

LAYOUT 7/22/03 2:30 INSP 4 8/5/03 1pm Cancelled
 INSP 2 7/30/03 10am INSP 5 8/6/03 10 AM Wrong Lot
 INSP 3 7/31/03 10am INSP 6 _____

ISSUE DATE: 7/16/03

APPROVAL DATE: 9/26/02

**PERMIT
INDEXED**


P 519057

A 510575-M

**ON-SITE SEWAGE DISPOSAL SYSTEM
 HOWARD COUNTY HEALTH DEPARTMENT
 BUREAU OF ENVIRONMENTAL HEALTH
 03-338975**

South Carroll Backhoe, Inc IS PERMITTED TO INSTALL ALTER
 ADDRESS: 4410 Salem Bottom Road, Westminster PHONE NUMBER: 410-875-4197
 SUBDIVISION: Brantwood 3/3 LOT NUMBER: 37
 ADDRESS: 3110 Seneca Chief Trail PROPERTY OWNER: NVR Inc.
 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: 240 HOUSE SERVED BY PUBLIC WATER

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 the distribution box approximately 60' - 65' from the upper corner easement stake that is closest to the house and about 25' from the left lot line. Run trenches on contour in both directions.
NOTES:	Trenches should be spaced 10' center to center if contour permits.

PLANS APPROVED: Brian Baker  DATE: 10/03/2002

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

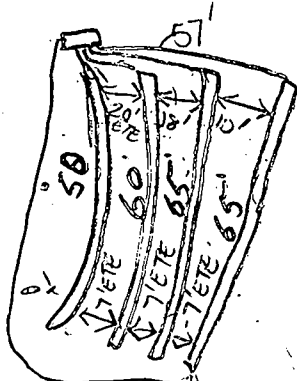
**NEITHER THE HOWARD COUNTY COUNCIL NOR THE HEALTH DEPARTMENT IS
 RESPONSIBLE FOR THE SUCCESSFUL OPERATION OF ANY SYSTEM
 PERMITTED RESPONSIBLE FOR OBTAINING FINAL APPROVAL ON THIS PERMIT
 BUILDING PERMIT SIGNED AND RETURNED
 ALL 410-313-2640 FOR INSPECTION OF SEPTIC SYSTEM**

713-65 B00154925-DECK

A510575-M

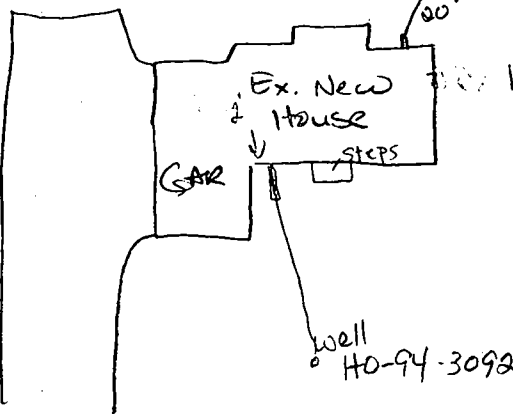
NOT TO SCALE

Knoll area



correct stake

swale



Seneca Chief

ROAD

TRENCH/DRAINFIELD DATA		
WIDTH	INLET	BOTTOM
4	2	4
NUMBER OF TRENCHES		4
TOTAL LENGTH		240
ABSORPTION AREA		720 sq ft
DISTRIBUTION BOX LEVEL		<input checked="" type="checkbox"/>
DISTRIBUTION BOX BAFFLE		<input checked="" type="checkbox"/>
DISTRIBUTION BOX PORT		<input checked="" type="checkbox"/>

SEPTIC TANK DATA	
SEPTIC TANK 1 LEVEL	yes
CAPACITY	1250 GAL
SEAM LOC	Top
TANK LID DEPTH	22'
BAFFLES	Windstone
BAFFLE FILTER	
MANHOLE LOC	middle
6" PORT LOC	front
WATERTIGHT TEST	
SEPTIC TANK 2 LEVEL	yes
CAPACITY	1250 GAL
SEAM LOC	top
TANK LID DEPTH	22
BAFFLES	yes
BAFFLE FILTER	No
MANHOLE LOC	middle
6" PORT LOC	front
WATERTIGHT TEST	NO

PRE-CONSTRUCTION 7/22/03 layout - TOP SDA STAKED. Topo accurate. Chilled S. Carroll
 Backhoe to inform builder to check upper left corner stake at same time
 INSTALLATION restaking ADJ LOT 36 (KN) 7/30/03 - Still not staked (S) 50
 7/30/03 - Install 50'/60'/60'/70' trenches all on one side (50)
 8-1-03 Trenches on contract, OK TO COVER. NEED to install pressure line. (KN) 9/26/03 Pump & Alum tests OK. SO/KR

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

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

Information Form for the Installation of the Well Pump, Pitless Adapter, and Supply Piping

NOTE: The installer is responsible for requesting an inspection prior to 9 am on the day of the desired inspection. No work is to be covered until approved by the Health Department. All installations must comply with the National Standard Plumbing Code (NSPC, as amended locally) and COMAR 26.04.04 (MD Well 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 Barnard Ave.
Sykesville, MD

