

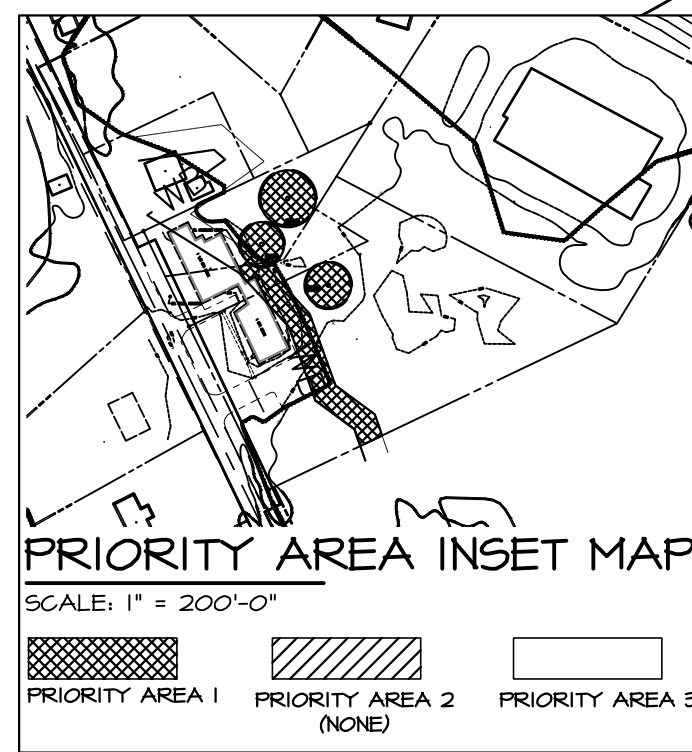
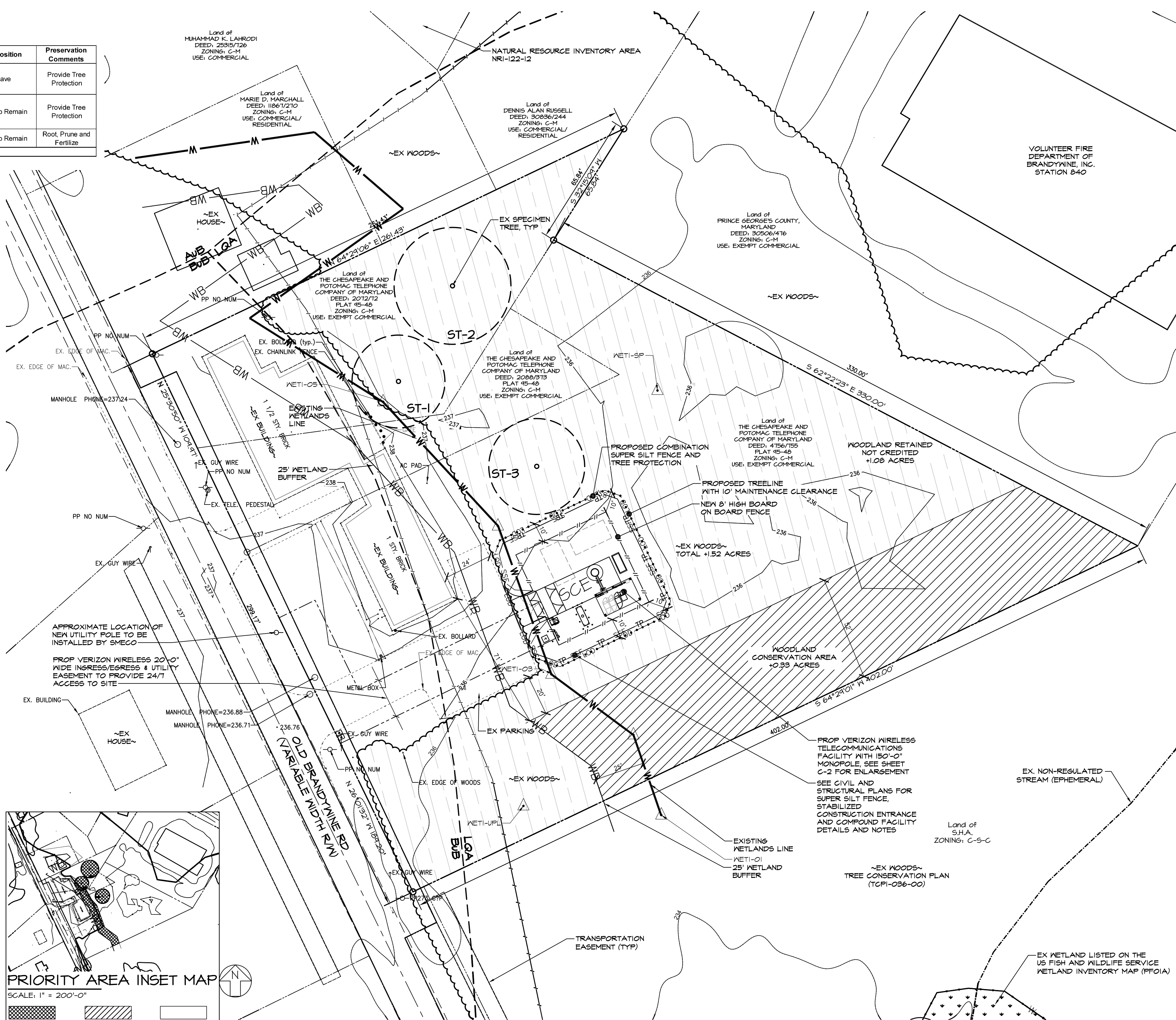
**SPECIMEN TREES:**

