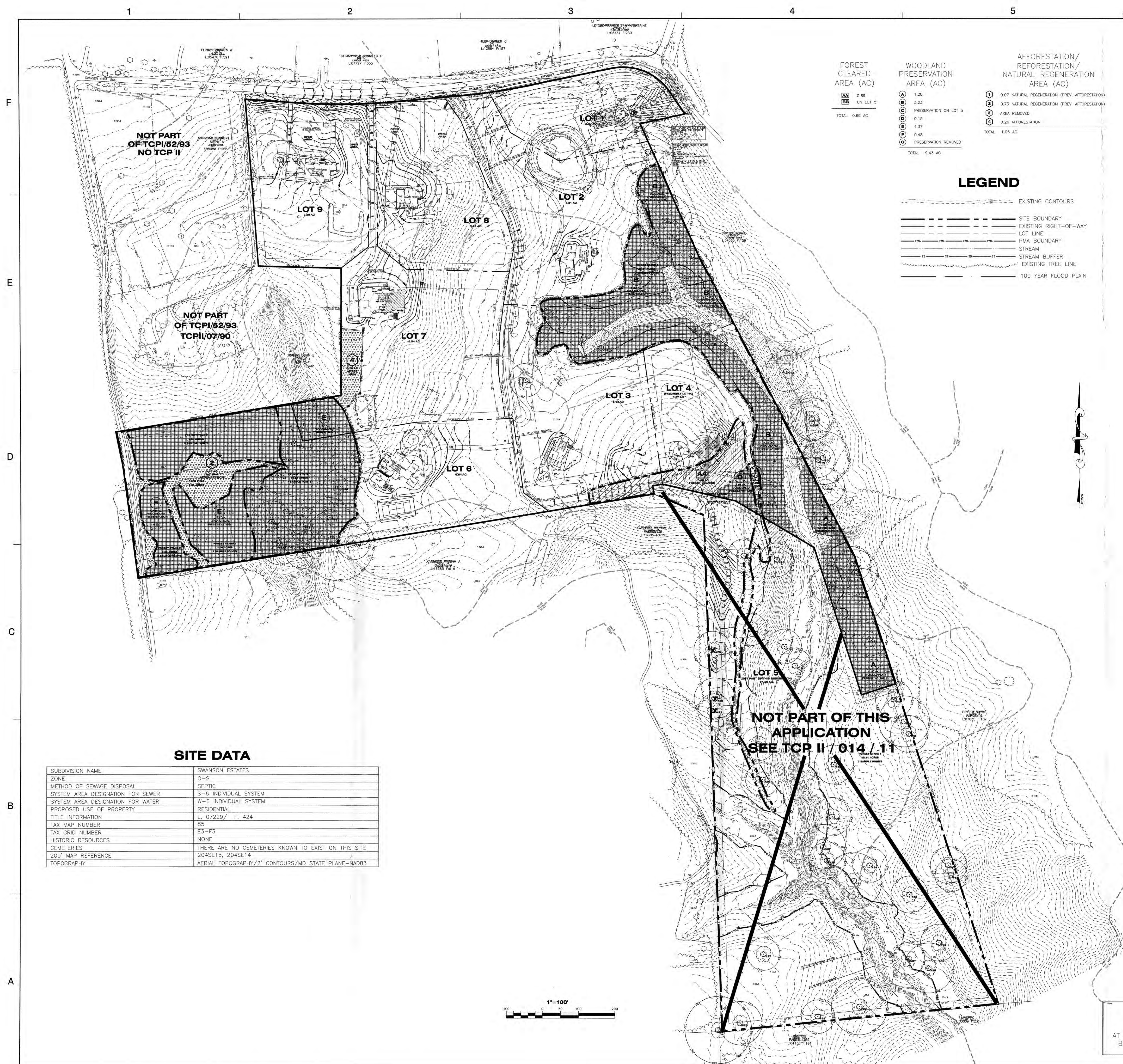




NOT PART
OF TCP1/52/93
NO TCP II

NOT PART
OF TCP1/52/93
TCP1/07/90

NOT PART OF THIS
APPLICATION
SEE TCP II / 014 / 11

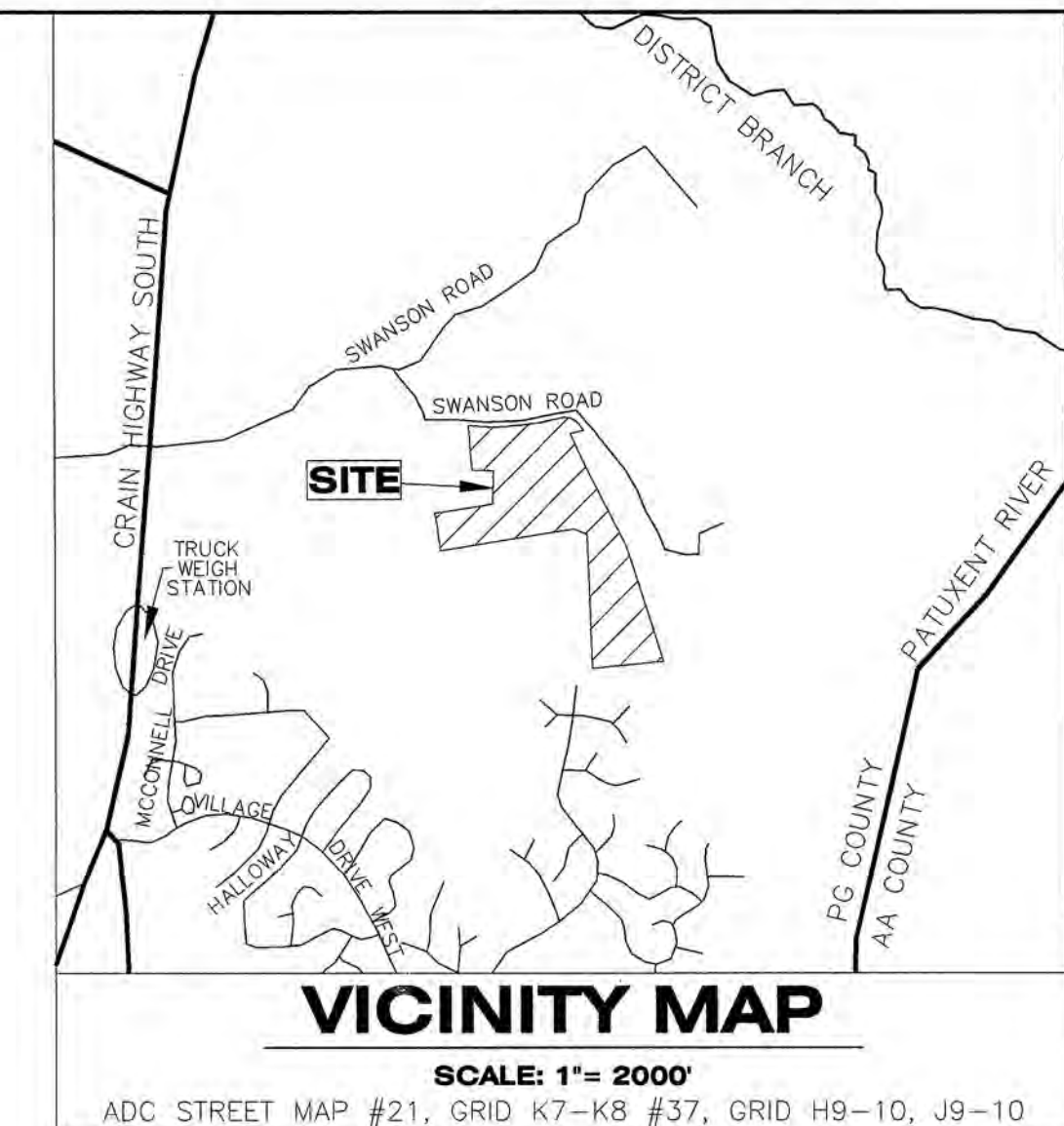
FOREST CLEARED AREA (AC)	
AA	0.69
BB	ON LOT 5
TOTAL: 0.69 AC	

WOODLAND PRESERVATION AREA (AC)	
A	1.20
B	3.23
PRESERVATION ON LOT 5	
C	0.15
D	4.37
E	0.48
PRESERVATION REMOVED	
TOTAL: 9.43 AC	

AFFORESTATION/ REFORESTATION/ NATURAL REGENERATION AREA (AC)	
1	0.07 NATURAL REGENERATION (PREV. AFFORESTATION)
2	0.73 NATURAL REGENERATION (PREV. AFFORESTATION)
AREA REMOVED	
3	0.28 AFFORESTATION
TOTAL: 1.08 AC	

LEGEND

- EXISTING CONTOURS
- SITE BOUNDARY
- EXISTING RIGHT-OF-WAY
- LOT LINE
- PMA BOUNDARY
- STREAM
- STREAM BUFFER
- EXISTING TREE LINE
- 100 YEAR FLOOD PLAIN



TCP LEGEND	
[Pattern]	ON-SITE FOREST CLEARED AREA
[Pattern]	WOODLAND PRESERVATION AREA
[Pattern]	AFFORESTATION/REFORESTATION AREA
[Pattern]	WOODLANDS RETAINED (NON FCA)
[Line]	FOREST STAND BOUNDARY
[Line]	TREE PROTECTION FENCE (SPLIT RAIL)
[Line]	TREE PROTECTION FENCE (TEMPORARY)
[Line]	ROOT PRUNE LINE
[Line]	CRITICAL ROOT ZONE
[Symbol]	FOREST PRESERVATION SIGN
[Symbol]	AFFORESTATION/REFORESTATION SIGN
[Symbol]	SPECIMEN TREE SAVED
[Symbol]	SPECIMEN TREE REMOVED
[Symbol]	AREA IN APPLICATION

SITE DATA

SUBDIVISION NAME	SWANSON ESTATES
ZONE	O-S
METHOD OF SEWAGE DISPOSAL	SEPTIC
SYSTEM AREA DESIGNATION FOR SEWER	S-6 INDIVIDUAL SYSTEM
SYSTEM AREA DESIGNATION FOR WATER	W-6 INDIVIDUAL SYSTEM
PROPOSED USE OF PROPERTY	RESIDENTIAL
TITLE INFORMATION	L. 07229 / F. 424
TAX MAP NUMBER	85
TAX GRID NUMBER	E3-F3
HISTORIC RESOURCES	NONE
CEMETERIES	THERE ARE NO CEMETERIES KNOWN TO EXIST ON THIS SITE.
200' MAP REFERENCE	204SE15, 204SE14
TOPOGRAPHY	AERIAL TOPOGRAPHY/2" CONTOURS/MD STATE PLANE-NAD83

PLAN REVISION SUMMARY			
•	01 Revision:	Clearing area on lots 3 & 4	
•	02 Revision:	Additional clearing area on lots 3 & 4	
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•	05 Revision:	Revision of limits of disturbance on lot 1.	

M-NCPPC Prince George's County Planning Department Environmental Planning Section APPROVAL TREE CONSERVATION PLAN TCP11/02/05	
Approved by	Date
KIF	07.28.06
01 KIF	11.16.09
02 KIF	05.31.10
03 KIF	07.29.10
04 KIF	09.26.11
05 KIF	5/27/12

CALL "MISS UTILITY"
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FOR UTILITY LOCATIONS
AT LEAST 48 HOURS BEFORE
BEGINNING CONSTRUCTION

Dewberry & Davis LLC

10000 DEERWOOD LANE
SUITE 204
LANHAM, MD 20706
301.731.5551
301.731.0188 FAX
www.dewberry.com

OWNER/APPLICANT/DEVELOPER
CHESAPEAKE CUSTOM HOMES, LLC
6196 OXON HILL ROAD, SUITE 340
OXON HILL, MD 20745
(301) 567-1010 FAX (301) 567-7509

CONTACT
DEVELOPER: GREG WILBY
(301) 567-1010 FAX (301) 567-7509
ENGINEER: GURMEET GAHUNIA
TEL (301) 731-5551 FAX (301) 731-0188

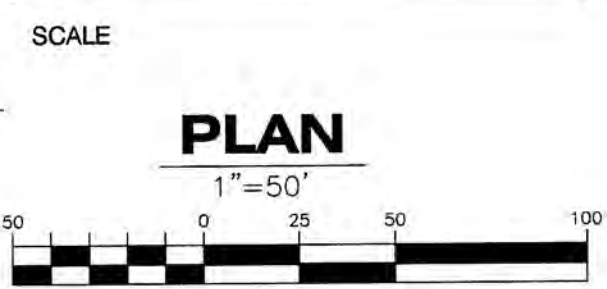
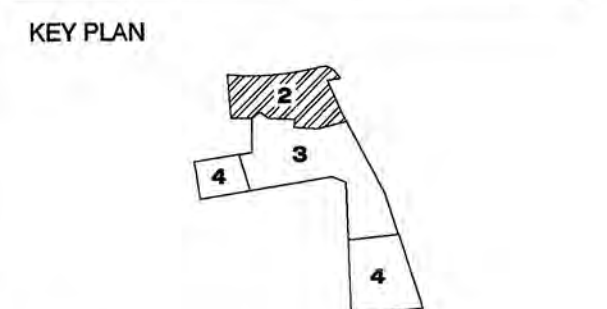
SWANSON ESTATES
PRINCE GEORGE'S COUNTY, MARYLAND
3rd ELECTION DISTRICT
TAX MAP 85, GRID E3, F4
WSSC 200 SHEETS 204SE15, 204SE14

