

Specimen Tree Chart

Project: Kings Arms Section 5

Date: February 23, 2011

(percentage) 0.15

Acres

0.0

8.0

0,4

0.4

No Arthur that the is contact on Dibatoti

Professional Certification. I heraby certify that these

of the State of Maryland.

SOIL TYPE

URBAN LAND-CHILLUM-BELTSVILLE COMPLEX, 5 TO 15 PERCENT SLOPES **

SOILS LEGEND

CHILLUM-RUSSETT LOAMS, 2 TO 5 PERCENT SLOPES

FALLSINGTON SAND LOAM, O TO 2 PERCENT SLOPES

SASSAFRAS LOAM, 5 TO 10 PERCENT SLOPES, **

** MODERATELY ERODIBLE TAKEN FROM HOWARD COUNTY SOILS SURVEY, ISSUED MAY 2008, MAP NO. 28

documents were prepared or approved by me, and that

I am a duly licensed professional engineer under the laws

Break-Even Point

Key	Species, Size	Condition	Proposed Impact/Comment		
Ą	Tulip poplar - 42" DBH	good	cleared to accommodate site development		
В	Box Elder - 36" DBH	fair	cleared to accommodate site development		
₩ ;	DON LIGOT OF DON	1	Lest will be made for removal of specimen tre		

NET TRACT AREA

A. Total tract area

. Net Tract Area

E. Afforestation Threshold

. Conservation Threshold

EXISTING FOREST COVER:

BREAK EVEN POINT:

B. Area within 100 Year Floodplain

C. Area to remain in agricultural production

ARA MDR IDA HDR MPD

Existing forest cover (excluding floodplain)

 Area of forest above afforestation threshold Area of forest above conservation threshold

K. Clearing permitted without mitigation

VI. Total area of forest to be Retained in FCE

Total reforestation and afforestation required

PROPOSED FOREST CLEARING

PLANTING REQUIREMENTS

Total reforestation required

Total afforestation required

POST-CONSTRUCTION MANAGEMENT PLAN

this plan and that the forest edge remains healthy and stable.

explaining the intent of the forest conservation law.

FOREST CONSERVATION EASEMENTS

D. Final Inspection

release the developer's bond.

management plan. 📝

B. General Site Inspections

J. Forest retention above threshold with no mitigation

Total area of forest to be Cleared or Retained Outside FCE

 Reforestation for clearing above Conservation Threshold Reforestation for clearing below Conservation Threshol Credit for retention above conservation threshold

Howard County requires a two year post-construction management plan be prepared as part of

certification of completion by the County. Eco-Science Professionals, or another qualified professional

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

Site inspections will be performed to insure that retention of the forest is met in accordance with

The developer will provide appropriate materials to property owners informing them of the location

At the end of the two year post-construction management period, Eco-Science Professionals, or

Easements are a legal means of providing permanent protection of forests, farmland and open

forest conservation easement will be recorded for the retention areas the subject property. Submission

space. In accordance with the criteria outlined in the Howard County Forest Conservation Manual, a

of the easements for recordation will occur prior to commencement of construction activities.

IAP SYMBOL SOIL GROUP

Conservation Program certification that all retention/afforestation requirements have been met. Upon

acceptance of this certification, the County will release the developer from all future obligations and

and purpose of the forest conservation easement. Materials may include site plans and information

another qualified professional, will submit to the administrator of the Howard County Forest

the Forest Conservation Plan. The plan goes into effect upon acceptance of the construction

designated by the developer, will be responsible for implementation of the post-construction

The following items will be incorporated into the plan for the subject property:

LAND USE CATEGORY: (from table 3.2.1, page 40, Manual)

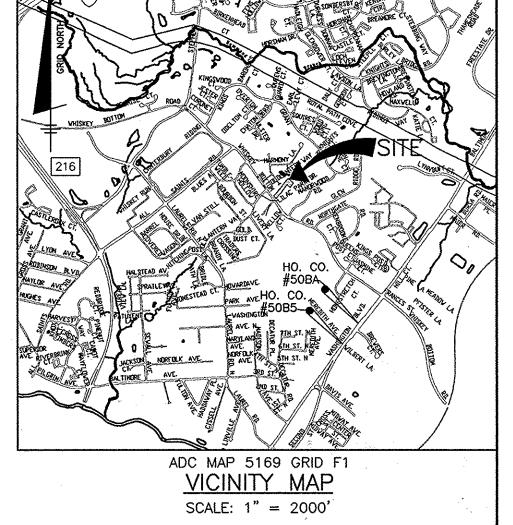
Forest Stand Data

1 01001 Otalia Data								
Key	Community Type	Acreage	Dominant Vegetation	General Condition	Priority Acreage			
Fi	Maple - Poplar	0.8	Acer rubrum, Linodendron tulipifera, Liquidambar styraciflua, Nyssa sylvatica	Good	0.7 wetland, buffers			

See accompanying report for complete stand descriptions
* Approximately 0.8 acres of offsite forest area is present within 100 feet of the property

FSD NOTES:

- 1. No rare, threatened or endangered species or their appropriate habitat were observed on the property.
- 2. Surrounding land use is mixed commercial and high density residential development
- 3. All forest on the site is within Stand F-1.

