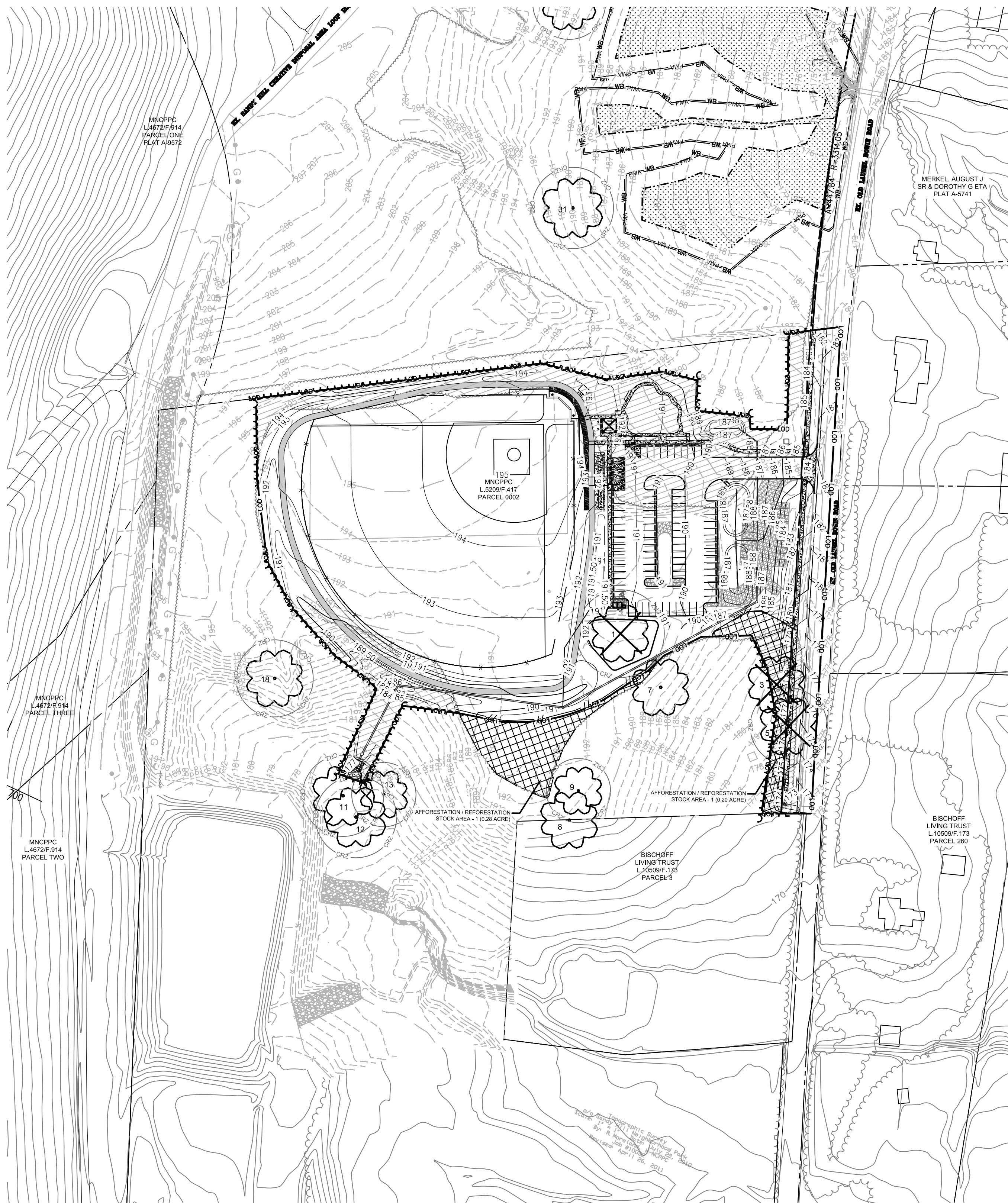


BOWIE (14th) ELECTION DISTRICT
PRINCE GEORGE'S COUNTY, MARYLAND

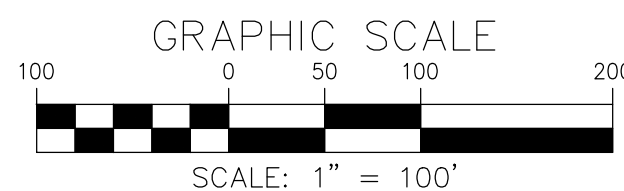


Off-site Woodland Conservation:

1. Off-site woodland conservation will be provided at a Prince Georges County Woodland Conservation Bank prior to release of permits for grading.
2. This plan is approved in accordance with the following variance (s) from the strict requirements of subtitle 25 approved by the planning director on September 15, 2016:
 - A. The removal of three Specimen Trees (section 25-122(B)(1)(6)): ST- 1, 3 and 5.
 - B. MNCNP is exempt from any Afforestation/Reforestation bonds.

Call "Miss Utility" at 1-800-257-7777, 72 hours prior to the start of work. The excavator must notify all public utility companies with underground facilities in the area of proposed excavation and have those facilities located by the utility companies prior to commencing excavation.

SCALE: 1"=100'
WSSC 200' SHEET: 212NE11
P.G. CO. MAP NO.: 5290-E8

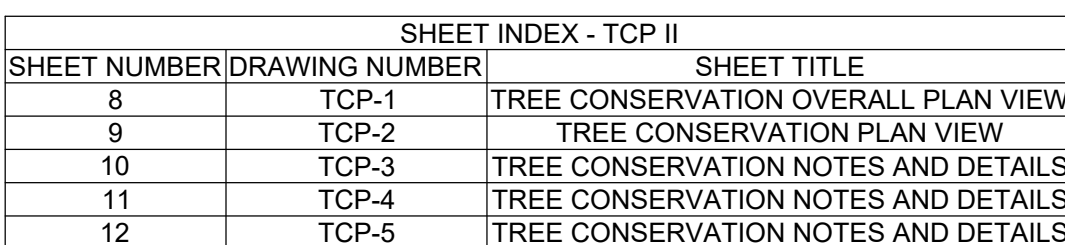


SIGNED: JAMES M. FETCHU, #3241 DATE: 9/24/2020
CPJ & ASSOCIATES, INC. JAMES M. FETCHU, #3241
1751 ELTON ROAD, SUITE 300, SILVER SPRING, MD 20903
PHONE: 301-434-7000 EMAIL: JFETCHU@CPJA.COM

Contract Purchaser _____ Date _____

The Maryland-National Capital Park and Planning Commission

DATE: 9/24/2020
#3241
D 20903
CPJA.COM



Natural Resource Inventory Statistics Table	
Site Statistics	Total
Gross project area (LOD + 100')	16.04 Ac.
Existing 100-year floodplain	0.00 Ac.
Net project area	16.04 Ac.
Existing woodland in the floodplain	0.00 Ac.
Existing woodland net project area	0.00 Ac.
Existing woodland total area	5.59 Ac.
Existing PMA	0.00 Ac.
Regulated streams (linear feet of centerline)	0.00 Ac.
Riparian (wooded) buffer up to 300 feet wide	0.00 Ac.

