



QUALIFIED PROFESSIONAL CERTIFICATION

This plan complies with the current requirements of Subtitle 25 and the Woodland and Wildlife Conservation Technical Manual and the current requirements of the Prince George's County Code and the Environmental Technical Manual.

Signed: Robert C. Boyd, PLA Date: 08/08/2019
robert.boyd@abconsultantsinc.com
240-582-8033

PROPERTY OWNERS AWARENESS CERTIFICATE

We, PG County DPWT, 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.

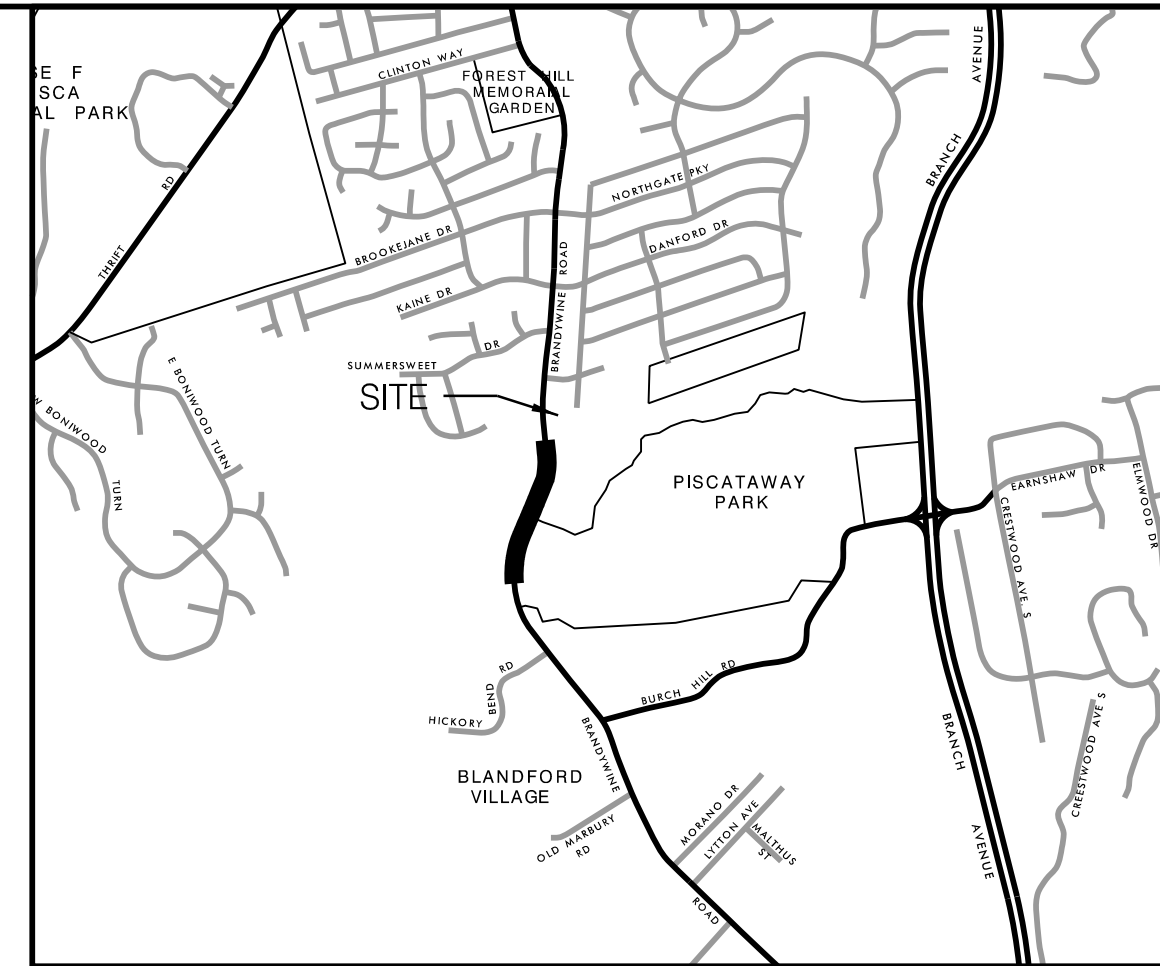
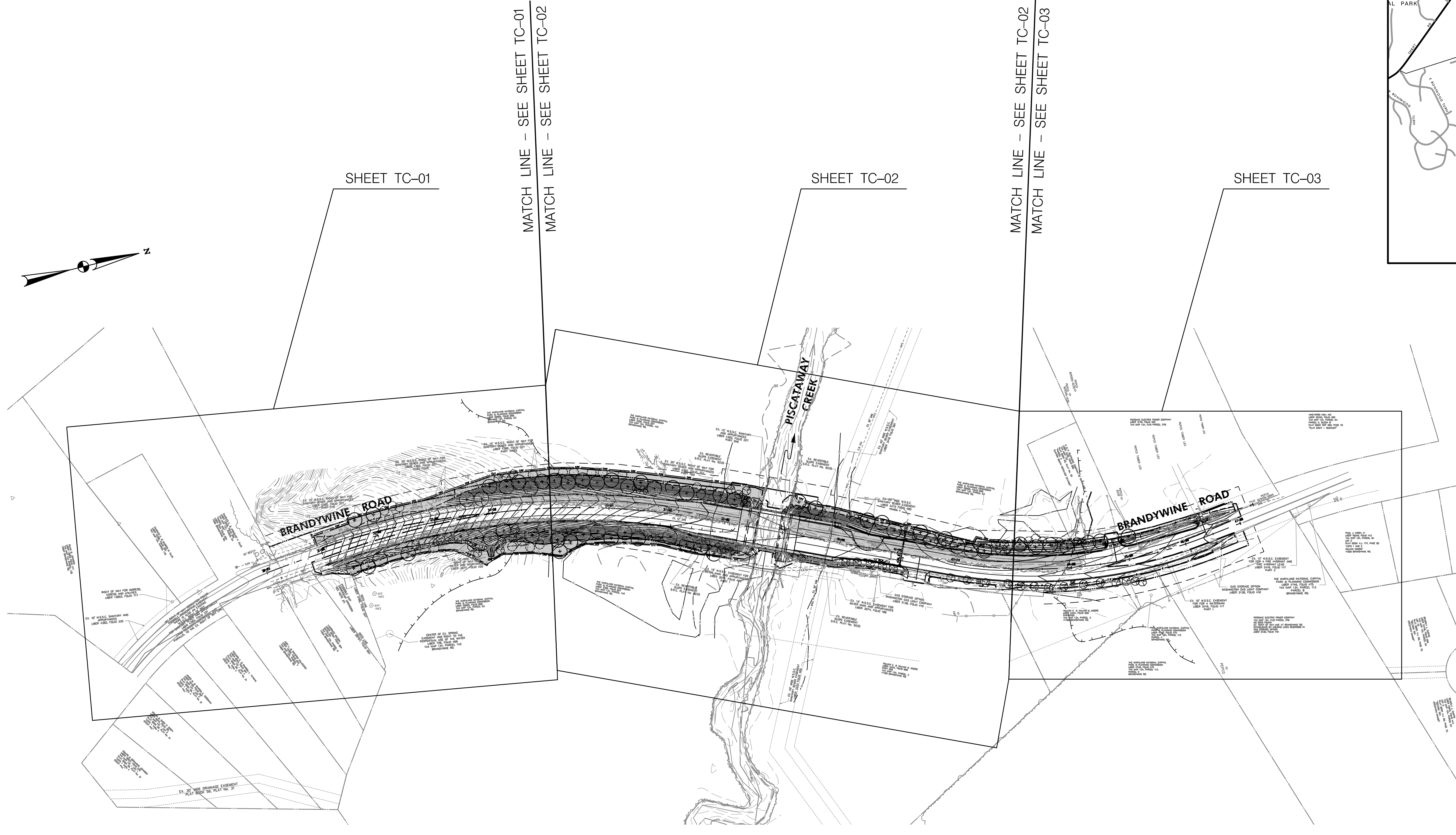
Signed: _____ Date: _____
Owner or Owner's Representative

