



APPLICATION

FOR PERCOLATION TESTING AND SITE EVALUATION

TEST DATE(S) _____ TEST TIME _____

AGENCY REVIEW: _____

AP 523394
DATE 9/28/05

04-348982

DO NOT WRITE ABOVE THIS LINE

I HEREBY APPLY FOR THE NECESSARY TESTING/EVALUATION PRIOR TO ISSUANCE OF SEWAGE DISPOSAL SYSTEM PERMIT(S) TO:

CHECK AS NEEDED:

- ☒ CONSTRUCT NEW SEPTIC SYSTEM(S)
☐ REPAIR/ADD TO AN EXISTING SEPTIC SYSTEM
☐ REPLACE AN EXISTING SEPTIC SYSTEM

CHECK AS NEEDED:

- ☒ NEW STRUCTURE(S)
☐ ADDITION TO AN EXISTING STRUCTURE
☐ REPLACE AN EXISTING STRUCTURE

CHECK ONE:

- ☒ CREATE NEW LOT(S)
☐ BUILD ON AN EXISTING LOT IN A SUBDIVISION
☐ BUILD ON AN EXISTING PARCEL OF RECORD

IS THE PROPERTY WITHIN 2500' OF ANY RESERVOIR?

- ☐ YES
☒ NO

THE TYPE OF STRUCTURE IS:

- ☒ RESIDENTIAL WITH UNKNOWN PROPOSED BEDROOMS IN THE COMPLETED STRUCTURE (NOTE **UNKNOWN** IF APPROPRIATE)
☐ COMMERCIAL (PROVIDE DETAIL OF NUMBERS AND TYPES OF EMPLOYEES/ CUSTOMERS ON ACCOMPANYING PLAN)
☐ INSTITUTIONAL/GOVERNMENT (PROVIDE DETAIL OF NUMBERS AND TYPES OF EMPLOYEES/USERS ON ACCOMPANYING PLAN)

PROPERTY OWNER(S) RICHARD NORD

DAYTIME PHONE _____ CELL _____ FAX _____

MAILING ADDRESS 1815 Boka Valley Court Woodbine MD 21797
STREET CITY/TOWN STATE ZIP

APPLICANT PAUL SIE

DAYTIME PHONE 410.750.2251 CELL _____ FAX 410.750.7350

MAILING ADDRESS 8318 Forrest St Ellicott City MD 21043
STREET CITY/TOWN STATE ZIP

APPLICANT'S ROLE: DEVELOPER BUILDER BUYER RELATIVE/FRIEND REALTOR CONSULTANT

PROPERTY LOCATION
SUBDIVISION/PROPERTY NAME BOKA VALLEY LOT NO. 11

PROPERTY ADDRESS Boka Valley Court
STREET TOWN/POST OFFICE

TAX MAP PAGE(S) 8 GRID 19 PARCEL(S) 43 PROPOSED LOT SIZE 1.25ac±

AS APPLICANT, I UNDERSTAND THE FOLLOWING: THE SYSTEM INSTALLED SUBSEQUENT TO THIS APPLICATION IS ACCEPTABLE ONLY UNTIL PUBLIC SEWERAGE IS AVAILABLE. THIS APPLICATION IS COMPLETE WHEN ALL APPLICABLE FEES AND A SUITABLE SITE PLAN HAVE BEEN RECEIVED. I ACCEPT THE RESPONSIBILITY FOR COMPLIANCE WITH ALL M.O.S.H.A. AND "MISS UTILITY" REQUIREMENTS. APPROVAL IS BASED UPON SATISFACTORY REVIEW OF A PERC CERTIFICATION PLAN.

TEST RESULTS WILL BE MAILED TO APPLICANT.

[Signature]
SIGNATURE OF APPLICANT

HOWARD COUNTY HEALTH DEPARTMENT, BUREAU OF ENVIRONMENTAL HEALTH, WELL AND SEPTIC PROGRAM
3525-H ELLICOTT MILLS DRIVE, ELLICOTT CITY, MARYLAND 21043-4544 (410) 313-1771 FAX (410) 313-2648
TDD (410) 313-2323 TOLL FREE 1-877-4MD-DHMH

