

Standard Woodland Conservation Worksheet				
for Prince George's County				
Section I - Establishing Site Information				
Zone: <u>R-E</u>	Owner: <u>First Baptist Church of Glenarden</u>			
Cross Tract: <u>150.06 Acres</u>	Address: <u>800 & 700 Watkins Park Drive</u>			
Floodplain: <u>3.84 Acres</u>	<u>Upper Marlboro, MD 20774</u>			
Prev. Dedicated Land: <u>0.00 Acres</u>	Phone: <u>(301)773-3600</u>			
Net Tract (NTA): <u>156.22 Acres</u>	Tax Map: <u>76</u>			
	Subdivision/Block/Lot: <u>Parcel 1</u>			
is this site subject to the 1989 Ordinance? <u>N</u>				
Reforestation Requirement Reduction Questions				
is this one (1) single family lot? <u>N</u>				
Are there prior TCP approvals which includes a combo of these lots and/or other lots? <u>Y</u>				
is this a mitigation bank? <u>N</u>				
Break-even Point (preservation) = <u>41.20 Acres</u>				
Clearing permitted w/o reforestation = <u>8.58 Acres</u>				
Section II - Determining Requirements				
	Column A WCA(AFT) %	Column B Net Tract	Column C Floodplain (1:1)	Column D Off-site Impacts (1:1)
Existing Woodland		50.49	3.72	
Woodland Conservation Threshold (WCT) =	25.00%	39.06		
Smaller of 13 or 14		39.06		
Woodland above WCT		11.44		
Woodland cleared		18.98	0.00	0.63
Woodland cleared above WCT (smaller of 16 or 17)		11.44		
Clearing above WCT (0.25 - 1) replacement requirement		2.68		
Woodland cleared below WCT		7.55		
Clearing below WCT (2:1 replacement requirement)		15.09		
Afforestation Threshold (AFT) =	20.00%	0.00		
Off-site WCA being provided on this property		0.00		
Woodland Conservation Required		50.09 acres		
Section III - Meeting the Requirements				
Woodland Preservation		30.27		
Afforestation / Reforestation		10.65		\$215,099.28
Natural Regeneration		5.81		
Specimen/Historic Tree Credit (CR2 area *2.0)	0.00	0.00		
Forest Enhancement Credit (Area * .25)	0.00	0.00		
Area approved for fee-in-lieu/PFA				\$0.00
Area approved for fee-in-lieu/non-PFA				\$0.00
Credits for Off-site Conservation on another property		3.36		
Off-site WCA (preservation) being provided on this property		0.00		
Off-site WCA (afforestation) being provided on this property		0.00		
Total Woodland Conservation Provided		50.09 Acres		
Area of woodland not cleared		31.51 acres		
Woodland retained but not part of requirements:		1.24 acres		
100% floodplain woodland retained		3.72 acres		
On-site woodland conservation provided:		46.73 acres		
On-site woodland retained not credited:		4.96 acres		
Plan Certified by:	Name: <u>Mike Petrakis</u>			
	Address: <u>11717 Woodmont Road, Suite 200</u>			
	<u>Upper Marlboro, MD 20774</u>			
	License: <u>Qualified Professional</u>			

NOTES:
1. Worksheet per Condition #5a of PGCPB No. 17-126 associated with 4-13010
2. Existing woodland values based on the previously approved TCP2-084-00-03, TCP2-085-07-01 and NR-074-06-04.
3. PMA impacts shown on the 06 revision were previously approved with preliminary plan of subdivision case 4-13013.

Woodlands preserved, planted or regenerated in fulfillment of woodland conservation requirements on-site have been placed in a woodland and wildlife habitat conservation easement. Guidance for Preparation and Recording of On-site Woodland Conservation Easements Environmental Planning Section, Prince George's County Planning Department Page 1. Easement recorded in the Prince George's County Land Records at Liber 47153 Folio 211. Revisions to this TCP2 may require a revision to the recorded easement.

QUALIFIED PROFESSIONAL CERTIFICATION
This plan complies with the current requirements of subtitle 25 and the Woodland and Wildlife Conservation Technical Manual.
Signed: MAPE Date: May 17, 2021
Michael Petrakis
Ben Dyer Associates, Inc.
11717 Woodmont Road, Suite 200
Upper Marlboro, MD 20774
Phone: (301) 430-2000 Email: mpetrakis@ben-dyer.com

General Information Table				
Layer Category	Layer Name	Value		
Zone	Zoning (Zone)	R-E (Residential Estate)		
Zone	Aviation Policy Area (APA)	N/A		
Administrative	Tax Grid (TMG)	76-B2		
Administrative	WSSC Grid (Sheet 20)	201SE12		
Administrative	Planning Area (Plan Area)	74A		
Administrative	Election District (ED)	Queen Anne - No. 7		
Administrative	Councilmanic District (CD)	6		
Administrative	General Plan 2002 Tier (Tier)	Developing		
Administrative	General Plan Growth Policy (2035)	Established Communities		
Administrative	Police District	II		

Site Statistics Table	
Site Statistics	Total
Gross tract area	160.06 ac.
Existing 100-year floodplain	3.84 ac.
Net tract area	156.22 ac.
Existing woodland in the floodplain	3.72 ac.
Existing woodland net tract	50.49 ac.
Existing woodland total	53.50 ac.
Existing PMA	16.73 ac.
Regulated streams (linear feet of centerline)	4,008 lf

PRESERVATION AREAS (PMA)	
No.	AREA (AC)
1	3.16
2	1.07
3	4.84
4	1.34
5	0.11
6	11.77
7	5.24
8	2.04
TOTAL	30.27

NATURAL REGENERATION AREA (NRA)	
No.	AREA (AC)
1	1.65
2	1.50
3	2.07
4	0.28
5	0.31
TOTAL	5.81

REFORESTATION AREAS (WRA)	
No.	AREA (AC)
1	8.36
2	2.11
3	0.18
TOTAL	10.65

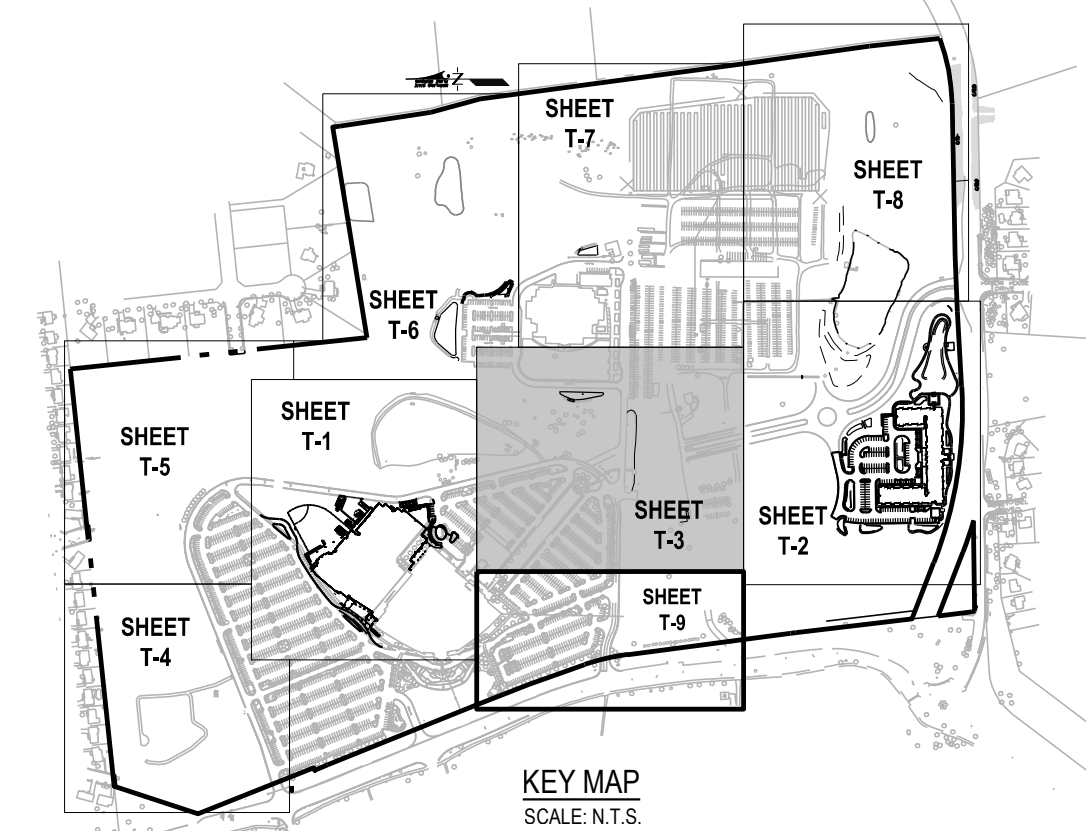
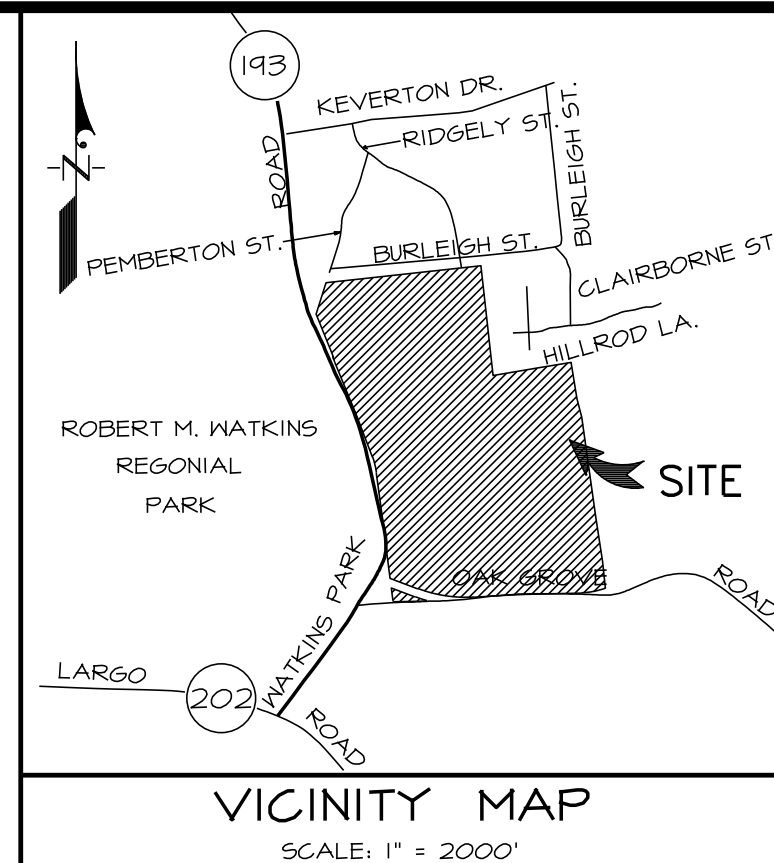
OFF-SITE CLEARING AREAS (C-OS)	
No.	AREA (AC)
1	0.32
2	0.21
3	0.10
TOTAL	0.63