SEAL

KEY PLAN

SCALE
AS SHOWN

No.	DATE	BY	Description
5	06/27/11	MAM	REV. LOT 5, REV AFFOREST.
4	07/02/10	FMR	UPDATE
3	07/17/06	KJM	M-NCPPC COMMENTS
2	04/20/06	CDJ	PER P&P comm
1	08/16/05	JMP	inc P&P comm
REVISIONS			
DRAWN BY	FMR		
APPROVED BY	JPM		
CHECKED BY	AV		
DATE	JUL 2010		
TITLE			
TREE CONSERVATION PLAN TYPE II			
PROJECT NO.	83214		
1			
SHEET NO.	OF 6		



5	06/27/11	MAM	REM. LOT 5, REV AFFOREST.
4	07/02/10	FMR	UPDATE
3	07/17/06	KJM	M-NCPPC COMMENTS
2	04/20/06	CDJ	PER P&P comm
1	08/16/05	JMP	inc P&P comm
No.	DATE	BY	Description

DRAWN BY	FMR
APPROVED BY	JPM
CHECKED BY	AV
DATE	JUL 2010

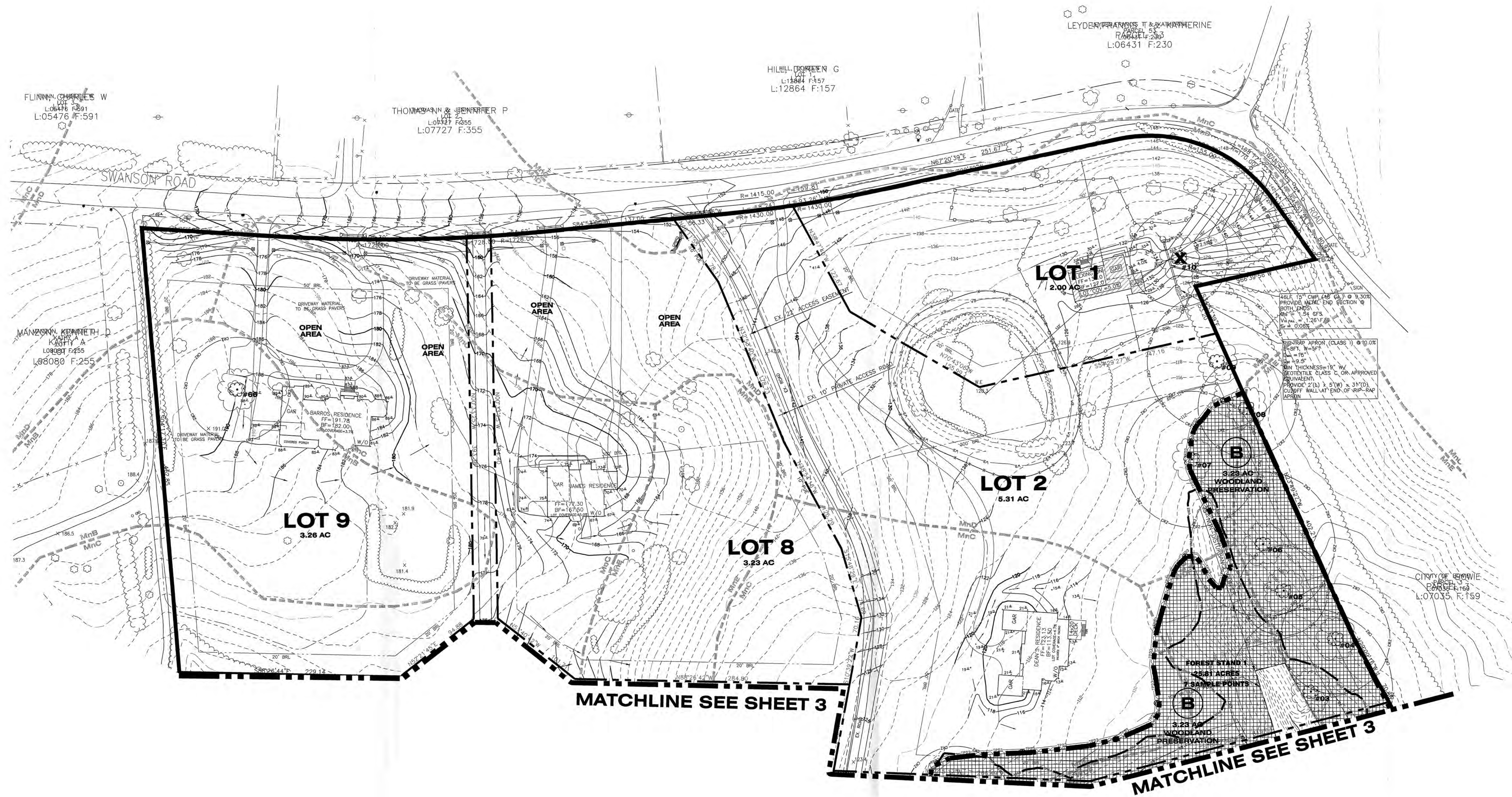
TITLE

TREE
CONSERVATION
PLAN
TYPE II

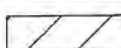
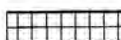
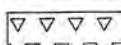
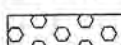
PROJECT NO. 83214

2

SHEET NO. _____ OF 6



TCP LEGEND

	ON-SITE FOREST CLEARED AREA
	WOODLAND PRESERVATION AREA
	AFFORESTATION/REFORESTATION AREA
	WOODLANDS RETAINED (NON FCA)
	FOREST STAND BOUNDARY
	TREE PROTECTION FENCE (SPUT RAIL)
	TREE PROTECTION FENCE (TEMPORARY)
	ROOT PRUNE LINE
	CRITICAL ROOT ZONE
	FOREST PRESERVATION SIGN
	AFFORESTATION/REFORESTATION SIGN
	SPECIMEN TREE SAVED
	SPECIMEN TREE REMOVED
	AREA IN APPLICATION

LEGEND

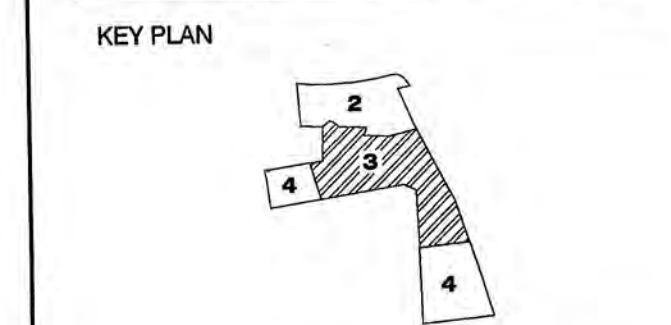
EXISTING CONTOURS
 SITE BOUNDARY
 EXISTING RIGHT-OF-WAY
 LOT LINE
 PWA BOUNDARY
 STREAM
 STREAM BUFFER
 EXISTING TREE LINE
 100 YEAR FLOOD PLAIN

PLAN REVISION SUMMARY

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CALL "MISS UTILITY"
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M-NCPPC Prince George's County Planning Department Environmental Planning Section APPROVAL TREE CONSERVATION PLAN TCPII/92/05		
	Approved by	Date
	KIF	07.28.06
01	KIF	11.16.09
02	KIF	05.31.10
03	KIF	07.29.10
04	KIF	09.06.11
05	KIF	5/30/12

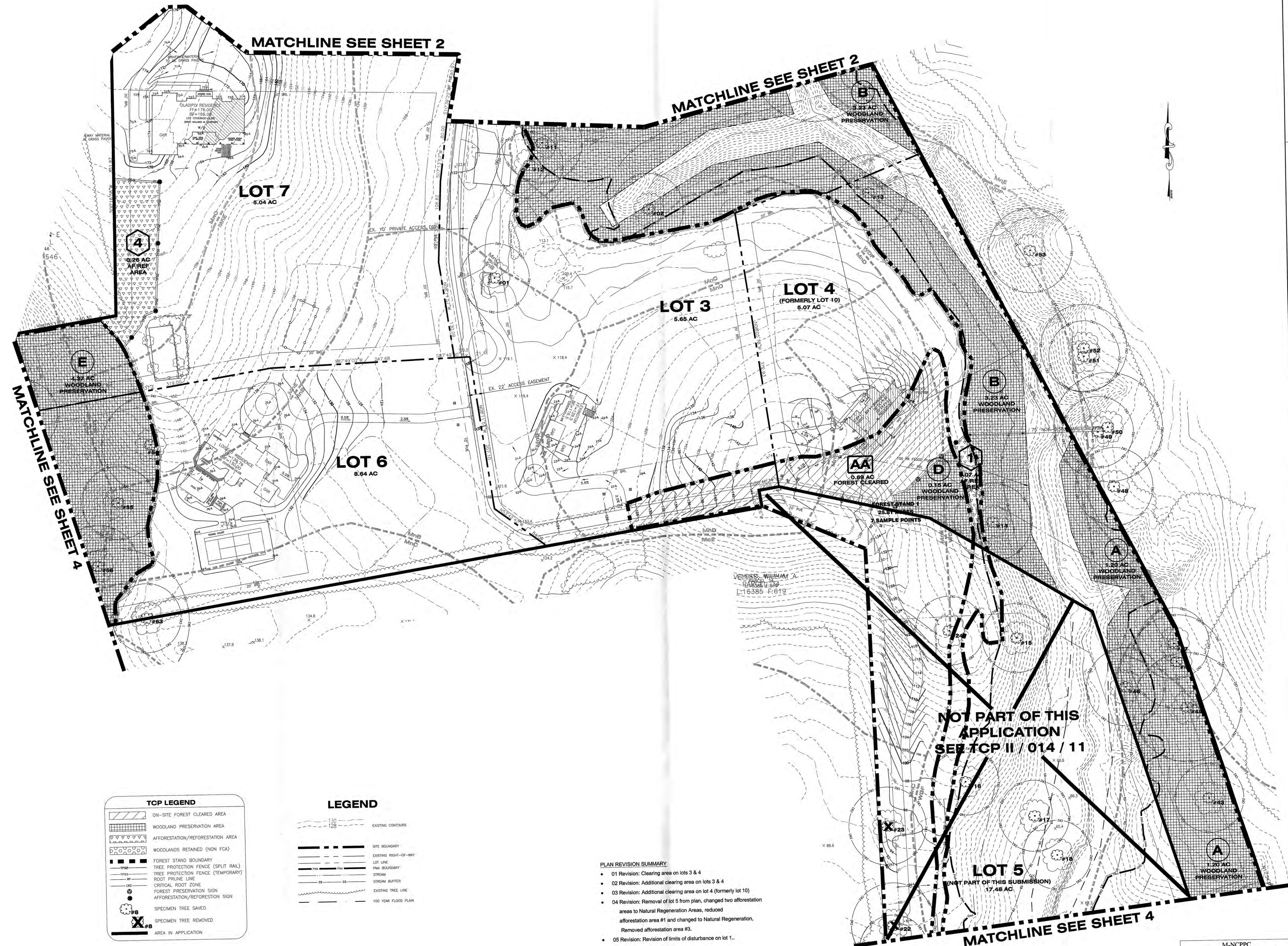


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4	07/02/10	FMR	UPDATE
3	07/17/06	KJM	M-NCPPC COMMENTS
2	04/20/06	CDJ	PER P&P comm
1	08/16/05	JMP	inc P&P comm

DRAWN BY: FMR
APPROVED BY: JPM
CHECKED BY: AV
DATE: JUL 2010

TITLE
TREE CONSERVATION PLAN TYPE II

PROJECT NO. 83214



TCP LEGEND

[Symbol]	ON-SITE FOREST CLEARED AREA
[Symbol]	WOODLAND PRESERVATION AREA
[Symbol]	AFFORESTATION/REFORESTATION AREA
[Symbol]	WOODLANDS RETAINED (NON FCA)
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LEGEND

