

LEGEND	
SYMBOL	DESCRIPTION
(Symbol)	EXISTING TREE LINE
(Symbol)	PASSED PERC HOLES
(Symbol)	FAILED PERC HOLES
(Symbol)	STREAM BUFFER
(Symbol)	LANDSCAPE PERIMETER
(Symbol)	SILT FENCE
(Symbol)	L.O.D. LIMIT OF DISTURBANCE
(Symbol)	SOILS LINE AND TYPE
(Symbol)	FOREST CONSERVATION EASEMENT (RETAINED)
(Symbol)	FOREST CONSERVATION EASEMENT (REFORESTED)
(Symbol)	PROPOSED TREE LINE
(Symbol)	WETLANDS LIMITS
(Symbol)	WETLANDS BUFFER
(Symbol)	WETLANDS AREA
(Symbol)	UNMITIGATED 65-DBA NOISE CONTOUR LINE
(Symbol)	DISCONNECTED IMPERVIOUS AREA
(Symbol)	DISCONNECTION RECEIVING AREA

Developer's/Builder's Certificate
 I/We certify that the landscaping shown on this plan will be done according to Section 16.124 of the Howard County Code and the Howard County Landscape Manual. I/We further certify that upon completion of Certification of Landscape Installation accompanied by an executed one year guarantee of plant materials will be submitted to the Department of Planning and Zoning.

Charles Fritsch
 Developer/Builder
 June 26, 2009
 Date

LANDSCAPE NOTES
 The Owner, Tenants And/Or Their Agents Shall Be Responsible For Maintenance Of The Required Landscaping Including Both Plant Materials And Berms, Fences And Walls. All Plant Materials Shall Be Maintained In Good Growing Conditions, And When Necessary, Replaced With New Materials To Ensure Continued Compliance With Applicable Regulations. All Other Required Landscaping Shall Be Permanently Maintained In Good Condition, And When Necessary, Repaired Or Replaced.
 At The Time Of Plant Installation All Shrubs And Trees Listed And Approved On The Landscape Plan, Shall Comply With The Proper Height Requirement In Accordance With The Howard County Landscape Manual. In Addition, No Substitutions Or Relocations Of The Required Plantings May Be Made Without Prior Review And Approval From The Department Of Planning And Zoning. Any Deviation From The Approved Landscape Plan May Result In Denial Or Delay In The Release Of Landscape Surety Until Such Time As All Required Materials Are Planted And/Or Revision Are Made To Applicable Plans Or Certificates.
 Should any tree designated for preservation for which landscaping credit is given, die prior to release of bonds, the owner will be required to replace the tree with the equivalent species or with a tree which will obtain the same height, spread and growth characteristics. The replacement tree must be a minimum of 3 inches in caliper and installed as required in the Howard County Landscape Manual.

LANDSCAPING PLANT LIST			
QTY.	KEY	NAME	SIZE
3	(Symbol)	ACER RUBRUM OCTOBER GLO® OCTOBER RED MAPLE	2 1/2" - 3" CALIPER FULL CROWN, BAB

THIS PLAN HAS BEEN PREPARED IN ACCORDANCE WITH THE PROVISIONS OF SECTION 16.124 OF THE HOWARD COUNTY CODE AND THE LANDSCAPE MANUAL. FINANCIAL SURETY FOR THE 3 TOTAL REQUIRED LANDSCAPE TREES HAS BEEN POSTED AS PART OF THE DEVELOPER'S AGREEMENT IN THE AMOUNT OF \$900.00.

SCHEDULE A - PERIMETER LANDSCAPING								
PERIMETER	CATEGORY (PROPERTIES/ROADWAYS)	LANDSCAPE TYPE	LINEAR FEET OF PERIMETER	CREDIT FOR EXISTING VEGETATION (YES, NO, LINEAR FEET) (DESCRIBE BELOW IF NEEDED)	CREDIT FOR WALL, FENCE OR BERM (YES, NO, LINEAR FEET) (DESCRIBE BELOW IF NEEDED)	SHADE TREES	EVERGREEN TREES	SHRUBS
N/A	ADJACENT TO ROADWAY	N/A	N/A	N/A	N/A	N/A	N/A	N/A
P-1	ADJACENT TO PERIMETER	A	184.3'	NO	NO	3	-	-
P-2	ADJACENT TO PERIMETER	A	1073.6'	YES, 100%	NO	0	-	-
P-3	ADJACENT TO PERIMETER	A	315.7'	YES, 100%	NO	0	-	-

NOTE: A LANDSCAPING SURETY WILL BE REQUIRED AS PART OF THE DEVELOPER'S AGREEMENT AT FINAL PLAN STAGE.