SPECIMEN TREE TABLE				
No.	Common Name	Scientific Name	DBH (Inches)	Condition
1	Swamp White Oak	Quercus bicolor	36"	Poor
2	Swamp White Oak	Quercus bicolor	32"	Good
3	Swamp White Oak	Quercus bicolor	32"	Good
4	Swamp White Oak	Quercus bicolor	35"	Good
5	Red Maple	Acer rubrum	37"	Poor
6	Red Maple	Acer rubrum	34"	Poor
7	Red Maple	Acer rubrum	38"	Poor
8	Red Maple	Acer rubrum	32"	Fair
9	Red Maple	Acer rubrum	34"	Fair
10	Green Ash	Fraxinus pennsylvanica	34"	Good
11	Black Walnut	Juglans nigra	41"	Poor
12	Yellow Poplar	Liriodendron tulipifera	48"	Poor
13	Yellow Poplar	Liriodendron tulipifera	34"	Good
14	Red Maple	Acer rubrum	32"	Fair
15	Red Maple	Acer rubrum	52"	Good
16	White Oak	Quercus alba	56"	Fair
17	Red Maple	Acer rubrum	37"	Poor
18	Red Maple	Acer rubrum	38"	Poor
19	Red Maple	Acer rubrum	35"	Poor
20	Pin Oak	Quercus palustris	35"	Good
21	Sweetgum	Liquidambar styraciflua	32"	Fair
22	Pignut Hickory	Carya glabra	35"	Good
23	Pignut Hickory	Carya glabra	36"	Good
24	Yellow Poplar	Liriodendron tulipifera	51"	Good
25	American Beech	Fagus grandifolia	30"	Good
26	Douglas Trunk Yellow Poplar	Liriodendron tulipifera	34"	Good
27	Sweetgum	Liquidambar styraciflua	34"	Good
28	Sycamore	Platanus occidentalis	33"	Good

Tree Conservation Plan Approval			
TCP 2 - 094 - 02			
Approved by	Date	DRD #	Reason for Revision
00. ROBERT METZGER	09-01-02		Original approval
01. JOHN P. MARKOVICH	04-28-03		Fine grading & SWM
02. JOHN P. MARKOVICH	06-30-03		Water & sewer connection
03. MARC N. JUBA	08-18-14		Rev. to show Family Life Center
04. MARC N. JUBA	04-06-22		Rev. to show Children's Center, Condition #1 TCP2-085-07
05. MARY REA	08-02-24	SE-4838	SENIOR BUILDING
06. Mary Rea	11/25/2024		Access road & traffic circle addition

TREE CONSERVATION PLAN TYPE - 2
PARCEL 1
FIRST BAPTIST CHURCH OF GLENARDEN
QUEEN ANNE DISTRICT No. 7
PRINCE GEORGE'S COUNTY, MARYLAND
GRAPHIC SCALE 1"=100'
0 100 200 300

T-OV		DATE		DESCRIPTION		BY		REVISIONS	
<div>Oct. 19, 2024</div> <div>JAP</div> <div>Mike Petrakis Director, Professional Construction CRB DR 19.06.01</div>	12/09/20	Rev. to show Senior Building/ Elderly Housing	AA	11717 WOODMONT ROAD, SUITE 200, UPPER MARLBORO, MARYLAND 20774					
	10/26/20	Rev. to show Children's Center & combine with TCP2-085-07	PCN	BEN DYER ASSOCIATES, INC. ENGINEERS/SURVEYORS/PLANNERS					
	03/25/14	Rev. to show final site grading & SWM	MP	COPYRIGHT © 2020 BEN DYER ASSOCIATES, INC.					
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	03/25/14	Rev. to show final site grading & SWM	MP	COPYRIGHT © 2020 BEN DYER ASSOCIATES, INC.					
	06/30/03	Rev. to show water & sewer connection	KH	J-B000228					
	01/13/03	Rev. to show final site grading & SWM	BY	J-B000228					
	DATE	DESCRIPTION	BY	REVISIONS					
	10/19/2024	Rev. to show Senior Building/Elderly Housing	AA	11717 WOODMONT ROAD, SUITE 200, UPPER MARLBORO, MARYLAND 20774					
	10/26/20	Rev. to show Children's Center & combine with TCP2-085-07	PCN	BEN DYER ASSOCIATES, INC. ENGINEERS/SURVEYORS/PLANNERS					
	03/25/14	Rev. to show final site grading & SWM	MP	COPYRIGHT © 2020 BEN DYER ASSOCIATES, INC.					
	06/30/03	Rev. to show water & sewer connection	KH	J-B000228					
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	DATE	DESCRIPTION	BY	REVISIONS					
	10/19/2024	Rev. to show Senior Building/Elderly Housing	AA	11717 WOODMONT ROAD, SUITE 200, UPPER MARLBORO, MARYLAND 20774					
	10/26/20	Rev. to show Children's Center & combine with TCP2-085-07	PCN	BEN DYER ASSOCIATES, INC. ENGINEERS/SURVEYORS/PLANNERS					
	03								



We, First Baptist Church of Gloucester, hereby acknowledge that we are aware of this Type 2
Tree Certification Plan (TCP2) and that we understand the requirements as set forth in this TCP2.

John K. Jenkins, Sr. 6-3-21


John K. Jenkins, Sr., Pastor and Christ Elder Date

I/We _____ hereby acknowledge that we are aware of this Type 2
Tree Conservation Plan (TCP2) and that we understand the requirements as set forth in this TCP2.

John K. Perkins, Sr. 6-3-21
Contract Purchaser Date

QUALIFIED PROFESSIONAL CERTIFICATION

This plan complies with the current requirements of subtitle 25 and the Woodland and Wildlife Conservation Technical Manual.



Signed: _____ Date: May 17, 2021

Michael Petrakis
Ben Dyer Associates, Inc.
11721 Woodmore Road, Midvale, Maryland 20721
Phone: (301) 453-2020 Email: mpetrakis@bendyer.com

Prince George's County Planning Department, M-NCPPC				
Environmental Planning Section				
TREE CONSERVATION PLAN APPROVAL				
TCP 2 - 094 - 02				
Approved by		Date	DR#	Reason for Revision
00	ROBERT METZGER	09-01-02		Original approval
01	JOHN P. MARKOWICZ	04-28-03		Final grading & SWM
02	JOHN P. MARKOWICZ	06-30-03		Water & sewer connection
03	MARC N. JURBA	09-18-14		Rev. to show Family Life Center
04	MARC N. JURBA	04-06-22		Rev. to show O'Brien's Garage, Circle 4 w/ 1094-085-07
05	PLANNY ROE	11/25/2024	SE-4635	SPRINKLER BUILDING
06	<i>Theresa Cox</i>			Access road & traffic circle addition

TREE CONSERVATION PLAN TYPE - 2
 PARCEL 1
FIRST BAPTIST CHURCH OF GLENARDEN
 QUEEN ANNE DISTRICT No. 7
 PRINCE GEORGE'S COUNTY, MARYLAND

