

LAYOUT _____ INSP 4 _____
 INSP 2 _____ INSP 5 _____
 INSP 3 _____ INSP 6 _____

ISSUE DATE: 10/14/04

APPROVAL DATE: 3/10/05

**PERMIT
INDEXED**

P 521540

A 58225-NN

04359852

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

CLASSIC PLUMBING & HTG. IS PERMITTED TO INSTALL ALTER

ADDRESS: _____ PHONE NUMBER: _____

SUBDIVISION: Vineyards @ Cattail Creek LOT NUMBER: 7

ADDRESS: 3559 Cattail Creek PROPERTY OWNER: James P. Ryan, Jr.

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: 200 HOUSE SERVED BY PUBLIC WATER

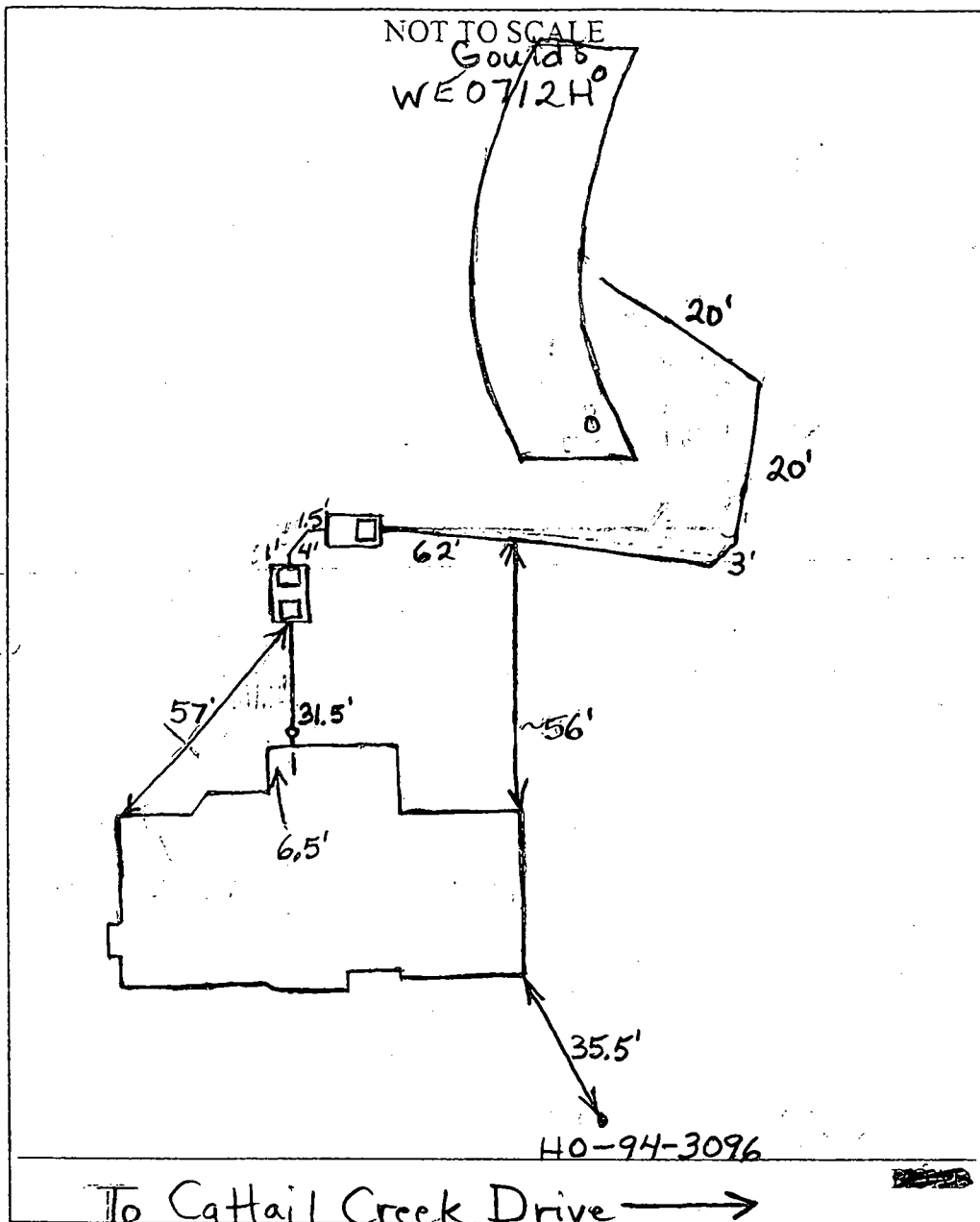
TRENCHES:	Trench to be 3.0 feet wide. Inlet 4.0 feet below original grade. Bottom maximum depth 5.0 feet below original grade. Effective area begins at 4.0 feet below original grade. 1.0 feet of stone below distribution pipe.
LOCATION:	From the end of the pipe stem access, place the distribution box 185' down the right lot line and 10' off of that lot line. Trenches to follow contour toward the left side of the lot.
NOTES:	At the time of the layout inspection, contractor is to excavate deep test pit in SDA to verify soils.

PLANS APPROVED: John Boris Reviewed by: _____ DATE: 3/8/04

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**

A58225-NN



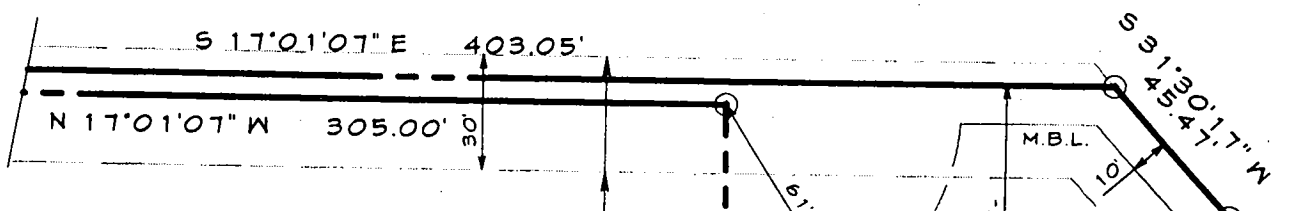
TRENCH DRAINFIELD DATA		
WIDTH	INLET	BOTTOM
At Grade		
NUMBER OF TRENCHES		
TOTAL LENGTH		
ABSORPTION AREA 1000+ sq ft.		
DISTRIBUTION BOX LEVEL N/A		
DISTRIBUTION BOX BAFFLE		
DISTRIBUTION BOX PORT		

SEPTIC TANK DATA	
SEPTIC TANK 1 LEVEL	✓
2-Comp CAPACITY	1500 GAL
SEAM LOC.	Top
TANK LID DEPTH	~1'
BAFFLES	Yes
BAFFLE FILTER	Yes
MANHOLE LOC	Front+Back
6" PORT LOC	None
WATERTIGHT TEST	No
SEPTIC TANK 2 LEVEL	✓
CAPACITY	1500 GAL
SEAM LOC	Top
TANK LID DEPTH	2.5'-3'
BAFFLES	Front
BAFFLE FILTER	No
MANHOLE LOC	Rear
6" PORT LOC	None
WATERTIGHT TEST	No

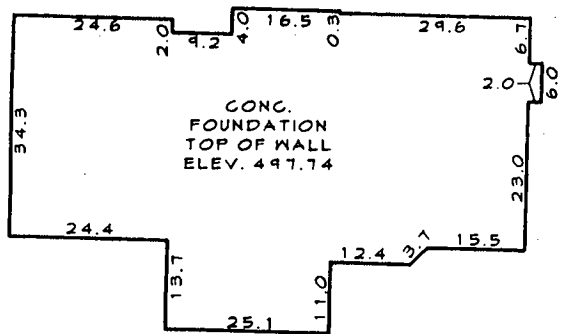
PRE-CONSTRUCTION 10/04-12/04 Due to shallow rock in the top of the septic easement an at grade system was installed. The installation area was covered with plastic. It wasn't until December that the area was dry enough to be plowed. The installation took place on a weekend with no inspection when the weather was suitable. The installers were familiar with sand mound construction. The area was supposed to be first graded to allow water to flow over the at grade. Check grading, pump and alarm, effluent filter, proper turn-up head and presence of

FINAL INSPECTOR B. Baker DATE OF APPROVAL 3/10/05

bauble in pump chamber. (BB) 3/10/05 Everything O.K. To regrade around mound during spring. Supposed to get pictures of installation



PRIVATE USE-IN-COMMON DRIVE ACCESS EASEMENT FOR THE BENEFIT OF LOTS 5 THRU 8. MAINTENANCE OBLIGATION AGREEMENT RECORDED AMONG THE LAND RECORDS OF HOWARD COUNTY, MARYLAND.

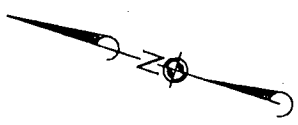


DETAIL 1"=30'

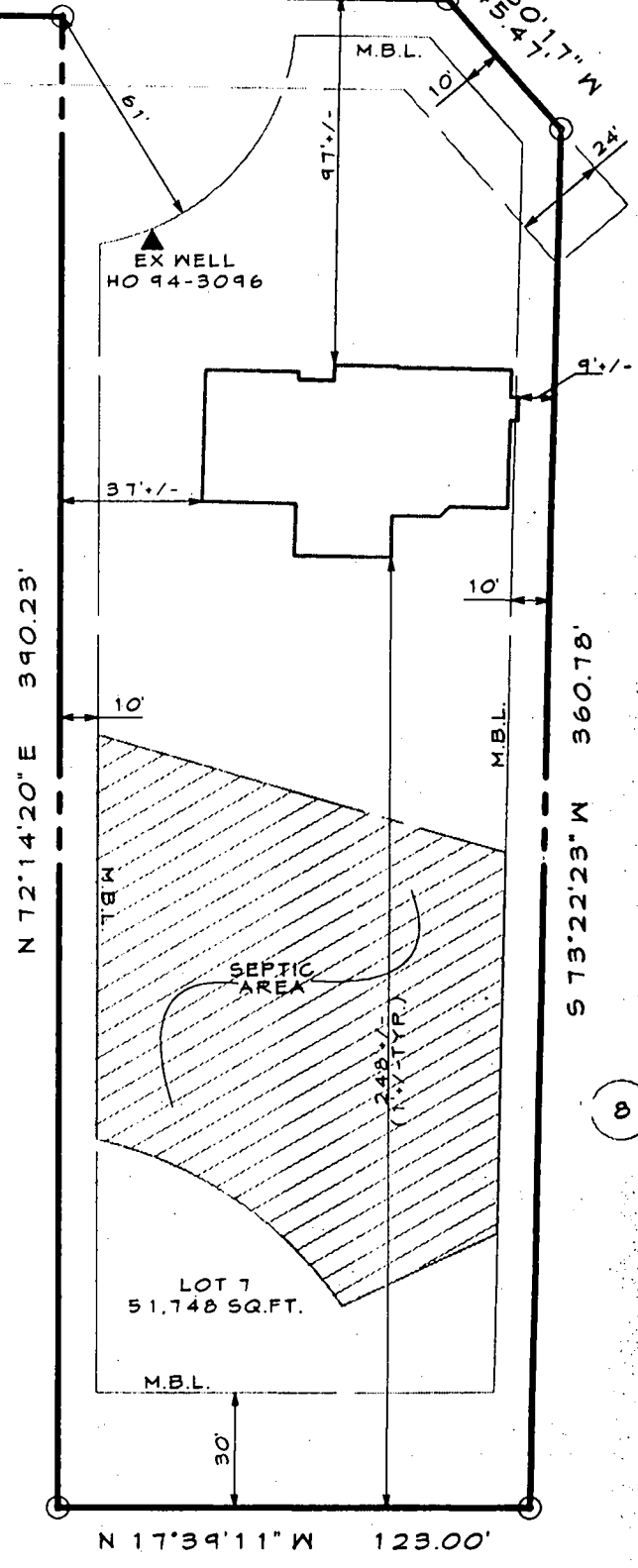
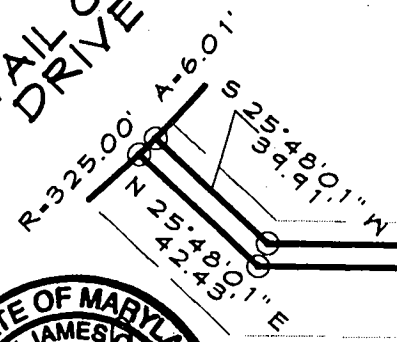
6

10/14/04
wall check
OK

KSB/PPY



CATTAIL CREEK DRIVE



8



LOCATION DRAWING
LOT 7
VINEYARDS AT CATTAIL CREEK

4th ELECTION DISTRICT • HOWARD COUNTY, MARYLAND
PLAT # 12645

I hereby certify that I have surveyed the property shown hereon for the sole purpose of locating the improvements. This plan is a benefit to the consumer only in so far as it is required by a lender or a title insurance company or its agent in connection with contemplated transfer, financing or refinancing. It is not to be relied upon for the establishment of boundary, easement or right-of-way lines for any reason, such as the location of fences, garages, buildings, or other existing or future improvements.

