

LEGEND

- Forest Save Areas
- Forest Clear Areas
- Reforestation Areas
- Significant Tree Replacement Trees
- Symbol for Significant Tree Replacement Trees
- PREVIOUS APPROVED SIGNIFICANT TREES TO REMAIN

- Limit of Disturbance
- Proposed Tree Protection Fence
- Root Prune Areas
- Critical Root Zone Limit of Significant Trees
- Significant Trees
- Significant Trees to be Removed
- Street Trees to be Removed

See Sheet 5 of 8
for planting plan
in this area

SEE SHEET FFCPA-3.0 FOR
THE UPDATED PLAN

Vika
VIKA MARYLAND, LLC
20251 Century Blvd., Suite 400
Germantown, MD 20874
301.916.4100 | vika.com
Our Site Set on the Future.

PREPARED FOR:
MICHAEL HARRIS
PROPERTIES AT
TOWER OAKS
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ENGINEER / PLANNER /
LANDSCAPE ARCHITECT
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301.916.4100
CONTACT: MICHAEL GOODMAN
E-MAIL: GOODMAN@VIKA.COM

EXOTIC & INVASIVE SPECIES PROTOCOL

All plants listed as exotic and invasive by the Maryland Department of Natural Resources Natural Heritage Division shall be removed from the forest conservation easement areas including within the existing forest and reforestation areas prior to planting. The exotic and invasive plants must be controlled during the entire two-year warranty and maintenance agreement period. All spraying must be done by a Maryland licensed pesticide applicator. The applicator is responsible for obtaining the proper permits from M.D.E.

The invasive species treatment plan is at the discretion of the contractor, however, contractor must control invasive species on a regular basis, and be able to respond to City requests for immediate control measures as needed. Contractor may control invasives outside the LOD in order to insure compliance of invasive species control within the project site.

Soil Stockpile Note:

Because of restricted options for soil stockpiling, no long term stockpile areas will be established. Only small amounts of soil storage on a short term basis will be retained around the interior of the disturbed site area.

10,124 sq. ft.
per Plat #23507

Total Forest Conservation
~~10,145 sq. ft.~~
0.23 Ac.

SITE SOLUTIONS, INC.
20410 Observation Drive Suite 200
Germantown, Maryland 20878-4000
(301) 540-7980 Fax (301) 540-7981
Planting Engineering Landscape Architecture

Signature & Seal of qualified person:
Donald W. Rothkopf, P.E.
Date: 8/14/23 2025
MD RLA #161



1	Revised per City Forester's comments dated 6/30/06	7/3/06
2	Revised Limit of Disturbance along Tower Oaks Blvd for wall construction	8/28/06
3	Indicate street tree removal east of walk along T.O. Blvd. + replacements	8/29/06
NO	REVISION	DATE

APPLICANT:
2000 Tower Oaks Boulevard, LLC
11501 Huff Court
North Bethesda, Maryland 20895
301-984-7000
Attn: Jeffrey Abramson

CASE NUMBER: FFCPA-00005
CITY OF ROCKVILLE
PLANNING AND
DEVELOPMENT SERVICES
01/09/2025
DATE SIGNED
01/08/2025
DATE APPROVED
AS DIRECTED

FOREST CONSERVATION PLAN - FULL PROPERTY
TOWER OAKS II HOTEL JOINT VENTURE SITE
ROCKVILLE (4TH) DISTRICT
CITY OF ROCKVILLE
MONTGOMERY COUNTY, MARYLAND

SIGNIFICANT TREE REPLACEMENT TREES

Trees indicated (See Legend) as significant tree replacement trees are indicated on this drawing for informational purposes only. See the Landscape Plans prepared by Oculus for complete landscape plan design data. The replacement trees indicated on this Forest Conservation Plan are redundant to the Oculus landscape plans.

THE INFORMATION DESIGN AND CONTENT OF THESE DRAWINGS OR DOCUMENTS ARE PROPRIETARY TO VIKA MARYLAND, LLC. THESE DOCUMENTS ARE NOT TO BE REPRODUCED, COPIED, OR OTHERWISE USED FOR ANY PURPOSES WITHOUT THE WRITTEN PERMISSION OF VIKA MARYLAND, LLC. VIKA MARYLAND, LLC ASSUMES NO LIABILITY FOR ANY ERRORS OR OMISSIONS. VIKA MARYLAND, LLC IS NOT A LICENSED PROFESSIONAL ENGINEER OR ARCHITECT IN THE STATE OF MARYLAND. VIKA MARYLAND, LLC IS NOT A LICENSED PROFESSIONAL ENGINEER OR ARCHITECT IN THE STATE OF MARYLAND. VIKA MARYLAND, LLC IS NOT A LICENSED PROFESSIONAL ENGINEER OR ARCHITECT IN THE STATE OF MARYLAND.

NOTE: SHEET'S 6, 7 & 8 ARE LANDSCAPE PLANS PREPARED BY OCULUS

DATE	08/29/2006	SHEET	1366
DATE	08/29/2006	PROJ. NO.	FFCPA-1.0



Tree Protection and Planting Notes

Protection:

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. Attendees shall include the developer's representative, construction superintendent, Maryland Licensed Tree Expert (if required), City Forester (telephone: 240-314-8713 or 8710), and sediment control inspector. It is the developer's responsibility to coordinate and schedule the pre-construction meeting.

No clearing or grading shall begin before storm reduction measures as indicated on the approved Forest Conservation Plan (FCP) have been implemented, unless otherwise permitted by the City Forester. Appropriate measures may include:

- A. Root pruning.
- B. Crown reduction or pruning.
- C. Watering.
- D. Fertilizing.
- E. Vertical mulching.

A Maryland Licensed Tree Expert and International Society of Arboriculture Certified Arborist must perform all stress-reduction measures. Documentation of stress reduction must be sent to the City Forester at 14625 Redgub Drive, Rockville, Maryland 20850.

Temporary tree protection devices shall be installed in accordance with the FCP prior to any construction activities. Tree protection fencing locations should be staked in the field prior to the preconstruction meeting or, if installed, be prepared to make field adjustments as determined by the City Forester.

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

Long-term protection devices (see FCP) may include:

- A. Root aeration systems.
- B. Retaining walls.
- C. Raised sidewalks.
- D. Tunneling of utilities.
- E. Pier and panel walls.
- F. Porous pavements.

Long-term protection devices will be installed per the Forest Conservation Plan and attached details. Installation will occur at the appropriate time during the construction project.

Periodic inspections by the City Forester will occur during the construction project. Corrections and repairs to all tree protection devices, as determined by the City Forester, must be made in a timely fashion.

Planting:

Prior to installation of landscaping, afforestation or reforestation, the applicant must schedule an on-site preplanting meeting with the City Forester by calling 240-314-8713. Attendees shall include the contractor, landscaper, and City Forester. All details of the planting plan will be discussed including:

- **Plant quality**
 - o Trees shall conform to the current version of the American Standard for Nursery Stock (ANSI Z66.1).
 - o Proper form for species
 - o No co-dominant stems or multiple trunks (unless approved by City Forester)
 - o Sound graft union
 - o Girdling roots removed
 - o Trees shall be healthy, vigorous and insect/disease free
- **Proper planting**
 - o Exposed root flare
 - o Wire baskets/twine/burlap removed from top half of root ball
 - o All synthetic burlap or twine removed completely
 - o No hose and wire
 - o Hole twice the size of the root ball
 - o Mulched properly
 - o Wildlife protection installed (if required)

Trees not complying with above may be rejected at the discretion of the City Forester. Tree planting will not be permitted between the dates of June 1 and September 1 or when the ground is frozen.

Post Planting:

The City Forester must be notified IN WRITING when the planting is complete. The maintenance and warranty period will not begin until the City Forester has accepted ALL planting. Trees will be inspected for plant quality and proper planting in accordance with City specifications. Once the maintenance period has begun, the applicant is responsible to maintain plant health in accordance with the signed Maintenance Agreement. Routine inspections will be conducted throughout the warranty period and the applicant will be notified in writing when corrective measures are required. Failure to complete the work by the given date may result in fines being issued, permits revoked or other punitive measures. Such maintenance shall include when appropriate, but not necessarily be limited to:

- Watering, fertilizing and control of competing vegetation during the initial planting and through the maintenance period as may be necessary.
- Pruning, mulching, fighting and removal of galls and stakes within 6 months, resetting of plants to proper grades or upright position, and fertilizing and applying such sprays or other forms necessary to thwart damage from insects and disease.
- Providing protection measures such as fencing and interpretive signs as necessary, to prevent destruction or degradation of the planting site.
- Following those standards contained in the Forest Conservation Manual for the protection and satisfactory establishment of forest where applicable.
- Eradicate, suppress and control invasive exotic plant species during the maintenance period to the satisfaction of the City Forester.
- Installing and maintaining devices to protect against wildlife damage.
- Removal of staking and girdling after six months.

Post-Construction:

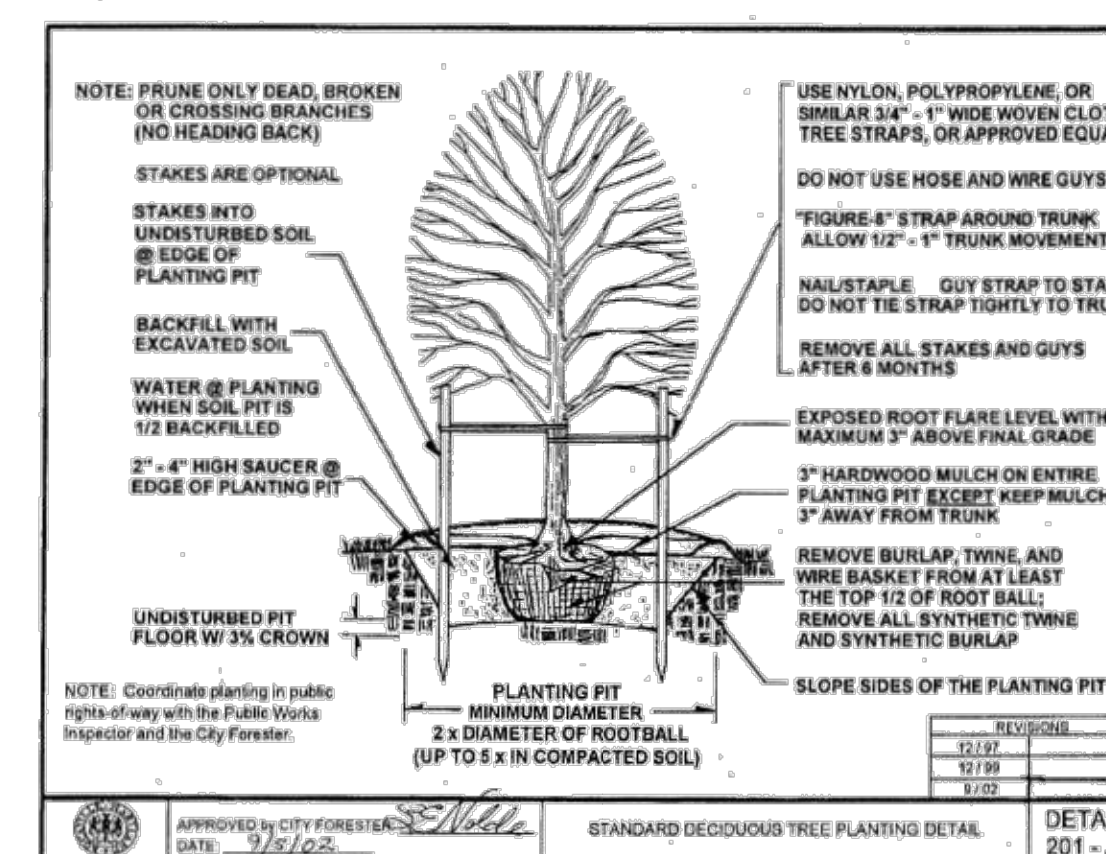
An inspection shall be requested IN WRITING after construction is completed. Corrective measures may be required for existing trees and/or forest areas, which may include, but are not limited to, the following:

- Removal and replacement of dead or dying trees.
- Pruning of dead or declining limbs.
- Soil aeration.
- Fertilization.
- Watering.
- Wound repair.
- Cleanup of debris.

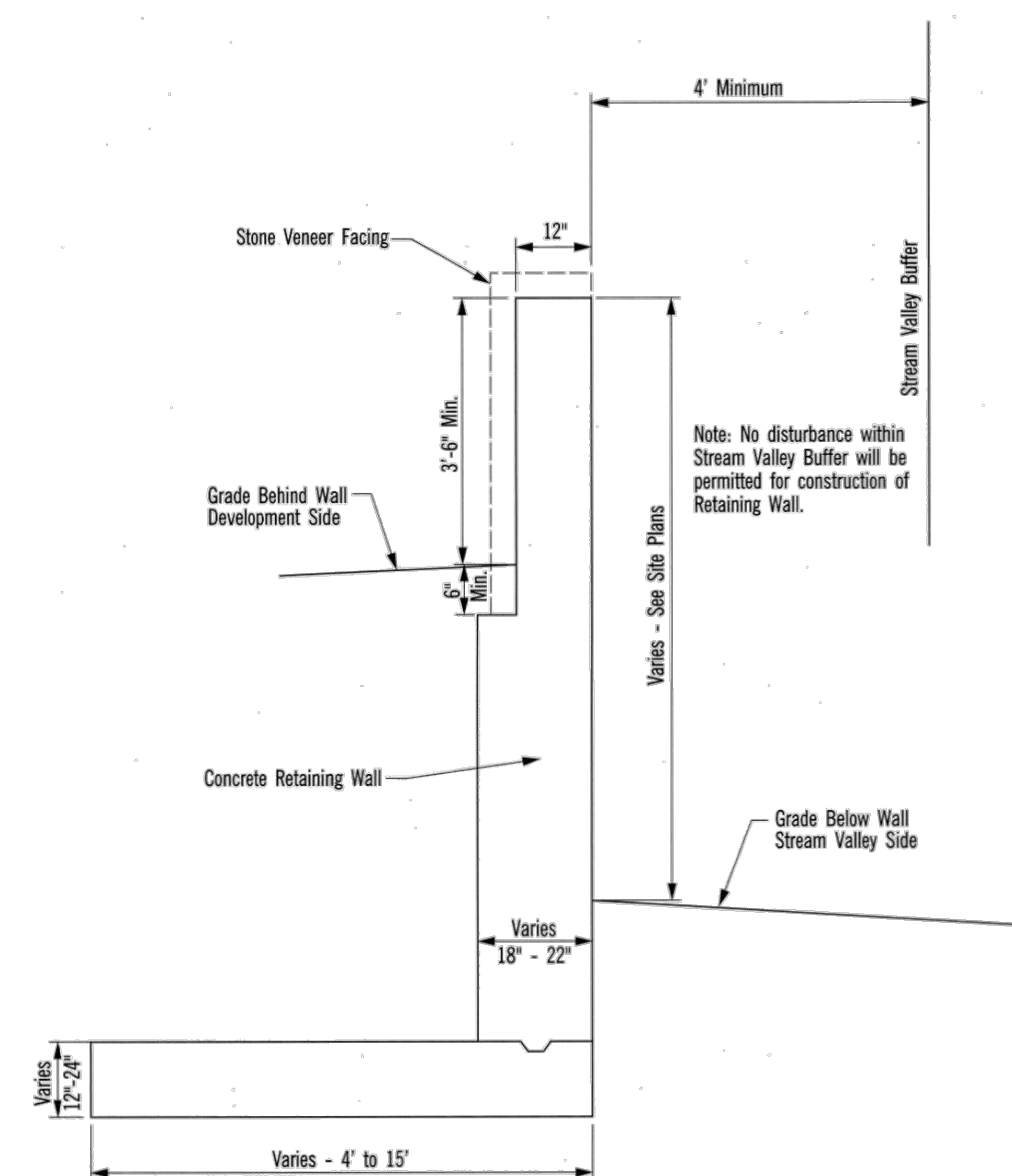
After inspection and completion of corrective measures have been undertaken, all temporary protection devices shall be removed from the site. No additional grading, mounding, or burial of debris may take place.

Significant Tree Replacement List

TAG #	DBH	SPECIES	REQ'D REPLACEMENTS
501	30"	Tulip Poplar	3
502	26"	Tulip Poplar	3
503	27"	Tulip Poplar	3
504	28"	Tulip Poplar	3
505	24"	Tulip Poplar	3
506	24"/15"	Tulip Poplar	3
507	28"	Tulip Poplar	3
508	28"	Tulip Poplar	3
509	28"	Tulip Poplar	3
510	24"	Tulip Poplar	2
511	24"	Tulip Poplar	3
512	24"	Tulip Poplar	3
513	24"	Tulip Poplar	3
514	28"	Tulip Poplar	3
515	24"	Tulip Poplar	3
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518	24"	Tulip Poplar	3
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521	24"	Tulip Poplar	2
522	24"	Tulip Poplar	2
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524	24"	Tulip Poplar	2
525	23"	Tulip Poplar	3
526	23"	Tulip Poplar	3
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531	24"	Tulip Poplar	3
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534	24"	Tulip Poplar	2
535	23"	Tulip Poplar	3
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582	24"	Tulip Poplar	3
583	24"	Tulip Poplar	3
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587	24"	Tulip Poplar	3
588	24"	Tulip Poplar	3
589	24"	Tulip Poplar	3
590	24"	Tulip Poplar	3
591	24"	Tulip Poplar	3
592	24"	Tulip Poplar	3
Total Replacement Trees Required			117
Credit for Extra Trees to be planted at Tower Oaks Regional Park			7
TOTAL TREES TO BE PLANTED FOR THIS REPLACEMENT APPLICATION			110
All trees to be planted shall be a minimum of 2.5" caliper.			



NOTE: Use this planting detail for all trees to be planted in the Forest Planting Area.



NOTE: SEE RETAINING WALL CONSTRUCTION PLANS
PREPARED BY SK&A, STRUCTURAL ENGINEERS FOR
CONSTRUCTION DETAILS OF RETAINING WALLS. THIS
PLAN NOT TO BE USED FOR RETAINING WALL
CONSTRUCTION.