TENTATIVELY APPROVED
 DEPARTMENT OF PLANNING AND ZONING
 HOWARD COUNTY
Mark A. Angelo 8/10/09

FISHER, COLLINS & CARTER, INC.
 CIVIL ENGINEERING CONSULTANTS & LAND SURVEYORS
 CONFIDENTIAL SQUARE OFFICE PARK 10772 BALTIMORE NATIONAL PIKE
 ELICOTT CITY, MARYLAND 21042
 (410) 468-2895

APPROVED FOR PRIVATE WATER AND PRIVATE SEWER, AND SHARED SEPTIC SYSTEMS. USE OF THE SHARED SEPTIC SYSTEM IS IN CONFORMANCE WITH THE COUNTY PLAN. HOWARD COUNTY HEALTH DEPARTMENT.
Walter Peter Billesen 8/19/2009
 COUNTY HEALTH OFFICER DATE

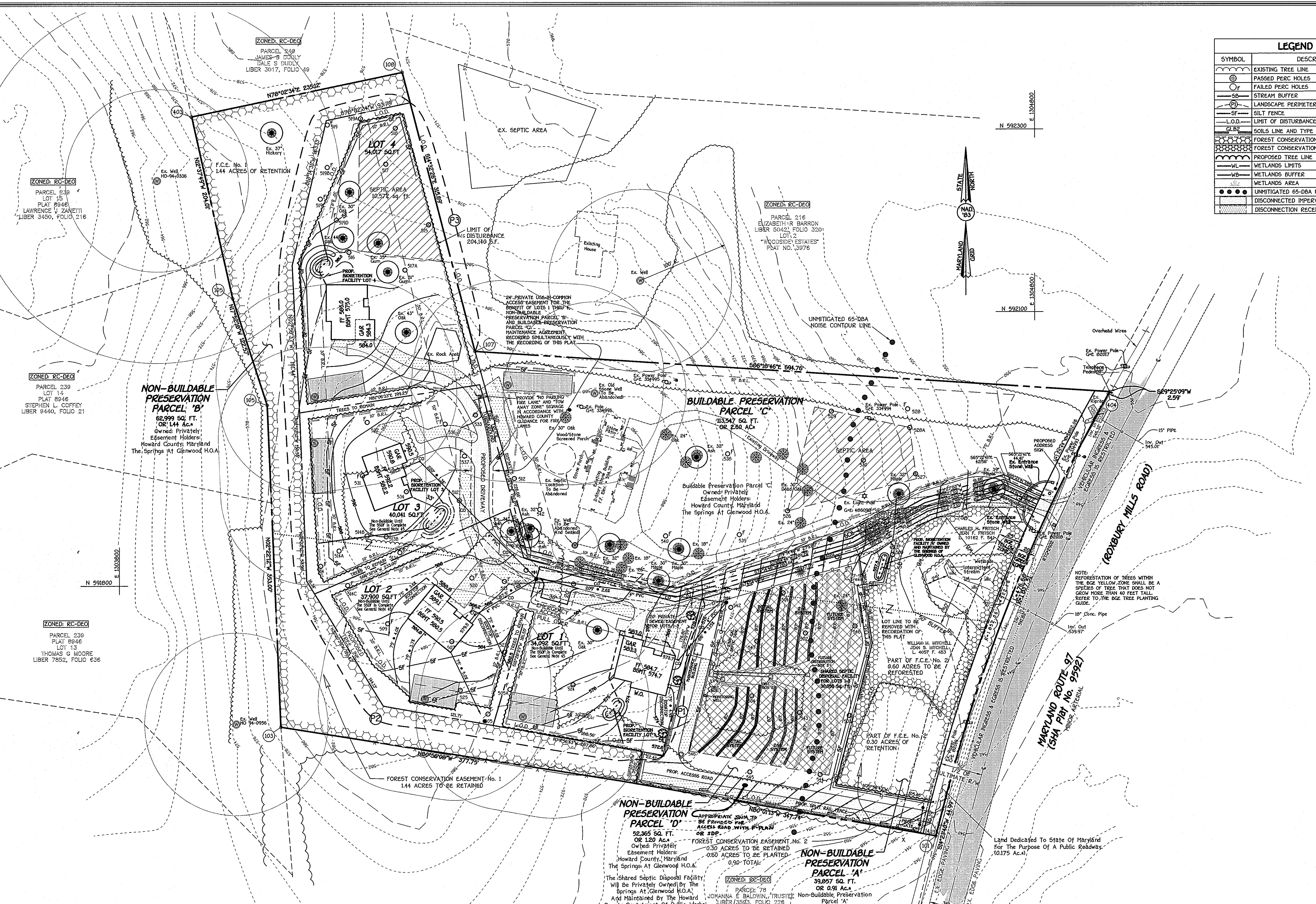
DEVELOPER
 CHARLES FRITSCH
 JEAN FRITSCH
 6 ROCKY GLEN COURT
 BROOKVILLE MD 20833
 410-489-5900

OWNERS
 CHARLES FRITSCH
 JEAN FRITSCH
 6 ROCKY GLEN COURT
 BROOKVILLE MD 20833
 410-489-5900

TERRELL A. FISHER, P.E.
 8/10/09
 DATE
 Professional certification I hereby certify that these documents were prepared by me, and that I am a duly Licensed Professional Engineer under the laws of the State of Maryland, License No. 3727, Expiration Date 3-3-10.