A/P _____

600

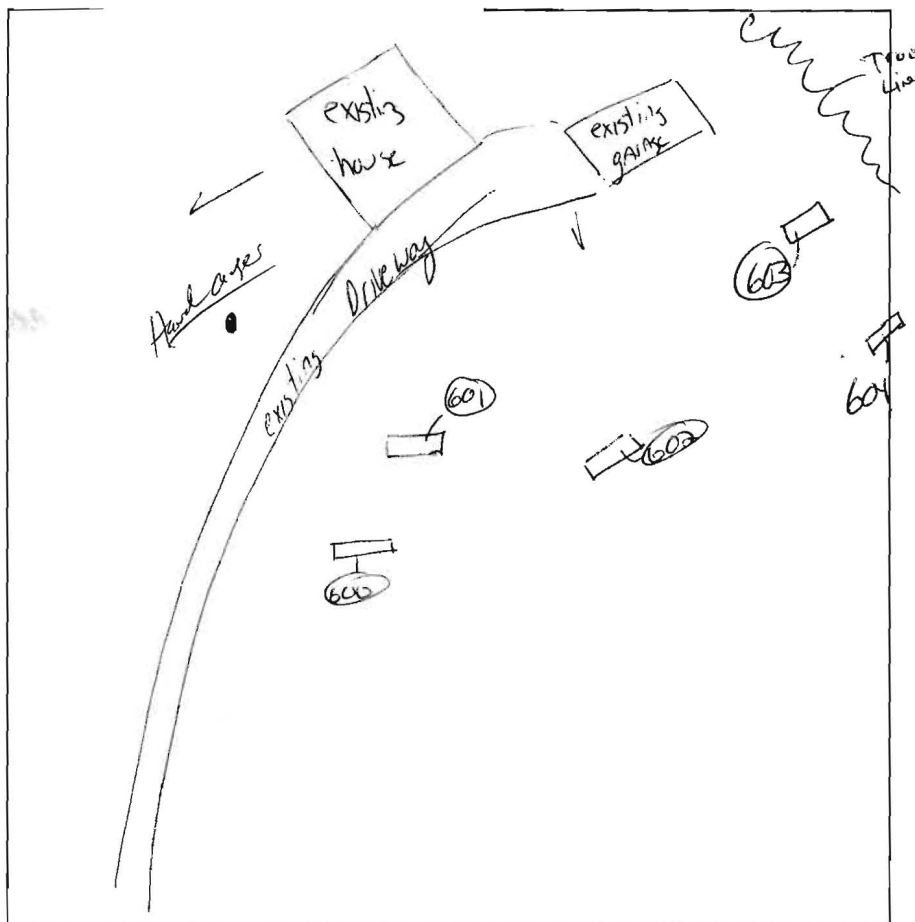
Brown L	
Red/Brown heavy sil w/ 5% gravelly Rock	
Yellow/Brown Sil	
Red/Brown Sil w/ 10% flaky Rock	
Yellow/Brown Sil w/ 15% Rock	2'

601

Brown/Brown L	1'
Red/Orange Sil	2'
Yellow/Brown heavy cl	4 1/2'
Red/Brown Sil w/ 15% coarse cherty Rock	10'
Brown/Red Sil w/ 20% Rock	11 1/2'

602

Brown L	
Red/Brown Sil	
Yellow/Brown micaceous Sil	
Brown/Red Sil w/ trace Rock	11'



604

Brown L	1'
Red/Brown heavy cl	3'
Yellow/Brown micaceous Sil	5'
Red/Brown Sil	10'
Yellow/Brown Sil w/ 15% Rock	11'

603

Brown L	2'
Red/Orange Sil	5'
Brown/Red Sil	5 1/2'
Yellow/Brown Sil w/ 10% flaky Sphalerite	12'

Hand Auger (See Per Cut)

Brown L	1'
Red/Orange heavy sil	2 1/2'
Yellow/Orange Sil	3'
Red/Brown Sil w/	4 1/2'
Yellow/Brown Sil	8'

DATE	TEST #	DEPTH	START	BREAK 1" DROP	STOP 2" DROP	TIME OF 2ND INCH	P/F/H
11/1/05	600	6' / 12'	9:56	Pollard @ 10:15		slow	F
	601	5' / 11 1/2'	10:08	10:16	10:31	15 min	P
	602	5' / 11'	10:39	10:44	10:57	13 min	P
Re-Test	600	6 1/2' / 12'	10:22	10:26	10:32	6 min	P
	604	5' / 11'	10:58	11:02	11:33	21 min	P
	603	- / 12'	- Visual -			OK	P
1-12-06	Hand auger	-	- Visual -			OK	P

REMARKS _____

SANITARIAN KJB BACKHOE Justin Bird OTHERS Rich Nims
 TEST HOLES USED IN SDA _____ AVG. PERC TIME 14 SQ. FT/BR _____
 TRENCH WIDTH _____ INLET DEPTH _____ MAX. BOT DEPTH _____ EFFECTIVE SW _____

Maryland State Grid (NAD 83/91)