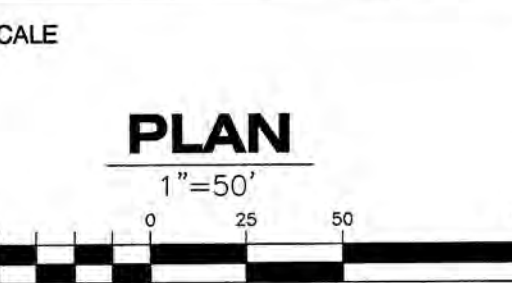
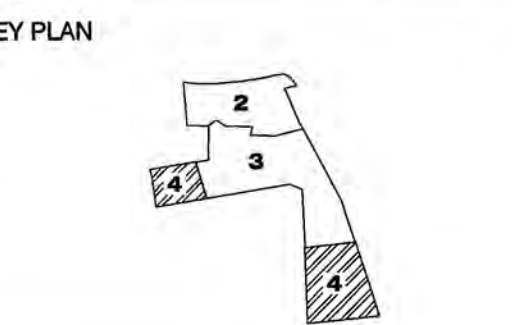
[Symbol]	EXISTING CONTOURS
[Symbol]	SITE BOUNDARY
[Symbol]	EXISTING RIGHT-OF-WAY
[Symbol]	LOT LINE
[Symbol]	PMA BOUNDARY
[Symbol]	STREAM
[Symbol]	STREAM BUFFER
[Symbol]	EXISTING TREE LINE
[Symbol]	100 YEAR FLOOD PLAIN

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M-NCPPC
Prince George's County Planning Department
Environmental Planning Section
APPROVAL
TREE CONSERVATION PLAN
TCP/II/92/05

Approved by	Date
[Signature]	07.28.06
[Signature]	11.16.09
[Signature]	05.31.10
[Signature]	07.29.10
[Signature]	09.06.11
[Signature]	05/22/12



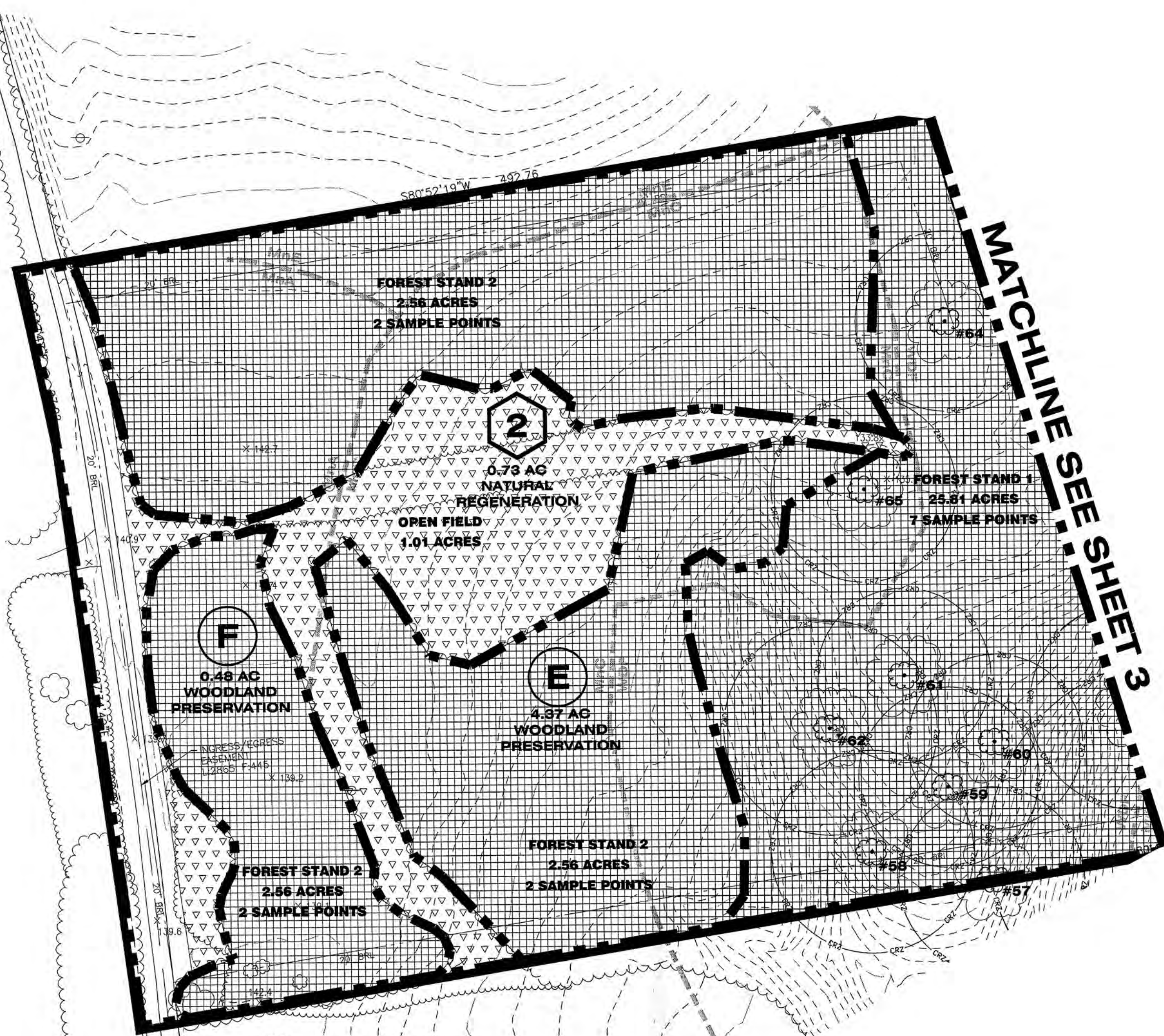
No.	DATE	BY	Description
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2	04/20/06	CDJ	PER P&P comm
3	07/17/06	KJM	M-NCPPC COMMENTS
4	07/02/10	FMR	UPDATE
5	06/27/11	MAM	REV LOT 5, REV AFFOREST.

DRAWN BY	FMR
APPROVED BY	JPM
CHECKED BY	AV
DATE	JUL 2010

TITLE

**TREE
CONSERVATION
PLAN
TYPE II**

PROJECT NO. 83214

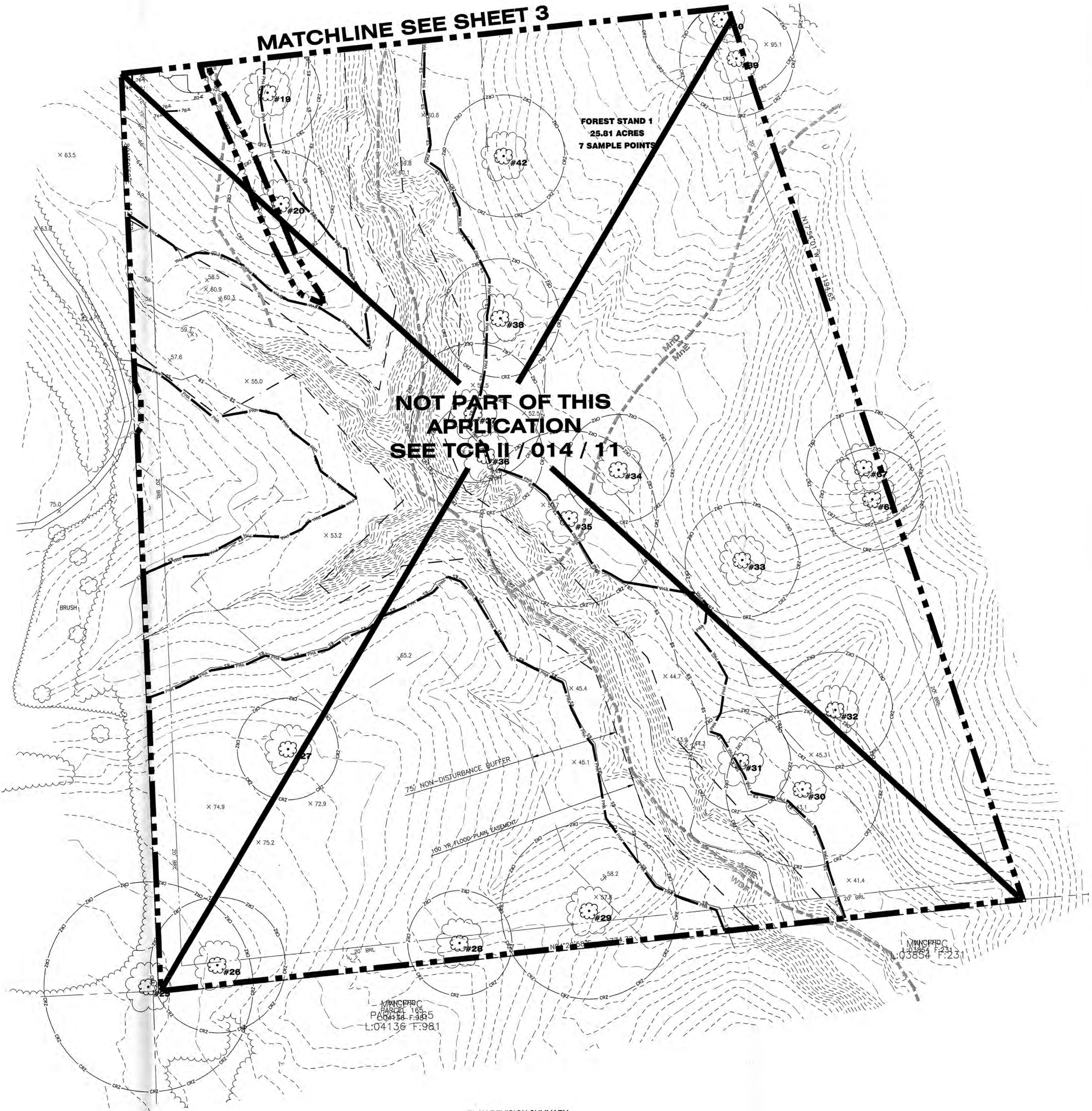


TCP LEGEND

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[Symbol]	WOODLAND PRESERVATION AREA
[Symbol]	AFFORESTATION/REFORESTATION AREA
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[Symbol]	AREA IN APPLICATION

LEGEND

[Symbol]	EXISTING CONTOURS
[Symbol]	SITE BOUNDARY
[Symbol]	EXISTING RIGHT-OF-WAY
[Symbol]	LOT LINE
[Symbol]	PMA BOUNDARY
[Symbol]	STREAM
[Symbol]	STREAM BUFFER
[Symbol]	EXISTING TREE LINE
[Symbol]	100' FLOOD PLAIN



- PLAN REVISION SUMMARY**
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BEGINNING CONSTRUCTION

M-NCPPC
Prince George's County Planning Department
Environmental Planning Section
APPROVAL
TREE CONSERVATION PLAN
TCP#192/05

Approved by	Date
KIF	07.28.06
01 KIF	11.16.09
02 KIF	05.31.10
03 KIF	07.29.10
04 KIF	09.06.11
05	

SPECIMEN TREE IDENTIFICATION LIST

BOTANICAL NAME/ COMMON NAME	TRUNK D.B.H.	TREE CONDITION	TREE NOTES	TREE PROTECTION MEASURES/NOTES
1 <i>Fagus grandifolia</i> AMERICAN BEECH	31	FAIR		SAVE, ROOT PRUNE
2 <i>Liriodendron tulipifera</i> TULIP POPLAR	32	GOOD		SAVE
3 <i>Liriodendron tulipifera</i> TULIP POPLAR	57	FAIR		SAVE
4 <i>Liriodendron tulipifera</i> TULIP POPLAR	38	GOOD		SAVE
5 <i>Liriodendron tulipifera</i> TULIP POPLAR	31	FAIR		SAVE
6 <i>Liriodendron tulipifera</i> TULIP POPLAR	50	GOOD		SAVE
7 <i>Acer saccharinum</i> SILVER MAPLE	47	FAIR	MULTI-LEADER	SAVE
8 <i>Platanus occidentalis</i> AMERICAN SYCAMORE	34	GOOD		SAVE
9 <i>Quercus alba</i> WHITE OAK	48	GOOD		REMOVE
10 <i>Liriodendron tulipifera</i> TULIP POPLAR	34	GOOD		SAVE
11 <i>Fagus grandifolia</i> AMERICAN BEECH	36	FAIR		SAVE
12 <i>Liriodendron tulipifera</i> TULIP POPLAR	30	GOOD		SAVE
13 <i>Liriodendron tulipifera</i> TULIP POPLAR	34	GOOD		SAVE
14 <i>Liriodendron tulipifera</i> TULIP POPLAR	35	GOOD		SAVE
43 <i>Liriodendron tulipifera</i> TULIP POPLAR	31	GOOD		SAVE
44 <i>Liriodendron tulipifera</i> TULIP POPLAR	49	GOOD		SAVE
45 <i>Liriodendron tulipifera</i> TULIP POPLAR	42	FAIR		SAVE
46 <i>Liriodendron tulipifera</i> TULIP POPLAR	35	GOOD		SAVE
47 <i>Liriodendron tulipifera</i> TULIP POPLAR	32	GOOD		SAVE
48 <i>Liriodendron tulipifera</i> TULIP POPLAR	35	GOOD	MULTI-LEADER	SAVE
49 <i>Liriodendron tulipifera</i> TULIP POPLAR	32	POOR		SAVE
50 <i>Liriodendron tulipifera</i> TULIP POPLAR	49	GOOD		SAVE
51 <i>Liriodendron tulipifera</i> TULIP POPLAR	32	POOR		SAVE
52 <i>Liriodendron tulipifera</i> TULIP POPLAR	39	FAIR		SAVE
53 <i>Liriodendron tulipifera</i> TULIP POPLAR	38	GOOD		SAVE
54 <i>Liriodendron tulipifera</i> TULIP POPLAR	44	GOOD		SAVE
55 <i>Quercus velutina</i> BLACK OAK	33	GOOD		SAVE
56 <i>Liriodendron tulipifera</i> TULIP POPLAR	37	GOOD		SAVE
57 <i>Juglans nigra</i> BLACK WALNUT	33	GOOD		SAVE
58 <i>Liriodendron tulipifera</i> TULIP POPLAR	36	GOOD		SAVE
59 <i>Liriodendron tulipifera</i> TULIP POPLAR	32	GOOD		SAVE
60 <i>Liriodendron tulipifera</i> TULIP POPLAR	31	GOOD	MULTI-LEADER	SAVE
61 <i>Liriodendron tulipifera</i> TULIP POPLAR	31	GOOD		SAVE
62 <i>Liriodendron tulipifera</i> TULIP POPLAR	38	GOOD		SAVE
63 <i>Quercus velutina</i> BLACK OAK	31	GOOD		SAVE
64 <i>Liriodendron tulipifera</i> TULIP POPLAR	32	GOOD		SAVE
65 <i>Liriodendron tulipifera</i> TULIP POPLAR	33	POOR		SAVE
66 <i>Acer negundo</i> BOX ELDER	36	POOR	DYING	SAVE