PLANT SCHEDULE - MASTER LIST FOR ALL FACILITIES (LD-1 THROUGH LD-3)							
KEY	QTY	BOTANICAL NAME	COMMON NAME	NATIVE	SIZE	ROOT	REMARKS
SHADE TREE							
AR	19	Acer rubrum	Red Maple	Yes	2 1/2" Cal.	B&B	AS SHOWN
LS	16	Liquidambar styraciflua	Sweetgum	Yes	2 1/2" Cal.	B&B	AS SHOWN
POC	11	Platanus occidentalis	Sycamore	Yes	2 1/2" Cal.	B&B	AS SHOWN
QS	15	Quercus shumardii	Shumard Oak	Yes	2 1/2" Cal.	B&B	AS SHOWN
ORNAMENTAL TREE							
AML	35	Amelanchier laevis	Allegheny Serviceberry	Yes	1 1/2'-2 Cal.	B&B or CG	AS SHOWN
CCA	7	Cercis canadensis	Eastern Redbud	Yes	6' Ht.	B&B or CG	AS SHOWN
EVERGREEN TREE							
IO	13	Ilex opaca	American Holly	Yes	6' Ht.	B&B or CG	AS SHOWN
JV	8	Juniperus virginiana	Eastern Redcedar	Yes		B&B or CG	AS SHOWN
SHRUB							
CLA	3	Clethra alnifolia	Coastal Sweetpepperbush	Yes	24" Ht.	#5 CG	AS SHOWN
FSU	17	Forsythia suspensa	Weeping Forsythia	No	24" Ht.	#5 CG	AS SHOWN
IG	10	Ilex glabra	Inkberry	Yes	24" Ht.	#5 CG	AS SHOWN
IVSGM	7	Ilex verticillata 'Southern Gentlemen' (Male)	Southern Gentlemen Winterberry	Yes	24" Ht.	#5 CG	AS SHOWN
IVWRF	34	Ilex verticillata 'Winter Red' (Female)	Winter Red Winterberry	Yes	24" Ht.	#5 CG	AS SHOWN

BUFFERING SUMMARY				
SHEET #	PU-REQUIRED	PU's PROVIDED	SURPLUS PU's	DEFICIT PU's
TC-1	236	300	64	0
TC-2	196	531	335	0
TC-2A	212	45	0	167
TC-3	96	110	14	0
TC-3A	160	35	0	125
TOTAL:	900	1021	413	292
TOTAL PU SURPLUS:			121	

