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REVISIONS

01 MM-DD-YR NAME DESCRIPTION OF CHANGES

STATE OF MARYLAND. LICENSE NUMBER 4005, EXPIRATION DATE

				OCALL. I —	1000	
	SPECIMEN	TRFF LIST				
No.	Common Name	Species Name	DBH (h)	Condition	Preserved/ Removed	Preservation Comments
1	QUERCUS PHELLOS	WILLOW OAK	32"	GOOD	REMOVED	N/A
2	QUERCUS FALCATA	SOUTHERN RED OAK	31.5"	GOOD	REMOVED	N/A
3	LIRIODENDRON TULIPIFERA	TULIP POPLAR	35"	GOOD	RETAINED	ROOT PRUNE
4	LIRIODENDRON TULIPIFERA	TULIP POPLAR	36"	GOOD	RETAINED	ROOT PRUNE
5	QUERCUS PALUSTRIS	PIN OAK	30.5"	GOOD	RETAINED	ROOT PRUNE
6	LIRIODENDRON TULIPIFERA	TULIP POPLAR	46"	GOOD	RETAINED	N/A
7	LIQUIDAMBAR STYRACIFLUA	SWEET GUM	34"	GOOD	RETAINED	N/A
8	LIQUIDAMBAR STYRACIFLUA	SWEET GUM	38"	GOOD	RETAINED	N/A
9	LIRIODENDRON TULIPIFERA	TULIP POPLAR	35"	GOOD	RETAINED	ROOT PRUNE
10	LIQUIDAMBAR STYRACIFLUA	SWEET GUM	34"	GOOD	RETAINED	ROOT PRUNE
11	LIRIODENDRON TULIPIFERA	TULIP POPLAR	30"	GOOD	RETAINED	ROOT PRUNE
12	LIRIODENDRON TULIPIFERA	TULIP POPLAR	30"	GOOD	RETAINED	ROOT PRUNE
13	QUERCUS ALBA	WHITE OAK	31"	GOOD	RETAINED	N/A
14	QUERCUS RUBRA	RED OAK	30"	GOOD	RETAINED	N/A
15	LIRIODENDRON TULIPIFERA	TULIP POPLAR	30"	GOOD	RETAINED	N/A
16	LIRIODENDRON TULIPIFERA	TULIP POPLAR	34"	GOOD	RETAINED	N/A
17	LIRIODENDRON TULIPIFERA	TULIP POPLAR	36"	GOOD	RETAINED	N/A
18	LIRIODENDRON TULIPIFERA	TULIP POPLAR	30"	GOOD	RETAINED	N/A
19	QUERCUS PHELLOS	WILLOW OAK	42"	GOOD	RETAINED	ROOT PRUNE
20	QUERCUS PHELLOS	WILLOW OAK	40"	GOOD	REMOVED	N/A
21	QUERCUS PALUSTRIS	PIN OAK	42"	GOOD	REMOVED	N/A
22	QUERCUS PHELLOS	WILLOW OAK	42"	GOOD	RETAINED	ROOT PRUNE
23	QUERCUS FALCATA	SOUTHERN RED OAK	34"	GOOD	RETAINED	N/A

	GENERAL INFORMATION TABLE	
LAYER CATEGORY	LAYER NAME	LAYER NAME
ZONE	ZONING	R-55
ZONE	AVIATION POLICY AREA	6
ADMINISTRATIVE	TAX GRID	43-A2
ADMINISTRATIVE	WSSC GRID	207 & 208NE05
ADMINISTRATIVE	PLANNING AREA	2-69
ADMINISTRATIVE	ELECTION DISTRICT	19-RIVERDALE
ADMINISTRATIVE	COUNCILMANIC DISTRICT	3
ADMINISTRATIVE	GENERAL PLAN 2002 TIER	DEVELOPED
ADMINISTRATIVE	TRAFFIC ANALYSIS ZONE (TAZ-COG)	993
ADMINISTRATIVE	PG TRAFFIC ANALYSIS ZONE (TAZ-PG)	712