(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: NV Homes Telephone #: 410-721-9703
Subdivision: Garburt - (Brynwood) Lot #: 37 Well Tag #: HO-99-3092
Site Address: 3110 Seneca Circle Trg
Ellicott City, MD 21042

Submersible Pump Data Pitless Adapter Well Cap and Electric Conduit
Make: Sta-Rite Make: Campbell Two piece watertight cap:
Model #: SP4002HL-03 Model #: PT 800 Screened, vented well cap:
Pump Capacity 5 GPM Depth: 40" (36" min) Cap secured to casing:
Well Yield 4.6 GPM NSF approved: Conduit min 18" B.G.:
Depth of well encountered at time of pump installation: 300 (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: Poly PVC sleeved to undisturbed soil at wall penetration:
PSI: 200 (160 psi min) Approximate length of sleeve: 5'
Depth of supply line: 42 (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 8/20/03
Signature of company representative responsible for installation date

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

Date Insp. Requested: 8/4/03 Date Insp. Approved: 8/4/03 (50) SRK
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

C1 0731 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)

FILL IN THIS FORM COMPLETELY. PLEASE TYPE

COUNTY NUMBER 13 OKSRA 9/14/01

DATE RECEIVED MM DD YY 08 13

DATE WELL COMPLETED MM DD YY 07 06 2001

DEPTH OF WELL 22 300 26 (TO NEAREST FOOT)

PERMIT NO. FROM "PERMIT TO DRILL WELL" HO-94-3092

OWNER Brantwood LLC STREET OR RFD SARCIA CHICK TRAIL TOWN W FRIENDSHIP SUBDIVISION Brantwood 3/3 SECTION LOT 10

WELL LOG table with columns: DESCRIPTION, FEET (FROM, TO), check if water bearing. Includes entries for Overburden, Gray Rock, and water at 46'.

GROUTING RECORD: WELL HAS BEEN GROUTED (Y), TYPE OF GROUTING MATERIAL (CM), NO. OF BAGS (9), NO. OF POUNDS (900), GALLONS OF WATER (54), DEPTH OF GROUT SEAL (40).

CASING RECORD: casing types (ST, CO, PL, OT), MAIN CASING TYPE (AL), Nominal diameter (6), Total depth (40).

OTHER CASING (if used) table with columns: diameter inch, depth (feet) from, to.

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

NUMBER OF UNSUCCESSFUL WELLS: 0 WELL HYDROFRACTURED (Y/N)

CIRCLE APPROPRIATE LETTER: A (abandoned), E (electric log), P (test converted to production)

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. MWD 399 DRILLERS SIGNATURE (W. P. Powell) LIC. NO. MWD 241

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

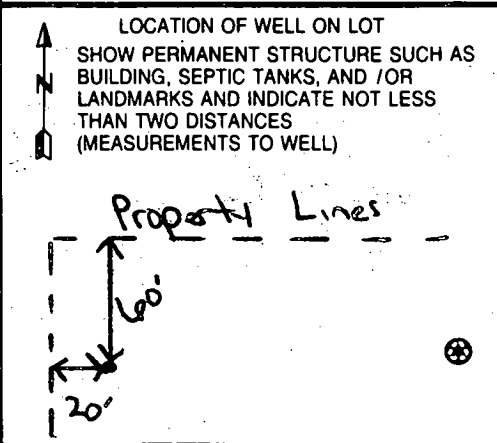
DEPTH (nearest ft.) table with columns: T, A, C, H, S, R, E, N. Includes entries for 40, 300.

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

PUMPING TEST: HOURS PUMPED (3), PUMPING RATE (4.6 gal. per min.), METHOD USED TO MEASURE PUMPING RATE (Submersible), WATER LEVEL (distance from land surface) BEFORE PUMPING (27 ft), WHEN PUMPING (27.5 ft), TYPE OF PUMP USED (S submersible)

PUMP INSTALLED: DRILLER INSTALLED PUMP (YES/NO), TYPE OF PUMP INSTALLED (S), CAPACITY: GALLONS PER MINUTE (31), PUMP HORSE POWER (37), PUMP COLUMN LENGTH (43), CASING HEIGHT (49) above LAND SURFACE (50) (nearest foot)



B 1 7089

SEQUENCE NO. (MDE USE ONLY)

STATE OF MARYLAND PERMIT TO DRILL WELL

STATE PERMIT NUMBER

40-94-3092

W515213 please print or type

fill in this form completely

Date Received (APA)

04/23/01

OWNER INFORMATION

Brantwood LDC
Last Name Owner First Name
8835 P Columbia 100 Pkwy
Columbia MD 21045

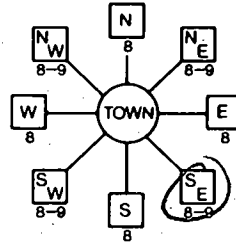
B 3 LOCATION OF WELL

Howard
8 COUNTY
Brantwood
23 SUBDIVISION
SECTION 3 LOT 10 Area 3
West Friendship
52 NEAREST TOWN
MILES FROM TOWN (enter 0 if in town) 2