Number	Common Name	Scientific Name	DBH (Inches)	Condition Rating	Condition Comments	Disposition	Preservation Comments
1	White Oak	Quercus alba	31	Fair (70)	Somewhat Atypical form, with Poison Ivy on the Trunk	Save	Provide Tree Protection
2	White Oak	Quercus alba	39	Fair (78)	Some minor exposed roots, with Poison Ivy on the Trunk	Tree To Remain	Provide Tree Protection
3	White Oak	Quercus alba	32	Good (85)		Tree To Remain	Root, Prune and Fertilize

Note: All specimen, champion, and historic trees within 100 feet of the LOD have been survey located.

**SITE NOTES:**

1. APPLICANT:  
VERIZON WIRELESS  
1600 MONTELLER ROAD, FLOOR 2 SOUTH-NETWORK  
LAUREL, MD 20723  
TEL: (301) 512-2000  
FAX: (301) 512-2106
- APPLICANT'S ATTORNEY:  
M.S. DIAMOND  
LAW OFFICES OF M. GREGG DIAMOND, P.C.  
1700 WOODMONT AVENUE, SUITE 402  
BETHESDA, MARYLAND 20814-5314  
(240) 346-5314
2. PROPERTY OWNER:  
C & P TEL CO OF MARYLAND  
ASST MANAGER STATE & LOCAL TAXES  
1 E PRATT STREET, ROOM 820  
BALTIMORE, MARYLAND 21202-1126
3. SITE DATA:  
MAP: 145, GRID: A3, SUBDIVISION: 1060  
DEED BOOK 4756, PAGE 755  
PARCEL ID (TAX ACCOUNT #): 1147184  
TRACT AREA: 2.03 ACRES  
DISTRICT: II  
ZONING: C-M  
PLAT NUMBER: A-841615-48  
LIMIT OF DISTURBANCE: 4,941 SF / 0.11 AC  
PLANNING AREA: NUMBER 05A / SUBREGION 5  
MESC 200 SHEET: 2185E07  
ADDRESS: 1804 OLD BRANDYWINE ROAD  
BRANDYWINE, MARYLAND 20613  
EXISTING/ PROPOSED USE: EXEMPT COMMERCIAL/ TELECOMMUNICATIONS
4. HORIZONTAL AND VERTICAL CONTROL SHOWN HEREON IS BASED ON A GPS LATITUDE BY MORRIS & RITCHIE ASSOCIATES, INC. DATED SEPTEMBER 2015.  
LATITUDE: N38° 41' 54.44"  
LONGITUDE: W76° 52' 21.24"  
GROUND ELEVATION: 236' AMSL (AVG.)  
PROPOSED STRUCTURE HEIGHT: 150' ASL  
TOTAL ELEVATION (AMSL): 306' AMSL



**SOILS DATA:**

SYMBOL	NAME/DESCRIPTION	HYDRIC SOIL	HYDROLOGIC SOIL GROUP	K FACTOR	DRAINAGE CLASS
LQA	Lenni and Quindocqua soils, 0 to 2% slopes	YES (Rating: 80)	C/D	0.43	Poorly drained
BuB	Beltville-Urban land complex, 0 to 5% slopes	YES (Rating: 5)	C	0.37	Moderately well drained