N 603,120
E 1,294,690

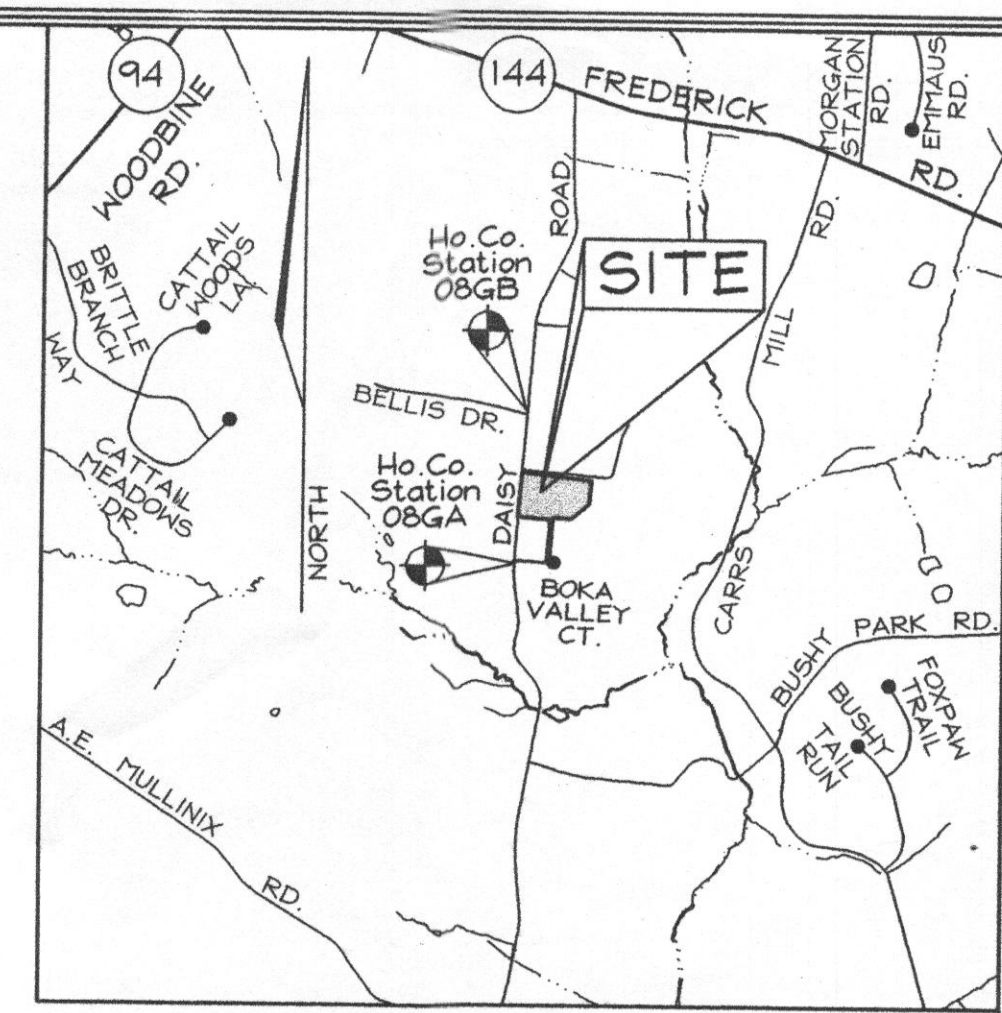
N 602,340
E 1,294,690

N 603,120
E 1,295,680

N 602,340
E 1,295,680

LEGEND

- Existing Contour
- Existing Spot Elevation
- Existing Trees to Remain
- Proposed Septic Easement
- Existing Septic Area
- Proposed Well Area
- Proposed House
- Existing Perc Test (Passed)
- Proposed Perc Test (Passed)
- Hand Auger, See Note 16
- Existing Well
- Soil boundary line



VICINITY MAP
SCALE: 1"=2000'

SOILS LEGEND

SYMBOL	NAME / DESCRIPTION	SOIL GROUP
CuB	Coarse silt loam, local alluvium, 3 to 8 percent slopes	B
GIB2	Glenelg loam, 3 to 8 percent slopes, moderately eroded	B
MIC3	Minor loam, 8 to 15 percent slopes, severely eroded	B
GIC2	Glenelg loam, 8 to 15 percent slopes, moderately eroded	B

