

LAYOUT 9/15/03 ^{9:30} P.M. INSP 4 _____
 INSP 2 9/24/03 10:30 ~~AM~~ INSP 5 _____
 INSP 3 9/26/03 12:30 INSP 6 _____

ISSUE DATE: 9/3/2003
 APPROVAL DATE: 9/26/03

**PERMIT
INDEXED**

P 519558
 A 510575-G

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

03-338932

WTC III _____ IS PERMITTED TO INSTALL ALTER
 ADDRESS: 1820 Gillis Falls Road, Woodbine PHONE NUMBER: 410-489-4457
 SUBDIVISION: Brantwood 3/3 LOT NUMBER: 33 (aka 6)
 ADDRESS: 3125 Seneca Chief Trail PROPERTY OWNER: Nantucket Dorsey Homes
 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: 240 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 as shown on the approved plan, unless changes at alyout inspection.
NOTES:	No basement gravity service proposed.

PLANS APPROVED: Stuart Oster 9/3/03 O.K. (BB) DATE: 5/27/03

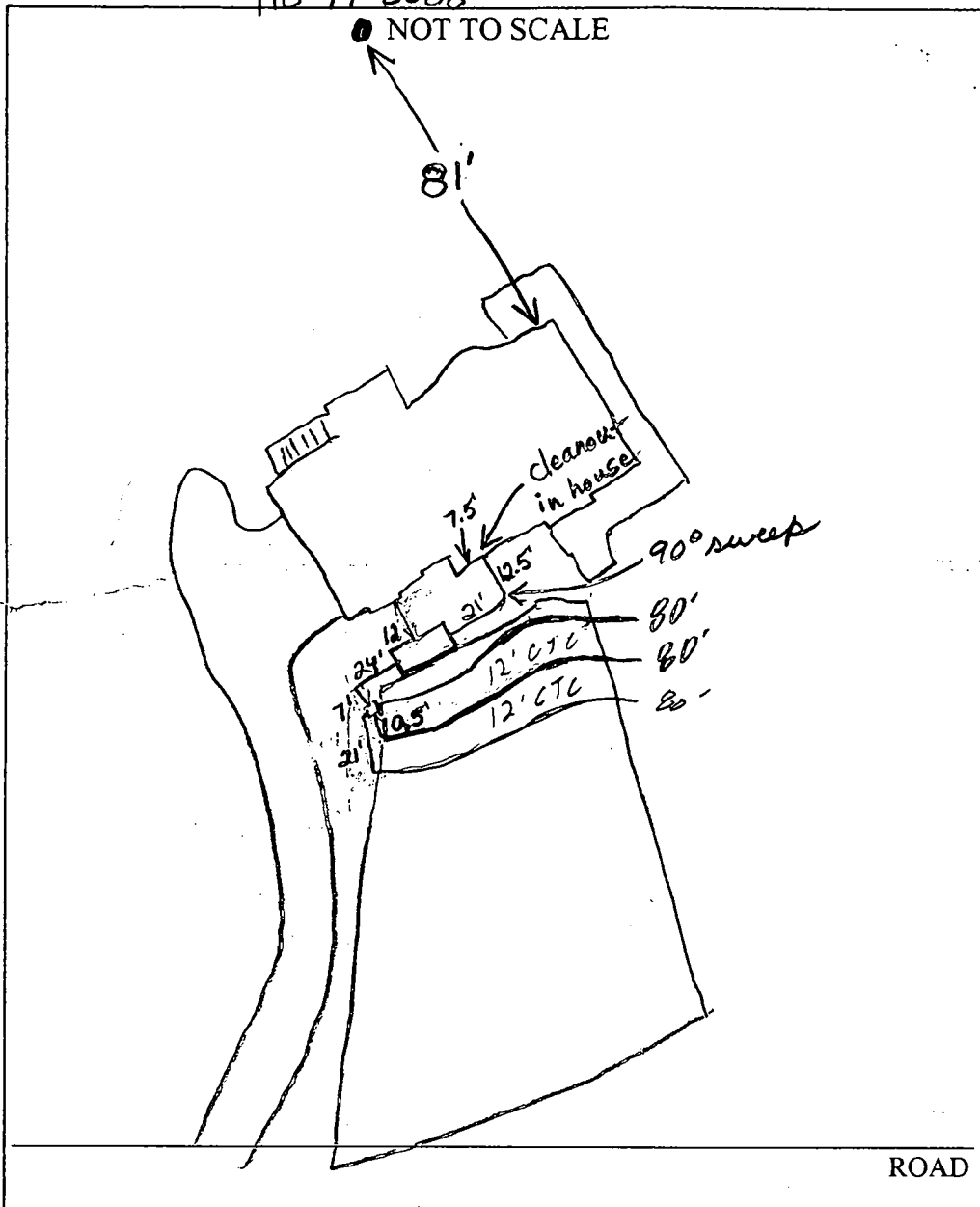
NOTES: PERMIT VOID AFTER 2 YEARS
 CONTRACTOR IS RESPONSIBLE FOR SCHEDULING A PRE-CONSTRUCTION INSPECTION FOR ALL INSTALLATIONS
 WATERTIGHT SEPTIC TANKS REQUIRED
 ALL PARTS OF SEPTIC SYSTEM SHALL BE 100 FEET FROM ANY WATER WELL UNLESS SPECIFICALLY AUTHORIZED
 MANHOLE RISERS REQUIRED ON ALL SEPTIC TANKS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

AS10575-G

HO-94-3088

● NOT TO SCALE



TRENCH/DRAINFIELD DATA		
WIDTH	INLET	BOTTOM
3	3	5
NUMBER OF TRENCHES		3
TOTAL LENGTH _____		
ABSORPTION AREA _____		
DISTRIBUTION BOX LEVEL <input checked="" type="checkbox"/>		
DISTRIBUTION BOX BAFFLE <input checked="" type="checkbox"/>		
DISTRIBUTION BOX PORT <u>No</u>		

SEPTIC TANK DATA	
SEPTIC TANK 1 LEVEL	<input checked="" type="checkbox"/>
CAPACITY	1250 GAL
SEAM LOC	Top
TANK LID DEPTH	~1'
BAFFLES	<input checked="" type="checkbox"/>
BAFFLE FILTER	No
MANHOLE LOC	Front
6" PORT LOC	_____
WATERTIGHT TEST	No
SEPTIC TANK 2 LEVEL	N/A
CAPACITY	_____ GAL
SEAM LOC	_____
TANK LID DEPTH	_____
BAFFLES	_____
BAFFLE FILTER	_____
MANHOLE LOC	_____
6" PORT LOC	_____
WATERTIGHT TEST	_____