Property Owners Awareness Certificate



SCALE = 1"=2,000'

COPYRIGHT ADC THE MAP PEOPLE
PERMITTED USE NUMBER 21003213
MONTGOMERY CO. MAP PAGE # 4929-B

STATE OF MARYLAND
DEPARTMENT OF THE ENVIRONMENT
WATER AND SCIENCE ADMINISTRATION
LETTER OF AUTHORIZATION

AUTHORIZATION NUMBER: 17-NT-0474/20176209

EFFECTIVE DATE: April 16, 2011

EXPIRATION DATE: April 16, 2021

AUTHORIZED PERSON: Maryland National Capital Park and Planning
Commission
6600 Kenilworth Avenue
Riverdale, Maryland 20737
Attn: Francis Kang

IN ACCORDANCE WITH ENVIRONMENT ARTICLE 5-503(a) AND 5-906(b), ANNOTATED CODE OF MARYLAND (2001 REPLACEMENT VOLUME), COMAR 26.17.04 AND 26.23.01, AND 26.08.02 AND THE ATTACHED CONDITIONS OF AUTHORIZATIONS, Maryland National Capital Planning and Planning, (AUTHORIZED PERSON"), IS HEREBY AUTHORIZED BY THE WATER AND SCIENCE ADMINISTRATION ("ADMINISTRATION") TO CONDUCT A REGULATED ACTIVITY IN A NONFLOOD, NONWETLAND, BUFFER, OR EXPANDED BUFFER, AND/OR TO CHANGE THE COURSE OF A CURRENTLY EXISTING CROSS-SECTION OF WATERS OF THE STATE, IN ACCORDANCE WITH THE ATTACHED PLANS APPROVED BY THE ADMINISTRATION ON APRIL 16, 2018 ("APPROVED PLAN") AND PREPARED BY Charles P. Johnson & Associates, Inc. AND INCORPORATED HEREIN, AS DESCRIBED BELOW:

Regulated activities associated with renovations/upgrades to the existing Sandy Hill Park outdoor recreational facility. The work includes re-grading for new athletic fields, onsite parking, and improved access/equestrian roadways. The project will permanently impact 2,417 square feet of forested nontidal wetlands, 8,089 square feet of the 25-foot nontidal wetland buffer, 114 linear feet (396 square feet) of stream, and 151 square feet of 100-year floodplain. Temporary impacts include: 639 square feet of forested nontidal wetlands, 535 square feet of the 25-foot nontidal wetland buffer, and 2 linear feet (9 square feet) of stream. Waterways are Use 1 tributaries to the Patuxent River. The site is located on Old Laurel-Bowie Road, which is north of Duckettown Road and west of Thompsons Lane, is Bowie, Prince George's County, Maryland.

Note: This authorization is a reauthorization of 13-NT-0162/201360762 which has expired.

MD Grid Coordinates : 149874 x 418568

cc: MDE Compliance Program

cc: MDE Compliance Program

Prince George's County Planning Department, M-NCPPC
Environmental Planning Section
TYPE 2 TREE CONSERVATION PLAN APPROVAL
TCPII - 081-93

	Approved by	Date	DRD #	Reason for Revision
00	JPM	10/14/1993		
01	JPM	03/07/1996		
02	KF	04/16/2018		
03			N/A	Reduced Limit of Disturbance
04				
05				
06				
07				
08				

UPDATES/REVISIONS :

TCPII
TREE CONSERVATION OVERALL PLAN VIEW

SANDY HILL PARK
BOWIE (14th) ELECTION DISTRICT
PRINCE GEORGE'S COUNTY, MARYLAND

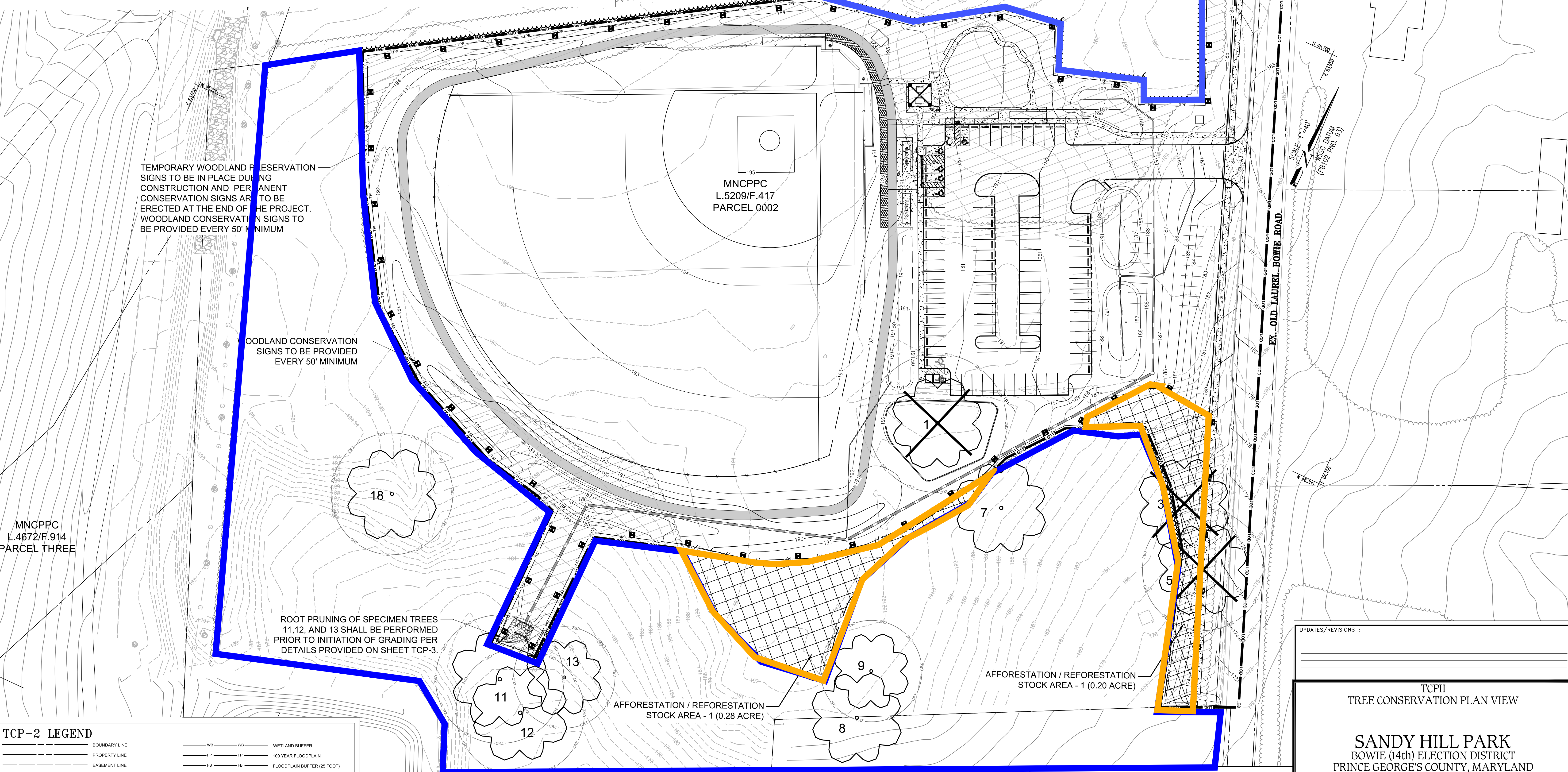
CPJ Charles P. Johnson & Associates, Inc.
Civil and Environmental Engineers • Planners • Landscape Architects • Surveyors
Associates 1751 Elton Rd., Ste. 300 Silver Spring, MD 20903 301-434-7000 Fax: 301-434-9394
www.cpjia.com • Silver Spring, MD • Gaithersburg, MD • Annapolis, MD • Greenbelt, MD • Frederick, MD • Fairfax, VA

CLIENT: MNCPPC
DEPARTMENT OF PARKS AND RECREATION
6600 KENILWORTH AVENUE
RIVERDALE, MARYLAND 20737
TELEPHONE: (301) 699-2441

COPYRIGHT © LATEST DATE HEREON CHARLES P. JOHNSON & ASSOCIATES, INC. ALL RIGHTS RESERVED. UNAUTHORIZED USE OR REPRODUCTION IS PROHIBITED.