KEY #	BOTANICAL NAME	COMMON NAME	SIZE*	QUANTITY	REMARKS
1	Acer rubrum	Red Maple	2" - 2.5" cal. / 12" - 14" ht.	10	B & B only
2	Cercis canadensis	Eastern Redbud	2" - 2.5" cal. / 8" - 10" ht.	10	B & B only
3	Liriodendron tulipifera	Tulip Poplar	2" - 2.5" cal. / 12" - 14" ht.	10	B & B only
4	Platanus occidentalis	Sycamore	2" - 2.5" cal. / 12" - 14" ht.	15	B & B only
5	Quercus phellos	Willow Oak	2" - 2.5" cal. / 12" - 14" ht.	15	B & B only

NOTE: Reforestation Area "B": 1,809 sq.ft. / 5 trees proposed - See Landscape Plan, Sheet's 6-8 for tree specification

CASE NUMBER FTP2001-00005

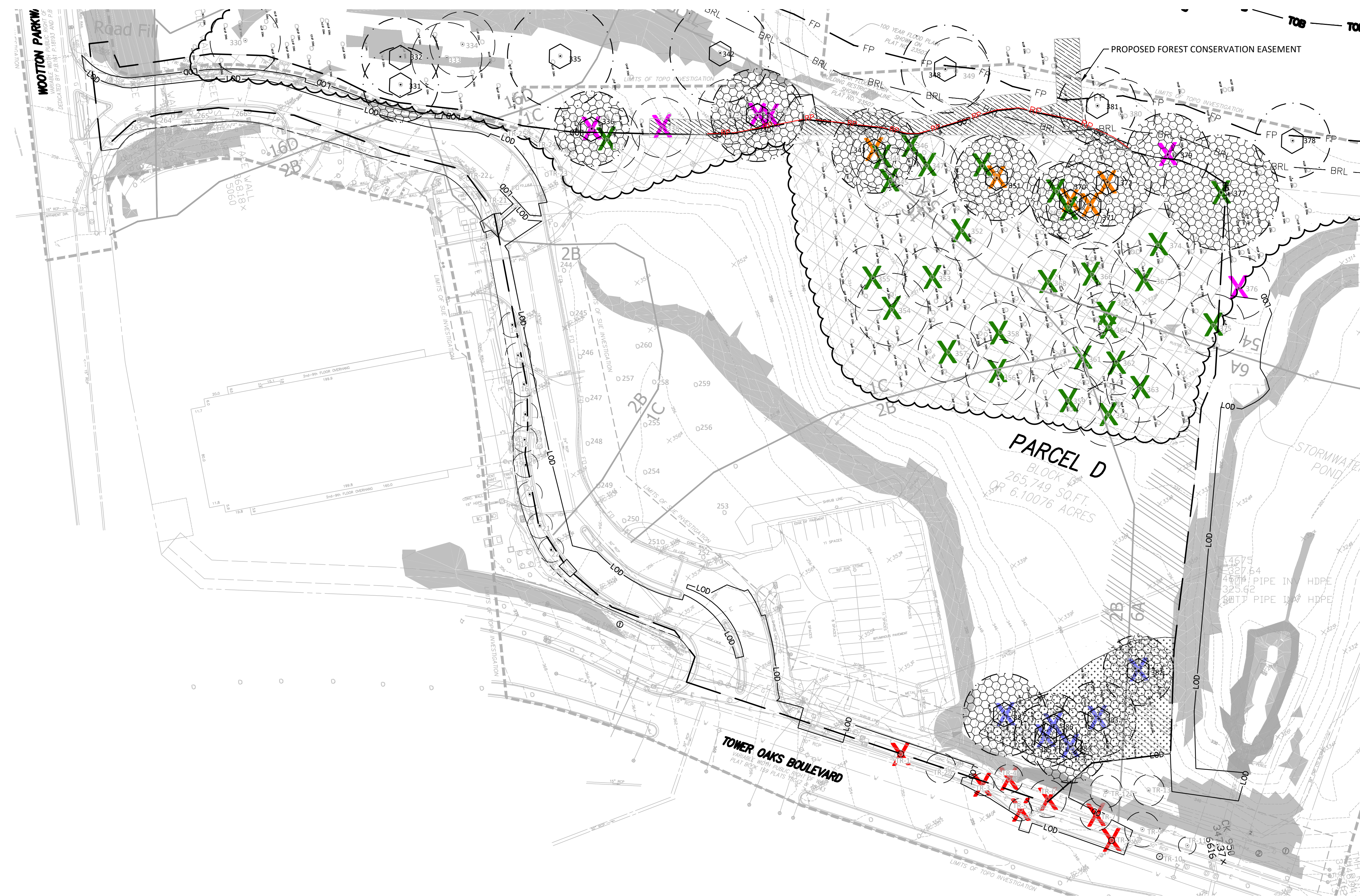
APPROVED BY
**CITY OF ROCKVILLE
 PLANNING AND
 DEVELOPMENT SERVICES**

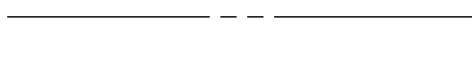



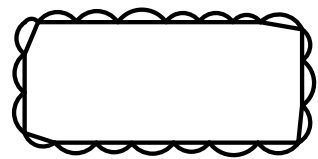



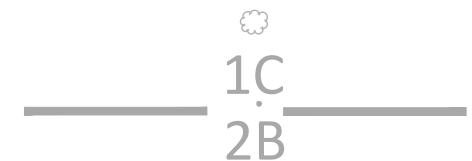



















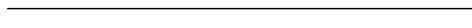

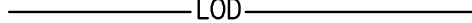


01/08/2025
 DATE SIGNED

01/08/2025
 DATE APPROVED

[Signature]
 AS DIRECTED

SOILS CHART						
MAP UNIT SYMBOL	MAP UNIT NAME	K FACTOR / WHOLE	DRAINAGE CLASS	HIGH ERODIBILITY (Y/N)*	HYDRIC INCLUSION %	HYDROLOGIC SOIL GROUP
1C	Gaia silt loam, 8 to 15 percent slopes	0.43	Well Drained	N		B
2B	Genesee silt loam, 3 to 8 percent slopes	0.37	Well Drained	N		B
6A	Bulls silt loam, 0 to 3 percent slopes	0.37	Poorly Drained	N		C/D
16D	Brinklow-Blocktown channery silt loams, 15 to 25 percent slopes	0.2	Well Drained	N		C
54A	Hatboro silt loam, 0 to 3 percent slopes, frequently flooded	N/A	Poorly Drained	N/A		B/D



- | | | | |
|---|---|---|---|
|  | ADJACENT PROPERTY LINES |  | EX. TELEPHONE MANHOLE |
|  | TRACT AREA BOUNDARY |  | EX. GAS |
|  | EX. TREE CANOPY EDGE
(NOT FOREST) |  | EX. STORM MANHOLE |
|  | EX. FOREST TO BE REDUCED
(1.9 ACRES) |  | EX. SEWER MANHOLE |
|  | TREE WITH NO CREDIT |  | EX. WATER VALVE |
|  | SOIL TYPE |  | EX. FIRE HYDRANT |
|  | SLOPES 25% AND GREATER |  | EX. STREET LIGHT |
|  | EX. ELECTRICAL CONDUIT |  | PREVIOUSLY APPROVED
SIGNIFICANT TREE TO BE REMOVED |
|  | EX. FENCE LINE |  | SIGNIFICANT / SPECIMEN TREE WITHIN
FOREST SETTING TO BE REMOVED |
|  | EX. OVERHEAD WIRES |  | SIGNIFICANT / SPECIMEN TREE WITHIN
LANDSCAPE SETTING TO BE REMOVED |
|  | EX. TELEPHONE/COMM. CONDUIT |  | OFFSITE SIGNIFICANT / SPECIMEN
TREE TO BE REMOVED |
|  | EX. PUBLIC UTILITIES EASEMENTS |  | STREET TREE TO BE REMOVED |
|  | EX. SANITARY SEWER |  | ROOT PRUNING |
|  | EX. STORM DRAIN | | |
|  | EX. WATER LINE | | |
|  | EX. EDGE OF PAVEMENT | | |
|  | EX. CURB AND GUTTER | | |
|  | PROP. EDGE OF PAVEMENT | | |
|  | PROP. CURB AND GUTTER | | |
|  | PROP. LIMITS OF DISTURBANCE | | |

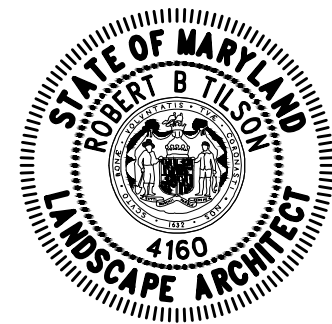
- 
- ENGINEERS PLANNERS
LANDSCAPE ARCHITECTS SURVEYORS
- VIKA MARYLAND, LLC
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GERMANTOWN, MARYLAND 20874
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FAX: (301) 916-2262
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- OWNER/APPLICANT:
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e-mail: hschwab@streetscapepartners.com

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[illegible]

PROFESSIONAL SEAL



I HEREBY CERTIFY THAT THESE DOCUMENTS WERE
PREPARED OR APPROVED BY ME, AND THAT I AM A
DULY LICENSED, REGISTERED LANDSCAPE ARCHITECT
UNDER THE LAWS OF THE STATE OF MARYLAND.
NAME: ROBERT TILSON, RLA, FASLA
LICENSE No.: 4160
EXPIRATION DATE: 07/22/2026

**MICHAEL
HARRIS HOMES
AT TOWER
OAKS**
4TH ELECTION DISTRICT
ROCKVILLE
MONTGOMERY COUNTY,
MARYLAND
WSSC GRID: 217NW06
TAX MAP: GQ33

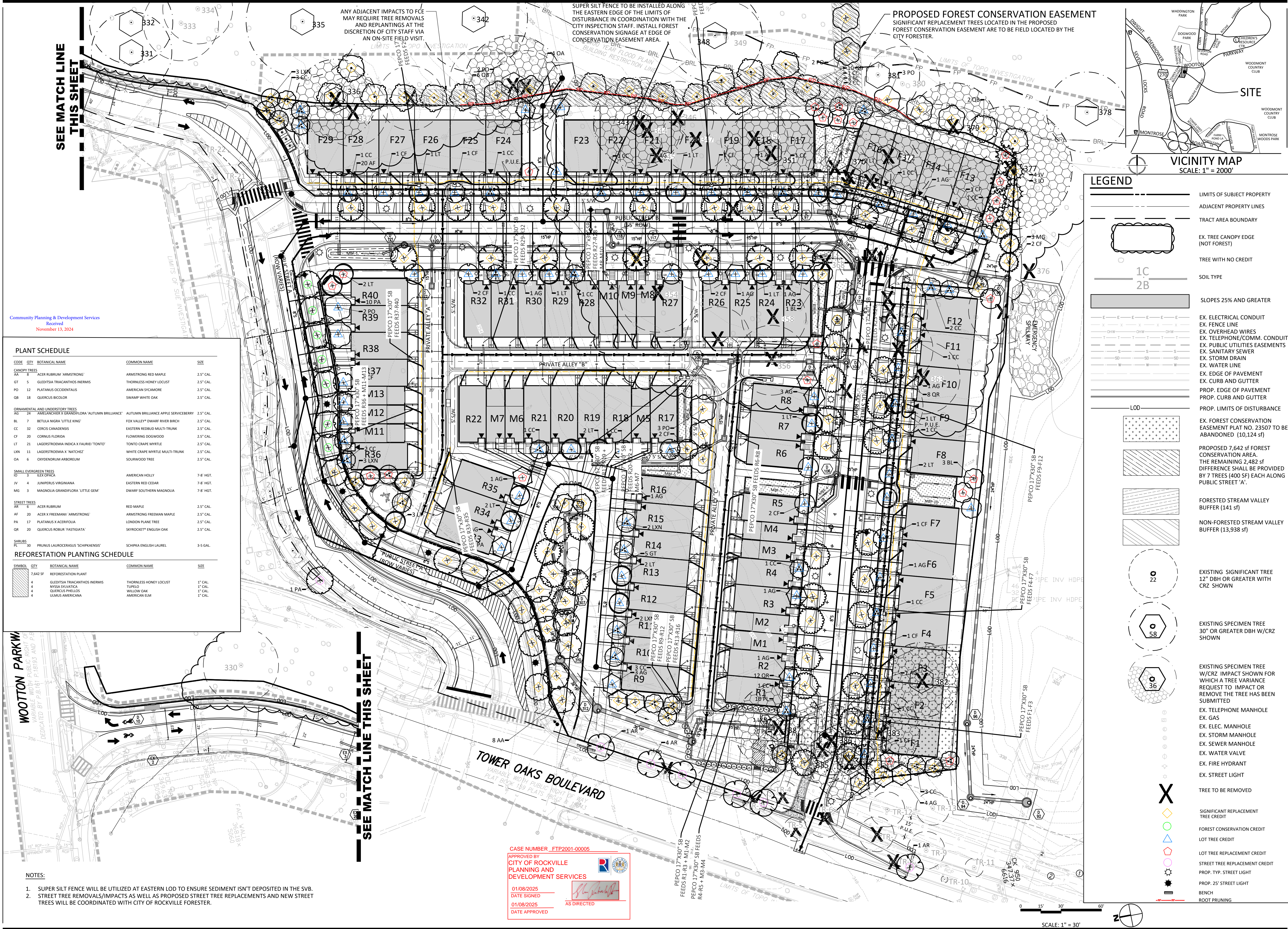
FINAL FOREST CONSERVATION PLAN AMENDMENT

OVERALL & EXISTING TREE REMOVAL

DRAWN BY: XR/ZS
DESIGNED BY: RBT
DATE ISSUED:

VIKA
PROJECT VM50567A
DRAWING
NO.

SHEET NO. FFCPA-2.0



Vika

ENGINEERS PLANNERS
LANDSCAPE ARCHITECTS SURVEYORS
Vika Maryland, LLC
20251 CENTURY BOULEVARD SUITE #400
GERMANTOWN, MARYLAND 20874
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FAX: (301) 916-2262
GERMANTOWN, MD. MCLEAN, VA.

OWNER/APPLICANT:
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PH: 301.978.3606
CONTACT: Harris Schwalb
e-mail: hschwalb@streetscapepartners.com

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e-mail: Goodman@vika.com

ATTORNEY:
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SUITE 700
ROCKVILLE, MD 20850
301.517.4804
CONTACT: ERIN GIRARD
e-mail: egirard@MilesStockbridge.com

REVISIONS

DATE

PROFESSIONAL SEAL

STATE OF MARYLAND
ROBERT T. TILSON
LANDSCAPE ARCHITECT
4160

I HEREBY CERTIFY THAT THESE DOCUMENTS WERE
PREPARED OR APPROVED BY ME, AND THAT I AM A
DULY LICENSED, REGISTERED LANDSCAPE ARCHITECT
UNDER THE LAWS OF THE STATE OF MARYLAND.
NAME: ROBERT TILSON, RLA, FASLA
LICENSE NO. 4160
EXPIRATION DATE: 07/22/2024

MICHAEL HARRIS HOMES AT TOWER OAKS
4TH ELECTION DISTRICT
ROCKVILLE
MONTGOMERY COUNTY,
MARYLAND
WSSC GRID: 217NW06
TAX MAP: GQ33

FINAL FOREST CONSERVATION PLAN
AMENDMENT - 30 SCALE

DRAWN BY: XR/ZS
DESIGNED BY: RBT
DATE ISSUED:

Vika
PROJECT: VM50567A
DRAWING NO.

SHEET NO. FFCPA-3.0



ENGINEER / PLANNER /
LANDSCAPE ARCHITECT:
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P: 301.916.4100
CONTACT: MICHAEL GOODMAN
Email: Goodman@vika.com

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The seal is circular with a double-lined border. The outer ring contains the text "STATE OF MARYLAND" at the top and "LANDSCAPE ARCHITECT" at the bottom, separated by small vertical dashes. Inside this ring, the name "ROBERT B. TILSON" is written in a slightly smaller font. At the center of the seal is the coat of arms of the State of Maryland, which depicts a shield with a ship (the Anne) and a figure holding a bow and arrow. Below the shield is a scroll with the date "1776". The number "4160" is printed at the bottom of the seal, just above the outer ring.


**MICHAEL
ARRIS HOMES
AT TOWER
OAKS**
4TH ELECTION DISTRICT
ROCKVILLE
MONTGOMERY COUNTY,
MARYLAND
WSSC GRID: 217NW06
TAX MAP: GQ33

DRAWN BY: XR/ZS
DESIGNED BY: RBT
DATE ISSUED: _____
PROJECT VM50567A
DRAWING
Q.

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SEE MATCH LINE THIS SHEET

REFORESTATION PLANTING SCHEDULE				
SYMBOL	QTY	BOTANICAL NAME	COMMON NAME	SIZE
	7,642 SF	REFORESTATION PLANT		
	4	GLEXYTHA TRIACANTHOS INERMIS	THORNLESS HONEY LOCUST	1" CAL.
	4	NYSSA SYLVATICA	TUPELO	1" CAL.
	4	QUERCUS PHELLOS	WILLOW OAK	1" CAL.
	4	ULMUS AMERICANA	AMERICAN ELM	1" CAL.

01/08/2025
DATE SIGNED

01/08/2025
DATE APPROVED

AS DIRECTED

SUPER SILT FENCE WILL BE UTILIZED AT EASTERN LOD TO ENSURE SEDIMENT ISN'T DEPOSITED IN THE SVB.

SCALE: 1" = 30'



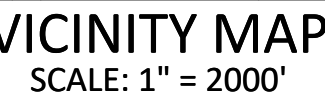
ENGINEER / PLANNER /
LANDSCAPE ARCHITECT:
VIKA MARYLAND, LLC
251 CENTURY BOULEVARD
SUITE 400
BETHESDA, MD 20874
P: 301.916.4100
CONTACT: MICHAEL GOODMAN
Email: Goodman@vika.com

[illegible]

The seal is circular with a double-lined border. The outer ring contains the text "STATE OF MARYLAND" at the top and "LANDSCAPE ARCHITECT" at the bottom, separated by small vertical dashes. Inside this ring, the name "ROBERT B. TILSON" is written in a slightly smaller font. At the center of the seal is the coat of arms of the State of Maryland, which depicts a shield with a ship (the Anne) and a figure holding a bow and arrow. Below the shield is a scroll with the motto "FIDELITY BRAVERY INTEGRITY". The number "4160" is printed at the bottom of the seal, just above the outer ring.

**MICHAEL
ARRIS HOMES
AT TOWER
OAKS**
4TH ELECTION DISTRICT
ROCKVILLE
MONTGOMERY COUNTY,
MARYLAND
WSSC GRID: 217NW06
TAX MAP: GQ33

SHEET NO. FFCPA-3.2



z EASTERN LOD TO ENSURE SEDIMENT
ISN'T DEPOSITED IN THE SVB.

SUPER SILT FENCE TO BE INSTALLED ALONG THE EASTERN EDGE OF THE LIMITS OF DISTURBANCE IN COORDINATION WITH THE CITY INSPECTION STAFF. INSTALL FOREST CONSERVATION SIGNAGE AT EDGE OF CONSERVATION EASEMENT AREA.