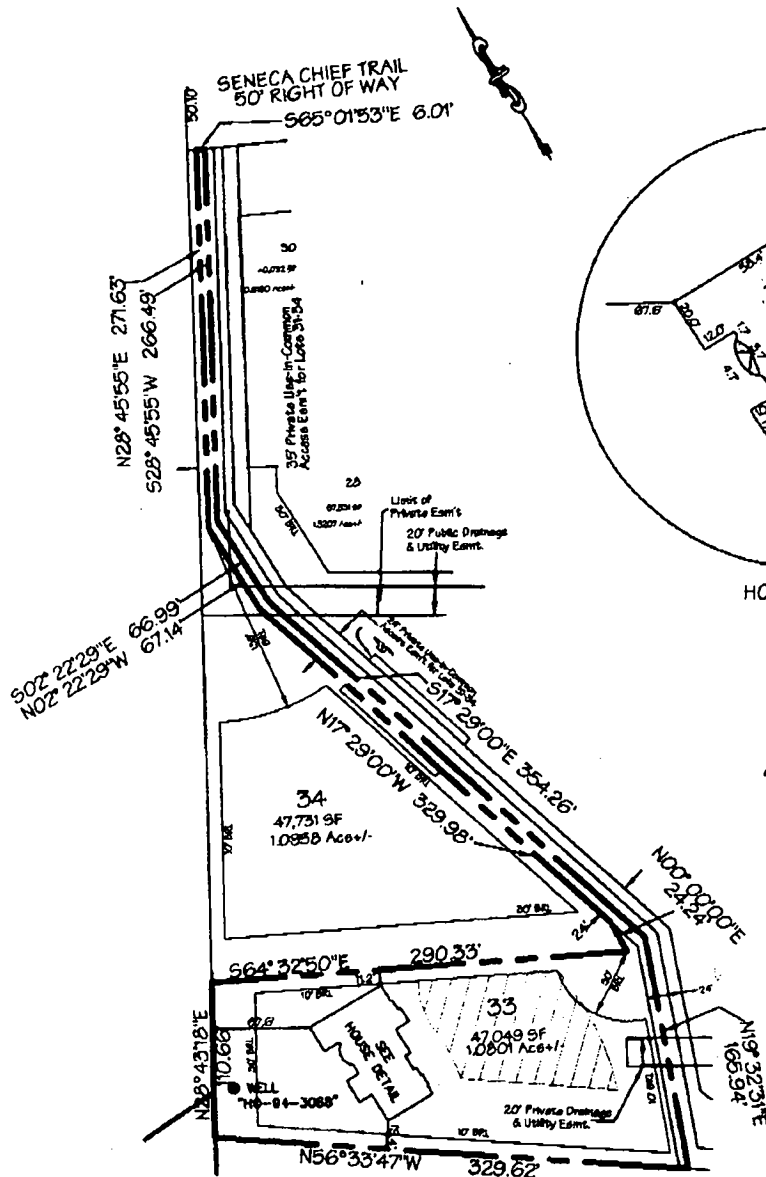
PRE-CONSTRUCTION 9/5/03 - SRA staked, contour accurate. Install per BR (50)

INSTALLATION 9/24/03 - Tank set, 2 trenches installed (50)
9/24/03 Last trench started - leave end open. Need tank baffles and cleanout: (BR) 9/26/03 - OK to cover all work

FINAL INSPECTOR [Signature] DATE OF APPROVAL 9/26/03

PROPERTY KNOWN AS:
LOT 33
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 = 480.50'

CERTIFICATION

SEAL

SCALE AS NOTED

DATE 08/12/03

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

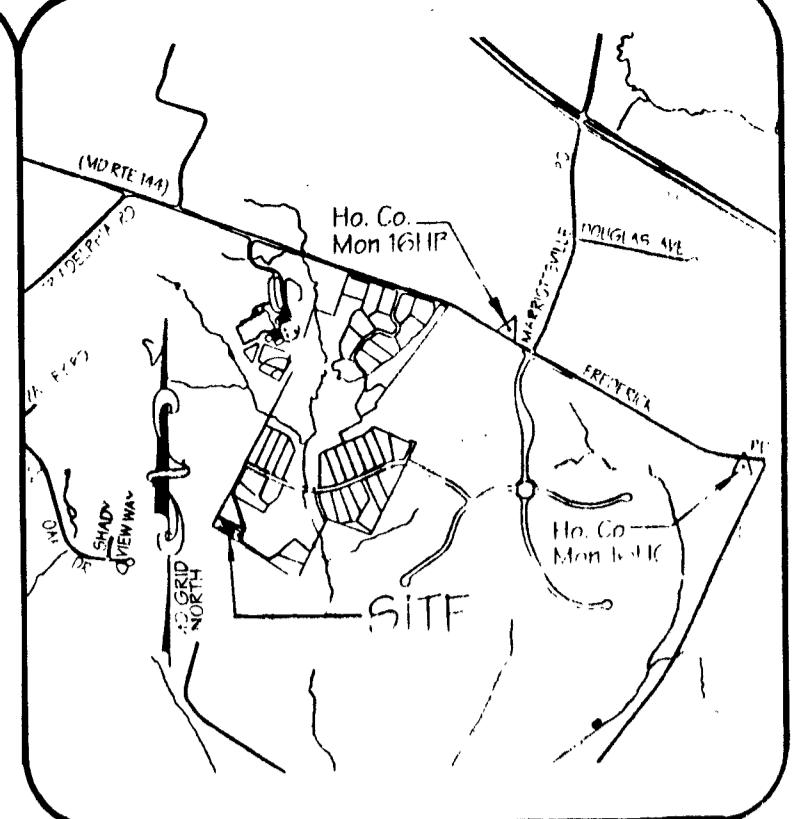
LOT 33 SENACA CHIEF TRAIL

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.



LDE Inc.
Engineers, Surveyors, Planners

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



VICINITY MAP
Scale: 1" = 2000'

LEGEND

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

NOTES:

1. EXISTING ZONING: RC (RURAL CONSERVATION)
2. PLAT REFERENCE: 15252
3. LIMIT OF DISTURBANCE: 21,500 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 33:

1. Invert at Foundation Wall: 473.50 (Wall Hung) (Interior Pump Required For Basement Service)
2. 1500 Gallon Septic Tank (4 Bedrooms) Provide Manhole To Finished Grade
 - A. Ex. Ground Over Tank: 474.40
 - B. Prop. Grade Over Tank: 475.20
 - C. Invert In: 472.50
 - D. Invert Out: 472.20
3. Distribution Box: (Provide 4 Outlets Minimum)
 - A. Ex. Ground Over Box: 474.10
 - B. Prop. Grade Over Box: 475.00
 - C. Invert In: 472.00
4. Trench Design: 60 LF / Bedroom X 4 Bedrooms = 240 LF

	(A)	(B)	(C)	(D)
Ex. Ground Over Trench:	473.80	472.80	472.00	471.00
Invert of Trench:	470.80	469.80	469.00	468.00
Bottom of Trench:	468.80	467.80	467.00	466.00
Trench Length:	25 LF	55 LF	75 LF	85 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.

