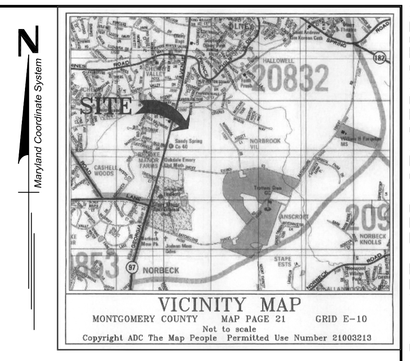

PRELIMINARY NOT FOR CONSTRUCTION

Subject Property Information

Tax Map(s): HT561

Lots / Parcels: P.771, Tax Acct #8-00723142

Property Area: 37.68 Acres +/-

Zone: RNC

General Notes:

1. For additional property information, see NRI/FSD #4-20120150, approved December 22, 2011.
2. This plan is for Forest Conservation purposes only.
3. Boundary information is from a boundary survey conducted by Rodgers Consulting, Inc. in October, 2012.
4. The topography hereon is shown in 2' contour interval and was obtained from aerial photogrammetry.
5. 100-year floodplain as shown is from a study by CPJ, approved 3/16/11 by Montgomery County DPS.
6. Wetlands as shown were delineated by Klebasco Environmental LLC.
7. The site contains two unnamed stream tributaries that drain to Northwest Branch watershed, Class IV.
8. Historic resource "Berry-Mackall House, MHT designated M23-104 is located on adjacent Parcel 638.
9. The site is within the Olney Master Plan area.
10. Prior to construction, forest retention areas shall be protected with fencing and signage as shown on plan.
11. Preliminary Forest Conservation Plan (S-2841) was conditionally approved October 3, 2013.

Legend

- Site Boundary
- Stream Valley Buffer
- 100 yr Floodplain
- 25' Floodplain BRL
- Non-Tidal Wetlands
- Non-Tidal Wetland Buffer
- Soils Lines and Text
- Significant Tree and Critical Root Zone (CRZ)
- Ex. Significant Tree to be removed
- Historic Property Variance-subject Tree
- Existing Canopy Edge
- Forest Stand Line
- Perennial or Intermittent Stream
- Existing Contours (16, 18, 20, 22)
- Proposed Contours (16, 18, 20, 22)
- Limit of Disturbance (LOD)
- Prop. Category 1 Forest Conservation Easement
- Forest Retention
- Forest Clearing
- Slopes 15% - <25%
- Slopes 25%+

DEVELOPERS CERTIFICATE

The Undersigned agrees to execute all the features of the Approved Final Forest Forest Conservation Plan No. 820140100, including, financial bonding, forest planting, maintenance, and all other applicable agreements.

Developer's Name: HHHunt Corporation (Printed Company Name)

Contact Person: W. R. "Bo" Cook, Jr. (Printed Name)

Address: 1401 Sunday Drive, Suite 109, Raleigh, NC 27607

Phone and Email: Ph. 919-461-0587 / brcook@hhhunt.com

Signature:

FOR LOCATION OF UTILITIES CALL "MISS UTILITY" AT 1-800-257-7777 OR LOG ON TO http://www.missutility.net/itics/ 48 Hours in Advance of Any Work in This Vicinity

Final Forest Conservation Plan

REVISION	DATE	REVISION	DATE	REVISION	DATE

SPRING ARBOR OLNEY
APPLICANT:
HHHUNT
117 EDINBURG SOUTH
SUITE 100
CARY, NC 27511
PHONE: 919.461.0587
CONTACT: BO COOK

FINAL FOREST CONSERVATION PLAN

RODGERS CONSULTING
Knowledge • Creativity • Enduring Values
19847 Century Boulevard
Suite 200
Germantown, Maryland 20874
Ph: 301.948.4700 (Main)
Ph: 301.253.6609 (Frederick)
Fx: 301.948.6256
www.rodgers.com

	BY	DATE
BASE DATA		
DESIGNED		
DRAWN		
REVIEWED		

RODGERS CONTACT:

RELEASE FOR

BY _____ DATE _____

SPRING ARBOR OLNEY

P. 771 L. 22171 F. 555
OLNEY (8TH) ELECTION DISTRICT
MONTGOMERY COUNTY, MARYLAND

SCALE: 1"=80'
JOB No. 1133A
DATE: Feb. 2014
SHEET No. 1 OF 4

FFCP PLAN

PRELIMINARY NOT FOR CONSTRUCTION

Legend

- Site Boundary
- Stream Valley Buffer
- 100 yr Floodplain
- 25' Floodplain BRL
- Non-Tidal Wetlands
- Non-Tidal Wetland Buffer
- Soils Lines and Text
- Significant Tree and Critical Root Zone (CRZ)
- Ex. Tree to be removed
- Historic Property Variance Tree
- Existing Canopy Edge
- Forest Stand Line
- Perennial or Intermittent Stream
- Existing Contours
- Proposed Contours
- Limit of Disturbance (LOD)
- Prop. Category 1 Forest Conservation Easement
- Forest Retention
- Forest Clearing
- Slopes 15% - <25%
- Slopes 25% +
- Tree Protection Fence And Permanent Signage (100' spacing, TP)