PRELIMINARY EQUIVALENT SKETCH PLAN AND LANDSCAPE PLAN
THE SPRINGS AT GLENWOOD
 BUILDABLE LOTS 1 THRU 4, NON-BUILDABLE PRESERVATION PARCELS 'A' AND 'B', AND BUILDABLE PRESERVATION PARCEL 'C'
 ZONING RC-DEO
 TAX MAP NO. 14 GRID NO. 22 PARCEL NO. 77 & 251
 FORTH ELECTION DISTRICT HOWARD COUNTY, MARYLAND
 SCALE: 1"=50' DATE: JULY 30, 2009
 SHEET 2 OF 5

LEGEND	
SYMBOL	DESCRIPTION
	EXISTING TREE LINE
	PASSED PERC HOLES
	FAILED PERC HOLES
	STREAM BUFFER
	LANDSCAPE PERIMETER
	SILT FENCE
	LIMIT OF DISTURBANCE
	SOILS LINE AND TYPE
	FOREST CONSERVATION EASEMENT (RETAINED)
	FOREST CONSERVATION EASEMENT (REFORESTED)
	PROPOSED TREE LINE
	WETLANDS LIMITS
	WETLANDS BUFFER
	WETLANDS AREA
	UNMITIGATED 65-DBA NOISE CONTOUR LINE
	DISCONNECTED IMPERVIOUS AREA
	DISCONNECTION RECEIVING AREA



TENTATIVELY APPROVED
DEPARTMENT OF PLANNING AND ZONING
HOWARD COUNTY

Mark D. Uggel 8/21/09

FISHER, COLLINS & CARTER, INC.
CIVIL ENGINEERING CONSULTANTS & LAND SURVEYORS
CENTENNIAL SQUARE OFFICE PARK - 10272 BALTIMORE NATIONAL PIKE
ELLSWORTH CITY, MARYLAND 21042
410.481.2095

APPROVED FOR PRIVATE WATER AND PRIVATE SEWER, AND SHARED SEPTIC SYSTEMS.
USE OF THE SHARED SEPTIC SYSTEM IS IN CONFORMANCE WITH THE COUNTY PLAN,
HOWARD COUNTY HEALTH DEPARTMENT.