Prince George's County Planning Department, M-NCPPC Environmental Planning Section TYPE 2 TREE CONSERVATION PLAN APPROVAL TCP2 - 020 - 2019			
Approved by	Date	DRD #	Reason for Revision
00 <u>Kim A. Finch</u>	9/23/2019		N/A
01			
02			
03			
04			
05			

KEY MAP

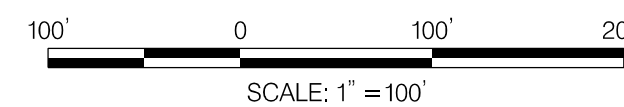


VICINITY MAP

PG CO. STREET MAP: 5882 | GRID: G4
WSSC GRID: 215SE06

TC-01	TC-02	TC-03	TOTAL
SHADE TREE			
13	6		19
6	10		16
	11		11
	8	7	15
ORNAMENTAL TREE			
5	18	12	35
7			7
EVERGREEN TREE			
8	5		13
2	3	3	8
SHADE			
	3		3
	17		17
	10		10
	4		4
	17		17
TOTAL			175

9/23/2019



REVISIONS		SCALE: AS SHOWN	DWG. 93 OF 118
APPROVED _____		FOR TERRY BELLAMY, DIRECTOR	DATE _____
DESIGNED: MT/SZ		CONTRACT NO. 935-H(E)	
DRAWN: MT		ROAD NO.	JOB NO.
CHECKED: MA			
APPROVED: _____		FILE NO.	
ERV T. BECKERT, P.E., CHIEF, HIGHWAY & BRIDGE DESIGN DIVISION			

Sample Schedule 4.6-2			
Buffering Development from Special Roadways			
SHEET TC-03 – Schedule A			
1.) Name of special roadway:	BRANDYWINE ROAD		
2.) Type of special roadway:	County Scenic Byway and Historic Road and State Designed Scenic Byway		
3.) General Plan designation:	Developed Tier		
	X Developing Tier		
	Rural Tier		
4.) Linear feet of street frontage, not including driveway entrances:	180 feet		
5.) Minimum width of required buffer:	20 feet		
6.) Minimum width of provided buffer:	43 feet		
7.) Percentage of required buffer occupied by existing trees:	43 %		
8.) Invasive species in the buffer areas?	yes X no		
9.) Number of plants required:	70 7 shade trees		
80 PU required per 100 LF	30 6 evergreen trees		
120 LF	100 shrubs		
1.2 x 80 = 96 PU Required			
10.) Total number of plants provided:	70 7 shade trees		
	25 5 evergreen trees		
	15 shrubs		
	110 3 ornamentals		

WEST – Excluding Overhead Utility Lines			
BUFFER O	Ex Forest	120 LF 100% or	2,400 SF
BUFFER P	Non-Forest	60 LF 0% or	0.00 SF
EAST – Excluding Overhead Utility Lines			
BUFFER Q	Non-Forest	60 LF 0% or	0.00 SF
TOTAL		240	2,400 SF
	Required (240x20)	4,800 SF	
	Existing	2,400 SF	
	Deficit	2,400 SF	
		or 120 LF	

SURPLUS (110 - 96) = 14 PU

Sample Schedule 4.6-2			
Buffering Development from Special Roadways			
SHEET TC-03 – Schedule B			
1.) Name of special roadway:	BRANDYWINE ROAD		
2.) Type of special roadway:	County Scenic Byway and Historic Road and State Designed Scenic Byway		
3.) General Plan designation:	Developed Tier		
Existing property consists of Automotive Salvage Facility – Non-Conforming Use in R-R Zone	X Developing Tier		
	Rural Tier		
4.) Linear feet of street frontage, not including driveway entrances:	200 feet		
5.) Minimum width of required buffer:	20 feet		
6.) Minimum width of provided buffer:	0 feet		
7.) Percentage of required buffer occupied by existing trees:	0 %		
8.) Invasive species in the buffer areas?	yes X no		
9.) Number of plants required:	160 16 shade trees		
80 PU required per 100 LF			
200 LF			
2.00 x 80 = 160 PU Required			
10.) Total number of plants provided:	shade trees		
	evergreen trees		
	shrubs		
	35 7 ornamentals		

