

03338940

LAYOUT 12/23/03-PM INSP 4 _____
INSP 2 12/29/03-AM INSP 5 _____
INSP 3 2/13/04-3PM INSP 6 _____

ISSUE DATE: 12/22/2003

P 520006

APPROVAL DATE: 2/13/04

A 510575-H

PERMIT INDEXED

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

03-338940

Farm & Home Excavating, Inc IS PERMITTED TO INSTALL ALTER

ADDRESS: 901 Driver Road, Marriottsville PHONE NUMBER: 410-442-2139

SUBDIVISION: Brantwood 3/3 LOT NUMBER: 34

ADDRESS: 3129 Seneca Chief Trail PROPERTY OWNER: Nantucket/Dorsey Homes

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

PUMP CHAMBER CAPACITY (GALLONS): 1250 COMPARTMENTED TANK REQUIRED

NUMBER OF BEDROOMS: 4

SQUARE FEET PER BEDROOM: 180

LINEAR FEET OF TRENCH REQUIRED: 250 HOUSE SERVED BY PUBLIC WATER

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:	Place the distribution box near the upper corner easement stake that is closest to the house as shown on the approved plan. Run trenches on contour away from the house.
NOTES:	Space the trenches 10' center to center. The septic tanks shouldn't have more than 3' of cover over them.

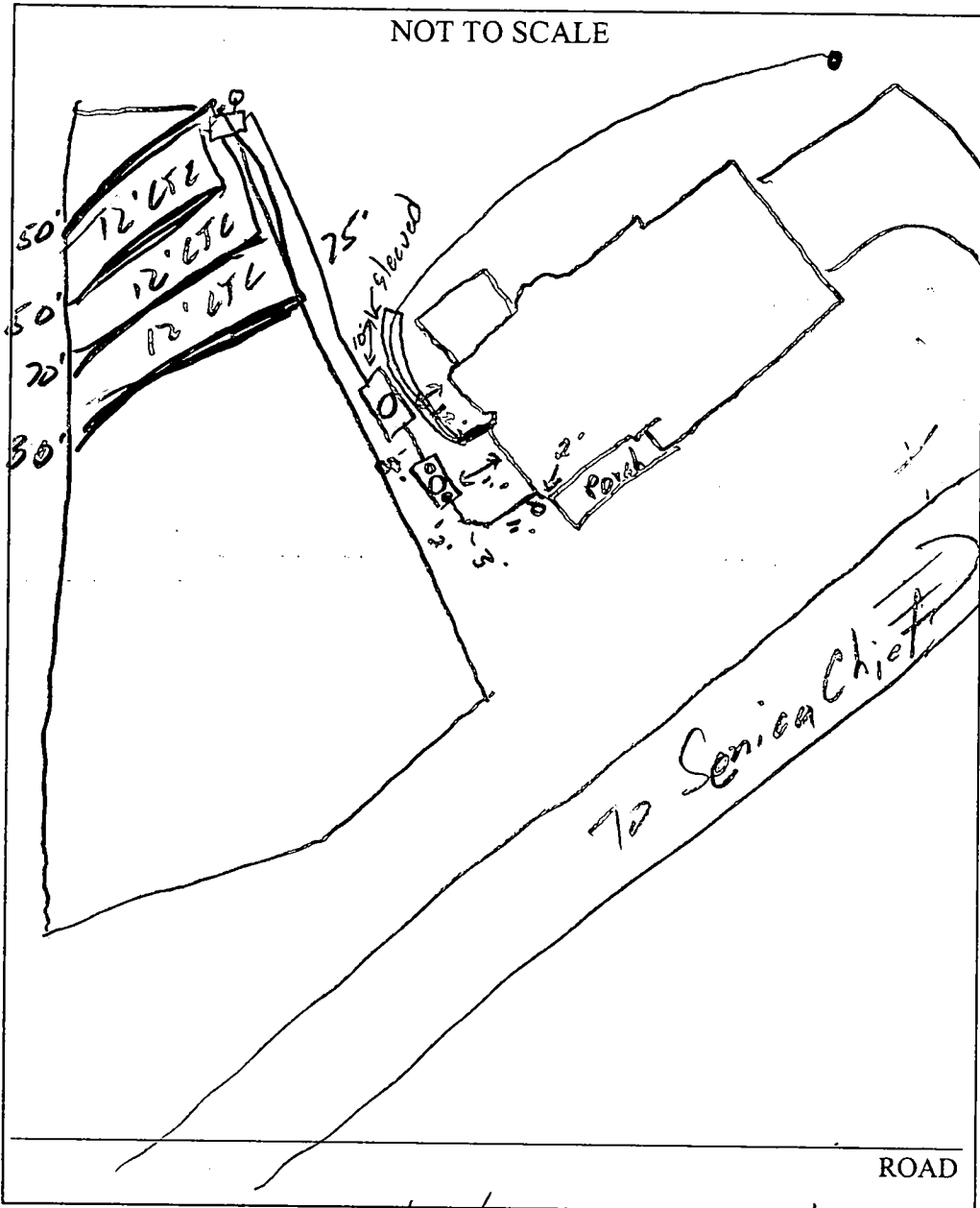
PLANS APPROVED: Brian Baker OK (KB) DATE: 6/4/03

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

A 510575-H

NOT TO SCALE



TRENCH/DRAINFIELD DATA		
WIDTH	INLET	BOTTOM
3'	3'	5'
NUMBER OF TRENCHES		4
TOTAL LENGTH		250'
ABSORPTION AREA		750 sq ft
DISTRIBUTION BOX LEVEL		✓
DISTRIBUTION BOX BAFFLE		✓
DISTRIBUTION BOX PORT		—

SEPTIC TANK DATA	
SEPTIC TANK 1 LEVEL	
CAPACITY	12.50 GAL
SEAM LOC	Top
TANK LID DEPTH	1'
BAFFLES	✓
BAFFLE FILTER	—
MANHOLE LOC	Center
6" PORT LOC	F&B
WATERTIGHT TEST	—
SEPTIC TANK 2 LEVEL	
CAPACITY	12.50 GAL
SEAM LOC	Top
TANK LID DEPTH	2'
BAFFLES	✓
BAFFLE FILTER	—
MANHOLE LOC	Center
6" PORT LOC	—
WATERTIGHT TEST	—

PRE-CONSTRUCTION 12/23/03 - SRA staked, contour accurate. Install trenches per B.P. Tanks set. OK to cover (SD)

