

LAYOUT 7/22/03 2pm INSP 4 7/31/03 11am
 LAYOUT INSP 2 7/30/03 10am INSP 5 8/4/03 3PM
 INSP 3 7/30/03 11am INSP 6 _____

ISSUE DATE: 7/16/2003

APPROVAL DATE: 9/29/03

PERMIT INDEXED

P 519057

A 510575-K

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

03-338967

South Carroll Backhoe, Inc IS PERMITTED TO INSTALL ALTER

ADDRESS: 4410 Salem Bottom Road, Westminister PHONE NUMBER: 410-875-4197

SUBDIVISION: Brantwood 3/3 LOT NUMBER: 36

ADDRESS: 3120 Seneca Chief Trail PROPERTY OWNER: NVR Inc.

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 214' from the front property line and 36' from the left property line. Install tank as shown on the approved building permit plan.
NOTES:	Install 60', 80' & 100' trenches as shown per the building permit plan on contour. No gravity service from baement proposed per plan.

PLANS APPROVED: John A. Boris OK 9/22/02 (signature) DATE: 7/08/2002

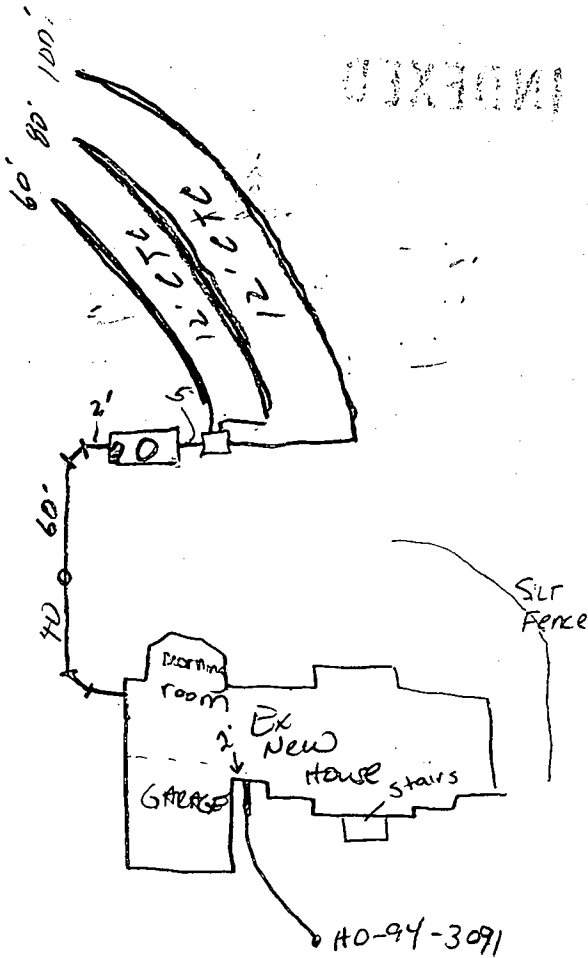
NOTES: PERMIT VOID AFTER 2 YEARS
 CONTRACTOR IS RESPONSIBLE FOR SCHEDULING A PRE-CONSTRUCTION INSPECTION FOR ALL INSTALLATIONS
 WATERTIGHT SEPTIC TANKS REQUIRED
 ALL PARTS OF SEPTIC SYSTEM SHALL BE 100 FEET FROM ANY WATER WELL UNLESS SPECIFICALLY AUTHORIZED
 MANHOLE RISERS REQUIRED ON ALL SEPTIC TANKS 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
 PERMITTEE RESPONSIBLE FOR OBTAINING FINAL APPROVAL ON THIS PERMIT
 ALL 410-313-2640 FOR INSPECTION OF SEPTIC SYSTEM**

A510575-K

NOT TO SCALE

Knoll



ROAD

TRENCH/DRAINFIELD DATA		
WIDTH	INLET	BOTTOM
3'	3'	5'
NUMBER OF TRENCHES		3
TOTAL LENGTH		240'
ABSORPTION AREA		720 0
DISTRIBUTION BOX LEVEL		<input checked="" type="checkbox"/>
DISTRIBUTION BOX BAFFLE		<input checked="" type="checkbox"/>
DISTRIBUTION BOX PORT		<input type="checkbox"/>

SEPTIC TANK DATA	
SEPTIC TANK 1 LEVEL <input checked="" type="checkbox"/>	
CAPACITY	1250 GAL
SEAM LOC	Top
TANK LID DEPTH	
BAFFLES	<input checked="" type="checkbox"/>
BAFFLE FILTER	<input type="checkbox"/>
MANHOLE LOC	Center
6" PORT LOC	Front
WATERTIGHT TEST <input type="checkbox"/>	
SEPTIC TANK 2 LEVEL <input type="checkbox"/>	
CAPACITY	GAL
SEAM LOC	
TANK LID DEPTH	
BAFFLES	<input checked="" type="checkbox"/>
BAFFLE FILTER	<input type="checkbox"/>
MANHOLE LOC	
6" PORT LOC	
WATERTIGHT TEST <input type="checkbox"/>	

PRE-CONSTRUCTION 7/22/03 SDA NOT STAKED CORRECTLY. ^{SAME} Topo _{as plan} shows. DO NOT START WORK (KN) 7/30/03 Still not staked (SC)

INSTALLATION 7/30/03 Contours not accurate. Contractor to shoot for next inspection to determine trench layout (SC) 8/1/03 House connection thru wall. Will fax measurements of line from house to S.T. Septic tank cover known on Monday. (KN)

8/6/03 - Wrong Lot called in. Contractor to fax "As Built" (SC)

9/29/03 - Received drawing from S.C. (SC)

FINAL INSPECTOR John Dea

DATE OF APPROVAL 9/29/03



South Carroll Backhoe, Inc.