GENERAL NOTES

- Subject property zoned RC-DEO per 02/02/04 Comprehensive Zoning Plan.
- Total area of property = 7.021 ac.±
- Private water and sewer will be used within this site.
- This area designates a private sewage easement, of at least 10,000 SF as required by the Maryland State Department of the Environment for individual sewage disposal (COMAR 26.04.03). Improvements of any nature in this area are restricted until public sewerage is available. These easements shall become null and void upon connection to a public sewerage system. The County Health Officer shall have the authority to grant adjustments to the private sewage easement. Recordation of a modified sewage easement shall not be necessary.
- The existing percs. were approved per Percolation Application A515005
- All wells and septic fields within 100' of property's boundary have been shown.
- Topography for Parcel "A" is Field Run in two (2) foot increments by FSH Associates, Registered Land Surveyor, in Sept. 2002. Topography for Lots 10 and 11, Parcel "B" and offsite is Howard County aerial topographic survey in two (2) foot increments. The aerial topography has been field verified.
- All wells to be drilled prior to submittal of record plat for signature. It is the developer's responsibility to schedule the well drilling prior to final plat submission. It will not be considered 'government delay' if the well drilling holds up the Health Department signature of the record plat.
- Number of proposed lots: 2
- Number of non-buildable preservation parcels: 1
- Number of buildable preservation parcels: 1
- The current owners of this property are Richard H. Nunn and Soan D. Choi
- The lots shown hereon comply with the minimum ownership, width and lot area as required by the Maryland Department of the Environment.
- Septic pipe for the existing house on lot 10 to be re-routed to proposed septic field.
- Proposed house on lot 10 to utilize the existing septic system.
- Hand auger test performed by the Howard County Health Department on January 12, 2006. Soil tested showed acceptable soils for a septic system.

PERC. CHART

Number	Elevation
600	536.68
601	540.00
602	538.70
603	539.81
604	535.22

APPROVED FOR PRIVATE WATER AND PRIVATE SEWERAGE SYSTEMS IN ACCORDANCE WITH THE MASTER PLAN OF HOWARD COUNTY

COUNTY HEALTH OFFICER
HOWARD COUNTY HEALTH DEPARTMENT

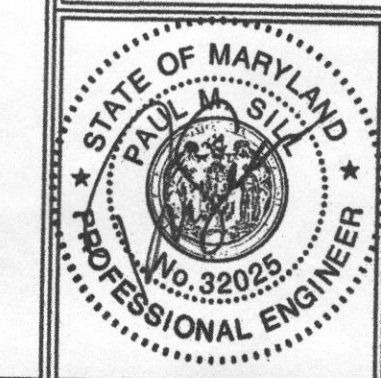
1/18/06
DATE

PERCOLATION CERTIFICATION PLAN

BOKA VALLEY
LOTS 10 & 11

TAX MAP 8 GRID 19
4TH ELECTION DISTRICT

PARCEL 43
HOWARD COUNTY, MARYLAND



FSH Associates
Engineers Planners Surveyors
8318 Forrest Street, Elkton City, MD 21043
Tel: 410-750-2251 Fax: 410-750-7350
E-mail: FSHAssociates@cs.com

DESIGN BY: PS
DRAWN BY: CDH/K
CHECKED BY: ZTF
SCALE: 1"=50'
DATE: Jan. 13, 2006
H.O. No.: 3079
SHEET No.: 1 OF 1

A Percert Revision
should have been completed
for F-06-077 (Plat B913)
but the recognized document
OWNER/DEVELOPER
Richard H. Nunn
1815 Boka Valley Court
Woodbine, Maryland 21797
signed 1/19/06

SIGNED PERC CERT 1/18/2006

COORDINATE TABLE

POINT	NORTHING	EASTING
12	603,117.3938	1,294,883.6805
17	602,208.4338	1,295,139.0905
22	602,647.9473	1,295,184.3803
23	602,624.8938	1,295,157.5805
24	602,648.0938	1,294,848.4505
25	602,633.2793	1,295,379.8006
26	602,793.4323	1,295,564.3353
27	603,032.7591	1,295,582.2988
29	602,201.7857	1,295,125.8226
30	602,217.4203	1,295,152.0655