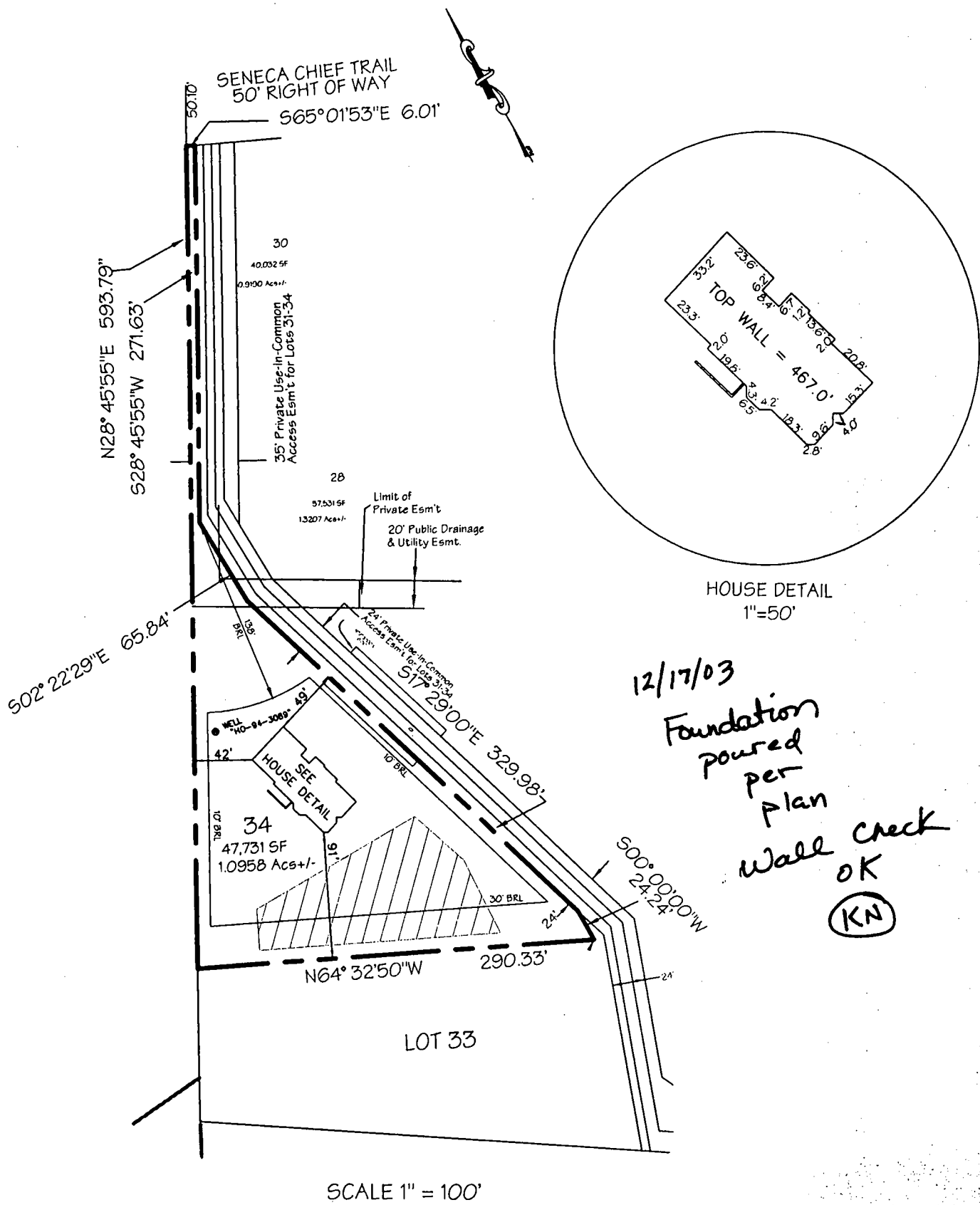
INSTALLATION 12/29/03 OK to cover all work. Pump & Alarm tests needed (SD)

2/13/04 - Pump & Alarm test OK (SD)

FINAL INSPECTOR [Signature] DATE OF APPROVAL 2/13/04

PROPERTY KNOWN AS:
 LOT 34
 BRANTWOOD
 SECTION 3 AREA 3
 PLAT NO. 15252
 HOWARD COUNTY, MD

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



LOCATION DRAWING

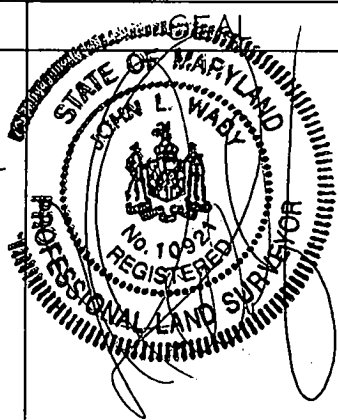
TOP-WALL = 467.0'

CERTIFICATION

This is to certify that I have surveyed the property known as:

LOT 34 SENACA CHIEF TRAIL

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.



SCALE AS NOTED

DATE 09/26/03

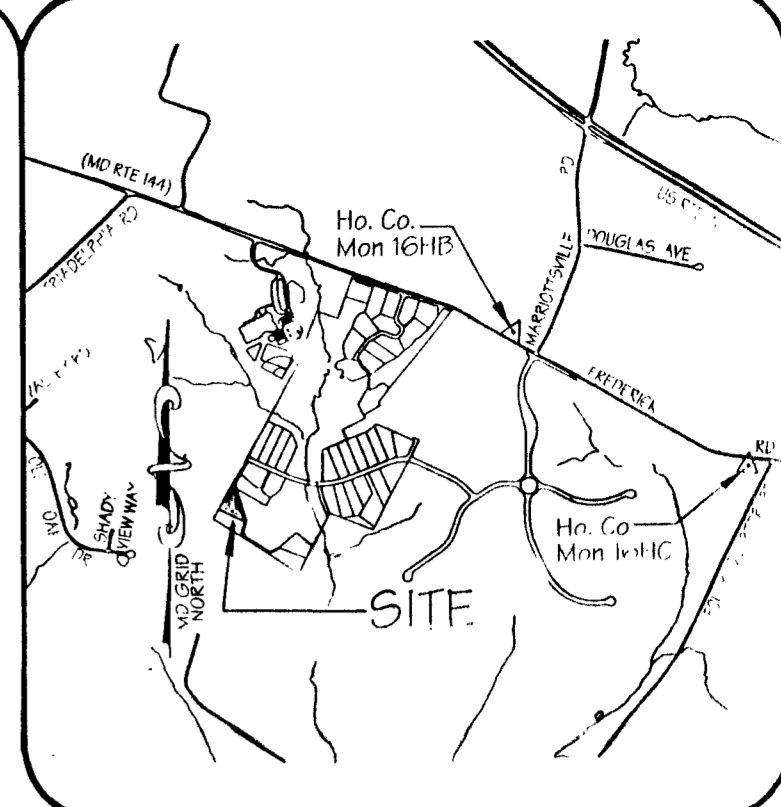
LDE Inc.
 Engineers, Surveyors, Planners