4410 Salem Bottom Road • Westminster, Maryland 21157
Phone: 375-4197

DATE: 9/29/03

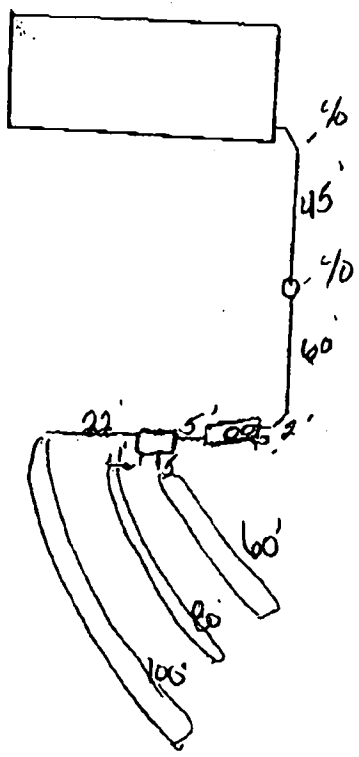
FAX #: 410-313-2648

TO: MATT Kelly - Stewart

FROM: Ken Schissler

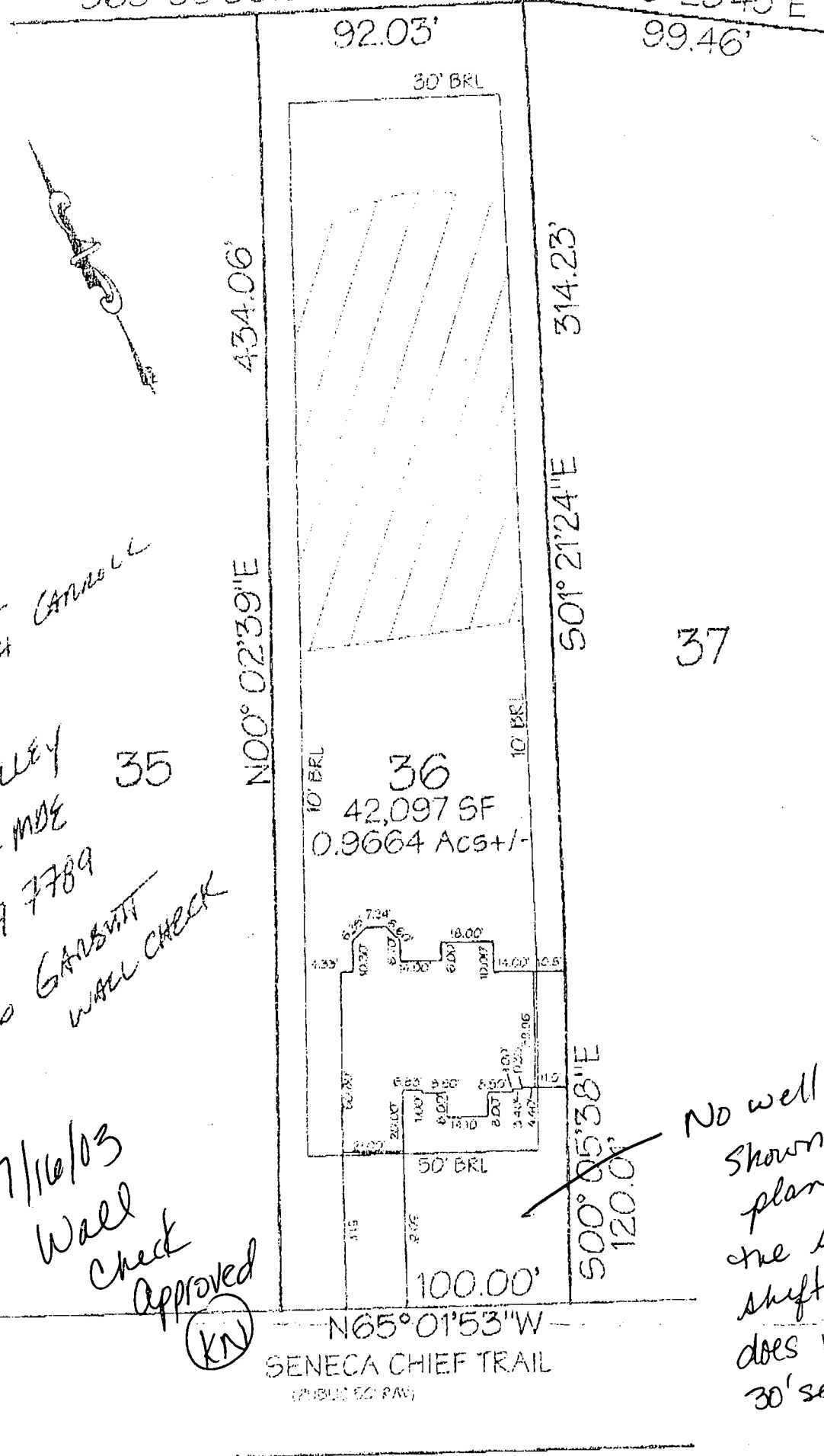
TOTAL PAGES: 1

COMMENTS: Plot For 3120 Seneca Cheif
Briantwood Lot 36



PROPERTY LINES OR CORNERS. RECEIVED JUN 10 2003
 LOT 36
 BRANTWOOD SECTION 3 AREA 3
 PLAT NO. 15253
 HOWARD COUNTY
 MARYLAND

565°08'36"E 183.93' 556°23'45"E
 92.03' 99.46'



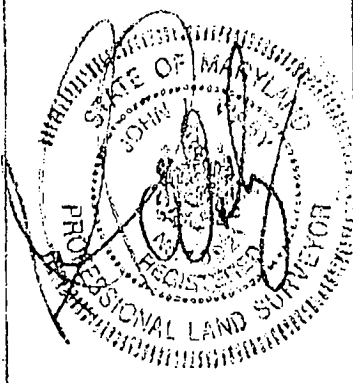
ATTN: KEN/SOUTH CANNON
 FROM: MATT KELLEY
 NV HOMES - MDE
 (C) 443 309 7789
 LOT 36 GARBITT WALL CHECK

7/16/03
 Wall
 Check
 Approved
 (KN)

No well
 shown on
 plan, however
 the slight
 shift of house
 does not impact
 30' sep distance

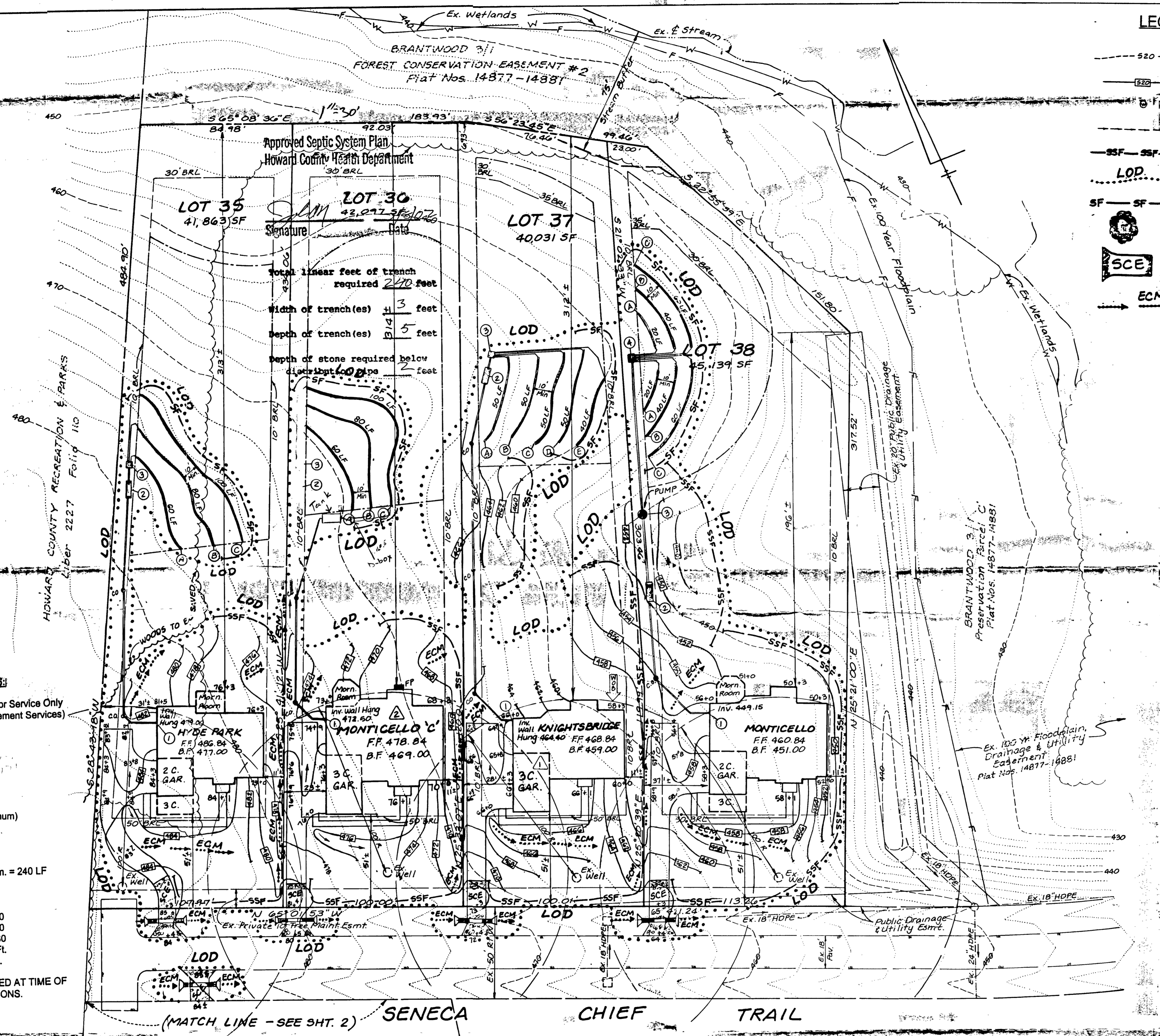
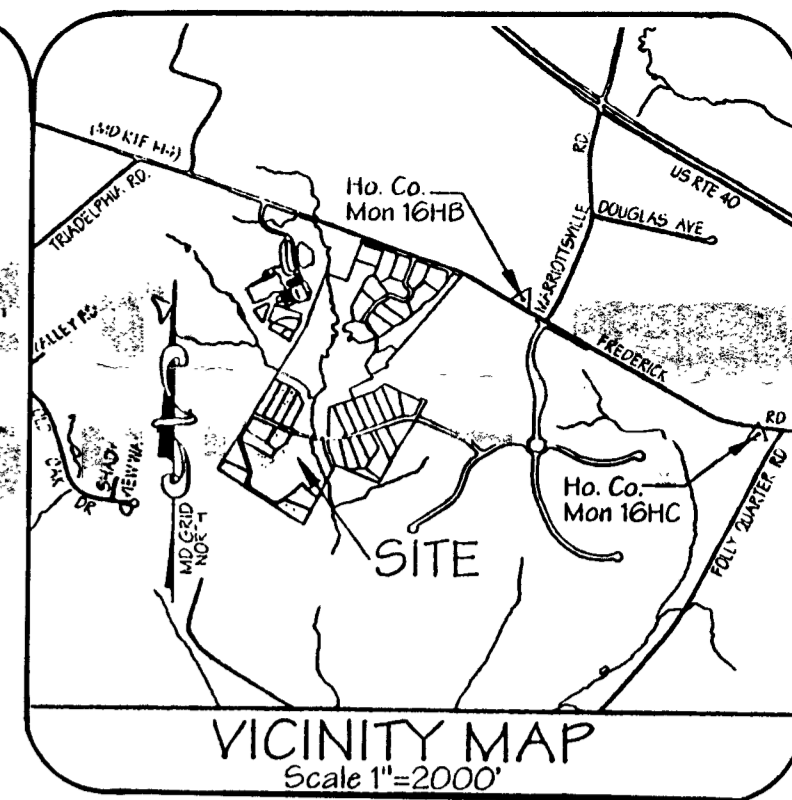
LOCATION DRAWING