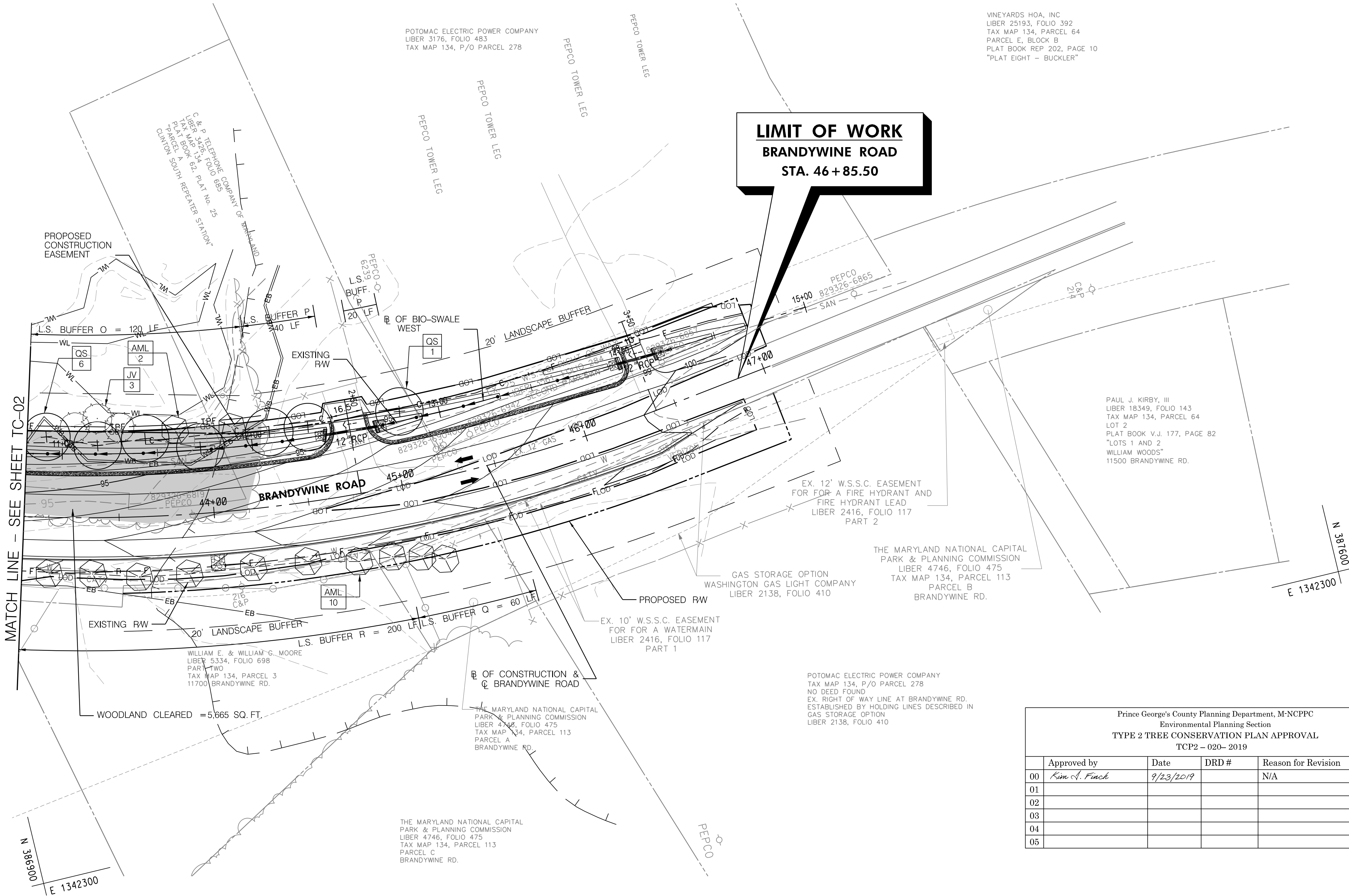
DEFICIT (35 - 160) = 125 PU

LEGEND:

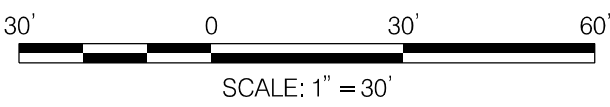
	EXISTING WOODLANDS
	SPECIMEN TREE TO BE REMOVED
	WOODLAND CLEARED
	TEMPORARY TREE PROTECTION FENCE
	LIMIT OF DISTURBANCE
	WETLAND
	WETLAND BUFFER
	EXTENDED WETLAND BUFFER
	STREAM BUFFER
	100YR FLOODPLAIN
	SHADE TREE
	EVERGREEN TREE
	ORNAMENTAL TREE
	PLANT LABEL

PLANT SCHEDULE - TC-03							
KEY	QTY	BOTANICAL NAME	COMMON NAME	NATIVE	SIZE	ROOT	REMARKS
SHADE TREE							
QS	7	Quercus shumardii	Shumard Oak	Yes	2 1/2" Cal.	B&B	As shown
ORNAMENTAL TREE							
AML	12	Amelanchier laevis	Allegheny Serviceberry	Yes	1 1/2'-2' Cal.	B&B or CG	As shown
EVERGREEN TREE							
JV	3	Juniperus virginiana	Eastern Redcedar	Yes		B&B or CG	As shown
SHRUB							
-	-			-	-	-	-
TOTAL	22						

SHEET SUMMARY TABLE	
TREE CONSERVATION CATEGORY	QUANTITY
Tree Protection Fence	124 Lf
Woodland Cleared	5,665 Sqft 0.13 Ac
Specimen Trees Removed	0



QUALIFIED PROFESSIONAL CERTIFICATION
This plan complies with the current requirements of Subtitle 25 and the Woodland and Wildlife Conservation Technical Manual and the current requirements of the Prince George's County Code and the Environmental Technical Manual.
Signed: *Robert C. Boyd* Date: 08/08/2019
Robert C. Boyd, PLA
robert.boyd@abcconsultantsinc.com
240-582-8033