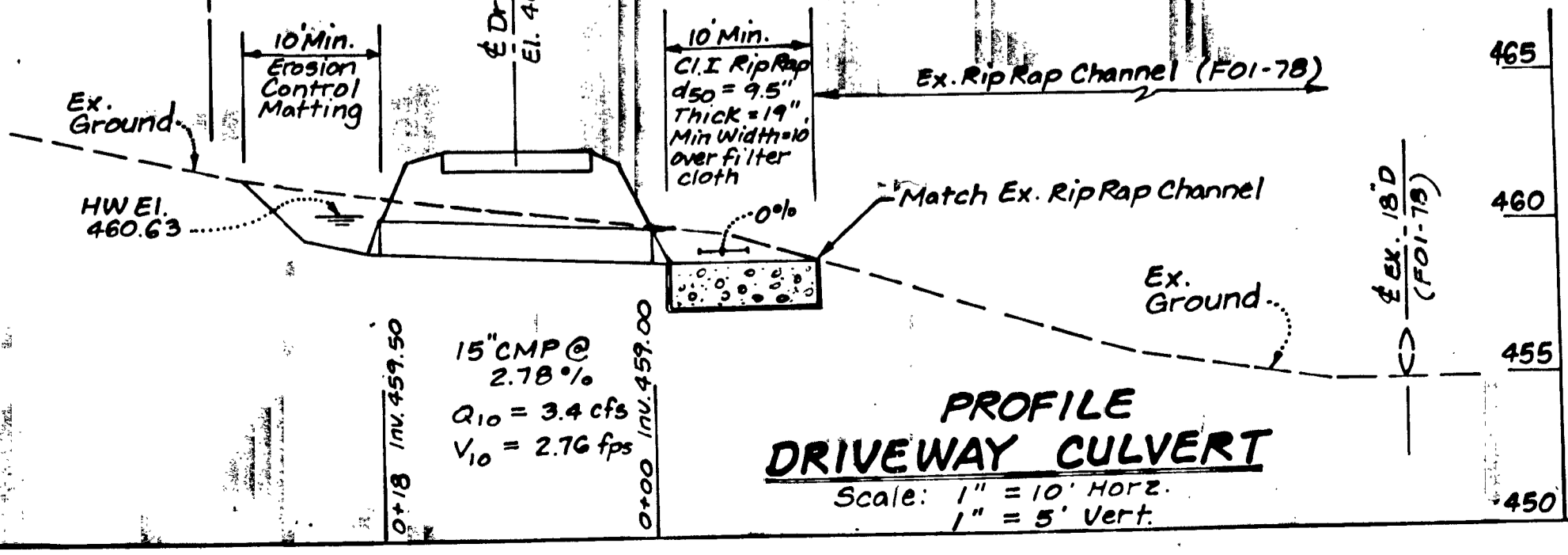
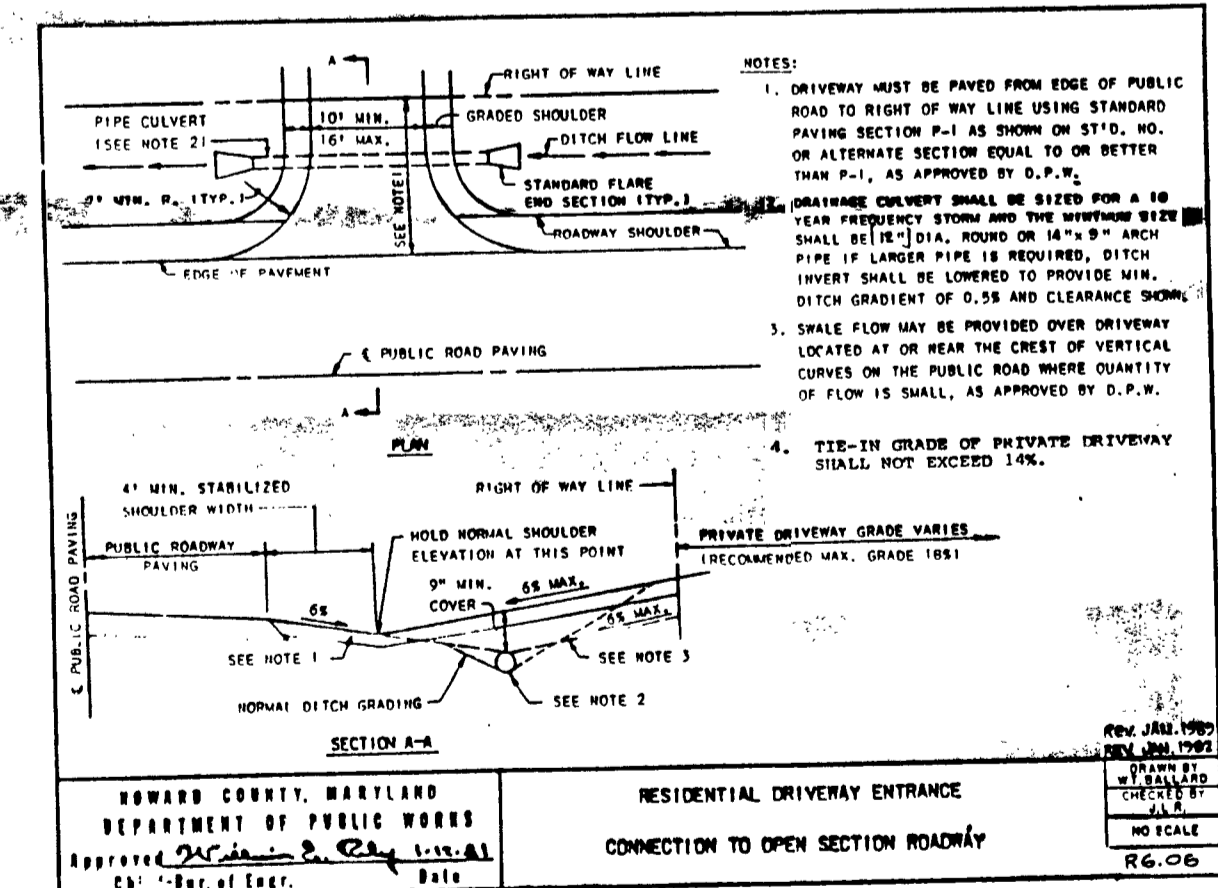
HOWARD COUNTY
RECREATION AND PARKS
LIBER 2270/FOLIO 110

HAWKSFIELD ESTATES
LOT 14
PLAT NO. 10444

Approved Septic System Plan
Howard County Health Department

Signature: *Walter Beck*
Date: 5/13/03

WALTER AND JANET BECK
AGRICULTURAL LAND PRESERVATION
EASEMENT # H095-01E
LIBER 925/FOLIO 42



ENGINEER'S CERTIFICATE
I HEREBY CERTIFY THAT THIS PLAN FOR SOIL EROSION AND SEDIMENT CONTROL REPRESENTS A PRACTICAL AND WORKABLE PLAN BASED ON MY PERSONAL KNOWLEDGE OF THE SITE CONDITIONS AND THE REQUIREMENTS OF THE HOWARD COUNTY SOIL CONSERVATION DISTRICT.
Signature: *Bruce D. Burton*
Date: 5/13/03