**GENERAL INFORMATION:**

Table B-1. General Information Table	
Layer Name	Value
Zoning (Zone)	C-M (Commercial Miscellaneous)
Aviation Policy Area (APA)	N/A
Tax Grid (TMG)	145-A3
WSSC Grid (Sheet 20)	2185E07
Policy Analysis Zone (PAZ)	COG Analysis Zone: 271A, Planning Area Number: 85A
Planning Area (Plan Area)	Subregion Number: 5, Acres: 12909.033034
Election District (ED)	11
Councilmanic District (CD)	9
General Plan 2002 Tier (Tier)	Developing
Traffic Analysis Zone (COG) (TAZ-COG)	N/A
PG Traffic Analysis Zone (TAZ-PG)	2695

**NATURAL RESOURCES INVENTORY STATISTICS TABLE:**

Table B-2. Natural Resources Inventory Statistics Table	
Site Statistics	Total <sup>1</sup>
Gross tract area	2.03
Existing 100-year floodplain	0.00
Net tract area	2.03
Existing woodland in the floodplain	0.00
Existing woodland net tract	1.52
Existing woodland total	1.52
Existing PMA	0.00
Regulated streams (linear feet of centerline)	0.00
Riparian (wooded) buffer up to 300 feet wide <sup>2</sup>	0.00

<sup>1</sup> Figures are to be provided in acres rounded to the nearest 1/100th of an acre unless otherwise indicated.

<sup>2</sup> Acreage of onsite woodland up to 300 feet measured from the stream centerline or from the top of bank on both sides of all regulated streams

**LEGEND**

- LOD - LIMIT OF DISTURBANCE (LOD)
- EX. PROPERTY LINE
- EX. INTERNAL AND ADJACENT PROPERTY LINES
- EX. PAVING
- EX. SIDEWALK
- EX. OFF-SITE NON-REGULATED STREAM (FROM COUNTY GIS INFORMATION)
- EX. OFF-SITE WETLAND
- EX. NON-TIDAL WETLAND ON SITE
- EX. 25' WETLAND BUFFER
- EX. TREELINE
- EX. RIGHT OF WAY LINE
- EX. TRANSPORTATION EASEMENT (ON ADJACENT PROPERTY)
- EX. SOILS BOUNDARY
- W - WETLAND DATA SAMPLE POINT
- WB - WETLAND BUFFER
- LQA - Lenni and Quindocqua soils
- BuB - Beltville-Urban land complex
- EX. NON-REGULATED STREAM (EPHEMERAL)
- EX. METLAND LISTED ON THE US FISH AND WILDLIFE SERVICE METLAND INVENTORY MAP (PFOIA)
- EX. 2' CONTOUR
- EX. 10' CONTOUR
- EX. BUILDING
- EX. EDGE OF PAVING
- EX. SOILS BOUNDARY
- EX. SPECIMEN TREE WITH CRITICAL ROOT ZONE (1" DBH=1.5' CRZ)
- PR. TREE LINE
- PR. WOODLAND RETAINED NOT CREDITED
- PR. WOODLAND CONSERVATION AREA
- TP - PR. TREE PROTECTION FENCE (TEMPORARY)
- PR. VERIZON INGRESS/EGRESS & UTILITY EASEMENT LINE
- PR. SUPER SILT FENCE
- PR. FENCE

**QUALIFIED PROFESSIONAL CERTIFICATION**

THIS PLAN COMPLIES WITH THE CURRENT REQUIREMENTS OF SUBTITLE 28 AND THE WOODLAND AND WILDLIFE CONSERVATION TECHNICAL MANUAL. THIS COMPLIES WITH THE CURRENT REQUIREMENTS OF PRINCE GEORGES COUNTY CODE AND THE ENVIRONMENTAL TECHNICAL MANUAL.

SIGNED: *Nicole Reedy* DATE: 01-06-2017

MORRIS & RITCHIE ASSOCIATES, INC.  
1220-C EAST JOPPA ROAD, SUITE 505  
TOWSON, MD 21206  
PHONE: 410-821-1800  
FAX: 410-821-1748



**VICINITY MAP**  
SCALE: 1" = 2000'

**WOODLAND CONSERVATION WORKSHEET:**

**Standard Woodland Conservation Worksheet for Prince George's County**

Zone: C-M

Gross Tract: 2.03

Floodplain: 0.00

Previously Dedicated Land: 0.00

Net Tract (NTA): 2.03

TCP Number: Verizon Blue Star

Property Description or Subdivision Name: Verizon Blue Star

Is this site subject to the 1989 Ordinance? (Y/N): N

Is this one (1) single family lot? (Y/N): N

Are there prior TCP approvals which include a combination of this lot/s? (Y/N): N