By *[Signature]* Date 04/06/04
Gary J. Gannon Professional Land Surveyor No. 21168



Engineers • Surveyors • Land Development Consultants
Landscape Architects • Environmental Specialists
439 East Main Street Westminster, MD 21157-5539
(410) 848-1790 FAX (410) 876-0009

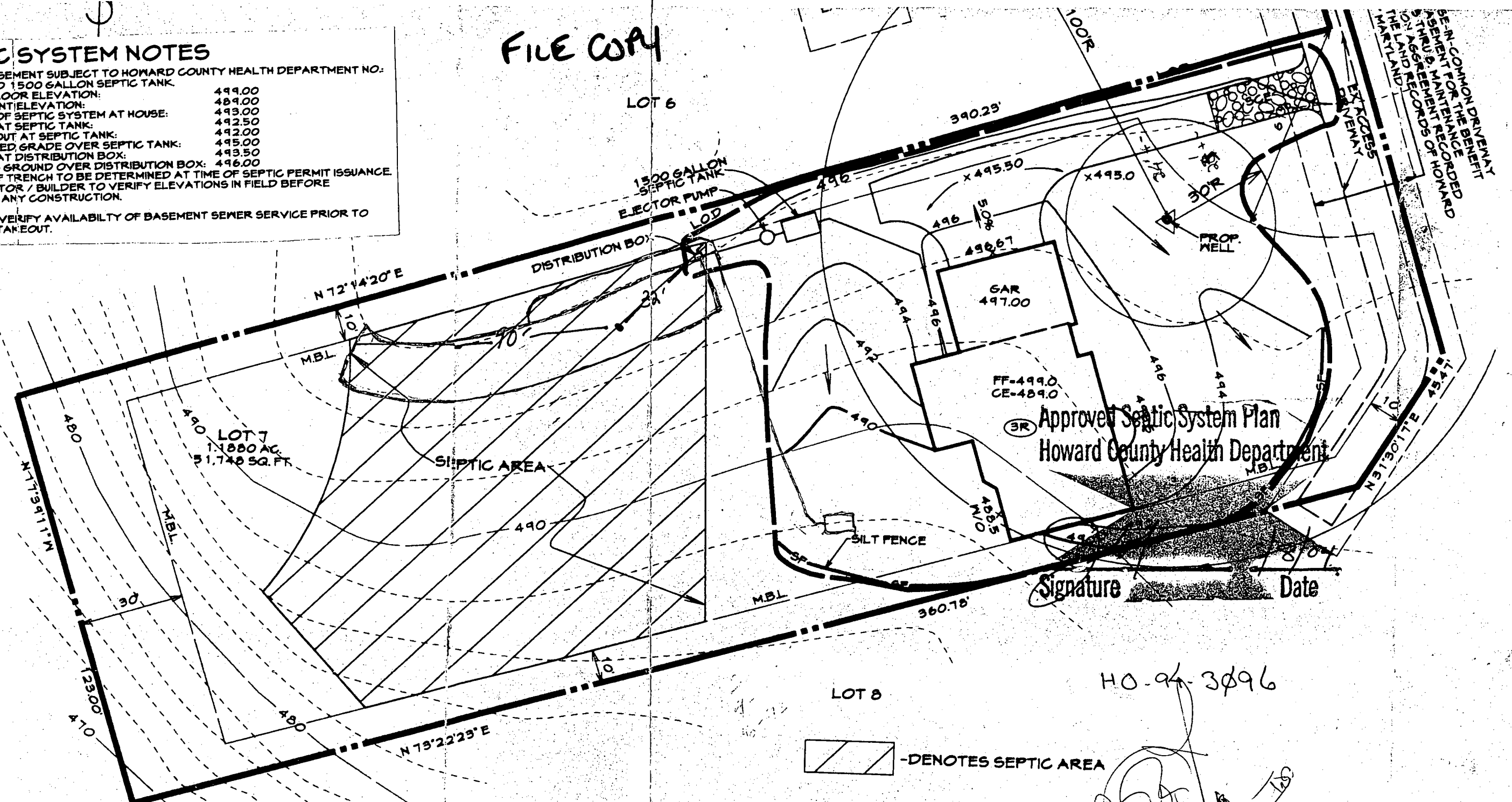
DRAWN BY:	CDD
DESIGN BY:	
REVIEW BY:	GJG
DATE:	4-02-04
SCALE:	1"=50'
JOB NO:	2001225
SHEET:	1 OF 1

SEPTIC SYSTEM NOTES

1. SEPTIC EASEMENT SUBJECT TO HOWARD COUNTY HEALTH DEPARTMENT NO.
2. PROPOSED 1500 GALLON SEPTIC TANK
3. A. FIRST FLOOR ELEVATION: 499.00
- B. BASEMENT ELEVATION: 489.00
- C. INVERT OF SEPTIC SYSTEM AT HOUSE: 493.00
- D. INVERT AT SEPTIC TANK: 492.50
- E. INVERT OUT AT SEPTIC TANK: 492.00
- F. PROPOSED GRADE OVER SEPTIC TANK: 495.00
- G. INVERT AT DISTRIBUTION BOX: 493.50
- H. EXISTING GROUND OVER DISTRIBUTION BOX: 496.00
4. LENGTH OF TRENCH TO BE DETERMINED AT TIME OF SEPTIC PERMIT ISSUANCE
5. CONTRACTOR / BUILDER TO VERIFY ELEVATIONS IN FIELD BEFORE BEGINNING ANY CONSTRUCTION.

BUILDER TO VERIFY AVAILABILITY OF BASEMENT SEWER SERVICE PRIOR TO DWELLING STAKEOUT.

FILE COPY



Signature _____ Date _____

HO-94-3096

Handwritten signature and notes:
 20 Jan 04
 Tyler Homes, Inc.

FINAL GRADING AND HOUSE LOCATION PLAN
 SCALE 1"=30'

- DENOTES SEPTIC AREA

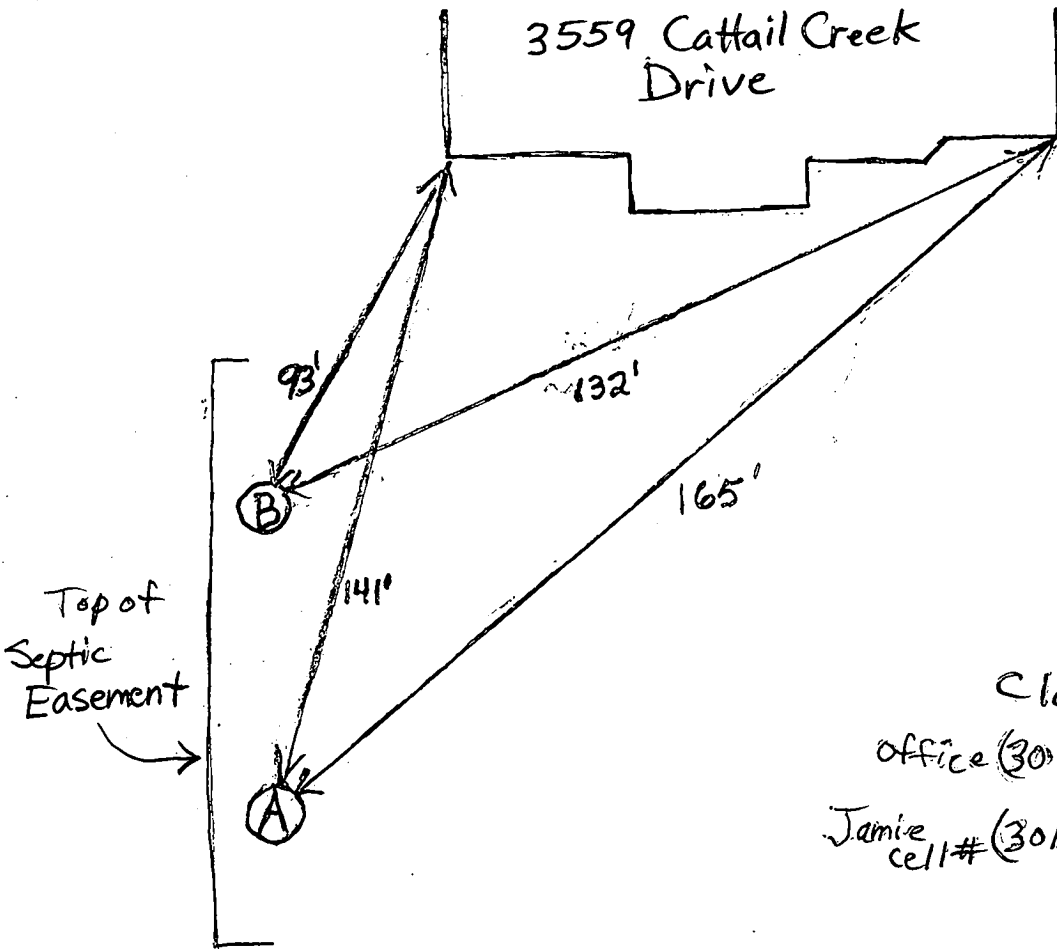
DATE	REVISIONS	
1/10/03	RESITE NEW HOUSE AND GRADES	JEP
7/1/03	RESITE NEW HOUSE AND GRADES	JEP

PLAN TO ACCOMPANY APPLICATION FOR BUILDING PERMIT
VINEYARDS AT CATTAIL CREEK
LOT 7
 4TH ELECTION DISTRICT CARROLL COUNTY MARYLAND

DEVELOPER
 YAN JR.

Vineyards at Cattail Creek - Lot 7

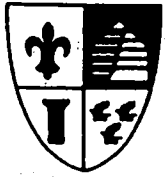
10/20/04 Two Holes Were Dug to Check Soils at
Top of Septic Easement (B)



Classic P+H -
office (301) 695-7934
Jamie cell# (301) 748-6708

Very Rocky Below 4'
In Both Test Holes

A		B	
Topsoil, Loam ~20% Rock	4'-7 minutes	Br Topsoil, Loam	1.5'
Red Br Sa Loam ~50% Rock	2'9" - 3 1/2 Min.	Red Br Sa Loam, ~20% Rock	3.5'
Red Brand Br Sa Loams Several Veins of 80-90% Rock Below 4' ~60% Rock Overall	9" - 3 1/2 Min. Bottom (10') ~1" per minute	Br Sa Loam Very Large Vein of ~90% Rock from 4' to Bottom ~75% Rock Overall	9'
			2.5' - 3 1/2 Minutes
			3'9" - 4 1/2 Minutes
			10" - 10 min. - Partly into Bottom (9') ~30 seconds per inch



**RYLEA
HOMES**

The enclosed check is for the septic permit on the below listed address. Any questions, please call.