AB CONSULTANTS, INC.
1802 ANNAPOLIS ROAD ANNAPOLIS, MARYLAND 20706
PHONE: 410.268.3881 FAX: 410.268.3882
www.abcconsultantsinc.com

**Engineers, Architects
Development Consultants**
1825 Sandy Grove Road, Rockville, MD 20850
Phone: 301-580-3839 Fax: 301-948-7174
www.sheladia.com

REVISIONS		SCALE: AS SHOWN		DWG. 96 OF 118	
APPROVED		FOR TERRY BELLAMY, DIRECTOR		DATE	
DESIGNED: MT/SZ		CONTRACT NO.		935-H(1)	
DRAWN: MT		ROAD NO.		JOB NO.	
CHECKED: MA		FILE NO.			
APPROVED:		DATE			
ERV T. BECKERT, P.E., CHIEF, HIGHWAY & BRIDGE DESIGN DIVISION					

Prince George's County Planning Department, M-NCPPC Environmental Planning Section TYPE 2 TREE CONSERVATION PLAN APPROVAL TCP2 – 020– 2019				
Approved by	Date	DRD #	Reason for Revision	
00 Kim A. Finch	9/23/2019		N/A	
01				
02				
03				
04				
05				

DEPARTMENT OF PUBLIC WORKS
AND TRANSPORTATION
PRINCE GEORGE'S COUNTY, MARYLAND
REPLACEMENT OF BRIDGE NO. P-0495
BRANDYWINE ROAD OVER PISCATAWAY CREEK

TC-03

TYPE 2 TREE CONSERVATION PLAN NOTES

GENERAL NOTES

1. THIS PLAN IS SUBMITTED TO FULFILL THE WOODLAND CONSERVATION REQUIREMENTS FOR A GRADING PERMIT.
2. 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 \$9.00 PER SQUARE FOOT MITIGATION FEE.
3. A PRE-CONSTRUCTION MEETING IS REQUIRED PRIOR TO THE ISSUANCE OF GRADING PERMITS. THE DEPARTMENT OF PERMITTING, INSPECTIONS AND ENFORCEMENT (DPIE) SHALL BE CONTACTED PRIOR TO THE START OF ANY WORK ON THE SITE TO CONDUCT A PRE-CONSTRUCTION MEETING WHERE IMPLEMENTATION OF WOODLAND CONSERVATION MEASURES SHOWN ON THIS PLAN WILL BE DISCUSSED IN DETAIL.
4. THE SITE IS ADJACENT TO A ROADWAY DESIGNATED AS SCENIC, HISTORIC, AND A SCENIC BYWAY (JOHN WILKES BOOTH ROUTE SCENIC BYWAY).
5. THE SITE IS NOT ADJACENT TO A ROADWAY CLASSIFIED AS ARTERIAL OR GREATER.
6. THIS PLAN IS NOT GRANDFATHERED UNDER CB-27-2010, SECTION 25-117(g).
7. THE CONTRACTOR SHALL INSTALL TREE PROTECTION FENCE AND CLEARLY MARK WITH SPRAY PAINT ALL SPECIMEN TREES PLANNED FOR REMOVAL AS INDICATED ON THE TREE CONSERVATION PLANS. THE CONTRACTOR SHALL REVIEW ALL TREE PROTECTION FENCING AND TREES MARKED FOR REMOVAL WITH A REPRESENTATIVE OF DEPARTMENT OF PERMITTING, INSPECTIONS AND ENFORCEMENT (DPIE). PRIOR TO THE COMMENCEMENT OF CLEARING OPERATIONS.
8. REMOVE TREES WITHIN THE LIMITS OF DISTURBANCE AS INDICATED IN THE PLANS OR AS DIRECTED IN THE FIELD BY THE ENGINEER. ALL TREE- RELATED ACTIVITIES SHALL BE PERFORMED BY OR UNDER THE SUPERVISION OF A TREE EXPERT LICENSED BY STATE OF MARYLAND.
9. INSTALL ALL EROSION AND SEDIMENT CONTROLS.
- 10.ANY TREE REMOVAL BEYOND THE LIMIT OF DISTURBANCE MUST BE APPROVED BY DEPARTMENT OF PERMITTING, INSPECTIONS AND ENFORCEMENT (DPIE).

SEQUENCE OF CONSTRUCTION

1. THE GENERAL CONTRACTOR SHALL TAKE MEASURES TO PROTECT TREE ROOTS SYSTEMS OUTSIDE OF THE LOD DURING CONSTRUCTION INCLUDING PROTECTION FROM SMOTHERING, FLOODING, STORAGE OF MATERIAL, EXCESSIVE WETTING, SPILLING AND DRAINING OF SOLUTIONS WHICH COULD BE HAZARDOUS TO TREE ROOTS. AREAS OUTSIDE OF LOD SHOULD NOT BE USED FOR MATERIAL STORAGE WITHOUT PRIOR APPROVAL FROM DEPARTMENT OF PUBLIC WORKS.
2. REMOVAL OF VEGETATION, TOPSOIL OR ROOT MAT OUTSIDE OF THE LOD IS PROHIBITED.
3. DURING THE CONSTRUCTION PROCESS, IF CONSTRUCTION ACTIVITIES BECOME NECESSARY OUTSIDE THE LIMIT OF DISTURBANCE, THE CONTRACTOR SHALL OBTAIN PERMISSION FROM THE PRINCE GEORGE’S COUNTY DEPARTMENT OF PUBLIC WORKS AND THE MARYLAND NATIONAL CAPITAL PARKS AND PLANNING COMMISSION – PRINCE GEORGE’S COUNTY.