DRILLER INFORMATION

Paul M. Fabiszak M W D 399
Driller's Name License No.
G. Edgar Harr Sons' Copp.
Firm Name
12047 Falls Road, Cockeysville 21030
Address
Signature Date 4/18/01

B 4
DIRECTION OF WELL FROM TOWN (CIRCLE BOX)



Seneca Chief Trail

11 NEAR WHAT ROAD 30
ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX)
NORTH
WEST EAST
SOUTH
34 50 37
DISTANCE FROM ROAD ENTER FT OR MI 38 39
TAX MAP: BLK: PARCEL

B 2 WELL INFORMATION

APPROX. PUMPING RATE (GAL. PER MIN.) 5
AVERAGE DAILY QUANTITY NEEDED (GAL. PER DAY) 750

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
COUNTY NAME COUNTY NO.
STATE SIGNATURE INSERT S
DATE ISSUED 04/30/01 4/30/02
NORTH GRID 520 000 EAST GRID 820 000

APPROXIMATE DEPTH OF WELL 250 FEET

APPROXIMATE DIAMETER OF WELL 6 NEAREST INCH

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)

- 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

PERMIT NUMBER OF WELL TO BE REPLACED OR DEEPEMED (IF AVAILABLE)

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

APPROX. PERMIT NUMBER 40-94-3092
PERMIT No. 40-94-3092

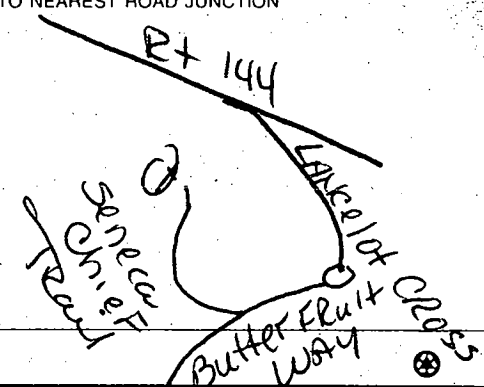
SHOW MAJOR FEATURES OF BOX & LOCATE WELL WITH AN X

- SOURCES OF DRILLING WATER
1. Well
2.
3.

WRITE THE BOX NUMBER FROM THE MAP HERE

E 820
N 520

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



SPECIAL CONDITIONS

NOTE - APPROVING AUTHORITIES SHOULD USE SEPARATE SHEET IF NEEDED

APPLICATION

PERCOLATION TESTING

A 510571T

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 _____ LOT NO. 20 16-18

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

Brantwood II

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 T

COUNTY #

SOIL PROFILE 159

0'
3'
10.5'

Orange cl fm
beige/orange sil fm
20% Saprolite frags

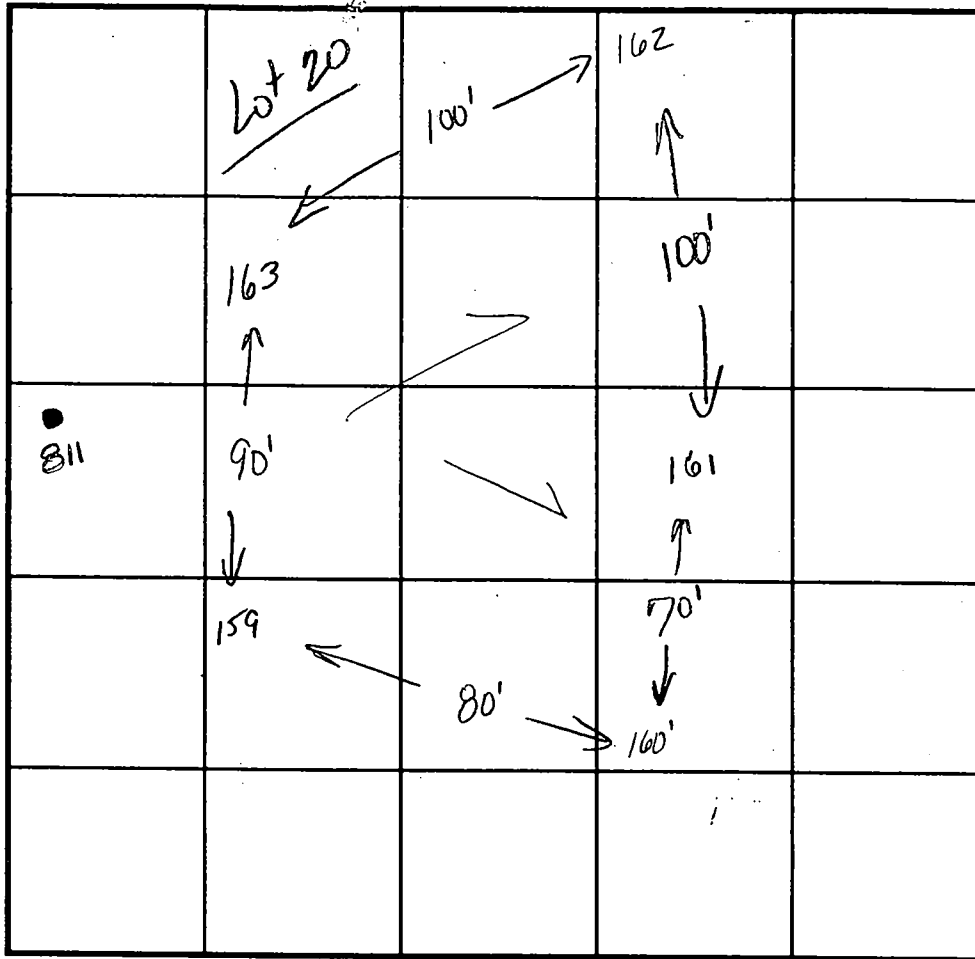
161

3'