TAX MAP/WSSC N/A		SITE PLAN NO. N/A	
DESIGN JMF	SHEET 10		OF 64
DRAFT ADG	TCP-1		TCP-5
DATE SEPT., 2019		FILE NO : 41-242-22.4	
SCALE AS SHOWN			

Specimen Trees Table								
Number	Latin Name	Common Name	Size	Condition	Condition Rating	CRZ Impacts	Stress Reduction Measure	Disposition
1	Quercus velutina	Black Oak	41"	Insect damage on trunk, dead upper branches	Poor	65%		Remove
3	Juniperus virginiana	Cedar	36"	Dying	Poor	65%		Remove
5	Quercus rubra	Red Oak	36"	Many large limbs broken, lower trunk/roots good, upper form fair	Fair	100%		Remove
7	Dead	Dead	32"		Dead	N/A		Save
8	Dead	Dead	32"		Dead	N/A		Save
9	Acer rubrum	Red Maple	30"	Heavy Poison Ivy damage, split at 10', poor upper form	Poor	0%		Save
11	Acer rubrum	Red Maple	36"	Good,exposed roots at base	Good	12%	Root Prune	Save
12	Acer rubrum	Red Maple	38"	Split below breast, roots exposed at base, good upper form	Good	1%	Root Prune	Save
13	Quercus palustris	Pin Oak	30"	Exposed roots at base, good form	Good	4%	Root Prune	Save
18	Quercus phellos	Willow Oak	36"	Form good, lower good, upper limb damage, English ivy	Good	0%		Save



TCP-2 LEGEND

---WB---	WB---	WETLAND BUFFER
---FP---	FP---	100 YEAR FLOODPLAIN
---FB---	FB---	FLOODPLAIN BUFFER (25 FOOT)
---	---	EXISTING TREE LINE
---	---	EXISTING MINOR CONTOUR
---	---	EXISTING MAJOR CONTOUR
---	---	PROPOSED MINOR CONTOUR
---	---	PROPOSED MAJOR CONTOUR
---	---	TREE PROTECTION FENCE - TEMPORARY
---	---	TREE PROTECTION FENCE - PERMANENT
---	---	ROOT PRUNING
---	---	LIMIT OF DISTURBANCE
---	---	REGULATED STREAMS
---	---	PRIMARY MANAGEMENT AREA
---	---	WETLAND
---	---	WOODLAND CONSERVATION SIGN

Prince George's County Planning Department, M-NCPCC
Environmental Planning Section
TYPE 2 TREE CONSERVATION PLAN APPROVAL
TCP-II - 081-93

Approved by	Date	DRD #	Reason for Revision
00 JPM	10/14/1993		
01 JPM	03/07/1996		
02 KF	04/16/2018		
03 Kim A. Finch	10/5/2020		Reduced Limit of Disturbance
04			
05			
06			
07			
08			

GRAPHIC SCALE
0 20 40 80
SCALE: 1" = 40'

QUALIFIED PROFESSIONAL CERTIFICATION
TO THE BEST OF MY ABILITY AND KNOWLEDGE THIS PLAN COMPLIES WITH THE CURRENT REQUIREMENTS OF SUBTITLE 25 AND THE WOODLAND AND WILDLIFE CONSERVATION TECHNICAL MANUAL.

SIGNED: [Signature] DATE: 9/24/2020
CPJ & ASSOCIATES, INC. JAMES M. FETCHU, RLA #3241
1751 ELTON ROAD, SUITE 300, SILVER SPRING, MD 20903
PHONE: 301-434-7000 EMAIL: JFETCHU@CPJA.COM

MISS UTILITY
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The Maryland-National Capital Park and Planning Commission
Prince George's County Department of Parks and Recreation
6600 Kenilworth Avenue
Riverdale, Maryland 20737
(301) 699-2441
Contact: Francis Kang

UPDATES/REVISIONS :

**TCP-II
TREE CONSERVATION PLAN VIEW**

SANDY HILL PARK
BOWIE (14th) ELECTION DISTRICT
PRINCE GEORGE'S COUNTY, MARYLAND

CPJ Charles P. Johnson & Associates, Inc.
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CLIENT:	MNCPPC DEPARTMENT OF PARKS AND RECREATION 6600 KENILWORTH AVENUE RIVERDALE, MARYLAND 20737 TELEPHONE: (301) 699-2441 CONTACT: FRANCIS KANG	TAX MAP/WSSC	N/A	SITE PLAN NO.	N/A
DESIGN	JMF	SHEET	11	OF	64
DRAFT	ADG	TCP-2	TCP-2	TCP-5	
DATE	SEPT, 2019	FILE NO.:	41-242-224		
SCALE	1" = 40'				

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GENERAL TREE CONSERVATION PLAN NOTES

- THIS PLAN IS SUBMITTED TO FULFILL THE WOODLAND CONSERVATION REQUIREMENTS FOR A GRADING PERMIT.
- 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.
- 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.
- 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 RURAL TIER. IS ZONED R-O-S AND ENVIRONMENTAL STRATEGY AREA (ESA)3.
- THE PROPERTY IS NOT ADJACENT TO A ROADWAY WHICH IS A DESIGNATED AS SCENIC, HISTORIC, SCENIC AND HISTORIC, PARKWAY, OR SCENIC BYWAY.
- THE PROPERTY IS ADJACENT TO STATE ROUTE 197 (OLD LAUREL-BOWIE ROAD) WHICH IS CLASSIFIED AS A ARTERIAL ROADWAY.
- THIS PLAN IS GRANDFATHERED UNDER CB-27-2010, SECTION 25-117 (G).

TREE PRESERVATION AND RETENTION NOTES

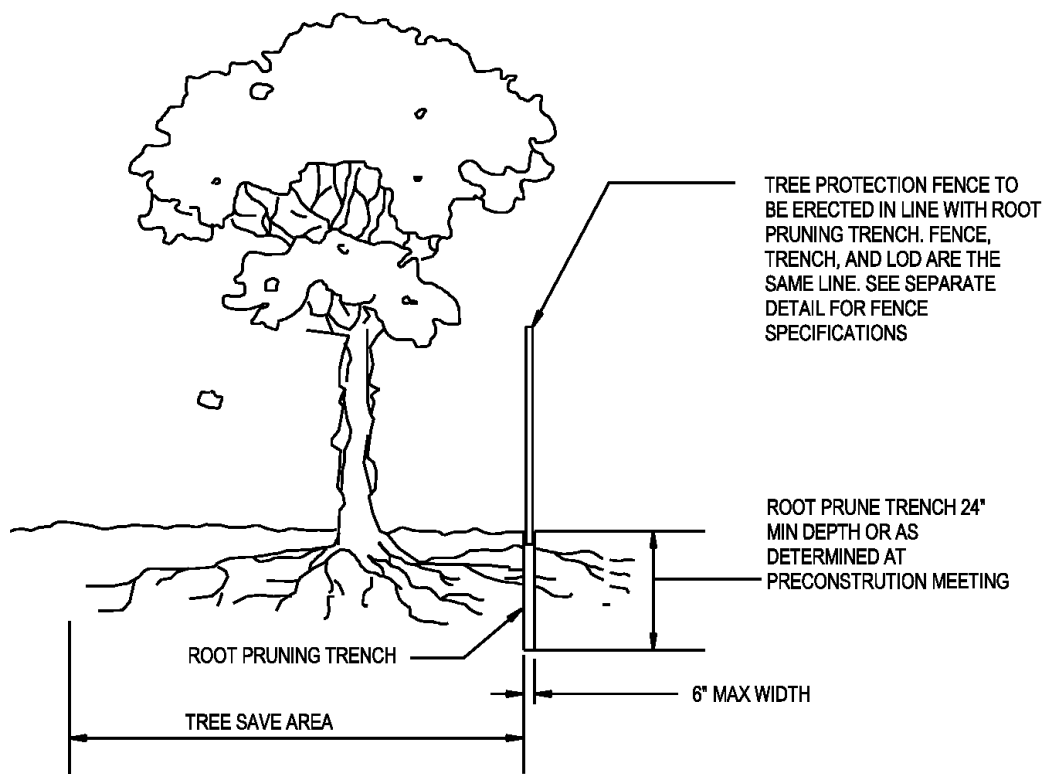
- ALL WOODLANDS DESIGNATED ON THIS PLAN FOR PRESERVATION ARE THE RESPONSIBILITY OF THE PROPERTY OWNER. THE WOODLAND AREAS SHALL REMAIN IN A NATURAL STATE. THIS INCLUDES THE CANOPY TREES AND UNDERSTORY VEGETATION. A REVISED TREE CONSERVATION PLAN IS REQUIRED PRIOR TO CLEARING WOODLAND AREAS THAT ARE NOT 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 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 SHALL BE POSTED WITH SIGNAGE AS SHOWN ON THE PLANS AT THE SAME TIME AS THE TEMPORARY TPF INSTALLATION. TEMPORARY SIGNAGE SHALL REMAIN IN PLACE UNTIL THE TPD IS REMOVED. PERMANENT SIGNS MUST REMAIN IN PLACE IN PERPETUITY.
- 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 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 PERMIT CLOSURE 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 RECYCLING, CHIPPING OR OTHER ACCEPTABLE METHODS. ALL DEBRIS THAT IS MORE THAN 35 FEET FROM THE WOODLAND EDGE SHALL BE CUT UP TO ALLOW CONTACT WITH THE GROUND, THUS ENCOURAGING DECOMPOSITION. THE SMALLER MATERIALS SHALL BE PLACED INTO BRUSH PILES THAT WILL SERVE AS WILDLIFE HABITAT. 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.