THESE PLANS HAVE BEEN REVIEWED FOR THE HOWARD SOIL CONSERVATION DISTRICT AND MEET THE TECHNICAL REQUIREMENTS.
Signature: *Jim Murray*
Date: 5/13/03

DEVELOPER'S CERTIFICATE
I HEREBY CERTIFY THAT ALL DEVELOPMENT AND/OR CONSTRUCTION WILL BE DONE ACCORDING TO THESE PLANS AND THAT ANY RESPONSIBLE PERSONNEL INVOLVED IN THE CONSTRUCTION PROJECT WILL HAVE A CERTIFICATE OF ATTENDANCE AT A DEPARTMENT OF THE ENVIRONMENT APPROVED TRAINING PROGRAM FOR THE CONTROL OF SEDIMENT AND EROSION BEFORE BEGINS THE PROJECT. I ALSO AUTHORIZE PERIODIC ON-SITE INSPECTION BY THE HOWARD SOIL CONSERVATION DISTRICT OR THEIR AUTHORIZED AGENTS, AS AND WHEN NECESSARY.
Signature: *John P. Blanton*
Date: 5/13/03

LDE, INC.
9250 Rumsey Road, Suite 108, Columbia, MD. 21045
(410) 715-1070 (301) 598-3424 (410) 715-9540 (Fax)

DESIGNED: BDB	GRADING AND SEDIMENT CONTROL PLAN	SCALE: 1" = 30'
DRAWN: STB	BRANTWOOD SECTION 3 AREA 3 LOT 33	DRAWING: 10F 2
CHECKED: BDB	TAX MAP 16 GRID 21 P/O PARCEL 205 3rd ELECTION DISTRICT HOWARD COUNTY, MD	JOB NO: 01-077
DATE: 3/03	PREVIOUS SUBMITTALS: WP 70-96, F90-128, WP99-55, 899-09 WP00-55, P00-03, F01-67, F01-73	FILE NO: GP 03-57
	OWNER: BRANTWOOD L.L.C. 13090 Old Frederick Road Columbia, MD 21045 410-730-0810	BUILDER: NANTUCKET HOMES / DORSEY INC. 3465 Sikesville, MD 21784

GP03-57

C1 0727

SEQUENCE NO. (MDE USE ONLY)

STATE OF MARYLAND WELL COMPLETION REPORT

FILL IN THIS FORM COMPLETELY PLEASE TYPE

THIS REPORT MUST BE SUBMITTED WITHIN 45 DAYS AFTER WELL IS COMPLETED.

COUNTY NUMBER 13 ON SRU 10/5/01

ST/CO USE ONLY

DATE RECEIVED MM DD YY 8 13

DATE WELL COMPLETED MM DD YY 07 30 01

DEPTH OF WELL 22 475 26 (TO NEAREST FOOT)

PERMIT NO. FROM "PERMIT TO DRILL WELL" HO-94-3088

OWNER Brantwood LLC STREET OR RFD Serena Chief Trail TOWN W Friendship SUBDIVISION Brantwood 3/3 SECTION LOT 6 33

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 8 NO. OF POUNDS 800 GALLONS OF WATER 48 DEPTH OF GROUT SEAL (to nearest foot) from 0 to 32

C 3

PUMPING TEST

HOURS PUMPED (nearest hour) 3 PUMPING RATE (gal. per min.) 15.0

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. Rows: Overburden, Gray Rock, Limestone.

CASING RECORD (S) (T) (C) (O) (P) (L) (O) (T) PLASTIC OTHER

METHOD USED TO MEASURE PUMPING RATE Submersible WATER LEVEL (distance from land surface) BEFORE PUMPING 54 WHEN PUMPING 65

MAIN CASING TYPE (P) (L) Nominal diameter top (main) casing (nearest inch) 6 63 Total depth of main casing (nearest foot) 32 66

TYPE OF PUMP USED (for test) (A) air (P) piston (T) turbine (C) centrifugal (R) rotary (O) other (J) jet (S) submersible

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

PUMP INSTALLED DRILLER INSTALLED PUMP (YES) (NO) IF DRILLER INSTALLS PUMP, THIS SECTION MUST BE COMPLETED FOR ALL WELLS.

NUMBER OF UNSUCCESSFUL WELLS: 0

SCREEN RECORD (S) (T) (B) (R) (H) (O) (P) (L) (O) (T) STEEL BRASS BRONZE PLASTIC OPEN HOLE OTHER

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

WELL HYDROFRACTURED (Y) (N)

DEPTH (nearest ft.) Ho 32 475

CASING HEIGHT (circle appropriate box and enter casing height) (+) above () below LAND SURFACE (nearest foot) 50 51

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

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)

DRILLERS LIC. NO. M H D 299 DRILLERS SIGNATURE (MUST MATCH SIGNATURE ON APPLICATION)

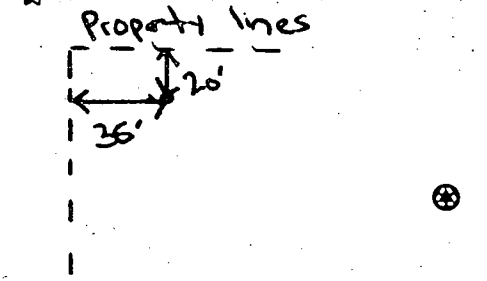
GRAVEL PACK IF WELL DRILLED WAS FLOWING WELL INSERT F IN BOX 68

LIC. NO. M H D 241 DRILLERS SIGNATURE Wynn Powell

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

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

TELESCOPE CASING LOG INDICATOR OTHER DATA



B 1 7081

SEQUENCE NO. (MDE USE ONLY)

STATE OF MARYLAND PERMIT TO DRILL WELL

STATE PERMIT NUMBER

HO-94-3088

W515213 please print or type

fill in this form completely

Date Received (APA)

04 23 01

OWNER INFORMATION

Brantwood LLC

8835 P Columbia 100 Pkwy

Columbia MD 21045

B 3

LOCATION OF WELL

Howard

Brantwood

SECTION 3 LOT 6 aka 33

West Friendship

MILES FROM TOWN (enter 0 if in town) 2 MI

DRILLER INFORMATION

Paul M. Fabiszak MWD 399

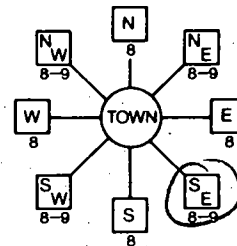
G. Edgar Harr Sons' Corp.

12047 Falla Road, Cockeysville 21030

Signature Date 4/18/01

B 4

DIRECTION OF WELL FROM TOWN (CIRCLE BOX)



Seneca Chief Trail

NEAR WHAT ROAD

ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX)

700 FT

DISTANCE FROM ROAD

TAX MAP: BLK: PARCEL

B 2

WELL INFORMATION

APPROX. PUMPING RATE 5 GAL. PER MIN.