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Printed Name

Address: 1401 Sunday Drive, Suite 109, Raleigh, NC 27607

Phone and Email: Ph. 919-461-0587 / brcook@hhhunt.com

Signature:

STATE OF MARYLAND
BRIAN R. CORNELL
No. 3000
LANDSCAPE ARCHITECT
LICENSED PROFESSIONAL

Final Forest Conservation Plan

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OR LOG ON TO
http://www.missutility.net/itics/
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REVISION	DATE	REVISION	DATE	REVISION	DATE

SPRING ARBOR OLNEY
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HHHUNT
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SUITE 100
CARY, NC 27511
PHONE: 919 461 0587
CONTACT: BO COOK

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www.rodgers.com

	BY	DATE
BASE DATA		
DESIGNED		
DRAWN		
REVIEWED		
RODGERS CONTACT:		

RELEASE FOR
BY _____ DATE _____

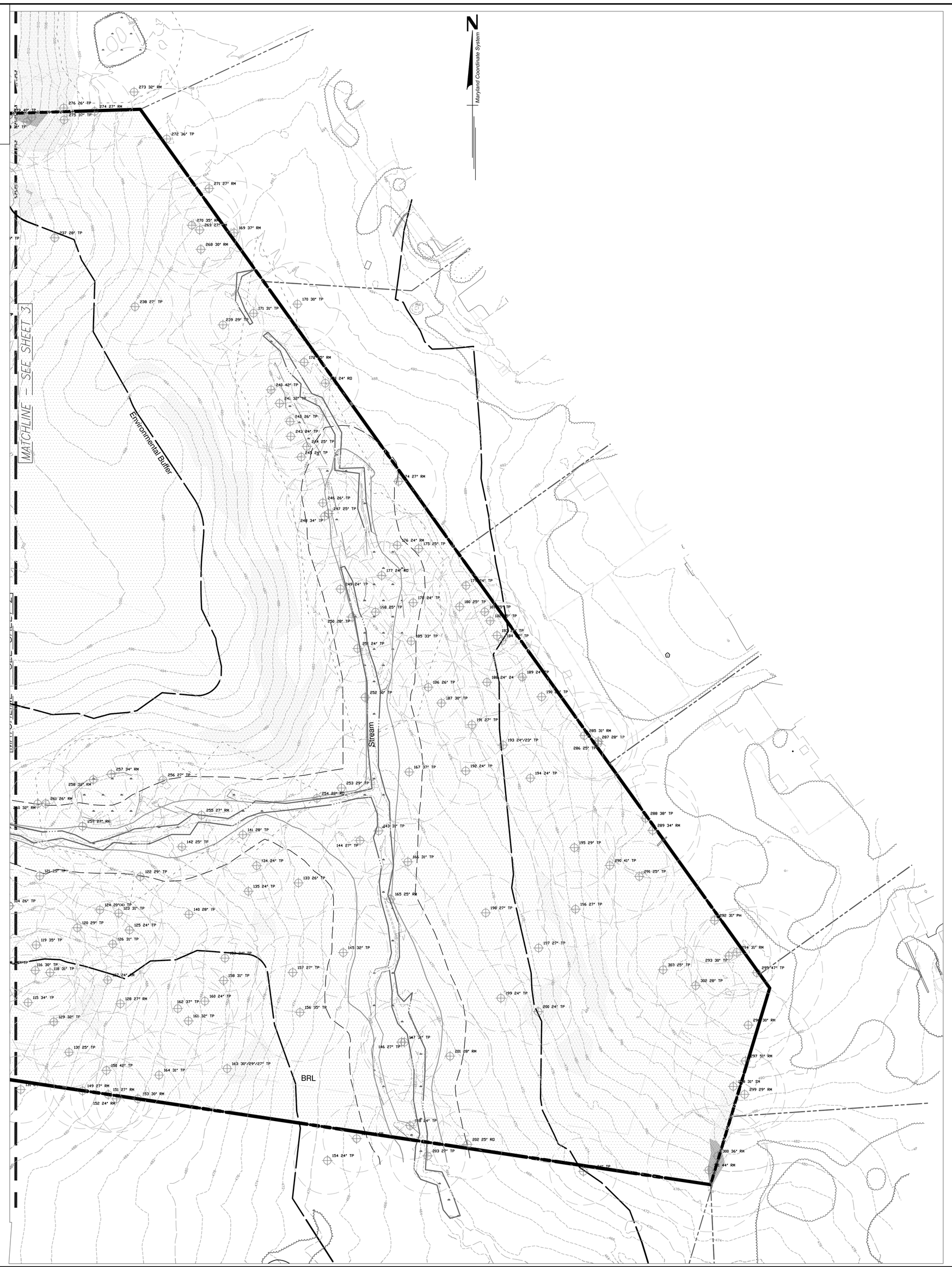
SPRING ARBOR OLNEY

OLNEY (8TH) ELECTION DISTRICT
MONTGOMERY COUNTY, MARYLAND

SCALE: 1"=50'
JOB No. 1133A
DATE: Feb. 2014
SHEET No. 2 OF 4

FFCP PLAN

PRELIMINARY NOT FOR CONSTRUCTION



Legend

- Site Boundary
- Stream Valley Buffer
- 100 yr Floodplain
- 25' Floodplain BRL
- Non-Tidal Wetlands
- Non-Tidal Wetland Buffer
- Soils Lines and Text
- Significant Tree and Critical Root Zone (CRZ)
- Ex. Tree to be removed
- Historic Property Variance Tree
- Existing Canopy Edge
- Forest Stand Line
- Perennial or Intermittent Stream
- Existing Contours
- Proposed Contours
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- Prop. Category 1 Forest Conservation Easement
- Forest Retention
- Forest Clearing
- Slopes 15% - <25%
- Slopes 25%+

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Final Forest Conservation Plan

REVISION	DATE	REVISION	DATE	REVISION	DATE

SPRING ARBOR OLNEY
APPLICANT:
HHHUNT
117 EDINBURG SOUTH
SUITE 100
CARY, NC 27511
PHONE: 919 461 0587
CONTACT: BO COOK

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	BY	DATE
BASE DATA		
DESIGNED		
DRAWN		
REVIEWED		

RODGERS CONTACT:

RELEASE FOR

BY _____ DATE _____

SPRING ARBOR OLNEY

OLNEY (8TH) ELECTION DISTRICT
MONTGOMERY COUNTY, MARYLAND

SCALE: 1"=50'
JOB No. 1133A
DATE: Feb. 2014
SHEET No. 3 OF 4

FCP PLAN

Significant Tree List

	TAG No.	COMMON NAME	SCIENTIFIC NAME	DBH	HEALTH	COMMENTS
*	1	Tulip Poplar	Liriodendron tulipifera	44	Good	Specimen
*	2	Tulip Poplar	Liriodendron tulipifera	36	Good	Specimen
	3	Tulip Poplar	Liriodendron tulipifera	24	Poor	Dead Limbs-overgrown vines
*	4	Tulip Poplar	Liriodendron tulipifera	41	Good	Twin/ Dead Limbs
*	5	Tulip Poplar	Liriodendron tulipifera	39	Fair	Twin Dead Limbs-vines
	6	Tulip Poplar	Liriodendron tulipifera	24	Good	Vines
	7	Tulip Poplar	Liriodendron tulipifera	24	Good	
	8	Tulip Poplar	Liriodendron tulipifera	25	Fair	Off site
	9	Tulip Poplar	Liriodendron tulipifera	29	Poor	Off site-Dead limbs
*	10	Tulip Poplar	Liriodendron tulipifera	36	Poor	Off site-Dead limbs
*	11	Tulip Poplar	Liriodendron tulipifera	31	Fair	Specimen/Off site-vines
*	12	Tulip Poplar	Liriodendron tulipifera	32	Fair	Specimen/Off site-vines
	13	Tulip Poplar	Liriodendron tulipifera	29	Fair	Off site-Dead limbs
*	14	Red Maple	Acer rubrum	33	Dead	
	15	Tulip Poplar	Liriodendron tulipifera	24	Fair	overgrown vines
*	16	Tulip Poplar	Liriodendron tulipifera	30	Fair	Specimen-overgrown vines
*	17	Tulip Poplar	Liriodendron tulipifera	34	Fair	Specimen-overgrown vines
	18	Tulip Poplar	Liriodendron tulipifera	25	Fair	overgrown vines
	19	Tulip Poplar	Liriodendron tulipifera	24	Fair	overgrown vines
	20	Tulip Poplar	Liriodendron tulipifera	24	Fair	overgrown vines
	21	Tulip Poplar	Liriodendron tulipifera	24	Fair	Canker
	22	Tulip Poplar	Liriodendron tulipifera	28	Poor	dead limbs
	23	Tulip Poplar	Liriodendron tulipifera	26	Fair	dead limbs
*	24	American Elm	Ulmus Americana	34	Good	Specimen
	25	Tulip Poplar	Liriodendron tulipifera	24	Good	
	26	Tulip Poplar	Liriodendron tulipifera	27	Good	
	27	Tulip Poplar	Liriodendron tulipifera	27	Good	
	28	Tulip Poplar	Liriodendron tulipifera	24	Good	
	29	Tulip Poplar	Liriodendron tulipifera	25	Good	
	30	Tulip Poplar	Liriodendron tulipifera	24	Good	
*	31	Tulip Poplar	Liriodendron tulipifera	33	Fair	Specimen-overgrown vines
*	32	Tulip Poplar	Liriodendron tulipifera	44	Dead	
*	33	Tulip Poplar	Liriodendron tulipifera	32	Good	Specimen
	34	Tulip Poplar	Liriodendron tulipifera	25	Fair	overgrown vines
	35	Tulip Poplar	Liriodendron tulipifera	28	Fair	overgrown vines
	36	Tulip Poplar	Liriodendron tulipifera	24	Fair	overgrown vines
	37	Tulip Poplar	Liriodendron tulipifera	24	Fair	Dead limbs
	38	Tulip Poplar	Liriodendron tulipifera	25	Fair	Dead limbs
	39	Tulip Poplar	Liriodendron tulipifera	26	Fair	Dead limbs
*	40	Tulip Poplar	Liriodendron tulipifera	32	Fair	Specimen-Dead limbs
	41	Red Maple	Acer rubrum	24	Fair	Dead limbs
	42	Tulip Poplar	Liriodendron tulipifera	27	Good	
	43	Tulip Poplar	Liriodendron tulipifera	28	Fair	Dead limbs
	44	Tulip Poplar	Liriodendron tulipifera	25	Fair	Dead limbs
*	45	Tulip Poplar	Liriodendron tulipifera	32	Good	