WHEN VIRGINIA PINES ARE PRESENT WITHIN 40 FEET OF THE LIMITS OF DISTURBANCE IN A PRESERVATION AREA:

- THE SUBJECT PROPERTY CONTAINS VIRGINIA PINES (PINUS VIRGINIANA) THAT ARE SUBJECT TO WIND THROW. ALL VIRGINIA PINES GREATER THAN 6 INCHES IN DIAMETER WITHIN 40 FEET OF THE FINAL PROPOSED LIMIT OF DISTURBANCE OR THE BOUNDARY OF THE PROPERTY SHALL BE CUT DOWN BY HAND DURING THE CLEARING OF THE SITE.
- AFTER THE VIRGINIA PINES HAVE BEEN REMOVED, THE CONTRACTOR RESPONSIBLE FOR IMPLEMENTATION OF THIS TCP2 SHALL SUBMIT AN EVALUATION OF THE STOCKING LEVELS FOR THE RESIDUAL STAND, MANAGEMENT TECHNIQUES TO BE APPLIED TO THE RESIDUAL STAND, AND SUPPLEMENTAL PLANTING REQUIREMENTS TO THE M-NCPPC PLANNING DEPARTMENT. THIS EVALUATION SHALL BE SUBMITTED PRIOR TO THE ISSUANCE OF THE FIRST BUILDING PERMIT TO ENSURE THAT ALL HIGH RISK TREES HAVE BEEN REMOVED. A PLANTING SCHEDULE AND/OR DETAILS FOR THE MANAGEMENT OF NATURAL REGENERATION TO FULLY RESTOCK THE SITE MUST BE SHOWN ON THE PLAN.

OFF-SITE WOODLAND CONSERVATION

- 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 A TRANSFER CERTIFICATE SHALL BE PROVIDED TO THE M-NCPPC, PLANNING DEPARTMENT PRIOR TO ISSUANCE OF ANY PERMIT FOR THE ASSOCIATED PLAN.

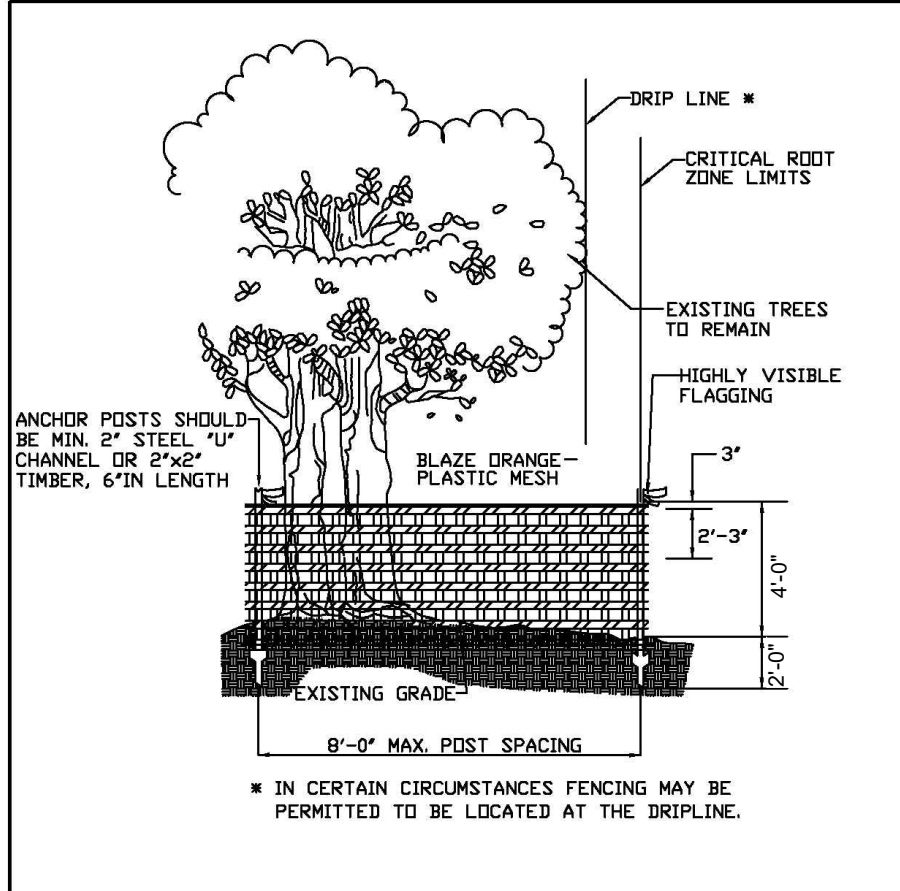


NOTES:

- RETENTION AREAS WILL BE SET AS PART OF THE REVIEW PROCESS AND PRECONSTRUCTION MEETING.
- BOUNDARIES OF RETENTION AREAS MUST BE STAKED AT THE PRECONSTRUCTION MEETING AND FLAGGED PRIOR TO TRENCHING.
- EXACT LOCATION OF TRENCH SHALL BE DETERMINED IN THE FIELD IN COORDINATION WITH THE FOREST CONSERVATION (FC) INSPECTOR.
- TRENCH SHOULD BE IMMEDIATELY BACKFILLED WITH EXCAVATED SOIL OR OTHER ORGANIC SOIL AS SPECIFIED PER PLAN OR BY THE FC INSPECTOR.
- ROOTS SHALL BE CLEANLY CUT USING VIBRATORY KNIFE OR OTHER ACCEPTABLE EQUIPMENT.
- ALL PRUNING MUST BE EXECUTED WITH LOD SHOWN ON PLANS OR AS AUTHORIZED IN WRITING BY THE FC INSPECTOR.