TOP WALL ELEV= 477.1'

CERTIFICATION	SEAL	SCALE 1" = 50'	DATE 06/23/03
<p>This is to certify that I have surveyed the property known as: LOT 36 SENECA CHIEF TRAIL</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. Engineers, Surveyors, Planners</p> <p>9250 Rumsey Road, Suite 106 Columbia, Maryland - 21045 (410)715-1070 - (410)715-9540 Fax</p>	

LEGEND

- 520 --- EXISTING GROUND
- 520 — 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:**
- Existing Zoning: RC (Rural Conservation)
 - Plat Reference: 15251 - 15253
 - Limit of Disturbance: 2.74 Ac. +/-
 - The proposed driveway for this lot shall be a minimum of 10 feet wide, 6" crusher run with 2 1/2" macadam surface.
 - The topography shown is taken from the Howard County aerial photogrammetry.
 - See architectural plans for building dimensions.
 - See sheet 2 for individual lot septic specifications and driveway culvert profiles.
 - Sediment control measures are provided by the sediment basin constructed under FOI-78. The sediment basin shall be constructed prior to beginning any house construction shown hereon. The on lot sediment control features proposed by this plan shall be installed as supplemental controls in addition to the sediment basin.

SEQUENCE OF CONSTRUCTION

1. OBTAIN GRADING PERMIT	1 DAY
2. NOTIFY THE HOWARD COUNTY DEPT. OF INSPECTIONS, LICENSES AND PERMITS AT LEAST 24 HOURS PRIOR TO STARTING WORK.	1 DAY
3. CONSTRUCT STABILIZED CONSTRUCTION ENTRANCE.	1 DAY
4. INSTALL SILT FENCE AT LIMIT OF DISTURBANCE SHOWN HEREON.	3 DAYS
5. CLEAR AND GRUB SITE TO SUBGRADE.	5 DAYS
6. BEGIN EXCAVATION FOR HOUSE FOUNDATIONS AND BEGIN HOUSE CONSTRUCTION. INSTALL SEPTIC SYSTEM	60 DAYS
7. THE CONTRACTOR SHALL INSPECT AND PROVIDE NECESSARY MAINTENANCE ON THE SEDIMENT AND EROSION CONTROL STRUCTURES SHOWN HEREON AFTER EACH RAINFALL AND ON A DAILY BASIS.	DAILY
8. REMOVE SEDIMENT FROM ROADWAYS AND DRESS STABILIZED CONSTRUCTION ENTRANCE AS REQUIRED.	MAINTENANCE
9. FINE GRADE AND STABILIZE WITH PERMANENT SEEDING MIXTURE AND STRAW MULCH. INSTALL INDIVIDUAL DRIVEWAY AND HOUSE WALK.	5 DAYS
10. WITH PERMISSION FROM THE SEDIMENT CONTROL REMOVE ALL SEDIMENT AND EROSION CONTROL MEASURES AND STABILIZE ANY REMAINING DISTURBED AREAS WITH PERMANENT SEEDING MIXTURE AND STRAW MULCH.	5 DAYS
TOTAL TIME:	84 DAYS

SEWAGE SYSTEM DESIGN DATA / LOT 38:

- Invert at foundation wall: 472.50 First Floor Service Only (Wall Hung with Interior Pump Pit for Basement Services)
- 1500 Gallon Septic Tank (4 Bedrooms)
Provide Manhole to Finished Grnd
 - Ex. Ground Over Tank: 471.20
 - Prop. Grade Over Tank: 471
 - Invert In: 469.50
 - Invert Out: 469.20
- Distribution Box: (Provide 3 Outlets Minimum)
 - Ex. Ground Over Box: 469.15
 - Prop. Grade Over Box: 469.15
 - Invert In: 468.00
- Trench Design: 60 LF/Bedrm. X 4 Bedrm. = 240 LF

	A	B	C
Ex. Ground	469.65	469.00	468.30
Over Trench:	466.65	466.00	465.30
Inv. Trench:	464.65	464.00	463.30
Boim. Trench:	464.65	464.00	463.30
Trench Length:	60 Ft.	80 Ft.	100 Ft.
Trench Width:	3 Ft.	3 Ft.	3 Ft.

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

NOTE: NO HOUSE CONSTRUCTION OR GRADING SHALL BEGIN UNTIL THE SEDIMENT BASIN PROPOSED UNDER FOI-78 IS CONSTRUCTED AND OPERATIONAL

ENGINEER'S CERTIFICATE
I HEREBY CERTIFY THAT THIS PLAN AND EROSION AND SEDIMENT CONTROL REPRESENTS A PRACTICAL AND WORKABLE DESIGN BASED UPON MY PERSONAL KNOWLEDGE OF THE SITE CONDITIONS AND THAT IT WAS PREPARED IN ACCORDANCE WITH REQUIREMENTS OF THE HOWARD COUNTY SOIL CONSERVATION DISTRICT.
Bruce D. Bittner 2/15/02
SIGNATURE OF ENGINEER DATE

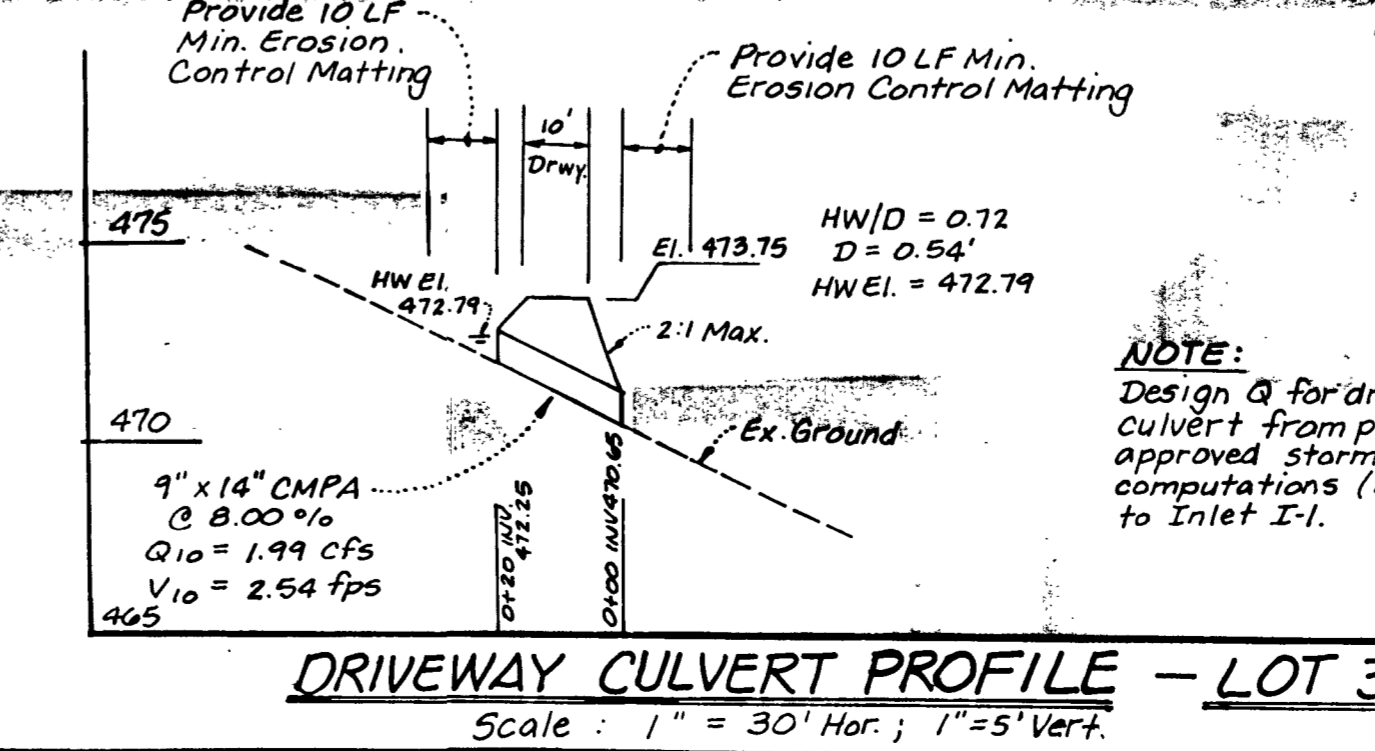
THESE PLANS HAVE BEEN REVIEWED FOR THE HOWARD SOIL CONSERVATION DISTRICT AND MEET THE TECHNICAL REQUIREMENTS.
Jim Myer 2/28/02
DATE