9250 Rumsey Road, Suite 106
 Columbia, Maryland - 21045
 (410)715-1070 - (410)715-9540 Fax

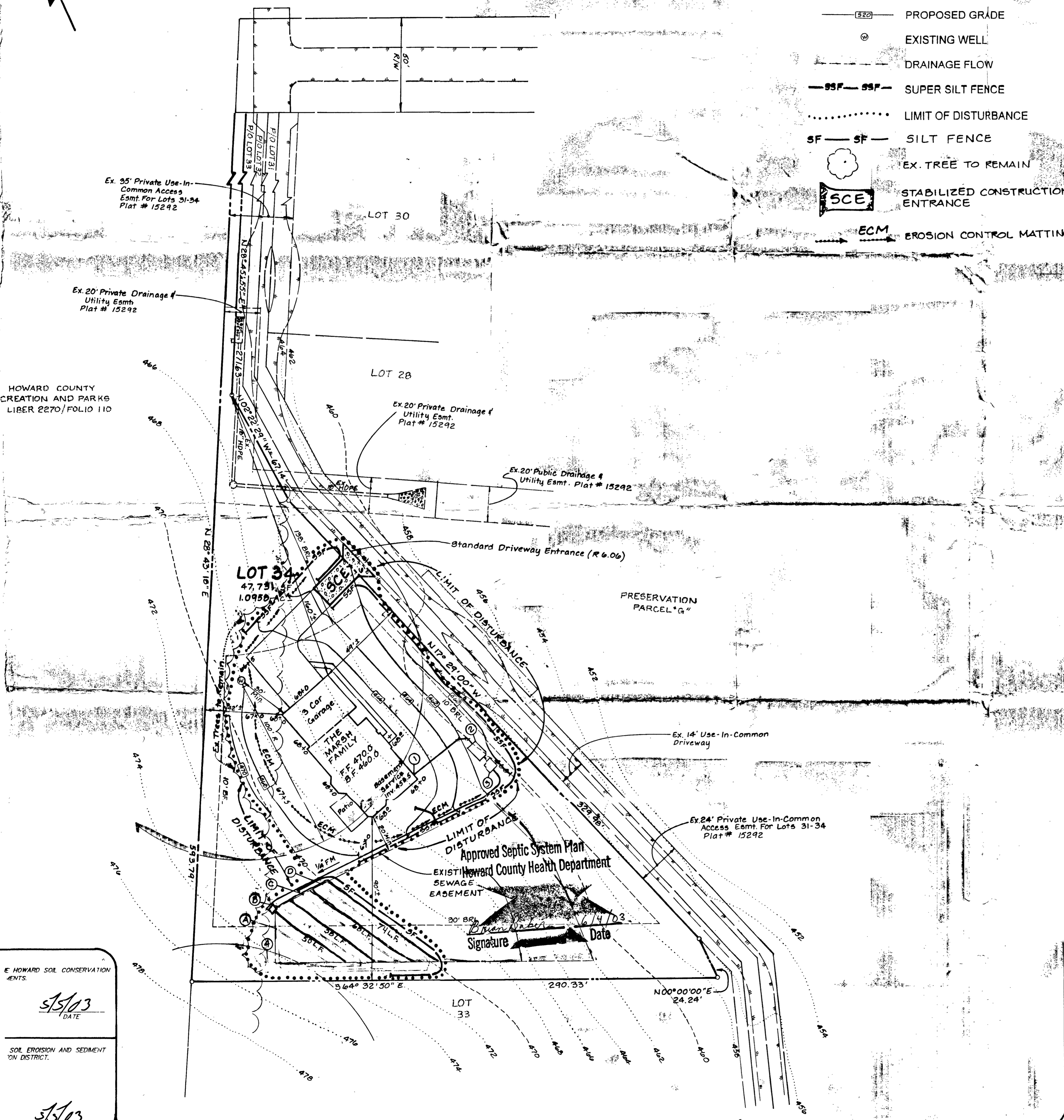
SENECA CHIEF TRAIL

LEGEND

- 520 --- EXISTING GROUND
- 520 — PROPOSED GRADE
- ⊙ EXISTING WELL
- DRAINAGE FLOW
- SF --- SUPER SILT FENCE
- LIMIT OF DISTURBANCE
- SF — SF — SILT FENCE
- ⊙ EX. TREE TO REMAIN
- SCS STABILIZED CONSTRUCTION ENTRANCE
- ECM EROSION CONTROL MATTING



VICINITY MAP
Scale: 1" = 2000'



- NOTES:**
1. EXISTING ZONING: RC (RURAL CONSERVATION)
 2. PLAT REFERENCE: 15292
 3. LIMIT OF DISTURBANCE: 23,500 SQ. FT. ±
 4. THE PROPOSED DRIVEWAY FOR THIS LOT SHALL BE A MINIMUM OF 10 FEET WIDE, 6" CRUSHER RUN WITH 2 1/2" MACADAM SURFACE.
 5. THE TOPOGRAPHY SHOWN IS TAKEN FROM THE HOWARD COUNTY AERIAL TOPOGRAPHY.
 6. SEE ARCHITECTURAL PLANS FOR BUILDING DIMENSIONS.

SEWAGE SYSTEM DESIGN DATA / LOT 34

1. Invert at Foundation Wall: 458.50 Basement Service
2. 1500 Gallon Septic Tank (4 Bedrooms)
Provide Manhole to Finished Grade
 - A. Ex. Ground Over Tank: 460.00
 - B. Prop. Grade Over Tank: 461.00
 - C. Invert In: 458.30
 - D. Invert Out: 458.00
3. 1500 Gallon Pump Pit
 - A. Ex. Ground Over Pit: 460.50
 - B. Prop. Grade Over Pit: 460.20
 - C. Invert In: 457.50
 - D. Invert Out: 458.00
4. Distribution Box: (Provide 4 Outlets Minimum)
 - A. Ex. Ground Over Box: 474.60
 - B. Prop. Grade Over Box: 474.60
 - C. Invert In: 471.60
5. Trench Design: 60 LF/Bedroom x 4 Bedrooms = 240 LF

	A	B	C	D
Ex. Ground Over Trench	473.00	472.00	471.00	470.00
Invert of Trench:	470.00	469.00	468.00	467.00
Bottom of Trench:	468.00	467.00	466.00	465.00
Trench Length:	40 LF	58 LF	68 LF	78 LF
Trench Width:	3 FT	3 FT	3 FT	3 FT

NOTE: TRENCH DESIGN MAY BE REVISED AT TIME OF INSTALLATION BASED ON SITE CONDITIONS

- NOTES: / LOT 34**
1. THE PROPOSED SEPTIC SYSTEM FOR THIS LOT REQUIRES A PUMP.
 2. PUMP CHAMBER TO BE A MINIMUM 1500 GALLON TOP SEAMED PUMP PIT WITH SINGLE INTELLENT PUMP. PUMP SHALL BE EQUIPPED WITH AUDIBLE AND VISUAL ALARM SYSTEM FOR HIGH WATER AND PUMP MALFUNCTION. ALARM SYSTEM SHALL BE INSTALLED ON A SEPARATE ELECTRICAL CIRCUIT. INSTALL CHECK VALVES AS REQUIRED.
 3. PROVIDE MANHOLE CLEANOUT TO FINISHED GRADE AT PROPOSED SEPTIC TANK AND THE PUMP CHAMBER.
 4. DETAILS AND SPECIFICATION OF THE PROPOSED PUMP WITHIN THE PUMP PIT TO BE SUPPLIED BY THE CONTRACTOR FOR REVIEW AND APPROVAL BY THE HOWARD COUNTY HEALTH DEPARTMENT PRIOR TO ISSUANCE OF A SEPTIC PERMIT.

Approved Septic System Plan
Howard County Health Department

Signature: *[Signature]*
Date: 6/4/03

LDE, INC.
9250 Rumsey Road, Suite 108, Columbia, MD. 21045
(410) 715-1070 (301) 596-3424 (410) 715-9540 (Fax)

DESIGNED: BDB	GRADING AND SEDIMENT CONTROL PLAN BRANTWOOD SECTION 3 AREA 3 LOT 34	SCALE: 1" = 30'
DRAWN: STB	TAX MAP 16 GRID 21 P/O PARCEL 205 3rd ELECTION DISTRICT HOWARD COUNTY, MD.	DRAWING 10F 2
CHECKED: BDB	Previous Submittals: WP 90-96, F90-128, WP99-55, 399-09 WP00-55, P00-03, F01-67, F01-73, F01-78	JOB NO: 01-077
DATE: 3/03	OWNER: BRANTWOOD L.L.C. 13090 Old Frederick Road Columbia, MD 21045 410-730-0810	FILE NO: GP 03 58

HOWARD SOIL CONSERVATION DISTRICT
5/5/03
DATE

SOIL EROSION AND SEDIMENT CONTROL DISTRICT
5/5/03
DATE

12/31 morning

HOWARD COUNTY HEALTH DEPARTMENT
BUREAU OF ENVIRONMENTAL HEALTH
WATER AND SEWERAGE PROGRAM
TEL: (410)313-2640 FAX: (410)313-2648

Sorry I forgot to put the Lot # & Well Tag # on the copy I just FAXED

Information Form for the Installation of the Well Pump, Pitless Adap

NOTE: The installer is responsible for requesting an inspection prior to 9 am inspection. No work is to be covered until approved by the Health Department with the National Standard Plumbing Code (NSPC, as amended locally) and C 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 Barnett Avenue
Sykesville, 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 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: Nantuxa-Dersey, Inc Telephone #: 410-442-8200
Subdivision: BRANTWOOD II Lot #: 34 Well Tag #: HO-94-3089
Site Address: 3129 SENECA CHIEF TRAIL
ELLICOTT CITY, MD 21042

Submersible Pump Data Pitless Adapter Well Cap and Electric Conduit
Make: Sta-Rite Make: Campbell Two piece watertight cap:
Model #: 7SPHD24L Model#: PA 800 Screened, vented well cap:
Pump Capacity: 7 GPM Depth: 42" (36" min) Cap secured to casing:
Well Yield: 15 GPM NSF approved: Conduit min 18" B.G.:
Depth of well encountered at time of pump installation: _____ (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 or Cable guards are required - Must circle one

Safety rope, if used, attached to inside of well casing with eye bolt _____

Piping to house House Connection
Type: 1" dia PVC sleeved to undisturbed soil at wall penetration:
PSI: 200 (160 psi min) Approximate length of sleeve: 5'
Depth of supply line: (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.