William Peter Bilanson 8/19/2009
COUNTY HEALTH OFFICER DATE

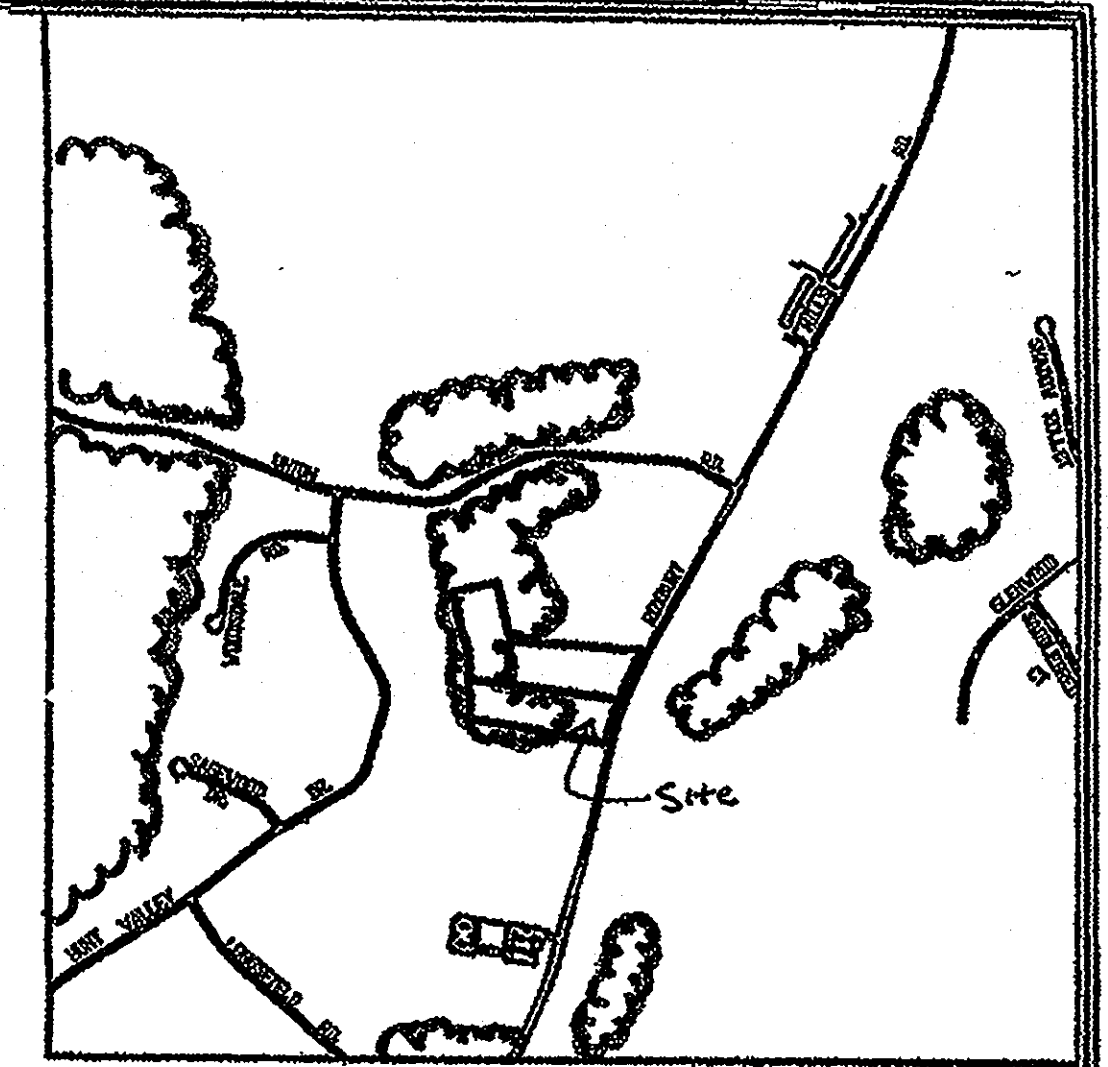
DEVELOPER
CHARLES FRITSCH
JEAN FRITSCH
6 ROCKY GLEN COURT
BROOKVILLE MD 20833

OWNERS
CHARLES FRITSCH
JEAN FRITSCH
6 ROCKY GLEN COURT
BROOKVILLE MD 20833

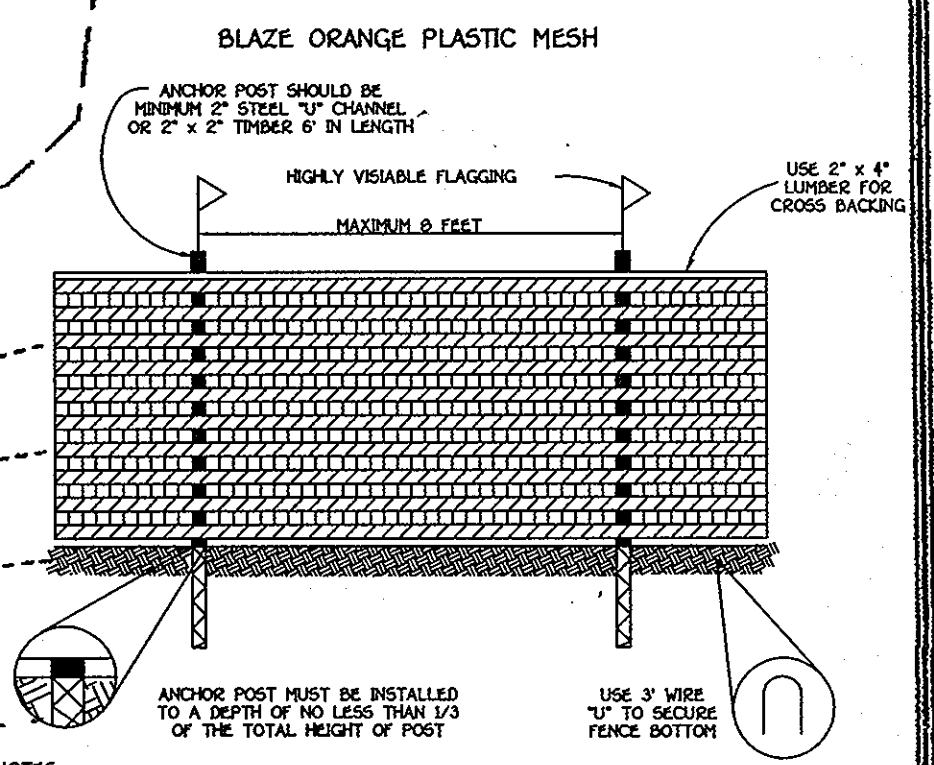
STATE OF MARYLAND
TERRELL A. FISHER, P.E.
8/13/09
Professional certification I hereby certify that these documents were prepared by me, and that I am a duly Licensed Professional Engineer under the laws of the State of Maryland, License No. 9757, Expiration Date 3-3-10.

SCHEMATIC GRADING AND SEDIMENT CONTROL PLAN
THE SPRINGS AT GLENWOOD
BUILDABLE LOTS 1 THRU 4, NON-BUILDABLE PRESERVATION PARCELS 'A', 'B', AND 'D' AND BUILDABLE PRESERVATION PARCEL 'C'
ZONING RC-DEO
TAX MAP NO. 14 GRID NO. 22 PARCEL NO. 77 & 251
FORTH ELECTION DISTRICT HOWARD COUNTY, MARYLAND
SCALE: 1"=50'
DATE: JULY 30, 2009
SHEET 3 OF 5

- NOTES:**
- 1 No rare, threatened or endangered species or their appropriate habitats were observed on the property
 - 2 Surrounding land use is primarily medium density residential development and agriculture. Approximately 2.1 acres of forest occurs within 100 feet of the subject property
 - 3 There are no known historic features on the site. The Howard County Historic Commission had no objection to the proposed subdivision (Case # HOC-08-49)
 - 4 The site lies within the Brighton Dam watershed (02131109)
 - 5 No steep slopes as defined by Howard County regulations are present on the property
 - 6 The site contains non-tidal wetlands and an intermittent channel
 - 7 Super Silt Fence will be used around Specimen Trees "C", "E", and "F".



VICINITY MAP
SCALE: 1" = 1000'



- NOTES:**
1. FOREST PROTECTION DEVICE ONLY.
 2. RETENTION AREA WILL BE SET AS PART OF THE REVIEW PROCESS.
 3. BOUNDARIES OF RETENTION AREA SHOULD BE STAKED AND FLAGGED PRIOR TO INSTALLING DEVICE.
 4. ROOT DAMAGE SHOULD BE AVOIDED.
 5. PROTECTIVE SIGNAGE MAY ALSO BE USED.
 6. DEVICE SHOULD BE MAINTAINED THROUGHOUT CONSTRUCTION.

TREE PROTECTION DETAIL
NOT TO SCALE

ON-SITE SIGNAGE

FOREST CONSERVATION EASEMENT

UNAUTHORIZED DISTURBANCE OF VEGETATION IS PROHIBITED. VIOLATORS SUBJECT TO PENALTIES UNDER THE HOWARD COUNTY FOREST CONSERVATION ACT OF 1991.