Orange cl fm
brown sil fm
30% rock frags

160

Same as hole #161



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

SOIL PROFILE

0'
3'
11'

162 163
orange cl fm
beige/tan sil fm
mica flecs
10% rock frags

811

3.0'
12.0'

orange brown sil fm
beige sil fm
20%

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
8-24-98	159	3.0'S	10:2135	10:2235	10:2235	10:24	12:25
		10.5'D	visual	ok	- see profile		
	161	3.0'S	10:2640	10:3440	10:3440	10:3850	4 min
		10.0'D	visual	ok	- see profile		
	160	10.5'D	visual	only	- ok see profile		
	162	11.0'D	visual	only	- ok see profile		
11-8-99	811	See profile					OK
8-24-98	163	3.0'S	10:2410	10:2545	10:2545	10:2730	2 min
	160	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 2-3 minutes TRENCH WIDTH

INLET DEPTH

MAXIMUM BOTTOM DEPTH

SQ. FT/BEDROOM 180

COUNTY #

SOIL PROFILE
523

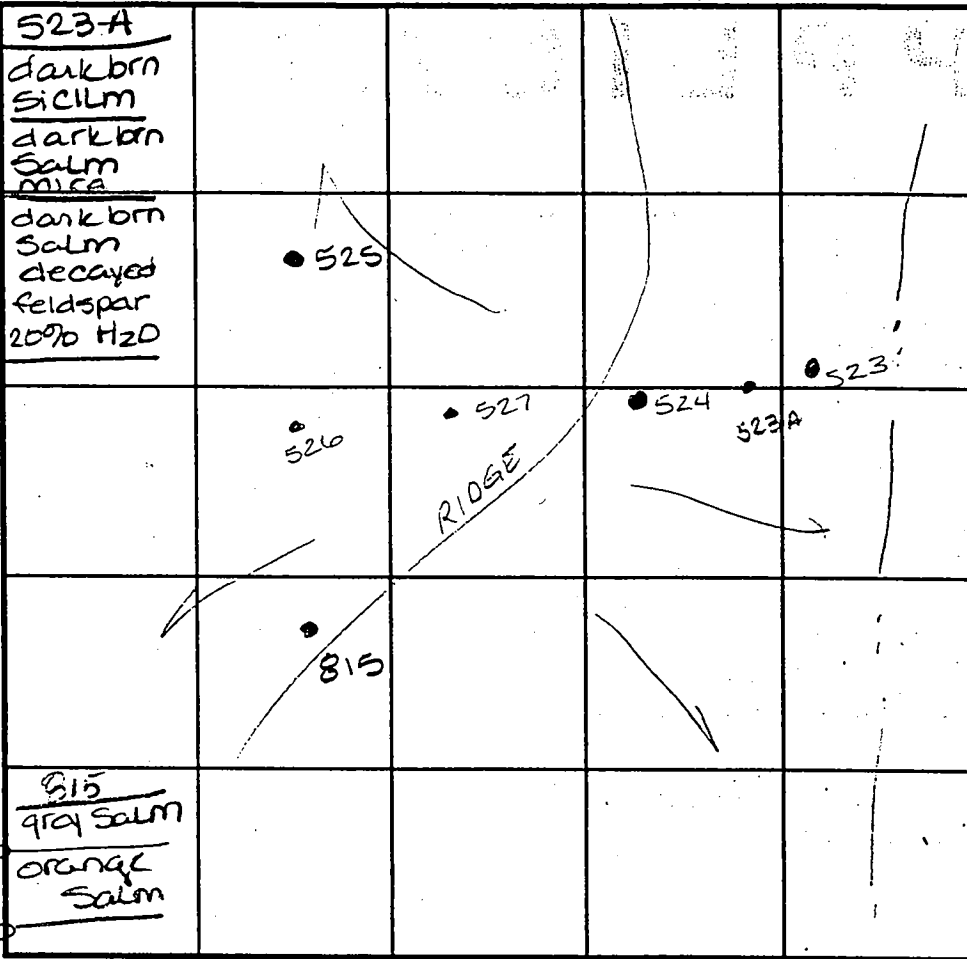
heavy red
Sicilm
micaceous
Salm
pockets
of
quartz
water
95

524

dark
red
sicilm
or
brown
Salm
micaceous
30-40%
micaceous
shale

327

lgt
yellow
brn
sicilm
dull
brown
micaceous
salm
w/
pockets
of yellow
decayed
quartzite