ROOT PRUNING DETAIL

NTS



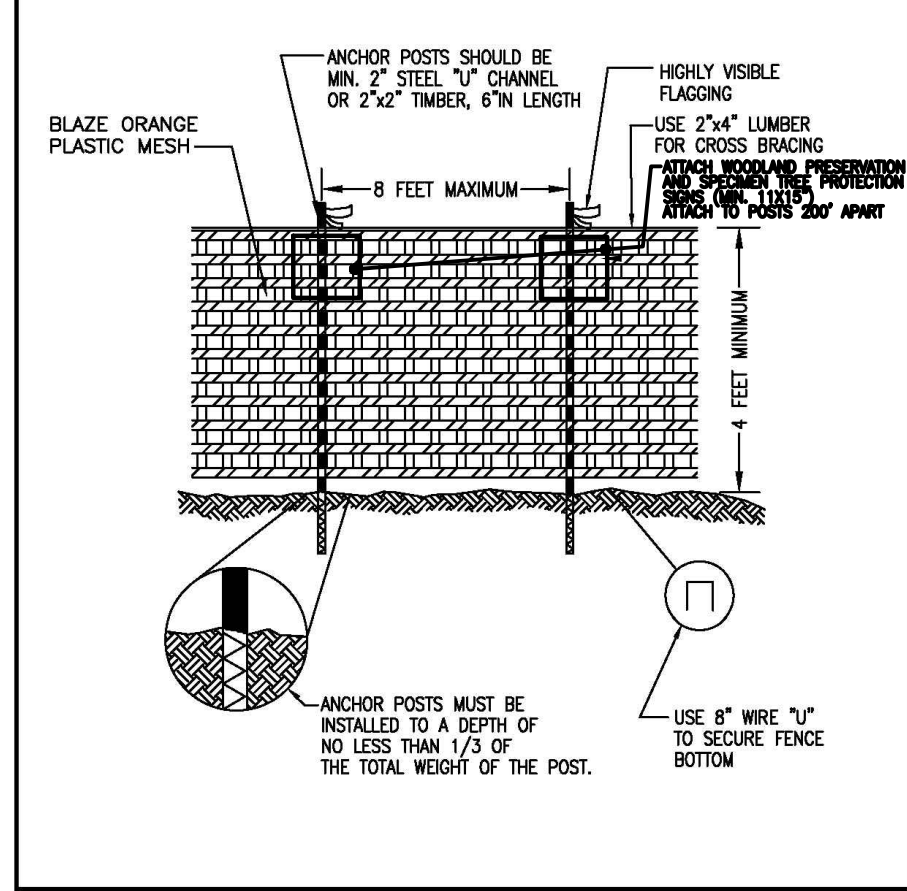
NOTES: (MUST BE INCLUDED WITH DETAIL)

- FOREST PROTECTION DEVICE ONLY.
- RETENTION AREA WILL BE SET AS PART OF THE REVIEW PROCESS.
- BOUNDARIES OF RETENTION AREA SHOULD BE STAKED AND FLAGGED PRIOR TO INSTALLING DEVICES.
- AVOID ROOT DAMAGE WHEN PLACING ANCHOR POSTS.
- DEVICE SHOULD BE PROPERLY MAINTAINED DURING CONSTRUCTION
- PROTECTIVE SIGNAGE IS ALSO REQUIRED.

TEMPORARY FENCE PROTECTION DETAIL FOR WOODLAND PRESERVATION AREAS (TPF)

August 2010

A-4, DET-5



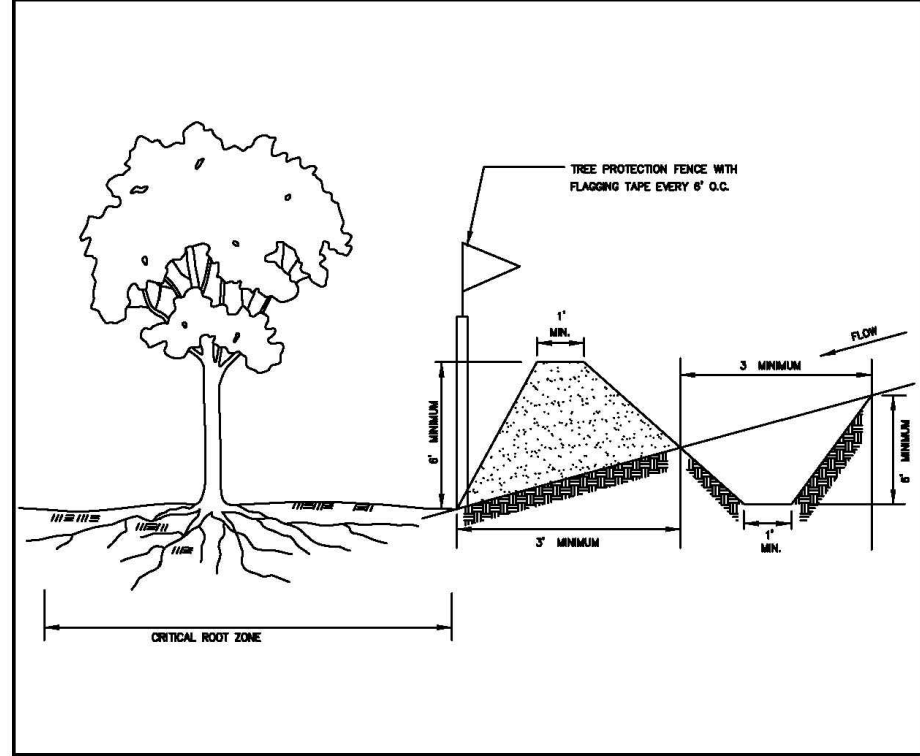
NOTES: (MUST BE INCLUDED WITH DETAIL)

- FOREST PROTECTION DEVICE ONLY.
- RETENTION AREA WILL BE SET AS PART OF THE REVIEW PROCESS.
- BOUNDARIES OF RETENTION AREA SHOULD BE STAKED AND FLAGGED PRIOR TO INSTALLING DEVICES.
- AVOID ROOT DAMAGE WHEN PLACING ANCHOR POSTS.
- DEVICE SHOULD BE PROPERLY MAINTAINED DURING CONSTRUCTION
- PROTECTIVE SIGNAGE IS ALSO REQUIRED.

TYPE 1 (TEMPORARY) TREE PROTECTION FENCE DETAIL FOR WOODLAND PRESERVATION AREAS (TPF)

August 2010

A-4, DET-4



NOTES:

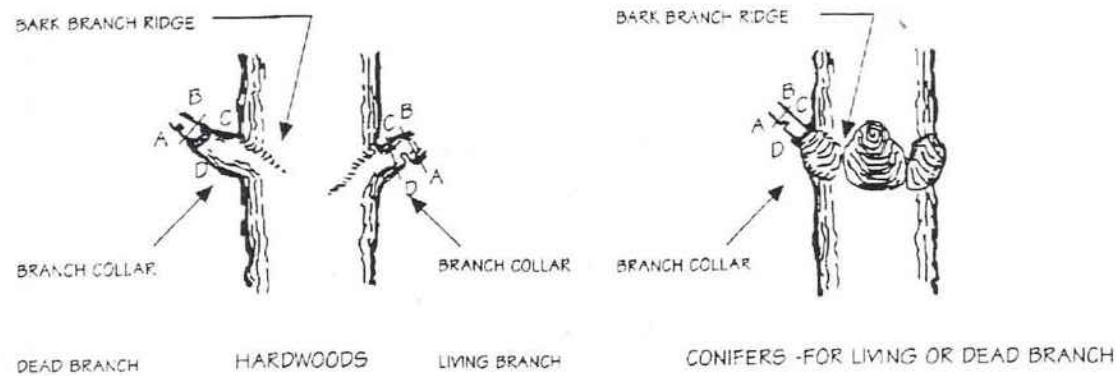
- COMBINATION SEDIMENT CONTROL AND FOREST PROTECTION DEVICE.
- BOUNDARIES OF THE RETENTION AREA WILL BE SET AS PART OF THE FOREST CONSERVATION PLAN REVIEW PROCESS.
- BOUNDARIES OF RETENTION AREA SHOULD BE STAKED PRIOR TO INSTALLING PROTECTIVE DEVICE.
- ROOT DAMAGE SHOULD BE AVOIDED.
- THE TOE OF SLOPE SHOULD BE OUTSIDE THE CRITICAL ROOT ZONE.
- EQUIPMENT IS PROHIBITED WITHIN CRITICAL ROOT ZONE OF RETENTION AREA. PLACE DIRT ACCORDINGLY.
- ALL STANDARD MAINTENANCE FOR EARTHEN DIKES AND SWALES APPLY TO THESE DETAILS.
- ALL STANDARD RECLAMATION PRACTICES FOR EARTHEN DIKES AND SWALES SHALL APPLY TO THESE DETAILS.