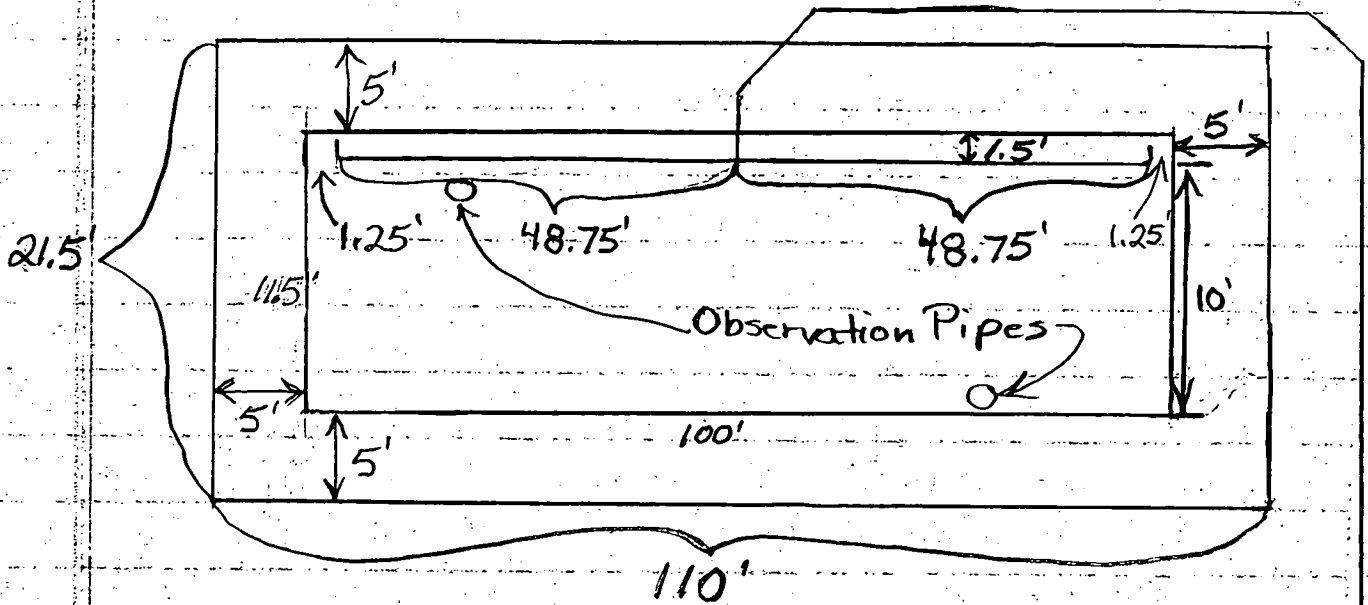
Thanks,

Cheryl

Lot 7 Vineyards @ Cattail
3559 Cattail Creek Drive
Glenwood, Md 21738

At-Grade Plans For 3559 Cattail Creek Dr.

Top View -



Total Area of At-Grade = $21.5' \times 110'$

Plow Entire Area

Gravel Bed Area = $11.5' \times 100'$

Need Two 48.75' Laterals That Are 2" in Diameter and Connected to Force Main in the Upper Middle of the Plowed Area

Laterals Will Each Have 20 - $5/16''$ Holes That Will Have a Spacing of 2.5'
A Turn-Up is Needed at the End of Each Lateral with a $5/16''$ Hole Drilled Horizontally Into the Elbow

An Effluent Filter is Required in the First Septic Tank

To Pump Chamber
2.5" - 3"
Force Main

Attn
Stephanie

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: Classic Plumbing Telephone #: 301 695 1934
Address: Po Box 1143
Fredrick Md 21702

(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 Halley License# 7788

*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: Rylea Homes Telephone #: 301 629 8097
Subdivision: Cattail Creek Lot #: 7 Well Tag #: HO-94-3296
Site Address: 3559 Cattail Creek Dr

Submersible Pump Data Pitless Adapter Well Cap and Electric Conduit
Make: Grundfos Make: _____ Two piece watertight cap: _____
Model #: 65B0722 Model: _____ Screened, vented well cap: _____
Pump Capacity _____ GPM Depth: _____ (36" min) Cap secured to casing: _____
Well Yield: 0PM NSF approved: _____ Conduit min 18" B.C.: _____
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
To: que arrestors or Cable guards are required - Must circle one
Safety rope, if used, attached to inside of well casing with eye bolt _____

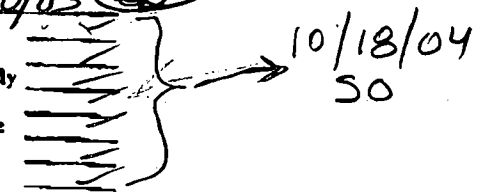
Piping to house House Connection
Type: poly PVC sleeved to undisturbed soil at wall penetration: yes
PSI: 100 (160 psi min) Approximate length of sleeve: 40'
Depth of supply line: 36' (36" min) Sleeve caulked and sealed properly: yes 2x1" ferro

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 Halley 10/12/04
Signature of company representative responsible for installation date

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

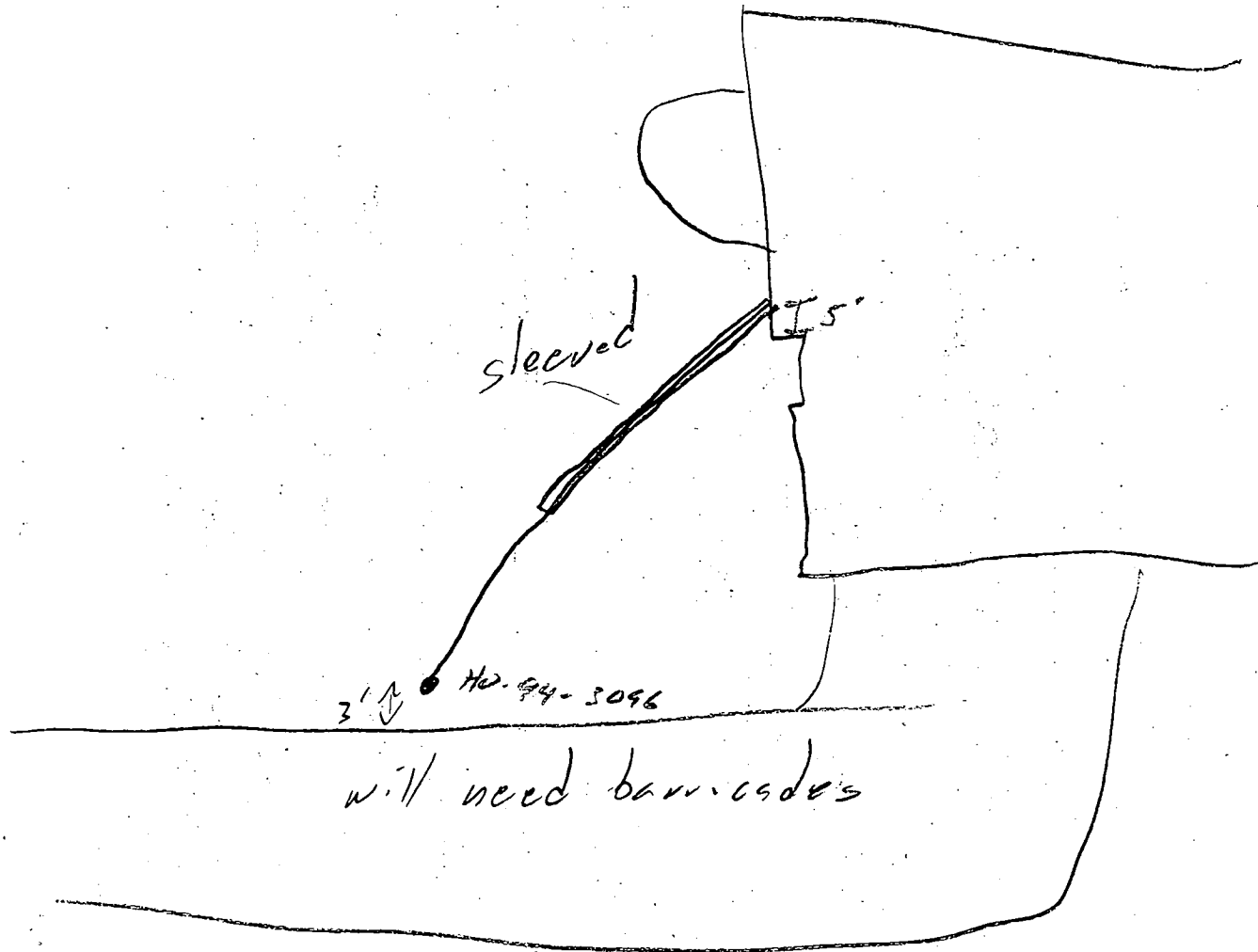
Date Insp. Requested: _____ Date Insp. Approved: 3/10/05 BB
Inspection Data: Pitless adapter and water supply line at least 36" below grade
Two piece cap installed and attached to casing securely
Elec. conduit extends at least 18" below grade/attached to cap properly
Safety rope installed inside of well 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



HD-215 (Rev. 8/00)

12/21/04 - Van Stuck on DWR
Top of Well - Cap Gone BB

2/14/05 Well Cap Bolts Loose Well 5' From Driveway - Probably O.K. BB 3/10/05 Cap tight. BB



sleeved

15'

3' ↓ ● HO-94-3096

will need barricades

C1 0735

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 A58225NN

DATE RECEIVED OCT 09 2001

DATE WELL COMPLETED MM 09 DO 24 YY 01

DEPTH OF WELL 300 (TO NEAREST FOOT)

PERMIT NO. FROM "PERMIT TO DRILL WELL" HO-94-3096

OWNER Rachuba Home Builders STREET OR RFD Cattail Creek Drive TOWN Glenwood SUBDIVISION Vineyards at Cattail Creek SECTION LOT 7

WELL LOG table with columns: DESCRIPTION (Use additional sheets if needed), FEET (FROM, TO), check if water bearing. Rows include Brown shale, Gray slate, Brown, Gray-white.

GROUTING RECORD form including: WELL HAS BEEN GROUTED (Y), TYPE OF GROUTING MATERIAL (Cement, Bentonite Clay), NO. OF BAGS, NO. OF POUNDS, GALLONS OF WATER, DEPTH OF GROUT SEAL.

CASING RECORD form including: casing types insert appropriate code below (ST, CO, PL, OT), MAIN CASING TYPE (ST), Nominal diameter top (main) casing, Total depth of main casing.

OTHER CASING (if used) form including: diameter inch, depth (feet) from to.

SCREEN RECORD form including: screen type or open hole (insert appropriate code below: ST, BR, HO, PL, OT), SCREEN RECORD.

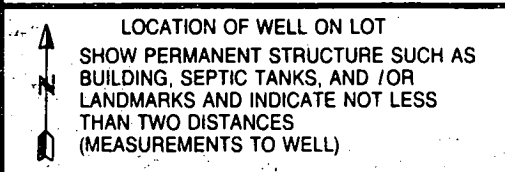
DEPTH (nearest ft.) form including: depth (nearest ft.) 37, 300, CASING HEIGHT (+ above, - below), LAND SURFACE.

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

MDE USE ONLY (NOT TO BE FILLED IN BY DRILLER) form including: TELESCOPE CASING, LOG INDICATOR, OTHER DATA.

PUMPING TEST form including: HOURS PUMPED (03), PUMPING RATE (10), METHOD USED TO MEASURE PUMPING RATE (1 gal), WATER LEVEL (distance from land surface) BEFORE PUMPING (45 ft), WHEN PUMPING (66 ft), TYPE OF PUMP USED (S submersible).

PUMP INSTALLED form including: DRILLER INSTALLED PUMP (YES), 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), PUMP HORSE POWER, PUMP COLUMN LENGTH (nearest ft.), CASING HEIGHT (circle appropriate box and enter casing height).



Administrative forms including: NUMBER OF UNSUCCESSFUL WELLS, WELL HYDROFRACTURED (Y), CIRCLE APPROPRIATE LETTER (A, E, P), I HEREBY CERTIFY THAT THIS WELL HAS BEEN CONSTRUCTED IN ACCORDANCE WITH COMAR 26.04.04 "WELL CONSTRUCTION", DRILLERS LIC. NO. M SD 009, DRILLERS SIGNATURE, LIC. NO. M D, SITE SUPERVISOR (sign of driller or journeyman responsible for sitework if different from permittee).

NO survey stakes

B 1	3299	SEQUENCE NO. (MDE USE ONLY)	STATE OF MARYLAND PERMIT TO DRILL WELL	STATE PERMIT NUMBER HO-94-3096
1 2 3 6			W515035 please print or type	70 fill in this form completely 79

Date Received (APA) _____

OWNER INFORMATION

8 MM OD YY 13

Rachuba Home Builders

15 Last Name Owner First Name 34

946-A Marimich Ct.

36 Street or RFD 55

Eldersburg Md. 21784

57 Town 70 State 72 Zip 76

LOCATION OF WELL

B 3 Howard

8 COUNTY 21

Vineyards Cattail Creek

23 SUBDIVISION 42

SECTION _____ LOT 7

44 46 48 50

Blenwood

52 NEAREST TOWN 71

MILES FROM TOWN (enter 0 if in town) 3 M I I

73 76 77 78

DRILLER INFORMATION

Allen Compton M S D 009

Driller's Name 76 License No. 81

Fogles Well Drilling

Firm Name

580 Obrecht rd. Sykesville

Address

Allen Compt 4-11-01

Signature Date

B 4

1 2

DIRECTION OF WELL FROM TOWN (CIRCLE BOX)

ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX)

Cattail Creek DR.