TREES FOR YOUR FUTURE

15 MINIMUM

11 MINIMUM

Forest Conservation Easement 1
1.44 acres to be retained

Forest to be Cleared
2.76 acres

Lawn

Forest Conservation Easement 2
0.30 acres to be retained
0.60 acres to be planted

- PCFP LEGEND**
- - - Existing Contours
 - Wetland
 - Stream/Wetland Buffer
 - Existing Tree Lines
 - Existing Forest
 - Specimen Tree
 - Proposed Contours
 - Forest to be Retained
 - Forest Conservation Easement - Retained Forest
 - Reforestation Area - FCE
 - Temporary Protective Fencing
 - Permanent Signage Location
 - Silt Fence
 - Existing Trees to Remain

SOILS LEGEND

SOIL	NAME	CLASS
B3A	Balls silt loam, 0 to 3 percent slopes	D
G2B	Glenale loam, 3 to 8 percent slopes	B
G2C	Glenale loam, 9 to 15 percent slopes	B
G2D	Glenale silt loam, 3 to 8 percent slopes	C
G2E	Glenale silt loam, 9 to 15 percent slopes	C

- NOTES:**
- * Hydric soils and/or contains hydric inclusions
 - May contain hydric inclusions
 - † Generally only within 100 year floodplain trees

Geo Science Professionals, Inc.
Consulting Ecologists
P.O. Box 2108601, Annapolis, MD 21407
Tel: 410-293-0400 Fax: 410-293-0405

MD DNR Qc 811 47 Table 1
ISAC00 Wetland Data 1.7
Center of Wetland Science
JACOBS
INC

OWNER AND DEVELOPER

MR & MRS CHARLES FRITSCH
6 ROCKY CLEN COURT
BROOKVILLE, MD 20833

See FCP Sheet 2 of 2 for notes, details and specifications

WETLAND DELINEATION, FOREST STAND DELINEATION & FOREST CONSERVATION PLAN THE SPRINGS AT GLENWOOD

BUILDABLE LOTS 1 THRU 4, NON-BUILDABLE PRESERVATION PARCELS 'A', 'B', AND 'D' AND BUILDABLE PRESERVATION PARCEL 'C'
ZONING RC-DEO
TAX MAP NO 14 GRID NO 22 PARCEL NO 77 & 251
FORTH ELECTION DISTRICT HOWARD COUNTY MARYLAND
SCALE: 1"=50' DATE: JULY 30, 2009

TENTATIVELY APPROVED
DEPARTMENT OF PLANNING AND ZONING
HOWARD COUNTY

Derek H. Weger 8/21/09

FISHER, COLLINS & CARTER, INC.
CIVIL ENGINEERING CONSULTANTS & LAND SURVEYORS
CENTRAL SQUARE CITY PARK 1978 BALDORRE NATIONAL PIKE
BLOOMINGVILLE, MD 21115

REFORESTATION PLAN

The reforestation area will be placed into a Forest Conservation Easement

A Planting Plan and Methods

Plant species selection was based on our knowledge regarding plant communities in Maryland's Piedmont Plateau and information provided in the soil survey on typical vegetation for the soil type on the planting site. Species selection was also based on our knowledge of plant availability in the nursery industry.

Reforestation will be accomplished through a mixed planting of white and branched transplants. Container grown stock is recommended but bare root stock may be used to help control afforestation costs. If bare root stock is used the root systems of all plants will be dipped in an anti-desiccant gel prior to planting to improve moisture retention in the root systems.

Prior to planting the proposed Forest Conservation Easements all multiflora rose in the planting area shall be removed. Removal of the rose may be performed with mowing and herbicide treatments. Physical removal of all top growth following by a periodic herbicide treatment of stump sprouts is recommended. Native tree and shrub species occurring within the rose thickets should be retained wherever possible. Herbicide treatments shall occur on 2 month intervals during the first growing season and once each in the spring and fall for subsequent years. Herbicide used shall be made specifically to address woody plant material and shall be applied as per manufacturer's specifications. Care should be taken not to spray planted trees or naturally occurring native tree/shrub seedlings. It is recommended that initiation of rose removal begin at least six months prior to planting.

B Planting and Soil Specifications

Plant material will be installed in accordance with the Planting Detail and Planting Specifications shown on the Forest Conservation Plan.

Amendments to existing soil will be in accordance with the Planting Specifications shown on the Forest Conservation Plan. Soil disturbance will be limited to individual planting locations.

C Maintenance of Plantings

See Post Construction Management Plan section B.

D Guarantee Requirements

A 60 percent survival rate of the reforestation plantings will be required after one growing season. All plant material below the 60 percent survival threshold will be replaced at the beginning of the second growing season. At the end of the second growing season a 75 percent survival rate will be required. All plant material below the 75 percent survival threshold will be replaced by the beginning of the next growing season.

E Security for Reforestation

Section 18.1209 of the Howard County Forest Conservation Act requires that a developer shall post a security (bond letter of credit, etc.) with the County to insure that all work is done in accordance with the FCP.