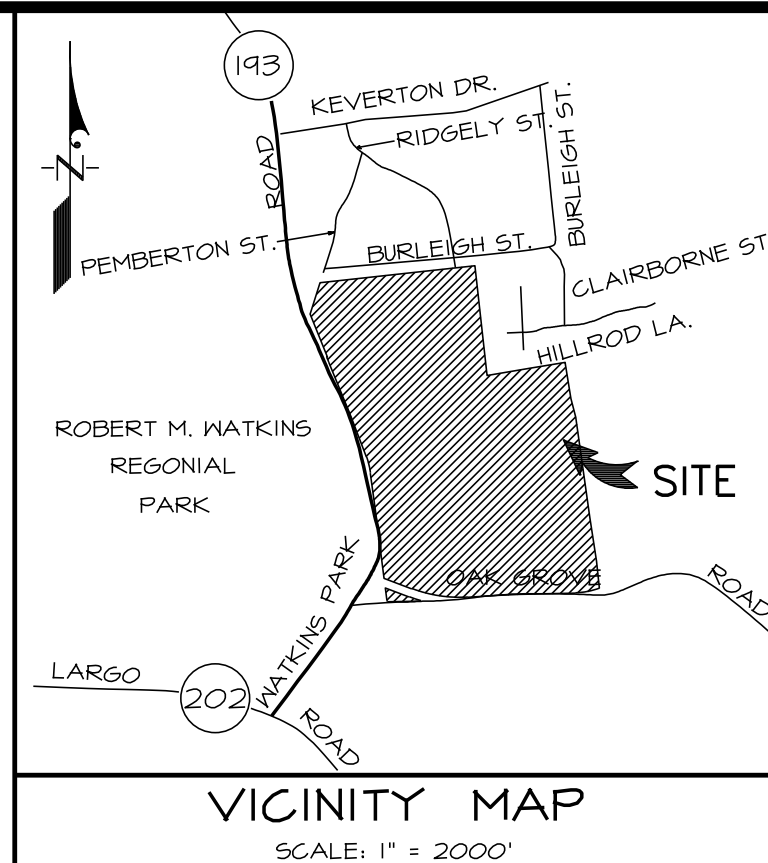
GRAPHIC SCALE

0 30' 60' 90' 1"=30'

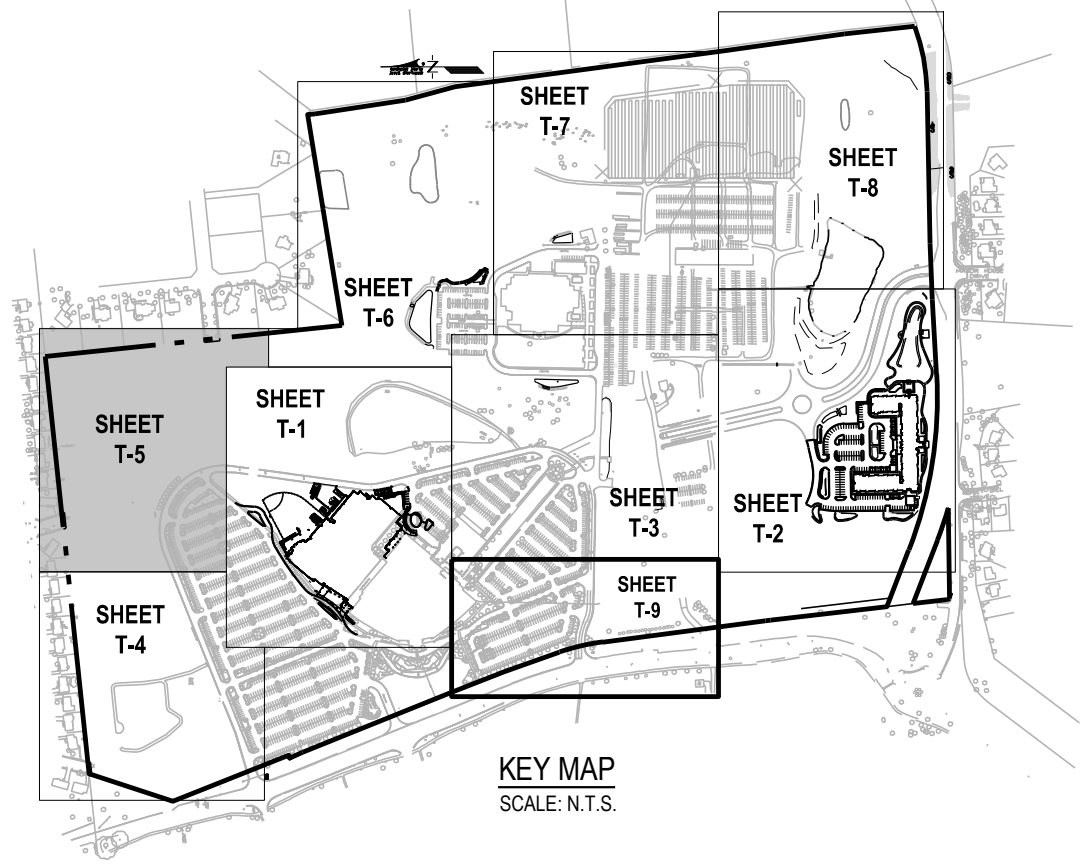
OWNER/DEVELOPER
FIRST BAPTIST CHURCH OF GLENARDEN
3600 BRIGHTSEAT ROAD
LANDOVER, MD. 20785
PASTOR JOHN K. JENKINS, SR
PHONE: (301) 773-3600

T-3

DEN	Oct. 18, 2024 DATE 								(1) 721 WOODBINE ROAD, SUITE 200 MORTONSVILLE, MISSOURI 65701
							BEN DYER ASSOCIATES, INC. Simpson's Restaurant Partners TELEPHONE (303) 430-2000 COPYRIGHT © 2020 BEN DYER ASSOCIATES, INC.		
	12/09/20	Rev. to show Senior Building/ Elderly Housing	AA	BY	DRAWN BY DESIGNED BY CHECKED BY	MP NP MP	PERIODIC BY DATE	J-B00028	
	DATE	DESCRIPTION			SCALE	"1"=30'	SHEET NO.		
	REVISONS								
	DATE	DESCRIPTION			DATE	OCTOBER 2020	SHEET NO.	54-025-Z	
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- LEGEND**
- PROPERTY BOUNDARY
 - EX. ZONE LINE
 - EX. CONTOUR (2')
 - EX. CONTOUR (10')
 - PROP. CONTOUR (2')
 - PROP. CONTOUR (10')
 - LIMIT OF DISTURBANCE
 - EX. TREELINE
 - EX. HEDGEROW
 - PRIMARY MANAGEMENT AREA (PMA)
 - REGULATED STREAM (CENTERLINE)
 - REGULATED STREAM (TOP OF BANK)
 - STREAM BUFFER (50')
 - NONTIDAL WETLAND
 - EX. WETLAND BUFFER (25')
 - EX. EASEMENT
 - TREE PROTECTION FENCE (TEMPORARY)
 - TREE PROTECTION FENCE (PERMANENT)
 - CLEARED OFF-SITE AREA (C-OS)
 - WOODLAND PRESERVATION AREA (WPA)
 - WOODLAND REFORESTATION AFFORESTATION AREA (WRA)
 - WOODLAND REGENERATION AREA (NRA)
 - SPECIMEN, CHAMPION, HISTORIC TREE PROPOSED FOR REMOVAL
 - SPECIMEN, CHAMPION, HISTORIC TREE TO BE SAVED



We, First Baptist Church of Glenarden, hereby acknowledge that we are aware of this Type 2 Tree Conservation Plan (TCP2) and that we understand the requirements as set forth in this TCP2.

John K. Jenkins, Sr. Date: 6-3-21

John K. Jenkins, Sr., Pastor and Trust Elder

We, First Baptist Church of Glenarden, hereby acknowledge that we are aware of this Type 2 Tree Conservation Plan (TCP2) and that we understand the requirements as set forth in this TCP2.

John K. Jenkins, Sr. Date: 6-3-21

Copyright Purchaser

QUALIFIED PROFESSIONAL CERTIFICATION

This plan complies with the current requirements of subtitle 25 and the Woodland and Wildlife Conservation Technical Manual.

Signed: MA-R Date: May 17, 2021

Michael Petroski
Ben Dyer Associates, Inc.
17721 Woodmore Road, Metairieville, Maryland 20721
Phone: (301) 430-2000 Email: mpetroski@benoyer.com

Prince George's County Planning Department, M-NCPPC Environmental Planning Section TREE CONSERVATION PLAN APPROVAL TCP 2 - 094 - 02			
Approved by	Date	DRD #	Reason for Revision
00 ROBERT METZGER	09-01-02		Original approval
01 JOHN P. MARKOVICH	04-28-03		Fine grading & SWM
02 JOHN P. MARKOVICH	06-30-03		Water & sewer connection
03 MARC N. JUBA	09-18-14		Rev. to show Family Life Center
04 MARC N. JUBA	04-06-22		Rev. to show Senior Center, Center w/ TCP2-085-02
05 MARY REA	08-02-24	SE-4838	SENIOR BUILDING
06 Mary Rea	11/25/2024		Access road & traffic circle addition