Reservation Of Public Utility Easements

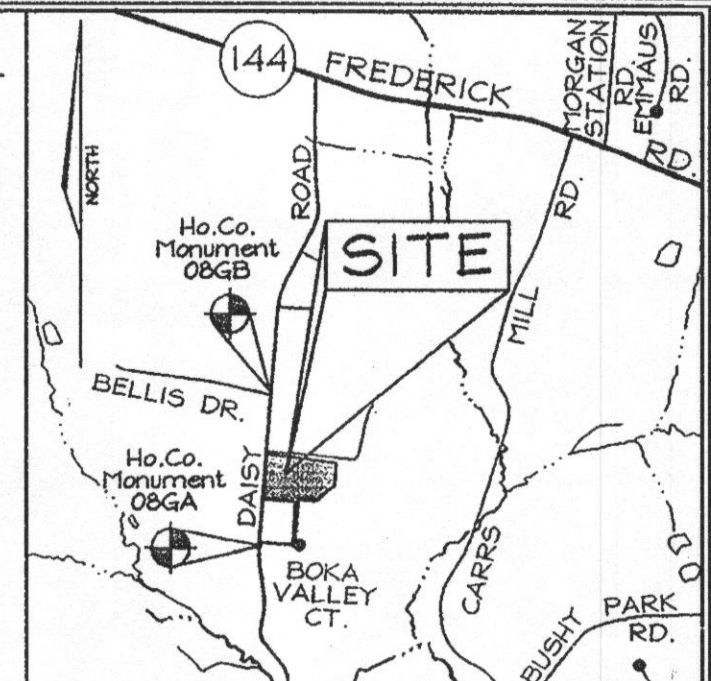
"Developer reserves unto itself, its successors and assigns, all easements shown on this plan for water, sewer, storm drainage, and other public utilities located in, on, over, and through Lots 10 & 11, any conveyances of the aforesaid lots shall be subject to easements herein reserved, whether or not expressly stated in deed(s) conveying said lot(s). Developer shall execute and deliver deeds for easements herein reserved to Howard County, with a Metes and Bounds Description. Upon completion of the public utilities and their acceptance by Howard County, and the release of Developer's surety posted with said agreement, the county shall accept the easements and record the deed(s) of easement in the land records of Howard County."

The Requirements 3-108, The Real Property Article, Annotated Code of Maryland, 1999 Replacement Volume, (As supplemented) as far as they relate to the making of this Plat and the Setting of Markers have been complied with.

C. Brooke Miller (Maryland Property Line Surveyor #135) 12/21/2006
 Richard H. Nunn 12-31-06
 Soon D. Choi 12-24-06

EASEMENT LEGEND

	Existing 100 Year Floodplain Easement
	Existing Use-In-Common Easement
	Proposed Use-In-Common Easement
	Proposed Drainage and Utility Easement
	Proposed Septic Easement
	Existing Septic Easement



VICINITY MAP

SCALE: 1"=2000'

MINIMUM LOT SIZE CHART

LOT NUMBER	GROSS AREA (ac)	PIPESTEM AREA (ac)	MINIMUM LOT SIZE
10	3.702±	0.125±	3.577ac±
11	3.319±	0.121±	3.198ac±

General Notes continued:

- Landscaping for Lot 11 is provided in accordance with a certified Landscape Plan on file with this plat in accordance with Section 16.124 of the Howard County Code and Landscape Manual. Financial surety for the required landscaping will be posted as part of the Developer's Grading Permit in the amount of \$9,900.00 (27 shade trees @ \$300.00 each and 12 evergreen trees @ \$150.00 each) at Grading Plan Stage.
- Stormwater Management is provided as follows: WQV and Rev is provided by Rooftop and Non-rooftop disconnects and by the Grass Channel credits. This site is exempt from CPV requirements.
- Forest Conservation requirements per Section 16.1202 of the Howard County code and Forest Conservation Manual for this site have been fulfilled through the Forest Retention Credit of 0.80 acres located on Lot 10 in accordance with the adopted DPZ Policy dated May 11, 1999 for Residential lots greater than 60,000 sq.ft. and the payment of a fee-in-lieu for 0.60 acres in the amount of \$13,068.00 Afforestation.
- The lots shown hereon comply with the minimum ownership, width and lot area as required by the Maryland State Department of the Environment.
- This plat is subject to the Amended Fifth Edition of the Subdivision and Land Development Regulations per Council Bill 45-2003 and the Zoning Regulations as amended by Council Bill 75-2003. Development or construction on these lots must comply with setback and buffer regulations in effect at the time of submission of a building/grading permit.
- An amended maintenance agreement for the use-in-common driveway serving Lots 9, 10 & 11 has been recorded among the Land Records of Howard County, Maryland simultaneously with the recordation of this plat.
- All wells to be drilled prior to submittal of record plat for signature. It is the developer's responsibility to schedule the well drilling prior to final plat submission. It will not be considered 'government delay' if the well drilling holds up the Health Department signature of the record plat.
- This plan is subject to Waiver Petition WP-88-141 to waive Section 16.102 of the Howard County Subdivision and Land Development Regulations to showing the residue of the Talley Property. This waiver was approved on April 28, 1989 under F-89-57.