Forest Conservation Surety

On site Retention	75,794 sq ft X \$0.20 = \$15,158.88
On site Reforestation	26,136 sq ft X \$0.60 = \$15,681.60
Off-site Reforestation	64,904 sq ft X \$0.50 = \$32,452.00
	\$63,292.48

PLANTING SCHEDULE

FCE #1 0.6 acre planting area

Planting Units Required: 429
Planting Units Provided: 429

Qty	Species	Size	Spacing	Total FCA Units
60	Acer rubrum Red maple	2-3 whip	11' o.c.	
38	Cercia canadensis Redbud**	2-3 whip	11' o.c.	
39	Cornus florida Flowering dogwood**	2-3 whip	11' o.c.	
28	Liriodendron tulipifera Tulip poplar	2-3 whip	11' o.c.	
20	Lycium spicatum Black holly	2-3 whip	11' o.c.	
18	Prunus serotina Black cherry	2-3 whip	11' o.c.	
20	Quercus alba White oak	2-3 whip	11' o.c.	
20	Viburnum prunifolium Blackhaw**	2-3 whip	11' o.c.	
210				429
				429

Planting Notes

- Planting density based on 700 planting units per acre. 2 calliper trees = 7 planting units. 1 calliper tree = 3.5 planting units, white with shelter = 2 planting units.
- Only these species shall be planted within the BGE Yellow Zone.
- Planting shall be made in a curvilinear fashion along contour. The planting should avoid a grid appearance but should be spaced to facilitate maintenance.
- Multiflora rose/heavy brush removal/control may be required prior to installation of planting.
- All whips are required to be installed with tree shelters per Howard County FCA requirements.

CONSTRUCTION PERIOD PROTECTION PROGRAM

A. Forest Protection Techniques

1 Soil Protection Area (Critical Root Zone)

The soil protection area or critical root zone of a tree is that portion of the soil column where most of its roots may be found. The majority of roots responsible for water and nutrient uptake are located just below the soil surface. Temporary fencing shall be placed around the critical root zone of the forest in areas where the forest limits occur within 25 feet of the limit of disturbance.

2 Fencing and Signage

Existing forest limits occurring within 50 feet of the limits of disturbance shall be protected using temporary protective fencing. Permanent signage shall be placed around the afforestation area prior to plant installation as shown on the plan.

B Pre-Construction Meeting

Upon staking of limits of disturbance a pre-construction meeting will be held between the developer, contractor and appropriate County Inspector. The purpose of the meeting will be to verify that all sediment control is in order and to notify the contractor of possible penalties for non-compliance with the FCP.

C Storage Facilities/Equipment Cleaning

All equipment storage parking sanitary facilities material stockpiling etc associated with construction of the project will be restricted to those areas outside of the proposed Forest Conservation Easement. Cleaning of equipment will be limited to areas within the LOD of the proposed easement. Wastewater resulting from equipment cleaning will be controlled to prevent runoff into environmentally sensitive areas.

D Sequence of Construction

The following timetable represents the proposed timetable for development. The items outlined in the Forest Conservation Plan will be enacted within two (2) years of subdivision approval.

Below find a proposed sequence of construction

1. Install all signage and sediment control devices.
2. Hold pre construction meeting between developer, contractor and County Inspector.
3. Build access roads, install well and septic systems, and construct houses. Stabilize all disturbed areas accordingly.
4. Begin multiflora rose removal. Install permanent protective signage for Easements and initiate plantings in accordance with Forest Conservation Plan. Plantings will be completed within two (2) years of subdivision approval.
5. Remove sediment control.
6. Hold post-construction meeting with County inspectors to assure compliance with FCP. Submit Certification of Installation.
7. Monitor and maintain plantings for 2 years.

E Construction Monitoring

Eco-Science Professionals or another qualified professional designated by the developer will monitor construction of this project to ensure that all activities are in compliance with the Forest Conservation Plan.

F Post Construction Meeting

Upon completion of construction Eco-Science Professionals or another qualified professional designated by the developer will notify the County that construction has been completed and arrange for a post construction meeting to review the project site. The meeting will allow the County Inspector to verify that afforestation plantings have been installed.

POST-CONSTRUCTION MANAGEMENT PLAN

Howard County requires a two year post construction management plan to be prepared as part of the forest conservation plan. The plan goes into effect upon acceptance of the construction certification of completion by the County. Eco-Science Professionals or another qualified professional designated by the developer will be responsible for implementation of the post-construction management plan.

The following items will be incorporated into the plan:

A Fencing and Signage

Permanent signage indicating the limits of the retention/reforestation area shall be maintained.

B General Site Inspections/Maintenance of Plantings

Site inspections will be performed a minimum of three times during the growing season. The purpose of the inspections will be to assess the health of the afforestation plantings. Appropriate measures will be taken to rectify any problems which may arise.

In addition, maintenance of the afforestation plantings will involve the following steps:

1. Watering: All plant material shall be watered twice a month during the 1st growing season, more or less frequently depending on weather conditions. During the second growing season, once a month during May/September if needed.
2. Removal of invasive exotics and noxious weeds. Old field successional species will be retained.
3. Identification of serious plant pests and diseases, treatment with appropriate agent.
4. Pruning of dead branches.
5. After 12 and 24 months replacement of plants, if required, in accordance with the Guarantee Requirements shown on the FCP.

C Education

The developer will provide appropriate materials to property owners informing them of the location and purpose of the afforestation area. Materials may include site plans and information explaining the intent of the forest conservation law.

D Final Inspection

At the end of the two year post-construction management period, Eco-Science Professionals or another qualified professional will submit to the administrator of the Howard County Forest Conservation Program certification that all retention/reforestation requirements have been met. Upon acceptance of this certification, the County will release the developer from all future obligations and release the developer's bond.