November 13, 2024

DATE APPROVED _____

0 25 50' 100'

SCALE: 1" = 50'



ENGINEER / PLANNER /
LANDSCAPE ARCHITECT:
VIKA MARYLAND, LLC
251 CENTURY BOULEVARD
SUITE 400
BETHESDA, MD 20874
P: 301.916.4100
CONTACT: MICHAEL GOODMAN
Email: Goodman@vika.com

REVISIONS	DATE
-----------	------

[illegible]

PROFESSIONAL SEAL



I HEREBY CERTIFY THAT THESE DOCUMENTS WERE
PREPARED OR APPROVED BY ME, AND THAT I AM A
DULY LICENSED, REGISTERED LANDSCAPE ARCHITECT
UNDER THE LAWS OF THE STATE OF MARYLAND.
NAME: ROBERT TILSON, RLA, FASLA
LICENSE No.: 4160
EXPIRATION DATE: 07/22/2024

**MICHAEL
ARRIS HOMES
AT TOWER
OAKS**
4TH ELECTION DISTRICT
ROCKVILLE
MONTGOMERY COUNTY,
MARYLAND
WSSC GRID: 217NW06
TAX MAP: GQ33

CLEAN FINAL
FOREST
CONSERVATION
PLAN
AMENDMENT -
PROPOSED
PLANTING
EXHIBIT

PROJECT	VM50567A
---------	----------

DRAWING
D.

SHEET NO. FFCPA-3.3



TABLE 1 - TREE APPLICATION SUMMARY TABLE

TREE TYPE	QUANTITY	TREES APPLIED TO SIGNIFICANT TREE REPLACEMENT (ON SITE)	TREES APPLIED TO SIGNIFICANT TREE REPLACEMENT (OFF SITE)	TREES APPLIED TO STREET TREE REPLACEMENT	TREES APPLIED TO FC CREDIT	TREES ON LOT APPLIED TO LOT TREE	TREES APPLIED TO LOT TREE REPLACEMENT
PREVIOUS APPROVED TREE	41	41	0	0	0	0	0
STREET TREE	63	49	0	7	7	0	0
CANOPY TREE	43	15	26	0	0	2	0
SMALL EVERGREEN TREE	10	6	0	0	0	0	4
ORNAMENTAL TREE	121	24	0	0	0	79	18
TOTAL APPLIED		135	26	7	7	81	22
TOTAL	278						

TABLE 2 - SIGNIFICANT TREE CREDIT SUMMARY TABLE

REQUIRED SIGNIFICANT REPLACEMENT			161 TREES
PROVIDED	Previous Approved #	Prop.#	
STREET TREES	26	49	75 TREES
CANOPY TREES	9	41	50 TREES
LARGE EVERGREEN	6	0	6 TREES
SMALL EVERGREEN	0	6	6 TREES
ORNAMENTAL TREES	0	24	24 TREES
TOTAL PROVIDED	41	120	161 TREES
NOTES: SEE FFCPA-1.0 FOR PREVIOUS APPROVED SIGNIFICANT TREE TO REMAIN. SEE FFCPA-3.0 AND 3.1 FOR PROPOSED SIGNIFICANT REPLACEMENT TREE CREDIT.			

TABLE 4 - STREET TREE REPLACEMENT TABLE

STREET TREE REPLACEMENT TABLE	
STREET TREE REPLACEMENT PROVIDED	7
STREET TREE REPLACEMENT REQUIRED	7
NOTE: SEE FFCPA-3.0 AND 3.1 FOR STREET TREE REPLACEMENT CREDIT.	

TABLE 5 - FOREST CONSERVATION EASEMENT TABULATIONS

FOREST CONSERVATION EASEMENT TABULATION				
TREE TYPE	QUANTITY	TREES APPLIED TO FC CREDIT	SQ. FOOTAGE PER TREE TYPE	TOTAL SQ. FOOTAGE
STREET TREES (NEW ROADS)	63	7	400	2,800
TOTAL REMAINING AFFORESTATION FROM FOREST CONSERVATION EASEMENT ABANDONMENT				0.06 AC.
REMAINING AFFORESTATION COVERED BY TOTAL PROVIDED				2,481
REQUIRED SF AFTER THE COVERAGE				0
REQUEST FEE-IN-LIEU (\$5/SF)				\$0.00

TABLE 6 - MINIMUM TREE COVER

MINIMUM TREE COVER			
TRACT AREA SF	ZONING	MTC REQUIRED %	MTC SF REQUIRED
265,754		15	39863
TREE COVER PROVIDED SF	NUMBER OF TREES	SF CREDIT PER TREE	TOTAL SF CREDIT
FORESTED AREA	N/A	N/A	
EXISTING LANDSCAPE TREES		25% OF CRZ	
LARGE SHADE TREES	106	400	42400
LARGE EVERGREEN		400	0
SMALL SHADE/ORNAMENTAL	121	200	24200
SMALL EVERGREEN	10	200	2000
		TOTAL SF	68600

TABLE 7 - FOREST CONSERVATION WORKSHEET

CITY OF ROCKVILLE FOREST CONSERVATION WORKSHEET February 2010									
NET TRACT AREA:									
A. Total tract area ...									23.04
B. Deductions (land dedication not in construction on this plan, other deductions - specify)									0.00
C. Net Tract Area									23.04
LAND USE CATEGORY:									
ZONING:	R-400, R-200	R-90, R-75, R-60, R-150	RMD10, RMD15, RMD25	I-L, I-H, RPR, RPC, MXT, MXC, MXNC, MXB, MXE, MXCD, MXTD, PD	Park				
Place a "1" under the column corresponding to the correct zone of the site									
Zone: (choose only one)	0	0	0		1	0			
D. Afforestation Threshold ...					15%	x C =			3.46
E. Conservation Threshold ...					15%	x C =			3.46
EXISTING FOREST COVER:									
F. Existing forest cover (within net tract)									19.23
G. Area of forest above conservation threshold									15.77
BREAK EVEN POINT:									
H. Breakeven Point (amount of forest retained so that no mitigation is required)....									6.61
I. Clearing permitted without mitigation									12.62
PROPOSED FOREST CLEARING:									
J. Total area of forest to be cleared									11.72
K. Total area of forest to be retained									7.51
PLANTING REQUIREMENTS:									
L. Reforestation for clearing above conservation threshold									2.93
M. Reforestation for clearing below conservation threshold									0.00
N. Credit for retention above conservation threshold									4.05
P. Total reforestation required									0.00
Q. Total afforestation required									0.00
R. Total planting requirement									0.00

NOTES:
SEE FTP2001_00005 FOR APPROVED CITY OF ROCKVILLE FOREST CONSERVATION WORKSHEET.
THIS AMENDMENT REDUCES THE EXISTING FOREST BY 1.9 ACRES (SEE FTP2001_00005 RESOURCES DATA TABLE), LEAVING 7.51 ACRES FOREST TO BE RETAINED. THIS INCREASES THE REFORESTATION FOR CLEARING ABOVE THE CONSERVATION THRESHOLD TO 2.93 ACRES AND THE CREDIT FOR RETENTION ABOVE THE CONSERVATION THRESHOLD IS REDUCED TO 4.05 ACRES.

TABLE 8 - EXISTING SIGNIFICANT TREE SUMMARY CHART

TREE SUMMARY CHART												
Tower Oaks (50567) - PFCP / FFCP												
#	SCIENTIFIC NAME	COMMON NAME	DBH	Area CRZ	CTLA %	CRZ IMPACT (SF)	CRZ IMPACT %	DISPOSITION	OWED	REPLACEMENT TREES RECD.	CREDIT TYPE	MAXIMUM CREDIT AMOUNT
FOREST SETTING - FC EASEMENTS												
FOREST SETTING >= 24"DBH (NO CREDIT)												
337	Liriodendron tulipifera	Tulip Poplar	26	2124	88	2124	100.00	Remove		3		
343	Liriodendron tulipifera	Tulip Poplar	34	3632	88	3632	100.00	Remove		6		
344	Liriodendron tulipifera	Tulip Poplar	25	1963	88	1963	100.00	Remove		3		
345	Liriodendron tulipifera	Tulip Poplar	27	2290	97	2290	100.00	Remove		3		
346	Liriodendron tulipifera	Tulip Poplar	27	2290	94	2290	100.00	Remove		3		
347	Liriodendron tulipifera	Tulip Poplar	25	1963	97	1963	100.00	Remove		3		
350	Liriodendron tulipifera	Tulip Poplar	25	1963	81	1963	100.00	Remove		3		
351	Liriodendron tulipifera	Tulip Poplar	34	3632	94	3632	100.00	Remove		6		
352	Liriodendron tulipifera	Tulip Poplar	24	1810	97	1810	100.00	Remove		2		
353	Liriodendron tulipifera	Tulip Poplar	24	1810	94	1810	100.00	Remove		2		
354	Liriodendron tulipifera	Tulip Poplar	29	2642	91	2642	100.00	Remove		3		
355	Liriodendron tulipifera	Tulip Poplar	26	2124	100	2124	100.00	Remove		3		
356	Liriodendron tulipifera	Tulip Poplar	26	2124	97	2124	100.00	Remove		3		
357	Liriodendron tulipifera	Tulip Poplar	24	1810	97	1810	100.00	Remove		2		
358	Liriodendron tulipifera	Tulip Poplar	24	1810	94	1810	100.00	Remove		2		
359	Liriodendron tulipifera	Tulip Poplar	26	2124	97	2124	100.00	Remove		3		
360	Liriodendron tulipifera	Tulip Poplar	25	1963	94	1963	100.00	Remove		3		
361	Liriodendron tulipifera	Tulip Poplar	25	1963	94	1963	100.00	Remove		3		
362	Liriodendron tulipifera	Tulip Poplar	26	2124	91	2124	100.00	Remove		3		
363	Liriodendron tulipifera	Tulip Poplar	27	2290	100	2290	100.00	Remove		3		
364	Liriodendron tulipifera	Tulip Poplar	28	2463	91	2463	100.00	Remove		3		
365	Liriodendron tulipifera	Tulip Poplar	24	1810	100	1810	100.00	Remove		2		
366	Liriodendron tulipifera	Tulip Poplar	26	2124	97	2124	100.00	Remove		3		
367	Liriodendron tulipifera	Tulip Poplar	28	2463	91	2463	100.00	Remove		3		
368	Liriodendron tulipifera	Tulip Poplar	25	1963	97	1963	100.00	Remove		3		
369	Liriodendron tulipifera	Tulip Poplar	25	1963	91	1963	100.00	Remove		3		
370	Liriodendron tulipifera	Tulip Poplar	31	3019	100	3019	100.00	Remove		6		
371	Liriodendron tulipifera	Tulip Poplar	35	3848	97	3848	100.00	Remove		6		
372	Liriodendron tulipifera	Tulip Poplar	35	3848	94	3848	100.00	Remove		6		
373	Ulmus rubra	Slippery Elm	24	1810	75	1810	100.00	Remove		2		
374	Liriodendron tulipifera	Tulip Poplar	29	2642	91	2642	100.00	Remove		3		
375	Quercus alba	White Oak	25	1963	97	1963	100.00	Remove		3		
377	Liriodendron tulipifera	Tulip Poplar	46	6648	94	6648	100.00	Remove		6		
382	Liriodendron tulipifera	Tulip Poplar	28	2463	84	2463	100.00	Remove		3		
383	Liriodendron tulipifera	Tulip Poplar	30	2827	88	2827	100.00	Remove		6		
384	Liriodendron tulipifera	Tulip Poplar	29	2642	88	2642	100.00	Remove		3		
385	Liriodendron tulipifera	Tulip Poplar	25	1963	97	1963	100.00	Remove		3		
386	Liriodendron tulipifera	Tulip Poplar	26	2124	97	2124	100.00	Remove		3		
387	Liriodendron tulipifera	Tulip Poplar	33	3421	97	3421	100.00	Remove		6		
										135		
LANDSCAPE SETTING >= 12" DBH (NO EXISTING CREDIT)												
OFFSITE												
330	Liriodendron tulipifera	Tulip Poplar	28	2463	94	108	4.37	Save		0		
331	Liriodendron tulipifera	Tulip Poplar	36	4072	88	364	8.94	Save		0		
332	Liriodendron tulipifera	Tulip Poplar	31	3019	81	0	0.00	Save		0		
333	Liriodendron tulipifera	Tulip Poplar	28	2463	88	0	0.00	Save		0		
334	Liriodendron tulipifera	Tulip Poplar	26	2124	94	0	0.00	Save		0		
335	Liriodendron tulipifera	Tulip Poplar	42	5542	78	0	0.00	Save		0		
336	Prunus serotina	Black Cherry	30	2827	91	2827	100.00	Remove		6		
338	Liriodendron tulipifera	Tulip Poplar	24	1810	100	1810	100.00	Remove		2		
339	Liriodendron tulipifera	Tulip Poplar	26	2124	94	239	11.27	Save		0		
340	Liriodendron tulipifera	Tulip Poplar	37	4301	97	4301	100.00	Remove		6		
341	Liriodendron tulipifera	Tulip Poplar	27	2290	84	2290	100.00	Remove		3		
342	Liriodendron tulipifera	Tulip Poplar	40	5027	88	0	0.00	Save		0		
348	Liriodendron tulipifera	Tulip Poplar	35	3848	84	0	0.00	Save		0		
349	Liriodendron tulipifera	Tulip Poplar	27	2290	78	0	0.00	Save		0		
376	Carya tomentosa	Mockernut Hickory	25	1963	100	1963	100.00	Remove		3		
378	Acer rubrum	Red Maple	36	4072	94	0	0.00	Save		0		
379	Liriodendron tulipifera	Tulip Poplar	33	3421	88	3421	100.00	Remove		6		
380	Liriodendron tulipifera	Tulip Poplar	28	2463	91	204	8.28	Save		0		
381	Liriodendron tulipifera	Tulip Poplar	31	3019	97	421	13.95	Save		0		
										26		
STREET TREES OF ANY SIZE (EXISTING); STREET TREES MAY HAVE PRIOR												
TR-1	Acer rubrum	Red Maple	2.5	44	78	0	0.00	Remove	0	1		0
TR-2	Acer rubrum	Red Maple	12	1018	88	0	0.00	Save	N/A	0		0
TR-3	Acer rubrum	Red Maple	9	573	94	573	100.00	Remove	0	1		0
TR-4	Acer rubrum	Red Maple	11.5	935	91	935	100.00	Remove	0	1		0
TR-5	Acer rubrum	Red Maple	9	573	91	573	100.00	Remove	0	1		0
TR-6	Acer platanoides	Norway Maple	15	1590	75	1590	100.00	Remove	0	1		0
TR-7	Acer platanoides	Norway Maple	13	1195	78	1195	100.00	Remove	0	1		0
TR-8	Acer rubrum	Red Maple	2.5	44	94	44	100.00	Remove	0	1		0
TR-9	Acer platanoides	Norway Maple	14	1385	75	1385	100.00	Save	N/A	0		0
TR-10	Acer rubrum	Red Maple	2.5	44	78	0	0.00	Save	N/A	0		0
TR-11	Acer rubrum	Red Maple	7	346	100	0	0.00	Save	N/A	0		0
TR-12	Platanus occidentalis	American Sycamore	13	1195	94	0	0.00	Save	N/A	0		0
TR-13	Platanus occidentalis	American Sycamore	12.5	1104	94	0	0.00	Save	N/A	0		0
										7		
Previous Individual Tree Credit Provided							0					
Previous Significant Replacements Provided							41					
Previous Individual Tree Credit Missing/Removed										0		
Previous Significant Replacements Owed										0		
Existing Previous Individual Tree Credit										0	#REF!	
Proposed Existing CRZ Credit											#REF!	
New Maximum Existing Individual Tree Credit											#REF!	