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

SOIL PROFILE
327

no
distinct
clay
layer
lgt orange
tan w/
pockets
of white
decayed
quartzite
OK

525

water
10.5
85' to
stream

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
3.31.99	523	Insufficient depth to H2O - official					
		add 4.0 buffer needed this					
		wet seas. to compensate for dry cond					F
	524	Visual 12.0 - see profile -					OK
	527	Visual to 12.0 - see profile -					OK
	526	Visual to 12.0 - see profile -					OK
11.8.99	525	Visual - insufficient depth to					
		H2O & too close to stream					F
	523A	See profile - HOLD FOR WET					WET
	815						

REMARKS OK to design SDA 1/2 way between 524 & 523

TYPE OF SOIL

TESTED BY Amy McMillen

ALSO PRESENT Tim Feaga

TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME

TRENCH WIDTH

INLET DEPTH

MAXIMUM BOTTOM DEPTH

SQ. FT/BEDROOM

Purc Cert
5/8/00

HOWARD COUNTY RECREATION AND PARKS
2227/110
Zoned: RC

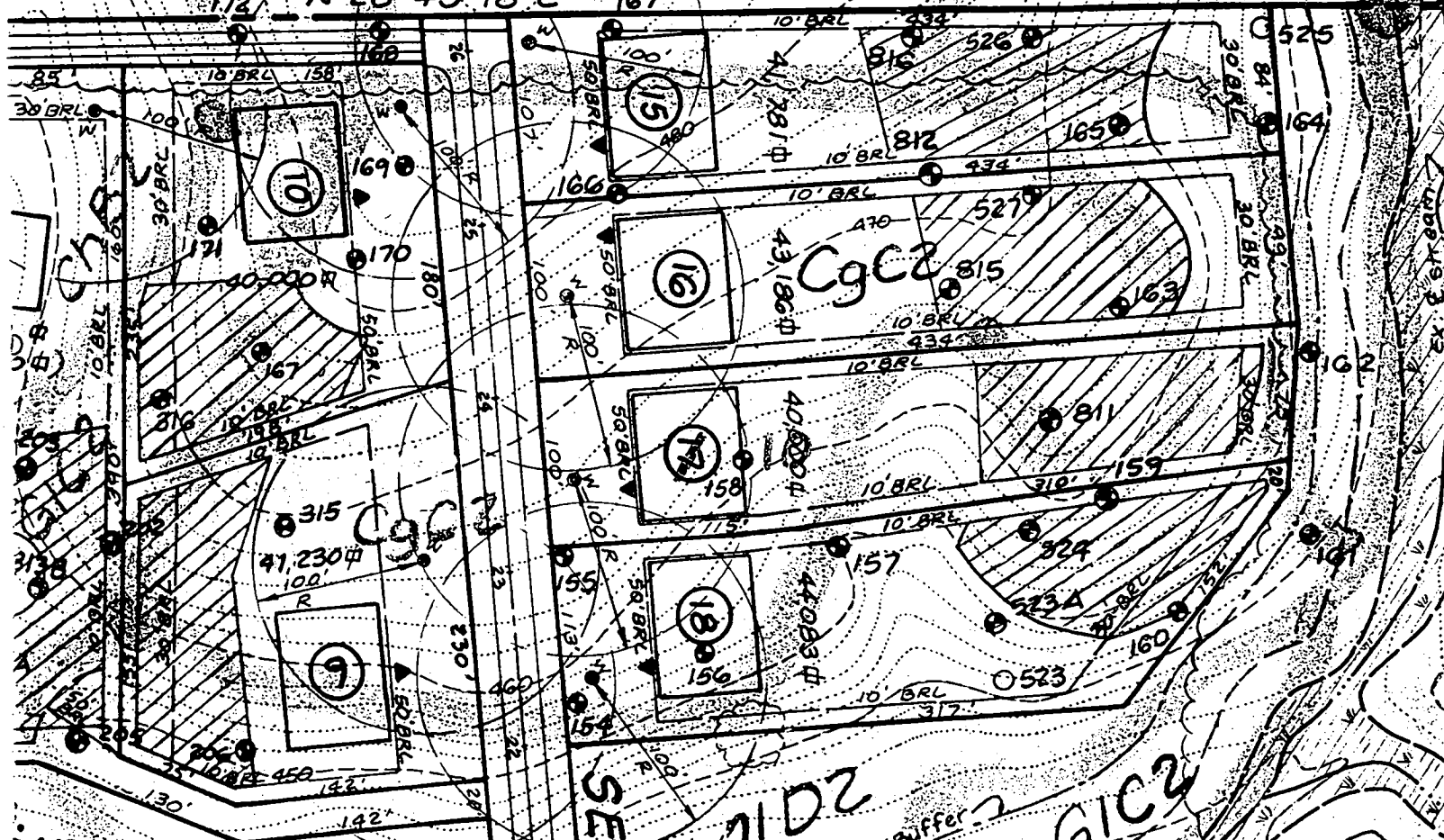
G1D2

ChB2

G1D2

Bc

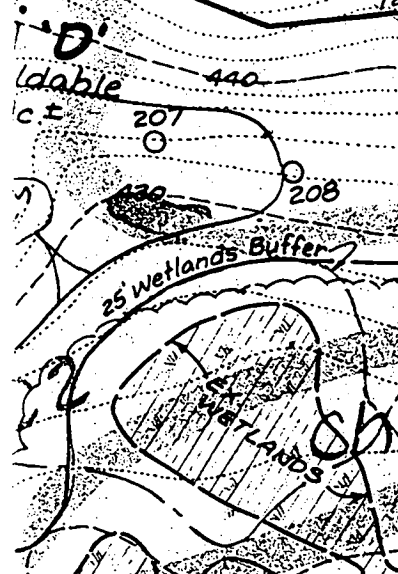
N 28°43'18" E 167



M1D2

G1C2

SENECA TRAIL



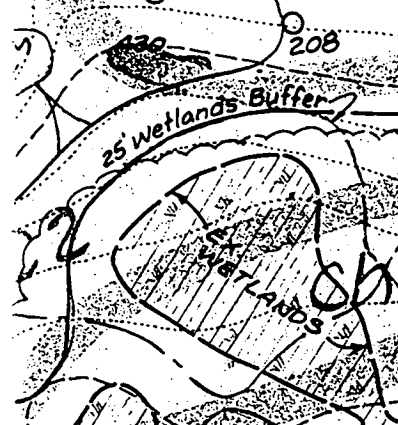
ChB2

ChB2

M1D2

C5

ldable
ct



100 Yd (SDP 9)

POSSIBLE FUTURE ALIGNMENT

HOWARD COUNTY RECREATION AND PARKS

2227/110
Zoned: RC

Temporary Tee Turnaround w/ Dead End Barricade
Hb, Co. Std. R.S. 05 & 7.10

Gate Access For Lots 9, 11-14

LIMIT OF SUBMISSION
Sta. 26+19.41

P. 00.00
S. 17.00

Wide Use In Common Driveway

N 28° 43' 18" E

1815.03'

8
55,210 ft²
(48,340 ft²)