	46	Tulip Poplar	Liriodendron tulipifera	24/25	Poor	Twin-Dead limbs
	47	Tulip Poplar	Liriodendron tulipifera	29	Fair	Dead limbs
	48	Tulip Poplar	Liriodendron tulipifera	25	Fair	Dead limbs
	49	Tulip Poplar	Liriodendron tulipifera	24	Good	
	50	Tulip Poplar	Liriodendron tulipifera	27	Good	
*	51	Tulip Poplar	Liriodendron tulipifera	30	Fair	Twin-2nd <24"Dead limbs
	52	Red Maple	Acer rubrum	25	Good	
*	53	Tulip Poplar	Liriodendron tulipifera	31	Poor	Dead limbs
	54	Tulip Poplar	Liriodendron tulipifera	25	Fair	Barbwire fence in bark
	55	Tulip Poplar	Liriodendron tulipifera	26	Fair	Barbwire fence in bark
	56	Tulip Poplar	Liriodendron tulipifera	29	Fair	Barbwire fence in bark
	57	Tulip Poplar	Liriodendron tulipifera	27	Good	overgrown vines
	58	Tulip Poplar	Liriodendron tulipifera	27	Good	overgrown vines
	59	Tulip Poplar	Liriodendron tulipifera	26	Good	overgrown vines
	60	Tulip Poplar	Liriodendron tulipifera	25	Good	
	61	Tulip Poplar	Liriodendron tulipifera	26	Good	overgrown vines
	62	Tulip Poplar	Liriodendron tulipifera	27	Good	overgrown vines
	63	Tulip Poplar	Liriodendron tulipifera	26	Good	
	64	Red Maple	Acer rubrum	24	Fair	Quad-Dead Limbs
	65	Red Maple	Acer rubrum	28	Fair	Twin-Dead limbs
	66	Tulip Poplar	Liriodendron tulipifera	27	Good	
	67	Tulip Poplar	Liriodendron tulipifera	24	Good	
*	68	Tulip Poplar	Liriodendron tulipifera	38	Good	Specimen
*	69	Tulip Poplar	Liriodendron tulipifera	37	Good	Specimen
*	70	Tulip Poplar	Liriodendron tulipifera	38	Good	Specimen
	71	Tulip Poplar	Liriodendron tulipifera	33	Good	Specimen
	72	Red Maple	Acer rubrum	26	Fair	Barbwire fence in bark
*	73	Tulip Poplar	Liriodendron tulipifera	34	Good	Specimen
*	74	Red Maple	Acer rubrum	36	Fair	Specimen Barbwire in bark
*	75	Tulip Poplar	Liriodendron tulipifera	34	Dead	
*	76	Tulip Poplar	Liriodendron tulipifera	30	Good	Specimen
	77	Tulip Poplar	Liriodendron tulipifera	27	Good	
	78	Tulip Poplar	Liriodendron tulipifera	29	Fair	Twin Dead Limbs
*	79	Red Maple	Acer rubrum	31	Good	Specimen
*	80	Red Maple	Acer rubrum	34	Fair	Specimen Specimen Roots exposed
*	81	Red Maple	Acer rubrum	31	Fair	stream bank
	82	Red Maple	Acer rubrum	25	Fair	Dead Limbs-vines
	83	Red Maple	Acer rubrum	29	Fair	Dead Limbs-vines
	84	Tulip Poplar	Liriodendron tulipifera	27	Good	
	85	Tulip Poplar	Liriodendron tulipifera	26	Good	
*	86	Tulip Poplar	Liriodendron tulipifera	34	Good	Specimen
	87	Tulip Poplar	Liriodendron tulipifera	24	Fair	Barbwire fence in bark
*	88	Red Maple	Acer rubrum	30	Fair	Specimen Barbwire in bark
	89	Red Maple	Acer rubrum	26	Good	
*	90	Tulip Poplar	Liriodendron tulipifera	36	Good	Specimen
	91	Tulip Poplar	Liriodendron tulipifera	28	Good	
	92	Tulip Poplar	Liriodendron tulipifera	26	Good	
	93	Tulip Poplar	Liriodendron tulipifera	24	Good	
	94	Tulip Poplar	Liriodendron tulipifera	28	Good	
	95	Tulip Poplar	Liriodendron tulipifera	25	Good	
*	96	Tulip Poplar	Liriodendron tulipifera	27/32	Fair	Twin Dead limbs
*	97	Tulip Poplar	Liriodendron tulipifera	30	Fair	Specimen