OWNER/DEVELOPER

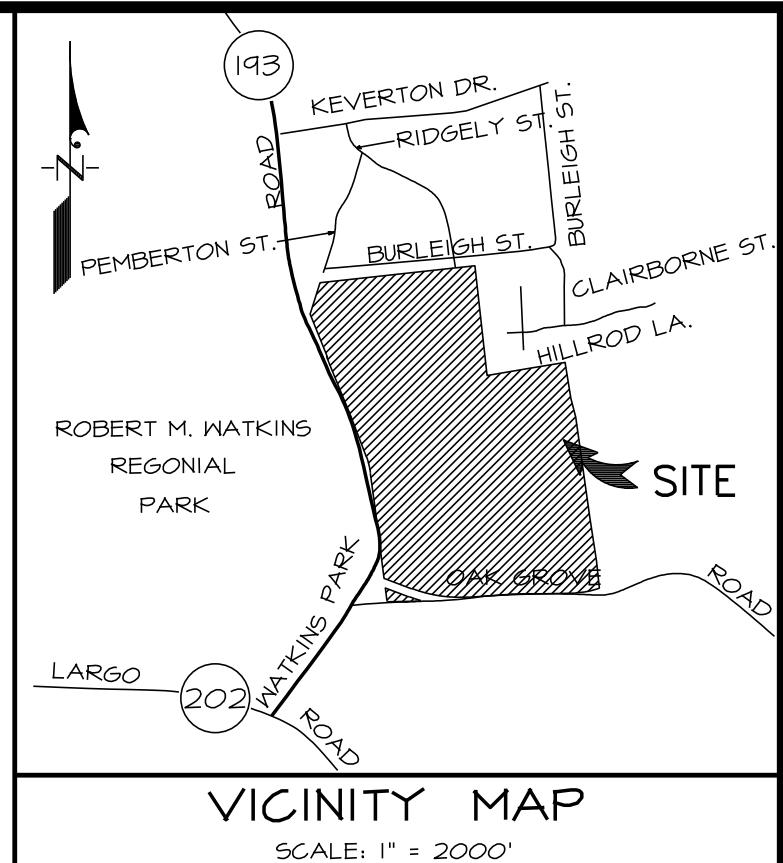
FIRST BAPTIST CHURCH OF GLENARDEN
3600 BRIGHTSEAT ROAD
LANDOVER, MD 20785
PASTOR JOHN K. JENKINS, SR
PHONE: (301) 773-3600

TREE CONSERVATION PLAN TYPE - 2
PARCEL 1
FIRST BAPTIST CHURCH OF GLENARDEN
QUEEN ANNE DISTRICT No. 7
PRINCE GEORGE'S COUNTY, MARYLAND

GRAPHIC SCALE 1"=30'

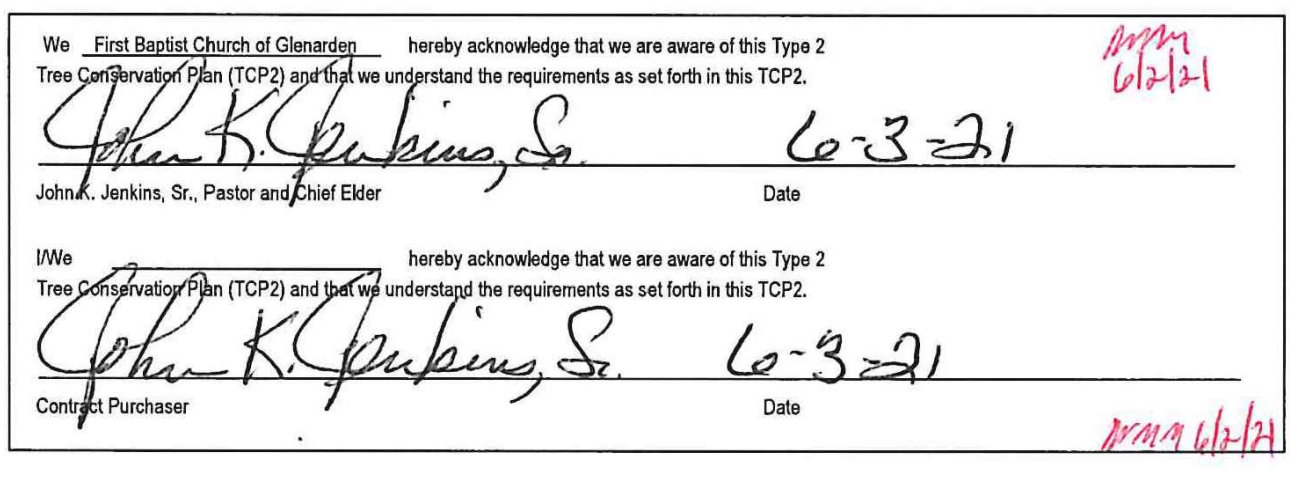
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T-5			
DATE	12/09/20	Rev. to show Senior Building/ Elderly Housing	AA
DATE	12/09/20	Rev. to show Senior Building/ Elderly Housing	AA
DATE	12/09/20	Rev. to show Senior Building/ Elderly Housing	AA
DATE	12/09/20	Rev. to show Senior Building/ Elderly Housing	AA
DATE	12/09/20	Rev. to show Senior Building/ Elderly Housing	AA
DATE	12/09/20	Rev. to show Senior Building/ Elderly Housing	AA
DATE	12/09/20	Rev. to show Senior Building/ Elderly Housing	AA
DATE	12/09/20	Rev. to show Senior Building/ Elderly Housing	AA
DATE	12/09/20	Rev. to show Senior Building/ Elderly Housing	AA
DATE	12/09/20	Rev. to show Senior Building/ Elderly Housing	AA



PLAT FOUR
COUNTRY
SHEPHERD
P.B. VI 63 P.N. 56
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USE: OPEN SPACE

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PLAT FOUR OF
P.B. S.W. 1/4
ZONED
USE: OPEN

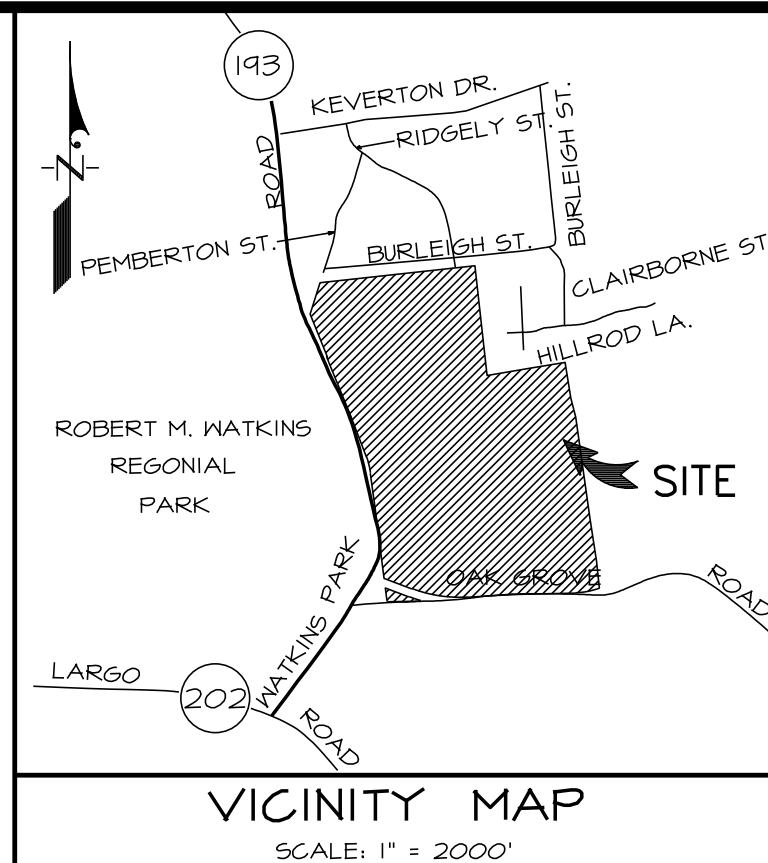
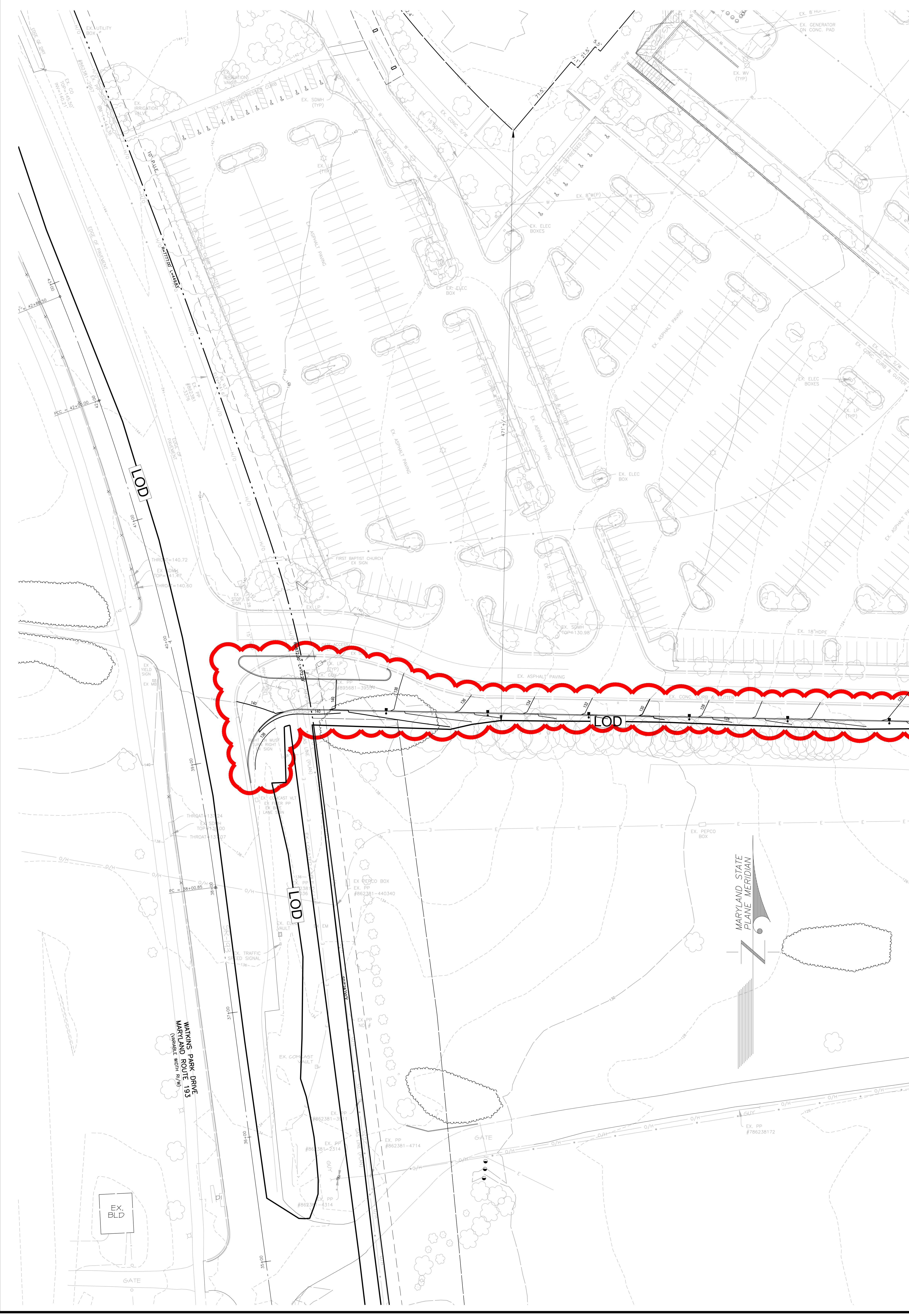