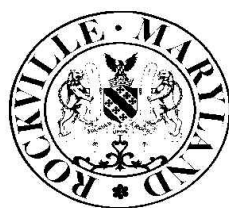
TABLE 1 - EXISTING INSIGNIFICANT TREE SUMMARY CHART

TREE SUMMARY CHART					
Tower Oaks (50567) - PFCP / FFCP					
#	SCIENTIFIC NAME	COMMON NAME	DBH	DISPOSITION	REPLACEMENT TREES REQD.
FOREST SETTING > = 6", < 24" DBH (NO CREDIT)					
1	<i>Robinia pseudoacacia</i>	Black Locust	12	REMOVE	0
2	<i>Robinia pseudoacacia</i>	Black Locust	12	REMOVE	0
3	<i>Robinia pseudoacacia</i>	Black Locust	11.5	REMOVE	0
4	<i>Robinia pseudoacacia</i>	Black Locust	10.5	REMOVE	0
5	<i>Robinia pseudoacacia</i>	Black Locust	13	REMOVE	0
6	<i>Liriodendron tulipifera</i>	Tulip Poplar	22	REMOVE	0
7	<i>Liriodendron tulipifera</i>	Tulip Poplar	12	REMOVE	0
8	<i>Liriodendron tulipifera</i>	Tulip Poplar	21	REMOVE	0
9	<i>Liriodendron tulipifera</i>	Tulip Poplar	21.5	REMOVE	0
10	<i>Liriodendron tulipifera</i>	Tulip Poplar	16.5	REMOVE	0
11	<i>Liriodendron tulipifera</i>	Tulip Poplar	16.5	REMOVE	0
12	<i>Liriodendron tulipifera</i>	Tulip Poplar	18	REMOVE	0
13	<i>Liriodendron tulipifera</i>	Tulip Poplar	9.5	REMOVE	0
14	<i>Liriodendron tulipifera</i>	Tulip Poplar	19	REMOVE	0
15	<i>Liriodendron tulipifera</i>	Tulip Poplar	19.5	REMOVE	0
16	<i>Robinia pseudoacacia</i>	Black Locust	12	REMOVE	0
17	<i>Robinia pseudoacacia</i>	Black Locust	8	REMOVE	0
18	<i>Ilex opaca</i>	American Holly	6	REMOVE	0
19	<i>Liriodendron tulipifera</i>	Tulip Poplar	9.5	REMOVE	0
20	<i>Liriodendron tulipifera</i>	Tulip Poplar	23	REMOVE	0
21	<i>Liriodendron tulipifera</i>	Tulip Poplar	19	REMOVE	0
22	<i>Prunus serotina</i>	Black Cherry	11.5	REMOVE	0
23	<i>Liriodendron tulipifera</i>	Tulip Poplar	20	REMOVE	0
24	<i>Acer rubrum</i>	Red Maple	8	REMOVE	0
25	<i>Acer rubrum</i>	Red Maple	14	REMOVE	0
26	<i>Robinia pseudoacacia</i>	Black Locust	12.5	REMOVE	0
27	<i>Liriodendron tulipifera</i>	Tulip Poplar	15.5	REMOVE	0
28	<i>Robinia pseudoacacia</i>	Black Locust	14	REMOVE	0
29	<i>Liriodendron tulipifera</i>	Tulip Poplar	6.5	REMOVE	0
30	<i>Liriodendron tulipifera</i>	Tulip Poplar	19	REMOVE	0
31	<i>Liriodendron tulipifera</i>	Tulip Poplar	7	REMOVE	0
32	<i>Robinia pseudoacacia</i>	Black Locust	9	REMOVE	0
33	<i>Robinia pseudoacacia</i>	Black Locust	12	REMOVE	0
34	<i>Robinia pseudoacacia</i>	Black Locust	7	REMOVE	0
35	<i>Liriodendron tulipifera</i>	Tulip Poplar	22	REMOVE	0
36	<i>Liriodendron tulipifera</i>	Tulip Poplar	23	REMOVE	0
37	<i>Liriodendron tulipifera</i>	Tulip Poplar	20	REMOVE	0
38	<i>Liriodendron tulipifera</i>	Tulip Poplar	22.5	REMOVE	0
39	<i>Liriodendron tulipifera</i>	Tulip Poplar	20	REMOVE	0
40	<i>Liriodendron tulipifera</i>	Tulip Poplar	20	REMOVE	0
41	<i>Liriodendron tulipifera</i>	Tulip Poplar	19	REMOVE	0
42	<i>Liriodendron tulipifera</i>	Tulip Poplar	20	REMOVE	0
43	<i>Liriodendron tulipifera</i>	Tulip Poplar	18	REMOVE	0
44	<i>Liriodendron tulipifera</i>	Tulip Poplar	22.5	REMOVE	0
45	<i>Acer rubrum</i>	Red Maple	19.5	REMOVE	0
46	<i>Liriodendron tulipifera</i>	Tulip Poplar	13	REMOVE	0
47	<i>Liriodendron tulipifera</i>	Tulip Poplar	20	REMOVE	0
48	<i>Liriodendron tulipifera</i>	Tulip Poplar	21	REMOVE	0
49	<i>Liriodendron tulipifera</i>	Tulip Poplar	16.5	REMOVE	0
50	<i>Liriodendron tulipifera</i>	Tulip Poplar	21	REMOVE	0
51	<i>Liriodendron tulipifera</i>	Tulip Poplar	19	REMOVE	0
52	<i>Liriodendron tulipifera</i>	Tulip Poplar	17	REMOVE	0
53	<i>Liriodendron tulipifera</i>	Tulip Poplar	18	REMOVE	0
54	<i>Liriodendron tulipifera</i>	Tulip Poplar	14.5	REMOVE	0
55	<i>Liriodendron tulipifera</i>	Tulip Poplar	21.5	REMOVE	0
56	<i>Liriodendron tulipifera</i>	Tulip Poplar	20	REMOVE	0
57	<i>Liriodendron tulipifera</i>	Tulip Poplar	17.5	REMOVE	0
58	<i>Liriodendron tulipifera</i>	Tulip Poplar	16.5	REMOVE	0
59	<i>Liriodendron tulipifera</i>	Tulip Poplar	19	REMOVE	0
60	<i>Liriodendron tulipifera</i>	Tulip Poplar	21	REMOVE	0
61	<i>Liriodendron tulipifera</i>	Tulip Poplar	13	REMOVE	0
62	<i>Liriodendron tulipifera</i>	Tulip Poplar	20.5	REMOVE	0
63	<i>Liriodendron tulipifera</i>	Tulip Poplar	17	REMOVE	0
64	<i>Ulmus americana</i>	American Elm	8.5	REMOVE	0
65	<i>Liriodendron tulipifera</i>	Tulip Poplar	18	REMOVE	0
66	<i>Liriodendron tulipifera</i>	Tulip Poplar	17	REMOVE	0
67	<i>Liriodendron tulipifera</i>	Tulip Poplar	16.5	REMOVE	0
68	<i>Liriodendron tulipifera</i>	Tulip Poplar	19	REMOVE	0
69	<i>Liriodendron tulipifera</i>	Tulip Poplar	15	REMOVE	0
70	<i>Liriodendron tulipifera</i>	Tulip Poplar	12	REMOVE	0
71	<i>Liriodendron tulipifera</i>	Tulip Poplar	21	REMOVE	0
72	<i>Liriodendron tulipifera</i>	Tulip Poplar	22.5	REMOVE	0
73	<i>Liriodendron tulipifera</i>	Tulip Poplar	20	REMOVE	0
74	<i>Liriodendron tulipifera</i>	Tulip Poplar	15	REMOVE	0
75	<i>Liriodendron tulipifera</i>	Tulip Poplar	23	REMOVE	0
76	<i>Liriodendron tulipifera</i>	Tulip Poplar	19	REMOVE	0
77	<i>Liriodendron tulipifera</i>	Tulip Poplar	9	REMOVE	0
78	<i>Liriodendron tulipifera</i>	Tulip Poplar	17	REMOVE	0
79	<i>Acer rubrum</i>	Red Maple	10	REMOVE	0
80	<i>Liriodendron tulipifera</i>	Tulip Poplar	22	REMOVE	0
81	<i>Liriodendron tulipifera</i>	Tulip Poplar	20	REMOVE	0
82	<i>Liriodendron tulipifera</i>	Tulip Poplar	11.5	REMOVE	0
83	<i>Liriodendron tulipifera</i>	Tulip Poplar	21.5	REMOVE	0
84	<i>Acer rubrum</i>	Red Maple	8	REMOVE	0
85	<i>Liriodendron tulipifera</i>	Tulip Poplar	16.5	REMOVE	0
86	<i>Liriodendron tulipifera</i>	Tulip Poplar	22.5	REMOVE	0
87	<i>Liriodendron tulipifera</i>	Tulip Poplar	15	REMOVE	0
88	<i>Liriodendron tulipifera</i>	Tulip Poplar	23	REMOVE	0
89	<i>Liriodendron tulipifera</i>	Tulip Poplar	23.5	REMOVE	0
90	<i>Liriodendron tulipifera</i>	Tulip Poplar	12	REMOVE	0
91	<i>Liriodendron tulipifera</i>	Tulip Poplar	14	REMOVE	0
92	<i>Liriodendron tulipifera</i>	Tulip Poplar	22	REMOVE	0
93	<i>Liriodendron tulipifera</i>	Tulip Poplar	7	REMOVE	0
94	<i>Robinia pseudoacacia</i>	Black Locust	13.5	SAVE	0
95	<i>Liriodendron tulipifera</i>	Tulip Poplar	20.5	REMOVE	0
96	<i>Acer rubrum</i>	Red Maple	8.5	SAVE	0

NOTE: PLEASE SEE SHEET FFCP-2.0 FOR TREE LOCATIONS.

97	<i>Robinia pseudoacacia</i>	Black Locust	12	REMOVE	0
98	<i>Acer rubrum</i>	Red Maple	18.5	SAVE	0
99	<i>Acer rubrum</i>	Red Maple	13.5	SAVE	0
100	<i>Acer rubrum</i>	Red Maple	11.5	SAVE	0
101	<i>Liriodendron tulipifera</i>	Tulip Poplar	20.5	REMOVE	0
102	<i>Ulmus americana</i>	American Elm	22	REMOVE	0
103	<i>Quercus rubra</i>	Red Oak	14	SAVE	0
104	<i>Acer rubrum</i>	Red Maple	15.5	SAVE	0
105	<i>Liriodendron tulipifera</i>	Tulip Poplar	13	SAVE	0
106	<i>Acer rubrum</i>	Red Maple	17.5	SAVE	0
107	<i>Robinia pseudoacacia</i>	Black Locust	17	SAVE	0
108	<i>Acer rubrum</i>	Red Maple	16	SAVE	0
109	<i>Quercus rubra</i>	Red Oak	17	SAVE	0
110	<i>Acer rubrum</i>	Red Maple	7.5	SAVE	0
111	<i>Acer rubrum</i>	Red Maple	10	SAVE	0
112	<i>Quercus rubra</i>	Red Oak	12	SAVE	0
113	<i>Acer rubrum</i>	Red Maple	17	SAVE	0
114	<i>Acer rubrum</i>	Red Maple	15, 8	SAVE	0
115	<i>Carya glabra</i>	Pignut Hickory	9.5	SAVE	0
116	<i>Prunus serotina</i>	Black Cherry	9	SAVE	0
117	<i>Nyssa sylvatica</i>	Black Gum	13.5	SAVE	0
118	<i>Acer rubrum</i>	Red Maple	14	SAVE	0
119	<i>Liriodendron tulipifera</i>	Tulip Poplar	16	SAVE	0
120	<i>Liriodendron tulipifera</i>	Tulip Poplar	18	SAVE	0
121	<i>Acer rubrum</i>	Red Maple	16.5	SAVE	0
122	<i>Acer rubrum</i>	Red Maple	13	SAVE	0
123	<i>Acer rubrum</i>	Red Maple	6.5	SAVE	0
124	<i>Quercus rubra</i>	Red Oak	23	SAVE	0
125	<i>Quercus rubra</i>	Red Oak	11	SAVE	0
126	<i>Platanus occidentalis</i>	American Sycamore	12	SAVE	0
127	<i>Acer rubrum</i>	Red Maple	11	SAVE	0
128	<i>Liriodendron tulipifera</i>	Tulip Poplar	10	SAVE	0
129	<i>Ilex opaca</i>	American Holly	10	SAVE	0
130	<i>Acer rubrum</i>	Red Maple	14.5	SAVE	0
131	<i>Carya glabra</i>	Pignut Hickory	12.5	SAVE	0
132	<i>Robinia pseudoacacia</i>	Black Locust	7	SAVE	0
133	<i>Cercis canadensis</i>	Eastern Redbud	7	SAVE	0
134	<i>Acer rubrum</i>	Red Maple	6.5	SAVE	0
135	<i>Acer rubrum</i>	Red Maple	7	SAVE	0
136	<i>Acer rubrum</i>	Red Maple	7.5	SAVE	0
137	<i>Liriodendron tulipifera</i>	Tulip Poplar	11.5	SAVE	0
138	<i>Platanus occidentalis</i>	American Sycamore	11.5	REMOVE	0
139	<i>Liriodendron tulipifera</i>	Tulip Poplar	23	REMOVE	0
140	<i>Liriodendron tulipifera</i>	Tulip Poplar	19.5	REMOVE	0
141	<i>Liriodendron tulipifera</i>	Tulip Poplar	19	REMOVE	0
142	<i>Liriodendron tulipifera</i>	Tulip Poplar	14	REMOVE	0
143	<i>Liriodendron tulipifera</i>	Tulip Poplar	14	REMOVE	0
144	<i>Liriodendron tulipifera</i>	Tulip Poplar	19.5	REMOVE	0
145	<i>Liriodendron tulipifera</i>	Tulip Poplar	22.5	REMOVE	0
146	<i>Liriodendron tulipifera</i>	Tulip Poplar	21.5	REMOVE	0
147	<i>Liriodendron tulipifera</i>	Tulip Poplar	20	REMOVE	0
148	<i>Liriodendron tulipifera</i>	Tulip Poplar	20	REMOVE	0
149	<i>Liriodendron tulipifera</i>	Tulip Poplar	20	REMOVE	0
150	<i>Liriodendron tulipifera</i>	Tulip Poplar	23	REMOVE	0
151	<i>Liriodendron tulipifera</i>	Tulip Poplar	21	REMOVE	0
152	<i>Liriodendron tulipifera</i>	Tulip Poplar	21	REMOVE	0
153	<i>Liriodendron tulipifera</i>	Tulip Poplar	20	REMOVE	0
154	<i>Liriodendron tulipifera</i>	Tulip Poplar	8	REMOVE	0
155	<i>Liriodendron tulipifera</i>	Tulip Poplar	21	REMOVE	0
156	<i>Liriodendron tulipifera</i>	Tulip Poplar	19	REMOVE	0
157	<i>Liriodendron tulipifera</i>	Tulip Poplar	17	REMOVE	0
158	<i>Ulmus americana</i>	American Elm	11.5	REMOVE	0
159	<i>Liriodendron tulipifera</i>	Tulip Poplar	19.5	REMOVE	0
160	<i>Liriodendron tulipifera</i>	Tulip Poplar	23	REMOVE	0
161	<i>Liriodendron tulipifera</i>	Tulip Poplar	23	REMOVE	0
162	<i>Liriodendron tulipifera</i>	Tulip Poplar	13	REMOVE	0
163	<i>Liriodendron tulipifera</i>	Tulip Poplar	23	REMOVE	0
164	<i>Liriodendron tulipifera</i>	Tulip Poplar	10.5	REMOVE	0
165	<i>Liriodendron tulipifera</i>	Tulip Poplar	22.5	REMOVE	0
166	<i>Liriodendron tulipifera</i>	Tulip Poplar	18	REMOVE	0
167	<i>Liriodendron tulipifera</i>	Tulip Poplar	17	REMOVE	0
168	<i>Liriodendron tulipifera</i>	Tulip Poplar	21	REMOVE	0
169	<i>Liriodendron tulipifera</i>	Tulip Poplar	15	REMOVE	0
170	<i>Liriodendron tulipifera</i>	Tulip Poplar	19	REMOVE	0
171	<i>Liriodendron tulipifera</i>	Tulip Poplar	17	REMOVE	0
172	<i>Liriodendron tulipifera</i>	Tulip Poplar	14	REMOVE	0
173	<i>Liriodendron tulipifera</i>	Tulip Poplar	13	REMOVE	0
174	<i>Acer rubrum</i>	Red Maple	9.5	REMOVE	0
176	<i>Paulownia tomentosa</i>	Empress Tree	12	REMOVE	0
177	<i>Paulownia tomentosa</i>	Empress Tree	12	REMOVE	0
178	<i>Acer rubrum</i>	Red Maple	16	REMOVE	0
179	<i>Acer rubrum</i>	Red Maple	9.5	REMOVE	0
180	<i>Nyssa sylvatica</i>	Black Gum	14	REMOVE	0
181	<i>Carya glabra</i>	Pignut Hickory	12	REMOVE	0
182	<i>Acer rubrum</i>	Red Maple	11	REMOVE	0
183	<i>Carya ovata</i>	Shagbark Hickory	21	REMOVE	0
184	<i>Acer rubrum</i>	Red Maple	7.5	REMOVE	0
185	<i>Liriodendron tulipifera</i>	Tulip Poplar	16	REMOVE	0
186	<i>Liriodendron tulipifera</i>	Tulip Poplar	21	REMOVE	0
187	<i>Liriodendron tulipifera</i>	Tulip Poplar	13.5	REMOVE	0
188	<i>Liriodendron tulipifera</i>	Tulip Poplar	21	REMOVE	0
189	<i>Liriodendron tulipifera</i>	Tulip Poplar	22	REMOVE	0
190	<i>Liriodendron tulipifera</i>	Tulip Poplar	19	REMOVE	0
191	<i>Liriodendron tulipifera</i>	Tulip Poplar	21	REMOVE	0
192	<i>Liriodendron tulipifera</i>	Tulip Poplar	15.5	REMOVE	0
193	<i>Liriodendron tulipifera</i>	Tulip Poplar	20	REMOVE	0
194	<i>Liriodendron tulipifera</i>	Tulip Poplar	21	REMOVE	0
195	<i>Liriodendron tulipifera</i>	Tulip Poplar	8	REMOVE	0
196	<i>Liriodendron tulipifera</i>	Tulip Poplar	17	REMOVE	0
197	<i>Acer rubrum</i>	Red Maple	7	REMOVE	0

198	<i>Liriodendron tulipifera</i>	Tulip Poplar	22.5	REMOVE	0
199	<i>Liriodendron tulipifera</i>	Tulip Poplar	19.5	REMOVE	0
200	<i>Liriodendron tulipifera</i>	Tulip Poplar	8.5	REMOVE	0
203	<i>Carya glabra</i>	Pignut Hickory	18.5	SAVE	0
204	<i>Prunus serotina</i>	Black Cherry	7	SAVE	0
205	<i>Acer rubrum</i>	Red Maple	9	SAVE	0
206	<i>Nyssa sylvatica</i>	Black Gum	7.5	REMOVE	0
207	<i>Acer rubrum</i>	Red Maple	20	REMOVE	0
208	<i>Liriodendron tulipifera</i>	Tulip Poplar	10	REMOVE	0
209	<i>Liriodendron tulipifera</i>	Tulip Poplar	9.5	REMOVE	0
210	<i>Acer rubrum</i>	Red Maple	11.5	REMOVE	0
211	<i>Liriodendron tulipifera</i>	Tulip Poplar	22.5	REMOVE	0
212	<i>Ulmus americana</i>	American Elm	17	REMOVE	0
213	<i>Robinia pseudoacacia</i>	Black Locust	16	REMOVE	0
214	<i>Ulmus americana</i>	American Elm	9	REMOVE	0
215	<i>Ulmus americana</i>	American Elm	12	REMOVE	0
216	<i>Nyssa sylvatica</i>	Black Gum	7	REMOVE	0
217	<i>Liriodendron tulipifera</i>	Tulip Poplar	22.5	SAVE	0
218	<i>Liriodendron tulipifera</i>	Tulip Poplar	23	SAVE	0
219	<i>Ulmus americana</i>	American Elm	7	SAVE	0
220	<i>Robinia pseudoacacia</i>	Black Locust	15	SAVE	0
221	<i>Liriodendron tulipifera</i>	Tulip Poplar	11	REMOVE	0
222	<i>Prunus serotina</i>	Black Cherry	7	SAVE	0
223	<i>Liriodendron tulipifera</i>	Tulip Poplar	20	REMOVE	0
224	<i>Prunus serotina</i>	Black Cherry	9	SAVE	0
225	<i>Ulmus americana</i>	American Elm	8	SAVE	0
226	<i>Ilex opaca</i>	American Holly	12	SAVE	0
227	<i>Prunus serotina</i>	Black Cherry	6	SAVE	0
228	<i>Acer rubrum</i>	Red Maple	22.5	SAVE	0
229	<i>Robinia pseudoacacia</i>	Black locust	12	SAVE	0
230	<i>Liriodendron tulipifera</i>	Tulip Poplar	22.5	SAVE	0
231	<i>Liriodendron tulipifera</i>	Tulip Poplar	11	SAVE	0
232	<i>Liriodendron tulipifera</i>	Tulip Poplar	17.5	SAVE	0
233	<i>Quercus alba</i>	White Oak	22.5	SAVE	0
234	<i>Prunus serotina</i>	Black Cherry	11	SAVE	0
235	<i>Prunus serotina</i>	Black Cherry	15.5	SAVE	0
236	<i>Prunus serotina</i>	Black Cherry	7.5	SAVE	0
237	<i>Prunus serotina</i>	Black Cherry	8.5	REMOVE	0
238	<i>Acer rubrum</i>	Red Maple	12	SAVE	0
239	<i>Ulmus americana</i>	American Elm	12	SAVE	0
240	<i>Acer rubrum</i>	Red Maple	9.5	SAVE	0
241	<i>Liriodendron tulipifera</i>	Tulip Poplar	7	REMOVE	0
LANDSCAPE SETTING >= 6", < 12" DBH (NO CREDIT)					
244	<i>Acer rubrum</i>	Red Maple	11	REMOVE	0
245	<i>Acer rubrum</i>	Red Maple	11	REMOVE	0
246	<i>Acer rubrum</i>	Red Maple	8	REMOVE	0
247	<i>Acer rubrum</i>	Red Maple	11	REMOVE	0
248	<i>Acer rubrum</i>	Red Maple	11	REMOVE	0
249	<i>Acer rubrum</i>	Red Maple	7	REMOVE	0
250	<i>Acer rubrum</i>	Red Maple	8	REMOVE	0
251	<i>Acer rubrum</i>	Red Maple	10	REMOVE	0
252	<i>Acer rubrum</i>	Red Maple	10	REMOVE	0
253	<i>Platanus occidentalis</i>	American Sycamore	6	REMOVE	0
254	<i>Platanus occidentalis</i>	American Sycamore	7	REMOVE	0
255	<i>Platanus occidentalis</i>	American Sycamore	8	REMOVE	0
256	<i>Platanus occidentalis</i>	American Sycamore	9	REMOVE	0
257	<i>Platanus occidentalis</i>	American Sycamore	8	REMOVE	0
258	<i>Platanus occidentalis</i>	American Sycamore	9	REMOVE	0
259	<i>Platanus occidentalis</i>	American Sycamore	9	REMOVE	0
260	<i>Platanus occidentalis</i>	American Sycamore	9	REMOVE	0
261	<i>Platanus occidentalis</i>	American Sycamore	5	REMOVE	0
262	<i>Platanus occidentalis</i>	American Sycamore	5	REMOVE	0
263	<i>Gleditsia triacanthos</i>	Honey Locust	7	SAVE	0
264	<i>Gleditsia triacanthos</i>	Honey Locust	6	SAVE	0
265	<i>Gleditsia triacanthos</i>	Honey Locust	7	SAVE	0
266	<i>Gleditsia triacanthos</i>	Honey Locust	8	SAVE	0
TR-14	<i>Platanus occidentalis</i>	American Sycamore	7	REMOVE	0
TR-15	<i>Platanus occidentalis</i>	American Sycamore	8.5	REMOVE	0
TR-16	<i>Platanus occidentalis</i>	American Sycamore	9	REMOVE	0
TR-17	<i>Platanus occidentalis</i>	American Sycamore	8	REMOVE	0
TR-18	<i>Platanus occidentalis</i>	American Sycamore	9	REMOVE	0
TR-19	<i>Platanus occidentalis</i>	American Sycamore	12	REMOVE	0
TR-20	<i>Platanus occidentalis</i>	American Sycamore	7.5	REMOVE	0
TR-21	<i>Platanus occidentalis</i>	American Sycamore	11	REMOVE	0
TR-22	<i>Platanus occidentalis</i>	American Sycamore	11	REMOVE	0
TR-23	<i>Acer saccharum</i>	Sugar Maple	9	REMOVE	0
TR-24	<i>Acer saccharum</i>	Sugar Maple	1.5	REMOVE	0
TR-25	<i>Acer saccharum</i>	Sugar Maple	10.5	REMOVE	0



Forest and Tree Preservation Ordinance Notes

NOVEMBER 2019

SEQUENCE OF EVENTS

The permittee is responsible for strict adherence to the sequence and details as outlined. During each stage of the project, forestry staff may provide additional direction based on site conditions, unforeseen circumstances, or approved revisions.