DEVELOPER'S CERTIFICATE
I HAVE 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 THE HOWARD COUNTY SOIL CONSERVATION DISTRICT TO CONDUCT INSPECTION OF THE PROJECT AND TO TAKE ANY NECESSARY ACTION TO ENFORCE THE DISTRICT'S REGULATIONS.
John R. Rhoton 2/15/02
SIGNATURE OF DEVELOPER DATE

THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT.
John R. Rhoton 2/28/02
DATE

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	6-6-02	Lot 36 - Revise To Monticello 'C'
2	LDE, Inc	6-3-02	Lot 37 - Knightsbridge w/3 Car Gar.



LDE, INC.
9250 Rumsey Road, Suite 106, Columbia, MD. 21045
(410) 715-1070 (301) 596-3424 (410) 715-9540 (Fax)

DESIGNED: BDB SCALE: 1"=30'

DRAWN: KBW DRAWING: 1 OF 3

CHECKED: BDB JOB NO. 01-023

DATE: 3/02 FILE NO. GP 02-104

BRANTWOOD SECTION 3 AREA 3 LOTS 30 and 35-38

TAX MAP 16 GRID 21 PLOPARCEL 205 3RD ELECTION DISTRICT HOWARD CO., MD
Previous Submittals: WP 90-16, F90-12B, WP 94-55, WP 00-59, F00-03, F00-04, F01-07, F01-13, 99-09

BUILDER: NV HOMES
2200 Defense Highway Suite 301
Crofton, Maryland 21114
Phone: (410) 721-4703

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. Feazer Co. Inc Telephone #: 410-781-4655
Address: 6301 Barnett 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. Feazer 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: Gambutt (Bryantwood) Lot #: 36 Well Tag #: HO-94-3091
Site Address: 3120 Seneca Chase 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 #: SP4002HL-03 Model#: PT 800 Screened, vented well cap:
Pump Capacity 5 GPM Depth: 42" (36" min) Cap secured to casing:
Well Yield: 5.38 GPM NSF approved: Conduit min 18" B.G.:
Depth of well encountered at time of pump installation: 200 (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. Feazer 8/18/03
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) BB
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 0730 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

ST/CO USE ONLY
DATE Received
MM DD YY
8 13

DATE WELL COMPLETED
MM DD YY
07 03 2001

Depth of Well
22 200 26
(TO NEAREST FOOT)

PERMIT NO.
FROM "PERMIT TO DRILL WELL"
HD-94-3091

OWNER: Brantwood LLC
STREET OR RFD: Sarca Chief Trail
SUBDIVISION: Brantwood 3/3 SECTION TOWN: W Friendship LOT: 9

WELL LOG
Not required for driven wells

STATE THE KIND OF FORMATIONS PENETRATED, THEIR COLOR, DEPTH, THICKNESS AND IF WATER BEARING

DESCRIPTION (Use additional sheets if needed)	FEET		check if water bearing
	FROM	TO	
Overburden	0	40	
Gray Rock	40	200	x

water at 50' & 95'

GROUTING RECORD
WELL HAS BEEN GROUTED (Circle Appropriate Box) YES (Y) NO (N)
TYPE OF GROUTING MATERIAL (Circle one)
CEMENT (CM) BENTONITE CLAY (BC)
NO. OF BAGS 12 NO. OF POUNDS 1200
GALLONS OF WATER 72
DEPTH OF GROUT SEAL (to nearest foot)
from: 0 ft. to 48 ft.
(enter 0 if from surface)

CASING RECORD
casing types insert appropriate code below
STEEL (ST) CONCRETE (CO)
PLASTIC (PL) OTHER (OT)
MAIN CASING TYPE: PL
Nominal diameter top (main) casing (nearest inch): 6
Total depth of main casing (nearest foot): 48

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

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

NUMBER OF UNSUCCESSFUL WELLS: 0

WELL HYDROFRACTURED YES (Y) NO (N)

CIRCLE APPROPRIATE LETTER
A A WELL WAS ABANDONED AND SEALED WHEN THIS WELL WAS COMPLETED
E ELECTRIC LOG OBTAINED
P TEST WELL CONVERTED TO PRODUCTION WELL

I HEREBY CERTIFY THAT THIS WELL HAS BEEN CONSTRUCTED IN ACCORDANCE WITH COMAR 26.04.04 "WELL CONSTRUCTION" AND IN CONFORMANCE WITH ALL CONDITIONS STATED IN THE ABOVE CAPTIONED PERMIT, AND THAT THE INFORMATION PRESENTED HEREIN IS ACCURATE AND COMPLETE TO THE BEST OF MY KNOWLEDGE.

DRILLERS LIC. NO. 1 MWD 399
DRILLERS SIGNATURE: Wynn Powell
LIC. NO. 1 MWD 241

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

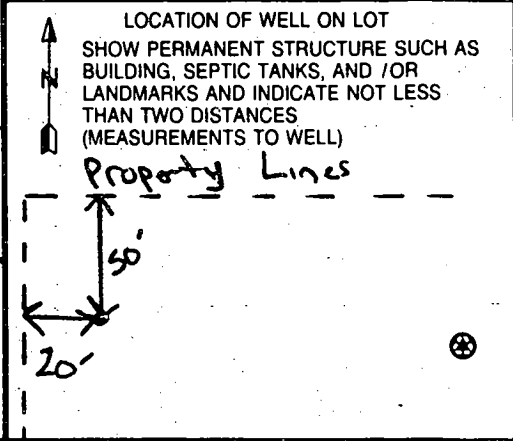
DEPTH (nearest ft.)
HO 48 200
E 8 9 11 15 17 21
A 23 24 26 30 32 36
C 38 39 41 45 47 51
S
R
E
N
SLOT SIZE 1 2 3
DIAMETER OF SCREEN (NEAREST INCH)
56 60
from to

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 (nearest hour) 3
PUMPING RATE (gal. per min.) 5.35
METHOD USED TO MEASURE PUMPING RATE: Submersible
WATER LEVEL (distance from land surface)
BEFORE PUMPING 25 ft.
WHEN PUMPING 148 ft.
TYPE OF PUMP USED (for test)
A air P piston T turbine
C centrifugal R rotary O other (describe below)
J jet S submersible

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 LAND SURFACE
- below (nearest foot) 50/51



B 1	7084	SEQUENCE NO. (MDE USE ONLY)	STATE OF MARYLAND PERMIT TO DRILL WELL	STATE PERMIT NUMBER 40-94-3091 <small>fill in this form completely</small>
1 2 3 6			W515213 please print or type	

OWNER INFORMATION

Date Received (APA) 04 23 01
8 MM DD YY 13

Brantwood LLC
15 Last Name Owner First Name 34

8835 P Columbia 100 Pkwy
36 Street or RFD 55

Columbia MD 21045
57 Town 70 State 72 Zip 76

LOCATION OF WELL

Howard
8 COUNTY 21

Brantwood
23 SUBDIVISION 42

SECTION 3 LOT 9 Area 3
44 46 48 50

West Friendship
52 NEAREST TOWN 71

MILES FROM TOWN (enter 0 if in town) 2 M I J
73 76 77 78

DRILLER INFORMATION

Paul M. Fabiszak M W D 399
Driller's Name 76 License No. 81

G. Edgar Harr Sons' Corp.
Firm Name

12047 Falls Road, Cockeysville 21030
Address

Paul M. Fabiszak 4/18/01
Signature Date

DIRECTION OF WELL FROM TOWN (CIRCLE BOX)

NEAR WHAT ROAD Seneca Chief Trail
11 30

ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX)

34 50 37
DISTANCE FROM ROAD ENTER FT OR MI 38 39

TAX MAP: _____ BLK: _____ PARCEL: _____

WELL INFORMATION

APPROX. PUMPING RATE (GAL. PER MIN.) 5
8

AVERAGE DAILY QUANTITY NEEDED (GAL. PER DAY) 750
14 20

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 13
COUNTY NAME COUNTY NO.