Prince George's County Planning Department, M-NCPPC Environmental Planning Section TREE CONSERVATION PLAN APPROVAL TCP 2 – 094 – 02				
	Approved by	Date	DWG #	Reason for Revision
00	ROBERT METZGER	09-01-02		Original approval
01	JOHN P. MARKOVICH	04-28-03		Fine grading & SWM
02	JOHN P. MARKOVICH	06-30-03		Water & sewer connection
03	MARC N. JUBA	09-16-14		Rev. to show Family Life Center
04	MARC N. JUBA	04-06-22		Rev. to show District's name, continue at 1002-094-07
05	MARY REA	08-02-24	SE-4838	SENIOR BUILDING
06	<i>Mary Rea</i>	11/25/2024		Access road & traffic circle addition

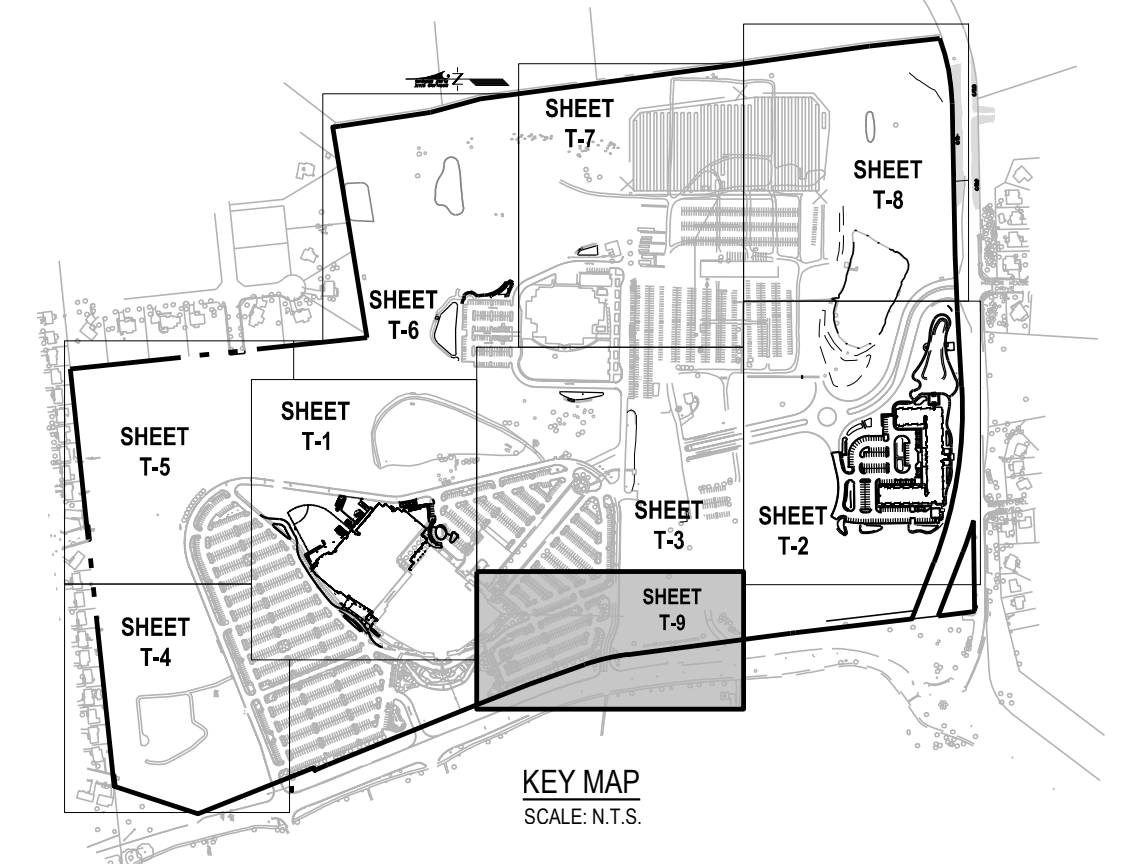
T-7

12/09/20	Rev. to show Senior Building/ Elderly Housing	AA	DRAWN BY: AA DESIGNED BY: MP CHECKED BY: BC			RECORD NO. J-B00028
DATE	DESCRIPTION	BY	SCALE: 1"=30' DATE: OCTOBER 2020			DRAWG. NO. 54.029-Z
REVISIONS						

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- LEGEND**
- PROPERTY BOUNDARY
 - EX. ZONE LINE
 - EX. CONTOUR (2)
 - EX. CONTOUR (10)
 - PROP. CONTOUR (2)
 - PROP. CONTOUR (10)
 - LIMIT OF DISTURBANCE
 - EX. TREELINE
 - EX. HEDGEROW
 - PRIMARY MANAGEMENT AREA (PMA)
 - REGULATED STREAM (CENTERLINE)
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 - TREE PROTECTION FENCE (TEMPORARY)
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 - WOODLAND REGENERATION AREA (NRA)
 - SPECIMEN, CHAMPION, HISTORIC TREE PROPOSED FOR REMOVAL
 - SPECIMEN, CHAMPION, HISTORIC TREE TO BE SAVED



We, John K. Jenkins, Sr., hereby acknowledge that we are aware of this Type 2 Tree Conservation Plan (TCP2) and that we understand the requirements as set forth in this TCP2.

John K. Jenkins, Sr. Date 6-3-21

We, John K. Jenkins, Sr., hereby acknowledge that we are aware of this Type 2 Tree Conservation Plan (TCP2) and that we understand the requirements as set forth in this TCP2.

John K. Jenkins, Sr. Date 6-3-21

Contract Purchaser

QUALIFIED PROFESSIONAL CERTIFICATION

This plan complies with the current requirements of subtitle 25 and the Woodland and Wildlife Conservation Technical Manual.

Signed: MAPE Date: May 17, 2021

Michael Petroski
Ben Dyer Associates, Inc.
11721 Woodstone Road, Mitchellville, Maryland 20701
Phone: (301) 430-2000 Email: mpetroski@bendyer.com

Prince George's County Planning Department, M-NCPPC Environmental Planning Section TREE CONSERVATION PLAN APPROVAL TCP 2 - 094 - 02				
Approved by	Date	DRD #	Reason for Revision	
00 ROBERT METZGER	09-01-02		Original approval	
01 JOHN P. MARKOVICH	04-28-03		Fine grading & SWM	
02 JOHN P. MARKOVICH	06-30-03		Water & sewer connection	
03 MARC N. JUBA	09-18-14		Rev. to show Family Life Center	
04 MARC N. JUBA	04-06-22		Rev. to show Senior Center, Contain # 1092-089-07	
05 MARY REA	08-02-24	SE-4838	SENIOR BUILDING	
06 Mary Rea	11/25/2024		Access road & traffic circle addition	

TREE CONSERVATION PLAN TYPE - 2
PARCEL 1
FIRST BAPTIST CHURCH OF GLENARDEN
QUEEN ANNE DISTRICT No. 7
PRINCE GEORGE'S COUNTY, MARYLAND

GRAPHIC SCALE 1"=30'

0 30 60 90

OWNER/DEVELOPER
FIRST BAPTIST CHURCH OF GLENARDEN
3600 BRIGHTSEAT ROAD
LANDOVER, MD. 20785
PASTOR JOHN K. JENKINS, SR
PHONE: (301) 773-3600

T-9		Oct. 19, 2024		11721 WOODSTONE ROAD, SUITE 200 MITCHELLVILLE, MARYLAND 20701	
DATE		Mike Petroski		BEN DYER ASSOCIATES, INC.	
12/09/20		Rev. to show Senior Building Elderly Housing		Engineers / Surveyors / Planners	
DATE		DESCRIPTION		TELEPHONE (301) 430-2000	
AA		BY		COPYRIGHT © 2020 BEN DYER ASSOCIATES, INC.	
BB		BY		PROJECT / DRAWING / REVISION	
CC		BY		DATE	
DD		BY		J-B00028	
EE		BY		54.032-2	

GENERAL NOTES

- This plan is submitted to fulfill the woodland conservation requirements for SE-4838. If the associated plan and permits expire, then this TCP2 also expires and is no longer valid.
- Cutting or clearing of woodland not in conformance with this plan or without the expressed written consent of the Planning Director or designee shall be subject to a \$5.00 per square foot mitigation fee.
- A pre-construction meeting is required prior to the issuance of grading permits. The Department of Permitting and Enforcement (DPE), or the Department of Environmental Resources, as appropriate, shall be contacted prior to the start of any work on the site to conduct a pre-construction meeting where representation of woodland conservation measures shown on this plan will be discussed in detail.
- The developer or builder of the lots or parcels shown on this plan shall notify future buyers of any woodland conservation areas through the provision of a copy of this plan at time of contract signing. Future property owners are also subject to this requirement.
- The owners of the property subject to this tree conservation plan are solely responsible for conformance to the requirements contained herein.
- The property is within the Developing Tier and is zoned R-6 (Residential-Estate).
- The property has features on Watkins Park Drive and Oak Grove Road, both of which are designated as historic roadways.
- The property is located abutting Watkins Park Road which is classified as a Master Planned designated arterial roadway.