PRE-CONSTRUCTION

- Permittee shall obtain a Forestry Permit (FTP) for the project and secure copies of the approved Forest Conservation Plan (FCP) for distribution to contractors. The Permittee is responsible for obtaining a Maryland Roadside Tree Permit if applicable. Contact Miss Utility at 1-800-257-7777.
- The Permittee must coordinate and schedule an onsite preconstruction meeting with the following attendees: Permittee, Construction Superintendent, Maryland LTE/ISA Certified Arborist (if required by Forestry Department), the City Forestry Inspector, City Project Inspector, and City Sediment Control Inspector. The limits of disturbance must be staked and flagged prior to the preconstruction meeting. No land disturbance shall occur prior to this meeting. This includes, but is not limited to, the installation of tree protection fencing, sediment control measures, clearing, grading and tree stress reduction measures. The limits of disturbance will be reviewed, and tree protection and tree care measures will be discussed.
- No land disturbance shall begin before stress-reduction measures as indicated on the approved FCP, or otherwise directed by the Forestry Inspector have been implemented and approved by Forestry Inspector. Measures not specified on the plan may be required as determined by the Forestry Inspector in consultation with the Permittee's MD LTE/ISA Certified Arborist. Appropriate stress-reduction measures may include, but are not limited to:
 - Root pruning
 - Crown reduction or pruning
 - Watering
 - Fertilizing
 - Surface mulching
 - Vertical mulching
 - Root aeration matting
- A professional with the dual credentials of Maryland Department of Natural Resources Licensed Tree Expert (LTE) and International Society of Arboriculture Certified Arborist (ISA CA) must perform all stress reduction measures. Documentation of these qualifications may be required. The measures must be done in accordance with *ANSI Standards for Tree Care Operations* (A300) and other industry best management practices. Implementation of the stress reduction measures must be observed by the Forestry Inspector or written documentation, including photographs must be sent via mail or email to the City Forestry Inspector.
- Temporary tree protection devices, including signage, shall be installed per the approved Forest Conservation Plan, or as otherwise directed by the Forestry Inspector, and prior to any land disturbance. Tree protection fencing locations must be staked and flagged prior to the pre-construction meeting. The Forestry Inspector, in coordination with the City Sediment Control Inspector, may make field adjustments to increase the survivability of trees and forest shown as saved on the approved plan. The Permittee must contact the Forestry Inspector to schedule a follow up construction inspection after installing all tree protection measures and performing all stress reduction measures. Upon a satisfactory inspection by the Forestry Inspector and Sediment Control Inspector, a Notice to Proceed will be issued and clearing and grading can commence. Temporary tree protection devices may include:
 - Chain link fence (four feet high)
 - Super silt fence with wire strung between the support poles (minimum 4 feet high) with high visibility flagging.
 - 14 gauge 2 inch x 4 inch welded wire fencing supported by steel T-bar posts (minimum 4 feet high) with high visibility flagging.

DURING CONSTRUCTION

- Periodic inspections at the discretion of the Forestry Inspector will occur during the construction project. Corrections and repairs to all tree protection devices and other protective measures, as determined by the Forestry Inspector, must be made within the timeframe established by the Forestry Inspector.
- The Permittee must immediately notify the Forestry Inspector of any damage to trees, forests, understorey, ground cover, and any other undisturbed areas shown on the plan. Remedial actions to the restore these areas will be determined by the Forestry Inspector and the corrective actions must be made within the timeframe established by the Forestry Inspector.
- Failure to comply with the approved FCP or any directive of the City Forester's office is a violation of the Forest and Tree Preservation Ordinance (FTPO). Pursuant to Section 10.5-34 of the FTPO, a fine in the amount of \$1,000 may be imposed for each violation. Each day a violation continues is a separate violation. In addition, a stop work order may be issued until the violation has been abated and the fine has been paid or an appeal has been filed pursuant to Section 10.5-35 of the FTPO. Additional punitive measures as stated under Section 10.5-34 of the FTPO may be imposed.

POST CONSTRUCTION

- After construction is completed, the Permittee must request a final inspection in writing with the Forestry Inspector. At the final inspection, the Forestry Inspector may require additional corrective measures, which may include, but is not limited to:
 - Removal and replacement of dead and dying trees
 - Pruning of damaged, dead or declining limbs
 - Surface mulching
 - Soil aeration
 - Fertilization
 - Watering
 - Wound repair
 - Clean up of retention areas including trash removal
- After the final inspection and completion of all corrective measures the Forestry Inspector will request all temporary tree and forest protection devices be removed from the site. Removal of tree protection devices that also operate for erosion and sediment control must be coordinated with both the City Sediment Control Inspector and the Forest Conservation Inspector. No additional grading, sodding, or burial may take place after the tree protection fencing is removed.

INSTALLATION OF PLANT MATERIAL

- The Permittee is responsible for obtaining the approved Forest Conservation Plan/Landscape Plan and providing a copy to the Landscape Contractor. The Permittee shall ensure that the Landscape Contractor can secure the plants shown the FCP/Landscape Plan. Plant substitutions are not allowed. It is strongly recommended that plant material be secured from supplier by the project start date.

- A pre-planting meeting is required before installation of landscaping, afforestation, or reforestation. The applicant must schedule an on-site pre-planting meeting with the City Forestry Inspector. Attendees must include the Permittee, landscape contractor, and Forestry Inspector. Trees and shrubs shall conform to the current edition of the American Standard for Nursery Stock (ANSI Z60.1).
- Comply with appropriate City Soil Specification:
 - Soil Specification FOR TREE PLANTING WHERE EXISTING PAVEMENT OR OTHER IMPERVIOUS SURFACES WERE PREVIOUSLY LOCATED OR WHERE EXISTING GREENSPACE HAS BEEN SEVERELY DEGRADED¹
 - Site preparation
 - Demolish existing impervious surface and remove all existing asphalt, concrete, stone and construction materials to expose subsoil free of debris.
 - Excavate so that final planting bed will provide quality soil to a depth of forty-eight (48) inches, and to a radius of 10' minimum or to new hard edge of planting bed, whichever is less.
 - Loosen exposed subsoil below 48" by ripping 18" into the sub grade elevation.
 - Test to ensure that planting bed drains at a rate of at least 1 inch/per hour.
 - Install imported soil to fill excavated planting bed. Imported soil shall have a texture of LOAM, per the USDA soil classification system and a chemical composition compatible with healthy tree growth. When installing the soil, it should be installed in lifts or layers of < 12 inches (30 cm), tamping or watering (not both) between lifts to minimize potential settling.
 - Immediately prior to installation of plant material, the soil must be tested and must have a pH range between 5.5 and 7 and a nutrient content which corresponds to an adequate rating, per current industry standards. Amend soil, if necessary, to achieve the current industry standard.
 - The Forestry Inspector may require additional soil specifications, based on site conditions.
 - Soil Specification FOR PLANTING WHERE EXISTING GREEN SPACE HAS NOT BEEN PROTECTED FROM CONSTRUCTION IMPACTS BUT IS NOT SEVERELY DEGRADED.
 - Site Preparation
 - Remove all construction debris and top four to six inches of existing soil.
 - Test remaining existing soil to verify a pH range between 5.5 and 7, and has a nutrient content which corresponds to an adequate rating, per current industry standards.
 - Apply four (4) inches of mature compost evenly over the entire planting surface. (4" = 12 Cubic Yards/1,000 s.f.). Provide compost supplier information and specifications to the City Forestry Inspector for approval prior to install.
 - Till the compost into the existing soil to a minimum depth of thirty-six (36) inches using the city's soil profile rebuilding specification.
 - If soil does not meet nutrient standards, mitigate soil chemistry to meet the chemical parameters.
 - The Forestry Inspector may require additional soil specifications, based on site conditions.
 - Soil Specification FOR PLANTING WITHIN EXISTING GREEN SPACE AREAS WHICH HAVE BEEN PROTECTED FROM CONSTRUCTION IMPACTS (One of two options, as determined by Forestry Inspector) Refer to approved City of Rockville Detail A-7
 - Test existing soil to verify it has a pH range between 5.5 and 7, and a nutrient content which corresponds to an adequate rating, per current industry standards. If soil does not meet nutrient standards, one of two options will be performed to mitigate the soil:
 - Option 1 – Till Method: Depth of tilling for planting must be at least twenty-four (24) inches:
 - Apply four (4) inches of mature compost evenly over the entire planting surface (4" = 12 cubic yards/1,000 s.f.). Provide compost supplier information and specifications to the City Forestry Inspector for approval prior to install.
 - Till the compost into the existing soil to a minimum depth of twenty-four (24") inches.
 - Option 2 – Aeration and Vertical Mulching
 - Using a 2" – 3" Auger, drill a series of holes in the soil to a depth of twenty-four (24) inches.
 - Begin at the edge of the hole dug for the root ball and continue drilling at one-foot intervals (maximum), in concentric rings around the tree out to ten (10) feet from the tree.
 - Each hole must be refilled with mature compost.
 - The Forestry Inspector may require additional soil specifications, based on site conditions.

¹ See definitions section #9

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- Soil testing of the existing soil may be conducted with PRIOR approval from the City's Forestry Inspector to determine the number and location of the samples. The above requirements may be reduced if soil testing shows the following:
 - Soil pH is between 5.5 and 7
 - The top 24" of existing soil contains a minimum of 4-6% organic matter by weight
 - The soil is free of contaminants
 - The soil texture is sandy loam or loam
 - The soil has an infiltration rate not less than 1" per hour
 - The soil does not contain debris or stones greater than one inch
 - The soluble salt content is less than 3 dS/m
 - Consult the University of Maryland Extension website: <http://extension.umd.edu/> for a listing of commercial soil testing facilities.
- Soil preparation is required for street trees planted within the city's rights-of-way and private street trees, if they are part of the approved plan.

- The depths and grades shown on plan drawings are final grades after settlement and shrinkage of the organic material. The contractor shall install the soil mix at a higher level to anticipate this reduction of volume. All grades are assumed to be "as measured" to be prior to the addition of any surface compost till layer or mulch or sod.

- All details of the planting plans regarding plant quality and proper planting will be discussed including but not limited to:
 - Plant quality.
 - Proper form for species.
 - Proper ratio of caliper size/height to container size/root ball size.
 - Proper pruning cuts if applicable in accordance with current ANSI A300 pruning standards (generally there should be no recent pruning).
 - No co-dominant stems or multiple trunks (unless approved by FCP or by The Forestry Inspector).
 - Sound graft union.
 - Free of girdling roots, or the ability to remove girdling roots without damaging the tree.
 - Trees shall be healthy, vigorous, insect/disease free, and without cankers/cracks or trunk damage.

- Proper Installation
 - Root flare no higher than 3 inches from existing grade.
 - Exposed root flare (not graft): removing more than several inches of soil to expose the root flare may result in the rejection of the plant material.
 - Wire baskets/twine/burlap removed from at least the top half of root ball, or as directed by Forestry Inspector.
 - All burlap or twine removed completely.
 - No hose and wire; staking and strapping per City planting detail.
 - Planting Hole a minimum of twice the width of the root ball; could be greater. Planting detail assumes soil has been prepared per the city's specifications (Planting, #3).
 - Mulched properly, per City planting detail.
 - Wildlife protection installed, if required; type approved by the Forestry Inspector.

- Trees not complying with the above requirements may be rejected at the discretion of the City Forestry Inspector.

- Tree planting will generally not be permitted between the dates of June 1 and September 1, or when the ground is frozen.

- DEFINITIONS
 - Topsoil
 - Soil can be considered topsoil if it originates from an A horizon of a natural soil or is a mineral soil with 4-6% organic matter content, and a NRCS textural class similar to pre-development conditions A horizon soils for the site, or as specified by the City Forestry Division. The city Forestry Division will specify a LOAM texture in the absence of native conditions listed above. Blended soils shall not be used unless specified by the City Forestry Division. In addition, topsoil shall:
 - Be friable and well drained
 - Have a pH between 5.5-7.

- Have an organic matter content between 4-6%.
 - Have low salinity as indicated by a soluble salt content which is less than 3 dS/m
 - Be free of debris, stone, gravel, trash, large sticks, heavy metals, and other deleterious contaminants, (if screening is used to remove debris, screen size must be ½ inch or larger).
 - Have a nutrient profile such that it has an adequate rating, per current industry standards.
 - Be free of noxious weed seeds
- Compost
 - Compost shall be composed of leaves, yard waste, or food waste. Biosolid-based composts shall not be used. A compost sample with analysis shall be submitted for approval to the City-Forestry Division before application.
 - Stability refers to the rate of biological breakdown, measured by carbon dioxide release. Maturity refers to completeness of the aerobic composting process and suitability (lack of plant toxicity) as a plant growth media, often measured by ammonia release and by plant growth tests. Compost manufacturers that subscribe to the US Composting Council's testing program may document stability as compost testing 7 or below in accordance with TMECC 05.08-8, "Carbon Dioxide Evolution Rate". Maturity (suitability for plant growth) may be documented as compost testing greater than 80% in accordance with TMECC 05.05-A, "Germination and Vigor". Compost is considered mature and stable if it tests at 6.0 or higher on the Solvita Compost Maturity Index Rating, which is a combination of Carbon Dioxide and Ammonia Maturity Tests (test information and equipment available at www.solvita.com).
 - Compost shall also be:
 - Free of weed seeds.
 - Free of heavy metals or other deleterious contaminants.
 - Have a soluble salt content which is less than 3 dS/m.
 - Severely Degraded Soil
 - Soil shall be considered severely degraded if grade was lowered or raised more than 14 inches OR soil was compacted in lifts regardless of the final grade OR was used as a staging area for construction materials, equipment or processes.

POST INSTALLATION

- The Permittee shall notify the City Forestry Inspector IN WRITING when the planting is complete and request a post planting inspection. The inspection must include the Permittee, landscape contractor and Forestry Inspector. The maintenance and warranty period will not begin until the City Forestry Inspector has accepted ALL plantings.

- Trees will be inspected for plant quality and proper planting in accordance with City specifications and nursery standards. Once the maintenance period has begun, the applicant is responsible for maintaining plant health in accordance with the signed Warranty and Maintenance Agreement.

- Routine inspections will be conducted throughout the warranty period and the applicant will be notified in writing when corrective measures are required. Failure to complete the corrective measures by the given date may result in fines being issued, permits revoked, extension of warranty period or other punitive measures.

- Such maintenance shall include when appropriate, but not necessarily be limited to:
 - Weekly watering equal to 10 gallons per caliper measure of tree diameter. (ex: 2.5" caliper tree =25 gallons/week.) Documented drenching natural rainfall may substitute for weekly watering.
 - Control of competing vegetation throughout the maintenance period as necessary.
 - Fertilizing, as required by soil analysis.
 - Pruning, mulching, tightening of strapping, resetting of plants to proper grades or upright position.
 - Furnishing and applying pesticides or other items necessary to thwart damage from insects and disease.
 - Providing protection measures such as fencing and interpretive signs as necessary, to prevent destruction or degradation of the planting site.
 - Replacement of dead and dying trees. Survival standards contained in the State Forest Conservation Manual shall be followed for the protection and satisfactory establishment of forest where applicable.

Page 5 of 6

- Eradicate, suppress and control non-native and invasive plant species during the maintenance period to the satisfaction of the City Forestry Inspector.
- Installing and maintaining devices to protect against wildlife damage.
- Removal of staking and strapping after six months, or as directed by the Forestry Inspector.

NON-NATIVE INVASIVE PLANT CONTROL:

- The City of Rockville maintains a list of non-native and invasive plants for certain available on the City's website. The State of Maryland maintains a noxious weed list. The Permittee shall submit a Non-Native and Invasive Management Plan to the City Forestry Inspector for review and approval prior to the pre-planting meeting. Details to be included in the management plan are:
 - Narrative and/or plan stating the location, type and amount of non-native and invasive plants present on the site.
 - Proposed treatment measures and methods of control by plant type.
 - Timing and frequency of treatments by plant type.
 - Plan for seeding and/or re-planting following management/eradication treatment.
 - Proposed signage type and locations for installing herbicide application notification signs.
 - Copies of contractor certifications/pesticide licenses.
- Contractor is responsible for complying with MDE, EPA and other government agency regulations as well as obtaining proper permits from these agencies as applicable. The Forestry inspector must be notified 48 hours in advance prior to commencing any and all treatments.
- The Forestry Inspector will perform periodic inspections of the non-native and invasive treatments throughout the warranty and maintenance period. The applicant may be required to submit proof of treatment.