STATE SIGNATURE _____ INSERT S _____ 41

DATE ISSUED 04/30/01 d'Arcy 4/30/02
43 MM DD YY 48 CO SIGNATURE EXP. DATE

NORTH GRID 520 000 EAST GRID 820 000
50 55 57 63

APPROXIMATE DEPTH OF WELL 250 FEET
24 28

APPROXIMATE DIAMETER OF WELL 4 INCH
NEAREST INCH

SHOW MAJOR FEATURES OF BOX & LOCATE WELL WITH AN X

SOURCES OF DRILLING WATER

- well
-
-

WRITE THE BOX NUMBER FROM THE MAP HERE

E 820
N 520

7/5/01
9200
NO INSP

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)

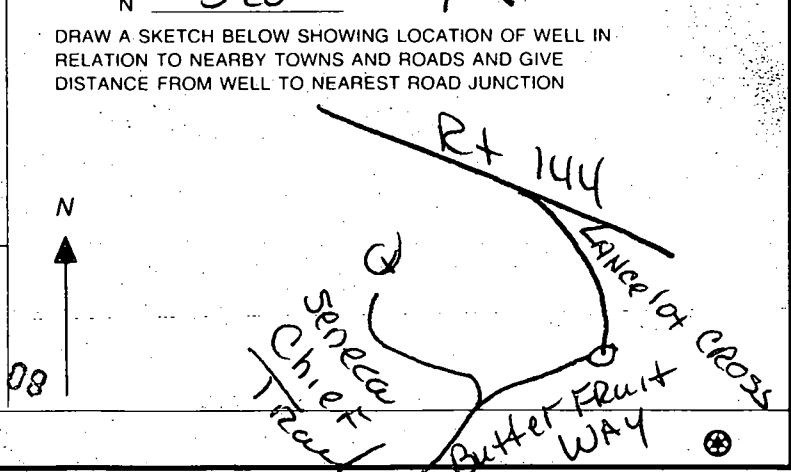
THIS WELL WILL NOT REPLACE AN EXISTING WELL

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 DEEPEM AN EXISTING WELL

PERMIT NUMBER OF WELL TO BE REPLACED OR DEEPEMED (IF AVAILABLE) 41 _____ 52



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

APPROX. PERMIT NUMBER H 099-308-03

PERMIT No. 40-94-3091-08
70 71 72 73 74 75 76 77 78 79

SPECIAL CONDITIONS

NOTE: APPROVING AUTHORITYS SHOULD USE SEPARATE SHEET IF NEEDED

HOWARD COUNTY RECREATION AND PARKS
2227/110
Zoned: RC

Will all be added to D2
by DE

CHB2

CID2

SECTION 3, AREA 3

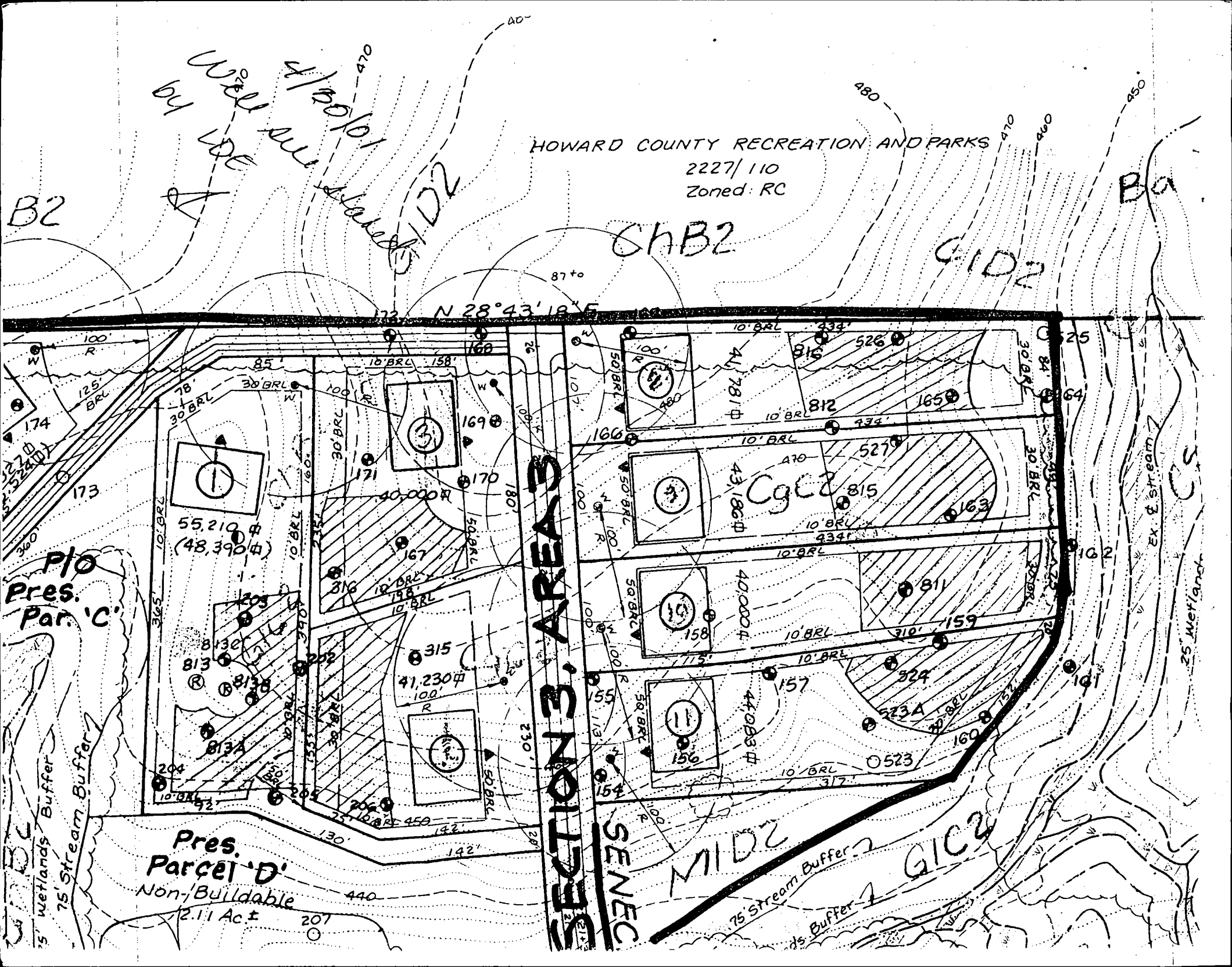
SENECA

MID2

75' Stream Buffer 2
75' Stream Buffer 1
GIC2

P/O
Pres. Parcel 'C'