10
40,000 ft²

9
41,230 ft²

17
40,080 ft²

18
44,083 ft²

Pres. Parcel 'D' (Buildable) UACB

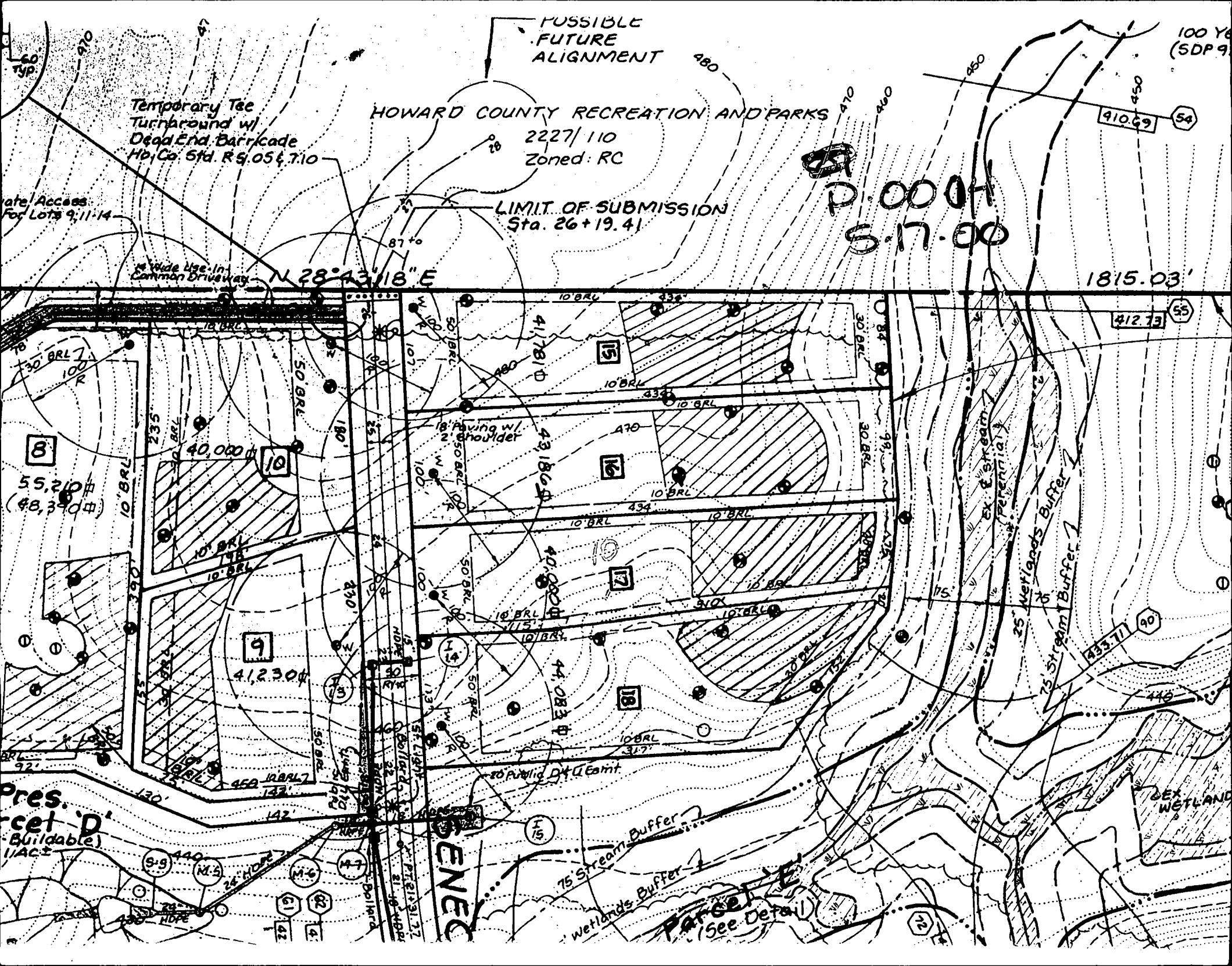
GENEC

75 Stream Buffer