WOODLAND CONSERVATION AREA MANAGEMENT NOTES

TREE PRESERVATION AND RETENTION NOTES

1. 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 UNDESTROY 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.
2. TREE AND WOODLAND CONSERVATION METHODS SUCH AS ROOT PRUNING SHALL BE CONDUCTED AS NOTED ON THIS PLAN.
3. THE LOCATION OF ALL TEMPORARY TREE PROTECTION FENCING (TPF’S) SHOWN ON THIS PLAN SHALL BE FLAGGED OR STAKED IN THE FIELD PRIOR TO PRE-CONSTRUCTION MEETING. UPON APPROVAL OF THE LOCATIONS BY THE COUNTY INSPECTOR, INSTALLATION OF THE TPF’S MAY BEGIN.
4. ALL TEMPORARY TREE PROTECTION FENCING REQUIRED BY THIS PLAN SHALL BE INSTALLED PRIOR TO COMMENCEMENT OF CLEARING AND GRADING OF THE SITE AND SHALL REMAIN IN PLACE UNTILL THE BOND IS RELEASED FOR THE PROJECT. FAILURE TO INSTALL AND MAINTAIN TEMPORARY OR PERMANENT TREE PROTECTIVE DEVICES IS A VIOLATION OF THIS TCP2.
5. WOODLAND PRESERVATION AREAS SHALL BE POSTED WITH SIGNAGE AS SHOWN ON THE PLANS AT THE SAME TIME AS THE TEMPORARY TPF INSTALLATION.

REMOVAL OF HAZARDOUS TREES OR HAZARDOUS LIMBS BY DEVELOPERS OR BUILDERS

1. THE DEVELOPER AND/OR BUILDER IS RESPONSIBLE FOR THE COMPLETE PRESERVATION OF ALL FORESTED AREAS SHOWN ON THE APPROVED PLAN TO REMAIN UNDISTURBED. ONLY TREES OR PARTS THEREOF DESIGNATED BY THE COUNTY AS DEAD, DYING OR HAZARDOUS MAY BE REMOVED.
2. 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 TREE HAS POTENTIAL TO FALL AND STRIKE A STRUCTURE, PARKING AREA, OR OTHER HIGH USE AREA AND RESULT IN PERSONAL INJURY OR PROPERTY DAMAGE.
3. 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 PERMITEE SHALL REMOVE SAID TREES USING A CHAIN SAW. CORRECTIVE MEASURES REQUIRING THE REMOVAL OF THE HAZARDOUS TREES OR PORTIONS THEREOF SHALL REQUIRE AUTHORIZATION BY THE COUNTY INSPECTOR. ONLY AFTER APPROVAL OF THE INSPECTOR MAY THE TREE BE CUT BY CHAINSAW TO NEAR THE EXISTING GROUND LEVEL. THE STUMP SHALL NOT BE REMOVED OR COVERED WITH SOIL, MULCH OR OTHER MATERIALS THAT WOULD INHIBIT SPROUTING.
4. IF A TREE OR TREES BECOME HAZARDOUS PRIOR TO BOND RELEASE FOR THE PROJECT, DUE TO STORM EVENTS OR OTHER SITUATIONS NOT RESULTING FROM AN ACTION BY THE PERMITEE, PRIOR TO REMOVAL, A CERTIFIED ARBORIST OR A LICENSED TREE EXPERT MUST CERTIFY THAT THE TREE OR 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 PERMITEE 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.

IF CORRECTIVE PRUNING MAY ALLEVIATE A HAZARDOUS CONDITION, THE CERTIFIED ARBORIST OR A LICENSED TREE EXPERT MAY PROCEED WITHOUT FURTHER AUTHORIZATION. THE PRUNING MUST BE DONE IN ACCORDANCE WITH THE LATEST EDITION OF THE APPROPRIATE ANSI A-300 PRUNING STANDARDS. 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.

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 THAT 35 FEET FROM THE WOODLAND EDGE SHALL BE CUT UP TO ALLOW CONTACT WITH THE GROUND, THUS ENCOURAGING DECOMPOSITION. THE SMALLER MATERIALS SHALL BE PLACED INTO THE BRUSH PILES THAT 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.
5. DEBRIS PILES SHOWN IN WOODLAND PRESERVATION AREAS SHALL BE REMOVED BY HAND WITHOUT THE USE OF MECHANICAL EQUIPMENT WITHIN THE PRESERVATION AREA. CHAINS MAY BE USED TO PULL DEBRIS OUT OF THE PRESERVATION AREAS. CAUTION MUST BE USED NOT TO DAMAGE REMAINING VEGETATION.

WHEN OFF-SITE WOODLAND CONSERVATION IS PROPOSED:

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.