Pres. Parcel 'D'
Non-Bulldable
12.11 Ac ±



N 28°43'18" E

B2

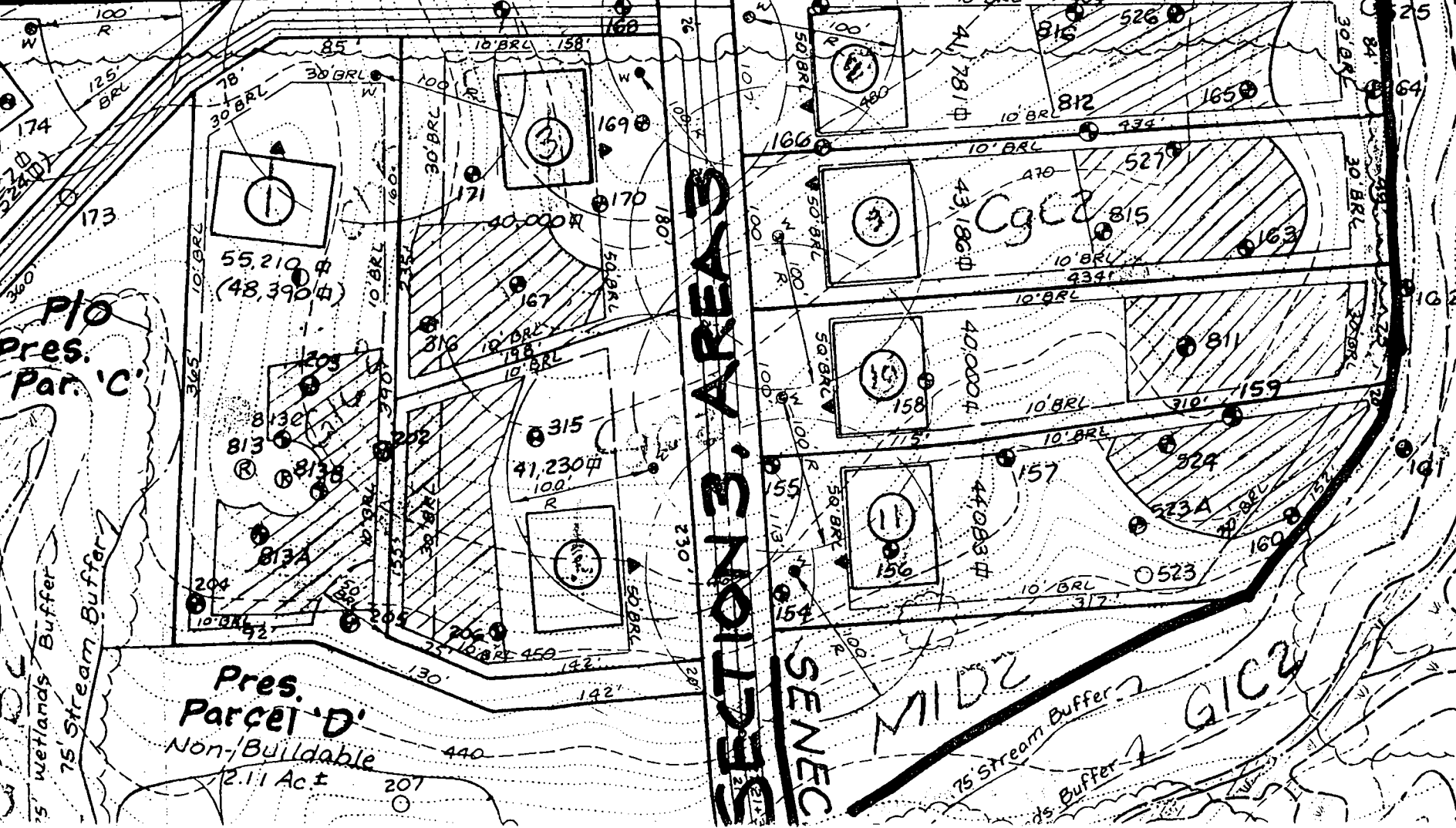
Ba

C5

25' Wetland

75' Wetlands Buffer
75' Stream Buffer

ex. Stream



APPLICATION

PERCOLATION TESTING

A 510571U

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. 215/16/17/18

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

510571U

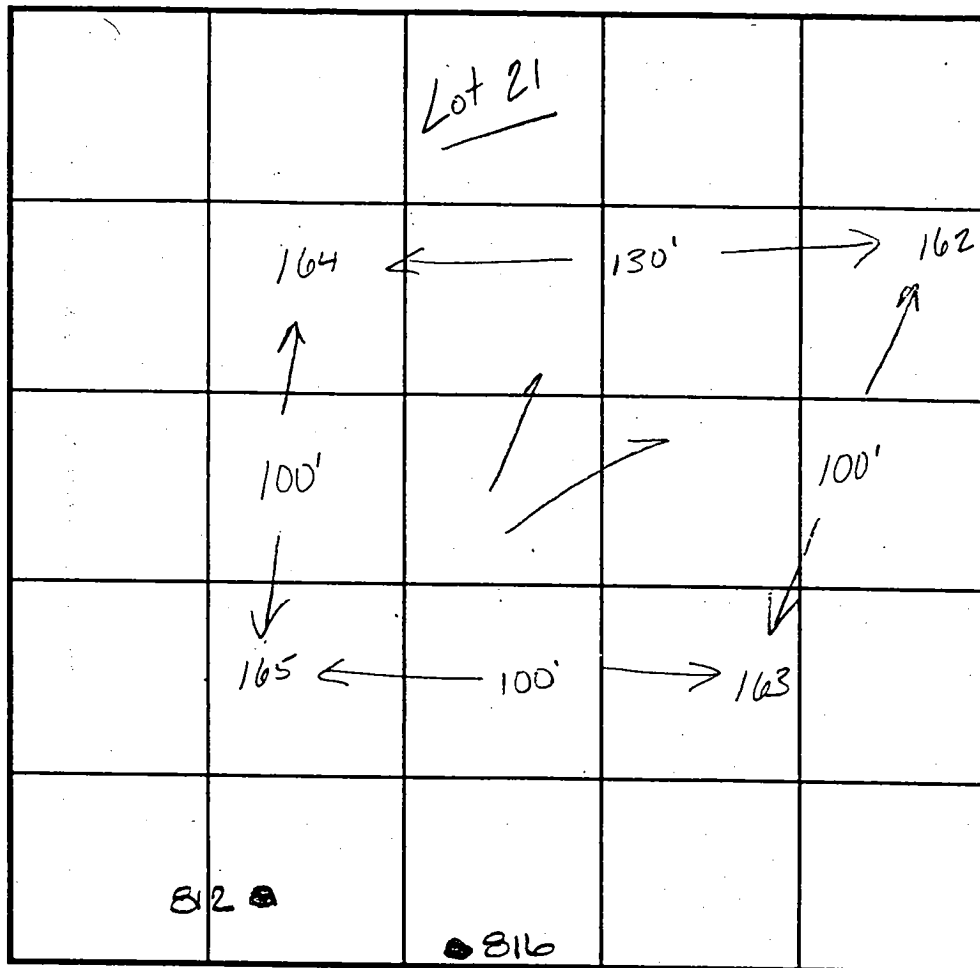
COUNTY #

SOIL PROFILE

0' 164
orange
cl lm
3'
orange/
brown
sclm
10%
shale
frags
↓
12'

165
orange
cl lm
3'
beige
orange
sclm
gravelly
10%
saprolite
frags
12'

162 163
orange
cl lm
3'
beige/tan
sclm
mica
fecs
10%
volk
frags
1'



SOIL PROFILE

0' 812
no
distinct
clay
layer
orange
brown
sclm
59%
Rx
120'

816
high
sclm
20%
mica
shale

INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
8-24-98	164	3.0'S	10:24 ₁₀	10:25 ₄₅	10:25 ₄₅	10:27 ₃₀	145
		12.0'D	visual	ok	- see profile		
	165	12.0'D	visual	ok	- see profile		
	162	11.0'D	visual	ok	- see profile		
	163	3.0'S	10:24 ₁₀	10:25 ₄₅	10:25 ₄₅	10:27 ₃₀	2min
		12.0'D	visual	ok	- see profiles		
11-8-99	812	Visual to 12-0	see profile				OK
	816	Visual to 12-0	see profile				OK

REMARKS test holes staked by surveyor

TYPE OF SOIL _____
 TESTED BY Jim Pinto ALSO PRESENT Tim Feaga
 TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME 2 minutes TRENCH WIDTH _____
 INLET DEPTH _____ MAXIMUM BOTTOM DEPTH _____ SQ. FT./BEDROOM 180

COUNTY #

SOIL PROFILE
523

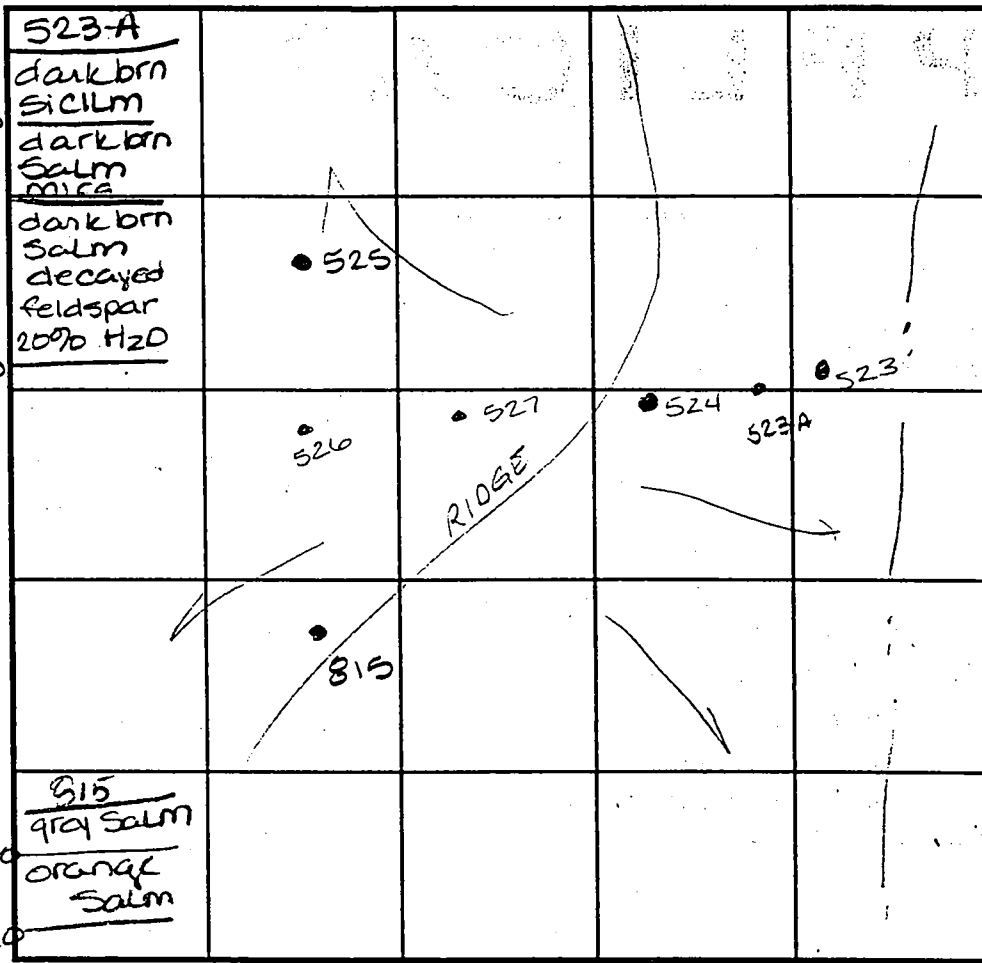
0' heavy red Sicilm
2.0
9.0
3.0 micaceous Salm
12.0
pockets of quartz water
9.5