11 NEAR WHAT ROAD 30

ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX)

34 400 37

DISTANCE FROM ROAD FT

ENTER FT OR MI 38 39

TAX MAP: 21 BLK: 8 PARCEL 225

B 2

WELL INFORMATION

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

8 12

AVERAGE DAILY QUANTITY NEEDED (GAL. PER DAY) 500

14 20

USE FOR WATER (CIRCLE APPROPRIATE BOX)

DOMESTIC POTABLE SUPPLY & RESIDENTIAL IRRIGATION

FARMING, LIVESTOCK WATERING & AGRICULTURAL IRRIGATION

22 INDUSTRIAL, COMMERCIAL, DEWATERING

PUBLIC WATER SUPPLY WELL

TEST, OBSERVATION, MONITORING

GEO-THERMAL

NOT TO BE FILLED IN BY DRILLER HEALTH DEPARTMENT APPROVAL

Howard (13) A58225 NN

COUNTY NAME COUNTY NO.

STATE SIGNATURE _____ INSERT S _____ 41

DATE ISSUED 5/1/2001 Brian Baker 5/1/2002

43 MM DD YY 48 CO SIGNATURE EXP. DATE

NORTH GRID 523 0 0 0 EAST GRID 787 0 0 0

50 55 57 63

APPROXIMATE DEPTH OF WELL 300 FEET

24 28

APPROXIMATE DIAMETER OF WELL 6 INCH

NEAREST

SHOW MAJOR FEATURES OF BOX & LOCATE WELL WITH AN X

SOURCES OF DRILLING WATER

1. 5/24/01 Grout 9am
2. GROUT X
3. LOC, YAG

WRITE THE BOX NUMBER FROM THE MAP HERE

E 7807

N 5203

000 000

METHOD OF DRILLING (circle one)

BORED (or Augered) JETTED Jetted & DRIVEN

39 AIR-ROTary AIR-PERCussion ROTARY (Hydraulic Rotary)

37 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

39 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)

APPROP. PERMIT NUMBER HO L925G020

PERMIT No. HO-94-3096

70 71 72 73 74 75 76 77 78 79

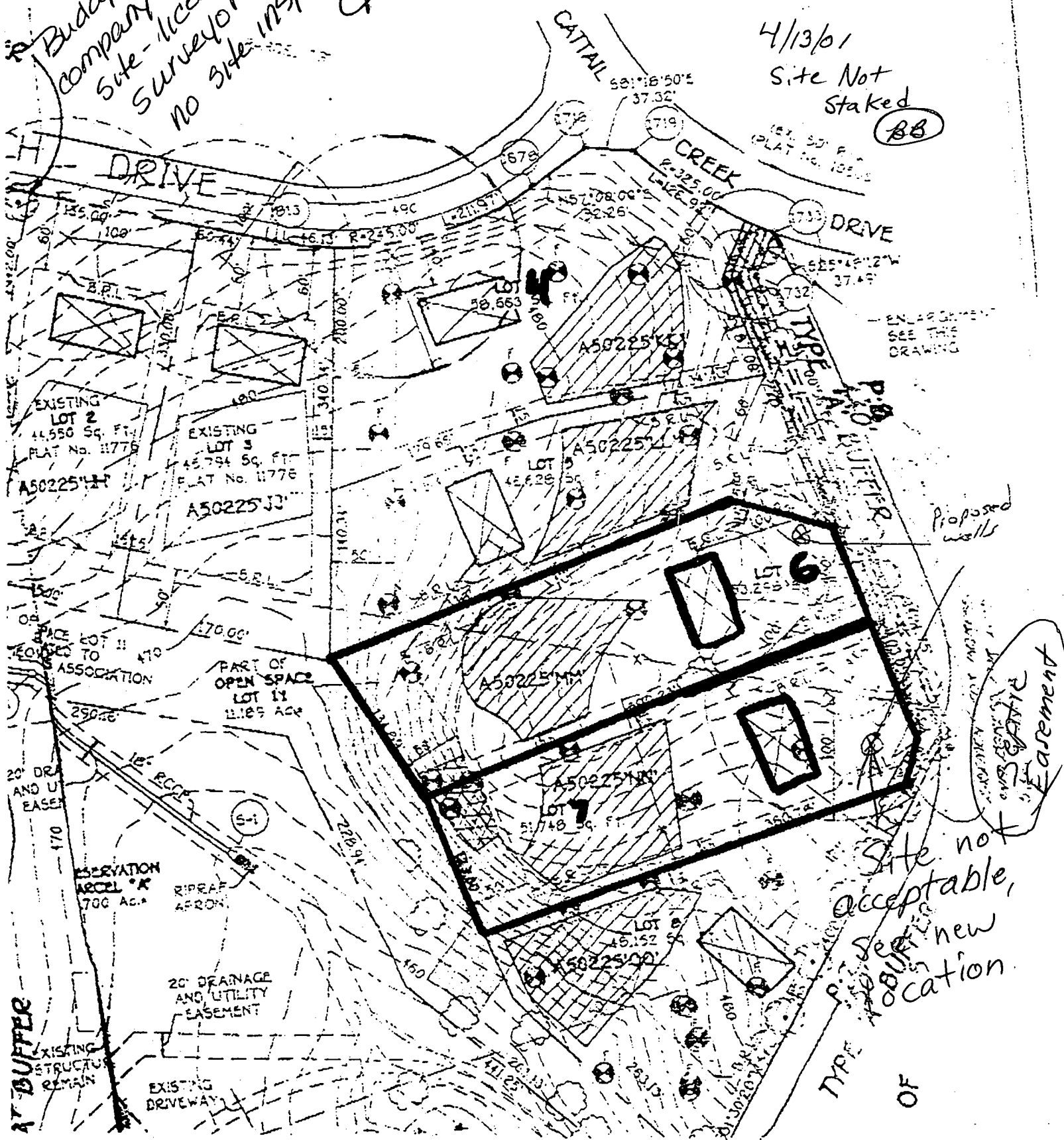
SPECIAL CONDITIONS

NOTE: APPROVING AUTHORITIES SHOULD USE SEPARATE SHEET IF NEEDED.

© COUNTY

4/27/01
 Buddy Crocker's
 company stated well
 site-licensed
 Surveyor on staff
 no site-INSP needed
[Signature]

4/13/01
 Site Not
 Staked
 BB



SEE THIS DRAWING

Proposed walls

Septic Easement

Site not acceptable,
 see new location
 TYPE OF

CATTAIL CREEK COUNTRY CLUB
SECTION 2
PLAT No. 11050
RC-DEO

PARCEL "B"

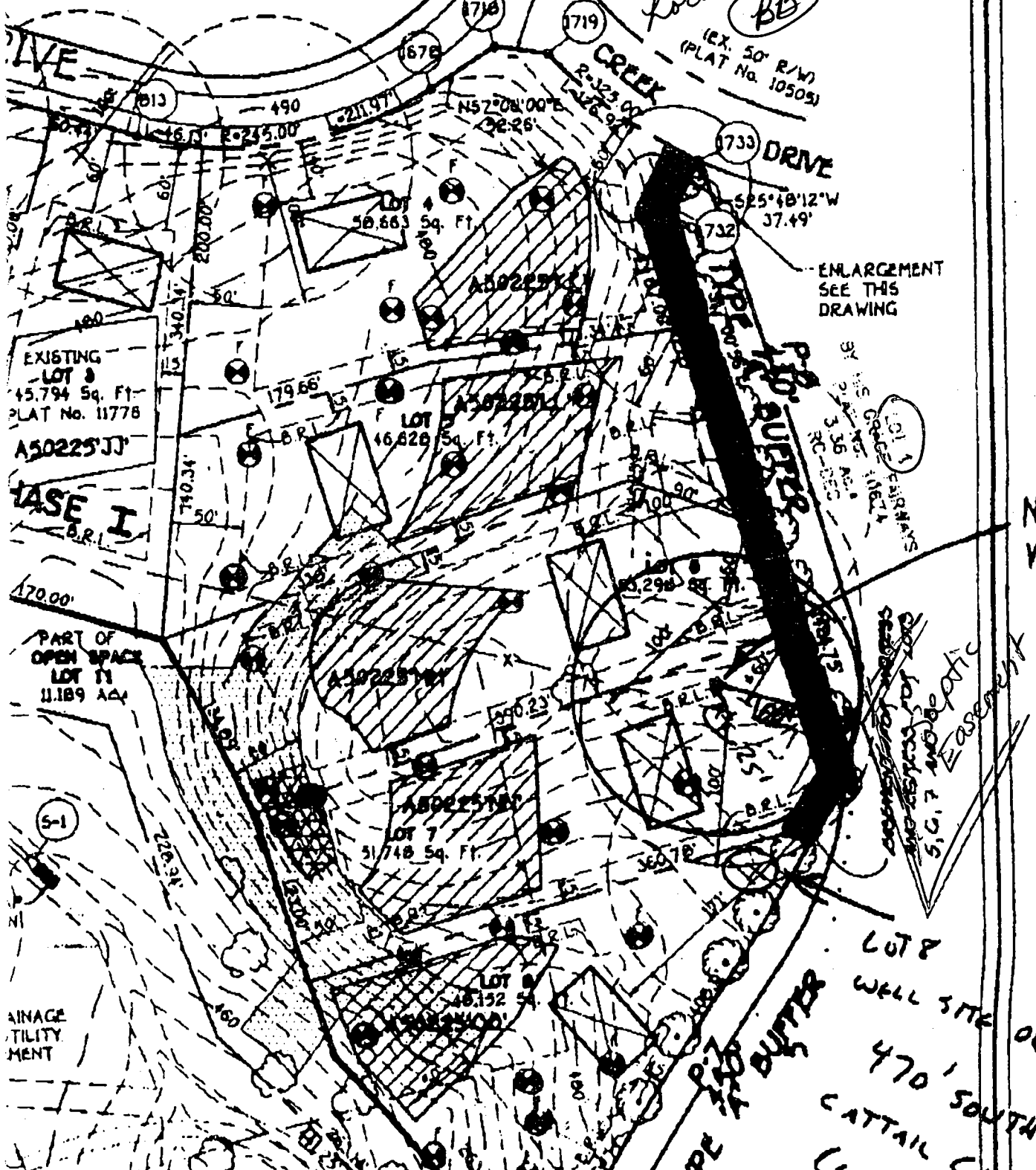
5/2/01
Received from Bud Crocker. Well site to be moved to maintain 100' distance from easements. To be staked by surveyor. Location OK.

NAD '83

RECEIVED

OCT 15 1996

HOWARD COUNTY HEALTH DEPARTMENT
BUREAU OF ENVIRONMENTAL HEALTH



(EX. 50' R/W)
(PLAT No. 10505)

BB

ENLARGEMENT
SEE THIS
DRAWING

NEW
WELL
LOCATION
Lot #7

LOT 8
WELL SITE OK
470' SOUTH OF
CATTAIL CR

EXISTING
LOT 9
45,794 Sq. Ft.
PLAT No. 11778
A50225JJ

BASE I

PART OF
OPEN SPACE
LOT 11
11,189 A.C.

AINAGE
ILITY
MENT

APPLICATION

PERCOLATION TESTING

A 58225 NN

P _____

HOWARD COUNTY HEALTH DEPARTMENT
BUREAU OF ENVIRONMENTAL HEALTH
3525-H ELLICOTT MILLS DRIVE/ELLICOTT CITY, MARYLAND 21043
TELEPHONE: 313-2640

DISTRICT _____

DATE _____

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 Mario Mannarelli

ADDRESS C/O Land Design - Development
12805 Highway Ridge Rd PHONE 740-2100

AGENT OR PROSPECTIVE BUYER Maria Reich

ADDRESS _____ PHONE _____

PROPERTY LOCATION:

SUBDIVISION Vineyards at Cattail Creek LOT NO. 397

ROAD AND DESCRIPTION Route 97

TAX MAP 21 PARCEL # 2,132,220 + 211

SIZE OF LOT 1 + acres 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.