TREE PRESERVATION AND RETENTION NOTES

- All woodlands designated on this plan for preservation are the responsibility of the property owner. The woodland areas shall remain in a natural state. This includes the canopy trees and understory vegetation. A revised tree conservation plan is required prior to clearing woodland areas that are not specifically identified to be cleared on the approved TCP2.
- Tree and woodland conservation methods such as root pruning shall be conducted as noted on this plan.
- The location of all temporary tree protection fencing (TPFs) shown on this plan shall be flagged or staked in the field prior to the pre-construction meeting. Upon approval of the locations by the county inspector, installation of the TPFs may begin.
- All temporary tree protection fencing required by this plan shall be installed prior to the commencement of clearing and grading of the site and shall remain in place until the bond is released for the project. Failure to install and maintain temporary or permanent tree protective devices is a violation of this TCP2.
- Woodland preservation areas or parcels to be planted with signage as shown on the plans at the same time as the temporary TPF installation. These signs must remain in perpetuity.
- The owner, developer and/or builder is responsible for the complete preservation of all forested areas shown on the approved plan to remain undisturbed. Only trees that are designated by the county as dead, dying, or hazardous may be removed.
- A tree is considered hazardous if a condition is present which leads a Certified Arborist or Licensed Tree Expert to believe that the tree or a portion of the tree has a potential to fall and strike a structure, parking area, or other high use area and result in personal injury or property damage.
- During the initial stages of clearing and grading, if hazardous trees are present, or trees are present that are not hazardous but are leaning into the disturbed area, the permittee shall remove said trees using a chain saw. Corrective measures requiring the removal of the hazardous tree or portions thereof shall require authorization by the county inspector. Only after approval by the inspector may the tree be cut by chain saw to near the existing ground level. The stump shall not be removed or covered with soil, mulch or other materials that would inhibit sprouting.
- If a tree or trees become hazardous prior to bond release for the project, due to storm events or other situations resulting from an action by the permittee, prior to removal, a Certified Arborist or a Licensed Tree Expert must certify that the tree or the portion of the tree in question has a potential to fall and strike a structure, parking area, or other high use area and may result in personal injury or property damage. If a tree or portions thereof are in imminent danger of striking a structure, parking area, or other high use area and may result in personal injury or property damage then the certification is not required and the permittee shall take corrective action immediately. The condition of the area shall be fully documented through photographs prior to corrective action being taken. The photos shall be submitted to the inspector for documentation of the damage.
- Source of Seedlings: Kelly's Tree Services, Inc. 2951 Brickhouse Rd. Dunkirk, MD 20754 (301) 855-4288

NATURAL REGENERATION NOTES

- All existing turf, ground covers, and invasive species shall be exterminated using a general broadcast herbicide such as Round-Up or equivalent. Secondary applications shall be applied as necessary.
- Care shall be taken to avoid spraying any hardwood seedlings or saplings.
- Root-tilling of turf areas and manual removal of invasive vines, as necessary, shall be completed two weeks after chemical treatments are completed.
- Reforestation signs shall be installed every fifty feet or as appropriate and two strand wire fencing shall be installed along road frontages adjacent to any reforestation areas.
- Reforestation internal to the site shall be posted as required in the direction of any trails used to reach those areas.
- Natural regeneration shall be encouraged by semi-annual maintenance of the designated areas. The maintenance shall, at a minimum, require removal of competitive and invasive species from the desired indigenous hardwoods. This maintenance shall occur for a period of two years.
- After one and two years all desirable seedlings and saplings shall be counted and flagged with surveyors tape in the field.
- If after two years there is less than one seedling per 60 square feet and there are indications that natural regeneration is not occurring adequately then the owners shall plant those areas with container grown seedlings at a rate of one per 60 square feet. Only naturally occurring species already present within the site shall be used.

Debris from the tree removal or pruning that occurs within 35 feet of the woodland edge may be removed and properly disposed of by recycling, chipping or other acceptable methods. All debris that is more than 35 feet from the woodland edge shall be cut up to allow contract with the ground, thus encouraging decomposition. The smaller materials shall be placed into brush piles that will serve as wildlife habitat.

Tree work to be completed within a road right-of-way requires a permit from the Maryland Department of Natural Resources unless the tree removal is shown within the approved limits of disturbance on a TCP2. The work is required to be conducted by a Licensed Tree Expert.

- Tree protection fencing (TPFs) is not required for all or portions of this plan because an undisturbed 100-foot buffer of open land or a 50-foot forested buffer is being maintained between the limit of disturbance (LOD) and the woodland preservation areas. If the LOD changes and the change impacts these buffers, the county inspector shall be contacted to evaluate the change to determine if a revision to the tree conservation plan is necessary or if installation TPFs will be required.

AFFORESTATION AND REFORESTATION NOTES

- All afforestation and reforestation bonds, based on square footage, shall be posted with the county prior to the issuance of any permits. These bonds will be returned as surety until all required activities have been satisfied or the required timeframe for maintenance has passed, whichever is longer.
- The planting of afforestation or reforestation areas shall be completed prior to the issuance of the first building permit. (This standard rate may be modified as necessary to address which building permits are adjacent to the proposed planting areas.) Seedling planting is to occur from November through May only. No planting shall be done while ground is frozen. Planting with large caliper stock or containerized stock may be done at any time provided a detailed maintenance schedule is provided.
- If planting cannot occur due to planting conditions, the developer or property owner shall install the fencing and signage in accordance with the approved Type 2 Tree Conservation Plan. Planting shall then be accomplished during the next planting season. If planting is delayed beyond the transfer of the property title, the developer or builder shall obtain a signed statement from the purchaser indicating that they understand that the reforestation area is located on their property and that reforestation will occur during the next planting season. A copy of that document shall be presented to the Grading Inspector and the county.
- Reforestation areas shall not be mowed. The management of competing vegetation around individual trees and the removal of noxious, invasive, and non-native vegetation within the reforestation areas is acceptable.
- All required temporary tree protection fencing shall be installed prior to the clearing and grading of the site and shall remain in place until the permanent tree protection fencing is installed with the required planting. The temporary fencing is not required to be installed if the permanent fencing is installed prior to clearing and grading of the site. Failure to install and maintain temporary or permanent tree protective fencing is a violation of this TCP2.
- Afforestation/reforestation areas shall be posted with notification signage, as shown on the plans, at the same time as the permanent protection fencing installation. These signs shall remain in perpetuity.
- The county inspector shall be notified prior to soil preparation or initiation of any tree planting on this site.
- At time of issuance of the first permit, the following information shall be submitted to the M-NCPPC Planning Department regarding the contractor name, address, and phone number responsible for implementation of this plan.

Results of annual survival checks for each of the required four years after tree planting shall be reported to the M-NCPPC, Planning Department.

- Failure to establish the afforestation or reforestation within the prescribed time frame will result in the forfeiture of the reforestation bond or a violation of this plan including the associated \$5.00 per square foot penalty unless the county inspector approves a written extension.

PLANTING SPECIFICATION NOTES

- Quantity: (See Plant Schedule)
- Type: (See Plant Schedule)
- Plant Quality Standards: The plants selected shall be healthy and sturdy representatives of their species. Seedlings shall have a minimum top growth of 18". The diameter of the root collar (the part of the root just below ground level) shall be at least 3/8". The roots shall be well developed and at least 8" long, no more than twenty-five percent (25%) of the root system (both primary and auxiliary/thoracic roots) shall be present.

Plans that do not have an abundance of well developed terminal buds on the leaders and branches shall be rejected.

Plants shall be shipped by the nursery immediately after lifting from the field or removal from the green house, and planted immediately upon receipt from the nursery or temporary storage area shall be planted immediately.

If the plants cannot be planted immediately after delivery to the reforestation site, they shall be stored in the shade with their root masses protected from direct exposure to sun and wind by the use of straw, peat moss, compost, or other suitable material and shall be maintained through periodic watering, until the time of planting.

- Planting Handling: The quantity of seedlings taken to the field shall not exceed the quantity that can be planted in a day. Seedlings, once removed from the nursery or temporary storage area shall be planted immediately.
- Timing of Planting: The best time to plant seedlings is while they are dormant, prior to spring budding. The most suitable months for planting are March and April, when the soil is moist, but may be planted from March through November. No planting shall be done while ground is frozen. Planting shall occur within one growing season of the issuance of grading/building permits and/or reaching the final grades and stabilization of planting areas.