Specimen Tree Chart

Key	Species	Size	Condition	Proposed Impact/Comment
A	Pignut hickory	37 DBH	good	no impact
B	White oak	43 DBH	good	retained, crz protection needed
C	White oak	44 DBH	good	retained, crz protection needed
D	Black gum	35 DBH	good	retained, crz protection needed
E	Black gum	31 DBH	good	retained, crz protection needed
F	White oak	43 DBH	good	retained, crz protection needed
G	White ash	34 DBH	good	retained, crz protection needed
H	White ash	32 DBH	good	retained, crz protection needed
I	White ash	31 DBH	good	retained, crz protection needed
J	White ash	32 DBH	good	retained, crz protection needed
K	Black oak	30 DBH	good	retained, crz protection needed
L	Norway maple	30 DBH	poor	retained, crz protection needed
M	Red maple	30 DBH	good	no impact
N	Red maple	32 DBH	good	retained, crz protection needed
O	White ash	32 DBH	good	no impact
P	Red maple	38 DBH	good	removed by driveway

The specimen trees will not be created toward any retention credit.

FOREST CONSERVATION WORKSHEET
Version 1.0

Project: The Springs at Glenwood
Date: January 30, 2009

NET TRACT AREA	Acres
A. Total tract area	30.16
B. Area within 100 Year Floodplain	0
C. Area to remain in agricultural production	0
D. Net Tract Area	30.16

LAND USE CATEGORY (from table 3 2 1 page 40 Manual)		
ARA	MDR	IDA
X		
E. Afforestation Threshold (percentage)	10.2	2.03
F. Conservation Threshold (percentage)	10.25	2.54

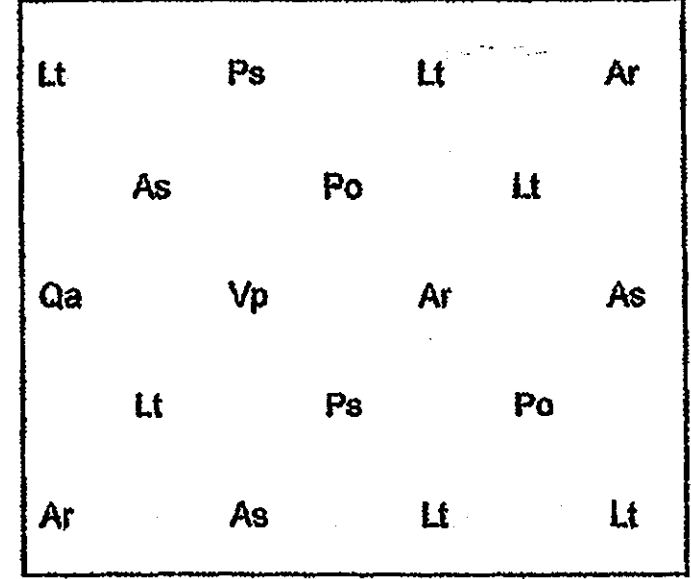
EXISTING FOREST COVER		
G. Existing forest cover (excluding floodplain)		4.60
H. Area of forest above afforestation threshold		2.47
I. Area of forest above conservation threshold		4.86

BREAK EVEN POINT		
J. Forest retention above threshold with no mitigation		0.39
K. Clearing permitted without mitigation	Break Even Point	2.54
		4.57

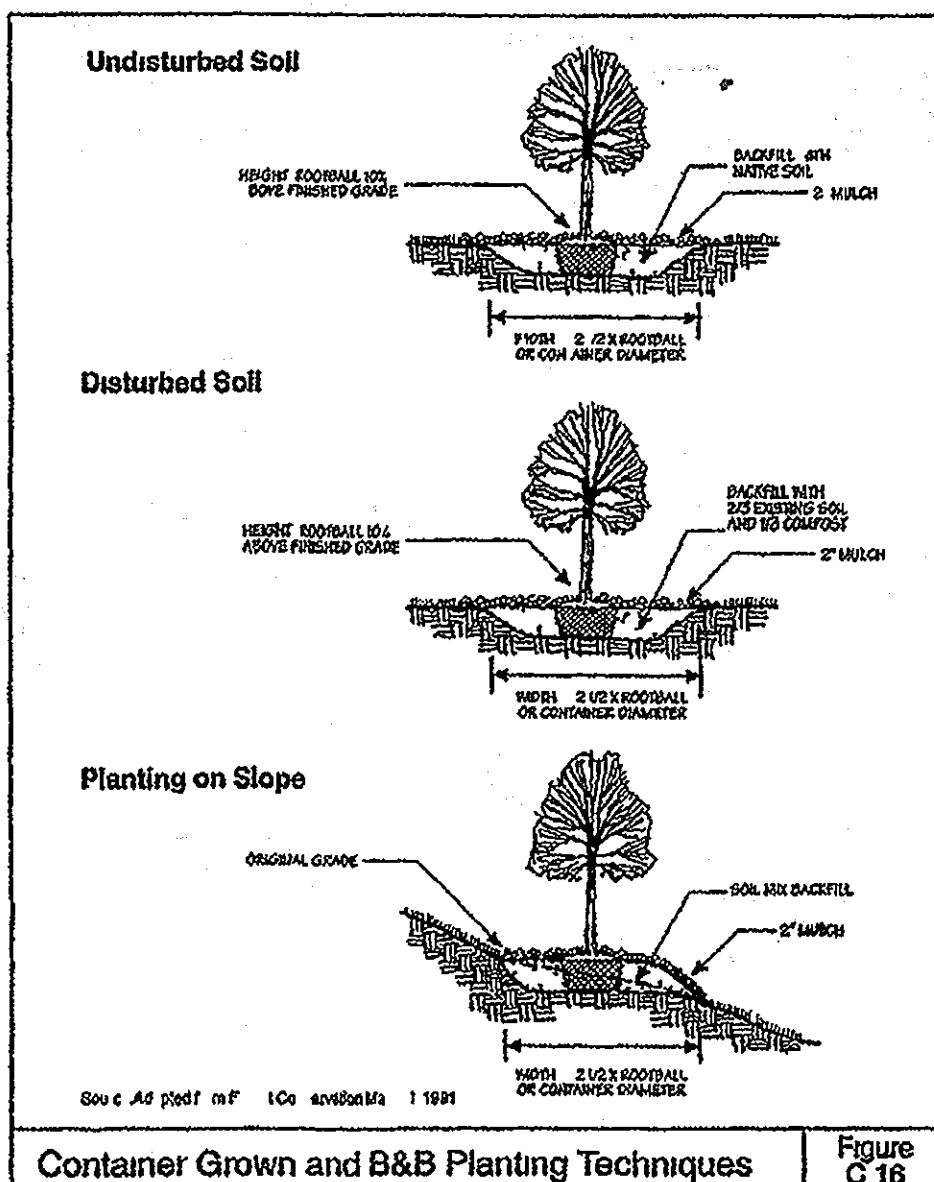
PROPOSED FOREST CLEARING		
L. Total area of forest to be Cleared or Retained Outside FCE		2.76
M. Total area of forest to be Retained in FCE		1.74