524

3.0 dark red Sicilm
or brown Salm
12.0
micaceous 20-40%
micaceous shale

~~327~~ 327

2.5 1st yellow brn Sicilm
dull brown micaceous Salm w/ pockets of yellow decayed quartzite
2.0



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

SOIL PROFILE
32L

0' no distinct clay layer
1st orange tan w/ pockets of white decayed quartzite
12.0
JOL

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 com					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

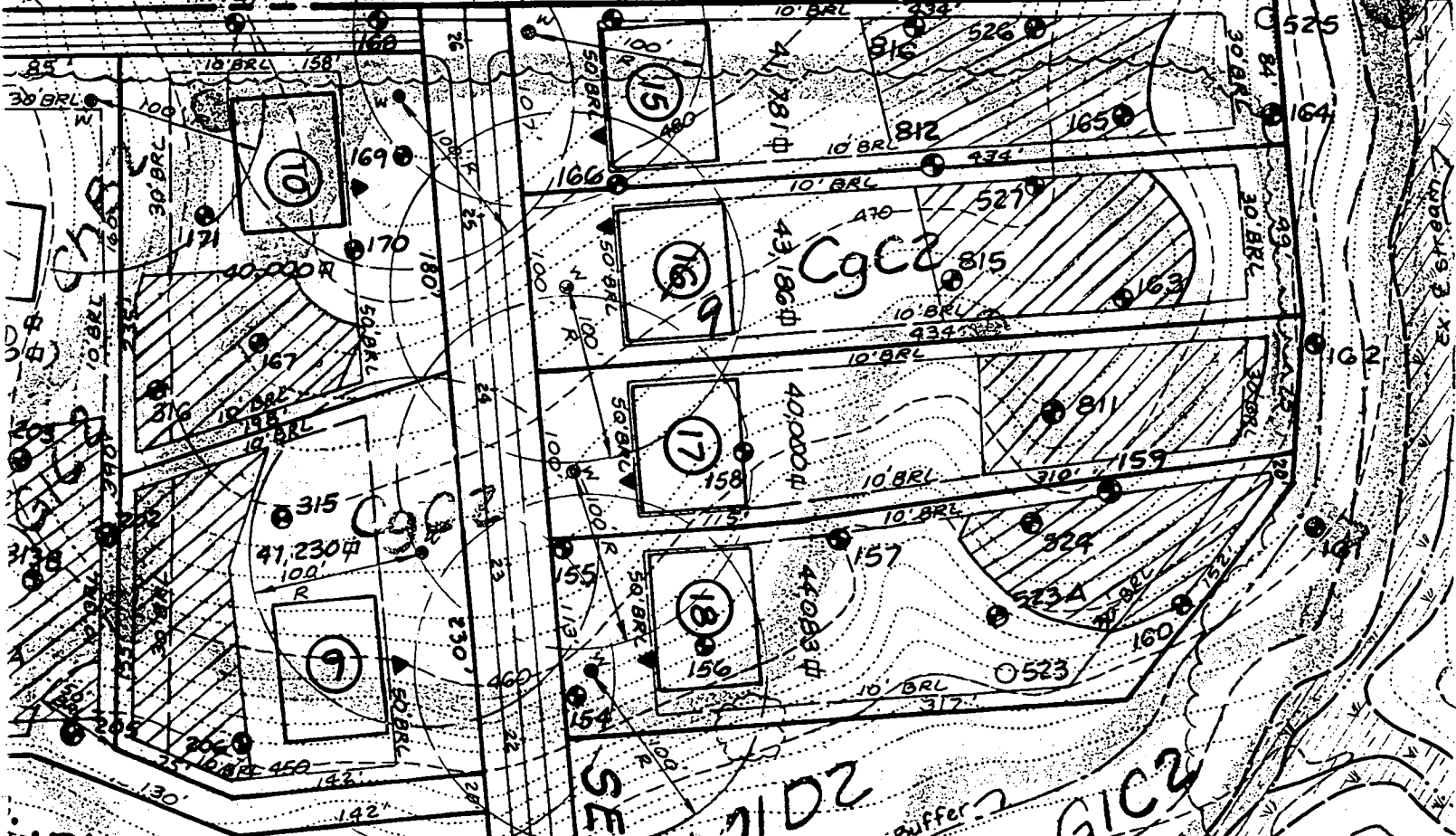
HOWARD COUNTY RECREATION AND PARKS
2227/110
Zoned: RC