CURVE TABLE

CURVE	RADIUS	ARC LENGTH	DELTA	TANGENT	CHORD
C1	25.00'	15.07'	34°31'55"	7.77'	N63°23'10"E 14.84'
C2	59.00'	15.87'	18°11'14"	8.00'	N55°11'48"E 15.80'

AREA TABULATION CHART

- Total number of Buildable Lots to be recorded: 2
- Total area of Buildable Lots to be recorded: 7.021 Acres±
- Total area of subdivision to be recorded: 7.021 Acres±

PIPESTEM DETAIL

SCALE: 1"=30'

PLAN VIEW

SCALE: 1"=100'

OWNER/DEVELOPER

Richard H. Nunn
 Soon D. Choi
 1815 Boka Valley Court
 Woodbine, Maryland 21797
 410.977.7754

FSH Associates

Engineers Planners Surveyors
 6339 Howard Lane Elkridge, MD 21075
 Tel: 410-567-5200 Fax: 410-796-7562
 E-mail: info@fsheri.com

The purpose of this plat is to create an additional buildable lot by the resubdivision of Lot 8 into Lots 10 and 11; to add a 20' Drainage & Utility Easement; to increase the width of the existing use-in-common driveway easement to 24'; and to abandon the existing 100 Year Floodplain, Drainage & Utility Easement as recorded on Plat #8574.

OWNER'S CERTIFICATE

I, Richard H. Nunn & Soon D. Choi, owners of the property shown and described hereon, hereby adopt this plan of subdivision, and in consideration of the approval of this final plat by the Department of Planning and Zoning, establish the minimum building restriction lines and grant unto Howard County, Maryland, its successors and assigns: (1) The right to lay, construct and maintain sewers, drains, water pipes and other Municipal utilities and services in and under all road and street Rights-of-Way and the specific easement areas shown hereon; (2) The right to require dedication for Public use the beds of the streets and/or roads and Floodplains and Open Space where applicable and for good and other valuable consideration hereby grant the right and option to Howard County to acquire the Fee Simple Title to the beds of the streets and/or roads and Floodplains, Storm Drainage Facilities and Open Space where applicable; (3) The right to require dedication of Waterways and Drainage easements for the specific purpose of their construction, repair and maintenance; And (4) That no building or similar structure of any kind shall be erected on or over said Easements and Rights-of-Way. Witness my hand this 21st day of DECEMBER, 2006.

Richard H. Nunn
 Soon D. Choi

Zacharias J. Fisch
 Zacharias J. Fisch

SURVEYOR'S CERTIFICATE

I hereby certify that the final plat shown hereon is correct; that it is a subdivision of all of the lands conveyed by Richard H. Nunn to Richard H. Nunn and Soon D. Choi by deed dated March 17, 2005 and recorded in the Land Records of Howard County in Liber 9110 folio 369, and that all monuments are in place or will be in place prior to the acceptance of the streets in the subdivision by Howard County as shown, in accordance with the Annotated Code of Maryland, as amended.



C. Brooke Miller (Maryland Property Line Surveyor #135) 12/21/2006

Recorded as Plat No. 18813 on 12/21/07
 Among the Land Records of Howard County, Maryland.