POST DEVELOPMENT NOTES

WHEN WOODLANDS AND/OR SPECIMEN, HISTORIC OR CHAMPION TRESS ARE TO REMAIN

1. 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.
2. 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 AS AN APPLICATION OF THE CHEMICAL DIRECTLY TO THE CUT STUMP IMMEDIATELY FOLLOWING CUTTING OF PLANT TOPS. THE USE OF ANY HERBICIDE SHALL BE DONE IN ACCORDANCE WITH THE LABEL INSTRUCTIONS.
3. 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.

When off-site woodland conservation is proposed:

1. Prior to the issuance of grading permits for the development shown on this TCP2, all off site woodland conservation required by this plan shall be identified on an approved Off-site Woodland Conservation Bank, and Woodland Conservation Transfer Credits shall be recorded in the land records of Prince George’s County for the off-site area require. A record of the site Woodland Conservation Transfer Credit form shall be provided to the M-NCPPC, Planning Department prior to issuance of any permit for the associated plan and included in the permit package.
2. In accordance with Subtitle 25, Division 2, Sec. 25-122. Methods for Meeting the Woodland and Wildlife Conservation Requirements, if off-site woodland conservation is approved to meet the requirements, then the following locations shall be considered in the order listed: within the same eight-digit sub-watershed, within the same watershed, within the same river basin, within the same growth policy tier, or within Prince George’s County. Applicants shall demonstrate to the Planning Director or designee due diligence in seeking out opportunities for off-site woodland conservation locations following these priorities. All woodland conservation is required to be met within Prince George’s County.

QUALIFIED PROFESSIONAL CERTIFICATION

This plan complies with the current requirements of Subtitle 25 and the Woodland and Wildlife Conservation Technical Manual and the current requirements of the Prince George’s County Code and the Environmental Technical Manual.

Signed: 

Date: 08/08/2019

Robert C. Boyd, PLA

robert.boyd@abconsultantsinc.com

240-582-8033



Prince George's County Planning Department, M-NCPPC Environmental Planning Section TYPE 2 TREE CONSERVATION PLAN APPROVAL TCP2 – 020 –2019				
	Approved by	Date	DRD #	Reason for Revision
00	<i>Kim A. Finch</i>	<i>9/23/2019</i>		N/A
01				
02				
03				
04				
05				

NAME:

BUSINESS NAME:

ADDRESS:

PHONE NUMBER:

MR. JASHWANTKUMAR D. SHAH

PRINCE GEORGE’S COUNTY DPW&T

9400 PEPPER CORN PLACE, SUITE 400,

LARGO, MD 20774

301-883-5642

TC-04

DEPARTMENT OF PUBLIC WORKS
AND TRANSPORTATION

PRINCE GEORGE’S COUNTY, MARYLAND

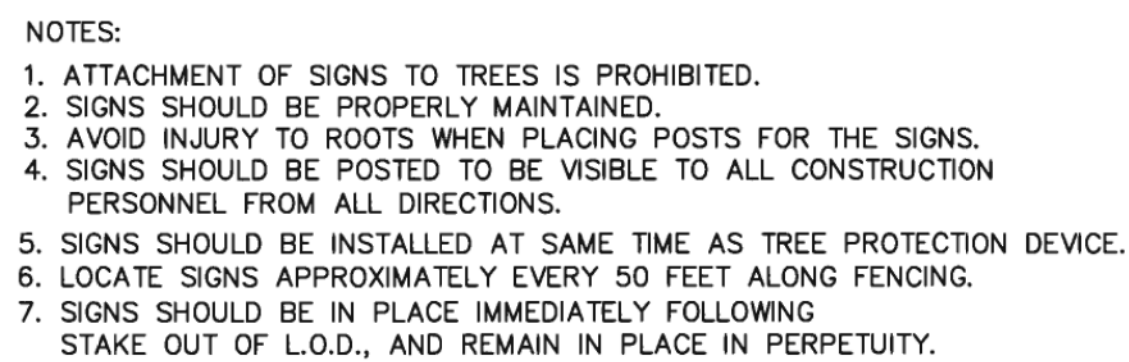
REPLACEMENT OF BRIDGE NO. P-0495
BRANDYWINE ROAD OVER PISCATAWAY CREEK

TREE CONSERVATION PLAN

AB CONSULTANTS, INC.
1810 ANNEPUZZ ROAD LARGO, MARYLAND 20750
PHONE: 202-308-1000 FAX: 202-308-1002
WWW.ABCONSULTANTSINC.COM

Engineers, Architects
Development Consultants
1825 Sandy Grove Road, Rockville, MD 20850
Phone: 301-580-3839 Fax:301-948-7174
WWW.SHELADIA.COM

REVISIONS		SCALE: AS SHOWN		DWG. 97 OF 118	
APPROVED		FOR TERRY BELLAMY, DIRECTOR		DATE	
DESIGNED: MT/SZ		DRAWN: MT		CHECKED: MA	
APPROVED:		ERV T. BECKERY, P.E., CHIEF, HIGHWAY & BRIDGE DESIGN DIVISION		DATE	
				CONTRACT NO. 935-H(1)	
				ROAD NO.	
				JOB NO.	
				FILE NO.	