Page 6 of 6

SEQUENCE OF CONSTRUCTION

- PRIOR TO CLEARING TREES, INSTALLING SEDIMENT CONTROL MEASURES, OR GRADING, A PRE-CONSTRUCTION MEETING MUST BE CONDUCTED ON-SITE WITH THE CITY OF ROCKVILLE CONSTRUCTION MANAGER ROBERT BREWER (240-314-8879) (48 HOURS NOTICE), THE CITY OF ROCKVILLE SEDIMENT CONTROL INSPECTOR (240-314-8879) (48 HOURS NOTICE); THE CITY FORESTRY INSPECTOR ANDREA MURTHA (240-314-8713) (48 HOURS NOTICE); CITY CONSTRUCTION MANAGEMENT PROJECT INSPECTOR AND CITY FORESTRY INSPECTOR (48 HOURS' NOTICE), THE MCDPS RIGHT-OF-WAY INSPECTOR, THE OWNER'S REPRESENTATIVE, CONTRACTOR AND THE CIVIL ENGINEER (ENGINEER). ALL OTHER AGENCIES ISSUING PERMITS ALSO SHALL BE PRESENT AT THE PRE-CONSTRUCTION MEETING. STORMWATER MANAGEMENT AS-BUILT REQUIREMENT TO BE DISCUSSED AT THE PRE-CONSTRUCTION MEETING. ADDITIONAL STABILIZED CONSTRUCTION ENTRANCE TO BE DETERMINED BY SEDIMENT CONTROL INSPECTOR AT PRE-CONSTRUCTION MEETING.
- THE PERMITEE MUST CONTACT MISS-UTILITY AT 1-800-257-7777 OR 811 AT LEAST 48 HOURS BEFORE COMMENCING ANY LAND DISTURBING ACTIVITY. ALL UTILITIES MUST BE MARKED PRIOR TO HOLDING THE PRE-CONSTRUCTION MEETING.
- PRIOR TO SITE DEVELOPMENT ACTIVITIES, DEMOLITION OF THE EXISTING DEPARTMENT OF JUSTICE PORTION OF THE BUILDING MAY OCCUR.
- THE LIMITS OF DISTURBANCE AND TREE SAVE MEASURES, IF APPLICABLE, MUST BE FIELD MARKED PRIOR TO THE PRE-CONSTRUCTION MEETING, INSTALLATION OF SEDIMENT CONTROL MEASURES, CONSTRUCTION, OR OTHER LAND DISTURBING ACTIVITIES.
- THE PERMITEE MUST OBTAIN WRITTEN APPROVAL FROM THE CITY SEDIMENT CONTROL INSPECTOR, CERTIFYING THAT THE LIMITS OF DISTURBANCE AND TREE PROTECTION MEASURES ARE CORRECTLY MARKED AND INSTALLED PRIOR TO COMMENCING ANY CLEARING.
- INSTALL PERIMETER CONTROLS AS SHOWN ON PLAN. CLEAR AND GRADE AS NECESSARY FOR THIS INSTALLATION. INSTALL THE PROPOSED STABILIZED CONSTRUCTION ENTRANCES.
- ONCE PERIMETER SEDIMENT CONTROL DEVICES ARE INSTALLED, THE PERMITEE MUST OBTAIN WRITTEN APPROVAL FROM CITY SEDIMENT CONTROL INSPECTOR, BEFORE PROCEEDING WITH ANY ADDITIONAL CLEARING, GRUBBING AND/OR GRADING.

NOTE: THE INSPECTOR MAY REQUIRE PLACEMENT OF ADDITIONAL SILT FENCE OR OTHER SEDIMENT CONTROL MEASURES AS DEEMED NECESSARY. CONVEYANCE OF RUNOFF SHALL BE MAINTAINED AT ALL TIMES THRU EITHER THE EXISTING STORM DRAIN SYSTEM, PROPOSED STORM DRAIN SYSTEM, TEMPORARY STORM DRAIN SYSTEM OR COMBINATION OF ALL SO THAT THE STORM DRAIN SYSTEM REMAINS OPEN AND FUNCTIONAL.

NOTE: THE FOLLOWING STEPS ARE GUIDELINES FOR CONSTRUCTION AND DO NOT NEED TO OCCUR IN THE ORDER SHOWN. BELOW IS THE SUGGESTED SEQUENCE OF CONSTRUCTION. ALL WORK WITHIN LIMITS OF DISTURBANCE CAN BE WORKED ON SIMULTANEOUSLY. CONTRACTOR SHALL COORDINATE WITH THE ENGINEER AND CITY INSPECTOR'S AND UPON INSPECTOR'S APPROVAL, CAN ALTER THE SEQUENCE, IF NECESSARY.

- BEGIN SITE/BUILDING CONSTRUCTION PER THE APPROVED PLANS AND PHASES..

- INSTALL ALL PROPOSED UTILITIES, FINE GRADE SITE, INSTALL CURB AND GUTTER, PAVEMENT, SIDEWALK, LANDSCAPING, SITE WALLS, SITE LIGHTS, AND ASSOCIATED FEATURES IN ACCORDANCE WITH ALL APPROVED PLANS.

- ALL AREAS DISTURBED DUE TO CONSTRUCTION OPERATIONS, OUTSIDE THE LIMITS OF DISTURBANCE, TO BE FIXED BY THE CONTRACTOR AT HIS OWN EXPENSE. THE REPAIR WORK SHALL AT A MINIMUM MATCH THE EXISTING CONDITIONS. ALL CONSTRUCTION SHALL BE PERFORMED IN ACCORDANCE WITH THE APPROVED PLANS. ANY DEVIATION FROM THE APPROVED PLANS SHALL BE APPROVED BY OWNER'S REPRESENTATIVE.

- STABILIZE ALL UNPAVED AREAS. FINE GRADE SITE, SOD/SEE AND MULCH TO ESTABLISHMENT OF PERMANENT VEGETATIVE STABILIZATION. PLEASE REFER TO THE "STANDARDS AND SPECIFICATIONS FOR TOPSOIL" WITHIN THIS PLAN FOR ADDITIONAL INFORMATION REGARDING PERMANENT STABILIZATION.

- ONCE THE SITE IS STABILIZED AND WITH WRITTEN PERMISSION OF THE CITY INSPECTOR'S, REMOVE SEDIMENT CONTROL MEASURES. RESTORE AND STABILIZE THE AREAS DISTURBED BY THE REMOVAL OF SEDIMENT CONTROL MEASURES.

- OBTAIN FINAL INSPECTION AND SUBMIT STORMWATER MANAGEMENT AS-BUILT PLAN FOR REVIEW AND APPROVAL.



ENGINEERS PLANNERS
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FAX: (301) 916-2262
GERMANTOWN, MD. MCLEAN, VA.

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301.517.4804
CONTACT: ERIN GIRARD
e-mail:
egirard@MilesStockbridge.com

REVISIONS

DATE

PROFESSIONAL SEAL



I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED, REGISTERED LANDSCAPE ARCHITECT UNDER THE LAWS OF THE STATE OF MARYLAND.
NAME: ROBERT TILSON, RLA, FASLA
LICENSE NO.: 4160
EXPIRATION DATE: 07/22/2024

MICHAEL HARRIS HOMES AT TOWER OAKS
4TH ELECTION DISTRICT
ROCKVILLE
MONTGOMERY COUNTY,
MARYLAND
WSSC GRID: 217NW06
TAX MAP: GQ33

FINAL FOREST CONSERVATION PLAN AMENDMENT TREE PRESERVATION NOTES

DRAWN BY: XR/ZS
DESIGNED BY: RBT
DATE ISSUED: _____
VIKA PROJECT VM50567A
DRAWING NO. _____

SHEET NO. FFCPA-5.0

CASE NUMBER_FTP2001-00005

APPROVED BY
CITY OF ROCKVILLE
PLANNING AND
DEVELOPMENT SERVICES

01/08/2025

DATE SIGNED

01/08/2025

DATE APPROVED

AS DIRECTED



Specification for Restoration of Graded and Compacted Soils that will be Vegetated

Sol Profile Rebuilding is an appropriate soil restoration technique for sites where topsoil has been completely or partially removed and subsoil layers have been compacted (graded and/or trafficked by equipment). It may also be used with some modifications if topsoil is present. This is not an appropriate technique in sites with surface compaction only (6 inches or less), although this situation is rare on construction sites. This technique is not appropriate within the root zones of trees that are to be protected. Sol Profile Rebuilding can improve physical and biological characteristics of soil to allow for revegetation. Soil chemical problems, soil contamination from heavy metals, pathogens, or excessive debris or gravel shall be addressed separately.

The procedure includes a subsampling procedure, addition of organic matter in the form of compost, replacement or addition of topsoil, and subsequent planting with woody plants. The soil preparation portion of Soil Profile Rebuilding puts the components in place for restoration to characteristics similar to undisturbed soils, however, the complete restoration process requires root activity and occurs over many years. This technique may be appropriate for restoration of disturbed soils as defined by SITES™.

Soil Profile Rebuilding may improve vegetation establishment, increase tree growth rates, increase soil permeability, enhance formation of aggregates in the subsoil, and enhance long-term soil carbon storage.

Profile Rebuilding shall occur on all soil areas that are to be vegetated that have been disturbed by trafficking or grading during construction or prior to construction. Soil areas that are not to be treated should be protected by permanent fencing during the construction period, and all access to these areas prohibited. A soil map delineating protected areas and areas to be treated shall be approved by the forestry inspector before grading or construction begins.

Profile Rebuilding shall occur after site disturbance is complete, including all vehicle and equipment trafficking, but before replacement of topsoil. Once profile rebuilding is complete, all traffic and equipment or materials storage or treated areas is prohibited, with the exception of foot traffic, for the purposes of planting or mulching. If topsoil is already present and is 4 inches or greater in depth, use the "modifications for pre-existing topsoil (2.62)."

Remove all foreign materials resulting from construction operations, including oil drippings, stone, gravel, and other construction materials from the existing soil surface.

Spread mature, stable compost to a 4 inch depth over compacted subsoil (see Section 3. Definitions for definition of compost).

Subsiding may be performed when soil is neither wet nor dry. If a shovel cannot be forced into the soil, it is too dry. If the surface is sticky or muddy, it is too wet. Use a mini-backhoe or similar equipment with a narrow (less than 24"), tined bucket to break up the compacted soil and incorporate the compost. Work backwards away from excavated soils so that treated soil is not trafficked by the equipment. Insert the bucket through the compost layer and into the subsoil to a depth of thirty-inches (36"), and raise a bucket of soil at least twenty-four inches above the soil surface.

Tip the bucket and allow soil to fall. Repeat this procedure until no clumps of compacted soil larger than 12 inches in diameter remain. The tines of the bucket can be used to break apart larger clumps if necessary. 50% of the soil shall be in clumps 6 inches or smaller. No clumps shall be greater than 18" in diameter. The subsoling is not intended to homogenize the compost and soil, but rather loosen the soil to a thirty-six inch depth and create veins of compost used to that depth as well. To ensure that subsoling reached the appropriate depth, a push tube soil sampler shall be used to verify compost is present at thirty-six inch depth.

Stockpiled topsoil, or additional topsoil if none is available from the site, shall be returned to the site to a four (4) inch minimum depth (see *Section 3.3 Definitions* for definition of topsoil). If soil was severely disturbed (see definitions), a six (6) to eight (8) inch minimum shall be replaced with topsoil that meets city standards.

At least four inches of topsoil is present on the site after construction activities are completed AND soil is not severely disturbed (see *Section 3.3 Definitions* for description of severely disturbed).

Less than four inches of topsoil is present on site after construction activities were completed but before Profile Rebuilding is initiated, OR soil is severely disturbed (see *Section 3.3 Definitions* for description of severely disturbed).

For Case 1: A minimum of three inches additional topsoil shall be placed over the subsoiled layer before tilling.

For Case 2: Follow *Section 2.6.1 Standard procedure*, as if no topsoil had been present.

Rototill topsoil to a depth of six to eight inches when soil is neither dry nor very moist. Rototilling depth should cross the interface with the subsoiled layer by a minimum of one (1) inch and can be verified with a random sampling with a push tube soil sampler.

Plant the site with woody plants, trees or shrubs, at a density that insure a minimum of 50% of the site will be occupied with roots within 10 years. Planting of at least one large stature tree (e.g., one that will mature at approximately 60-70 feet in height) or 20 medium stature shrubs per 5,000 sq. ft. shall be considered to achieve this.

can be considered topsoil if it originates from an A horizon of a natural soil or is a mineral soil with 4-6% organic matter content, and a NRCS textural class similar to pre-development conditions A horizon soils for the site, or as specified by the City Forestry Division. The city Forestry Division will specify a LOAM texture in the absence of native conditions listed above. Blended soils shall not be used unless specified by the City Forestry Division. In addition, topsoil shall:

1. Be friable and well drained
2. Have a pH between 5.5-7.
3. Have an organic matter content between 4-6%.
4. Have low salinity as indicated by a soluble salt content which is less than 3 dS/m
5. Be free of debris, stone, gravel, trash, large sticks, heavy metals, and other deleterious contaminants, (if screening is used to remove debris, screen size must be $\frac{1}{2}$ inch or larger).
6. Have a nutrient profile such that it has an adequate rating, per current industry standards.
7. Be free of noxious weed seeds

Page 2 of 3

Compost shall be composed of leaves, yard waste, or food waste. Biosolid-based composts shall not be used. A compost sample with analysis shall be submitted for approval to the City Forestry Division before application.

Stability refers to the rate of biological breakdown, measured by carbon dioxide release. Maturity refers to completeness of the aerobic composting process and suitability (lack of plant toxicity) as a plant growth media, often measured by ammonia release and by plant growth tests. Compost manufacturers that subscribe to the US Composting Council's testing program may document stability as compost testing 7 or below in accordance with TMECC 05.08-B, "Carbon Dioxide Evolution Rate". Maturity (suitability for plant growth) may be documented as compost testing greater than 80% in accordance with TMECC 05.05-A, "Germination and Vigor". Compost is considered mature and stable if it tests at 6.0 or higher on the Solvita Compost Maturity Index Rating, which is a combination of Carbon Dioxide and Ammonia Maturity Tests (test information and equipment available at www.solvita.com).

Compost shall also:

1. Free of weed seeds.
2. Free of heavy metals or other deleterious contaminants.
3. Have a soluble salt content which is less than 3 dS/m.

Soil shall be considered *severely degraded* if grade was lowered or raised more than 14 inches OR soil was compacted in lifts regardless of the final grade OR was used as a staging area for construction materials, equipment or processes.

A soil map indicating soil areas to be protected and those to be restored via Soil Profile Rebuilding shall be submitted by the contractor for approval to the City Forestry Division before construction begins.

A compost sample with analysis certifying it is stable, mature, from acceptable feedstocks and free of contaminants and weed seeds shall be submitted for approval to the City Forestry Division before compost is applied to the soil.

A topsoil sample with analysis from a certified testing laboratory and verification of source shall be submitted for approval to by the City Forestry Division before application. Separate documentation is required for each 100 cubic yards of topsoil unless otherwise approved by the City Forestry Division.

Use of this specification has been documented to increase tree canopy and soil carbon stores compared with typical practices. See www.urbanforestry.frec.vt.edu/SRES for more information.

Soil Profile Rebuilding Specification by Susan Day et al. is licensed under a Creative Commons Attribution-NonCommercial 3.0 United States License. It may be used freely as is, or modified. However, use of the term “Soil Profile Rebuilding” should only be used when soil restoration is performed as described in this specification. See www.urbanforestry.frec.vt.edu/SRES/specification.html for full details.

City of Rockville- NOVEMBER 2019

Page 3 of 3

Community Planning & Development Services
Received
November 13, 2024

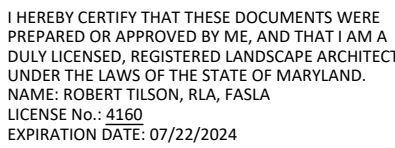


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[illegible]

PROFESSIONAL SEAL



**MICHAEL
HARRIS HOMES
AT TOWER
OAKS**
4TH ELECTION DISTRICT
ROCKVILLE
MONTGOMERY COUNTY,
MARYLAND
WSSC GRID: 217NW06
TAX MAP: GQ33

FINAL FOREST CONSERVATION PLAN AMENDMENT SOIL PROFILE REBUILDING SPECIFICATION

DRAWN BY: XR/ZS
DESIGNED BY: RBT
DATE ISSUED:

VIKA VM50567A

DRAWING
NO.