- Seedling Planting: Tree seedlings shall be hand planted using a dibble bar or sharp-shooter shovel. It is important that the seedling be placed in the hole so that the roots can spread out naturally; they should not be twisted, balled up or bent. Most soil should then be packed firmly around the roots. Seedlings should be planted at a depth where their roots lay just below ground surface. Air pockets should not be left after closing the hole which would allow the roots to dry out. See planting details for further explanation. If the contractor wishes to plant by another method, the preparer of this tree conservation plan must be contacted and give his approval before planting may begin.
- Spacing: See Plant Schedule and/or Planting Plan for spacing requirements. Also refer to the Planting Layout detail for a description of the general planting theory.
- Soil: Upon the completion of all grading operations, a soil test shall be conducted to determine what soil preparation and soil amendments, if any, are necessary to create good tree growing conditions. Soil samples shall be taken at a rate that provides one soil sample for each area that appears to have a different soil type (if the entire area appears uniform, then only one sample is necessary), and submitted for testing to a private company. The company of choice shall make recommendations for improving the existing soil. The soil will be tested and recommended for corrections of soil texture, pH, magnesium, phosphorus, potassium, calcium and organic matter.
- Soil Improvement Measures: The soil shall then be improved according to the recommendations made by the testing company.
- Fencing and Signage: Final protective fencing shall be placed on the visible and/or development side of planting areas. The final protective fence shall be installed upon completion of planting operations unless it was installed during the initial stages of development. Signs shall be posted per the signage detail on this sheet.
- Planting method: Consult the Planting Detail(s) shown on this plan.
- Mulching: Apply two-inch thick layer of woodchip or shredded hardwood mulch (as noted) to each planting site (see detail shown on this plan).
- Groundcover and Signage: The remaining disturbed area between planting sites shall be seeded and stabilized with white clover seed at the rate of 5 pounds per acre.
- Mowing: No mowing shall be allowed in any planting area.

- Survival Check for Bond Release: The seedling planting is to be checked at the end of each year for four years to assure that no less than 75% of the original planted quantity survives. If the minimum number has not been provided the area must be supplemented with additional seedlings to reach the required number at time of planting.

- Source of Seedlings: Kelly's Tree Services, Inc. 2951 Brickhouse Rd. Dunkirk, MD 20754 (301) 855-4288

NATURAL REGENERATION NOTES

- All existing turf, ground covers, and invasive species shall be exterminated using a general broadcast herbicide such as Round-Up or equivalent. Secondary applications shall be applied as necessary.
- Care shall be taken to avoid spraying any hardwood seedlings or saplings.
- Root-tilling of turf areas and manual removal of invasive vines, as necessary, shall be completed two weeks after chemical treatments are completed.
- Reforestation signs shall be installed every fifty feet or as appropriate and two strand wire fencing shall be installed along road frontages adjacent to any reforestation areas.
- Reforestation internal to the site shall be posted as required in the direction of any trails used to reach those areas.
- Natural regeneration shall be encouraged by semi-annual maintenance of the designated areas. The maintenance shall, at a minimum, require removal of competitive and invasive species from the desired indigenous hardwoods. This maintenance shall occur for a period of two years.
- After one and two years all desirable seedlings and saplings shall be counted and flagged with surveyors tape in the field.
- If after two years there is less than one seedling per 60 square feet and there are indications that natural regeneration is not occurring adequately then the owners shall plant those areas with container grown seedlings at a rate of one per 60 square feet. Only naturally occurring species already present within the site shall be used.

FOUR-YEAR MANAGEMENT PLAN FOR REAFFORESTATION AREAS

Field check the re-afforestation area according to the following schedule:

- Year 1: Site Preparation and Tree Planting
Survival check once annually (September-November) (see Note 1)
Watering is needed (2 x monthly)
Control of undesirable vegetation as needed (1 x in June and 1 x in September min.)
- Year 2-3: Reinforcement planting is needed (See Note 2)
Survival check once annually (September-November)
Control of undesirable vegetation if needed (1 x in May and 1 x in August min.)
- Year 4: Reinforcement planting if needed. (See Note 2)
Survival Check (September-November)
- Survival Check: Check planted stock against plant list (or as-built) by walking the site and taking inventory. Plants must show vitality. Submit field data forms (Condition Check Sheets) to owner after each inspection. Remove all dead plants.
 - Reinforcement Planting: Replace dead or missing plants in sufficient quantity to bring the total number of live plants to at least 70% of the number originally planted. If a particular species suffers unusually high mortality, replace with an alternative plant type.
 - Miscellaneous: Fertilization or watering during years 1 through 3 will be done on an as needed basis. Special return operations or recommendations will be conducted on an as needed basis.

- Prior to the issuance of the first permit for the development shown on this TCP2, all off site woodland conservation required by this plan shall be identified on an approved TCP2 plan and recorded as an off-site easement in the land records of Prince George's County. Proof of recordation of the off-site conservation shall be provided to the M-NCPPC, Planning Department prior to issuance of any permit for the associated plan.

INVASIVE SPECIES NOTES

- Invasive plant removal shall be completed prior to _____ (insert timing mechanism) and conform to the recommendations of the invasive plant removal plan shown on the plan prepared by Ben Dyer Associates, INC (BDA) dated March 2021.
- The removal of noxious, invasive, and non-natives plant species shall be done with the use of hand-held equipment only such as pruners or a chain saw. These plants may be cut near the ground and the material less than two inches diameter may be removed from the area and disposed of appropriately. All material from these noxious, invasive, and non-native plants greater than two (2) inches diameter shall be cut to allow contact with the ground, thus encouraging decomposition.
- The use of broadcast spraying of herbicides is not permitted. However, the use of herbicides to discourage re-sprouting of invasive, noxious, or non-native plants is permitted if done as an application of the chemical directly to the cut stump immediately following cutting of plant type. The use of any herbicide shall be done in accordance with the label instructions and be applied by a certified pesticide applicator.

POST DEVELOPMENT NOTES

- If the developer or builder no longer has an interest in the property and the new owner desires to remove a hazardous tree or portion thereof, the new owner shall obtain a written statement from a Certified Arborist or Licensed Tree Expert identifying the hazardous condition and the proposed corrective measures prior to having the work conducted. After property documentation has been completed per the handout "Guidance for Prince George's County Property Owners, Preservation of Woodland Conservation Areas", the arborist or tree expert may then remove the tree. The stump shall be cut as close to the ground as possible and left in place. The removal or grinding of the stumps in the woodland conservation area is not permitted.

If a tree or portions thereof are in imminent danger of striking a structure, parking area, or other high use area and may result in personal injury or property damage, then the certification is not required and the permittee shall take corrective action immediately. The condition of the area shall be fully documented through photographs prior to corrective action being taken. The photos shall be submitted to the inspector for documentation of the damage.

Tree work to be completed within a road right-of-way requires a permit from the Maryland Department of Natural Resources unless the tree removal is shown within the approved limits of disturbance on a TCP2. The work is required to be conducted by a Licensed Tree Expert.

- The removal of noxious, invasive, and non-native plant species from any woodland preservation area shall be done with the use of hand-held equipment only (pruners or a chain saw). These plants may be cut near the ground and material less than two inches diameter may be removed from the area and disposed of appropriately. All material from these noxious, invasive, and non-native plants greater than two (2) inches diameter shall be cut to allow contact with the ground, thus encouraging decomposition.
- The use of broadcast spraying of herbicides is not permitted. However, the use of herbicides to discourage re-sprouting of invasive, noxious, or non-native plants is permitted if done as an application of the chemical directly to the cut stump immediately following cutting of plant type. The use of any herbicide shall be done in accordance with the label instructions.
- The use of chainsaws is extremely dangerous and should not be conducted with poorly maintained equipment, without safety equipment, or by individuals not trained in the use of this equipment for the pruning and/or cutting of trees.

Protection of Reforestation and Afforestation Areas

- Reforestation fencing and signage shall remain in place in accordance with the approved Type 2 Tree Conservation Plan.
- Reforestation areas shall not be mowed; however, the management of competing vegetation and removal of noxious, invasive, and non-native vegetation around individual trees is acceptable.

STOCK SPECIFICATION 700 SEEDLINGS PER ACRE							
TOTAL REAFFORESTATION PROVIDED: 10.33 ACRES							
Reforestation Area	Acreage	Seedling Selection					Total No. of Seedlings
		Tulio Poplar	Sweet Gum	Sycamore	Red Oak	White Oak	
1	8.36	1171	1171	1171	1171	1171	5655
2	2.11	296	296	296	296	296	1480
3	0.18	26	26	26	26	26	130
TOTAL	10.65	1493	1493	1493	1493	1493	7465

NOTES:

- All tree/shrub species planted within the re/afforestation areas, should be randomly distributed throughout the proposed re/afforestation area, so as to promote a natural woodland structure. (See Planting Layout detail).
- In the event of species unavailability, a substitution may be made. Any substitution made requires written notification to MNCPPC, Environmental Planning Section.