	98	Tulip Poplar	Liriodendron tulipifera	29	Poor	Dead limb
*	99	Tulip Poplar	Liriodendron tulipifera	33	Fair	Specimen Barbwire in bark
*	100	Tulip Poplar	Liriodendron tulipifera	36	Good	Specimen
	101	Tulip Poplar	Liriodendron tulipifera	25	Good	
	102	Tulip Poplar	Liriodendron tulipifera	25	Good	
	103	Tulip Poplar	Liriodendron tulipifera	26	Good	
	104	Tulip Poplar	Liriodendron tulipifera	26	Good	
	105	Tulip Poplar	Liriodendron tulipifera	25	Good	
	106	Tulip Poplar	Liriodendron tulipifera	27	Good	
*	107	Tulip Poplar	Liriodendron tulipifera	32	Good	Specimen
*	108	Tulip Poplar	Liriodendron tulipifera	32	Good	Specimen
*	109	Red Maple	Acer rubrum	33	Good	Specimen
	110	Red Maple	Acer rubrum	25	Fair	Off site overgrown in vines
	111	Red Maple	Acer rubrum	27	Fair	Off site overgrown in vines
*	112	Tulip Poplar	Liriodendron tulipifera	30	Fair	Specimen overgrown in vines
	113	Tulip Poplar	Liriodendron tulipifera	24	Dead	
	114	Tulip Poplar	Liriodendron tulipifera	26	Good	
*	115	Tulip Poplar	Liriodendron tulipifera	34	Good	Specimen
*	116	Tulip Poplar	Liriodendron tulipifera	30	Good	Specimen
	117	Tulip Poplar	Liriodendron tulipifera	25	Good	
*	118	Tulip Poplar	Liriodendron tulipifera	31	Good	Specimen
*	119	Tulip Poplar	Liriodendron tulipifera	35	Good	Specimen
	120	Tulip Poplar	Liriodendron tulipifera	29	Good	
	121	Tulip Poplar	Liriodendron tulipifera	25	Good	
	122	Tulip Poplar	Liriodendron tulipifera	29	Good	
*	123	Tulip Poplar	Liriodendron tulipifera	31	Good	Specimen
	124	Tulip Poplar	Liriodendron tulipifera	20 (4)	Fair	Quad Dead limbs
	125	Tulip Poplar	Liriodendron tulipifera	24	Good	
*	126	Tulip Poplar	Liriodendron tulipifera	31	Good	Specimen
	127	Red Maple	Acer rubrum	24	Good	
	128	Red Maple	Acer rubrum	27	Good	
*	129	Tulip Poplar	Liriodendron tulipifera	32	Good	Specimen
	130	Tulip Poplar	Liriodendron tulipifera	25	Good	
	131	Tulip Poplar	Liriodendron tulipifera	24	Good	
	132	Tulip Poplar	Liriodendron tulipifera	25	Good	Off site
	133	Tulip Poplar	Liriodendron tulipifera	26	Poor	Dead limbs
	134	Tulip Poplar	Liriodendron tulipifera	24	Good	
	135	Tulip Poplar	Liriodendron tulipifera	24	Good	
*	136	White Oak	Quercus alba	31	Good	Specimen
*	137	White Ash	Fraxinus americana	44	Good	Specimen
	138	Red Maple	Acer rubrum	29	Good	
*	139	White Ash	Fraxinus americana	37	Dead	Fallen
	140	Tulip Poplar	Liriodendron tulipifera	28	Fair	Vines
	141	Tulip Poplar	Liriodendron tulipifera	28	Fair	Roots exposed in stream bank
	142	Tulip Poplar	Liriodendron tulipifera	25	Fair	Roots exposed in stream bank Specimen Roots exposed
*	143	Tulip Poplar	Liriodendron tulipifera	31	Fair	stream bank
	144	Tulip Poplar	Liriodendron tulipifera	27	Fair	overgrown vines
*	145	Tulip Poplar	Liriodendron tulipifera	32	Good	Specimen
	146	Tulip Poplar	Liriodendron tulipifera	27	Fair	
*	147	Tulip Poplar	Liriodendron tulipifera	31	Fair	Specimen
	148	Tulip Poplar	Liriodendron tulipifera	24	Fair	Vines
	149	Red Maple	Acer rubrum	27	Good	
*	150	Tulip Poplar	Liriodendron tulipifera	42	Fair	Specimen Barbwire in bark