AVERAGE DAILY QUANTITY NEEDED 750 GAL. PER DAY

USE FOR WATER (CIRCLE APPROPRIATE BOX)

- Domestic Potable Supply & Residential Irrigation (circled)
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 13

STATE SIGNATURE INSERT S

DATE ISSUED 04/30/01

NORTH GRID 520 000 EAST GRID 820 000

APPROXIMATE DEPTH OF WELL 250 FEET

APPROXIMATE DIAMETER OF WELL C INCH

METHOD OF DRILLING (circle one)

- Bored (or Augered)
Air-Rotary
Cable
Jetted
Air-PerCussion
Rotary (Hydraulic Rotary)
Drive-Point

REPLACEMENT OR DEEPEMED WELLS (CIRCLE APPROPRIATE BOX)

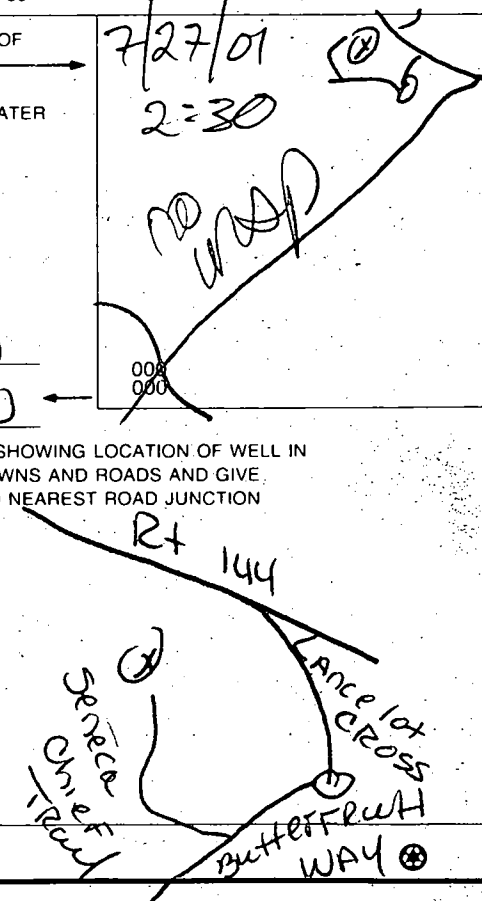
- This well will not replace an existing well (circled)
This well will replace a well that will be abandoned and sealed
This well will replace a well that will be used as a standby-contact local approving authority for policy on standby wells
This well will deepen an existing well

SHOW MAJOR FEATURES OF BOX & LOCATE WELL WITH AN X

SOURCES OF DRILLING WATER

WRITE THE BOX NUMBER FROM THE MAP HERE

DRAW A SKETCH BELOW SHOWING LOCATION OF WELL IN RELATION TO NEARBY TOWNS AND ROADS AND GIVE DISTANCE FROM WELL TO NEAREST ROAD JUNCTION



Not to be filled in by driller (MDE OR COUNTY USE ONLY)

APPROP. PERMIT NUMBER

PERMIT NO. HO-94-3088

SPECIAL CONDITIONS

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 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 silty
Cave-in at 9.0'
Redox features at 9-10'

11"
12" WATER

176

orange cl lm

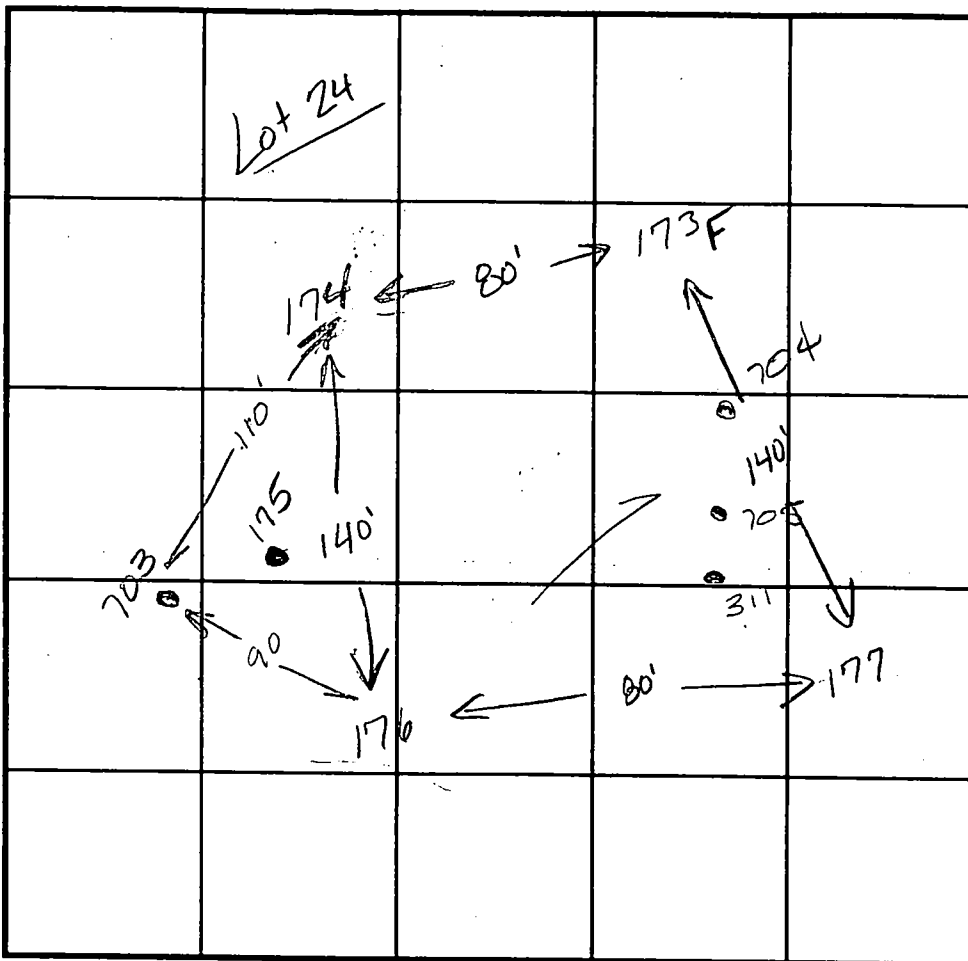
beige silty

10% shale frags
↓

174

orange cl lm

beige orange silty
quartz frags
mica flecks
possible water



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

SOIL PROFILE

177

orange brown cl lm

beige orange silty
15% shale frags
mica flecks

311

orange cl lm

br/or silty
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	12:35.0	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 Feago

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

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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 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)

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(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