Wetlands Buffer

PARCEL (See Detail)

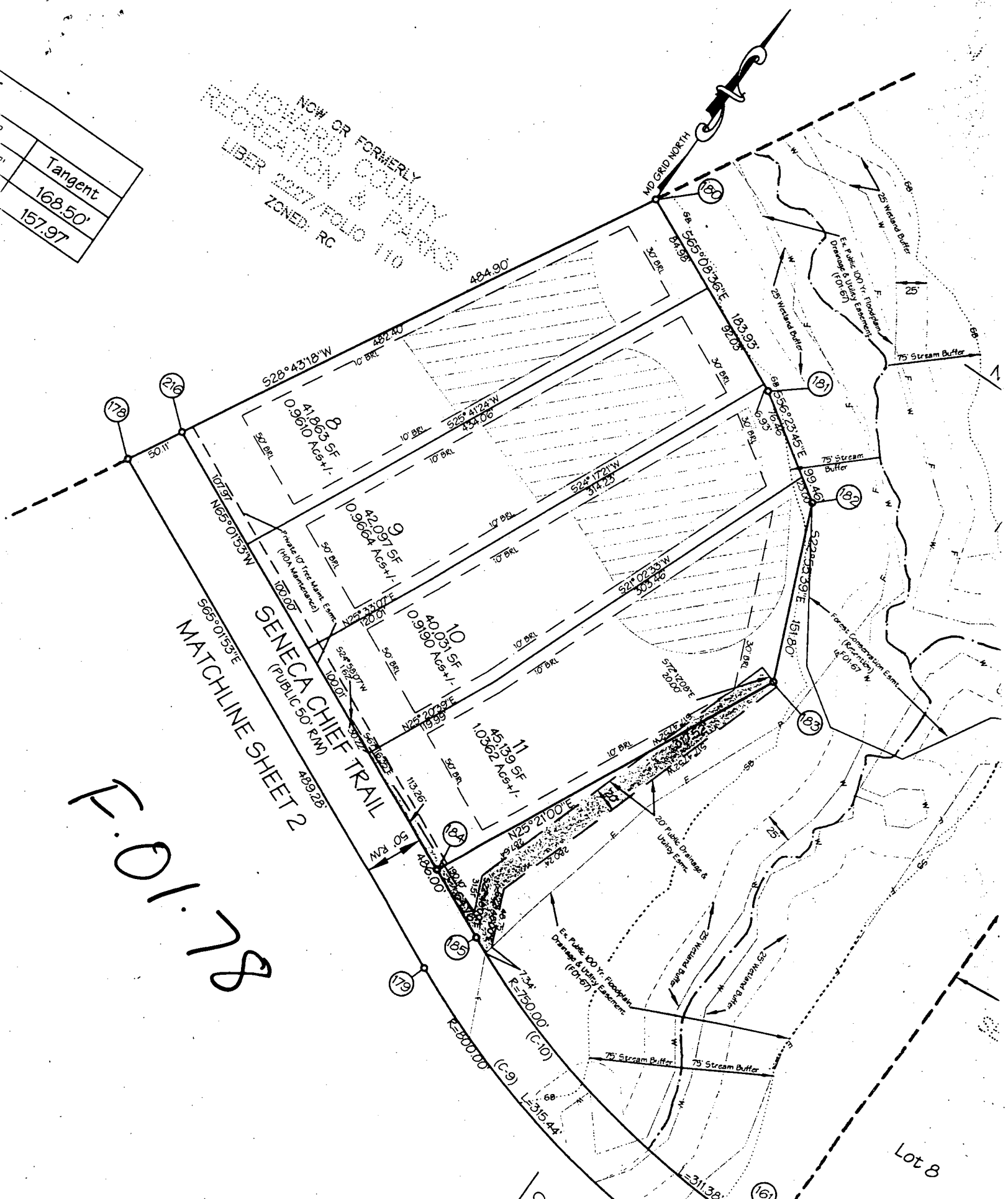
25' Wetlands Buffer
25' Stream Buffer

WETLAND



Tangent
168.50'
157.97'