* denotes tree subject to Variance requirements

Variance-Subject Trees on Adjacent Historic Lot

TAG No.	COMMON NAME	SCIENTIFIC NAME	DBH
24H	Tulip Poplar	Liriodendron tulipifera	13
28H	Black Walnut	Juglans nigra	13
30H	Mulberry	Morus spp.	7
48H	Black Walnut	Juglans nigra	6
50H	Black Walnut	Juglans nigra	14
61H	Green Ash	Fraxinus pennsylvanica	11
64H	Black Walnut	Juglans nigra	6
65H	Elm	Ulmus spp.	37

Forest Conservation Worksheet

FOREST CONSERVATION WORKSHEET
Spring Arbor

5-Aug-02

NET TRACT AREA:

A. Total tract area ...		37.68
B. Land dedication acres (parks, county facility, etc.) ...	Fire House	0.11
C. Land dedication for roads or utilities (not being constructed by this plan) ...		0.00
D. Area to remain in commercial agricultural production/use ...		0.00
E. Other deductions (specify) ..... Increase in tract area for offsite Improvements		-0.28
F. Net Tract Area .....=		37.85

LAND USE CATEGORY: (from *Trees Technical Manual*)
Input the number "1" under the appropriate land use, limit to only one entry.

ARA	MDR	IDA	HDR	MPD	CIA
0	0	1	0	0	0

G. Afforestation Threshold ...	15%	x F =	5.68
H. Conservation Threshold ...	20%	x F =	7.57

EXISTING FOREST COVER:

I. Existing forest cover .....=	35.15
J. Area of forest above afforestation threshold .....=	29.47
K. Area of forest above conservation threshold .....=	27.58

BREAK EVEN POINT:

L. Forest retention above threshold with no mitigation ....=	13.09
M. Clearing permitted without mitigation .....=	22.06

PROPOSED FOREST CLEARING:

N. Total area of forest to be cleared .....=	7.92
O. Total area of forest to be retained .....=	27.23

PLANTING REQUIREMENTS:

P. Reforestation for clearing above conservation threshold ....=	1.98
Q. Reforestation for clearing below conservation threshold ....=	0.00
R. Credit for retention above conservation threshold .....=	19.66
S. Total reforestation required .....=	0.00
T. Total afforestation required .....=	0.00
U. Credit for landscaping (may not exceed 20% of "5") .....=	0.00
V. Total reforestation and afforestation required .....=	0.00

Forest Conservation Banking

THIS PLAN HEREBY ESTABLISHES A FOREST CONSERVATION BANK OF 13.48 ACRES OF EXISTING FOREST.

FOREST CONSERVATION BANK: SPRING ARBOR OLNEY

ACREAGE OF TOTAL FOREST RETAINED:	27.23
ACREAGE OF FORESTED STREAM VALLEY BUFFER:	13.75
ACREAGE OF BREAK EVEN POINT:	13.09
ACREAGE OF EXISTING FOREST AVAILABLE FOR BANKING:	13.48

Forest Conservation Data Table

	Number of Acres
Tract	37.7
Remaining in Agricultural Use	-
Road & Utility ROWs[1]	-
Total Existing Forest	35.2
Forest Retention	27.2
Forest Cleared	7.9

Land Use & Thresholds[2]

Land Use Category	IDA	ARA, MDR, IDA, HDR, MDP, or CIA.
Conservation Threshold	20%	percent
Afforestation Threshold	15%	percent

	Total Channel Length (ft.)	Average Buffer Width (ft.)[3]
Stream(s)	1,100	300

Acres of Forest in	Retained	Cleared	Planted
Wetlands	1.58	-	-
100-Year Floodplain	1.15	-	-
Stream Buffers	13.75	-	-
Priority Areas	13.75	-	-

[1] Only Road or Utility ROWs not to be improved as part of development application.
[2] Information from FC Land Use Categories & Thresholds document.
[3] Measured from stream edge to buffer edge.