Robert L. Feezer 12/30/2003
Signature of company representative responsible for installation date

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

Date Insp. Requested: 12/31 Date Insp. Approved: 12/31/03
Inspection Data: Pitless adapter and water supply line at least 36" below grade
Two piece cap installed and attached to casing securely
Elec. conduit extends at least 18" 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 grout observed below pitless adapter

12/31/03 - sleeve a 10' separation from septic tank.

11/2/04 Feezer called & said sleeving done. will submit pictures to go ahead and cover KN

1/5/04 - Received picture of well line. OK to cover

C1 0728

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

ST/CO USE ONLY

DATE WELL COMPLETED

Depth of Well

PERMIT NO. FROM "PERMIT TO DRILL WELL"

DATE RECEIVED MM DD YY

07 26 2001

22 450 26 (TO NEAREST FOOT)

9/4/01 OK (BE) 40-94-3089

OWNER Brantwood LLC STREET OR RFD Seneca Chp & Trail TOWN W Friendship SUBDIVISION Brantwood 3/3 SECTION LOT 7 34

WELL LOG

Not required for driven wells

GROUTING RECORD

WELL HAS BEEN GROUTED (Y) (N) TYPE OF GROUTING MATERIAL (C) (M) (B) (C) NO. OF BAGS 6 NO. OF POUNDS 600 GALLONS OF WATER 36 DEPTH OF GROUT SEAL (to nearest foot) from 0 to 24 ft.

C 3

PUMPING TEST

HOURS PUMPED (nearest hour) 3/8 9 PUMPING RATE (gal. per min.) 15.0 METHOD USED TO MEASURE PUMPING RATE Submersible WATER LEVEL (distance from land surface) BEFORE PUMPING 103 ft. WHEN PUMPING 124 ft. TYPE OF PUMP USED (for test) S submersible

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 Overburden, Limestone, and water at 30', 380' & 430'.

CASING RECORD

MAIN CASING TYRE PL 6 24. Includes casing types insert appropriate code below: ST (STEEL), CO (CONCRETE), PL (PLASTIC), OT (OTHER).

OTHER CASING (if used)

Table for other casing with columns for diameter and depth.

SCREEN RECORD

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

C 2

DEPTH (nearest ft.)

Table showing depth measurements in feet for various casing sections.

NUMBER OF UNSUCCESSFUL WELLS: 0

WELL HYDROFRACTURED (Y) (N)

CIRCLE APPROPRIATE LETTER: A (WELL ABANDONED AND SEALED), 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. M W D 399

DRILLERS SIGNATURE (MUST MATCH SIGNATURE ON APPLICATION) LIC. NO. M W D 241

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

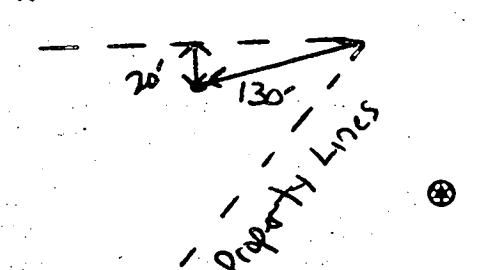
MDE USE ONLY (NOT TO BE FILLED IN BY DRILLER)

TELESCOPE CASING LOG INDICATOR OTHER DATA

PUMP INSTALLED

DRILLER INSTALLED PUMP (CIRCLE) (YES or 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 LAND SURFACE (-) below (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)



B 1 7082

SEQUENCE NO. (MDE USE ONLY)

STATE OF MARYLAND PERMIT TO DRILL WELL W515213 please print or type

STATE PERMIT NUMBER HD-94-3089 fill in this form completely

Date Received (APA) 042301

OWNER INFORMATION

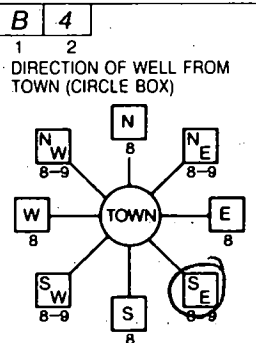
Brantwood LLC, 8835 P Columbia 100 Pkwy, Columbia MD 21045

LOCATION OF WELL: Howard County, Brantwood Subdivision, Section 3, Lot 701, Area 3, West Friendship, 2 miles from town.

DRILLER INFORMATION

Paul M. Fabiszak, MW D 399, G. Edgar Harr Sons' Copp., 12047 Falls Road, Cockeysville 21030, 4/18/01

Seneca Chief Road, 300 feet from road, Seneca Chief Road, 300 feet from road, 4/18/01

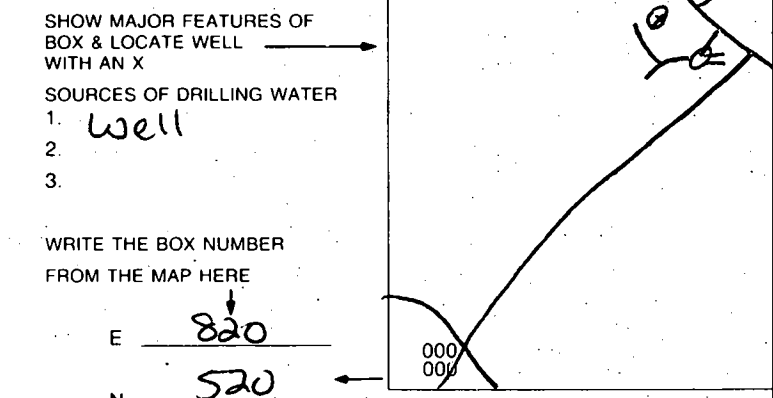


WELL INFORMATION: APPROX. PUMPING RATE 5 GAL. PER MIN., AVERAGE DAILY QUANTITY NEEDED 750 GAL. PER DAY

USE FOR WATER: DOMESTIC POTABLE SUPPLY & RESIDENTIAL IRRIGATION (D)

NOT TO BE FILLED IN BY DRILLER HEALTH DEPARTMENT APPROVAL: Howard Co, 13, DATE ISSUED 04/30/01, EXP. DATE 4/30/02

APPROXIMATE DEPTH OF WELL 250 FEET, APPROXIMATE DIAMETER OF WELL 6 INCH



METHOD OF DRILLING: AIR-ROtary, AIR-PERcussion, ROTARY (Hydraulic Rotary)

REPLACEMENT OR DEEPEMED WELLS: THIS WELL WILL NOT REPLACE AN EXISTING WELL (N)