NOTES:

1. ATTACHMENT OF SIGNS TO TREES IS PROHIBITED.
2. SIGNS SHOULD BE PROPERLY MAINTAINED.
3. AVOID INJURY TO ROOTS WHEN PLACING POSTS FOR THE SIGNS.
4. SIGNS SHOULD BE POSTED TO BE VISIBLE TO ALL CONSTRUCTION PERSONNEL FROM ALL DIRECTIONS.
5. SIGNS SHOULD BE INSTALLED AT SAME TIME AS TREE PROTECTION DEVEIC.
6. LOCATE SIGNS APPROXIMATELY EVERY 50 FEET ALONG FENCING.
7. SIGNS SHOULD BE IN PLACE IMMEDIATELY FOLLOWING STAKE OUT OF L.O.D., AND REMAIN IN PLACE IN PERPETUITY.

- NOTES:
1. SILT FENCE TO BE HEELED INTO SOIL.
2. WIRE, SNOW FENCE, ETC. FOR TREE PROTECTION ONLY.
3. BOUNDARIES OF RETENTION AREA WILL BE ESTABLISHED AS PART OF THE TREE CONSERVATION PLAN REVIEW PROCESS.
4. BOUNDARIES OF RETENTION AREA SHOULD BE STAKED AND FLAGGED PRIOR TO INSTALLING DEVICE.
5. AVOID ROOT DAMAGE WHEN PLACING ANCHOR POSTS.
6. DEVICE SHOULD BE PROPERLY MAINTAINED THROUGHOUT CONSTRUCTION.
7. PROTECTION SIGNS ARE ALSO REQUIRED.
8. LOCATE FENCE OUTSIDE THE CRITICAL ROOT ZONE.

Maximum 2" mulch, as specified, 2" clear of trunk

2" minimum soil berm

No. 4 steel reinforcing bars (36" long) driven through root ball into subsoil for theft deterrence.

Pit size is equal to 2-3 times tree ball width

Final grade and saucer (Do not form mound around trunk.)

Finished grade

Approved organic soil amended backfill mix per MSHA Specification 710.03.02 and 710.03.03

Compacted mound

Ball

Detail

STD.
600.06

The diagram illustrates the installation of a tree pit, showing various components and dimensions. The main components include:

- Tree Ball:** The central part of the tree, labeled "Tree ball".
- Shade Tree:** A large tree shown above the pit, labeled "Shade tree".
- Ornamental Tree:** A smaller tree shown below the shade tree, labeled "Ornamental tree".
- Pit Dimensions:**
 - Width:** 30" min.
 - Depth:** 3' min.
 - Backslope:** Maximum 2:1 backslope.
 - Final grade and saucer:** (Do not form mound around trunk.)
 - Approved organic soil amended backfill mix per MSHA Specification 710.03.02 and 710.03.03**
- Installation Details:**
 - Double strand 12 gage twisted wire with 1/2" dia. reinforced rubber hose or PVC chainlock**
 - Hose Distance varies**
 - Notch to hold tie in place**
 - Lifting Straps**
 - Zipper**
 - Maximum 2" mulch, as specified**
 - Soil shoulder, seeded**
 - Rural roadway paving section and shoulder**
 - Blend into existing/proposed grade**
- Labels:**
 - "3"
 - "30" min."
 - "9" min."
 - "Detail"
 - "3'
 - "2' min."
 - "1' min."
 - "R/O/L Line"
 - "2'-10"
 - "Maximum 2:1 backslope"
 - "Final grade and saucer (Do not form mound around trunk.)"
 - "Approved organic soil amended backfill mix per MSHA Specification 710.03.02 and 710.03.03"
 - "Shade tree"
 - "Ornamental tree"
 - "Tree ball"
 - "Double strand 12 gage twisted wire with 1/2" dia. reinforced rubber hose or PVC chainlock"
 - "Hose Distance varies"
 - "Notch to hold tie in place"
 - "Lifting Straps"
 - "Zipper"
 - "Maximum 2" mulch, as specified"
 - "Soil shoulder, seeded"
 - "Rural roadway paving section and shoulder"
 - "Blend into existing/proposed grade"

Tree caliper is typically measured 6" above tree ball.

Never cut leader

Thin foliage as necessary to retain natural tree shape.

1/2" dia. reinforced rubber hose

Double #12 galvanized steel wires, twisted to tighten (min. 3 per tree)

Maximum 2" mulch (Do not form mound)

Untie and remove top 1/3 of burlap around root ball.

3" deep earth saucer

Finish grade

Wood guying stake driven into ground (3 per tree at 120°)

Approved organic soil amended backfill per MS1A Specification 710.03.02 and 710.03.03

Subsoil

6" Setting mound (Well-compacted backfill or undisturbed existing natural soil)

Pit size is equal to 2-3 times tree ball width

1' min.

REVISIONS	SCALE: AS SHOWN		DWG. 98 OF 118	
	APPROVED			
	FOR TERRY BELLAMY, DIRECTOR		DATE	
	DESIGNED: MT/SZ	CONTRACT NO. 935-(HE)		
	DRAWN: MT			
	CHECKED: MA	ROAD NO.		JOB NO.
	APPROVED:	FILE NO.		
	CHIEF, HIGHWAY & BRIDGE DESIGN DIVISION			
	ERV T. BECKERT, P.E.	DATE		