Myal Reich
(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. # SP 96-11 DATE _____

SITE DEVELOPMENT PLAN/FINAL PLAT - TITLE OR I.D. # F 96- DATE _____

THIS IS NOT A PERMIT

No A#

A50225NN

COUNTY #

LOT 34

SOIL PROFILE

Holes (1)

0' to 1'

1 to

Bottom

Hole (2)

0' to 1'

1 to

Bottom

Hole (3)

0' to 1'

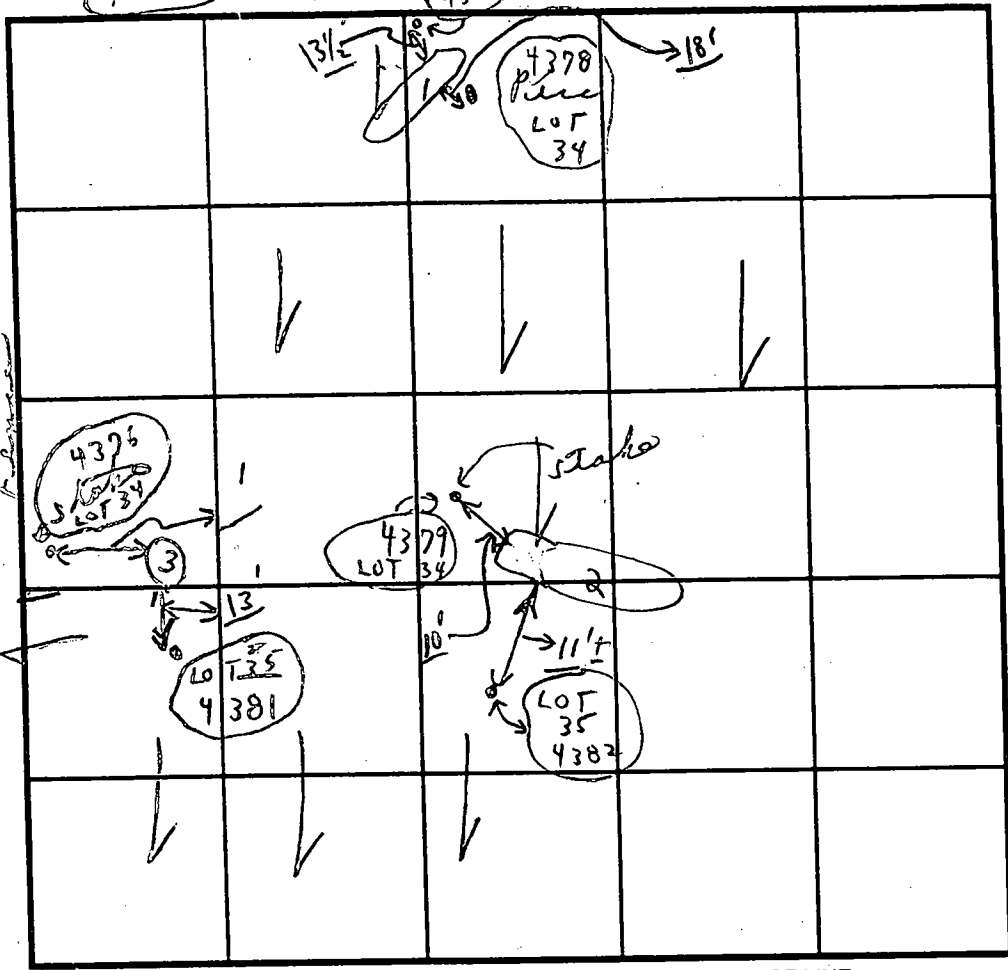
1 to

Bottom

Now 36

Tree # 4375

37 Now



SOIL PROFILE

Hole (4)

0' to 1'

1 to

INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
9/20/94	① #4375	1'	i	i	i	i	
	#4378	1'			see LOT 33		
	②	5'	10:58	11:00	11:00	11:04	4m
	4379 #4382	11'-5"			LOAM - GOOD		
	③	5'	11:01	11:03	11:03	11:06	2m+
	#4381	11'			LOAM ok		
	④	1'	i	i	i	i	
	#	1'					

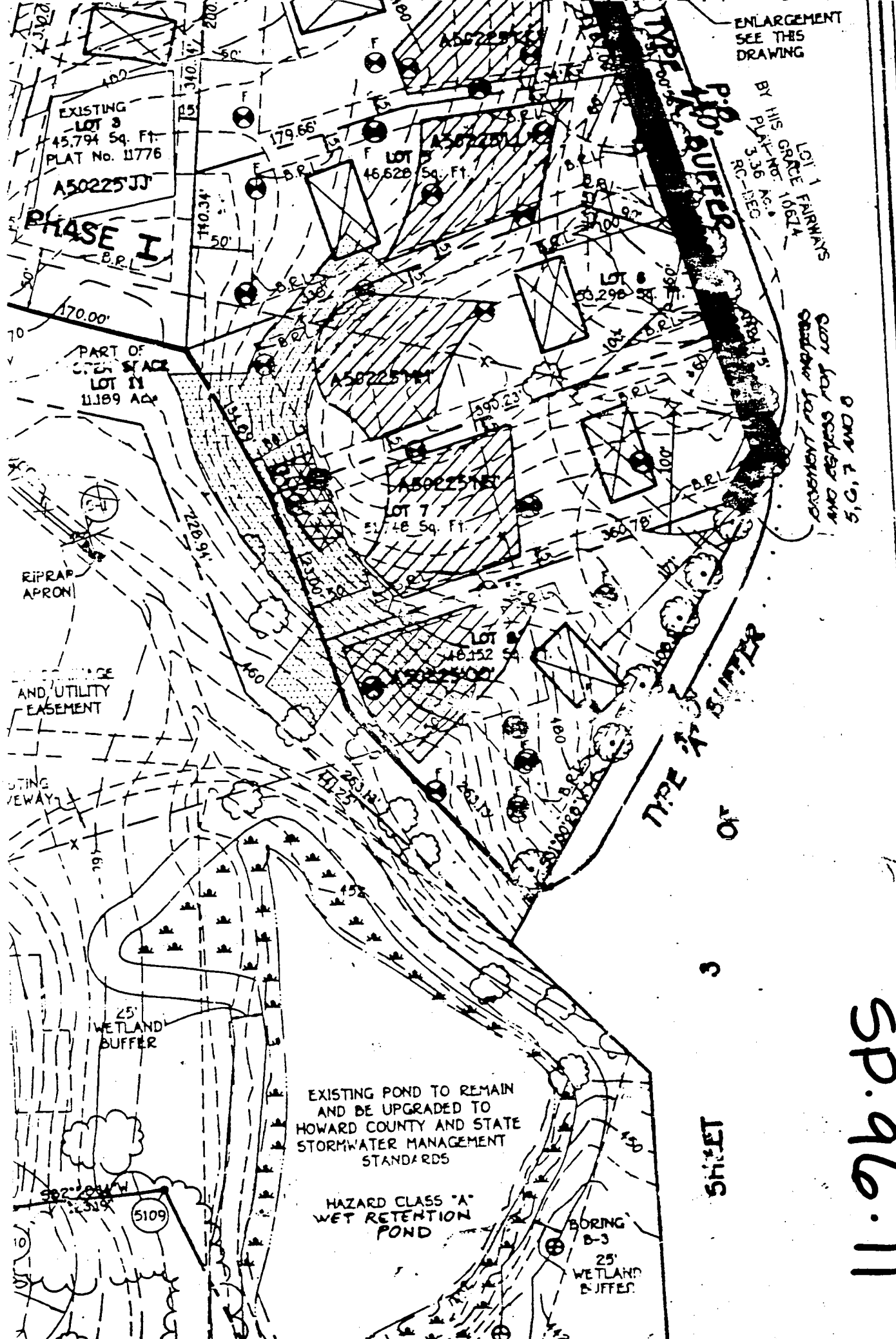
REMARKS 2/20 Tests in open; tests per state

TYPE OF SOIL Loam or above

TESTED BY C. Bell ALSO PRESENT {Mush. R.}

TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME TRENCH WIDTH

INLET DEPTH MAXIMUM BOTTOM DEPTH SQ. FT/BEDROOM



ENLARGEMENT
SEE THIS
DRAWING

BY HIS GRACE
LOUIE FAIRMANS
PLAT No. 10674
RC-1163

SEE LOT 10 FOR
ORDER FOR LANDSCAPE
5, 6, 7 AND 8

TYPE A BUFFER
OF

SHEET 3

SP. 96.11

EXISTING POND TO REMAIN
AND BE UPGRADED TO
HOWARD COUNTY AND STATE
STORMWATER MANAGEMENT
STANDARDS

HAZARD CLASS "A"
WET RETENTION
POND

BORING
B-3
25'
WETLAND
BUFFER

25'
WETLAND
BUFFER

5109

EXISTING
LOT 3
45,794 Sq. Ft.
PLAT No. 11776
A50225JJ

PHASE I
B.P.L.

PART OF
OPEN SPACE
LOT 11
11,189 AD

RIPRAP
APRON

SPACE
AND UTILITY
EASEMENT

EXISTING
ALLEYWAY

25'
WETLAND
BUFFER

5109

EXISTING POND TO REMAIN
AND BE UPGRADED TO
HOWARD COUNTY AND STATE
STORMWATER MANAGEMENT
STANDARDS

HAZARD CLASS "A"
WET RETENTION
POND

BORING
B-3
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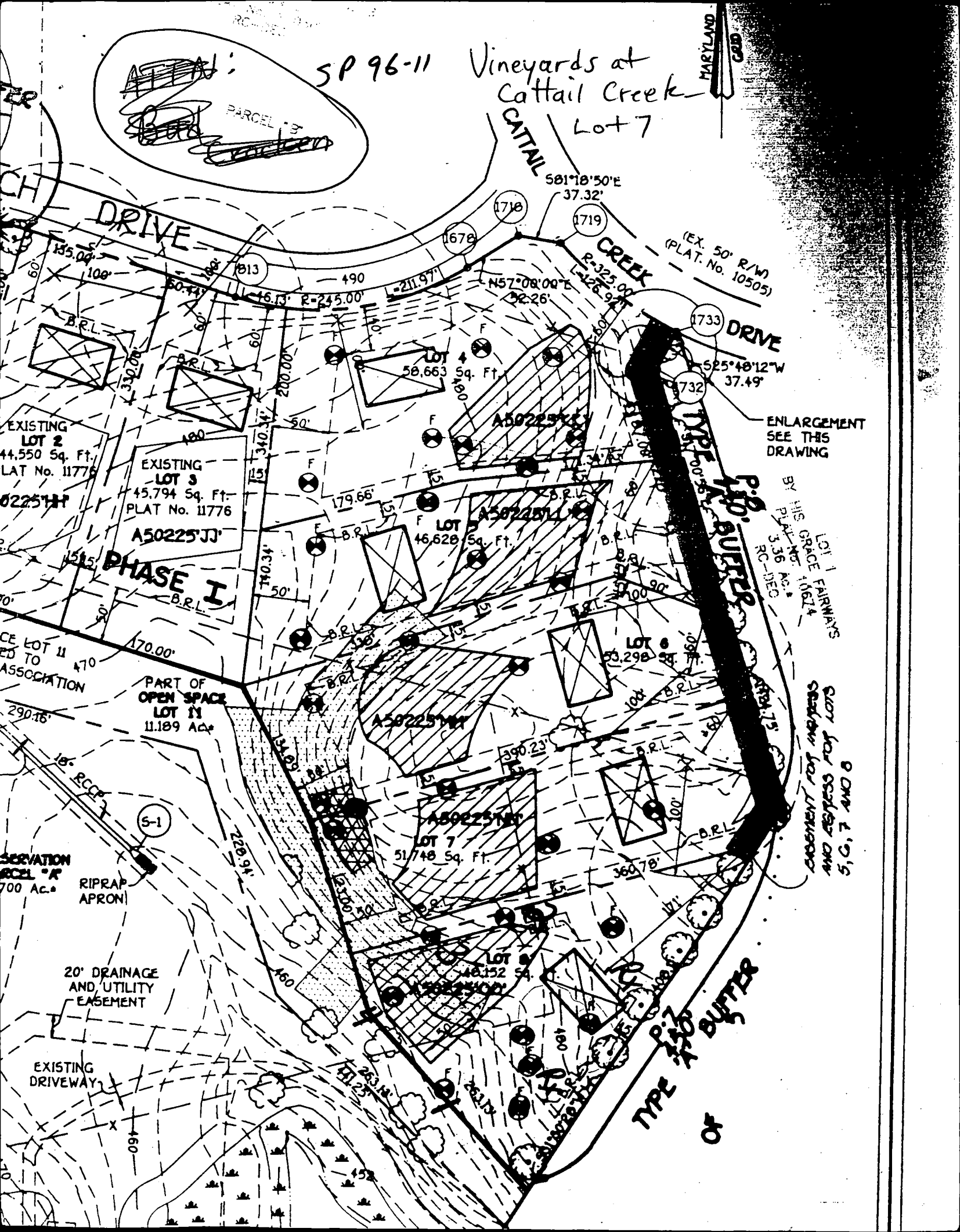
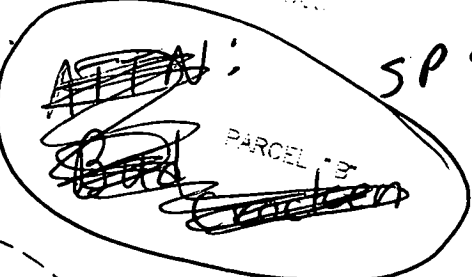
TYPE A BUFFER
OF

SHEET 3

SP. 96.11

SP 96-11 Vineyards at Cattail Creek Lot 7

MARYLAND
GRID



ENLARGEMENT
SEE THIS
DRAWING

BY HIS GRACE
PLAT No. 10614
S-36 AC
RC-100C

LOT 1 FAIRWAYS
SEE THIS DRAWING FOR MEASUREMENTS
AND DISTANCES

TYPE P.I.D. BUTTER
OF

RESERVATION
PARCEL "A"
700 AC.