NOW OR FORMERLY
 HOWARD COUNTY
 RECREATION & PARKS
 LIBER 2227 FOLIO 110
 ZONED: RC



F.O.I. 78

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

PROPERTY KNOWN AS:
LOT 37
BRANTWOOD SECTION 3 AREA 3
PLAT NO. 15253
HOWARD COUNTY
MARYLAND

RECEIVED JUN 25 2003

565°08'36"E 99.46'
6.93' 76.46' 23.00'

314.23'
N01°21'24"W

S04°36'12"E 303.46'

38

37
40,031 SF
0.9190 ACS +/-

ATTN:
KEN/SOUTH Carroll

FROM:
MATT KELLEY
NH HOMES - MDE
443-309-7789

WALK CHECK
GARBITT LOT 37

N00°05'38"W
120.01'

S00°18'06"E 119.99'

N65°01'53"W

SENECA CHIEF TRAIL
(PUBLIC ROAD)

7/16/03
House shifted
to road #2!
30+ distance
to well still
approved -

KN

LOCATION DRAWING

TOP WALL FLEV= 468.6

CERTIFICATION

SEAL

SCALE 1" = 50'

DATE 06/23/03

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

LOT 37 SENECA 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



LDE Inc.
Engineers, Surveyors, Planners

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

LDE
(410) 715-1070

SEWAGE SYSTEM DESIGN DATA / LOT 37:

- ① Invert at foundation wall: 456.50 / Bsmt. Service
- ② 1500 Gallon Septic Tank (4 Bedrooms)
Provide Manhole to Finished Grade
A. Ex. Ground Over Tank: 454.00
B. Prop. Grade Over Tank: 456.70
C. Invert In: 454.00
D. Invert Out: 453.70
- ③ 1500 Gallon Pump Pit
A. Ex. Ground over Pit: 452.80
B. Prop. Grade over Pit: 455.00
C. Invert In: 452.00
D. Invert Out: 452.50
- ④ Distribution Box: (Provide 4 Outlets Minimum)
A. Ex. Ground Over Box: 465.00
B. Prop. Grade Over Box: 465.00
C. Invert In: 463.00

5 Trench Design: 60 LF/Bedm. X 4 Bedm. = 240 LF

	A	B	C	D	E
Ex. Gr.					
Over Trench:	464.70	463.30	462.00	461.00	460.00
Invert Trench:	461.70	460.30	459.00	458.00	457.00
Botm. Trench:	459.70	458.30	457.00	456.00	455.00
Trench Length:	50 Ft.	50 Ft.	50 Ft.	50 Ft.	40 Ft.
Trench Width:	3 Ft.	3 Ft.	3 Ft.	3 Ft.	3 Ft.

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

NOTES: / LOT 36 & 37

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 EFFLUENT 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 SPECIFICATIONS 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.

ENGINEER'S CERTIFICATE

"I HEREBY CERTIFY THAT THIS PLAN FOR EROSION AND SEDIMENT CONTROL REPRESENTS A PRACTICAL AND WORKABLE PLAN BASED ON MY PERSONAL KNOWLEDGE OF THE SITE CONDITIONS AND THAT IT WAS PREPARED IN ACCORDANCE WITH REQUIREMENTS OF THE HOWARD SOIL CONSERVATION DISTRICT."

Bruce D. Burton
REGISTERED PROFESSIONAL ENGINEER
DATE: 7/15/02

DEVELOPER'S CERTIFICATE

"I/WE 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 BEGINNING THE PROJECT. I ALSO AUTHORIZE PERIODIC ON-SITE INSPECTION BY THE HOWARD SOIL CONSERVATION DISTRICT OR THEIR AUTHORIZED AGENTS, AS ARE DEEMED NECESSARY."

John R. Robertson
DATE: 7/15/02

THESE PLANS HAVE BEEN REVIEWED FOR THE HOWARD SOIL CONSERVATION DISTRICT AND MEET THE TECHNICAL REQUIREMENTS.

Jim Meyer
NATURAL RESOURCE CONSERVATION SERVICE
DATE: 5/28/02

THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT.

John R. Robertson
HOWARD SOIL CONSERVATION DISTRICT
DATE: 5/28/02

NOTE: WITHOUT PERMISSION FROM THE SEDIMENT CONTROL INSPECTOR, NO TWO (2) ADJOINING LOTS SHALL BE GRADED AT THE SAME TIME.

NO.	BY	DATE	DESCRIPTION
1	LDE, Inc	10-1-02	Lot 37 Revise Septic System (Add Pump)
2	LDE, Inc	9-11-02	Lot 30 Revise To Monticello 'A'
3	LDE, Inc	8-7-02	Lot 36 Revise To Monticello 'A'
4	LDE, Inc	7-31-02	Lot 38 - Revise To Georgetown 'A'
5	LDE, Inc	6-25-02	Lot 35 - Revise To Georgetown 'A'
6	LDE, Inc	6-6-02	Lot 36 - Revise To Monticello 'C'
7	LDE, Inc	6-3-02	Lot 37 - Knightsbridge w/3 Car Gar.

REVISIONS