Break-even Point (preservation) = 0.55 acres

Clearing permitted w/o reforestation = 0.97 acres

**SECTION II-Determining Requirements** (Enter acres for each corresponding column)

	Column A WCT/AFT %	Column B Net Tract	Column C Floodplain (1:1)	Column D Off-Site Impacts (1:1)
Existing Woodland		1.52	0.00	
Woodland Conservation Threshold (WCT) =	15.00%	0.30		
Smaller of 13 or 14		0.30		
Woodland above WCT		1.22		
Woodland cleared		0.11	0.00	0.00
Woodland cleared above WCT (smaller of 16 or 17)		0.11		
Clearing above WCT (0.25 - 1) replacement requirement		0.03		
Woodland cleared below WCT		0.00		
Clearing below WCT (2:1 replacement requirement)		0.00		
Afforestation Required	15.00%	0.00		
Off-site WCA being provided on this property		0.00		
Woodland Conservation Required		0.33		

**SECTION III-Meeting the Requirements** (Enter acres for each corresponding column)

Woodland Preservation	0.33		
Afforestation / Reforestation	0.00	Bond amount: \$	-
Natural Regeneration	0.00		
Landscape Credits	0.00		
Specimen/Historic Tree Credit (CRZ area * 2.0)	0.00		
Forest Enhancement Credit (Area * .25)	0.00		
Street Tree Credit (Existing or 10-year canopy coverage)	0.00		
Area approved for fee-in-lieu/PFA	0.00	Fee amount:	\$0.00
Area approved for fee-in-lieu/non-PFA	0.00	Fee amount:	\$0.00
Off-site Woodland Conservation Credits Required	0.00		
Off-site WCA (preservation) being provided on this property	0.00		
Off-site WCA (afforestation) being provided on this property	0.00		
Woodland Conservation Provided	0.33		

Area of woodland not cleared: 1.41 acres

Net tract woodland retained not part of requirements: 1.03 acres

100-floodplain woodland retained: 0.00 acres

On-site woodland conservation provided: 0.33 acres

On-site woodland retained not credited: 1.08 acres

Prepared by: NICOLE REEDY Signed: *Nicole Reedy* Date: 01/06/2017

**NOTE:** THE TREE CANOPY COVERAGE REQUIREMENT ON THIS SITE HAS BEEN MET USING WOODLAND CONSERVATION ON-SITE AS FOLLOWS:

TREE CANOPY COVERAGE REQUIRED 0.20 ACRES OR 8,842.68 SQUARE FEET (2.03 \* 10% (C-M ZONE))

TREE CANOPY COVERAGE PROVIDED USING WOODLAND CONSERVATION 0.33 ACRES.

**TYPE 2 TREE CONSERVATION (TCP2) PLAN APPROVAL BLOCK**

Prince George's County Planning Department, M-NCPPC Environmental Planning Section TYPE 2 TREE CONSERVATION PLAN APPROVAL TCP2 - 003-2017			
Approved by	Date	DRD #	Reason for Revision
00 <i>Nicole Reedy</i>	1/30/2017	N/A	N/A
01			
02			
03			
04			
05			



**MORRIS & RITCHIE ASSOCIATES, INC.**  
Civil / Structural Engineers  
1320-C East Joppa Road, Suite 505  
Towson, Maryland 21206  
410-821-1800  
410-821-1748 Fax



**PROFESSIONAL CERTIFICATION**

I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL LANDSCAPE ARCHITECT UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NO. 3181, EXPIRATION DATE: 06/30/2018

**verizon**  
BLUE STAR  
13804 OLD BRANDYWINE ROAD  
BRANDYWINE, MD 20613 (PRINCE GEORGES COUNTY)

**REVISIONS:**

NO.	DESCRIPTION	DATE

DESIGNED BY: NCR  
DRAWN BY: NCR  
PROJECT NO: 10427.1003  
DATE: 01/06/2017  
SCALE: AS NOTED  
TITLE: Type 2 Tree Conservation Plan

SHEET:

**TCP2-1**



**Know what's below. Call before you dig.**

PROTECT YOURSELF. GIVE THREE WORKING DAYS NOTICE.

THIS DRAWING DOES NOT INCLUDE NECESSARY COMPONENTS FOR CONSTRUCTION SAFETY. ALL CONSTRUCTION MUST BE DONE IN COMPLIANCE WITH THE OCCUPATIONAL SAFETY AND HEALTH ACT OF 1970 AND ALL RULES AND REGULATIONS THERE TO APPURTENANT.