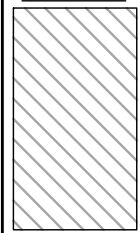
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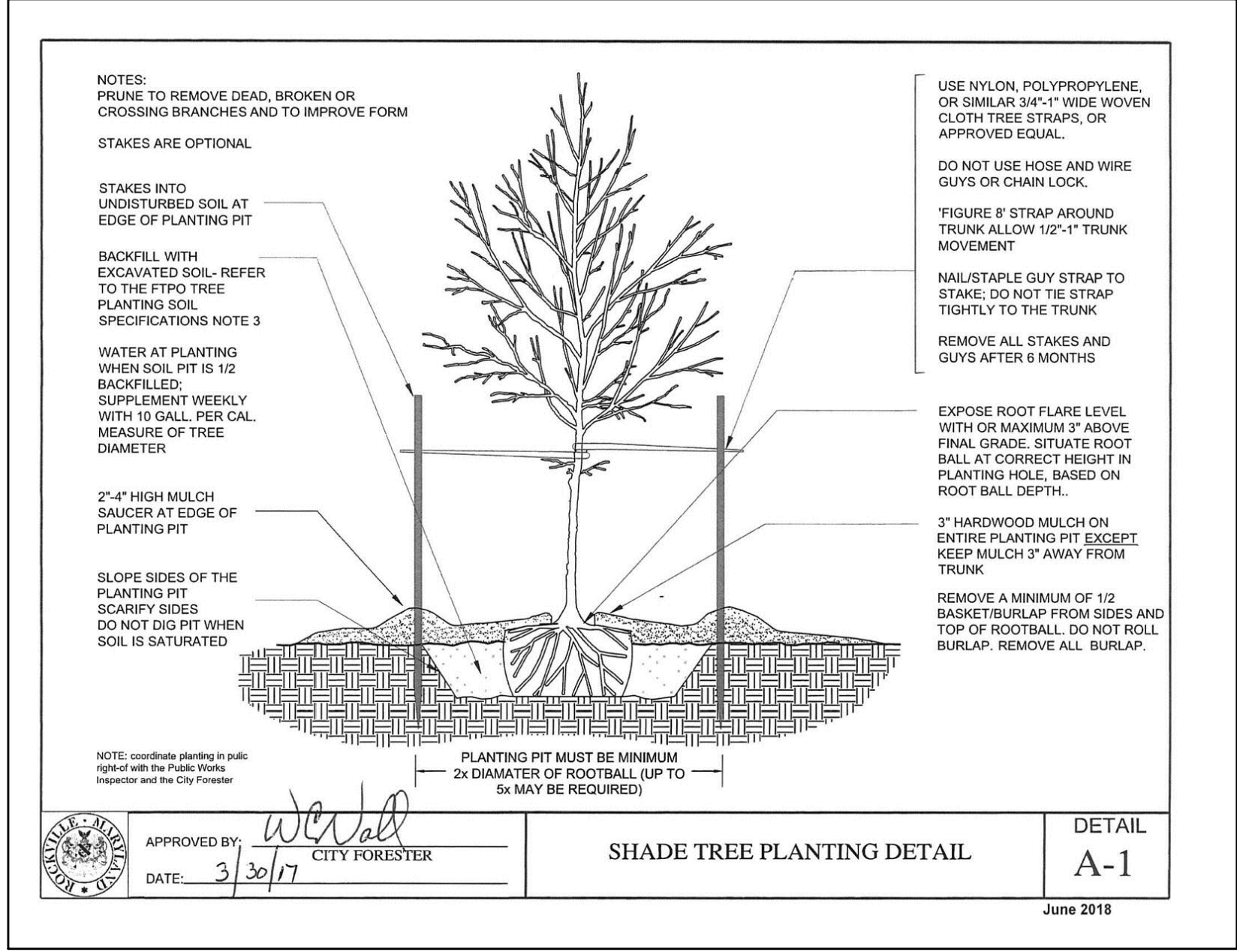
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PLANT SCHEDULE

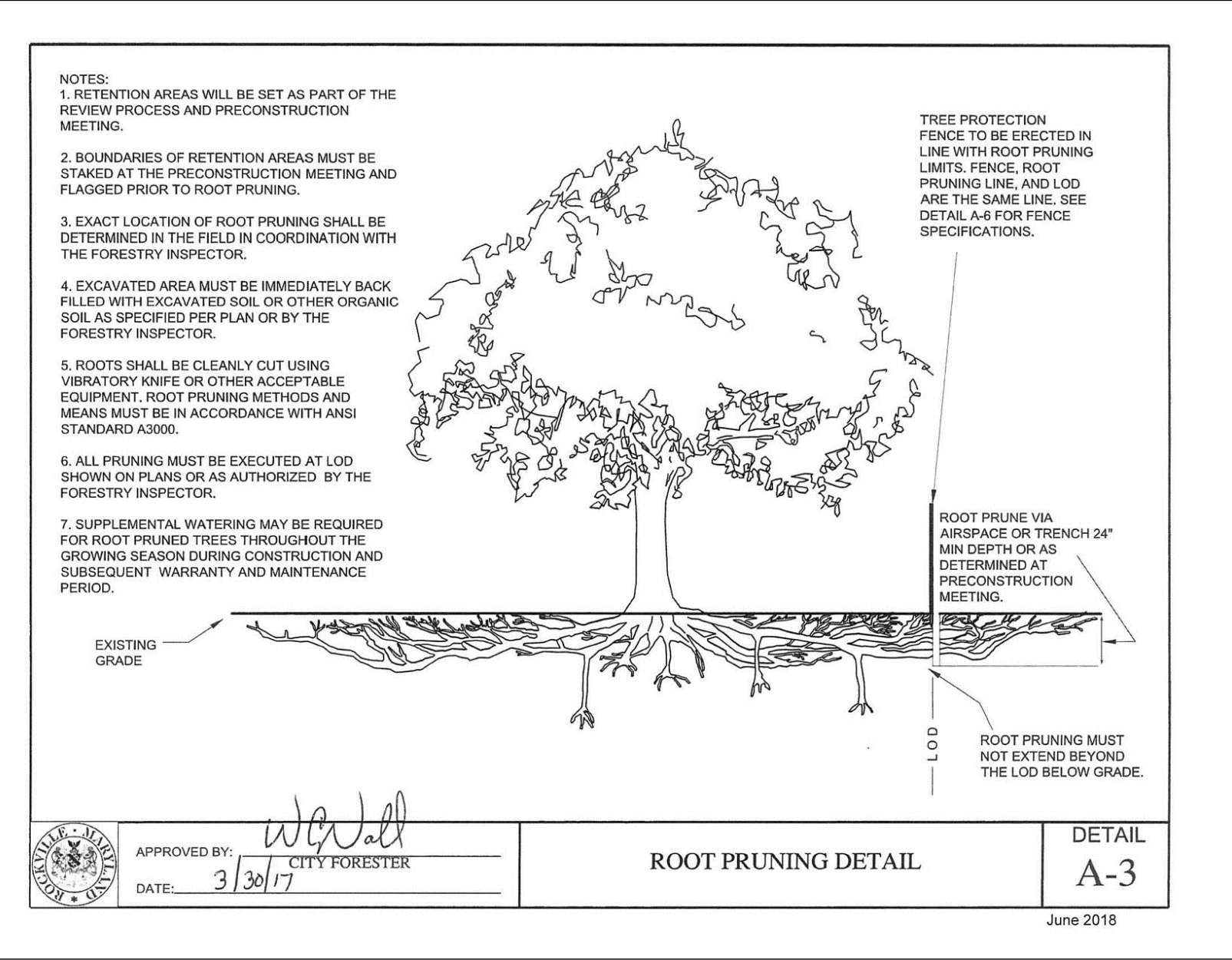
CODE	QTY	BOTANICAL NAME	COMMON NAME	SIZE
CANOPY TREES				
AA	8	ACER RUBRUM 'ARMSTRONG'	ARMSTRONG RED MAPLE	2.5" CAL.
GT	5	GLEDITSIA TRIACANTHOS INERMIS	THORNLESS HONEY LOCUST	2.5" CAL.
PO	12	PLATANUS OCCIDENTALIS	AMERICAN SYCAMORE	2.5" CAL.
QB	18	QUERCUS BICOLOR	SWAMP WHITE OAK	2.5" CAL.
ORNAMENTAL AND UNDERSTORY TREES				
AG	24	'AMELANCHIER X GRANDIFLORA 'AUTUMN BRILLIANCE'	AUTUMN BRILLIANCE APPLE SERVICEBERRY	2.5" CAL.
BL	7	BETULA NIGRA 'LITTLE KING'	FOX VALLEY® DWARF RIVER BIRCH	2.5" CAL.
CC	32	CERCIS CANADENSIS	EASTERN REDBUD MULTI-TRUNK	2.5" CAL.
CF	20	CORNUS FLORIDA	FLOWERING DOGWOOD	2.5" CAL.
LT	21	LAGERSTROEMIA INDICA X FAURIEI 'TONTON'	TONTON GRAPE MYRTLE	2.5" CAL.
LXN	11	LAGERSTROEMIA X 'NATCHEZ'	WHITE CRAWPE MYRTLE MULTI-TRUNK	2.5" CAL.
OA	6	OXYDENDRUM ARBOREUM	SOURWOOD TREE	2.5" CAL.
SMALL EVERGREEN TREES				
IO	3	ILEX OPACA	AMERICAN HOLLY	7-8" HGT.
JV	4	JUNIPERUS VIRGINIANA	EASTERN RED CEDAR	7-8" HGT.
MG	3	MAGNOLIA GRANDIFLORA 'LITTLE GEM'	DWARF SOUTHERN MAGNOLIA	7-8" HGT.
STREET TREES				
AR	6	ACER RUBRUM	RED MAPLE	2.5" CAL.
AF	20	ACER X FREEMANNI 'ARMSTRONG'	ARMSTRONG FREEMAN MAPLE	2.5" CAL.
PA	17	PLATANUS X ACERIFOLIA	LONDON PLANE TREE	2.5" CAL.
QR	20	QUERCUS ROBUR 'FASTIGIATA'	SKYROCKET® ENGLISH OAK	2.5" CAL.
SHRUBS				
PL	30	PRUNUS LAUOCERASUS 'SCHIPKAENSIS'	SCHIPKA ENGLISH LAUREL	3-5 GAL.

REFORESTATION PLANTING SCHEDULE

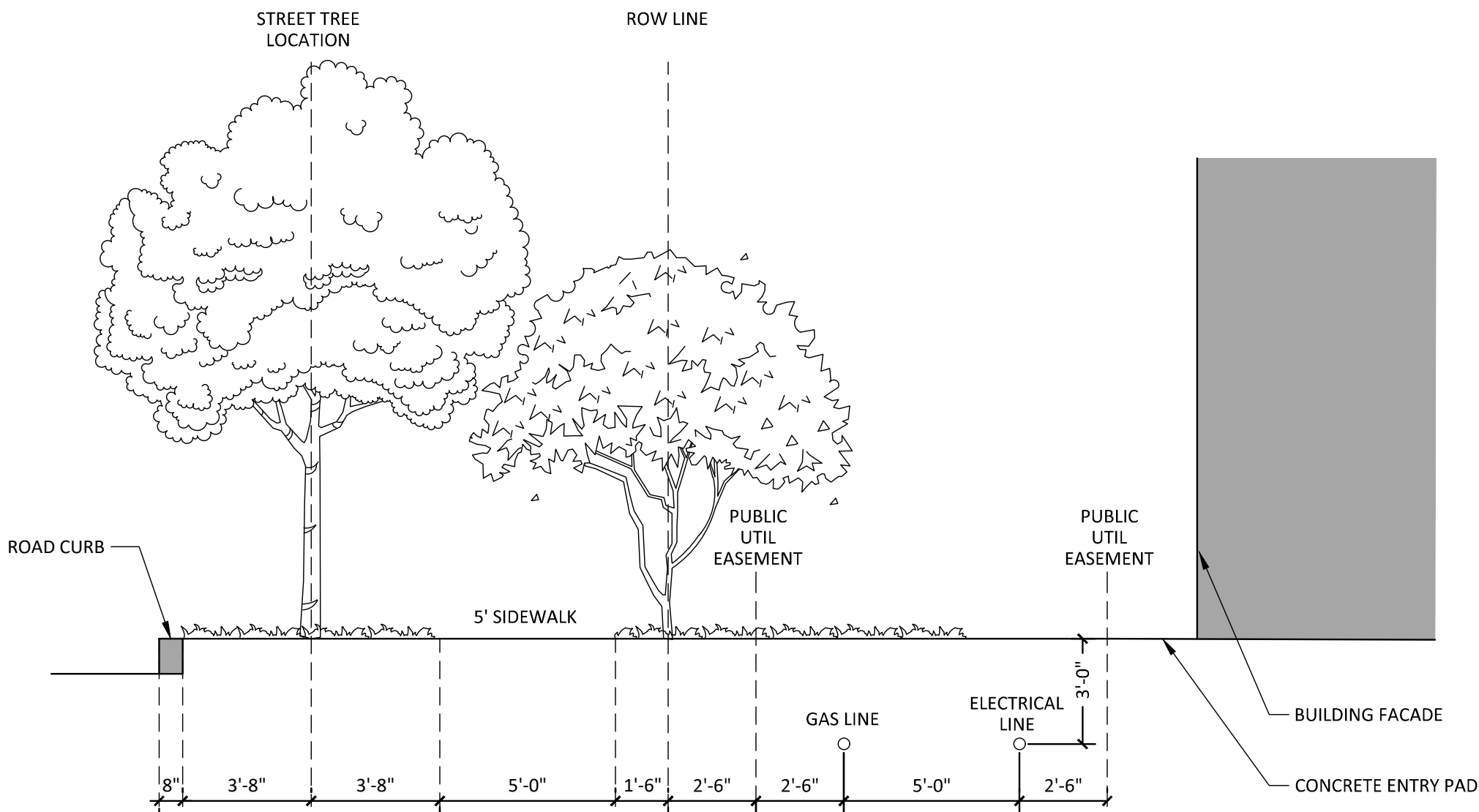
SYMBOL	QTY	BOTANICAL NAME	COMMON NAME	SIZE
	7,642 SF	REFORESTATION PLANT		
4		GLEDITSIA TRIACANTHOS INERMIS	THORNLESS HONEY LOCUST	1" CAL.
4		NYSSA SYLVATICA	TUPELO	1" CAL.
4		QUERCUS PHELLOS	WILLOW OAK	1" CAL.
4		ULMUS AMERICANA	AMERICAN ELM	1" CAL.