TYPE 3 (TEMPORARY) TREE PROTECTION FENCE COMBINATION SILT FENCE & TREE PROTECTION (TPF)

August 2010

A-4, DET-7

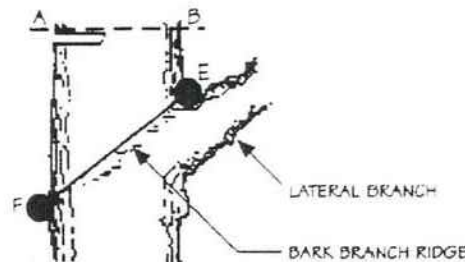
Pruning a Branch



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

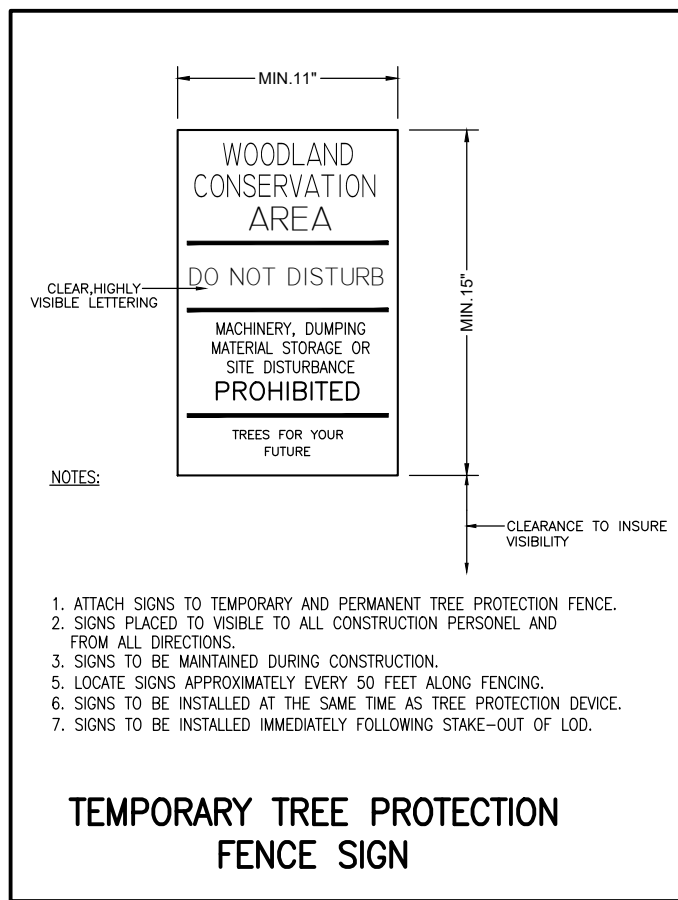


Notes:

- 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



TEMPORARY TREE PROTECTION FENCE SIGN

Prince George's County Planning Department, M-NCPPC Environmental Planning Section TYPE 2 TREE CONSERVATION PLAN APPROVAL TCP11 - 081-93				
	Approved by	Date	DRD #	Reason for Revision
00	JPM	10/14/1993		
01	JPM	03/07/1996		
02	KF	04/16/2018		
03				Reduced Limit of Disturbance
04				
05				
06				
07				
08				

QUALIFIED PROFESSIONAL CERTIFICATION
TO THE BEST OF MY ABILITY AND KNOWLEDGE THIS PLAN COMPLIES WITH THE CURRENT REQUIREMENTS OF SUBTITLE 25 AND THE WOODLAND AND WILDLIFE CONSERVATION TECHNICAL MANUAL.

SIGNED: [Signature] DATE: 9/24/2020
CPJ & ASSOCIATES, INC. JAMES M. FETCHU, RLA #3241
751 ELDON ROAD, SUITE 300, SILVER SPRING, MD 20903
PHONE: 301-434-7000 EMAIL: JFETCHU@CPJA.COM

UPDATES/REVISIONS :

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The Maryland-National Capital Park and Planning Commission

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6600 Kenilworth Avenue
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Contact: Francis Kang

TCPII
TREE CONSERVATION NOTES AND DETAILS

SANDY HILL PARK
BOWIE (14th) ELECTION DISTRICT
PRINCE GEORGE'S COUNTY, MARYLAND

Charles P. Johnson & Associates, Inc. Civil and Environmental Engineers • Planners • Landscape Architects • Surveyors			
1751 Elton Rd., Ste. 300 Silver Spring, MD 20903 301-434-7000 Fax: 301-434-9394 www.cpja.com • Silver Spring, MD • Gaithersburg, MD • Annapolis, MD • Greenbelt, MD • Frederick, MD • Fairfax, VA			
CLIENT : MNCPPC DEPARTMENT OF PARKS AND RECREATION 6600 KENILWORTH AVENUE RIVERDALE, MARYLAND 20737 TELEPHONE: (301) 699-2441 CONTACT: FRANCIS KANG	TAX MAP/WSSC N/A		SITE PLAN NO. N/A
	DESIGN JMF	SHEET 12	OF 64
	DRAFT ADG	TCP-3	TCP-5
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	SCALE AS SHOWN		41-242-22.4

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 RETAINED 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 NOTE MAY BE MODIFIED AS NECESSARY TO ADDRESS WHICH BUILDING PERMITS ARE ADJACENT TO THE PROPOSED PLANTING AREA.) SEEDLING PLANTING IS TO OCCUR FROM NOVEMBER THROUGH MAY ONLY. NO PLANTING SHALL BE DONE WHILE GROUND IS FROZEN. PLANTING WITH LARGER 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 TO THE HOMEOWNER, 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 RESPONSIBLE FOR IMPLEMENTATION OF THIS PLAN: CONTRACTOR NAME; BUSINESS NAME (IF DIFFERENT); ADDRESS; AND PHONE NUMBER. 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 AND/OR A VIOLATION OF THIS PLAN INCLUDING THE ASSOCIATED \$9.00 PER SQUARE FOOT PENALTY UNLESS THE COUNTY INSPECTOR APPROVES A WRITTEN EXTENSION.