**PRIORITY FOREST PRESERVATION AREAS:**

WITHIN FOREST STAND A THERE ARE PRIORITY AREAS PRESENT AND ARE INDICATED AS PRIORITY 3 (WITH THE EXCEPTION OF SPECIMEN TREE CRITICAL ROOT ZONES AND THE WETLAND BUFFER AREA)

FOREST STAND AREA (A): +/- 152 ACRES



TREE CONSERVATION PLAN NOTES:

- THIS PLAN IS SUBMITTED TO FULFILL THE WOODLAND CONSERVATION REQUIREMENTS FOR SDCP # 154594-2016 VERIZON BLUE STAR SITE.
- 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 \$4.00 PER SQUARE FOOT MITIGATION FEE.
- 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 G-M.
- THE SITE IS ADJACENT TO ACCOKEEK ROAD, A DESIGNATED HISTORIC ROAD AND BRANDYWINE ROAD (MD RTE 380) A SCENIC AND HISTORIC ROAD IN THE VICINITY OF THE PROPERTY.
- THE SITE IS LOCATED IN THE VICINITY OF ACCOKEEK ROAD, CRAIN HIGHWAY AND BRANCH AVENUE, A MASTER PLANNED (STATE DESIGNATION - ARTERIAL OR HIGHER) ROADWAY THAT IS REGULATED FOR NOISE. A NOISE STUDY MAY BE REQUIRED DURING SUBSEQUENT DEVELOPMENT REVIEW PROCESSES.
- THIS PLAN IS NOT GRANDFATHERED UNDER CB-21-2010, SECTION 25-11T (G).
- 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 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.
- 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.
- 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 PERMITEE 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 CHAINSAW TO NEAR THE EXISTING GROUND 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 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 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 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 REGULING, CHIPPING OR OTHER ACCEPTABLE METHODS. ALL DEBRIS THAT IS MORE THAN 35 FEET FROM THE WOODLAND EDGE SHALL BE CUT UP TO ALLOW CONTACT WITH THE GROUND. THIS 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.
- 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.
- 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 PROPER 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 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.
- 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, THIS 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 SURF IMMEDIATELY FOLLOWING CUTTING OF PLANT. 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.

TREE PROTECTION NOTES:

SEQUENCE OF CONSTRUCTION:

I. PRE-CONSTRUCTION MEETING:

- PRIOR TO GRADING OR OTHER SOIL DISTURBANCE ACTIVITIES, THE PROJECT ENGINEER OR THE CONSTRUCTION MANAGER SHALL ORGANIZE A PRE-CONSTRUCTION MEETING WITH A FORESTER OR ARBORIST TO IDENTIFY TREE PROTECTION MEASURES ALONG THE LOD. TREE PROTECTION MEASURES MAY INCLUDE ANY OF THE FOLLOWING:
  - TEMPORARY TREE PROTECTION FENCING AND SUPER SILT FENCING
  - TEMPORARY TREE PROTECTION FENCING
  - TREE BRANCH PRUNING (SEE DETAIL THIS SHEET)
  - TREE ROOT PRUNING (SEE DETAIL THIS SHEET)
  - TREE FERTILIZING, ETC.

- TREE PROTECTIVE AND SEDIMENT CONTROL DEVICES SHALL BE INSTALLED. INSTALL TREE PROTECTION FENCE IN COMBINATION OF SILT FENCING AS SHOWN ON THIS TCP PLAN (SEE DETAIL THIS SHEET). TREE PROTECTION AREAS ARE INDICATED TO INSURE THAT TREES ADJACENT TO THE PROPOSED LOD ARE NOT ADVERSELY IMPACTED BY THE PROPOSED DEVELOPMENT.

- ALL DISTURBED AREAS SHALL BE STABILIZED.

- SEDIMENT CONTROL SHALL BE REMOVED ONCE SITE IS STABILIZED.

TREE PROTECTION DURING AND POST CONSTRUCTION

I. TEMPORARY PROTECTION DURING CONSTRUCTION

- AVOID INJURING ROOTS WHEN INSTALLING ANCHOR POSTS.
- WHEN USING FENCING, IT SHOULD BE AT MINIMUM HEIGHT INDICATED IN DETAIL.
- ATTACH HIGHLY VISIBLE FLAGGING.
- FENCES OR DEVICES SHOULD BE SECURELY ANCHORED
- INSTALL TREE PROTECTION FENCING (SEE DETAIL)