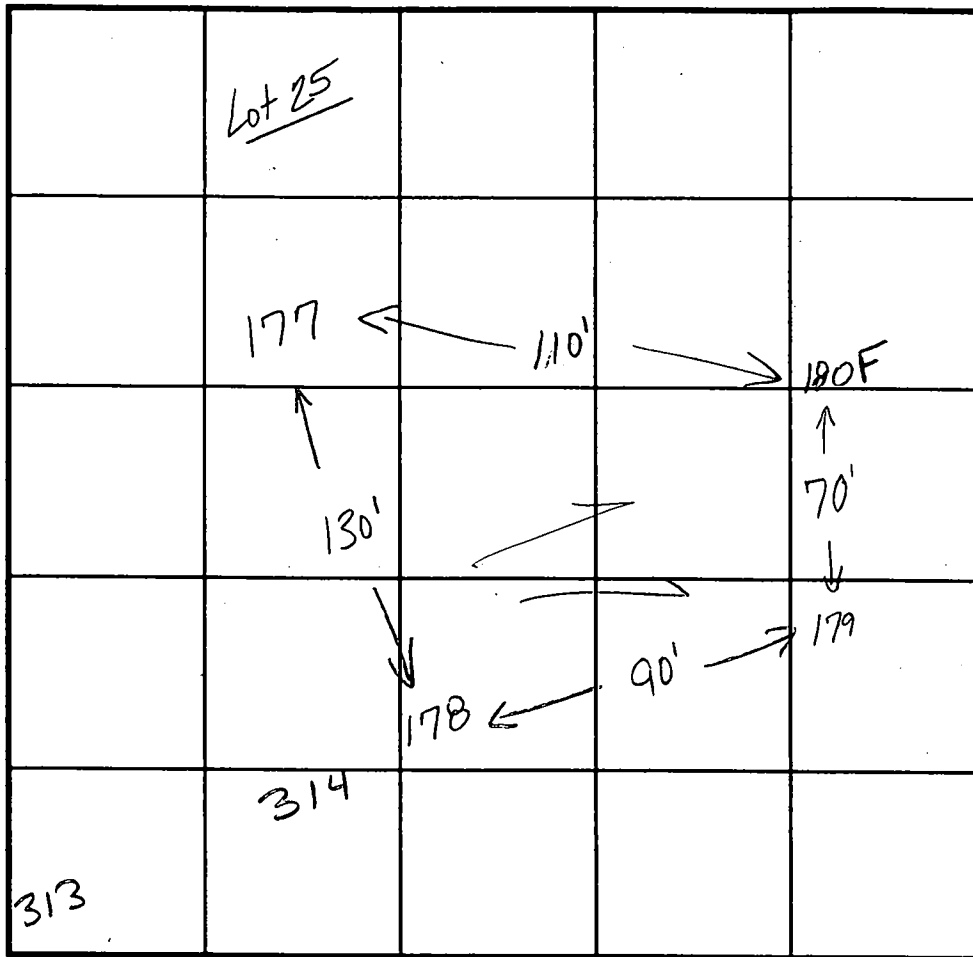
510571 y
COUNTY #

SOIL PROFILE

0' 178
orange brown cl lm 2.5'
beige siltm mica flecs 11.5'

177
orange brown clay lm 3'
beige / orange siltm mica flecs 9'

180
brown / dark brown siltm mica flecs 10'
10.5' WATER



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

SOIL PROFILE

0' 179
brown cl lm 2.5'
beige siltm mica flecs 10% shale 12'

314
or / br cl lm 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	1:35	

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

Brantwood III

COUNTY #

SOIL PROFILE

703 705

0' dark red Siltlm

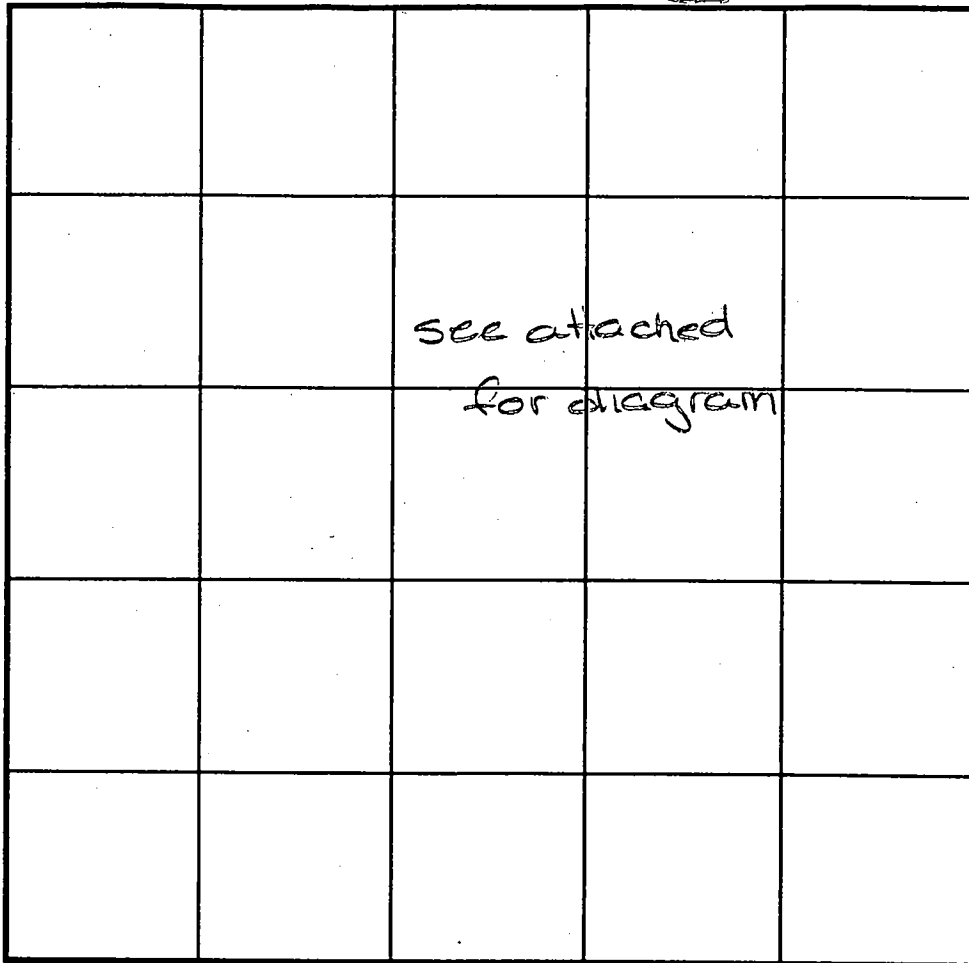
30' dark brown Si. Saltn micaceous 10% Rx

704

no distinct clay layer dull brown Si. Saltn 50-60% patch Rx vertically running down hole

175 orange brown Siltlm
30' dark brown Saltn
10% Rx

SOIL PROFILE



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	2.50% rock	- see profile		-		F
	705	Visual to 12.0	- see profile		-		OK
11-8-99	175	Visual to 12.0	- see profile		-		OK