WOODLAND CONSERVATION AREA MANAGEMENT NOTES
Prepared by the Environmental Planning Section, Planning Department, M-NCPPC
Revised: 4/23/2003

Removal of Hazardous Trees or Hazardous Limbs by Developers or Builders

The developer and/or builder is responsible for the complete preservation of all forested areas shown on the approved plan to remain undisturbed. Only trees or parts thereof designated by the Department of Environmental Resources as dead, dying, or hazardous may be removed.

- A tree is considered hazardous if a condition is present which leads a Licensed Arborist or a Licensed Tree Expert to believe that the tree or a portion of the tree has a potential to fall and strike a structure, parking area, or other high use area and result in personal injury or property damage.
- If a hazardous condition may be alleviated by corrective pruning, the Licensed Arborist or a Licensed Tree Expert may proceed without further authorization. The pruning must be done in accordance with the latest edition of the ANSI A-300 Pruning Standards (A Tree, Shrub, and Other Woody Plant Maintenance - Standard Practices).
- Corrective measures requiring the removal of the hazardous tree or portions thereof shall require authorization by the building or grading inspector if there is a valid grading or building permit for the subject lots or parcels on which the trees are located. Only after approval of the appropriate inspector may the tree be cut by chainsaw to near the existing ground level. The stump may not be removed or covered with soil, mulch or other materials that would inhibit sprouting.
- Debris from the tree removal or pruning that occurs within 35 feet of the woodland edge may be removed and properly disposed of by recycling, chipping or other acceptable methods. All debris that is more than 35 feet from the woodland edge shall be cut up to allow contact with the ground, thus encouraging decomposition. The smaller materials shall be placed into brush piles that will serve as wildlife habitat.

Removal of Hazardous Trees, Hazardous Limbs, Noxious Plants, Invasive Plants or Non-Native Plants in Woodland Conservation Areas Owned by Individual Homeowners

- If the developer or builder no longer has an interest in the property the home owner shall obtain a written statement from the Licensed Arborist or Licensed Tree Expert identifying the hazardous condition and the proposed corrective measures prior to having the work conducted. The tree may then be removed by the arborist or tree expert. The stump shall be cut as close to the ground as possible and left in place. The removal or grinding of the stumps in the woodland conservation area is not permitted.
- The removal of noxious, invasive, and non-natives plant species from the woodland conservation areas may be done with the use of hand-held equipment only such as pruners or a chain saw. These plants may be cut near the ground and the material less than two inches diameter may be removed from the area and disposed of appropriately. All material from these noxious, invasive, and non-native plants greater than two (2) inches diameter shall be cut to allow contact with the ground, thus encouraging decomposition.
- The use of broadcast spraying of herbicides is not permitted. However, the use of herbicides to discourage re-sprouting of invasive, noxious, and non-native plants is permitted if done as an application of the chemical directly to the cut stump immediately following cutting of plant tops. The use of any herbicide shall be done in accordance with the label instructions.

Note: The use of chainsaws is extremely dangerous and should not be conducted with poorly maintained equipment, without safety equipment, or by individuals not trained in the use of this equipment for the pruning and/or cutting of trees.

Protection of Reforestation and Afforestation Areas by Developers or Builders

- Reforestation and afforestation areas shall be planted prior to the occupancy of the nearest building or residence. If planting cannot occur due to planting conditions, the developer or property owner shall install the fencing and signage in accordance with the approved Type II Tree Conservation Plan. Planting shall then be accomplished during the next planting season. If planting is delayed beyond the transfer of the property title, to the homeowner, the developer shall obtain a signed statement from the purchaser indicating that they understand that the reforestation area is located on their property and that reforestation will occur during the next planting season. A copy of that document shall be presented to the Grading Inspector and the Environmental Planning Section.
- Reforestation areas shall not be moved, however, the management of competing vegetation around individual trees is acceptable.

Protection of Reforestation and Afforestation Areas by Individual Homeowners

- Reforestation fencing and signage shall remain in place in accordance with the approved Type II Tree Conservation Plan or until the trees have grown sufficiently to have crown closure.
- Reforestation areas shall not be moved, however, the management of competing vegetation around individual trees is acceptable.

Woodland Areas NOT Counted as Part of the Woodland Conservation Requirements

- A revised Tree Conservation Plan is required prior to clearing any woodland area which is not specifically identified to be cleared on the most recently approved Type II Tree Conservation (TCP) on file in the office of the M-NCPPC, Environmental Planning Section located on the 4th floor of the County Administration Building at 14741 Governor Olsen Bowie Drive, Upper Marlboro, Maryland 20772, phone 301-455-3620. Additional mitigation will be required for the clearing of all woodlands beyond that reflected on the approved plans. Although clearing may be allowed, it may be subject to additional replacement requirements, mitigation, and fees which must be reflected on TCP revisions approved by the M-NCPPC Environmental Planning Section.
- Homeowners or property owners may remove trees less than two (2) inches diameter, shrubs, and vines in woodland areas which are saved but not part of the Woodland Conservation requirements after all permits have been released for the subject property. This area may not be tilled or have other ground disturbances which would result in damage to the tree roots. Raking the leaves and over-seeding with native grasses, native flowers or native ground covers is acceptable. Seeding with invasive grasses including any variety of Kentucky 31 fescue is not acceptable.

Woodland Conservation Worksheet
for
Prince George's County

Zone:	O-S		
Gross Tract:	38.22		
Floodplain:	1.27		
Previously Dedicated Land:	0.00		
Net Tract (NTA):	36.95	0.00	0.00
Include acreage in the corresponding columns for each zone.			
Property Description or Subdivision Name:	Swanson Estates (Lot 1-4, 6-9 only)		
Is this site subject to the 1989 Ordinance?	N		
Reforestation Requirement Reduction Questions			
Is this one (1) single family lot? (y/n)	N		
Are there prior TCP approvals which include a combination of this lot and/or other lots. (y/n)	Y		
Is this a Mitigation Bank	N		
Break-even Point (preservation) =	10.12 acres		
Clearing permitted w/o reforestation =	0.00 acres		
Woodland Conservation Calculations:			
	Net Tract	Floodplain	Impacts
	(acres)	(acres)	(acres)
Existing Woodland	10.12		1.27
Woodland Conservation Threshold (NTA) =	50.00%	18.48	
Smaller of a or b		10.12	
Woodland above WCCT		0.00	
Woodland cleared	0.89	0.00	0.00
Smaller of d or e		0.00	
Clearing above WCCT (0.25 : 1) replacement requirement		0.00	
Clearing below WCCT (2 : 1 replacement requirement)		0.89	
Afforestation Threshold (AFT) =	20.00%	0.00	
Off-site Mitigation being provided on this property		0.00	
Woodland Conservation Required		10.81	
Woodland Conservation Provided:			
	(acres)		
Woodland Preservation	9.43		
Afforestation / Reforestation	1.06		
Area approved for fee-in-lieu	0.75		\$9,801.00
Credits for Off-site Mitigation on another property	0.00		
Off-site Mitigation Afforestation provided on this property	0.00		
Off-site Mitigation Preservation provided on this property	0.00		
Total Woodland Conservation Provided		11.24	
Area of woodland not cleared	9.43 acres		
Woodland retained not part of requirements:	0.00 acres		
Prepared by:		Signed	Date
Revised 9/1/04			

AFFORESTATION/REFORESTATION MANAGEMENT PLAN

- Year 1: Area is planted according to pre-approved plan
Survival check 3 times (March-April), (July-August), (October-November)
Watering as needed
Control of undesirable vegetation as needed
- Years 2-3: Reinforcement planting if needed
Survival check twice annually (April-May), (September-October). Watering as needed
Control of undesirable vegetation as needed
- Years 4-5: Reinforcement planting if needed
Survival check once annually (May-September)
- Fertilization or watering during years 1 through 3 will be done on an as needed basis. Condition Check Sheets should be to the client after each visit. We require a survival rate of 75 percent after 5 years. If adequate natural regeneration has occurred, it may be included in the final survival tally. Special return operations or recommendations will be conducted on an as needed basis. Perimeter fencing and signage will be removed after year 5 based on the date planted.

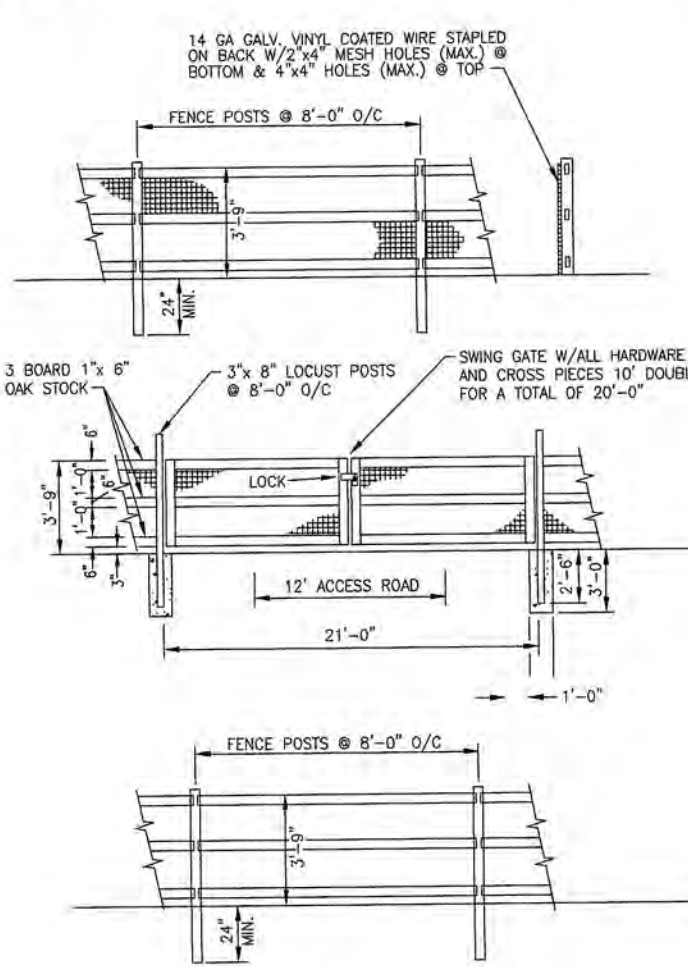
Standard Type II Tree Conservation Plan Notes