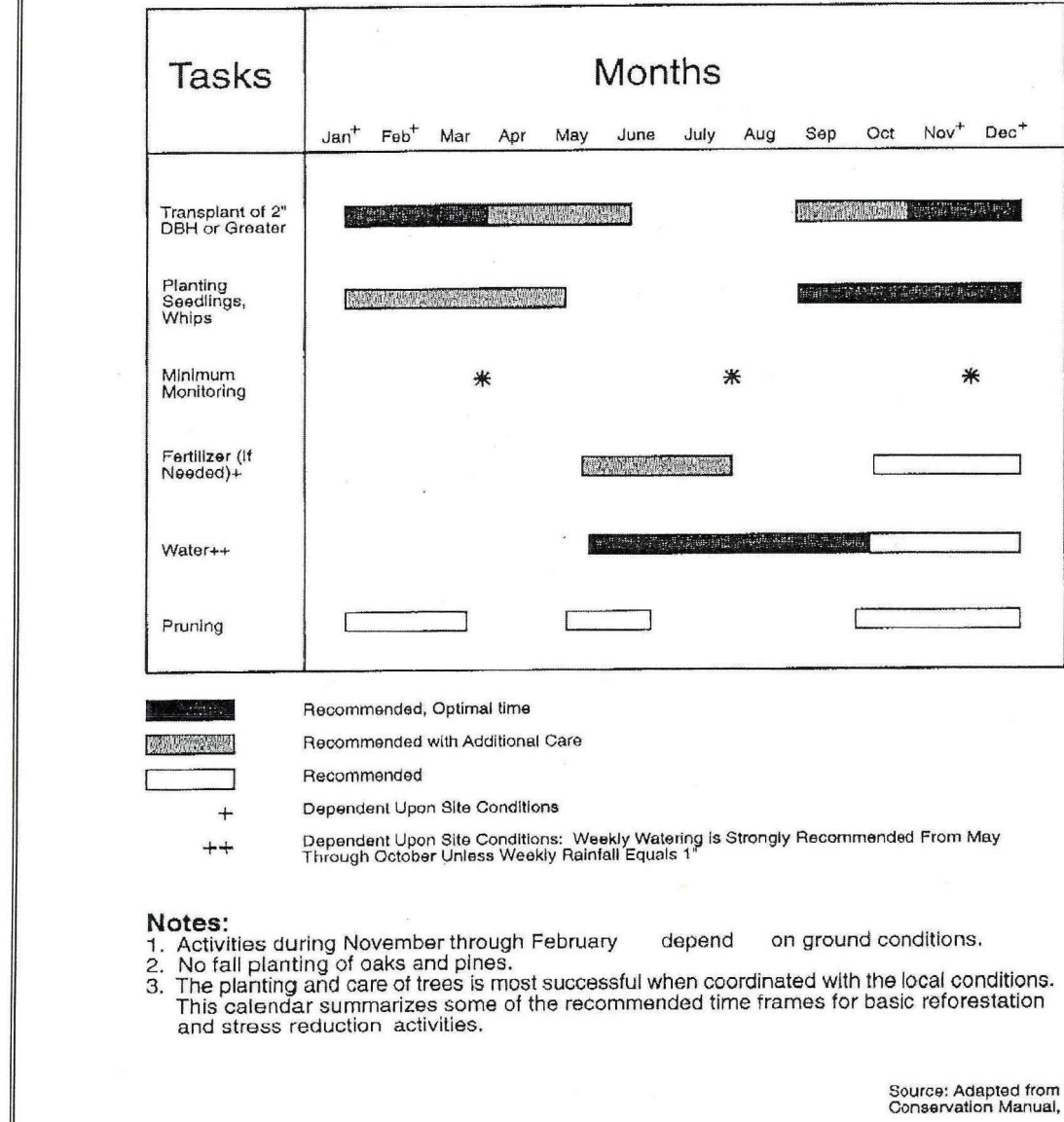
PLANTING SPECIFICATION NOTES

- 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 ROT COLLAR (THE PART OF THE ROOT JUST BELOW GROUND LEVEL) SHALL BE AT LEAST ¾". 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/FIBROUS ROOTS) SHALL BE PRESENT.

PLANTS 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 BY THE LANDSCAPE CONTRACTOR.

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. ALL PLANTING STOCK WILL MEET OR EXCEED THE STANDARDS SET BY THE AMERICAN NURSERY AND LANDSCAPE ASSOCIATION.
- PLANT 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. MOIST SOIL SHOULD THEN BE PACKED FIRMLY AROUND THE ROOTS. SEEDLINGS SHOULD BE PLANTED AT A DEPTH WHERE THEIR ROOTS LIE JUST BELOW THE 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).
- GROUND COVER ESTABLISHMENT: THE REMAINING DISTURBED AREA BETWEEN SEEDLING PLANTING SITES SHALL BE SEEDED AND STABILIZED WITH WHITE CLOVER SEED AT THE RATE OF 5 LBS/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: STATE NAME, ADDRESS, AND PHONE NUMBER OF NURSERY OR SUPPLIER.

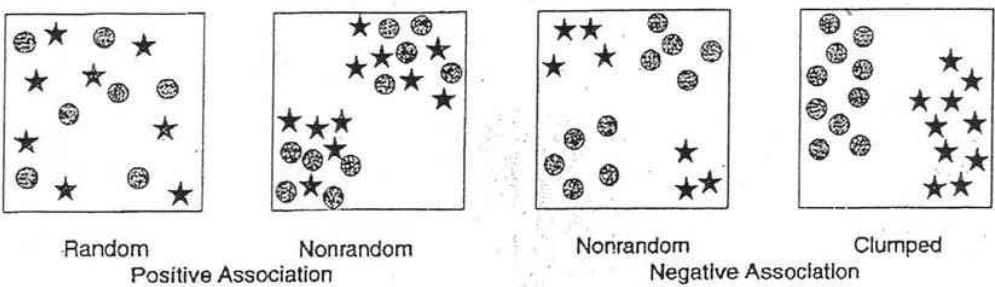


Tree Planting and Maintenance Calendar

August 2020

A-4.1-RET-13

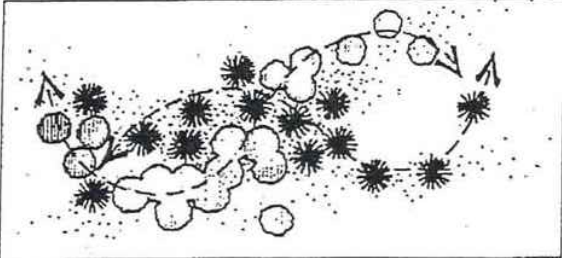
Typical Forest Tree Distribution Patterns



Note: Naturally occurring populations of trees tend to be found in informal groupings. A cluster of trees is really a mosaic of different species groups. The objective of an afforestation/reforestation plan is to select the appropriate species and distribution pattern for a chose site that mimic natural patterns.

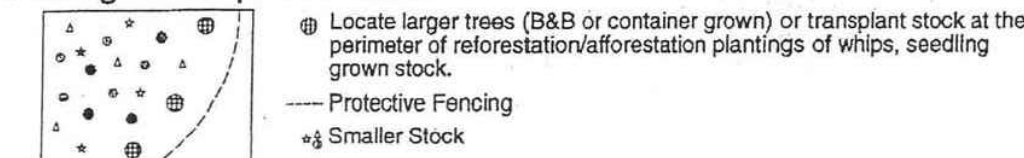
Source: Prince Georges County Woodland Conservation Manual.

Aggregate Distribution Drift



Source: EGR, Inc.

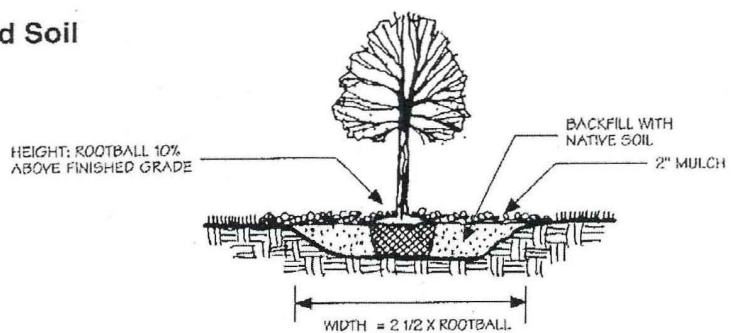
Mixing Transplant Stock



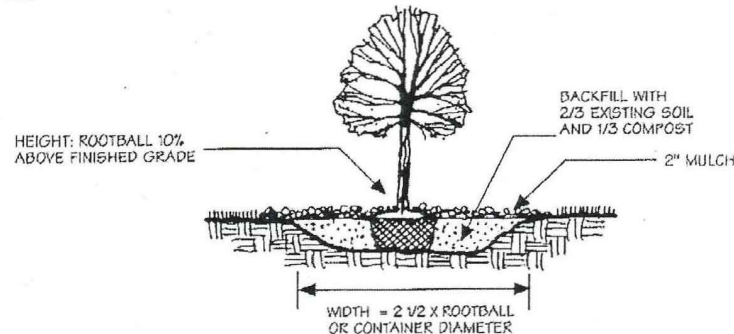
Source: Adapted from Forest Conservation Manual, 1991