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 _____

IKSFIELD
STATES

Pero Cert
5/8/16

HOWARD COUNTY RECREAT
2227/110
Zoned: RC

ChB2

GID2

ChB2

M9B2

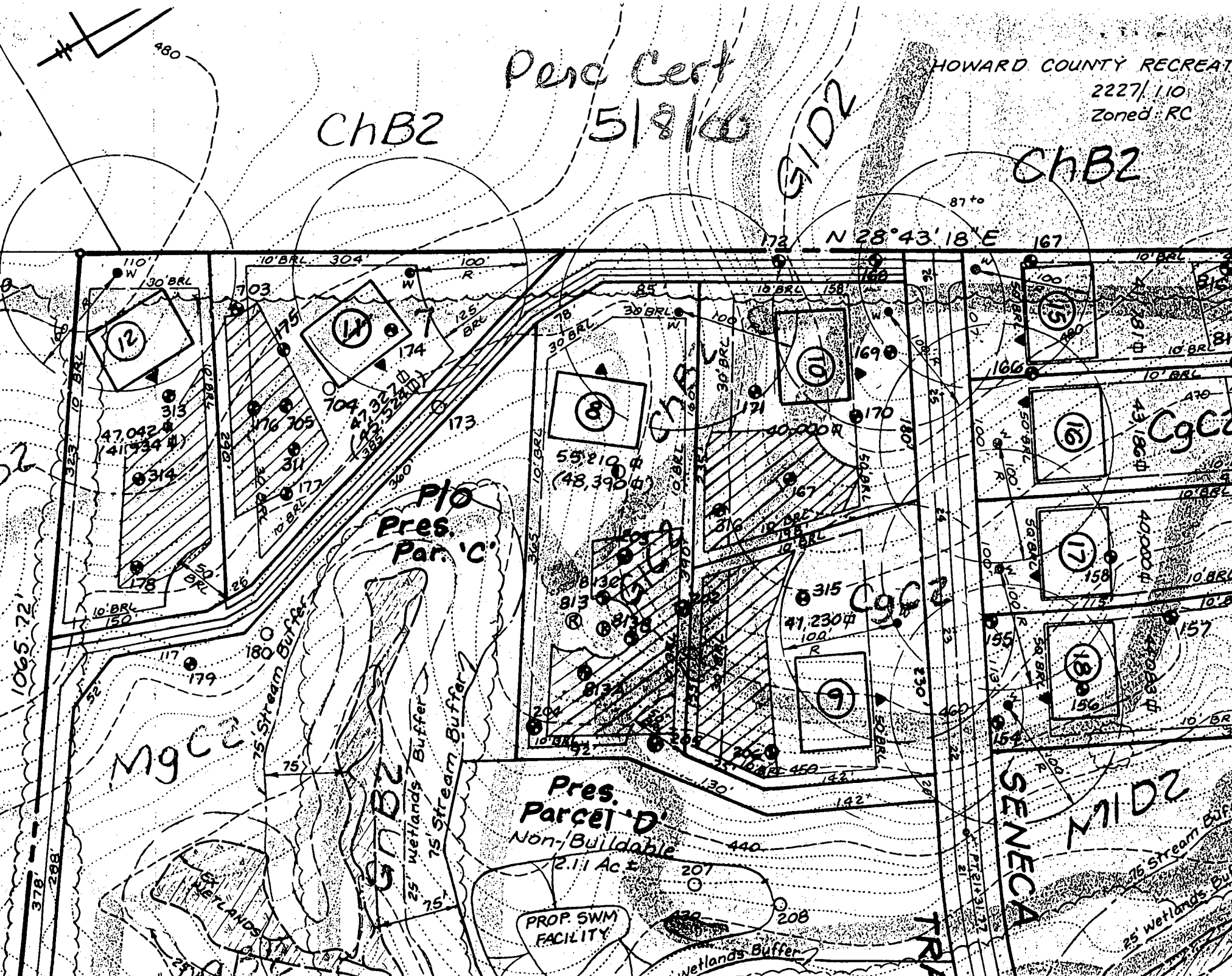
M9C2

G7B2

SENECA

M1D2

Zoned: RC



P10
Pres.
Parcel 'C'

Pres.
Parcel 'D'
Non-Buildable
2.11 Ac ±

PROP. SWM
FACILITY

C9C2

C9C2

75' Stream Buffer

25' Wetlands Buffer

Wetlands

75' Stream Buffer

25' Wetlands Buffer

75' Stream Buffer

10' BRL

150

50' BRL

178

314

47,042
(41,934 #)

110' W

30' BRL

36258

12

10' BRL

304

703

110' W

100' R

150

480

176

705

311

173

177

179

117

10' BRL

25

180

75

1065.72'

323

378

288

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703

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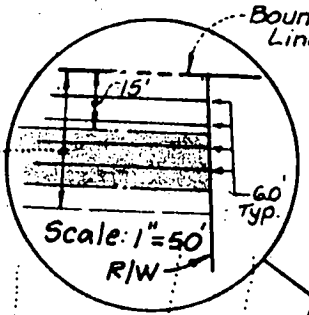
174

174

ASEMENT #095-01E
BECK

WINKSFIELD
LAKES

480
P.00.04
S.17.00
35' Private Access Esmt For Lots 11-14



Temporary Tee Turnaround w/ Dead End Barricade
Hwy Co. Std. R 9.05 & 7.10

HOWARD COUNTY R 2227/
Zoned

LIMIT OF Sta. 26+

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

14' Wide Use-In-Common Driveway

N 28° 43' 18" E

60

12
47,042 #
(41,934 #)

11
47,327 #
(45,524 #)

8
55,210 #
(48,370 #)

10
40,000 #

9
41,230 #

Pla
preservation
Parcel C.
(Non-Buildable)
8.19 Act

14' Wide Use-In-Common Driveway for Lots 11, 12

75' Stream Buffer

7' Buffer

18' Paving w/ 2' shoulder

Speed Control Turn

30' BRL

110'

10' BRL

304'

10' BRL

100' R

125' BRL

10' BRL

30' BRL

10' BRL

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1065.72'

569.000'