- Cutting or clearing of woodland not in conformance with this Plan or without the expressed written consent of the planning Director or designee shall be subject to a \$1.50 per square foot mitigation fee.
- The Department of Environmental Resources (DER) must be contacted prior to the start of any work on the site to address implementation of Tree Conservation measures shown on this Plan.
- Property owners shall be notified by the Developer or Contractor of any Woodland Conservation Areas (Tree Save Areas, Reforestation Areas, Afforestation Areas, or Selective Clearing Areas) located on their lot or parcel of land and the associated fines for unauthorized disturbances to these areas. Upon the sale of the property the owner/developer or owners representative shall notify the purchaser of the property of any Woodland Conservation Areas.
- All appropriate bonds will be posted with the Building Official prior to the issuance of any permits. These bonds will be retained as surety by the Building Official until all required activities have been satisfied.
- The location of all Tree Protective Devices (TPDs) shown on this Plan shall be flagged or staked in the field prior to the pre-construction meeting with the Sediment and Erosion Control Inspector from DER. Upon approval of the flagging or staked TPD locations by the Inspector, installation of the TPDs may begin. TPD installation shall be completed prior to installation of initial Sediment Controls. No cutting or clearing of trees may begin before final approval of TPD installation.
- Tree Protection Devices are not required for this Plan since an undisturbed 100 foot buffer of open land or a 50 foot forested buffer is being maintained between the Limit of Disturbance (LOD) and the Tree Save Area. If changes to the LOD impact the undisturbed buffers the DER Inspector shall be contacted to evaluate the change to determine if revision to the Tree Conservation Plan are necessary or if the installation of TPDs will be required.
- Since work on this project will be initiated in several phases all TPDs required for a given phase shall be installed prior to any disturbance within that phase of work.
- Woodland Conservation- Tree Save Areas and/or Reforestation Areas shall be posted as shown at the same time as Tree Protective Device installation and/or start of reforestation activities. These signs shall remain in place until the issuance of the U & O for the 1st unit adjacent to the reforestation area.
- All tree planting for woodland replacement, reforestation or afforestation will be completed prior to issuance of building permits for Lots 1-9. Failure to establish the woodland replacement, reforestation or afforestation within the prescribed time frame will result in the forfeiture of the Reforestation Bond and/or a violation of this Plan including the associated \$1.50 per square foot penalty unless a written extension is approved by DER Inspector.
- The DER Inspector shall be notified prior to soil preparation or initiation of any tree planting on this site.
- Results of survival checks for all tree plantings shall be reported to the DER Inspector for that site.
- Prior to the issuance of any permits the contractor responsible for soil preparation, site preparation, tree planting and tree maintenance must be identified.

Greg Wilby
Chesapeake Custom Homes, LLC
6196 OXON HILL ROAD, SUITE 340
OXON HILL, MD. 20745
(301) 567-1010

(TPD2)

PERMANENT FENCING FOR DESIGNATED INTERIOR PLANTING AREAS ONLY

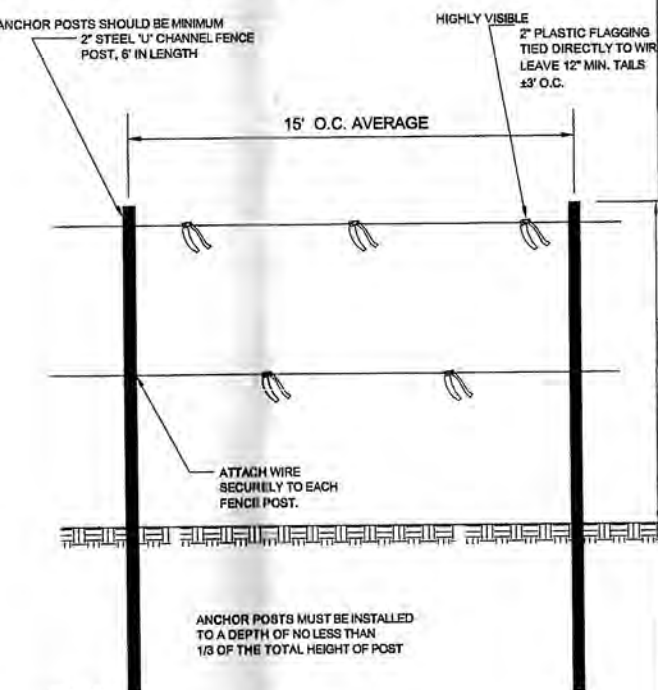


SPLIT RAIL FENCE DETAIL

- NOTE:
- FOREST PROTECTION DEVICE ONLY.
 - REFORESTATION AREA WILL BE SET AS PART OF THE REVIEW PROCESS.
 - BOUNDARIES OF REFORESTATION AREAS SHOULD BE STAKED AND FLAGGED PRIOR TO INSTALLING DEVICE.
 - ROOT DAMAGE SHOULD BE AVOIDED WHEN INSTALLING DEVICE.
 - PROTECTIVE SIGNAGE IS REQUIRED: 100' MAX SPACING ALONG ALL LOD'S AND/OR STREAM BUFFERS.
 - DEVICE SHOULD BE MAINTAINED THROUGHOUT CONSTRUCTION.

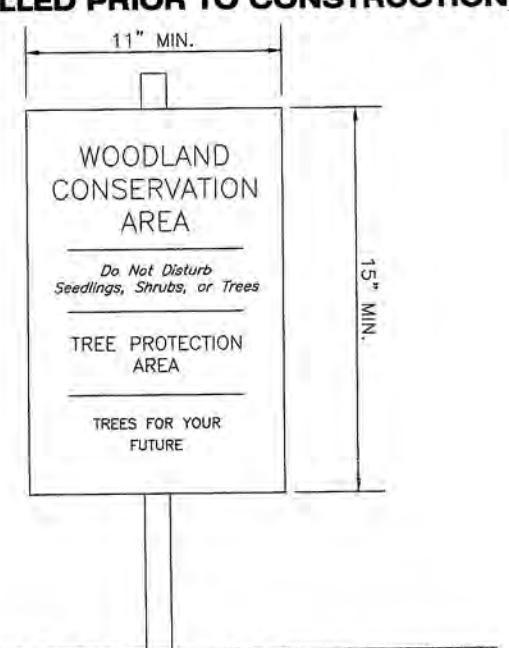
(TPD3)

WIRE TREE PROTECTION FENCING
TWO-STRAND STRAIGHT WIRE
TEMPORARY FENCING



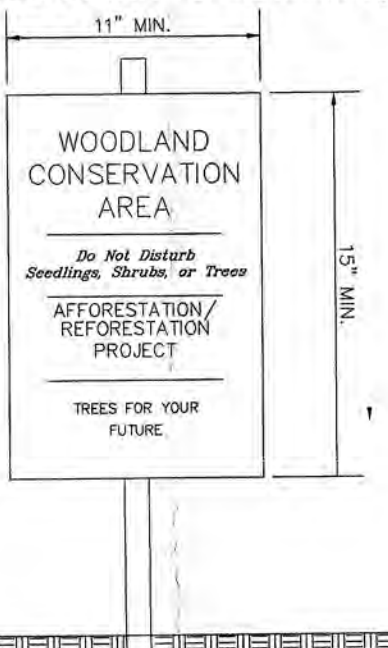
- NOTE:
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 - PROTECTIVE SIGNAGE IS REQUIRED: 100' MAX SPACING ALONG ALL LOD'S AND/OR STREAM BUFFERS.
 - DEVICE SHOULD BE MAINTAINED THROUGHOUT CONSTRUCTION.

SIGNAGE
CONSERVATION AREAS
(TO BE INSTALLED PRIOR TO CONSTRUCTION)



- NOTE:
- ATTACHMENT OF SIGNS TO TREES IS PROHIBITED.
 - SIGNS SHOULD BE PROPERLY MAINTAINED.
 - AVOID INJURY TO TREES WHEN PLACING SIGNS.
 - SIGNS SHOULD BE PLACED AT A MAX. INTERVAL OF 100' AND ONE PER LOT. ALL LOD'S AND/OR STREAM BUFFERS IN AREAS OF REFORESTATION.

SIGNAGE
FOREST PLANTING AREAS
(TO BE INSTALLED PRIOR TO PLANTING)



- NOTE:
- ATTACHMENT OF SIGNS TO TREES IS PROHIBITED.
 - SIGNS SHOULD BE PROPERLY MAINTAINED.
 - AVOID INJURY TO TREES WHEN PLACING SIGNS.
 - SIGNS SHOULD BE PLACED AT A MAX. INTERVAL OF 100' AND ONE PER LOT. ALL LOD'S AND/OR STREAM BUFFERS IN AREAS OF REFORESTATION.

LOT TCP II TABULATIONS

	GROSS LOT AREA		100-YR FLOODPLAIN PER LOT		NET LOT AREA		EXISTING WOODLAND TOTAL		EXISTING WOODLAND (IN FLOODPLAIN)		EXISTING WOODLAND (NON-FLOODPLAIN)		EXISTING WOODLAND CLEARED (NON-FLOODPLAIN)		WOODLAND PRESERVATION (NON-FLOODPLAIN)		AFFORESTATION / NATURAL REGENERATION	
	(SF)	(AC)	(SF)	(AC)	(SF)	(AC)	(SF)	(AC)	(SF)	(AC)	(SF)	(AC)	(SF)	(AC)	(SF)	(AC)	(SF)	(AC)
Lot 1	87,149	2.00	0	0.00	87,149	2.00	0	0.00	0	0.00	0	0.00	0	0.00	55,934	1.28	0	0.00
Lot 2	231,410	5.31	2,564	0.06	228,846	5.25	58,498	1.34	2,564	0.06	55,934	1.28	0	0.00	16,061	0.37	11,336	0.26
Lot 3	246,317	5.65	21,091	0.48	225,226	5.17	73,540	1.69	21,091	0.48	52,449	1.20	9,648	0.22	42,801	0.98	0	0.00
Lot 4	220,926	5.07	31,837	0.73	189,089	4.34	147,998	3.40	31,837	0.73	116,161	2.67	20,414	0.47	95,747	2.20	2,954	0.07
Lot 5																		
Lot 6	376,482	8.64	0	0.00	376,482	8.64	199,815	4.59	0	0.00	199,815	4.59	0	0.00	16,061	0.37	11,336	0.26
Lot 7	219,438	5.04	0	0.00	219,438	5.04	16,061	0.37	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
Lot 8	140,778	3.23	0	0.00	140,778	3.23	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
Lot 9	142,077	3.26	0	0.00	142,077	3.26	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
TOTALS	1,664,578	38.213	55,492	1.274	1,609,086	36.940	495,912	11.385	55,492	1.274	440,420	10.111	30,062	0.690	410,358	9.421	45,931	1.054

I hereby acknowledge that I have been advised of the restrictions established by this Tree Conservation Plan. I further acknowledge that cutting, clearing, or damaging trees or understory vegetation in the Woodland Conservation Area without a revision to this plan or written authorization from the M-NCPPC Environmental Planning Section or the Department of Environmental Resources will constitute a violation of the Woodland Conservation Ordinance. Hazardous trees may be pruned or removed after obtaining a written report from a Licensed Arborist or Licensed Tree Expert and providing a copy to the M-NCPPC Environmental Planning Section.

Signed _____ Date _____

CALL "MISS UTILITY"
1-800-257-7777
FOR UTILITY LOCATIONS
AT LEAST 48 HOURS BEFORE
BEGINNING CONSTRUCTION

PLAN REVISION SUMMARY

- 01 Revision: Clearing area on lots 3 & 4
- 02 Revision: Additional clearing area on lots 3 & 4
- 03 Revision: Additional clearing area on lot 4 (formerly lot 10)
- 04 Revision: Removal of lot 5 from plan, changed two afforestation areas to Natural Regeneration Areas, reduced afforestation area #1 and changed to Natural Regeneration, removed afforestation area #3.
- 05 Revision: Revision of limits of disturbance on lot 1.

M-NCPPC
Prince George's County Planning Department
Environmental Planning Section
APPROVAL
TREE CONSERVATION PLAN
TCP1192/05

Approved by	Date
KIF	07.28.06
01 KIF	11.16.09
02 KIF	05.31.10
03 KIF	07.29.10
04 KIF	09.06.11
05 KIF	5/28/12

LANDSCAPE SPECIFICATIONS

A. LANDSCAPE SPECIFICATIONS SHALL BE AS OUTLINED BELOW. ANY ITEM OR PROCEDURE NOT MENTIONED BELOW SHALL BE AS SPECIFIED IN THE LANDSCAPE SPECIFICATION GUIDELINES PUBLISHED BY THE LANDSCAPE CONTRACTORS ASSOCIATION (LATEST EDITION).

B. PLANT MATERIALS
THE LANDSCAPE CONTRACTOR SHALL FURNISH AND INSTALL AND/OR DIG, BALL, BURLAP AND TRANSPORT ALL OF THE PLANT MATERIALS CALLED FOR ON THE DRAWINGS AND/OR LISTED IN THE PLANT SCHEDULE.

