags
 12.5'

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
8.19.98	134	3.0'S	12:47:55	12:53	12:53	1:16:40	2340
		11.5'D	visual	ok - see profile			
	132	3.0'S	1:45:50	1:47:20	1:47:20	1:48:20	fast
		11.0'D	visual	ok - see profile			
		repour	1:48:50	1:49:50	1:49:50	1:52	210
	133	4.0'S	1:54:25	1:55:20	1:55:20	1:57:20	2min
		12.0'D	visual	ok - see profile			
	135	12.0'D	visual	only - ok see profile			

REMARKS _____
 TYPE OF SOIL _____
 TESTED BY _____ ALSO PRESENT _____
 TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME _____ TRENCH WIDTH _____
 INLET DEPTH _____ MAXIMUM BOTTOM DEPTH _____ SQ. FT./BEDROOM _____



CHIEF

PERC
CERT
5/8/00

CHILD

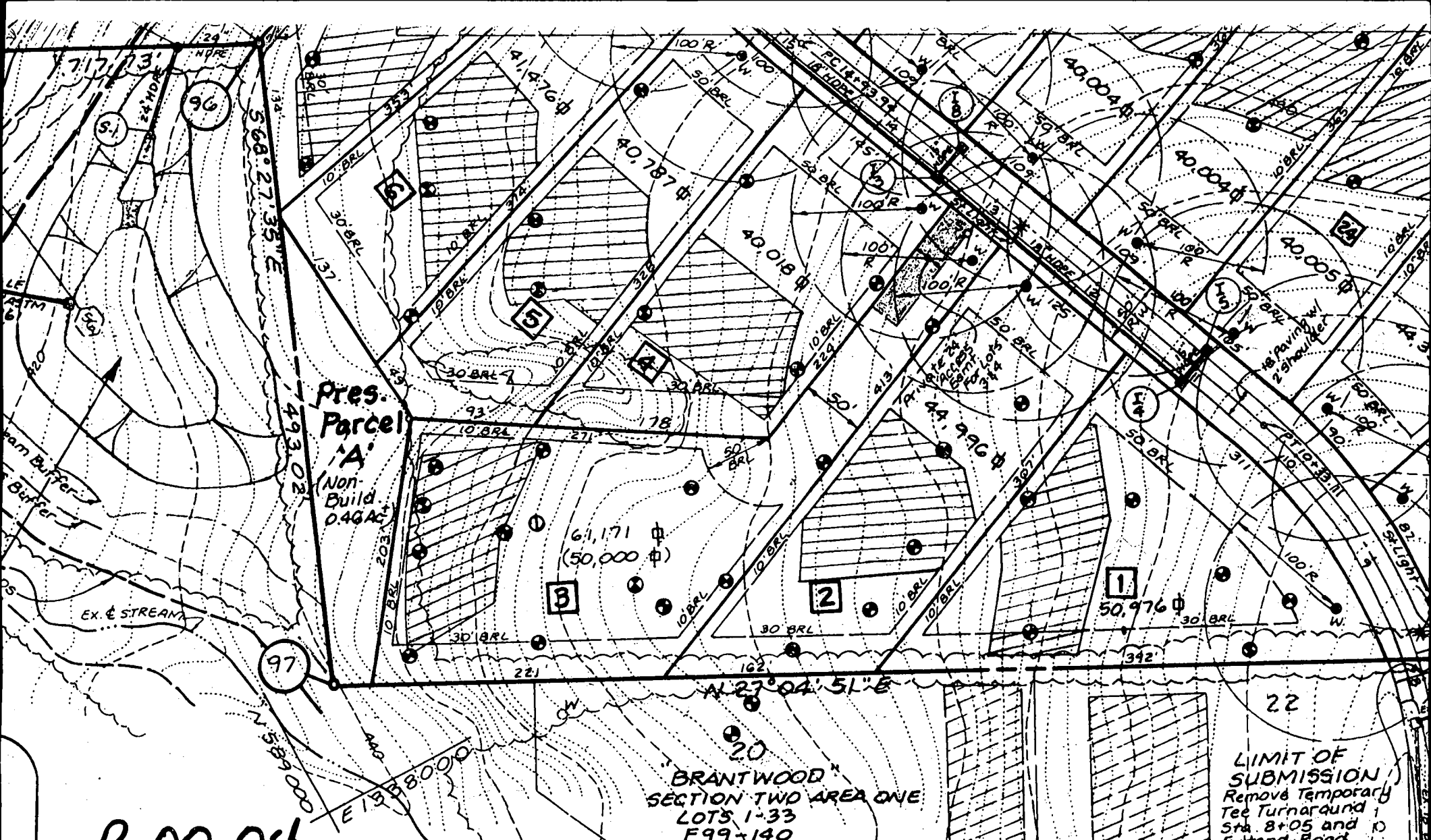
Pres.
Par.
A
Non-
Build
0.46
Ac.

N 27° 3'
148.9'

N 64° 07' 45" W
165'

476.33'

1036-31

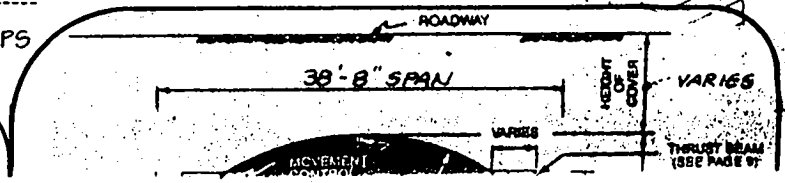


P. 00 04
S. 17.00

ACCEPTABLE STREET LIGHT POLE AND FIXTURE
Table 5.03

Roadway Classification	Pole Height	Pole Type	Fixture	Lamp Size
Residential	30 ft.	Fiberglass bronze w/ 12" arm	Pendant Fixture	150w. HPS

CURVE DATA TABLE



LIMIT OF SUBMISSION
Remove Temporary Tee Turnaround Sta 8+05 and Extend Road

FRAIL