Tree Save Plans and Forest Conservation Plans without Planting Requirements

All field inspections must be requested by the applicant. Inspections must be conducted as follows:

1. After the limits of disturbance have been staked and flagged, but before any clearing or grading begins.
2. After necessary stress reduction measures have been completed and protection measures have been installed, but before any clearing and grading begin.
3. After completion of all construction activities, but before removal of tree protection fencing, to determine the level of compliance with the provisions of the forest conservation plan.

Sequence of Events for Property Owners Required to Comply With Forest Conservation and/or Tree-Save Plans

Pre-Construction

1. An on-site pre-construction meeting is required after the limits of disturbance have been staked and flagged, but before any clearing or grading begins. The property owner should contact the Montgomery County Planning Department inspection staff before construction to verify the limits of disturbance and discuss tree protection and tree care measures. The developer's representative, construction superintendent, ISA certified arborist or Maryland-licensed tree expert that will implement the tree protection measures, forest conservation inspector, and Department of Permitting Services (DPS) sediment control inspector should attend this pre-construction meeting.

2. No clearing or grading shall begin before stress-reduction measures have been implemented. Appropriate measures may include, but are not limited to:
   a. Root pruning
   b. Crown reduction or pruning
   c. Watering
   d. Fertilizing
   e. Vertical mulching
   f. Root aeration matting

   Measures not specified on the forest conservation plan may be required as determined by the forest conservation inspector in coordination with the arborist.

3. A Maryland-licensed tree expert or an International Society of Arboriculture-certified arborist must perform all stress reduction measures. Documentation of stress reduction measures must be either observed by the forest conservation inspector or sent to the inspector at 8787 Georgia Avenue, Silver Spring, MD 20910. The forest conservation inspector will determine the exact method to convey the stress reductions measures during the pre-construction meeting.

4. Temporary tree protection devices shall be installed per the Forest Conservation Plan/Tree Save Plan and prior to any construction activities. Tree protection fencing locations should be staked prior to the pre-construction meeting. The forest conservation inspector, in coordination with the DPS sediment control inspector, may make field adjustments to increase the survivability of trees and forest shown as saved on the approved plan. Temporary tree protect devices may include:
   a. Chain link fence (four feet high)
   b. Super silt fence with wire strung between support poles (minimum 4 feet high) with high visibility flagging.
   c. 14 gauge 2 inch x 4 inch welded wire fencing supported by steel T-bar posts (minimum 4 feet high) with high visibility flagging.

5. Temporary protection devices shall be maintained and installed by the contractor for the duration of construction project and must not be altered without prior approval from the forest conservation inspector. No equipment, trucks, materials, or debris may be stored within the tree protection fence areas during the entire construction project. No vehicle or equipment access to the fenced area will be permitted. Tree protection shall not be removed without prior approval of forest conservation inspector.

6. Forest retention area signs shall be installed as required by the forest conservation inspector, or as shown on the approved plan.

7. Long-term protection devices will be installed per the Forest Conservation Plan/Tree Save Plan and attached details. Installation will occur at the appropriate time during the construction project. Refer to the plan drawing for long-term protection measures to be installed.

During Construction

8. Periodic inspections by the forest conservation inspector will occur during the construction project. Corrections and repairs to all tree protection devices, as determined by the forest conservation inspector, must be made within the timeframe established by the inspector.

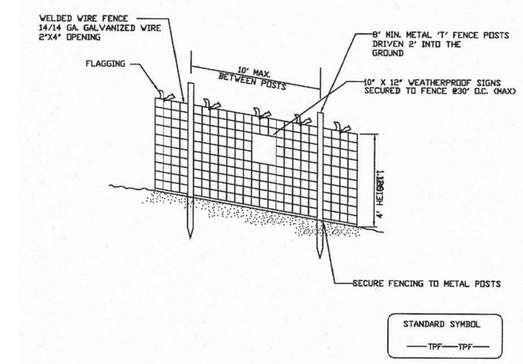
Post-Construction

9. After construction is completed, an inspection shall be requested. Corrective measures may include:
   a. Removal and replacement of dead and dying trees
   b. Pruning of dead or declining limbs
   c. Soil aeration
   d. Fertilization
   e. Watering
   f. Wound repair
   g. Clean up of retention areas

10. After inspection and completion of corrective measures have been undertaken, all temporary protection devices shall be removed from the site. Removal of tree protection devices that also operate for erosion and sediment control must be coordinated with both the Department of Permitting Services and the forest conservation inspector. No additional grading, sodding, or burial may take place after the tree protection fencing is removed.