1. PLANT MATERIALS
ALL PLANT MATERIALS SHALL BE EQUAL TO OR BETTER THAN THE REQUIREMENTS OF THE "AMERICAN STANDARD FOR NURSERY STOCK," LATEST EDITION, AS PUBLISHED BY THE AMERICAN ASSOCIATION OF NURSERMEN (HEREAFTER REFERRED TO AS AAN STANDARDS). ALL PLANTS SHALL BE TYPICAL OF THEIR SPECIES AND VARIETY, SHALL HAVE A NORMAL HABIT OF GROWTH, AND SHALL BE FIRST QUALITY, SOUND, VIGOROUS, WELL-BRANCHED AND WITH HEALTHY, WELL-FURNISHED ROOT SYSTEMS. THEY SHALL BE FREE OF DISEASE, INSECT PESTS AND MECHANICAL INJURIES.

(A) ALL PLANTS SHALL BE NURSERY GROWN AND SHALL HAVE BEEN GROWN UNDER THE SAME CLIMATE CONDITIONS AS THE LOCATION OF THIS PROJECT FOR AT LEAST TWO YEARS BEFORE PLANTING. NEITHER HEEL-ED-IN PLANTS NOR PLANTS FROM COLD STORAGE WILL BE ACCEPTED.

(B) COLLECTED PLANTS OR TRANSPLANTED TREES MAY BE CALLED FOR BY THE LANDSCAPE ARCHITECT AND USED, PROVIDED, HOWEVER, THAT LOCATIONS AND SOIL CONDITIONS WILL PERMIT PROPER BALLING.

3. PLANT MEASUREMENTS
ALL PLANTS SHALL CONFORM TO THE MEASUREMENTS SPECIFIED IN THE PLANT SCHEDULE.

(A) CALIPER MEASUREMENTS SHALL BE TAKEN SIX INCHES (6") ABOVE GRADE FOR TREES UNDER FOUR-INCH (4") CALIPER AND TWELVE INCHES (12") ABOVE GRADE FOR TREES FOUR INCHES (4") IN CALIPER AND OVER.

(B) MINIMUM BRANCHING HEIGHT FOR ALL SHADE TREES SHALL BE SIX FEET (6').

(C) MINIMUM SIZE FOR PLANTING SHADE TREES SHALL 2-1/2" - 3" CALIPER, 12'-14" IN HEIGHT.

(D) MINIMUM SIZE FOR PLANTING MINOR SHADE TREES SHALL BE 2-1/2" - 3" IN CALIPER, 8'-10' IN HEIGHT.

(E) MINIMUM SIZE FOR PLANTING ORNAMENTAL TREES SHALL BE 1-1/2" - 1-3/4" CALIPER, 7-9" HEIGHT.

(F) MINIMUM SIZE FOR PLANTING EVERGREEN TREES SHALL BE 6-8" HEIGHT.

(G) CALIPER, HEIGHT, SPREAD AND SIZE OF BALL SHALL BE GENERALLY AS FOLLOWS:

CALIPER	HEIGHT	SPREAD
2-2-1/2"	12'-14'	6'-8'
2-1-1/2"	12'-14'	6'-8'
3"-3-1/2"	14'-16'	6'-8'
3-12"-4"	14'-16'	8'-10'
4"-4-1/2"	16'-18'	8'-10'
4-1/2"-5"	10'-12'	8'-10'
5"-5-1/2"	10'-12'	10'-12'
5-1/2"-6"	18'-20'	12'-14'

ALL PLANT MATERIAL SHALL GENERALLY AVERAGE THE MEDIAN FOR THE SIZE RANGES INDICATED ABOVE AND AS INDICATED IN THE "AAN STANDARDS."

(H) MINIMUM SIZE FOR PLANTING SHRUBS SHALL BE, IN GENERAL, 18"-24" IN HEIGHT OR SPREAD, AS APPROPRIATE, EXCEPT THAT A LARGER SIZE MAY BE REQUIRED WHEN DEEMED APPROPRIATE BY THE PLANNING DIRECTOR OR DESIGNED IN THE CASE OF PARTICULAR SPECIES OR PLANTING SITUATIONS.

C. PLANTING METHODS

ALL PROPOSED PLANT MATERIAL THAT MEETS THE SPECIFICATIONS IN SECTION B ABOVE ARE TO BE PLANTED IN ACCORDANCE WITH THE FOLLOWING PLANTING METHODS DURING THE PROPER SEASONS AS DESCRIBED BELOW.

1. PLANTING SEASONS

A PROFESSIONAL HORTICULTURIST/NURSEYMAN SHALL BE CONSULTED TO DETERMINE THE PROPER TIME, BASED ON WEATHER CONDITIONS, TO MOVE AND INSTALL PARTICULAR PLANT MATERIAL TO MINIMIZE STRESS TO THE PLANT. PLANTING OF DECIDUOUS MATERIAL MAY BE CONTINUED DURING THE WINTER MONTHS PROVIDED THERE IS NO FROST IN THE GROUND AND FROST-FREE TOP SOIL PLANTING MIXTURES ARE USED.

2. DIGGING

ALL PLANT MATERIAL SHALL BE DUG, BALLED AND BURLAPPED (B+B) OR BARE ROOT IN ACCORDANCE WITH THE "AAN STANDARDS."

3. EXCAVATION OF PLANT PITS

THE LANDSCAPE CONTRACTOR SHALL EXCAVATE ALL PLANT PITS, VINE PITS, HEDGE TRENCHES AND SHRUB BEDS AS FOLLOWS:

(A) ALL PITS SHALL BE GENERALLY CIRCULAR IN OUTLINE, WITH VERTICAL SIDES. THE TREE PIT SHALL BE DEEP ENOUGH TO ALLOW 1/8 OF THE BALL TO BE ABOVE THE EXISTING GRADE. PLANTS SHALL REST ON UNDISTURBED EXISTING SOIL OR WELL COMPACTED BACKFILL. THE TREE PIT MUST BE A MINIMUM OF NINE (9) INCHES LARGER ON EVERY SIDE THAN THE BALL OF THE TREE.

(B) IF AREAS ARE DESIGNATED AS SHRUB BEDS OR HEDGE TRENCHES, THEY SHALL BE CULTIVATED TO AT LEAST 18" DEPTH MINIMUM. AREAS DESIGNATED FOR GROUND COVERS AND VINES SHALL BE CULTIVATED TO AT LEAST 12" IN DEPTH MINIMUM.

4. STAKING, GUYING AND WRAPPING

SEE THE LANDSCAPE SPECIFICATION GUIDELINES.

5. PLANT PRUNING, EDGING AND MULCHING

(A) EACH TREE, SHRUB OR VINE SHALL BE PRUNED IN AN APPROPRIATE MANNER TO ITS PARTICULAR REQUIREMENTS, IN ACCORDANCE WITH ACCEPTED STANDARD PRACTICE. BROKEN OR BRUISED BRANCHES SHALL BE REMOVED WITH CLEAN CUTS MADE ON AN ANGLE FROM THE BARK RIDGE TO THE BRANCH COLLAR, NO FLUSH CUTS, TO MINIMIZE THE AREA CUT. ALL CUTS SHALL BE MADE WITH SHARP TOOLS. TRIM ALL EDGES SMOOTH. NO TREE WOUND DRESSINGS SHALL BE APPLIED.

(B) ALL TRENCHES AND SHRUB BEDS SHALL BE EDGED AND CULTIVATED TO THE LINES SHOWN ON THE DRAWING. THE AREAS AROUND ISOLATED PLANTS SHALL BE EDGED AND CULTIVATED TO THE FULL DIAMETER OF THE PIT. SOIL WHICH HAS BEEN REMOVED AND STACKED SHALL BE USED TO TRIM THE EDGES OF ALL EXCAVATED AREAS TO THE NEAT LINES OF THE PLANT PIT SAUCERS, THE EDGES OF SHRUB AREAS, HEDGE TRENCHES AND VINE POKES.

(C) AFTER CULTIVATION, ALL PLANT MATERIALS SHALL BE MULCHED WITH A 2"-3" LAYER OF TAN BARK, PEAT MOSS, OR ANOTHER APPROVED MATERIAL OVER THE ENTIRE AREA OF THE BED OR SAUCER.

D. SEEDING AND SODDING

ALL SEEDING AND SODDING SHALL BE AS PER "STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL IN URBANIZING AREAS" AS PUBLISHED BY THE MARYLAND DEPARTMENT OF NATURAL RESOURCES.

E. BIORETENTION PLANTING AREAS

ALL PLANTS AND LANDSCAPE WORK IN THE BIORETENTION AREAS, AS NOTED ON THE PLAN, SHALL BE INSTALLED IN STRICT ACCORDANCE WITH THE GUIDELINES SET FORTH IN THE PRINCE GEORGE'S COUNTY "DESIGN MANUAL FOR USE OF BIORETENTION IN STORMWATER MANAGEMENT."

F. WARRANTY

- WARRANTY TREES, SHRUBS, PLANTS, AND ALL LAWN AREAS FOR A PERIOD OF ONE YEAR AFTER DATE OF WRITTEN ACCEPTANCE BY THE OWNER, AGAINST DEFECTS INCLUDING DEATH AND UNSATISFACTORY GROWTH, EXCEPT FOR DEFECTS RESULTING IN NEGLIGENCE BY OWNER, ABUSE OR DAMAGE BY OTHERS, OR UNUSUAL PHENOMENA OR INCIDENTS BEYOND THE INSTALLER'S CONTROL.
- REMOVE AND REPLACE TREES, SHRUBS, PLANTS, AND LAWN AREAS FOUND TO BE DEAD OR IN UNHEALTHY CONDITION DURING WARRANTY PERIOD. MAKE REPLACEMENTS DURING GROWTH SEASON FOLLOWING THE END OF WARRANTY PERIOD. REPLACE ANY PLANTS WHICH ARE IN DOUBTFUL CONDITION AT THE END OF WARRANTY PERIOD, UNLESS IN OPINION OF OWNER, IT IS ADVISABLE TO EXTEND WARRANTY PERIOD FOR A FULL GROWING SEASON.
- WARRANTY BIORETENTION PLANTS AND LANDSCAPE WORK AS PER THE GUIDELINES SET FORTH IN THE PRINCE GEORGE'S COUNTY "DESIGN MANUAL FOR USE OF BIORETENTION IN STORMWATER MANAGEMENT."

AFFORESTATION REQUIREMENTS 1000 SEEDLINGS PER ACRE

1 SHRUB = 1 SEEDLING
1/2" CALIPER = 1 SEEDLING
1" CALIPER = 2 SEEDLINGS
2" CALIPER = 4 SEEDLINGS
2.5" CALIPER = 5 SEEDLINGS
6-8" SAPLINGS = 2.5" CALIPER OR 4-5 SEEDLINGS
12" SAPLINGS = 3.5" CALIPER OR 7 SEEDLINGS

LANDSCAPE NOTES

1. THIS LANDSCAPE PLAN HAS BEEN PREPARED BY DEWBERRY & DAVIS. NO CHANGES SHALL BE MADE TO THIS PLAN WITHOUT PERMISSION FROM DEWBERRY & DAVIS. ANY UNAUTHORIZED CHANGES BY OTHER PARTIES WILL NOT BE THE RESPONSIBILITY OF DEWBERRY & DAVIS.

2. THIS PLAN FOR LANDSCAPE PURPOSES ONLY. SEE SITE PLAN FOR ALL LAYOUT AND GRADING INFORMATION.

3. THE LANDSCAPE WORK OF THIS PROJECT SHALL BE PERFORMED PER THE LATEST EDITION OF THE PRINCE GEORGES COUNTY LANDSCAPE MANUAL.

4. PLANTS SHALL MEET OR EXCEED CURRENT "AMERICAN STANDARDS FOR NURSERY STOCK" BY AMERICAN ASSOCIATION OF NURSEYMAN (AAN) PARTICULARLY WITH REGARDS TO SIZE, GROWTH, SIZE OF BALL, AND DENSITY OF BRANCH STRUCTURE.

5. ALL PLANTS (B+B OR CONTAINER) SHALL BE PROPERLY IDENTIFIED BY WEATHERPROOF LABELS SECURELY ATTACHED THERETO BEFORE DELIVERY TO PROJECT SITE. LABELS SHALL IDENTIFY PLANTS BY NAME, SPECIES AND SIZE. LABELS SHALL NOT BE REMOVED UNTIL THE FINAL INSPECTION BY THE LANDSCAPE ARCHITECT.

6. ANY MATERIALS AND/OR WORK MAY BE REJECTED BY THE LANDSCAPE ARCHITECT IF IT DOES NOT MEET THE REQUIREMENTS OF THE SPECIFICATIONS. ALL REJECTED MATERIALS SHALL BE REMOVED FROM THE SITE BY THE CONTRACTOR.

7. PLANT QUANTITIES SHOWN IN THE PLANT LIST ARE FOR LANDSCAPE ARCHITECTS CONVENIENCE ONLY. PRIOR TO SUBMITTING A BID OR ESTIMATE, CONTRACTOR SHALL VERIFY THAT TOTAL QUANTITIES SHOWN ON THE PLAN MATCH QUANTITIES INDICATED IN PLANT LIST. SHOULD DISCREPANCIES OCCUR, PLANT INFORMATION SHALL TAKE PRIORITY, AND LANDSCAPE ARCHITECT SHALL BE NOTIFIED IMMEDIATELY.