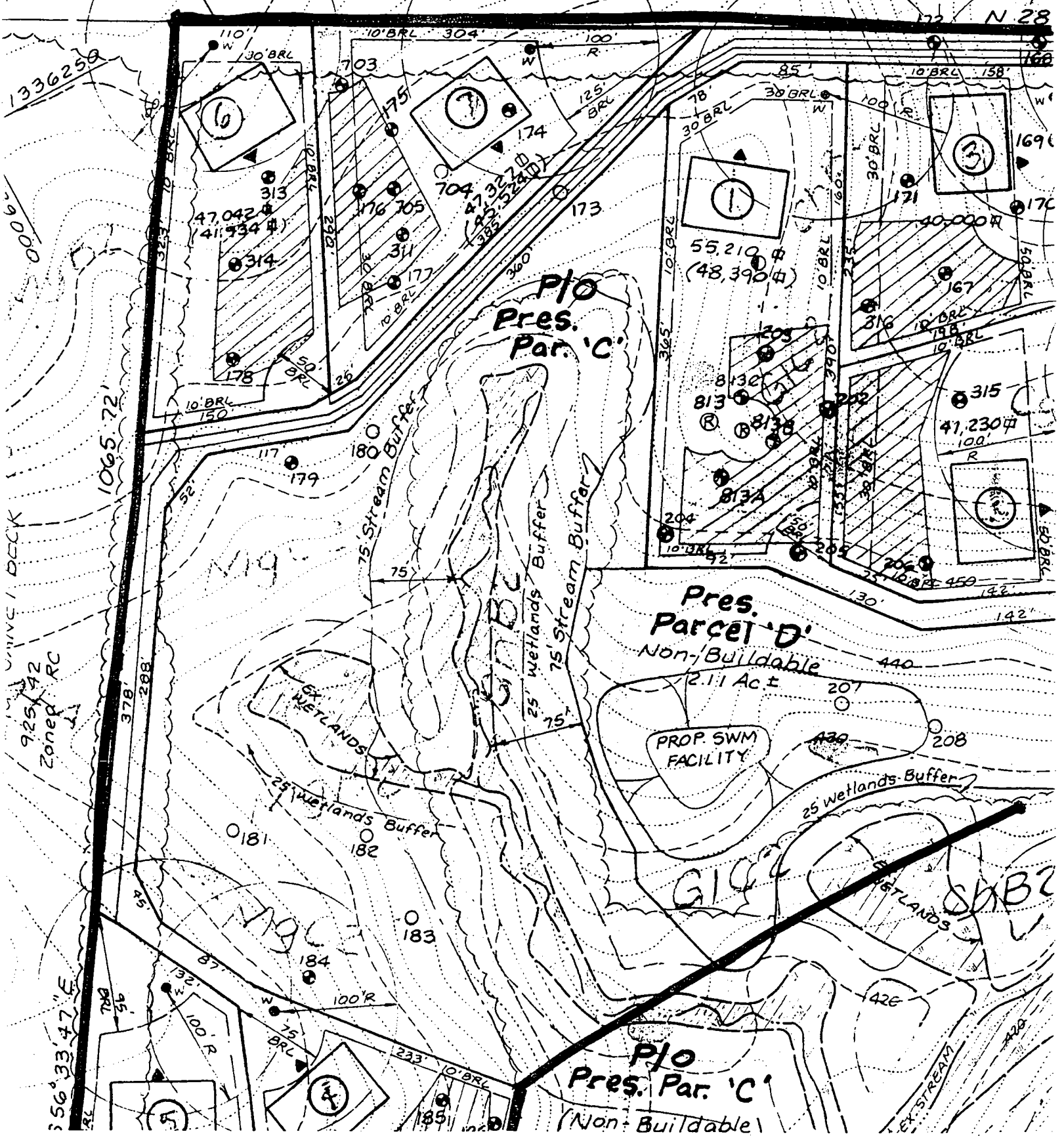
APPROX. PERMIT NUMBER G, PERMIT No. HD-94-3089

SPECIAL CONDITIONS: APPROVING AUTHORITY'S SHOULD USE SEPARATE SHEET IF NEEDED

1 BANKS FIELD
ESTATES OF 14
10450

4/30/01
Well side stated
by surveyor
WDE HB2
Star

G102



UNFINISHED DECK
925.42
Zoned RC

356.33 47.7 E

Plo
Pres. Parcel 'C'
(Non-Buildable)

Pres. Parcel 'D'
Non-Buildable
2.11 Act

PROP. SWM FACILITY

EX WETLANDS

25 Wetlands Buffer

75' Stream Buffer

25' Wetlands Buffer

75' Stream Buffer

Plo
Pres. Parcel 'C'

10000

1336250

110' W
30' BRL

100' R

125' BRL

100' R

100' R

100' R

100' R

N 28

169

169

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APPLICATION

PERCOLATION TESTING

A 510571 X

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. 2411

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]
(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 X

COUNTY #

SOIL PROFILE

173

orange
brown
siltm
cave-in
at 9.0'
redox
features
at 9-10'

WATER

176

Orange
cl m

beige
siltm

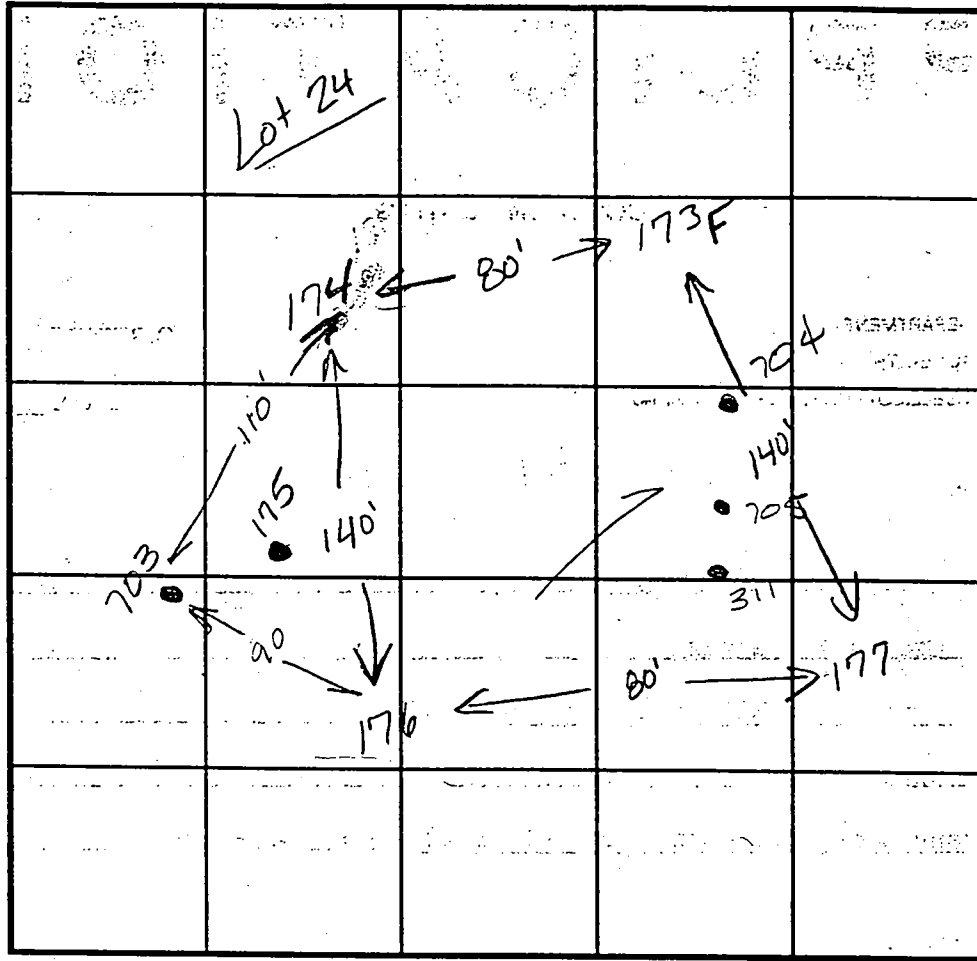
10%
Shale
frags

174

orange
cl m

beige
orange
siltm

quartz
frags
mica
flocs
possible
water



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

SOIL PROFILE

177

orange
brown
cl m

beige/
orange
siltm

15%
shale
frags
mica
flocs

311

orange
cl m

br/or
siltm
feldspar

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
8-20-98	173	12.0'D	FAILED	DUE TO WATER			F
	176	13.0'D	visual	only	OK	see profile	
	174	3.0'S	12:26:05	12:27:30	12:27:30	12:34	6:30
		10.0'D	visual	OK	see profile		
	177	3.0'S	12:21:20	12:26:10	12:26:10	12:35:10	9min
		9.0'D	visual	OK	see profile		
11-8-99	175	Visual to 12.0	see profile				OK
	311	11.05'D	visual	only	OK	see profile	

REMARKS test holes staked by surveyor

TYPE OF SOIL _____

TESTED BY Kim Maisto ALSO PRESENT Tim Fagan

TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME 7-8 minutes TRENCH WIDTH _____

INLET DEPTH _____ MAXIMUM BOTTOM DEPTH _____ SQ. FT./BEDROOM 210

APPLICATION

PERCOLATION TESTING

A 510571 Y

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. 2512

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 y

COUNTY #

SOIL PROFILE

178

orange brown cl 1m

beige siltm mica flecs

2.5'

177

orange brown clay 1m

3'

beige orange siltm

9'