1336259

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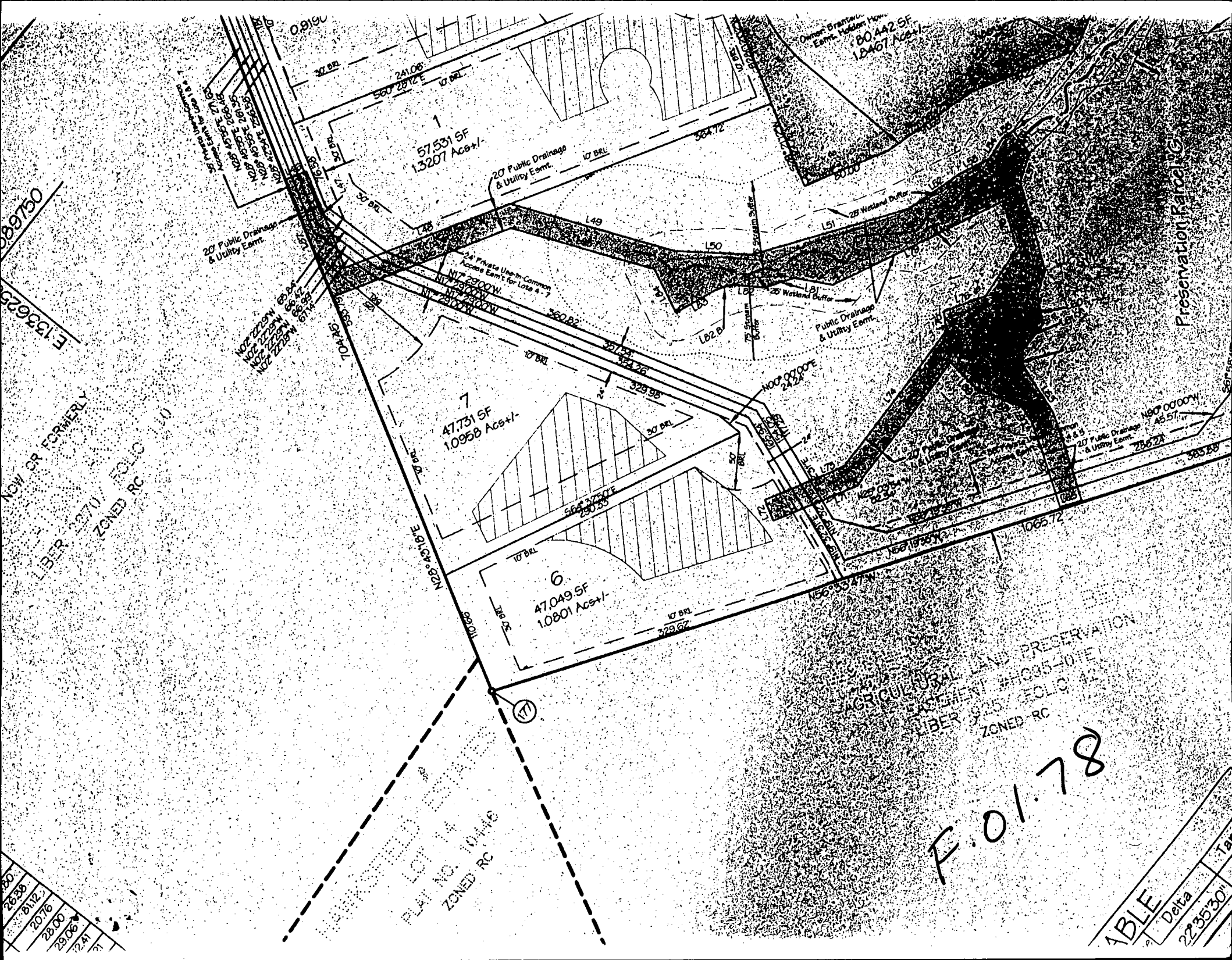
10' BRL

10' BRL

10' BRL

10' BRL

10' BRL



389750
 E 1336255
 NOW SP FORMERLY
 LIBER 12711 FOLC RC
 ZONED RC

1
 57,531 SF
 1.3207 Ac±

7
 47,731 SF
 1.0958 Ac±

6
 47,049 SF
 1.0801 Ac±

AGRICULTURAL LAND PRESERVATION
 EASEMENT #1035401E
 LIBER 125 FOLC RC
 ZONED RC

F.01.78

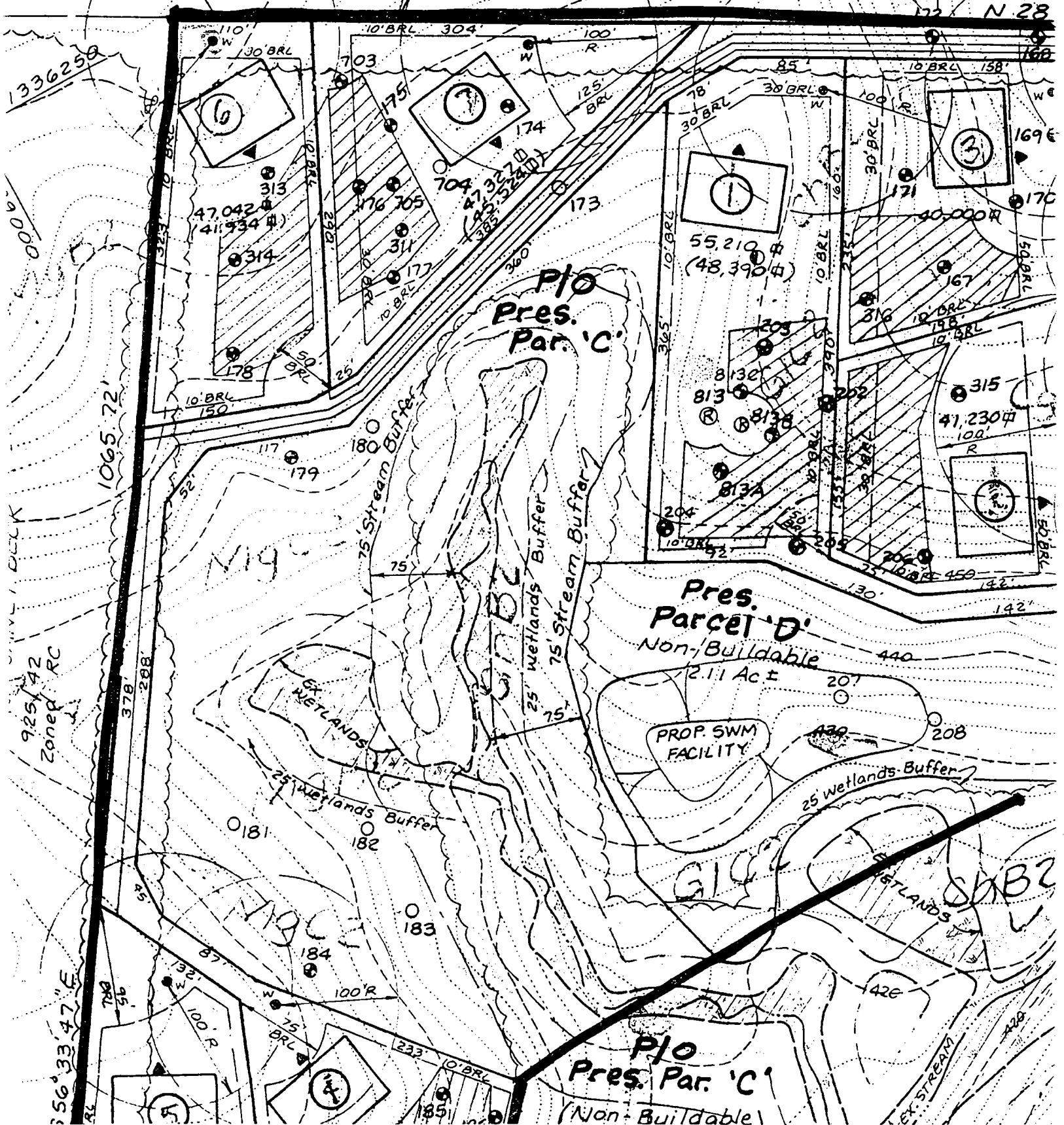
2800
2638
2012
2076
2800
2906
241
31

1BLE	Delta	Tan
223530		

HANKSFIELD
ESTABLISHED
104400

4/30/01
Well site staked
by
WE
AL
CHB2

G102



G102

SB2