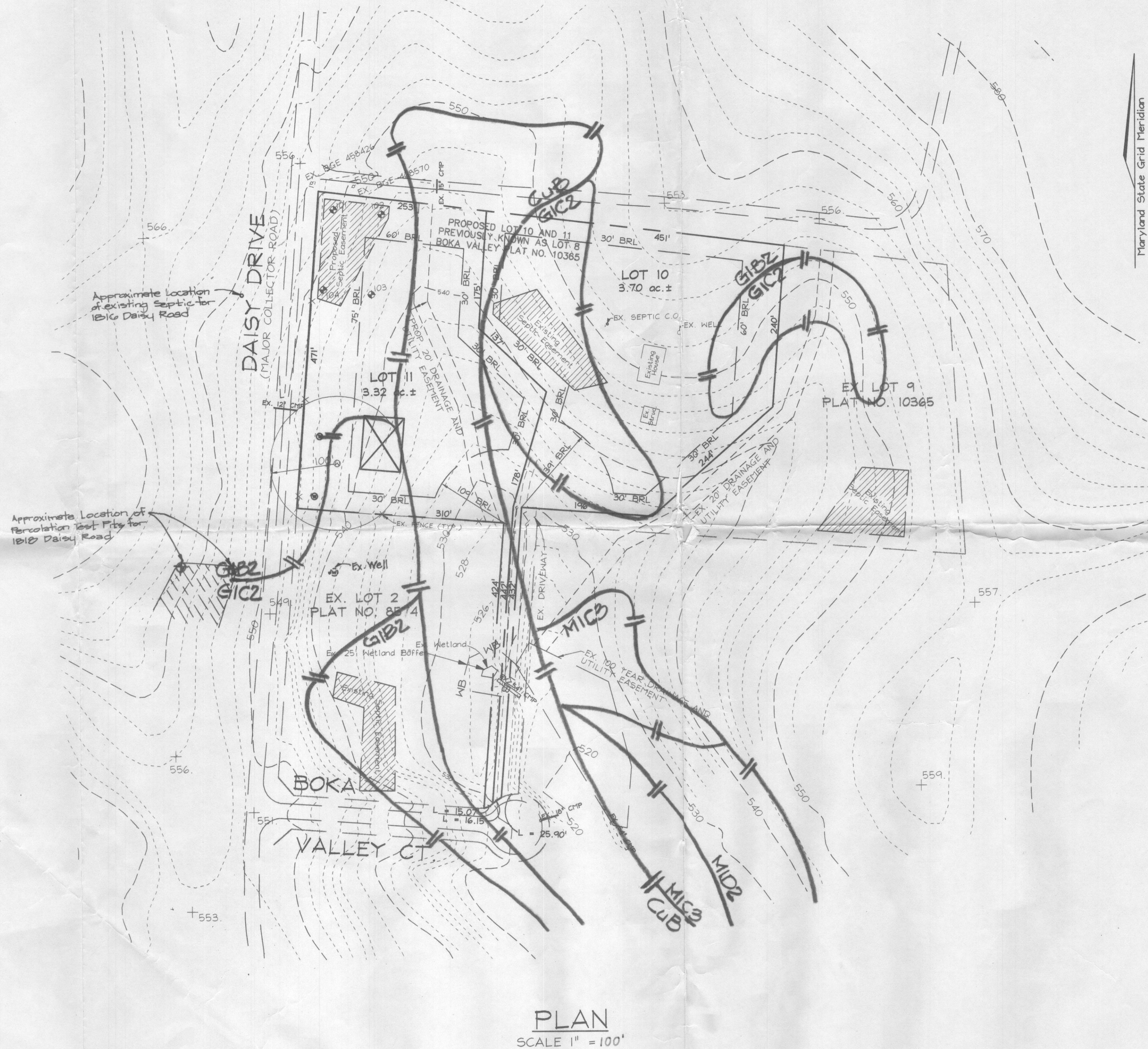
BOKA VALLEY LOTS 10 AND 11

A RESUBDIVISION OF LOT 8
 BOKA VALLEY, PLAT #10365
 TAX MAP 08, GRID 19, PARCEL 43
 4TH ELECTION DISTRICT
 HOWARD COUNTY, MARYLAND
 Scale: As Shown
 Date: December 14, 2006
 Sheet 1 of 1

S-88-III; WP-88-141; P-89-003; F-89-057; F-90-137

F-06-027

SOILS LEGEND		
SOIL	NAME	CLASS
CuB	Comus Silt Loam, Local Alluvium, 3 to 8 Percent Slopes	B
GIB2	Glenelg Loam, 3 to 8 Percent Slopes, Moderately Eroded	B
GIC2	Glenelg Loam, 8 to 15 Percent Slopes, Moderately Eroded	B
MIC3	Manor Loam, 8 to 15 Percent Slopes, Severely Eroded	B
MID2	Manor Loam, 15 to 25 Percent Slopes, Severely Eroded	B