8. THE CONTRACTOR SHALL FURNISH ALL PLANTS TO COMPLETE THE WORK AS INDICATED ON THE PLAN AND SPECIFIED IN THE PLANT LIST.

9. SUBSTITUTIONS IN PLANT SPECIES OR SIZE SHALL NOT BE PERMITTED EXCEPT WITH THE WRITTEN APPROVAL OF THE LANDSCAPE ARCHITECT.

10. PLANTS SHALL BE LOCATED AS SHOWN ON THE DRAWINGS AND BY STAKING OR AS DESIGNATED IN THE FIELD BY THE LANDSCAPE ARCHITECT. ALL LOCATIONS OF PLANTS AND PLANTING BEDS ARE TO BE STAKED AND APPROVED BY THE LANDSCAPE ARCHITECT BEFORE EXCAVATION.

11. ALL SOIL AREAS NOT SHOWN TO RECEIVE PLANT MATERIALS SHALL BE SEEDDED FOR LAWN AS SPECIFIED IN THE PRINCE GEORGES COUNTY LANDSCAPE MANUAL.

12. CONTRACTOR SHALL CONTACT MISS UTILITY (1-800-257-7777) PRIOR TO ANY EXCAVATION AND SHALL TAKE ALL NECESSARY PRECAUTIONS TO PROTECT THE EXISTING UTILITIES AND MAINTAIN UNINTERRUPTED SERVICES. ANY DAMAGE INCURRED DUE TO THE CONTRACTOR'S OPERATION SHALL BE REPAIRED IMMEDIATELY AT CONTRACTOR'S EXPENSE.

13. THE CONTRACTOR SHALL VERIFY ALL UTILITY LOCATIONS PRIOR TO CONSTRUCTION. SHOULD ANY CONFLICTS OCCUR BETWEEN PROPOSED CONSTRUCTION OR PLANTINGS AND ACTUAL UTILITY LOCATIONS, THE OWNER AND THE LANDSCAPE ARCHITECT MUST BE NOTIFIED PRIOR TO ANY EXCAVATION OR GRADING. ALL ENTRANCE WALLS, PIERS AND PLANTING BED LOCATIONS MUST BE FIELD STAKED BY THE CONTRACTOR AND THE LOCATION APPROVED BY THE OWNER PRIOR TO CONSTRUCTION.

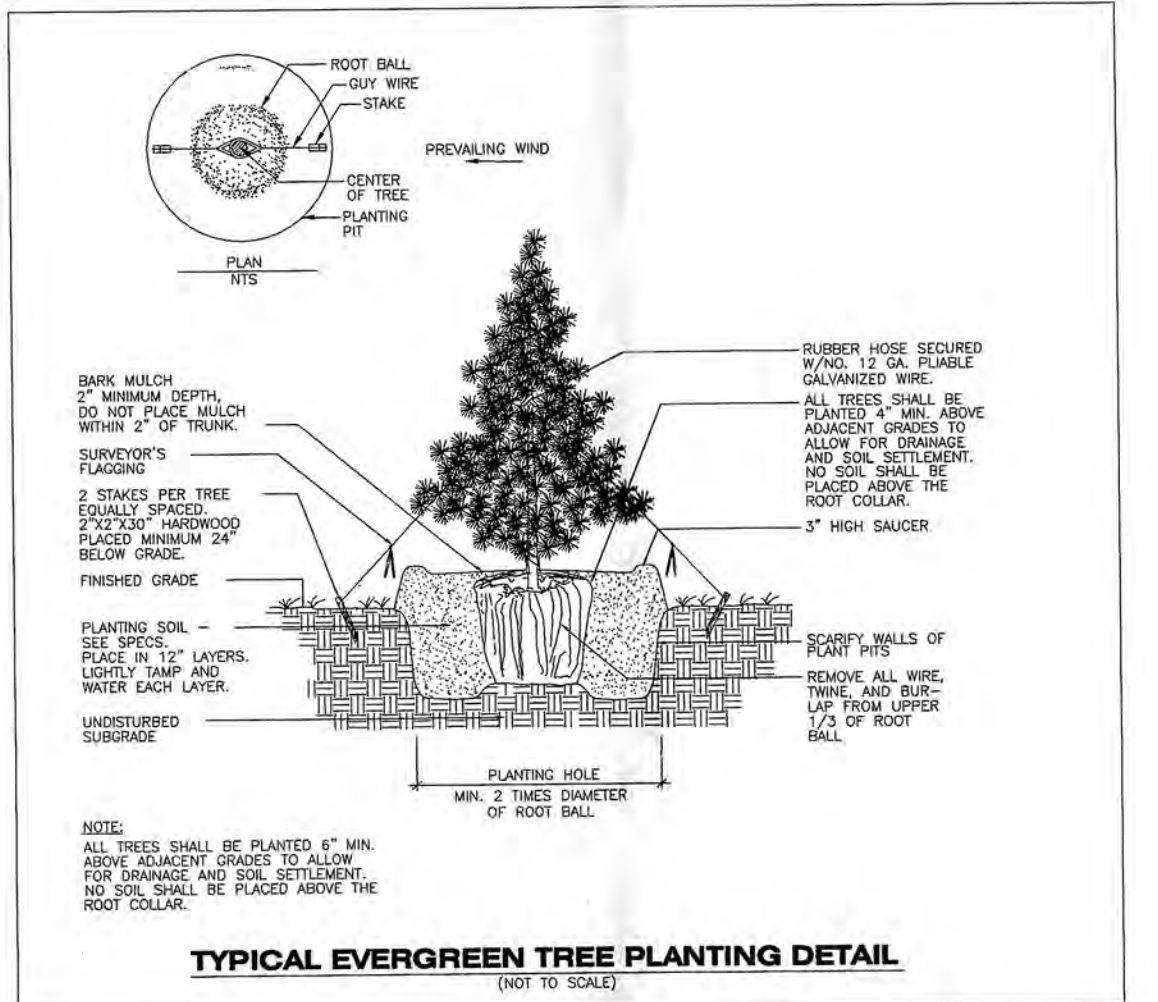
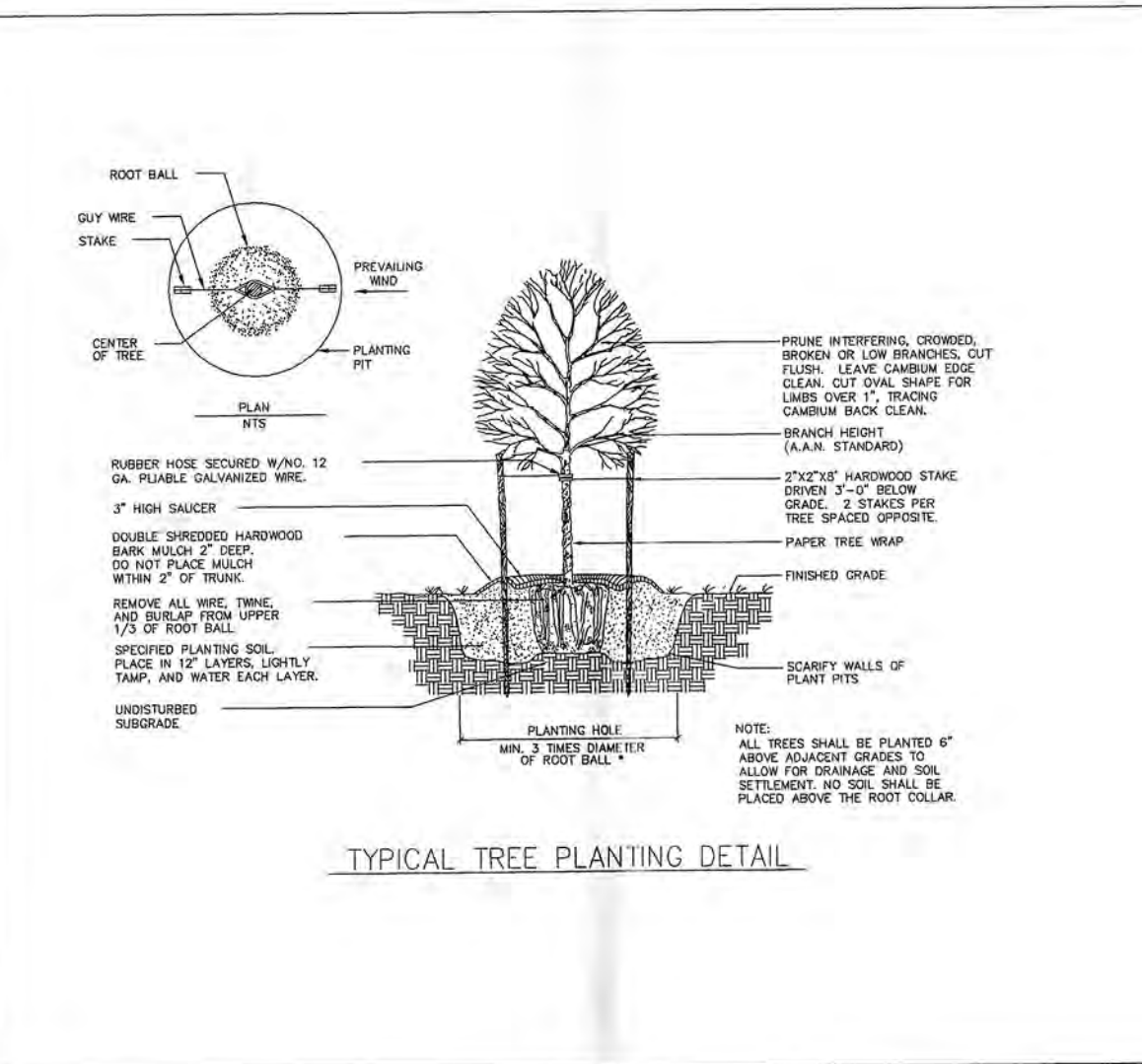
14. IF UTILITY LINES ARE ENCOUNTERED IN EXCAVATION OF TREE PITS, OTHER LOCATIONS FOR THE TREES SHALL BE SELECTED BY THE LANDSCAPE ARCHITECT. SUCH CHANGES SHALL BE MADE BY THE CONTRACTOR WITHOUT ADDITIONAL COMPENSATION. NO CHANGES OF LOCATION SHALL BE MADE WITHOUT THE APPROVAL OF THE LANDSCAPE ARCHITECT.

15. NO WORK IN PUBLIC RIGHT-OF-WAY SHALL BE DONE UNLESS ALL THE REQUIRED PERMITS ARE OBTAINED.

16. ALL EQUIPMENT AND TOOLS SHALL BE PLACED SO AS TO NOT INTERFERE OR HINDER THE PEDESTRIAN AND VEHICULAR TRAFFIC FLOW.

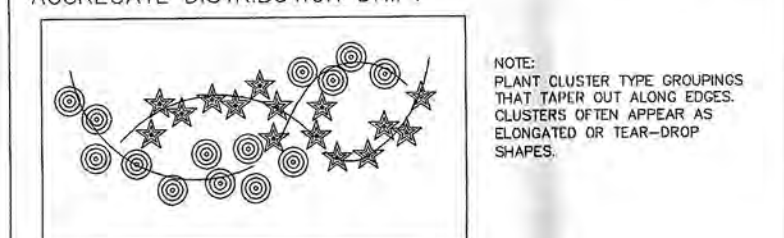
17. DURING PLANTING OPERATIONS EXCESS AND WASTE MATERIALS SHALL BE DISPOSED OF PROPERLY OFFSITE AT NO EXTRA COST TO THE OWNER.

18. ALL PLANTS AND LANDSCAPE WORK IN THE BIORETENTION AREAS, AS NOTED ON THE PLAN, SHALL BE INSTALLED IN STRICT ACCORDANCE WITH THE GUIDELINES SET FORTH IN THE PRINCE GEORGE'S COUNTY "DESIGN MANUAL FOR USE OF BIORETENTION IN STORMWATER MANAGEMENT."