G1D2

ChB2

G1D2

N 28°43'18" E 167



SENECA TRAIL

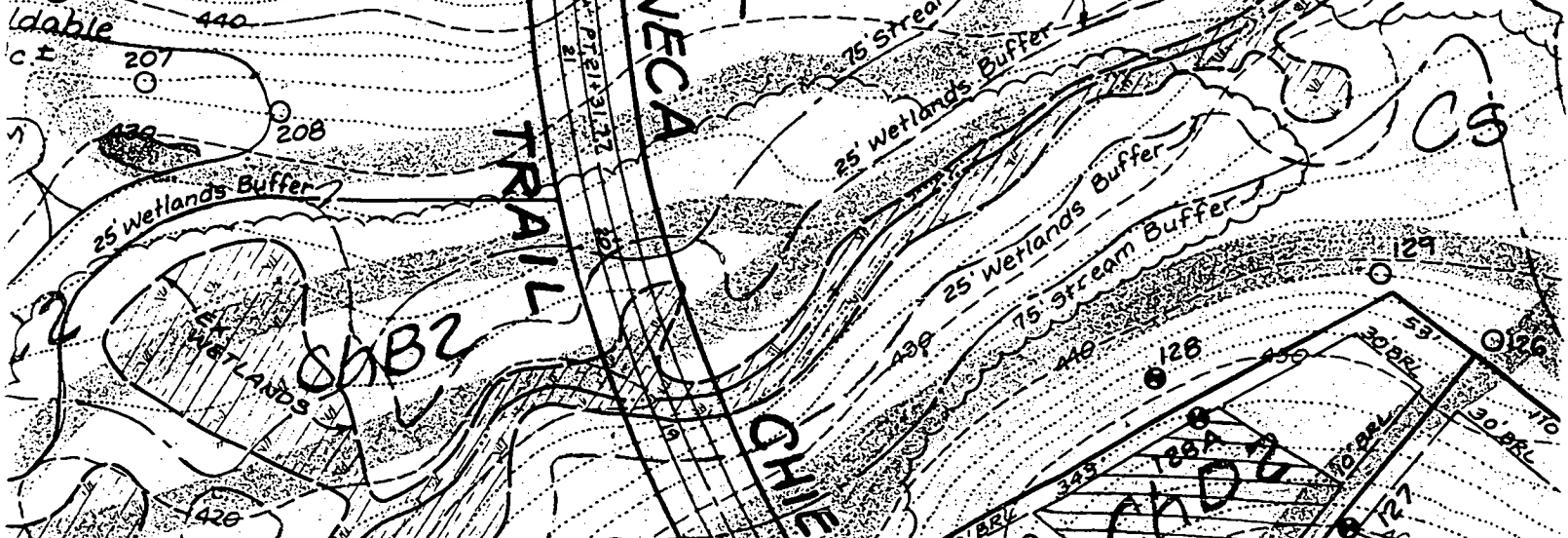
G1D2

G1C2

ChB2

ChB2

G1D2



100 Yr
(SDP 9)

POSSIBLE
FUTURE
ALIGNMENT

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

HOWARD COUNTY RECREATION AND PARKS

2227/110
Zoned: RC

P.00.04
S.17.00

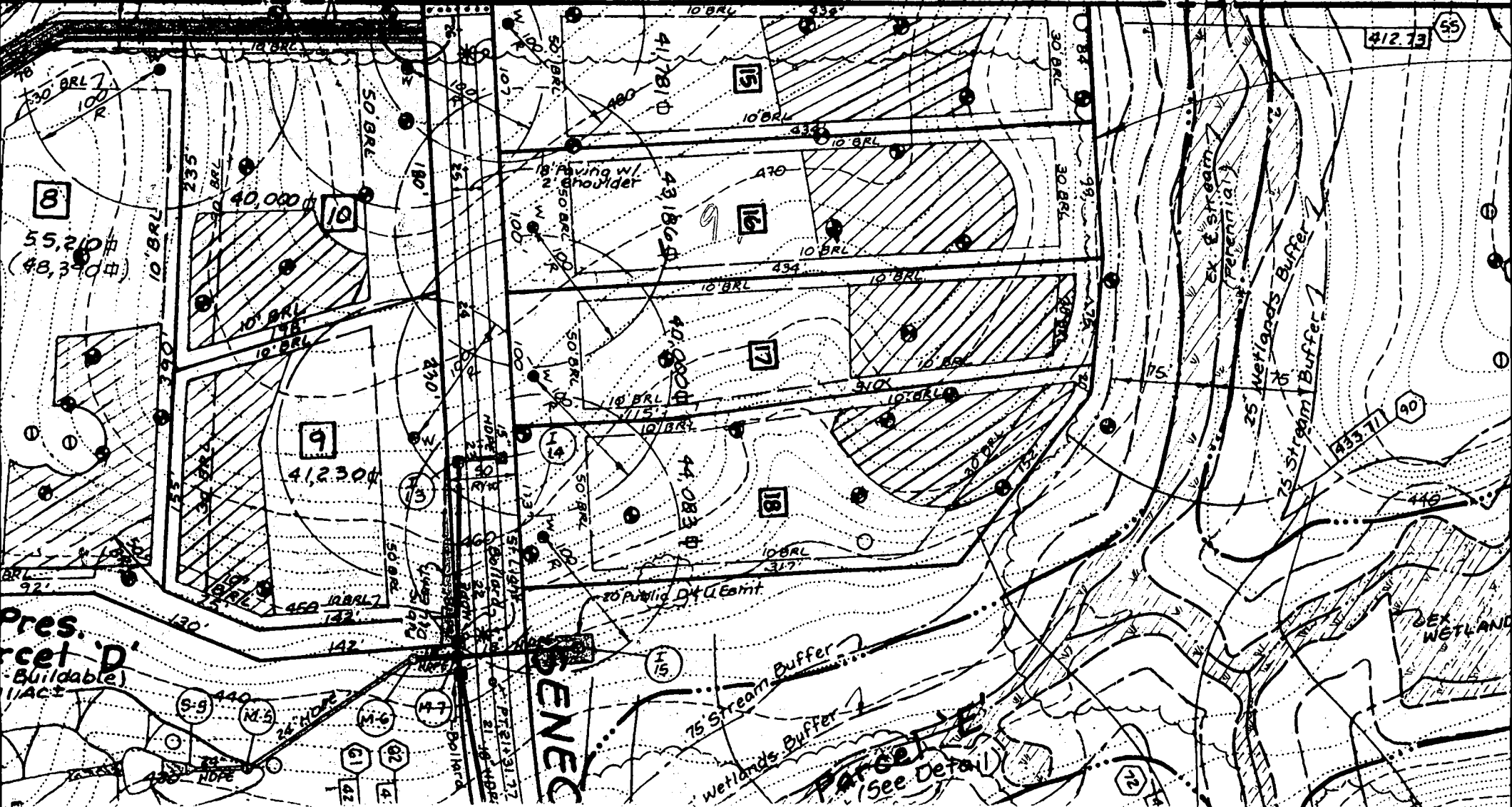
LIMIT OF SUBMISSION
Sta. 26+19.41

Gate Access
For Lots 9, 11-14

Wide Use In
Common Driveway

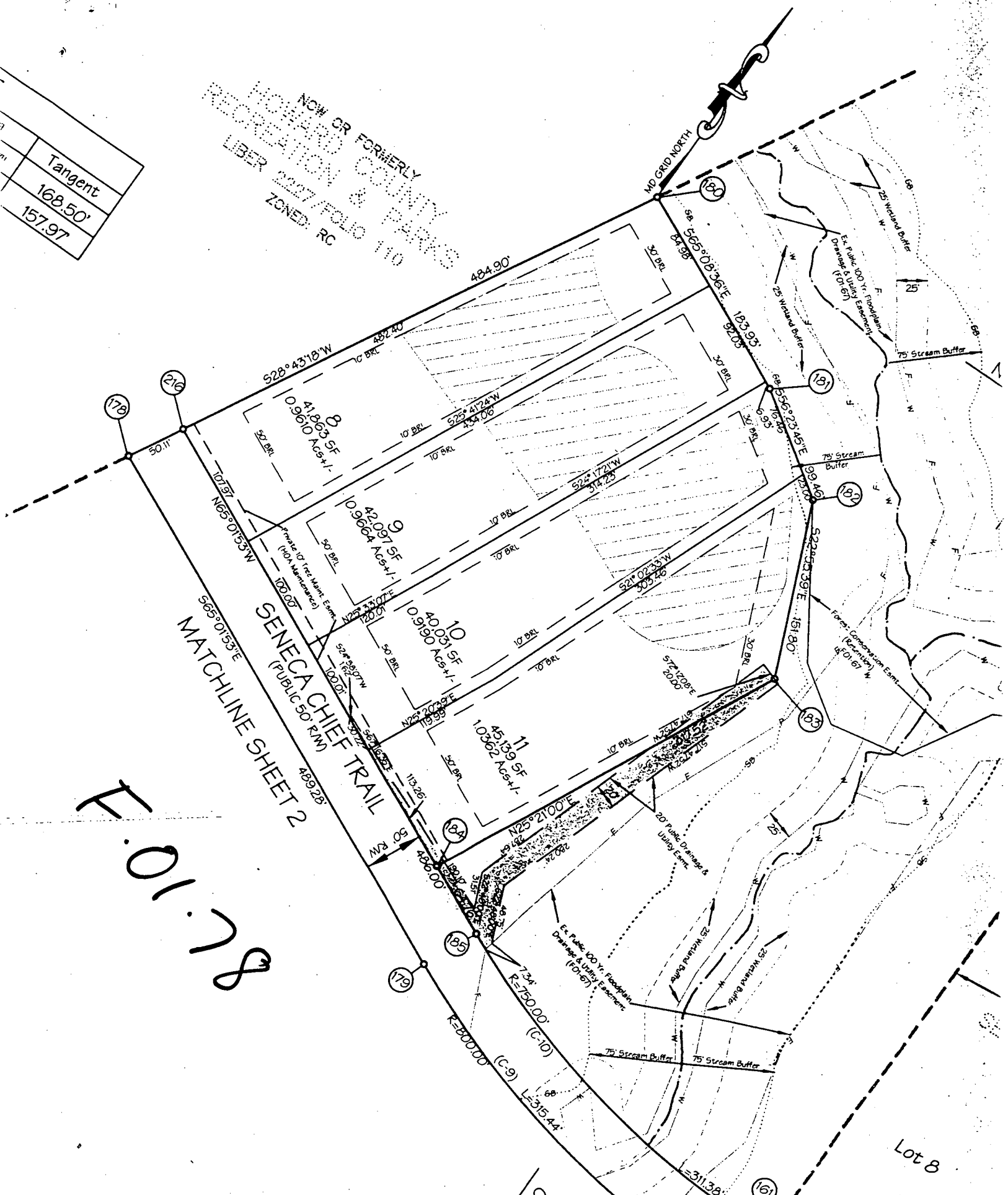
N 28° 43' 18" E

1815.03'



Tangent	168.50'
	157.97'

NOW OR FORMERLY
 HOWARD COUNTY
 RECREATION & PARKS
 LIBER 2207/FOLIO 110
 ZONED: RC



SENeca CHIEF TRAIL
 (PUBLIC 50' RM)
 MATCHLINE SHEET 2

F.01.78

Lot 8