PLANTING REQUIREMENTS		
N. Reforestation for clearing above Conservation Threshold		0.49
P. Reforestation for clearing below Conservation Threshold		1.60
Q. Credit for retention above conservation threshold		2.09
R. Total reforestation required		2.09
S. Total afforestation required		2.09
T. Total reforestation and afforestation required		2.09

Typical Planting Layout



This diagram shows a typical dispersal of species within planting area. The spacing shall be in accordance with the approved planting schedule. Where the size of the planting stock varies, the planting units shall be installed at averaged spacing to provide approximately uniform coverage.



Container Grown and B&B Planting Techniques Figure C 16

FCFP NOTES

1. Forested areas occurring outside of the FCE shall not be considered part of the FCE and shall not be subject to protective land cover/retention of those forested areas is recommended.
2. Limits of disturbance shall be restricted to areas outside the limit of temporary fencing or the shown LOD, whichever is greater. Forest clearing post development will be subject to Forest Conservation Act restrictions and will be allowed at the discretion of each future lot owner.
3. No stockpile parking areas, equipment cleaning areas, etc shall occur within areas designated as Forest Conservation Easements.
4. Temporary fencing shall be used to protect forest resources during construction. The fencing shall be placed along all LOD boundaries which occur within 60 feet of the proposed forest retention limits. Fencing will also be utilized to protect the critical root zone of specimen trees to be retained outside the FCE.
5. Permanent protective signage shall be placed along the outer edge of the FCE limits. This fencing shall be spaced at 60-100 foot intervals and at all angles in the FCE boundary.
6. The Forest Conservation Act requirements for the project will be met through the on-site retention of 4.74 acres of forest, on-site reforestation of 0.60 acres and off-site reforestation of 1.60 acres. The retention and reforestation areas will be placed in Forest Conservation Easements on Non-Buildable Preservation Parcels A and B. The off-site reforestation will occur in a County approved location to be determined.
7. Forest Conservation Surety

On-site Retention	1.74 acres (75,794 sq ft / 43,569 sq ft) x \$0.20/sq ft = \$15,158.88
On-site Reforestation	0.60 acres (26,136 sq ft / 43,560 sq ft) x \$0.60/sq ft = \$15,681.60
Off-site Reforestation	1.69 acres (64,904 sq ft / 43,560 sq ft) x \$0.60/sq ft = \$32,452.00
	\$63,292.48

TENTATIVELY APPROVED
DEPARTMENT OF PLANNING AND ZONING
HOWARD COUNTY
March 11, 2009

FISHER, COLLINS & CARTER, INC.
CIVIL ENGINEERING CONSULTANTS & LAND SURVEYORS
CONTINENTAL SQUARE OFFICE PARK 10772 PALLADIUM NATIONAL PIKE
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TEL: 410-333-3333

Eco Science Professionals, Inc. Consulting Engineers
7000 Old Columbia Avenue, Suite 42007 711A (410) 852-0100 F (410) 852-0100
MD DEOR Q, III d P, Section 1
USACGS to VI d d Revised 7
C 100-101 1/1/03
John P. Orndorff

OWNER AND DEVELOPER

MR. & MRS. CHARLES FRITZCH
6 ROCKY GLEN COURT
BROCKEVILLE MD 20833

WETLAND DELINEATION, FOREST STAND DELINEATION & FOREST CONSERVATION PLAN
THE SPRINGS AT GLENWOOD
BUILDABLE LOTS 1 THRU 4, NON-BUILDABLE PRESERVATION PARCELS 'A' AND 'B', AND BUILDABLE PRESERVATION PARCEL 'C'
ZONING: RD-DEO
TAX MAP NO. H GRID No. 22 PARCEL No. 77 & 251
FORTH ELECTION DISTRICT HOWARD COUNTY MARYLAND
SCALE: 1"=50' DATE: JULY 30, 2009
SHEET 2 OF 2 **5P 09-005**