INVASIVE SPECIES MANAGEMENT PLAN	
1. The invasive plant species in the table below were identified on the site within the Natural Regeneration Areas and these are considered likely to persist as the woodland conservation areas develop. Therefore, targeted control and eradication within these areas is recommended in order to avoid further establishment and invasion into other areas of the site.	
2. Invasive plant removal shall be completed according to the schedule below following approval of TCP2-024-02-04 and conform to the recommendations of Invasive Plant removal contained on this plan.	
Year 1 - Spring and Fall - Initial mechanical/chemical control Year 2 - Spring - Follow-up inspection and treatment Year 3 - Spring - Follow-up inspection and treatment, as needed Year 4 - Spring - Follow-up inspection and treatment, as needed Year 5 - Spring - Follow-up inspection and treatment, as needed	
3. The removal of noxious, invasive, and non-native plant species shall be done with the use of hand-held equipment only, such as pruners, shovels, or a chainsaw. These plants may be cut near the ground and the material less than two inches in diameter may be removed from the area and disposed of appropriately. All material from these noxious, invasive, and non-native plants greater than two inches in diameter shall be cut to allow contact with the ground, thus encouraging decomposition.	
4. The use of broadcast spraying of herbicides is not permitted. However, the use of herbicides to discourage re-sprouting of invasive, noxious, or non-native plants is permitted if done as an application of the chemical directly to the stump or stem immediately following cutting of the plant type. The use of any herbicide shall be done in accordance with the label instructions and by or under the guidance of a State of Maryland licensed Pesticide Applicator.	
5. Additional control methods as provided below can be used separately or in combination with one another. Chemical treatments include pre-emergent, foliar, and systemic herbicides, and should be applied by a State of Maryland licensed Pesticide Applicator. Care should be taken to apply chemical treatments in accordance with the specific chemical instructions and to avoid non-target species. Glyphosate and triclopyr are typical systemic herbicides that can also be used for foliar application, and surfen is a typical pre-emergent herbicide.	

Identified Invasive Species and Control Methods	
Common Name	Scientific Name
Bradford Pear	<i>Pyrus calleryana</i>
Multiflora Rose	<i>Rosa multiflora</i>
Asian Bittersweet	<i>Celastrus oviculatus</i>
Japanese Honeyuckle	<i>Lonicera japonica</i>
Japanese Barberry	<i>Berberis thunbergii</i>
Japanese Kistleria	<i>Kistleria floribunda</i>
Japanese Stiltgrass	<i>Microstegium vimineum</i>

1. Remove visible all limbs shown above and place seedling at correct depth to upright position
2. Remove visible and place seedling at correct depth
3. Remove visible and place seedling at correct depth
4. Pull handle of dibble down to bottom of hole
5. Place handle of dibble 2 inches from seedling
6. Insert dibble 2 inches from seedling
7. Pull down handle by stamped wire heel
8. Pull soil around seedling 10-15 feet
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From: Beaumonte, J.C., Reashoff, B., Satterly, and J. Zwickler. 2002. Plant Invasives of Mid-Atlantic Natural Areas. National Park Service and U.S. Fish and Wildlife Service. Nash, DC.

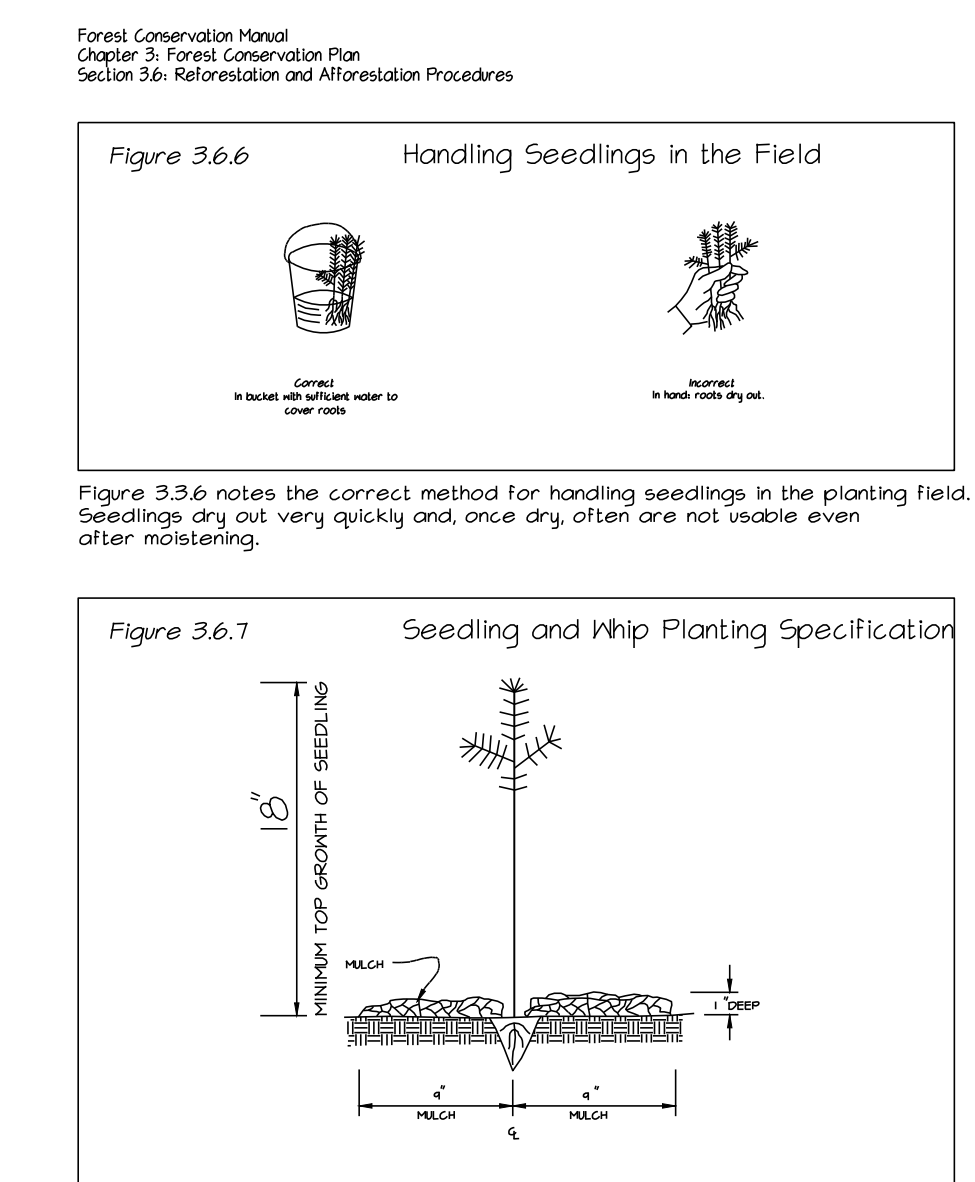
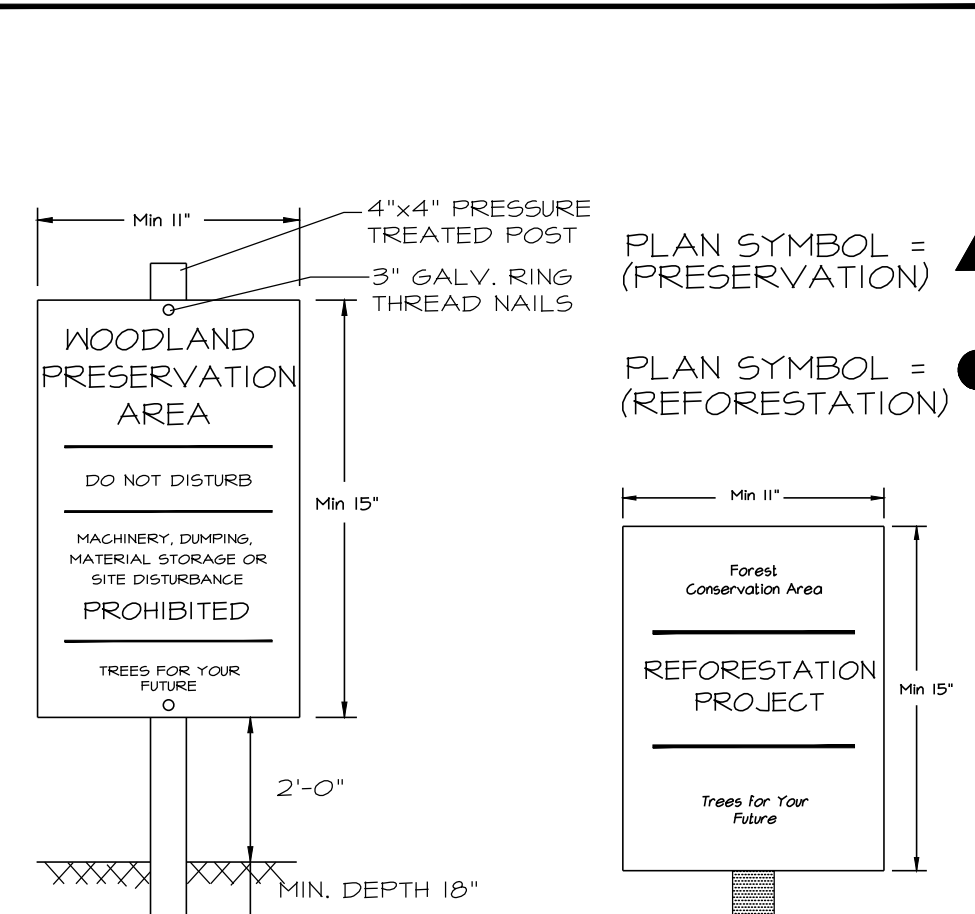


Figure 3.6.6 notes the correct method for handling seedlings in the planting field. Seedlings are cut very quickly and once dry, they are not mobile even after mistletoe.



Notes:
1. Signs should be properly maintained and replaced as needed.
2. Signs should be placed in the field prior to construction.
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SIGNAGE

NOT TO SCALE

TREE PROTECTION FENCING - TYPE I

NOT TO SCALE