Tree Protection Fence Detail

Not to scale



NOTES

1. Practice may be combined with sediment control fencing.
2. Location and limits of fencing should be coordinated in field with arborist.
3. Boundaries of protection area should be staked prior to installing protective device.
4. Root damage should be avoided.
5. Protection signage is required.
6. Fencing shall be maintained throughout construction.

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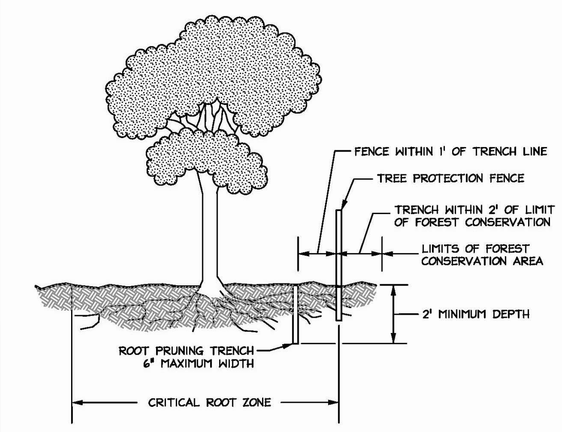
DETAIL – ROOT PRUNING

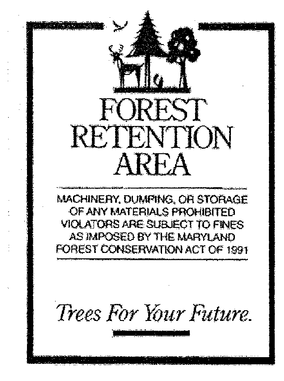


NOTES:

1. Retention Areas to be established as part of the forest conservation plan review process.
2. Boundaries of Retention Areas to be staked, flagged and/or fenced prior to trenching.
3. Exact location of trench should be identified.
4. Trench should be immediately backfilled with soil removed or organic soil.
5. Roots should be cleanly cut using vibratory knife or other acceptable equipment.

Source: Adapted from Steve Clark & Associates/ACRT, Inc. and Forest Conservation Manual, 1991.

NO SCALE



SIGNAGE

Style 21 – Specifications

Size: 11"x15"
Material: HDPE Plastic (.050g)
Color: Green on White Background
Finish: 2 mounting holes, top and bottom center

DEVELOPERS CERTIFICATE

The Undersigned agrees to execute all the features of the Approved Final Forest Forest Conservation Plan No. 820140100, including, financial bonding, forest planting, maintenance, and all other applicable agreements.

Developer's Name:	HHHunt Corporation Printed Company Name
Contact Person:	W. R. "Bo" Cook, Jr. Printed Name
Address:	1401 Sunday Drive, Suite 109, Raleigh, NC 27607
Phone and Email:	Ph. 919-461-0587 / brcook@hhhunt.com
Signature:	

CALL "MISS UTILITY" AT 1-800-257-7777
48 Hours Before Start Of Construction

The excavator must notify all public utility companies with underground facilities in the area of proposed excavation and have those facilities located by the utility companies prior to commencing excavation. The excavator is responsible for compliance with requirements of Chapter

REVISION	DATE	REVISION	DATE	REVISION	DATE

SPRING ARBOR OLNEY
APPLICANT:
HHHUNT
117 EDINBURG SOUTH
SUITE 100
CARY, NC 27511
PHONE: 919 461 0587
CONTACT: BO COOK

FINAL FOREST CONSERVATION PLAN

RODGERS CONSULTING
Knowledge • Creativity • Enduring Values
19847 Century Boulevard
Suite 200
Germantown, Maryland 20874
Ph: 301.948.4700 (Main)
Ph: 301.253.6609 (Frederick)
Fax: 301.948.6256
www.rodgers.com

	BY	DATE
BASE DATA		
DESIGNED		
DRAWN		
REVIEWED		

RODGERS CONTACT:
RELEASE FOR
BY _____ DATE _____

Final Forest Conservation Plan

SPRING ARBOR OLNEY

OLNEY (8TH) ELECTION DISTRICT
MONTGOMERY COUNTY, MARYLAND

SCALE: n/a
JOB No. 1133A
DATE: Feb. 2014
SHEET No. 4 OF 4

FFCP PLAN

PRELIMINARY NOT FOR CONSTRUCTION