2. CONSTRUCTION PHASE MONITORING

- SOIL COMPACTION
- ROOT INJURY
- TRUNK WOUNDS
- LIMB INJURY
- FLOODED CONDITIONS
- DROUGHT CONDITIONS

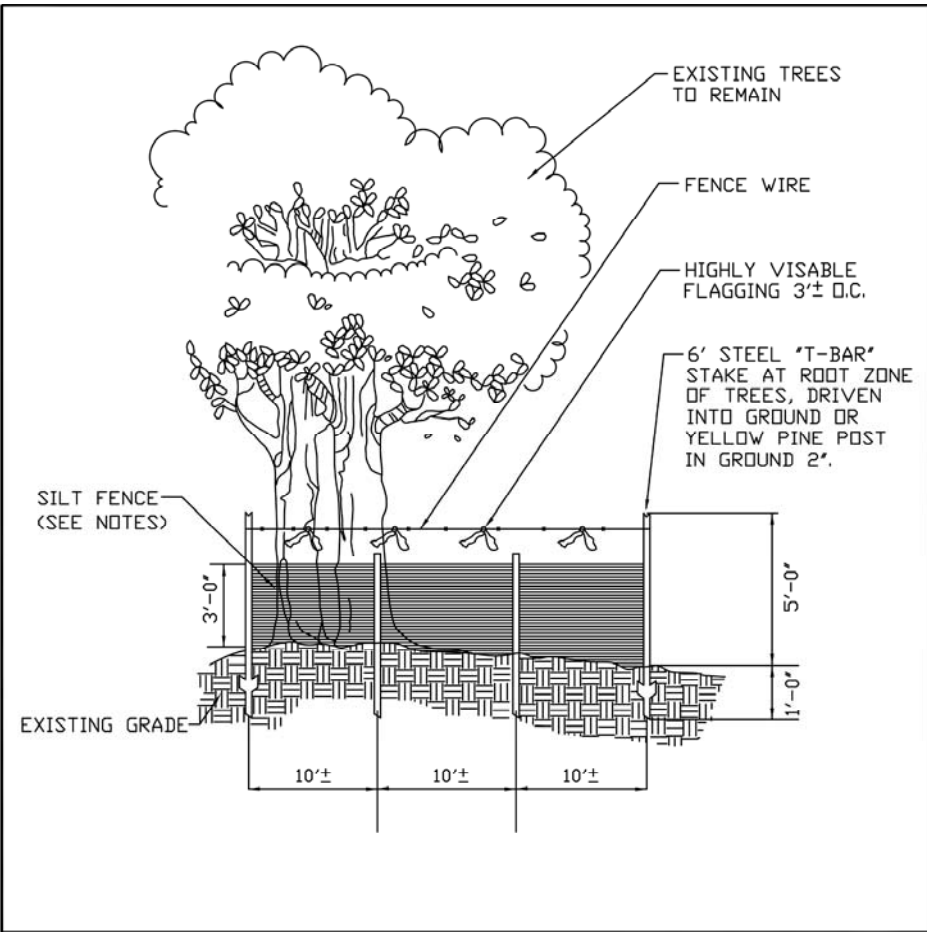
3. POST-CONSTRUCTION PHASE FOR TREES ADJACENT TO LOD AND CONSTRUCTION AREAS

A. AN ASSESSMENT OF EXISTING CONDITIONS AND NEEDS FOR:

- CONTROL OF COMPETING VEGETATION
  - PRUNING DEAD AND DISEASED BRANCHES CLEANLY TO PREVENT SPREADING OF DISEASE.
  - FERTILIZING
  - MULCHING
  - WATERING
  - REPAIR OF TREE DAMAGE
  - REPAIR OF DEAD LIMBS
- REMOVAL OF TEMPORARY TREE PROTECTION STRUCTURES
- REMOVAL OF INVASIVE SPECIES AS NEEDED
- PROTECTION FROM DISEASE AND INJURY (PERIODIC INSPECTION SHALL BE MADE FOR ANY EVIDENCE OF DISEASE OR DAMAGE)

TREE PROTECTION PROCEDURES:

- STANDARD NON-DISTURBANCE NOTE - NO EQUIPMENT, VEHICLES, MACHINERY, DUMPING, STORAGE, STOCKPILES, PARKING AREAS, EQUIPMENT CLEANING AREAS, ETC. OR OTHER CONSTRUCTION ACTIVITIES, BURIAL, BURNING, OR OTHER DISPOSAL OF CONSTRUCTION MATERIALS, MUST NOT BE LOCATED INSIDE TREE PROTECTION AREAS OR ADJACENT TO TREES TO REMAIN. ALL PRECAUTIONARY MEASURES SHALL BE TAKEN TO PROTECT THE EXISTING TREE AND ITS CRITICAL ROOT ZONE.
- ALL PROTECTION DEVICES SHALL BE IN PLACE PRIOR TO ANY GRADING OR LAND CLEARING.
- DEVICES SHALL BE MAINTAINED THROUGHOUT CONSTRUCTION.
- ATTACHMENT OF SIGNS, OR ANY OTHER OBJECTS TO TREES IS PROHIBITED.
- NO BURIAL OF DISCARDED MATERIALS SHALL OCCUR ON-SITE WITHIN THE CONSERVATION AREA.
- NO OPEN BURNING WITHIN 100 FEET OF WOODED AREA.
- ALL TEMPORARY FOREST PROTECTION STRUCTURES WILL BE REMOVED AFTER CONSTRUCTION.