15% shale frags mica flecs

180

brown

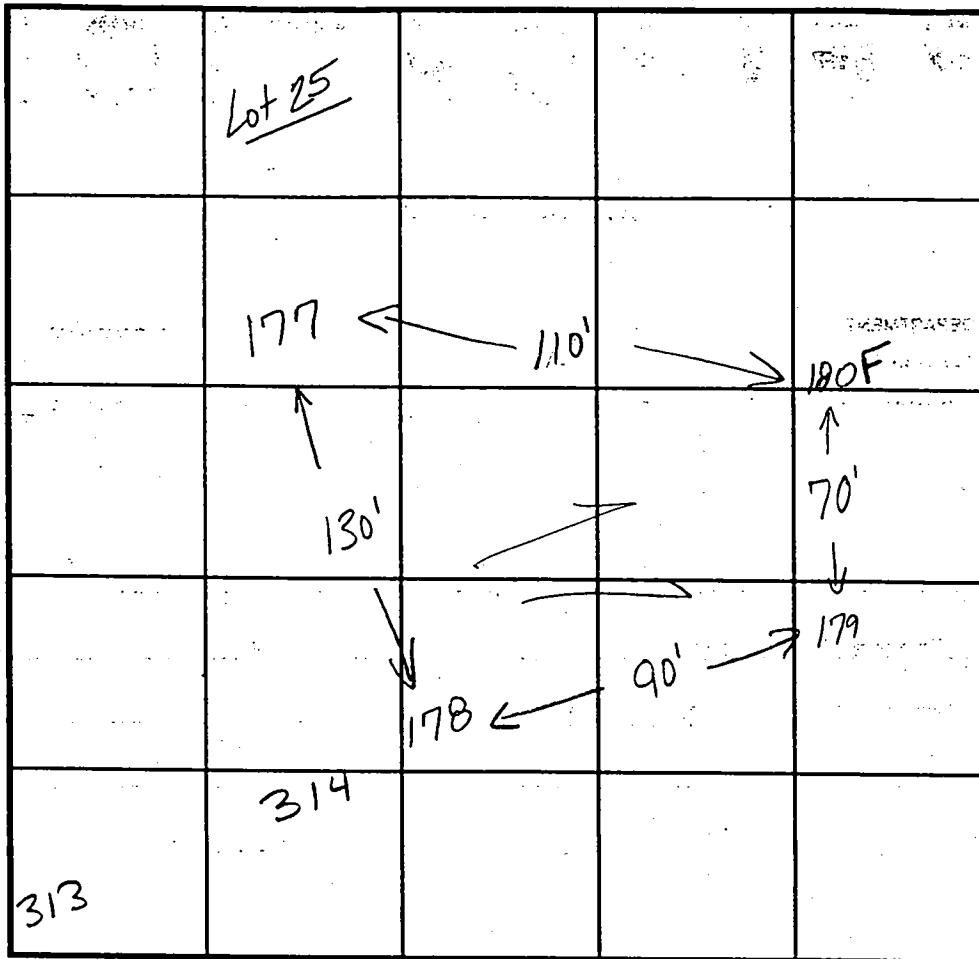
dark brown

siltm mica flecs

0'

0.5'

WATER



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

SOIL PROFILE

179

brown cl 1m

2.5'

beige siltm mica flecs 10% shale

12'

314

or / br cl 1m

2'

beige tan siltm feldspar

10.5'

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME	
			START	STOP	START	STOP		
8.24.98	177	3.0'S	12:21:20	12:26:10	12:26:10	12:35:10	9min	
		9.0'D	visual	ok	- see profile			
	179	3.0'S	12:40:45	12:41:45	12:41:45	12:43:45	2min	
		12.0'D	visual	ok	- see profile			
	178	11.5'D	visual	only	- ok see profile			
	180	10.5'D	FAILED DUE TO WATER				F	
	313	SAME AS HOLE # 314						
	314	2.5'S	2:30:05	2:30:45	2:30:45	2:31:30	fast	
		(repair)	2:35:10	2:36:10	2:36:10	2:37:45	2:35	

REMARKS test holes staked by surveyor

TYPE OF SOIL

TESTED BY Kim Maiste ALSO PRESENT Tim Fega

TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME 5-6 minutes TRENCH WIDTH

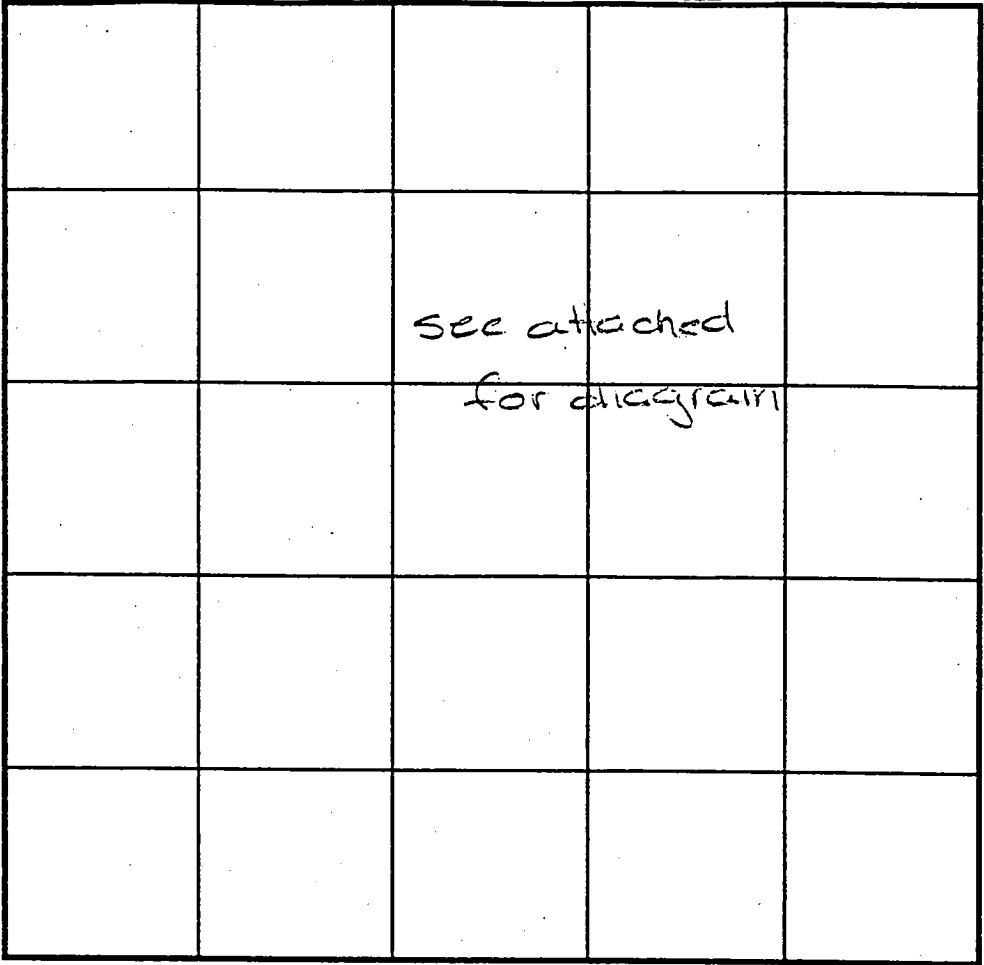
INLET DEPTH MAXIMUM BOTTOM DEPTH SQ. FT./BEDROOM 180

A510571X
COUNTY#

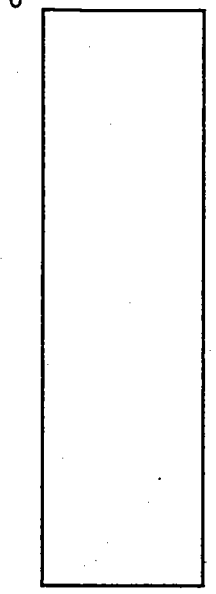
Brantwood III

SOIL PROFILE
703 705

0'
dark red
SiClm
3.0
dark brown
Si.Salm
micaceous
10%
Rx
1.0



SOIL PROFILE



704
no distinct
clay
layer
dull
brown
Si.Salm
50.6%
patch
Rx
vertically
running
down
hole
1.0

INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
3-31-99	703	Visual	to 12.0	- see profile	-	-	OK
	704	> 50% rock	-	see profile	-	-	F
	705	Visual	to 12.0	- see profile	-	-	OK
11-8-99	175	Visual	to 12.0	see profile	-	-	OK

175
orange
brown
SiClm
3.0
dark
brown
Salm
10%
Rx
2.0

REMARKS _____

TYPE OF SOIL _____

TESTED BY Amy McMillen ALSO PRESENT Tim Fraga

TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME _____ TRENCH WIDTH _____

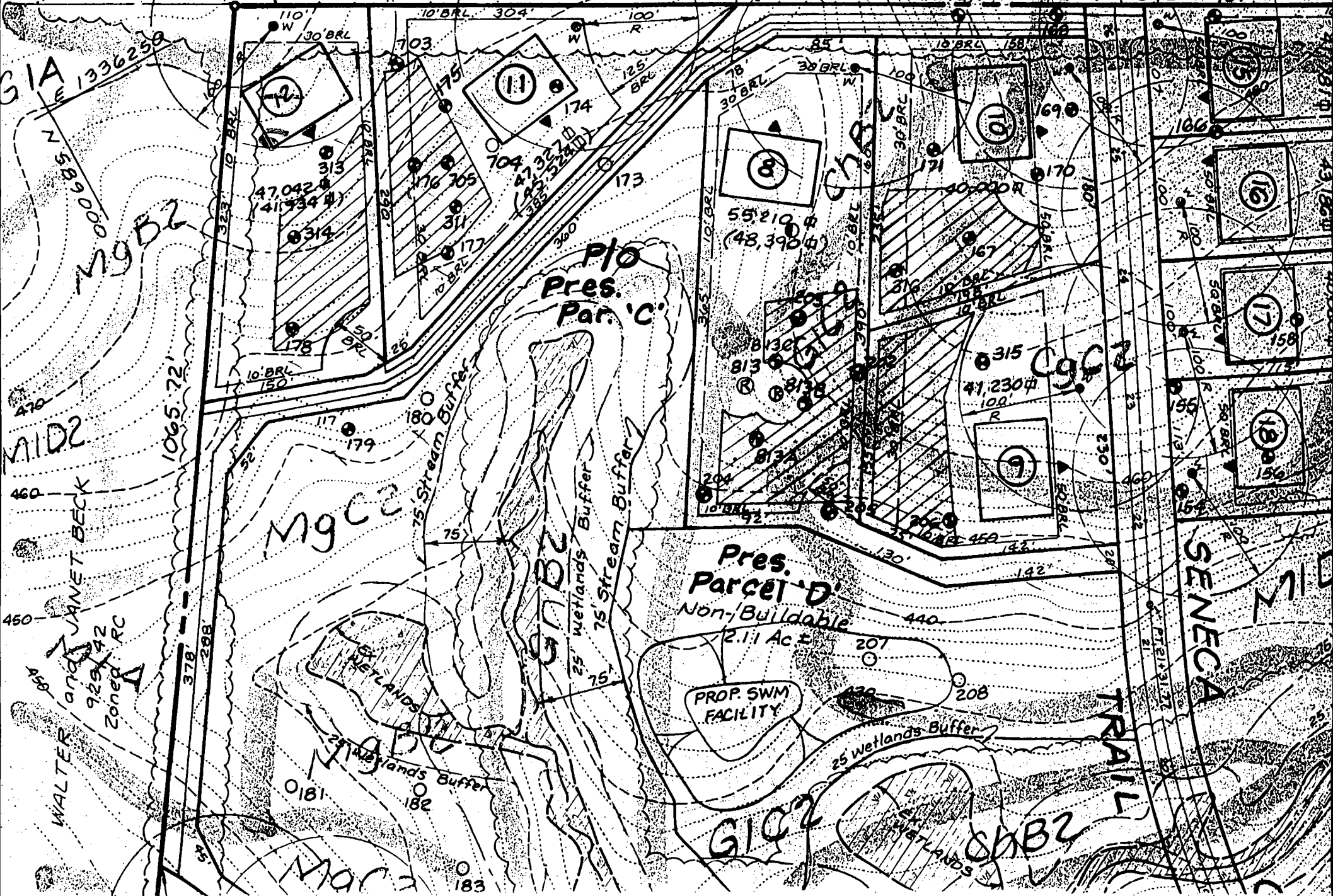
INLET DEPTH _____ MAXIMUM BOTTOM DEPTH _____ SQ. FT./BEDROOM _____

10446
D.R.C

Prec Cert
5/8/00

ChB2

N 28° 43' 18" E 167



GIA
E 1336258
M9B2

M9D2
WALTER and JANET BECK
929,742
Zoned RC

M9C2

P/O
Pres. Parcel C

Pres. Parcel D
Non-Buildable
2.11 Ac ±

SENECA TRAIL

G1C2

ChB2

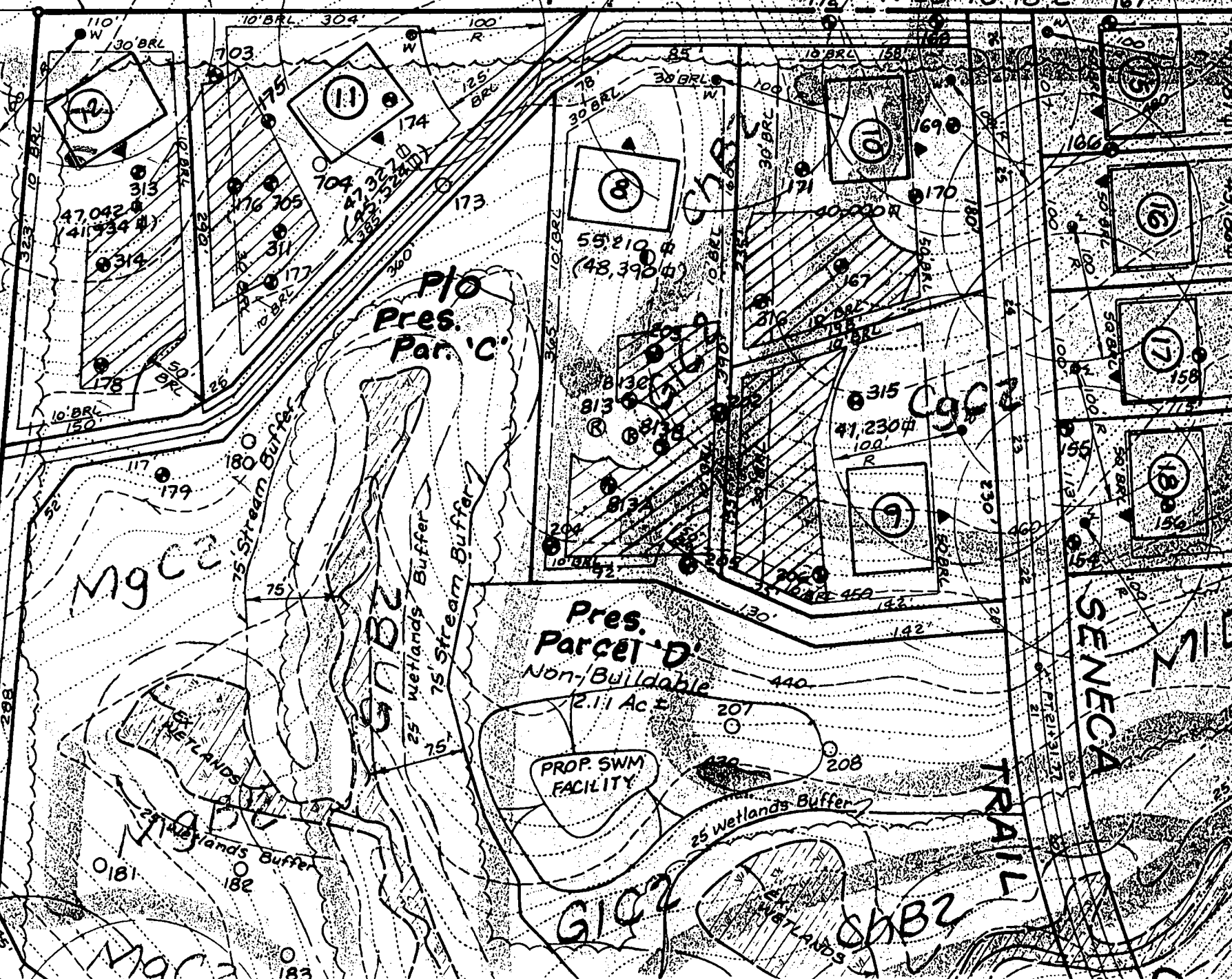
Mac

1065.72'