RIPRAP
APRON

20' DRAINAGE
AND UTILITY
EASEMENT

EXISTING
DRIVEWAY

FILE INQUIRY FORM

Property Address: _____

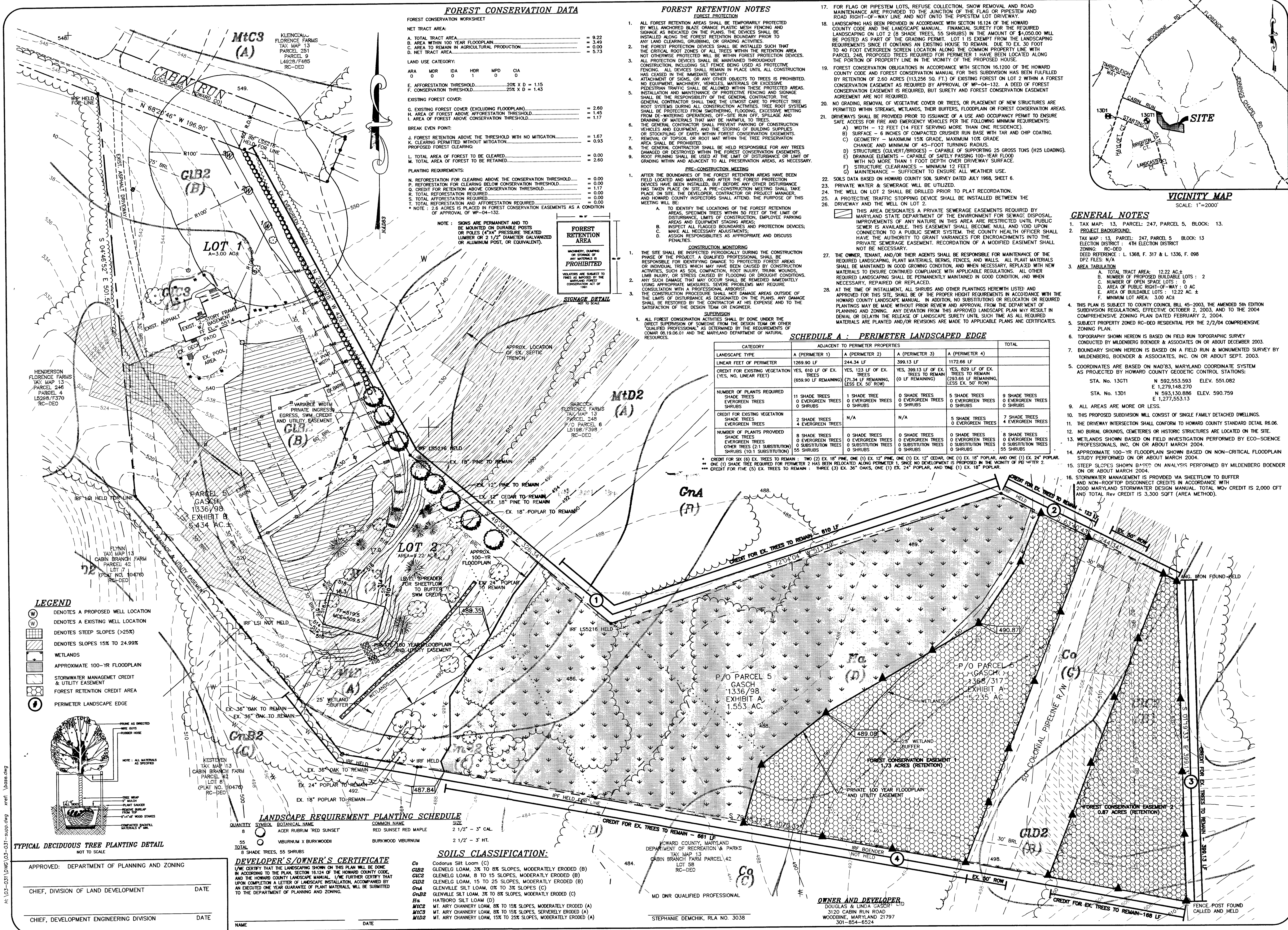
Brown Cl loam	15"
Red/Brown Sandy loam	1'8"
Weak Red Brown slightly micaceous Sandy clay loam	3'2"
Red/Brown med-fine sand	3'8"
Red/Brown/gray micaceous silt loam w/ cobbly Rock	4'
strong org brn yellow brn dk brn	
Sand w pebbles	a few pieces per handful
DK brn SAND MED Angular pebbles	4'3"-4'6"
	0% ~ 35-45% in a handful
strong yellow brn org brn	5'
Fine sand pebbles ~ 20%	
bluish grey - parent material strong yellow	
strong org fine sand + 2% parent material med gr	5'1"
Rock	5'2"

FILE INQUIRY FORM

Property Address: 3559 Cattail Creek Dr.

~~1/27/04~~ ^{1/27/04} - Discussion w/ builder to
take SDA to determine system design
due to poor test notes. Builder will call
H.D. to verify soils prior to building permit
sign-off. *J*

Lined area for additional notes or signatures.



FOREST CONSERVATION DATA

FOREST CONSERVATION WORKSHEET

NET TRACT AREA: = 9.22

A. TOTAL TRACT AREA: = 9.22

B. AREA WITHIN 100 YEAR FLOODPLAIN: = 3.49

C. AREA TO REMAIN IN AGRICULTURAL PRODUCTION: = 0.00

D. NET TRACT AREA: = 5.73

LAND USE CATEGORY:

ARA MDR IDA IDR MPD CIA

E. AFForestation THRESHOLD: 20% X D = 1.15

F. CONSERVATION THRESHOLD: 25% X D = 1.43

EXISTING FOREST COVER:

G. EXISTING FOREST COVER (EXCLUDING FLOODPLAIN): = 2.60

H. AREA OF FOREST ABOVE AFForestation THRESHOLD: = 1.45

I. AREA OF FOREST ABOVE CONSERVATION THRESHOLD: = 1.17

BREAK EVEN POINT:

J. FOREST RETENTION ABOVE THE THRESHOLD WITH NO MITIGATION: = 1.67

K. CLEARING PERMITTED WITHOUT MITIGATION: = 0.93

PROPOSED FOREST CLEARING:

L. TOTAL AREA OF FOREST TO BE CLEARED: = 0.00

M. TOTAL AREA OF FOREST TO BE RETAINED: = 2.60

PLANTING REQUIREMENTS:

N. REFORESTATION FOR CLEARING ABOVE THE CONSERVATION THRESHOLD: = 0.00

O. REFORESTATION FOR CLEARING BELOW CONSERVATION THRESHOLD: = 0.00

P. CREDIT FOR RETENTION ABOVE CONSERVATION THRESHOLD: = 1.17

Q. TOTAL REFORESTATION REQUIRED: = 0.00

R. TOTAL AFForestation REQUIRED: = 0.00

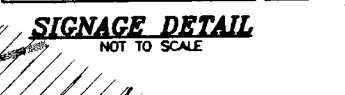
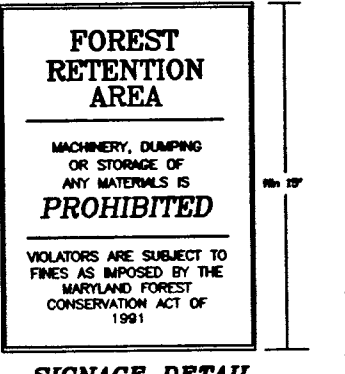
S. TOTAL REFORESTATION AND AFForestation REQUIRED: = 0.00

T. TOTAL AFForestation AND REFORESTATION REQUIRED: = 0.00

* NOTE: 2.6 ACRES IS PLACED IN FOREST CONSERVATION EASEMENTS AS A CONDITION OF APPROVAL OF WP-04-132.