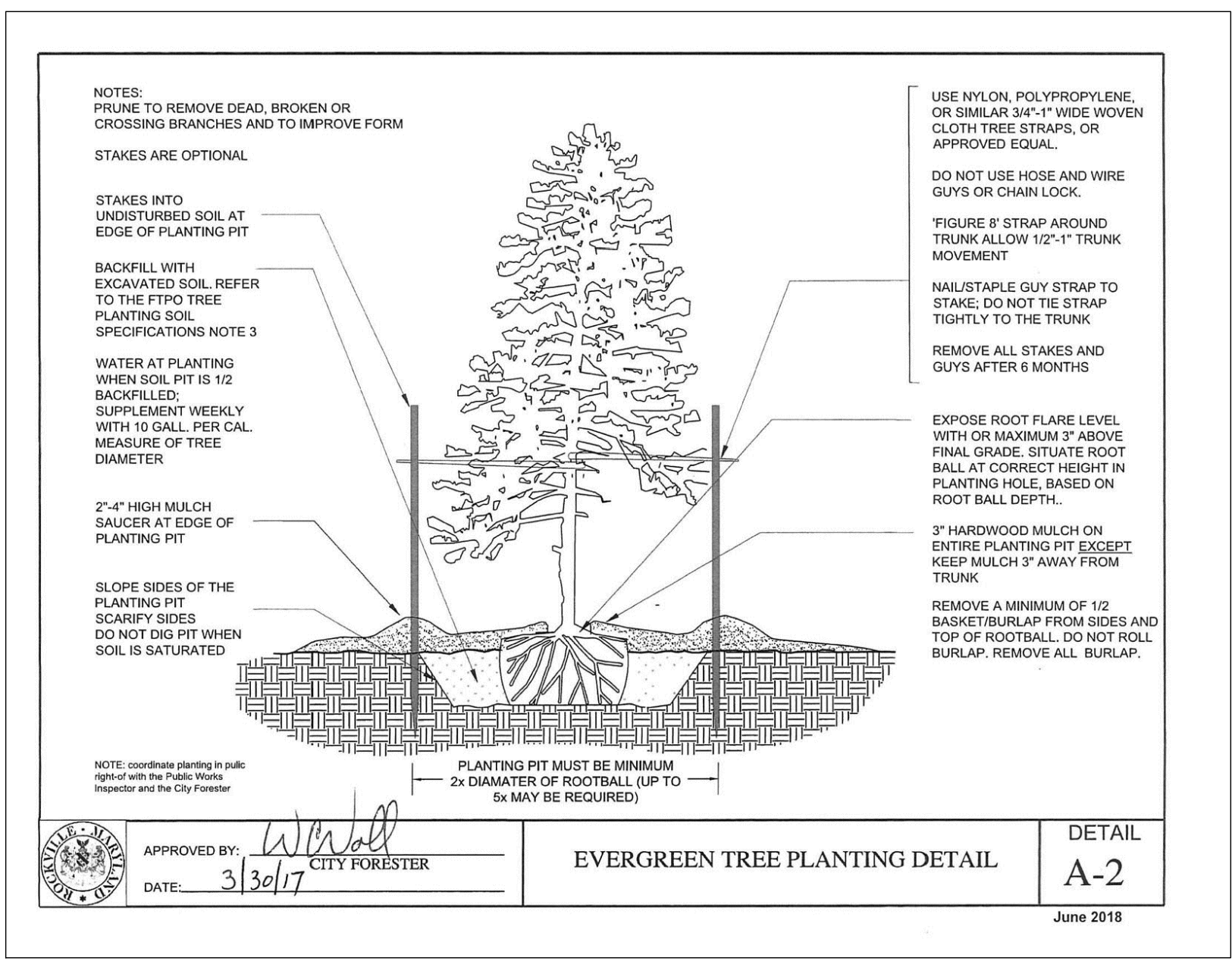
1 CITY OF ROCKVILLE SHADE TREE PLANTING DETAIL NOT TO SCALE



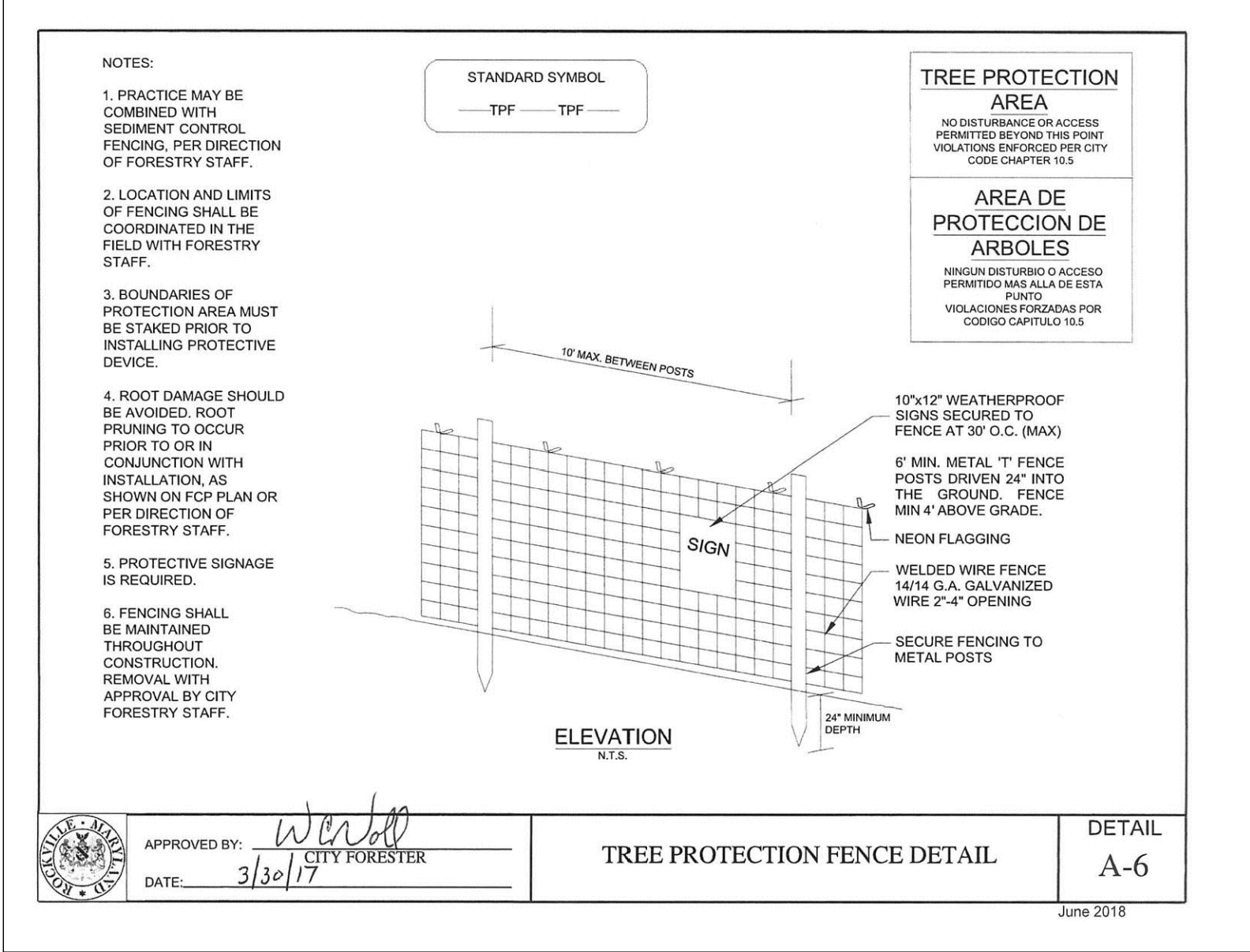
3 CITY OF ROCKVILLE TREE ROOT PRUNING DETAIL NOT TO SCALE



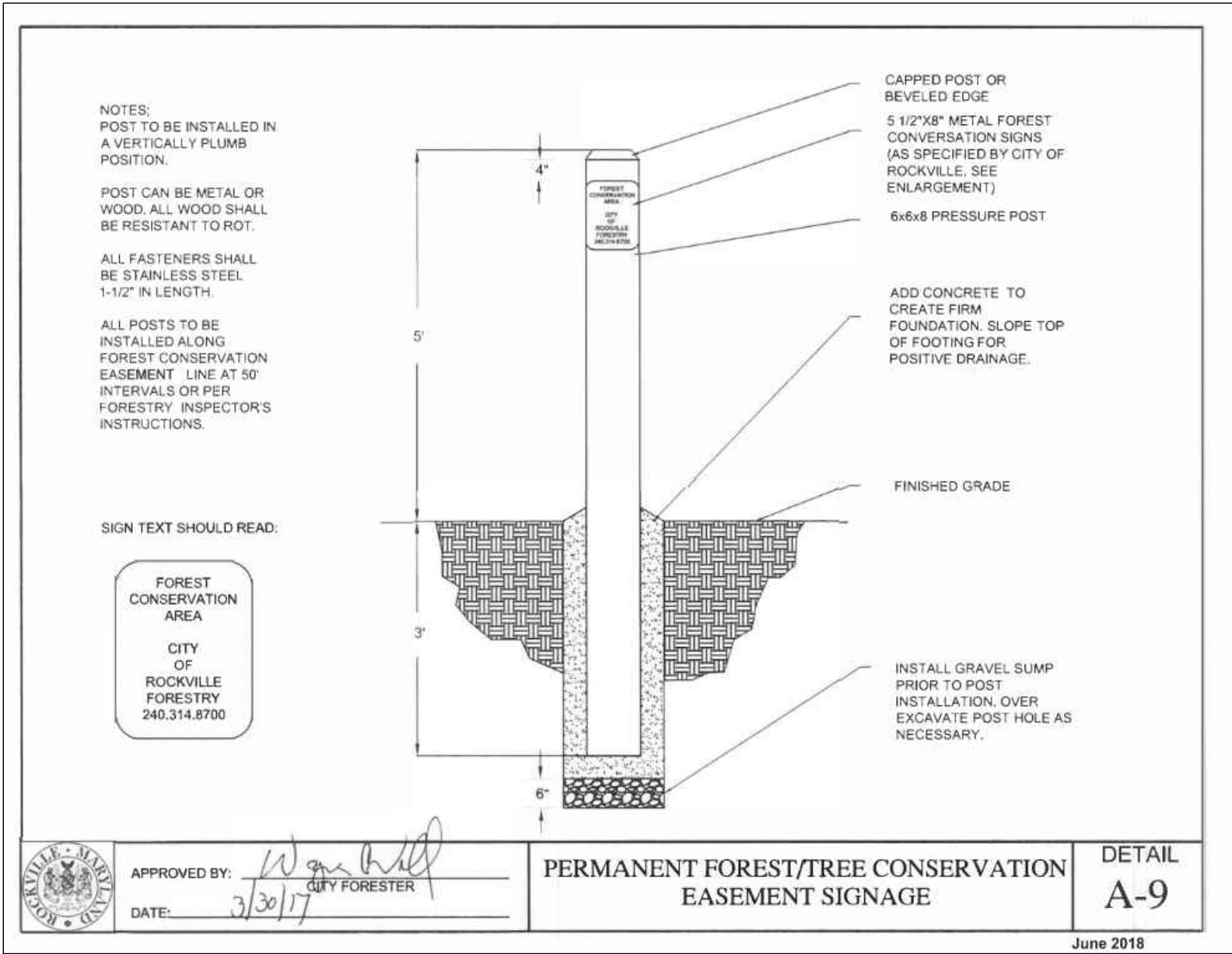
5 STREET TREE AND PUBLIC UTILITY SECTION ENLARGEMENT



2 CITY OF ROCKVILLE EVERGREEN TREE PLANTING DETAIL NOT TO SCALE



4 CITY OF ROCKVILLE TREE PROTECTION FENCE DETAIL NOT TO SCALE



6 CITY OF ROCKVILLE PERMANENT TREE PROTECTION SIGNAGE NOT TO SCALE

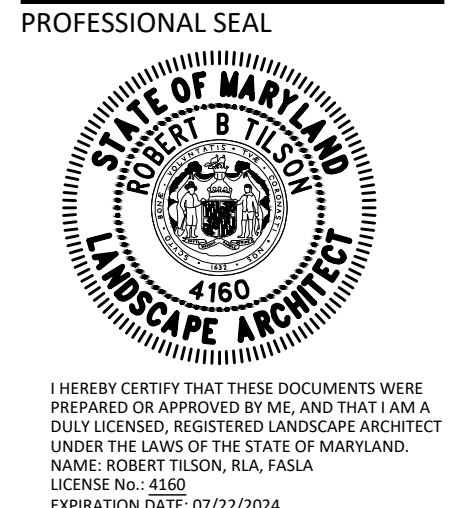


OWNER/APPLICANT:
MICHAEL HARRIS PROPERTIES, LLC
One Preserve Parkway
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PH: 301.978.3606
CONTACT: Harris Schwalb
e-mail: hschwalb@streetscapepartners.com

ENGINEER / PLANNER / LANDSCAPE ARCHITECT:
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20251 CENTURY BOULEVARD SUITE 400
GERMANTOWN, MD 20874
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ATTORNEY:
MILES & STOCKBRIDGE
11 N. WASHINGTON STREET SUITE 700
ROCKVILLE, MD 20850
301.517.4804
CONTACT: ERIN GIRARD
e-mail: egirard@MilesStockbridge.com

REVISIONS	DATE



MICHAEL HARRIS HOMES AT TOWER OAKS
4TH ELECTION DISTRICT
ROCKVILLE
MONTGOMERY COUNTY, MARYLAND
WSSC GRID: 217NW06
TAX MAP: GQ33

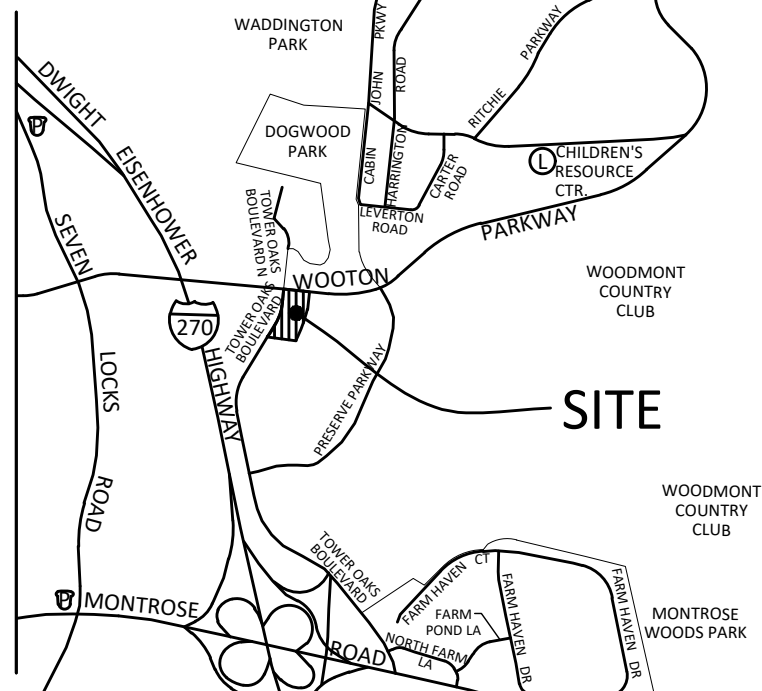
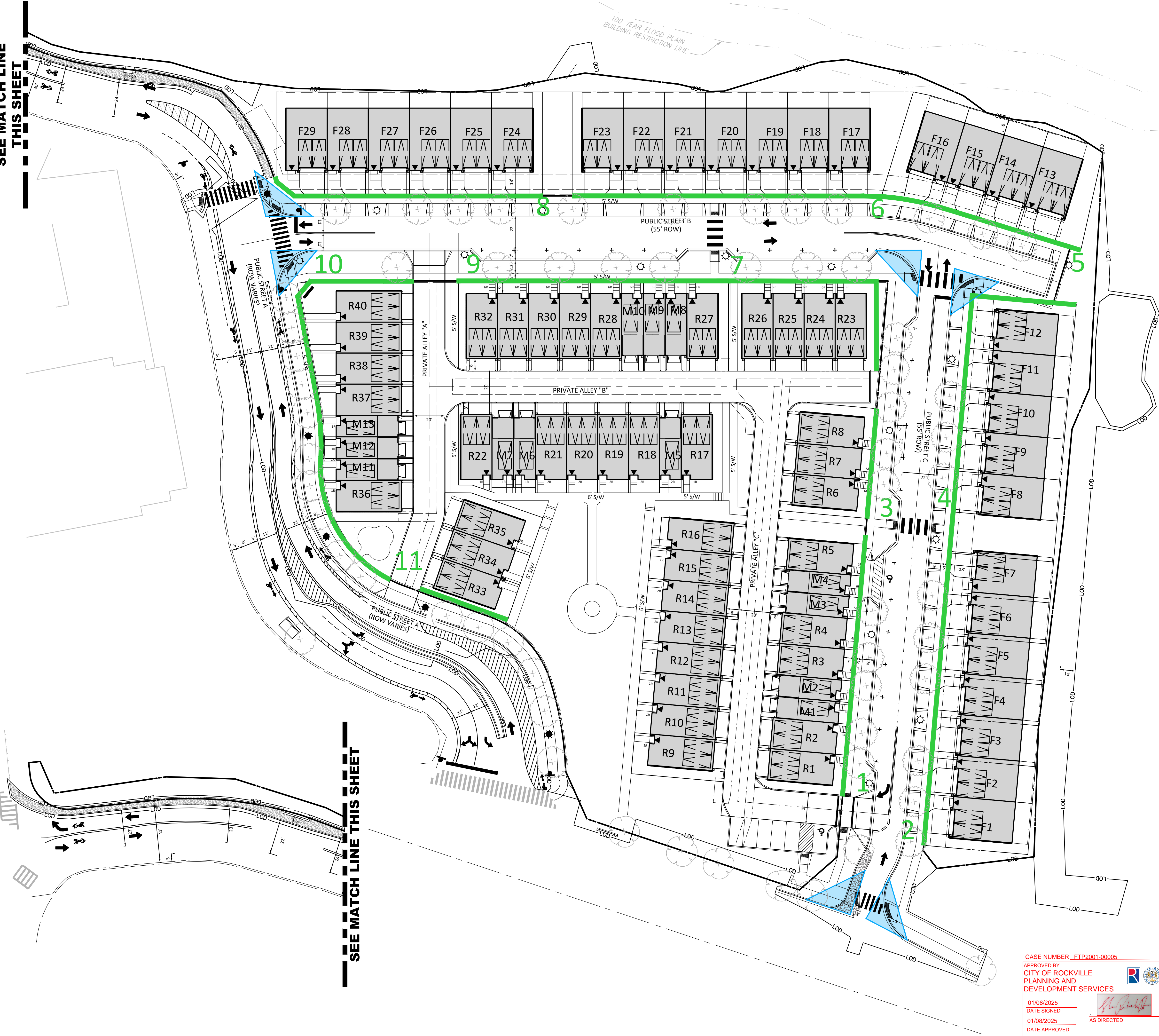
FINAL FOREST CONSERVATION PLAN AMENDMENT

DETAILS AND PLANT LIST

DRAWN BY: XR/ZS
DESIGNED BY: RBT
DATE ISSUED: _____
VIKA PROJECT VM50567A
DRAWING NO.
SHEET NO. FFCPA-5.2

SEE MATCH LINE
THIS SHEET

SEE MATCH LINE THIS SHEET



LEGEND

- LIMITS OF SITE DISTANCE AREA FOR THE STREET TREES
- LINEAR FT LOT FRONTAGE
- PROPOSED STREET TREES

TABLE 1 - FRONTAGE CALCULATION AND STREET TREE TABLE

Frontage	Length
1	169
2	204
3	71
4	219
5	133
6	200
7	153
8	178
9	175
10	281
11	60
	1843

Requirement: 1 Tree per 40 LF
Total Required Street Trees: 46.08
Total Provided Street Trees: 63

Vika
ENGINEERS PLANNERS
LANDSCAPE ARCHITECTS SURVEYORS
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GERMANTOWN, MARYLAND 20874
PHONE: (301) 916-4100
FAX: (301) 916-2262
GERMANTOWN, MD. MCLEAN, VA.

OWNER/APPLICANT:
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301.517.4804
CONTACT: ERIN GIRARD
e-mail:
egirard@MilesStockbridge.com

REVISIONS	DATE

PROFESSIONAL SEAL

I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED, REGISTERED LANDSCAPE ARCHITECT UNDER THE LAWS OF THE STATE OF MARYLAND.
NAME: ROBERT TILSON, RIA, FASLA
LICENSE NO.: 4160
EXPIRATION DATE: 07/22/2024

MICHAEL HARRIS HOMES AT TOWER OAKS
4TH ELECTION DISTRICT
ROCKVILLE
MONTGOMERY COUNTY, MARYLAND
WSSC GRID: 217NW06
TAX MAP: GQ33

FINAL FOREST CONSERVATION PLAN AMENDMENT

STREET FRONTAGE CALCULATION

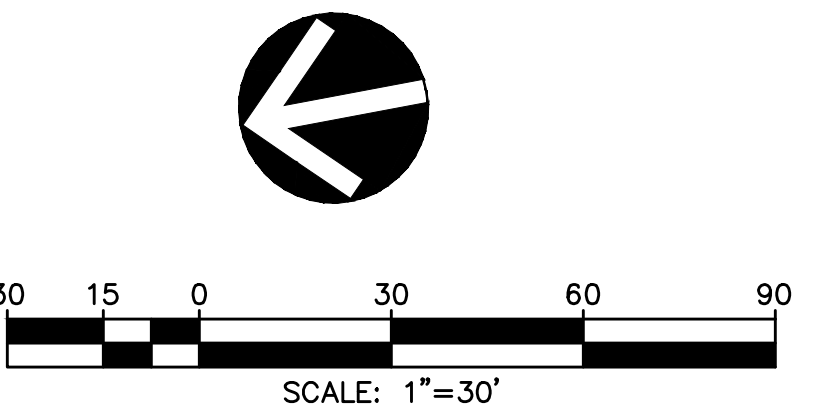
DRAWN BY: XR
DESIGNED BY: RBT
DATE ISSUED:
Vika PROJECT VM50567A
DRAWING NO.
SHEET NO. FFCPA-6.0

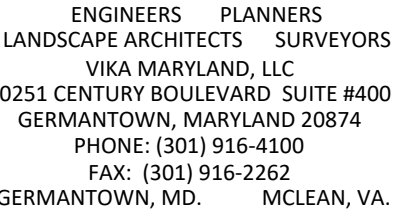
CASE NUMBER _FTP2001-00005

APPROVED BY
CITY OF ROCKVILLE
PLANNING AND
DEVELOPMENT SERVICES

01/08/2025
DATE SIGNED
01/08/2025
DATE APPROVED

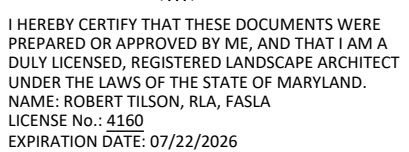
AS DIRECTED





ENGINEER / PLANNER /
LANDSCAPE ARCHITECT:
VIKA MARYLAND, LLC
1251 CENTURY BOULEVARD
SUITE 400
BETHESDA, MD 20874
P: 301.916.4100
CONTACT: MICHAEL GOODMAN
Email: Goodman@vika.com

REVISIONS	DATE
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PROFESSIONAL SEAL

CLEAN FINAL FOREST
CONSERVATION PLAN
RESOURCES PLAN -
40 SCALE

SHEET NO. FFCPA-7.0



The diagram illustrates the various boundaries and buffers for a residential lot. It features a central lot with a house footprint. Surrounding the lot are several lines and buffers, each labeled with a specific name and a corresponding symbol or color. The labels are as follows:

- LIMITS OF SUBJECT PROPERTY**: Indicated by a dashed line at the top of the lot.
- ADJACENT PROPERTY LINES**: Indicated by solid lines on the left and right sides of the lot.
- PROPOSED LIMITS OF DISTURBANCE**: Indicated by a solid line at the bottom of the lot.
- TOP OF BANK-WATERS OF THE U.S.**: Indicated by a solid line at the bottom of the lot, below the proposed limits of disturbance.
- STREAM VALLEY BUFFER**: Indicated by a solid line at the bottom of the lot, below the top of bank-waters.
- 100-YEAR FLOODPLAIN**: Indicated by a solid line at the bottom of the lot, below the stream valley buffer.
- WETLAND BUFFER**: Indicated by a solid line at the bottom of the lot, below the 100-year floodplain.
- NONTIDAL WETLANDS**: Indicated by a solid line at the bottom of the lot, below the wetland buffer.
- EXISTING CANOPY EDGE**: Indicated by a solid line at the bottom of the lot, below the nontidal wetlands.
- BUILDING RESTRICTION LINE**: Indicated by a solid line at the bottom of the lot, below the existing canopy edge.

RESOURCE DATA TABLE (INFORMATION TO BE SHOWN IS SQUARE FEET)	TOTAL AREA	IMPACTED AREA	NOT IMPACTED	DEFORESTATION OR REFORESTATION	CLEARED FOREST
PRIORITY FOREST	82,138	82,138	0		
NON-PRIORITY FOREST	0	0	0		
FORESTED WETLAND	0	0	0		
NON-FORESTED WETLAND	0	0	0		
FORESTED FLOODPLAIN	0	0	0		
NON-FORESTED FLOODPLAIN	0	0	0		
FORESTED STREAM VALLEY BUFFER	2,204	2,204	0		
NON-FORESTED STREAM VALLEY	2,056	0	2,056		

APPROVED BY		 
CITY OF ROCKVILLE PLANNING AND DEVELOPMENT SERVICES		
01/08/2025		AS DIRECTED
DATE SIGNED		
01/08/2025		
DATE APPROVED		

Community Planning & Development Services
Received
November 13, 2024