Planting Distribution Patterns

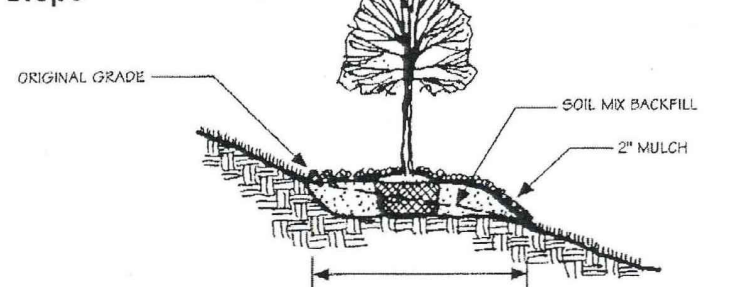
Undisturbed Soil



Disturbed Soil



Planting on Slope



Source: Adapted from Forest Conservation Manual, 1991

Container Grown and B&B Planting Techniques

August 2020

A-4.1-RET-14

TCPII
TREE CONSERVATION NOTES AND DETAILS

SANDY HILL PARK
BOWIE (14th) ELECTION DISTRICT
PRINCE GEORGE'S COUNTY, MARYLAND

CPJ Associates Charles P. Johnson & Associates, Inc.
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CLIENT:		TAX MAP/WSSC		SITE PLAN NO.	
MNCPPC DEPARTMENT OF PARKS AND RECREATION 6600 KENILWORTH AVENUE RIVERDALE, MARYLAND 20737 TELEPHONE: (301) 699-2441 CONTACT: FRANCIS KANG		N/A		N/A	
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UPDATES/REVISIONS :

MISS UTILITY

Call "Miss Utility" at 1-800-257-7777, 72 hours prior to the start of work. The excavator must notify all public utility companies with underground facilities in the area of proposed excavation and have those facilities located by the utility companies prior to commencing excavation.

The Maryland-National Capital
Park and Planning Commission

Prince George's County Department
of Parks and Recreation
6600 Kenilworth Avenue
Riverdale, Maryland 20737
(301) 699-2441
Contact: Francis Kang

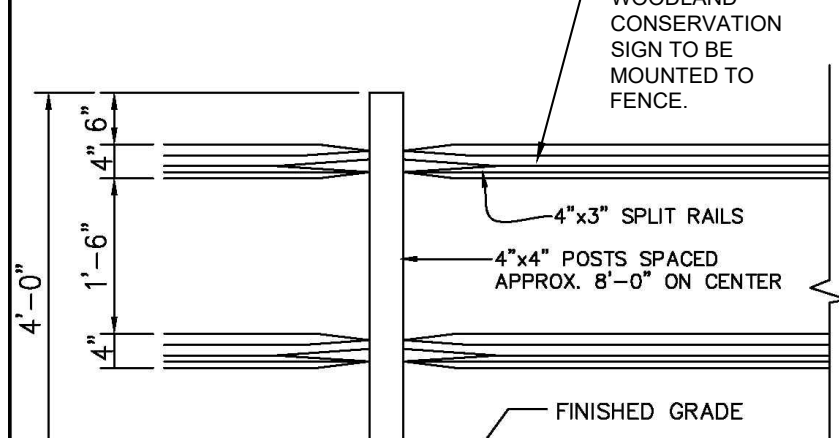
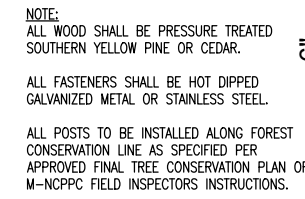
QUALIFIED PROFESSIONAL CERTIFICATION

TO THE BEST OF MY ABILITY AND KNOWLEDGE THIS PLAN COMPLIES WITH THE CURRENT REQUIREMENTS OF SUBTITLE 25 AND THE WOODLAND & IN TECHNICAL MANUAL.



SIGNED: CPJ & ASSOCIATES, INC. DATE: 9/24/2020
1751 ELTON ROAD, SUITE 500, SILVER SPRING, MD 20903
PHONE: 301-434-7000 EMAIL: JFETCHU@CPJA.COM

SCALE: 1" = 2'



1. POSTS SHALL STAND PLUMB.
2. RAILS SHALL BE HUNG WITH UNIFORM HEIGHT AND SPACING.
3. REFORESTATION SIGNS TO BE ATTACHED TO WOOD POSTS EVERY 100 FEET.
4. TOP OF SIGN TO BE FLUSH WITH TOP OF WOOD POST.
5. SIGNS TO BE ATTACHED USING 2 GALVANIZED WOOD SCREWS EACH WITH A GALVANIZED WASHER.

PERMANENT (SPLIT RAIL) TREE PROTECTION FENCE
FOR REFORESTATION AREAS (TPP)



PERMANENT TREE PROTECTION
FENCE SIGN

PERMANENT TREE PROTECTION
FENCE SIGN

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 MONTH) CONTROL OF UNDESIRABLE VEGETATION AS NEEDED (1X IN JUNE AND 1 X IN SEPTEMBER MIN.
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REINFORCEMENT PLANTING IS NEEDED (SEE NOTE 2)
SURVIVAL CHECK ONCE ANNUALLY (SEPTEMBER-NOVEMBER)
CONTROL OF UNDESIRABLE VEGETATION AS NEEDED (1X IN MAY AND 1 X IN AUGUST MIN.)

1. 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.

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

1. IF THE DEVELOPER OR BUILDER NO LONGER HAS AN INTEREST IN THE PROPERTY AND A 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 GEORGES'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.

2. 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.
3. 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 TOPS. THE USE OF ANY HERBICIDE SHALL BE DONE IN ACCORDANCE WITH THE LABEL INSTRUCTIONS.
4. 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.

Plant Schedule				
Quan.	Latin Name	Common Name	Size	Cond.
Site Stocking Area - 1 (0.20 Acre @ 366/1 Acre = 74 Trees)				
14	Acer rubrum	Red Maple	1" Cal.	5-7 Gal. +
12	Ilex opaca	American Holly	3-4" Ht.	5-7 Gal. +
12	Nyssa sylvatica	Black Gum	1" Cal.	5-7 Gal. +
12	Pinus virginiana	Virginia Pine	3-4" Ht.	5-7 Gal. +
12	Quercus velutina	Black Oak	1" Cal.	5-7 Gal. +
12	Sassafras albidum	Sassafras	1" Cal.	5-7 Gal. +
Site Stocking Area - 2 (0.28 Acre @ 366/1 Acre = 103 Trees)				
17	Acer rubrum	Red Maple	1" Cal.	5-7 Gal. +
17	Ilex opaca	American Holly	3-4" Ht.	5-7 Gal. +
18	Liquidambar styraciflua	Sweetgum	1" Cal.	5-7 Gal. +
17	Nyssa sylvatica	Black Gum	1" Cal.	5-7 Gal. +
17	Quercus velutina	Black Oak	1" Cal.	5-7 Gal. +
17	Sassafras albidum	Sassafras	1" Cal.	5-7 Gal. +
Seeding Equivalents Required: 336				
Seeding Equivalents Provided: 354				

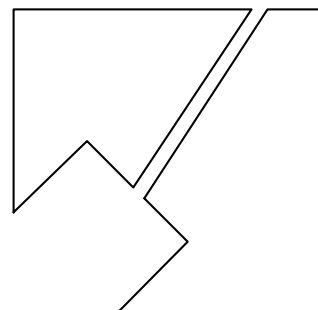
	Approved by	Date	DRD #	Reason for Revision
00	JPM	10/14/1993		
01	JPM	05/07/1996		
02	KF	04/16/2018		
03				Reduced Limit of Disturbance
04				
05				
06				
07				
08				

QUALIFIED PROFESSIONAL CERTIFICATION
TO THE BEST OF MY ABILITY AND KNOWLEDGE THIS PLAN COMPLIES
WITH THE CURRENT REQUIREMENTS OF SUBTITLE 25 AND THE
WOODLAND A  TECHNICAL MANUAL.



SIGNED: CPJA 3241 DATE: 9/24/2020
CPJ & ASSOCIATES, INC. JAMES M. FETCHU, RLA #3241
1751 ELTON ROAD, SUITE 300, SILVER SPRING, MD 20903
PHONE: 301-434-7000 EMAIL: JFETCHU@CPJA.COM

Call "Miss Utility" at 1-800-257-7777, 72 hours prior to the start of work. The excavator must notify all public utility companies with underground facilities in the area of proposed excavation and have those facilities located by the utility companies prior to commencing excavation.



The Maryland-National Capital Park and Planning Commission

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