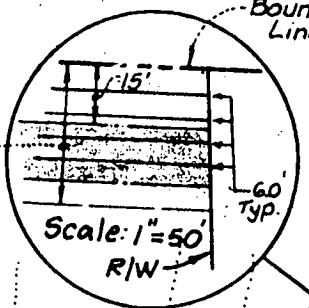
470
460
450

378'
288'

35'



P. 00.04
S. 17.00



35' Private Access Esmt. For Lots 11-14

35' Private Access Esmt. For Lots 9, 11-14

Temporary Tee Turnaround w/ Dead End Barricade Ho/Ca Std. R 9.05 & 7.10

HOWARD COUNTY R 2227/ Zoned

LIMIT OF Sta. 26+

N 28° 43' 18" E

ASEMENT #1095-DIE "BECK

12
47,042 #
(21,934 #)

11
47,327 #
(45,524 #)

8
55,210 #
(48,340 #)

10
40,000 #

9
41,230 #

Pla
Preservation
Parcel C
(Non-Buildable)
8.19 AC ±

14 Wide use-In-Common Driveway for Lots 11-14

7' Buffer
7' Stream Buffer

18' Aving w/ 2' Shoulder

10' BRL

44,083 #

40,000 #

43,186 #

41,781 #

Speed Control Turn

60

1336259

1065.72

122.561

117

115

113

111

109

107

105

103

101

99

97

95

93

91

89

87

85

83

81

79

77

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-427

-429

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-447

-449

-451

3
40,032 SF
0.9190 Ac+/-

1
57,531 SF
1.3207 Ac+/-

7
47,731 SF
1.0958 Ac+/-

6
47,049 SF
1.0801 Ac+/-

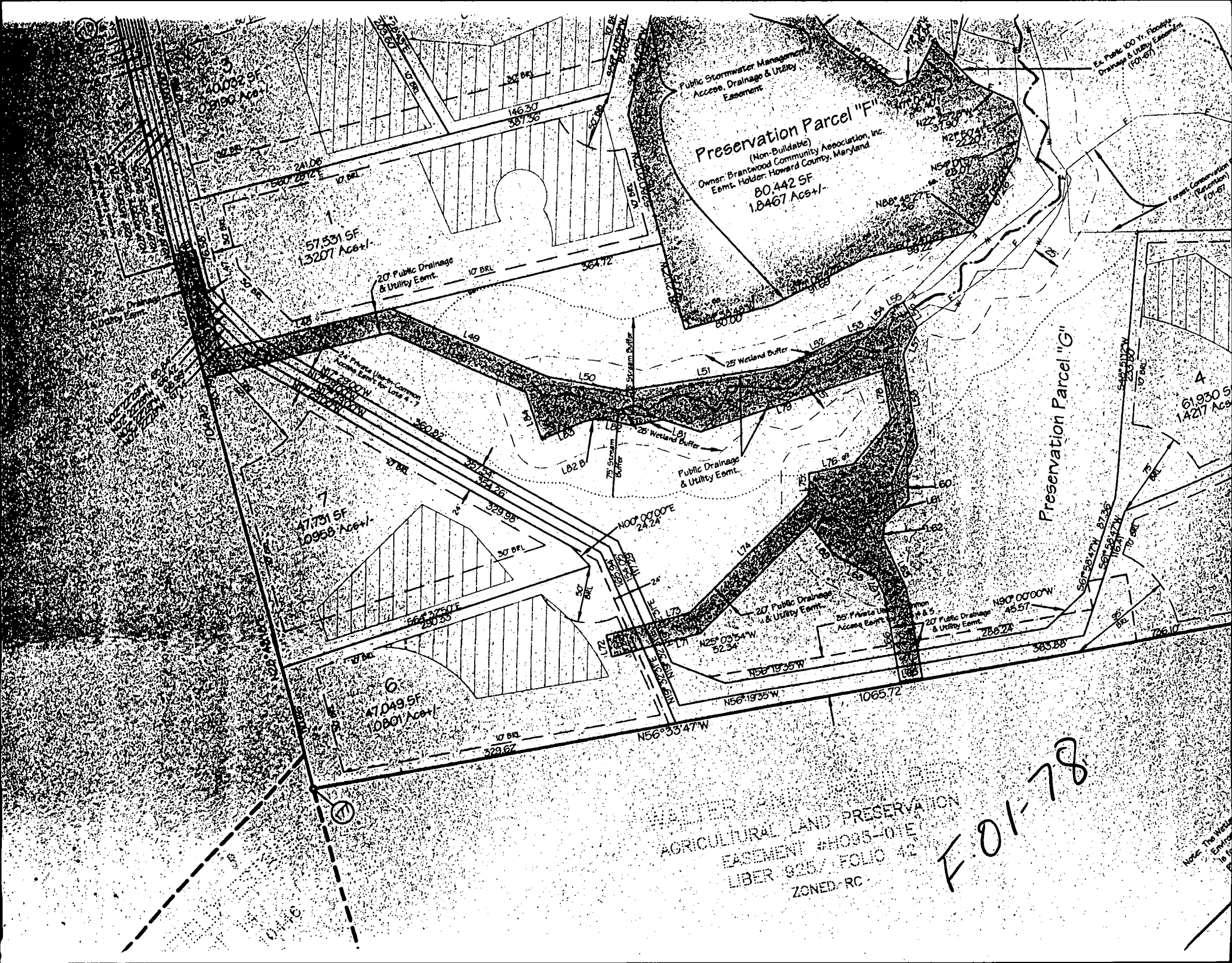
Preservation Parcel "F"
(Non-Buildable)
Owner: Brantwood Community Association, Inc.
Emt. Holder: Howard County, Maryland
80,442 SF
1.8467 Ac+/-

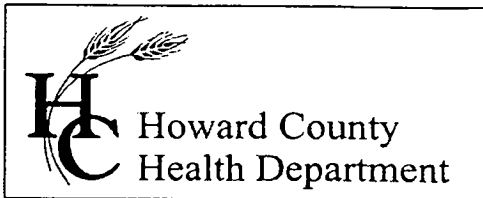
4
61,930 SF
1.4217 Ac+/-

Preservation Parcel "G"

WATER
AGRICULTURAL LAND PRESERVATION
EASEMENT #H035-01E
LIBER 9257 FOLIO 42
ZONED-RC

F-01-78





3525 H Ellicott Mills Drive, Ellicott City, MD 21043
(410) 313-2640 Fax (410) 313-2648
TDD (410) 313-2323 Toll Free 1-866-313-6300
website: www.hchealth.org

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

February 17, 2004

Nantucket Homes/ Dorsey
13090 Old Frederick Road
Sykesville, MD 21784

SENT VIA FACSIMILE 410-442-8221

RE: 3129 Seneca Chief Trail
Brantwood 3/3, Lot 34
BP # B00141767
Well Permit # HO-94-3089

Dear Sirs:

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 02/13/2004.**

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-94-3089. 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 Sample: 02/09/2004
Date of Well Completion: 07/26/2001

Respectfully,

Brian Baker, R. S.
Well and Septic Program

BB/mlb

cc: Building Inspector's Office
Community Services Program
File