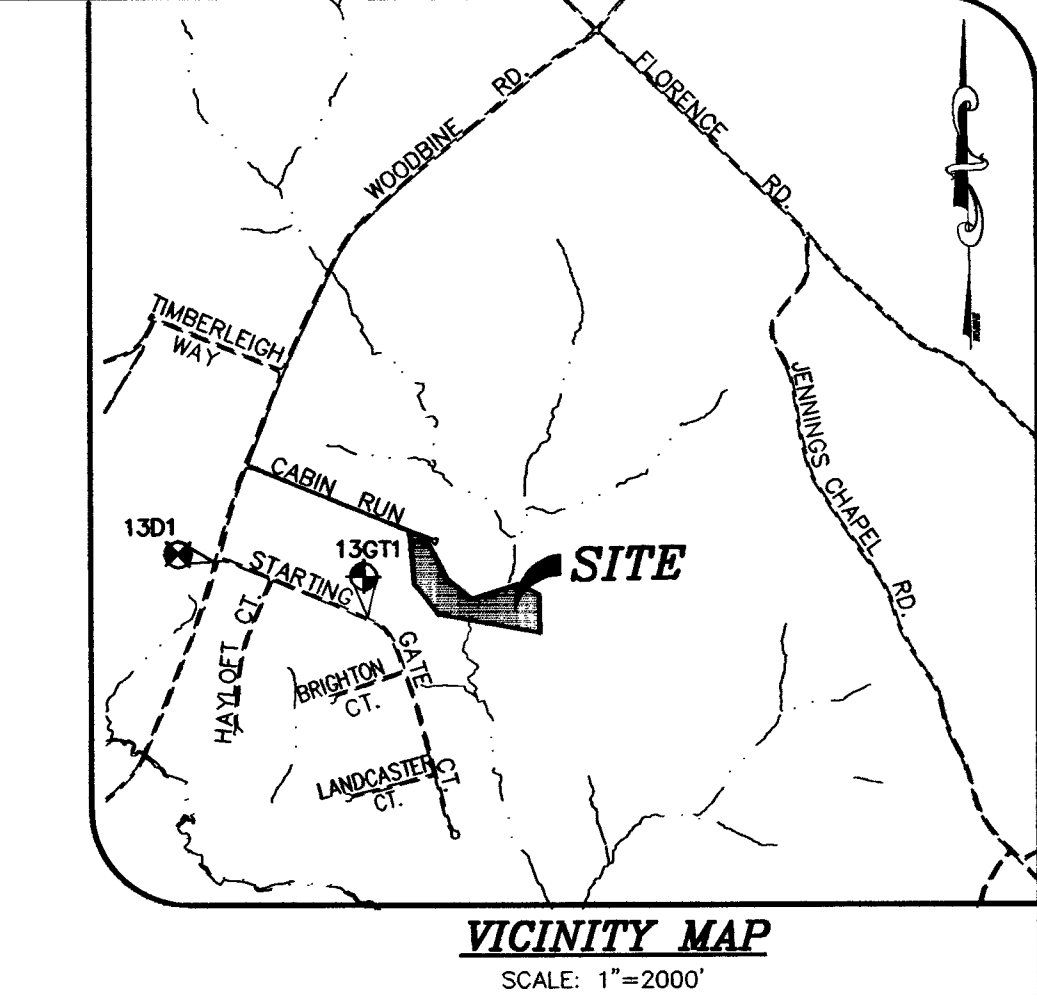
FOREST RETENTION NOTES

- FOREST RETENTION**
- ALL FOREST RETENTION AREAS SHALL BE TEMPORARILY PROTECTED BY WELL ANCHORED FLAG ORANGE PLASTIC MESH FENCING AND SIGNAGE AS INDICATED ON THE PLANS. THE DEVICES SHALL BE INSTALLED ALONG THE FOREST RETENTION PERIMETER PRIOR TO ANY LAND CLEARING, GRUBBING, OR GRADING ACTIVITIES.
 - THE FOREST PROTECTION DEVICES SHALL BE INSTALLED SUCH THAT THE FOREST PROTECTION ZONES OF ALL TREES WITHIN THE RETENTION AREA NOT OTHERWISE PROTECTED WILL BE WITHIN FOREST PROTECTION DEVICES.
 - ALL PROTECTION DEVICES SHALL BE MAINTAINED THROUGHOUT CONSTRUCTION, INCLUDING SALT FENCE BEING USED AS PROTECTIVE FENCING. ALL DEVICES SHALL REMAIN IN PLACE UNTIL ALL CONSTRUCTION HAS CEASED IN THE MAINTENANCE OF THE GENERAL CONTRACTOR. THE GENERAL CONTRACTOR SHALL TAKE THE UTMOST CARE TO PROTECT TREE ROOT SYSTEMS DURING ALL CONSTRUCTION ACTIVITIES. TREE ROOT SYSTEMS SHALL BE PROTECTED FROM SMOTHERING, FLOODING, EXCESSIVE WETTING FROM DE-WATERING OPERATIONS, OFF-SITE RUN OFF, SPILLAGE AND DRINKING OF MATERIALS THAT MAY HAVE BEEN CAUSED BY CONSTRUCTION ACTIVITIES AND EQUIPMENT, AND THE STORING OF BUILDING SUPPLIES OR STOCKPILING OF EARTH WITHIN FOREST CONSERVATION EASEMENTS.
 - REMOVAL OF TOPSOIL OR ROOT MAT WITHIN THE TREE PRESERVATION AREA SHALL BE PROHIBITED.
 - THE GENERAL CONTRACTOR SHALL BE HELD RESPONSIBLE FOR ANY TREES DAMAGED OR DESTROYED WITHIN THE FOREST CONSERVATION EASEMENTS. ROOT PRUNING SHALL BE USED AT THE LIMIT OF DISTURBANCE OR LIMIT OF GRADING WITHIN AND ADJACENT TO ALL PRESERVATION AREAS, AS NECESSARY.
- PRE-CONSTRUCTION MEETING**
- AFTER THE BOUNDARIES OF THE FOREST RETENTION AREAS HAVE BEEN FIELD LOCATED AND MARKED, AND AFTER THE FOREST PROTECTION DEVICES HAVE BEEN INSTALLED, BUT BEFORE ANY OTHER DISTURBANCE HAS TAKEN PLACE ON SITE, A PRE-CONSTRUCTION MEETING SHALL TAKE PLACE ON SITE. THE DEVELOPER, CONTRACTOR OR PROJECT MANAGER, AND HOWARD COUNTY INSPECTORS SHALL ATTEND. THE PURPOSE OF THIS MEETING WILL BE:
 - TO IDENTIFY THE LOCATIONS OF THE FOREST RETENTION AREAS, SPECIFIC TREES WITHIN 50 FEET OF THE LIMIT OF DISTURBANCE, LIMITS OF CONSTRUCTION, EMPLOYEE PARKING AREAS AND EQUIPMENT STAGING AREAS;
 - INSPECT ALL FLAGGING AND PROTECTION DEVICES;
 - MAKE ALL NECESSARY ADJUSTMENTS;
 - ASSIGN RESPONSIBILITIES AS APPROPRIATE AND DISCUSS PENALTIES.
 - CONSTRUCTION MONITORING
 - THE SITE SHALL BE INSPECTED PERIODICALLY DURING THE CONSTRUCTION PHASE OF THE PROJECT. A QUALIFIED PROFESSIONAL SHALL BE RESPONSIBLE FOR IDENTIFYING DAMAGE TO PROTECTED FOREST AREAS OR INDIVIDUAL TREES WHICH MAY HAVE BEEN CAUSED BY CONSTRUCTION ACTIVITIES, SUCH AS SOIL COMPACTION, ROOT INJURY, TRUNK WOUNDS, LIMB INJURY, OR STRESS CAUSED BY FLOODING OR DROUGHT CONDITIONS. ANY SUCH DAMAGE THAT MAY OCCUR SHALL BE REMEDIATED IMMEDIATELY USING APPROPRIATE MEASURES. SEVERE PROBLEMS MAY REQUIRE CONSULTATION WITH A PROFESSIONAL ARBORIST.
 - THE CONSTRUCTION PROCEDURE SHALL NOT DAMAGE AREAS OUTSIDE OF THE LIMITS OF DISTURBANCE AS DESIGNATED ON THE PLANS. ANY DAMAGE SHALL BE RESTORED BY THE CONTRACTOR AT HIS EXPENSE AND TO THE SATISFACTION OF THE DESIGN TEAM OR ENGINEER.
- SUPERVISION**
- ALL FOREST CONSERVATION ACTIVITIES SHALL BE DONE UNDER THE DIRECT SUPERVISION OF SOMEONE FROM THE DESIGN TEAM OR OTHER QUALIFIED PROFESSIONALS, AS DETERMINED BY THE REQUIREMENTS OF COMAR 08.18.06.01 AND THE MATERIALS OF NATURAL RESOURCES.



SCHEDULE A: PERIMETER LANDSCAPED EDGE

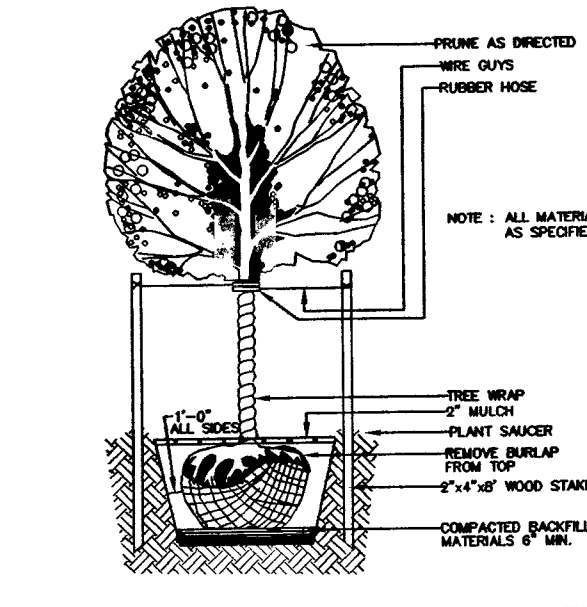
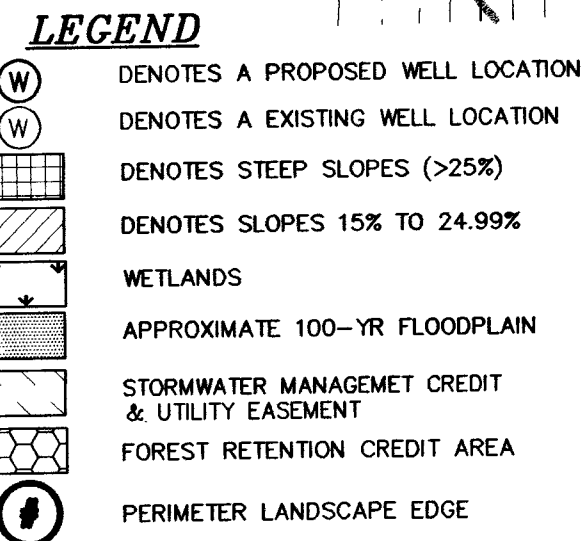
CATEGORY	ADJACENT TO PERIMETER PROPERTIES				TOTAL
	A (PERIMETER 1)	A (PERIMETER 2)	A (PERIMETER 3)	A (PERIMETER 4)	
LANDSCAPE TYPE	LINEAR FEET OF PERIMETER	LINEAR FEET OF PERIMETER	LINEAR FEET OF PERIMETER	LINEAR FEET OF PERIMETER	
CREDIT FOR EXISTING VEGETATION (YES, NO, LINEAR FEET)	YES, 610 LF OF EX. TREES (655.90 LF REMAINING)	YES, 123 LF OF EX. TREES (71.34 LF REMAINING)	YES, 399.13 LF OF EX. TREES TO REMAIN (0 LF REMAINING)	YES, 829 LF OF EX. TREES TO REMAIN (293.66 LF REMAINING, LESS EX. 50' ROW)	
NUMBER OF PLANTS REQUIRED	11 SHADE TREES 0 EVERGREEN TREES 0 SHRUBS	1 SHADE TREE 0 EVERGREEN TREES 0 SHRUBS	0 SHADE TREES 0 EVERGREEN TREES 0 SHRUBS	5 SHADE TREES 0 EVERGREEN TREES 0 SHRUBS	9 SHADE TREES 0 EVERGREEN TREES 0 SHRUBS
CREDIT FOR EXISTING VEGETATION	2 SHADE TREES 4 EVERGREEN TREES	N/A	N/A	5 SHADE TREES 0 EVERGREEN TREES	7 SHADE TREES 4 EVERGREEN TREES
NUMBER OF PLANTS PROVIDED	8 SHADE TREES 0 EVERGREEN TREES 0 SUBSTITUTION TREES 55 SHRUBS (10:1 SUBSTITUTION)	0 SHADE TREES 0 EVERGREEN TREES 0 SUBSTITUTION TREES 0 SHRUBS	0 SHADE TREES 0 EVERGREEN TREES 0 SUBSTITUTION TREES 0 SHRUBS	0 SHADE TREES 0 EVERGREEN TREES 0 SUBSTITUTION TREES 0 SHRUBS	8 SHADE TREES 0 EVERGREEN TREES 0 SUBSTITUTION TREES 0 SHRUBS
CREDIT FOR SIX (6) EX. TREES TO REMAIN TWO (2) EX. 18" PINE, ONE (1) EX. 12" PINE, ONE (1) EX. 12" CEDAR, ONE (1) EX. 18" POPLAR, AND ONE (1) EX. 24" POPLAR.	CREDIT FOR FIVE (5) EX. TREES TO REMAIN: THREE (3) EX. 36" OAKS, ONE (1) EX. 24" POPLAR, AND ONE (1) EX. 18" POPLAR.	CREDIT FOR ONE (1) SHADE TREE REQUIRED FOR PERIMETER 2 HAS BEEN RELOCATED ALONG PERIMETER 1, SINCE NO DEVELOPMENT IS PROPOSED IN THE MIDDLE OF PD AFTER 2.	CREDIT FOR FIVE (5) EX. TREES TO REMAIN: THREE (3) EX. 36" OAKS, ONE (1) EX. 24" POPLAR, AND ONE (1) EX. 18" POPLAR.		



GENERAL NOTES

- TAX MAP: 13, PARCEL: 247, PARCEL 5, BLOCK: 13.
- PROJECT BACKGROUND: TAX MAP: 13, PARCEL: 247, PARCEL 5, BLOCK: 13 ELECTION DISTRICT: 4TH ELECTION DISTRICT ZONING: RC-DEO DEED REFERENCE: L 1368, F. 317 & L 1336, F. 098 DPZ FILES: N/A
- AREA TABULATION:
 - TOTAL TRACT AREA: 12.22 AC ±
 - NUMBER OF PROPOSED BUILDABLE LOTS: 2
 - NUMBER OF OPEN SPACE LOTS: 0
 - AREA OF PUBLIC RIGHT-OF-WAY: 0 AC
 - AREA OF BUILDABLE LOTS: 12.22 AC ±
 - MINIMUM LOT AREA: 3.00 AC ±
- THIS PLAN IS SUBJECT TO COUNTY COUNCIL BILL 45-2003, THE AMENDED 5th EDITION SUBDIVISION REGULATIONS, EFFECTIVE OCTOBER 2, 2003, AND TO THE 2004 COMPREHENSIVE ZONING PLAN DATED FEBRUARY 2, 2004.
- SUBJECT PROPERTY ZONED RC-DEO RESIDENTIAL PER THE 2/2/04 COMPREHENSIVE ZONING PLAN.
- TOPOGRAPHY SHOWN HEREON IS BASED ON FIELD RGN TOPOGRAPHIC SURVEY CONDUCTED BY MILDBERG BOENDER & ASSOCIATES ON OR ABOUT DECEMBER 2003.
- BOUNDARY SHOWN HEREON IS BASED ON A FIELD RGN & MONUMENTED SURVEY BY MILDBERG BOENDER & ASSOCIATES, INC. ON OR ABOUT SEPT. 2003.
- COORDINATES ARE BASED ON HAN/83, MARYLAND COORDINATE SYSTEM AS PROJECTED BY HOWARD COUNTY GEODETIC CONTROL STATIONS:

STA. No. 13G71	N 592,553.593	ELEV. 551.082
	E 1,279,148.270	
STA. No. 1301	N 593,130.886	ELEV. 590.759
	E 1,277,553.113	
- ALL AREAS ARE MORE OR LESS.
- THIS PROPOSED SUBDIVISION WILL CONSIST OF SINGLE FAMILY DETACHED DWELLINGS.
- THE DRIVEWAY INTERSECTION SHALL CONFORM TO HOWARD COUNTY STANDARD DETAIL R6.06.
- NO BURIAL GROUNDS, CEMETERIES OR HISTORIC STRUCTURES ARE LOCATED ON THE SITE.
- WETLANDS SHOWN BASED ON FIELD INVESTIGATION PERFORMED BY ECO-SCIENCE PROFESSIONALS, INC. ON OR ABOUT MARCH 2004.
- APPROXIMATE 100-YR FLOODPLAIN SHOWN BASED ON NON-CRITICAL FLOODPLAIN STUDY PERFORMED ON OR ABOUT MARCH 2004.
- STEEP SLOPES SHOWN BASED ON ANALYSIS PERFORMED BY MILDBERG BOENDER ON OR ABOUT MARCH 2004.
- STORMWATER MANAGEMENT IS PROVIDED VIA SHEETFLOW TO BUFFER AND NON-ROOFTOP DISCONNECT CREDITS IN ACCORDANCE WITH GOOD MARYLAND STORMWATER DESIGN MANUAL. TOTAL WOV CREDIT IS 2,000 CFT AND TOTAL REV CREDIT IS 3,300 SQFT (AREA METHOD).