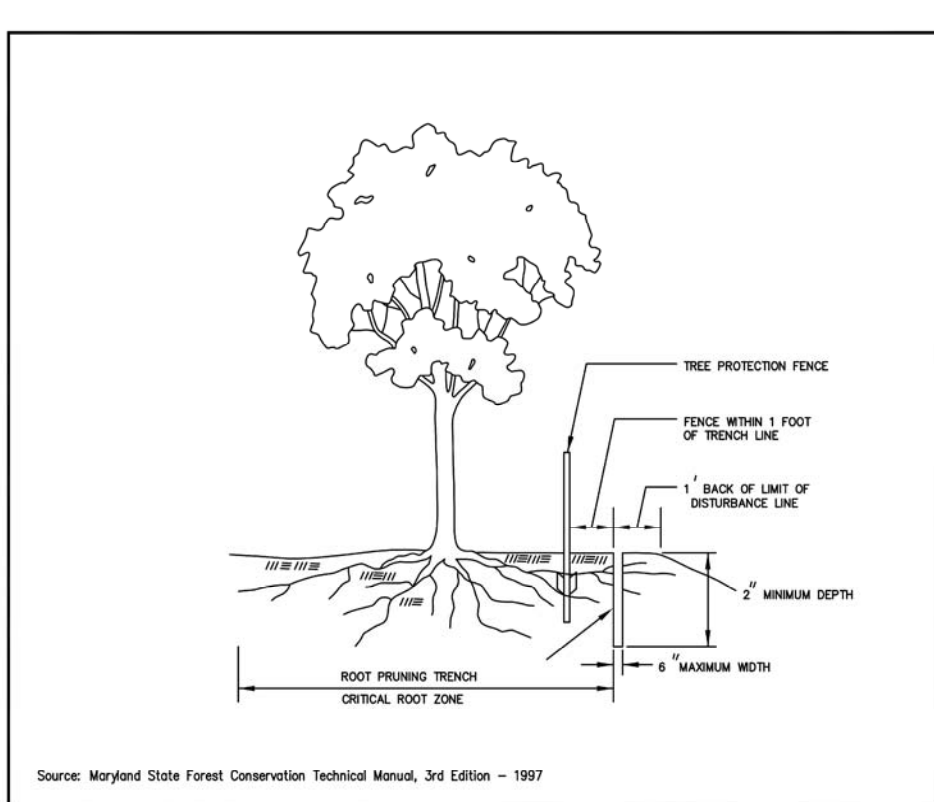


- NOTES:
- SILT FENCE TO BE VEELED INTO SOIL.
  - WIRE, SNOW FENCE, ETC. FOR TREE PROTECTION ONLY.
  - BOUNDARIES OF RETENTION AREA WILL BE ESTABLISHED AS PART OF THE TREE CONSERVATION PLAN REVIEW PROCESS.
  - BOUNDARIES OF RETENTION AREA SHOULD BE STAKED AND FLAGGED PRIOR TO INSTALLING DEVICE.
  - AVOID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