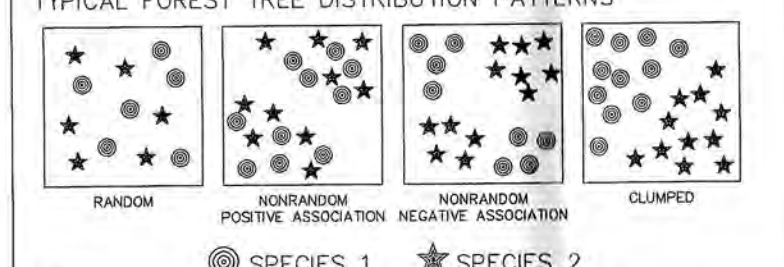


PLANTING DISTRIBUTION PATTERNS AFFORESTATION & REFORESTATION AREAS

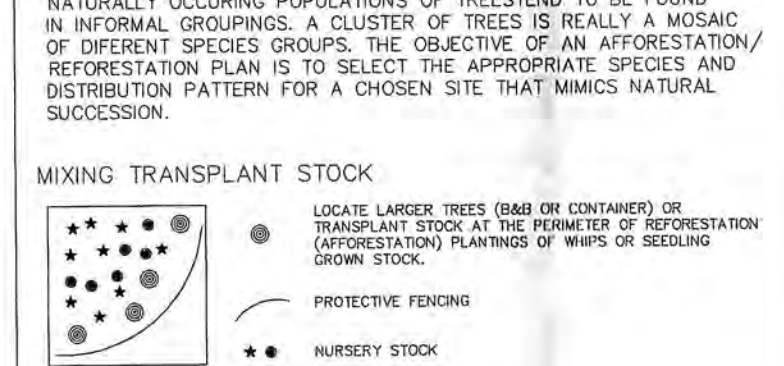
AGGREGATE DISTRIBUTION DRIFT



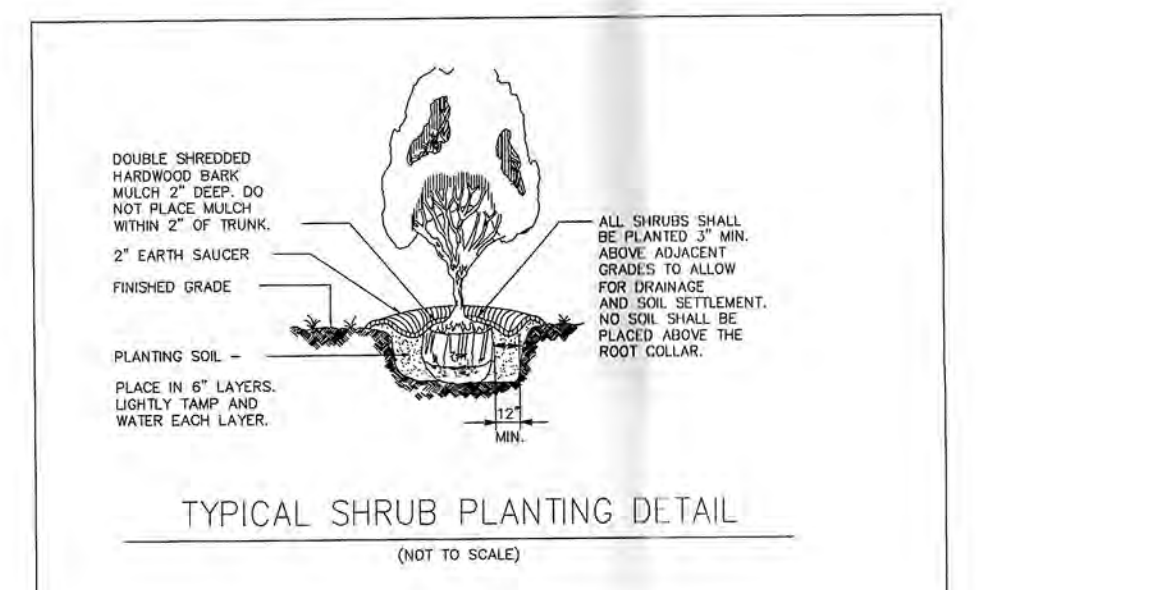
TYPICAL FOREST TREE DISTRIBUTION PATTERNS



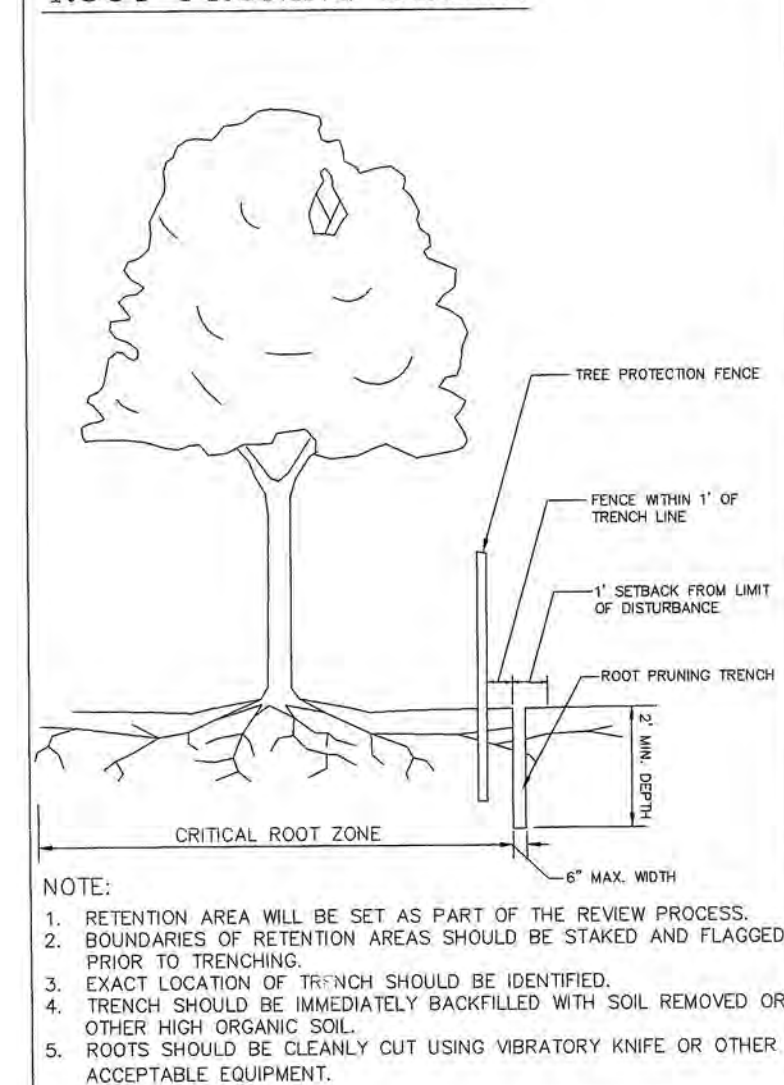
MIXING TRANSPLANT STOCK



NOTE: USE THIS PATTERN, EXCEPT WHERE NOTED.



ROOT PRUNING DETAIL



AFFORESTATION AREA #1									
Botanical Name	Species	Common Name	Caliper	Height	Credits/Unit	Type	Quantity	Reforestation Credits	Percent of Stocking
Liriodendron tulipifera	Tulip Poplar	Tulip Poplar	1-1.5"	3	B&B	0	0	0	0.0%
Quercus rubra	Northern Red Oak	Northern Red Oak	1-1.5"	3	B&B	0	0	0	0.0%
Quercus alba	White Oak	White Oak	1-1.5"	3	B&B	0	0	0	0.0%
Liquidambar styraciflua	Sweetgum	Sweetgum	1-1.5"	3	B&B	0	0	0	0.0%
Acer rubrum	Red Maple	Red Maple	1-1.5"	3	B&B	0	0	0	0.0%
Cercis canadensis	Eastern Redbud	Eastern Redbud	1-1.5"	3	B&B	0	0	0	0.0%
Ilex opaca (M)	American Holly (male)	American Holly (male)	6-8"	6	B&B	0	0	0	0.0%
Ilex opaca (F)	American Holly (female)	American Holly (female)	6-8"	6	B&B	0	0	0	0.0%
Pinus taeda	Loblolly Pine	Loblolly Pine	6-8"	6	B&B	0	0	0	0.0%
Quercus rubra	Northern Red Oak	Northern Red Oak	Seeding	1	Container	0	0	0	0.0%
Liquidambar styraciflua	Sweetgum	Sweetgum	Seeding	1	Container	0	0	0	0.0%
Liriodendron tulipifera	Tulip Poplar	Tulip Poplar	Seeding	1	Seeding	0	0	0	0.0%
Reforestation Units Provided								0	0.0%
Total Reforestation Units Required								0	0.0%
Excess								0	0.0%

AFFORESTATION AREA #2									
Botanical Name	Species	Common Name	Caliper	Height	Credits/Unit	Type	Quantity	Reforestation Credits	Percent of Stocking
Liriodendron tulipifera	Tulip Poplar	Tulip Poplar	1-1.5"	3	B&B	0	0	0	0.0%
Quercus rubra	Northern Red Oak	Northern Red Oak	1-1.5"	3	B&B	0	0	0	0.0%
Quercus alba	White Oak	White Oak	1-1.5"	3	B&B	0	0	0	0.0%
Liquidambar styraciflua	Sweetgum	Sweetgum	1-1.5"	3	B&B	0	0	0	0.0%
Acer rubrum	Red Maple	Red Maple	1-1.5"	3	B&B	0	0	0	0.0%
Cercis canadensis	Eastern Redbud	Eastern Redbud	1-1.5"	3	B&B	0	0	0	0.0%
Ilex opaca (M)	American Holly (male)	American Holly (male)	6-8"	6	B&B	0	0	0	0.0%
Ilex opaca (F)	American Holly (female)	American Holly (female)	6-8"	6	B&B	0	0	0	0.0%
Pinus taeda	Loblolly Pine	Loblolly Pine	6-8"	6	B&B	0	0	0	0.0%
Quercus rubra	Northern Red Oak	Northern Red Oak	Seeding	1	Container	0	0	0	0.0%
Liquidambar styraciflua	Sweetgum	Sweetgum	Seeding	1	Container	0	0	0	0.0%
Liriodendron tulipifera	Tulip Poplar	Tulip Poplar	Seeding	1	Seeding	0	0	0	0.0%
Reforestation Units Provided								0	0.0%
Total Reforestation Units Required								0	0.0%
Excess								0	0.0%

AFFORESTATION AREA #3									
Botanical Name	Species	Common Name	Caliper	Height	Credits/Unit	Type	Quantity	Reforestation Credits	Percent of Stocking
Liriodendron tulipifera	Tulip Poplar	Tulip Poplar	1-1.5"	3	B&B	0	0	0	0.0%
Quercus rubra	Northern Red Oak	Northern Red Oak	1-1.5"	3	B&B	0	0	0	0.0%
Quercus alba	White Oak	White Oak	1-1.5"	3	B&B	0	0	0	0.0%
Liquidambar styraciflua	Sweetgum	Sweetgum	1-1.5"	3	B&B	0	0	0	0.0%
Acer rubrum	Red Maple	Red Maple	1-1.5"	3	B&B	0	0	0	0.0%
Cercis canadensis	Eastern Redbud	Eastern Redbud	1-1.5"	3	B&B	0	0	0	0.0%
Ilex opaca (M)	American Holly (male)	American Holly (male)	6-8"	6	B&B	0	0	0	0.0%
Ilex opaca (F)	American Holly (female)	American Holly (female)	6-8"	6	B&B	0	0	0	0.0%
Pinus taeda	Loblolly Pine	Loblolly Pine	6-8"	6	B&B	0	0	0	0.0%
Quercus rubra	Northern Red Oak	Northern Red Oak	Seeding	1	Container	0	0	0	0.0%
Liquidambar styraciflua	Sweetgum	Sweetgum	Seeding	1	Container	0	0	0	0.0%
Liriodendron tulipifera	Tulip Poplar	Tulip Poplar	Seeding	1	Seeding	0	0	0	0.0%
Reforestation Units Provided								0	0.0%
Total Reforestation Units Required								0	0.0%
Excess								0	0.0%

AFFORESTATION AREA #4									
Botanical Name	Species	Common Name	Caliper	Height	Credits/Unit	Type	Quantity	Reforestation Credits	Percent of Stocking
Liriodendron tulipifera	Tulip Poplar	Tulip Poplar	1-1.5"	3	B&B	8	24	9.2%	9.2%
Quercus rubra	Northern Red Oak	Northern Red Oak	1-1.5"	3	B&B	8	18	6.9%	6.9%
Quercus alba	White Oak	White Oak	1-1.5"	3	B&B	4	12	4.6%	4.6%
Liquidambar styraciflua	Sweetgum	Sweetgum	1-1.5"	3	B&B	5	15	5.8%	5.8%
Acer rubrum	Red Maple	Red Maple	1-1.5"	3	B&B	5	15	5.8%	5.8%
Cercis canadensis	Eastern Redbud	Eastern Redbud	1-1.5"	3	B&B	5	15	5.8%	5.8%
Ilex opaca (M)	American Holly (male)	American Holly (male)	6-8"	6	B&B	3	18	6.9%	6.9%
Ilex opaca (F)	American Holly (female)	American Holly (female)	6-8"	6	B&B	7	42	16.2%	16.2%
Pinus taeda	Loblolly Pine	Loblolly Pine	6-8"	6	B&B	4	24	9.2%	73.8%