LANDSCAPE REQUIREMENT PLANTING SCHEDULE

QUANTITY	SYMBOL	BOTANICAL NAME	COMMON NAME	SIZE
55	○	ACER RUBRUM 'RED SUNSET'	RED SUNSET RED MAPLE	2 1/2" - 3" CAL
10	○	VIBURNUM X BURKWOODII	BURKWOOD VIBURNUM	2 1/2" - 3" HT.
8	○	SHADE TREES, 55 SHRUBS		

DEVELOPER'S/OWNER'S CERTIFICATE

I/WE CERTIFY THAT THE LANDSCAPING SHOWN ON THIS PLAN WILL BE DONE IN ACCORDANCE TO THE PLAN, SECTION 16.124 OF THE HOWARD COUNTY CODE, AND THE HOWARD COUNTY LANDSCAPE MANUAL. I/WE FURTHER CERTIFY THAT UPON COMPLETION OF LANDSCAPE INSTALLATION, WE WILL BE SUBMITTED TO THE DEPARTMENT OF PLANNING AND ZONING.

NAME: _____ DATE: _____

SOILS CLASSIFICATION:

- G1 Codorus Silt Loam (C)
- G1B2 GLENELG LOAM, 3% TO 8% SLOPES, MODERATELY ERODED (B)
- G1C2 GLENELG LOAM, 8 TO 15 SLOPES, MODERATELY ERODED (B)
- G1D2 GLENELG LOAM, 15 TO 25 SLOPES, MODERATELY ERODED (B)
- G1A GLENVILLE SILT LOAM, 0% TO 3% SLOPES (C)
- G1B2 GLENVILLE SILT LOAM, 3% TO 8% SLOPES, MODERATELY ERODED (C)
- G1C2 HATBORO SILT LOAM (D)
- G1A WT. ARY CHANNERY LOAM, 8% TO 15% SLOPES, MODERATELY ERODED (A)
- M1C3 WT. ARY CHANNERY LOAM, 8% TO 15% SLOPES, SEVERELY ERODED (A)
- M1D2 WT. ARY CHANNERY LOAM, 15% TO 25% SLOPES, MODERATELY ERODED (A)

HOWARD COUNTY, MARYLAND
DEPARTMENT OF RECREATION & PARKS
CABIN BRANCH FARM PARCEL 42
LOT 5B
RC-DEO

MD DNR QUALIFIED PROFESSIONAL

STEPHANIE DEMCHIK, RLA NO. 3038

OWNER AND DEVELOPER:
DOUGLAS & LINDA GASCH LTD
3120 CABIN RUN ROAD
WOODBINE, MARYLAND 21797
301-854-6524

Project	date	APR 04
03-031	illustration	MAP
	scale	1"=60'
	revision	

Project	date	
03-031	illustration	MAP
	scale	1"=60'
	revision	

MILDENBERG, BOENDER & ASSOC., INC.
Engineers Planners Surveyors
5072 Dreyfus Hill Drive, Suite 202, Ellicott City, Maryland 21042
(410) 997-0236, (301) 621-5521, (410) 997-0238 Fax

FOURTH ELECTION DISTRICT
GASCH PROPERTY
TAX MAP 13 - GRID 13 - PARCEL 247 - PARCEL 5
SUPPLEMENTAL FOREST CONSERVATION & LANDSCAPE PLAN

**HOWARD COUNTY
 PERMIT APPLICATION**

PERMIT NUMBER

B00145244 / JAB

Building Address 3559 Canal Creek
Chaoson, MD 21738
 Suite/Apt. #: _____ SDP/WP/Petition #: _____
 Census Tract 604002 Subdivision _____
 Section _____ Area _____ Lot 7
 Tax Map 21 Parcel 220 Grid 8
 Zoning RC-100 Map Coordinates 8149 Lot size 1.170 AC.

Property Owner's Name James P. Ryan Jr
 Address 3331 Heavenly Cause Ct
 City Mr. Arney State MD Zip Code 21791
 Home Phone 301 829 2093 Work Phone 301 829 5097
 Applicant's Name & Mailing Address, (if other than stated hereon):
 Phone _____ Fax 301 829-9225

Existing Use _____
 Proposed Use _____
 Estimated Construction Cost \$ _____
 Description of Work Three (3) 15' x 15' concrete
28' x 28' concrete, 15' x 15' concrete, 15' x 15'
concrete

Contractor Company RYLAN HOMES INC
 Contact Person JAMES P RYAN JR
 Address P.O. Box 337
 City MR. ARNEY State MD Zip Code 21791
 License No. 12
 Phone 301-829-2099 Fax 301-829-5225

Occupant or Tenant _____
 Contact Name _____
 Address _____
 City _____ State _____ Zip Code _____
 Phone _____ Fax _____

Engineer or Architect Company DLW T&A INC
 Contact Person DLW
 Address _____
 City _____ State _____ Zip Code _____
 Phone _____ Fax _____

BUILDING DESCRIPTION - COMMERCIAL

BUILDING DESCRIPTION - RESIDENTIAL

Building Characteristics	Utilities
Height: _____	Water Supply: <input type="checkbox"/> Public <input type="checkbox"/> Private
No. of stories: _____	Sewage Disposal: <input type="checkbox"/> Public <input type="checkbox"/> Private
Gross area, sq. ft. per floor: _____	Electric Yes <input type="checkbox"/> No <input type="checkbox"/> Gas Yes <input type="checkbox"/> No <input type="checkbox"/>
Use group: _____	Heating System: Electric <input type="checkbox"/> Oil <input type="checkbox"/> Natural Gas <input type="checkbox"/> Propane Gas <input type="checkbox"/>
Construction type: <input type="checkbox"/> Reinforced Concrete <input type="checkbox"/> Structural Steel <input type="checkbox"/> Masonry <input type="checkbox"/> Wood Frame <input type="checkbox"/> State Certified Modular	Sprinkler system: <u>N/A</u> <input type="checkbox"/> <input type="checkbox"/> Full <input type="checkbox"/> Partial <input type="checkbox"/> Other Suppression # of Heads _____

Building Characteristics	Utilities
SF Dwelling <input checked="" type="checkbox"/> SF Townhouse <input type="checkbox"/> Depth _____ Width _____	Water Supply: <input type="checkbox"/> Public <input checked="" type="checkbox"/> Private
1st floor: _____	Sewage Disposal: <input type="checkbox"/> Public <input checked="" type="checkbox"/> Private
2nd floor: _____	Electric Yes <input type="checkbox"/> No <input type="checkbox"/> Gas Yes <input type="checkbox"/> No <input type="checkbox"/>
Basement: _____	Heating System: Electric <input checked="" type="checkbox"/> Oil <input type="checkbox"/> Natural Gas <input type="checkbox"/> Propane Gas <input checked="" type="checkbox"/>
Finished Basement <input type="checkbox"/> Unfinished Basement <input type="checkbox"/> Crawl space <input type="checkbox"/> Slab on Grade <input type="checkbox"/> No. of Bedrooms <u>2</u>	Sprinkler system: <u>N/A</u> <input checked="" type="checkbox"/> <input type="checkbox"/> NFPA #13D <input type="checkbox"/> NFPA #13R Other: _____
Multi-family dwellings: No. of efficiency units: _____ No. of 1 BR units: _____ No. of 2 BR units: _____ No. of 3 BR units: _____	_____
Other Structure: _____ Dimensions: _____ Footings: _____ Roof: _____	_____
_____ State Certified Modular _____ Manufactured Home	_____

THE UNDERSIGNED HEREBY CERTIFIES AND AGREES AS FOLLOWS: (1) THAT HE/SHE IS AUTHORIZED TO MAKE THIS APPLICATION, (2) THAT THE INFORMATION IS CORRECT, (3) THAT HE/SHE WILL COMPLY WITH ALL REGULATIONS OF HOWARD COUNTY WHICH ARE APPLICABLE THERE TO; (4) THAT HE/SHE WILL PERFORM NO WORK ON THE ABOVE REFERENCED PROPERTY NOT SPECIFICALLY DESCRIBED IN THIS APPLICATION, (5) THAT HE/SHE GRANTS COUNTY OFFICIALS THE RIGHT TO ENTER ONTO THIS PROPERTY FOR THE PURPOSE OF INSPECTING THE WORK PERMITTED AND POSTING NOTICES.

Applicant's Signature _____
 Title/Company _____

Print Name _____
 Date _____

Checks payable to: **DIRECTOR OF FINANCE OF HOWARD COUNTY**
 ** PLEASE WRITE NEATLY AND LEGIBLY **
 - FOR OFFICE USE ONLY -

AGENCY	DATE	SIGNATURE APPROVAL
<input checked="" type="checkbox"/> Land Development, DPZ		
<input checked="" type="checkbox"/> State Highways		
<input checked="" type="checkbox"/> Building Official		
<input checked="" type="checkbox"/> Dev. Engineering, DPZ		
<input checked="" type="checkbox"/> Health	<u>3/8/04</u>	<u>JH</u>
Fire Protection		
Is Sediment Control approval required prior to issuance?		
YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>		
CONTINGENCY CONSTRUCTION START: <input type="checkbox"/>		
ONE STOP SHOP: <input type="checkbox"/>		

DPZ SETBACK INFORMATION

Front: 61
 Rear: 30
 Side: 10
 Side St: _____

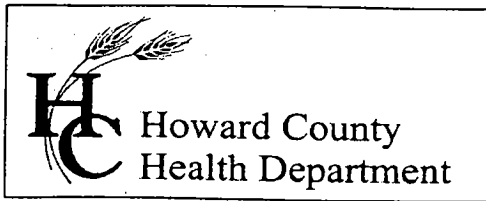
All minimum setbacks met? YES NO
 Is Entrance Permit required? YES NO
 Historic District? YES NO
 Lot Coverage for NewTown Zone: _____
 SDP/Red-line approval date: _____

PROPERTY ID# 60287

Filing fee \$ 2,000.00
 Permit fee \$ _____
 Excise tax \$ _____
 Add'l per. fee \$ _____
 TOTAL FEES \$ _____
 Sub-total paid \$ _____
 Balance due \$ _____
 Check # 5441
 Validation # 37249

Accepted by: _____

Distribution of Copies- White: Building Official Green: LDD, DPZ Yellow: DED, DPZ Pink: Health Gold: SHA



7178 Columbia Gateway Drive, Columbia MD 21046
(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

March 25, 2005

James P. Ryan, Jr.
3331 Heavenly Cause Court
Mt. Airy, MD 21771

SENT VIA FACSIMILE 301-829-8225

RE: Vineyards at Cattail Creek, Lot 7
3559 Cattail Creek Drive
Glenwood, MD 21738
BP # B00145244
Well Permit #HO-94-3096

Dear Sir:

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 03/10/2005. Final approval of the well line connection to the dwelling was approved on 03/10/2005.**

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-94-3096. 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 Samples: 02/07/2005
Date of Well Completion: 09/24/2001

Respectfully,

Brian Baker, R. S.
Well and Septic Program

BB/mlb

cc: Building Inspector's Office
Community Services Program
File