LEGEND

Existing Contour ———— 382

Soils Line ———— GIB2

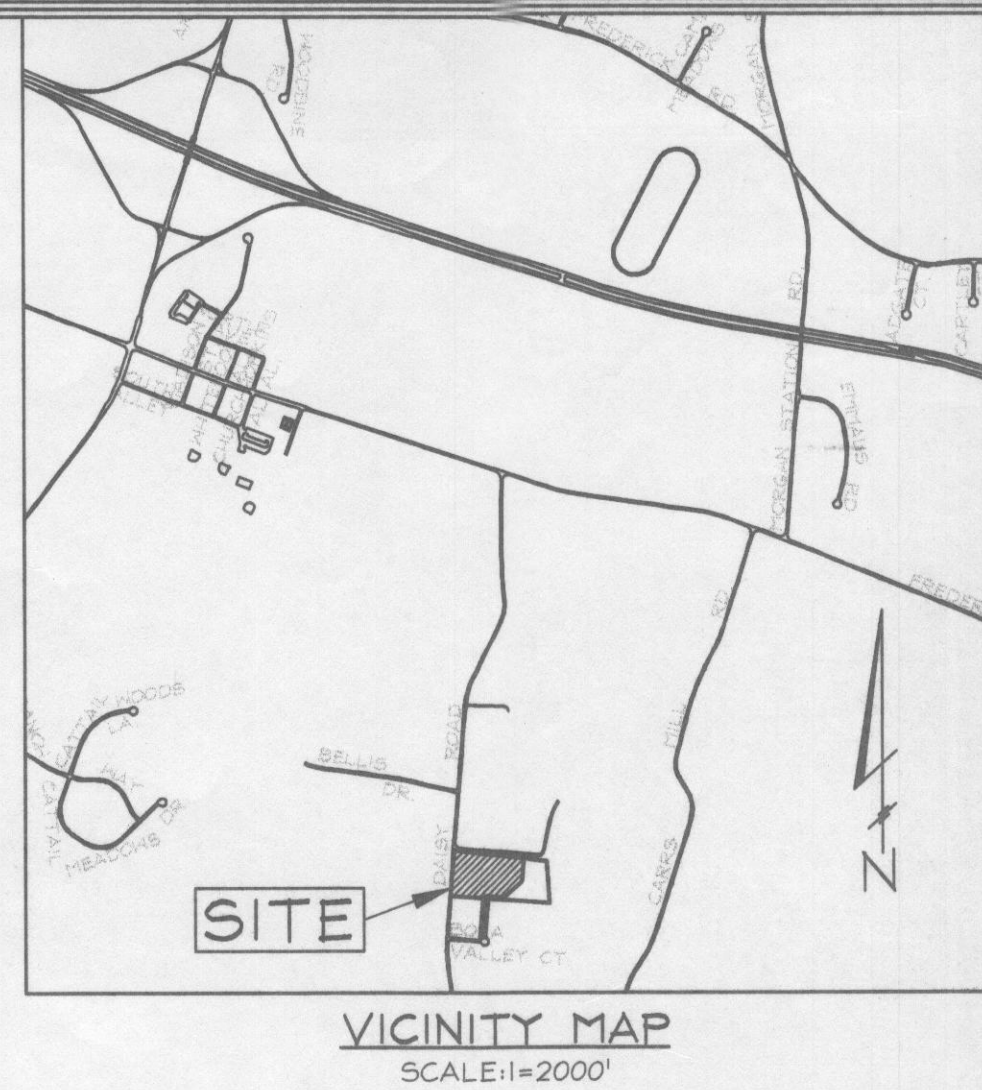
Proposed Building

Existing Building

Prop. Septic Reserve Area

Ex. Septic Reserve Area

Percolation Test Locations

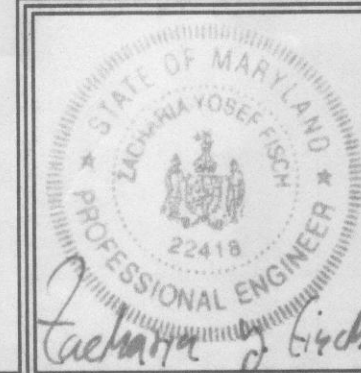


- GENERAL NOTES**
1. Subject property zoned RC-DEO per 10/18/93 Comprehensive Zoning Plan.
 2. Total area of property = 7.0232 ac.±
 3. Private water, and sewer will be used within this site.
 4. This area designates a private sewage easement of at least 10,000 square feet as required by the Maryland State Department of the Environment for individual sewage disposal (COMAR 26.04.03). Improvements of any nature in this area are restricted until public sewage is available. These easements shall become null and void upon connection to a public sewage system. The County Health Officer shall have the authority to grant variances for encroachments into the private sewage easement. Recordation of a modified sewage easement shall not be necessary.
 5. Wells and septic fields within 100' of property's boundary have been shown where pertinent.
 6. Howard County Soil Map #6.
 7. The septic fields are located on soil type GIB2 as per the soil survey of Howard County.
 8. Percolation test holes and their elevations have been field located by C.B. Miller and Associates, registered land surveyor.
 9. On-site Topography based on a Field Run Topographic Survey prepared by C.B. Miller & Associates on Sept. 4, 2001 with two foot contours. Topography outside of the area of the proposed house site and proposed septic system is taken from the Howard County 1993 Aerial Topographic Surveys with five foot contours.
 10. Existing house on Lot 10 to remain.
 11. A Pump system for the proposed septic field on lot 11 may be required.

APPROVED: FOR PRIVATE WATER AND PRIVATE SEWERAGE SYSTEMS
HOWARD COUNTY HEALTH DEPARTMENT

Dina M. [Signature] 11/9/01
COUNTY HEALTH OFFICER DATE

REVISED 10/31/01.



FSH Associates
Engineers Planners Surveyors
9318 Forrest Street, Ellicott City, MD 21043
Tel: 410-750-2251 Fax: 410-750-7350
E-mail: FSHAssociates@cs.com

OWNER/DEVELOPER
SIGNED
RICHARD H. NUNN
1815 BOKA VALLEY COURT
WOODBINE, MD 21747

PERCOLATION CERTIFICATION PLAN
LOT 11
BOKA VALLEY
(A resubdivision of lot 8 plat number 10365)
TAX MAP 08 GRID 19 PART OF PARCEL 43
4TH ELECTION DISTRICT HOWARD COUNTY, MARYLAND

DESIGN BY: PS
DRAWN BY: PS
CHECKED BY: ZYF
SCALE: 1" = 100'
DATE: Sept. 11, 2001
W.O. No.: 3079
SHEET No. 1 OF 1