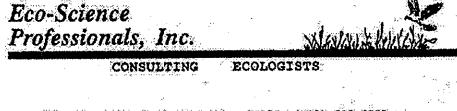


Wetland Data

WETLAND	COWARDIN	DOMINANT	ACREAGE
SYSTEM	CLASSIFICATION	VEGETATION	
A	PFO1C	Acer rubrum, Liquidambar styraciflua, Nyssa sylvatica, Magnolia virginiana, Viburnum dentatum, Vaccinium corymbosum, Osmunda cinnamomea, Onoclea sensibilis	9.7

NO.

- . ANY FOREST CONSERVATION EASEMENT (FCE) AREA SHOWN HEREON IS SUBJECT TO PROTECTIVE COVENANTS WHICH MAY BE FOUND IN THE LAND RECORDS OF HOWARD COUNTY WHICH RESTRICT THE DISTURBANCE AND USE OF THESE AREAS.
- FCE AND SHALL NOT BE SUBJECT TO PROTECTIVE LAND COVENANTS. 3. LIMITS OF DISTURBANCE SHALL BE RESTRICTED TO AREAS OUTSIDE THE LIMIT OF TEMPORARY
- FENCING OR THE FCE BOUNDARY, WHICHEVER IS GREATER.
- 4. THERE SHALL BE NO CLEARING, GRADING, CONSTRUCTION OR DISTURBANCE OF VEGETATION IN THE FOREST CONSERVATION EASEMENT, EXCEPT AS PERMITTED BY HOWARD COUNTY DPZ. 5. NO STOCKPILES, PARKING AREAS, EQUIPMENT CLEANING AREAS, ETC. SHALL OCCUR WITHIN
- AREAS DESIGNATED AS FOREST CONSERVATION EASEMENTS.
- 6. PERMANENT SIGNAGE SHALL BE PLACED 50-100' APART ALONG THE BOUNDARIES OF ALL AREAS INCLUDED IN FOREST CONSERVATION EASEMENTS. SIGNS SHALL BE MOUNTED ON A PERMANENT WOOD POST OR METAL STAKE. FCE SIGNS SHALL NOT BE ATTACHED TO TREES. 8. THIS PLAN COMPLIES WITH THE REQUIREMENTS OF SECTION 16.1200 OF THE HOWARD COUNTY CODE
- FOR FOREST CONSERVATION BY THE ON-SITE RETENTION OF 0.69 ACRES OF FOREST RESOURCES WITHIN OPEN SPACE LOT 6, IN EXCESS OF THE BREAK EVEN POINT OF 0.5 ACRES REQUIRED FOR THIS SUBDIVISION. A DEED OF FOREST CONSERVATION EASEMENT AND FOREST CONSERVATION AGREEMENT HAVE BEEN EXECUTED WITH THE DEVELOPER AGREEMENT FOR F-12-019. 9. THE FOREST CONSERVATION EASEMENT HAS BEEN ESTABLISHED TO FULFILL THE REQUIREMENTS
- OF SECTION 16.1200 OF THE HOWARD COUNTY CODE AND FOREST CONSERVATION ACT. NO CLEARING, GRADING OR CONSTRUCTION IS PERMITTED WITHIN THE FOREST CONSERVATION EASEMENT; HOWEVER, FOREST MANAGEMENT PRACTICES AS DEFINED IN THE DEED OF FOREST CONSERVATION EASEMENT ARE ALLOWED.



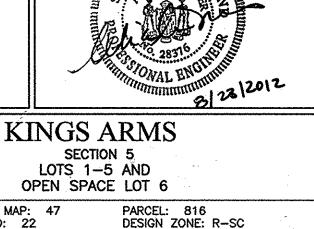
USACOE Wetland Delineator erufication # Property MD0610044112

P.O. Box 5006 Gren Arm, NO. 21057 (410) 592-6752

DATE REVISION **BENCHMARK** ENGINEERS A LAND SURVEYORS A PLANNERS

ENGINEERING, INC. 8480 BALTIMORE NATIONAL PIKE A SUITE 418 A ELLICOTT CITY, MARYLAND 21043 (P) 410-465-6105 (F) 410-465-6644

60 THOMAS JOHNSON DRIVE ▲ FREDERICK, MARYLAND 21702 (P) 301-371-3505 (F) 301-371-3506 WWW.BEI-CIVILENGINEERING.COM



OWNER/DEVELOPER: SECURITY DEVELOPMENT LLC PO BOX 417 SUITE 100 ELLICOTT CITY, MARYLAND 21041 410-465-4244 ATT: STEVE BREEDEN			KINGS ARMS SECTION 5 LOTS 1-5 AND OPEN SPACE LOT 6					
					ELECTION DIS	PARCEL: 816 DESIGN ZONE: R TRICT NO. 6 TY, MARYLAND	-sc	
			Р	FORES	ST CO NOTES	NSERVATION AND DET	ON AILS	
			DATE:	FEBRUARY AUGUST		PROJECT NO.	236	4
DESIGN: AAM	DRAFT: AAM	CHECK: JC	SCALE:	1" = 3	0,	SHEET 4	OF	4

CHECK: JC | SCALE: AS-BUILT

F-12-019