TYPE 4 (TEMPORARY) TREE PROTECTION FENCE  
COMBINATION SILT FENCE & TREE PROTECTION

August 2010

A-4, DET-8



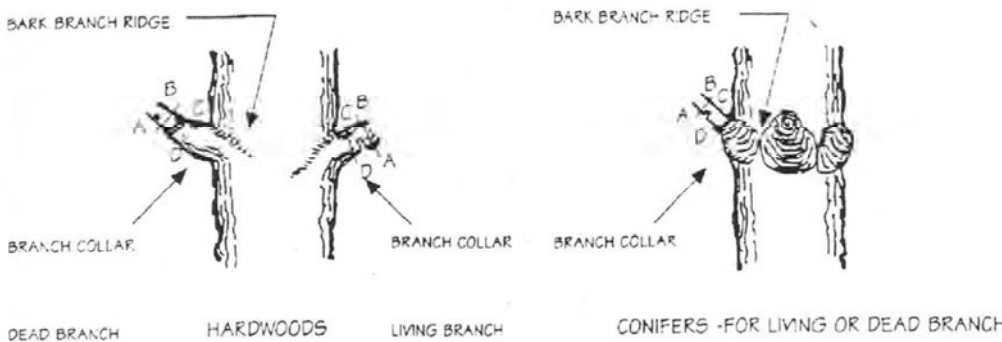
- NOTES:
- RETENTION AREAS TO BE ESTABLISHED AS PART OF THE FOREST CONSERVATION PLAN REVIEW PROCESS.
  - BOUNDARIES OF RETENTION AREAS SHOULD BE STAKED, FLAGGED AND/OR FENCED PRIOR TO TRENCHING.
  - EXACT LOCATION OF TRENCH SHOULD BE IDENTIFIED.
  - TRENCH SHOULD BE IMMEDIATELY BACKFILLED WITH SOIL REMOVED OR OTHER HIGH ORGANIC SOIL.
  - ROOTS SHOULD BE CLEANLY CUT USING VIBRATORY KNIFE OR OTHER ACCEPTABLE EQUIPMENT.

ROOT PRUNING

August 2010

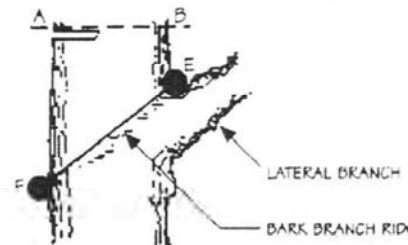
A-4, DET-10

Pruning a Branch



- Notes:
- Remove branch weight by undercutting at A and remove limb by cutting through at AB.
  - Remove stub at CD (line between branch bark ridge and outer edge of branch collar).
  - If D is difficult to find on hardwoods, angle of CD to trunk should be the reflective angle of the bark branch ridge to the trunk.
  - Only prune at specified times.
  - Remove no more than 30% of crown at one time.

Pruning a Leader to Reduce Size



- Notes:
- Remove top weight by undercutting at A and remove limb by cutting through AB.
  - Remove stub at EF (parallel to the bark branch ridge).
  - Only prune at specified times.
  - No more than 30% of crown to be removed at one time.
  - Diameter of lateral branch should be no less than 30% of the diameter of the leader.

Source: Fairfax County, Virginia/Vegetation Preservation & Planting, January 1986

Tree Pruning

August 2010

A-4, DET-11



**MORRIS & RITCHIE ASSOCIATES, INC.**

Civil/Structural Engineers  
1320-C East Joppa Road, Suite 505  
Towson, Maryland 21286  
410-821-1800  
410-821-1748 Fax



PROFESSIONAL CERTIFICATION

I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL LANDSCAPE ARCHITECT UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NO. 3181, EXPIRATION DATE: 06/30/2016

**verizon**  
BLUE STAR  
13804 OLD BRANDYWINE ROAD  
BRANDYWINE MD 20613 (PRINCE GEORGES COUNTY)

REVISIONS:

NO.	DESCRIPTION	DATE

DESIGNED BY: NCR

DRAWN BY: NCR

PROJECT NO: 10427.1083

DATE: 01/06/2017

SCALE: AS NOTED

TITLE: **Type 2 Tree Conservation Plan Details and Notes**

SHEET:

**TCP2-2**

QUALIFIED PROFESSIONAL CERTIFICATION

THIS PLAN COMPLIES WITH THE CURRENT REQUIREMENTS OF SUBTITLE 25 AND THE WOODLAND AND WILDLIFE CONSERVATION TECHNICAL MANUAL. THIS COMPLIES WITH THE CURRENT REQUIREMENTS OF PRINCE GEORGE'S COUNTY CODE AND THE ENVIRONMENTAL TECHNICAL MANUAL.

SIGNED: Nicole Reedy DATE: 01-06-2017

NICOLE REEDY  
MORRIS & RITCHIE ASSOCIATES, INC.  
1320-C EAST JOPPA ROAD, SUITE 505  
TOWSON, MD 21286  
PHONE: 410-821-1800  
NREEDY@MRA1.COM

TYPE 2 TREE CONSERVATION (TCP2) PLAN  
APPROVAL BLOCK

Prince George's County Planning Department, M-NCPPC  
Environmental Planning Section  
TYPE 2 TREE CONSERVATION PLAN APPROVAL  
TCP2-003-2017

	Approved by	Date	DRD #	Reason for Revision
00	<u>Nicole Reedy</u>	1/30/2017	N/A	N/A
01				
02				
03				
04				
05				