	for Governme		Conservation Wo ear Projects in F		e's County	
	Tor Governme	intal and Line	ar i rojects iii i	Tillice Georg	e s county	
	SECTION 1-Establishing Site Info	ormation				
1	Property Description or Name:	7	irt Middle School			
2	Project Location;	6200 Tuck	erman St, Rivero	dale, MD 207	37	
3	TCP2 Number:				Rev. No:	-01
4	NRI Number:	NRI-052-2	015		Rev. No:	-00
5	Zone:			R-55		
6	Gross Tract:			23.17	acres	
7	Project Area/Limits:			23.17	acres	
	SECTION 2-Determining Require	ements				
8	Existing Woodland in Project Lim	nits = WCT		3.40	or	14.67%
9	Woodland Cleared in Project Lim	nits		0.60		
10	Total area of woodland cleared (s	subject to 1:1	replacement)	0.60		
11	Off-Site Woodland Conservation	Provided (affe	orestation)	0.00		
12	Off-Site Woodland Conservation	Provided (pre	eservation)	0.00		
13	Woodland Conservation Require	Voodland Conservation Requirement:			acres	
	SECTION 3- Meeting the Require	ments		2.24	Г	
	Woodland Preserved			2.31		
	Afforestation /Reforestation				Bond amount:	\$ 8,494.20
	Natural Regeneration			0.00		
	Landscape Credit		0)	0.00		
	Speciment/Historic Tree Credit (0		U)	0.00		
	Forest Enhancement Credit (Area			0.00		
	Street Tree Credit (Existing or 10-			0.00		
	Prior Credit for Off-site Woodland Current Credit for Off-site Woodla			0.00		
				0.00		
	Off-site Woodland Conservation   Off-site Woodland Conseration p			0.00		
			servation)			60.00
	Area Approved for Fee-in-lieu/PF/				Fee amount:	\$0.00
20	Area Approved for Fee-in-lieu/non-PFA		0.00	Fee amount:	\$0.00	
	Woodland Conservation Provided	d		0.00	acres	

	_
WOODLAND SUMMARY TABLE (IN ACRES)	
WOODLAND PRESERVATION AREA 1: 0.89 AREA 2: 0.70 AREA 3: 1.29 TOTAL: 2.31	
REFORESTATION AREA A: 0.65 TOTAL:0 0.65	
WOODLAND RETAINED— NOT CREDITED TOTAL: 0.81	
WOODLAND RETAINED — ASSUMED CLEARED TOTAL: 0.02	
WOODLAND CLEARING TOTAL: 0.58	

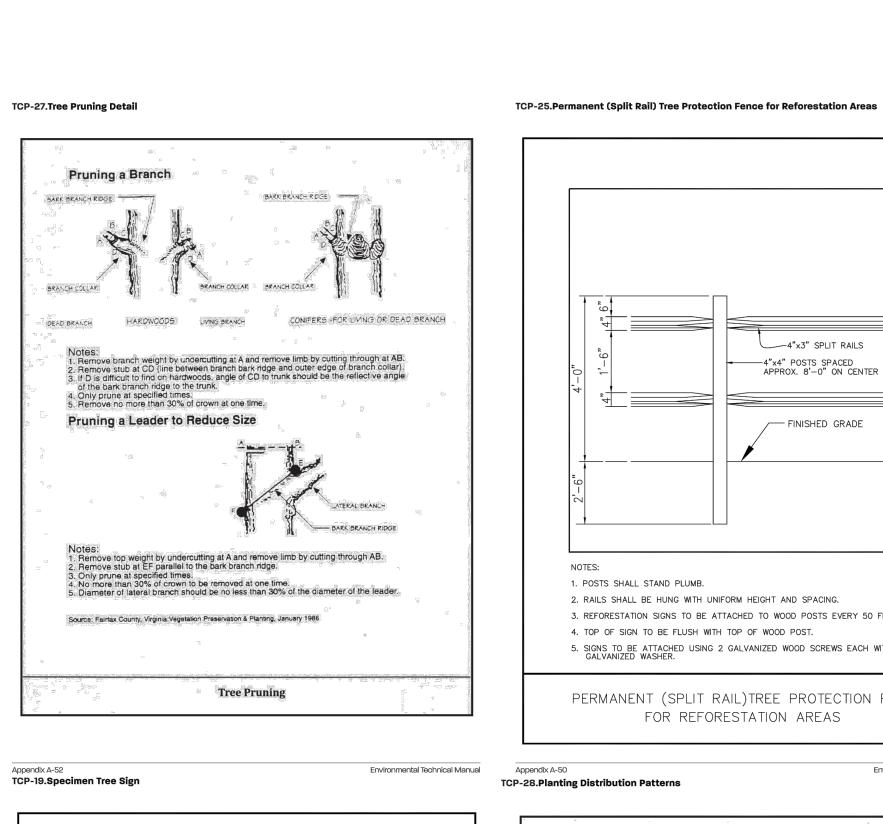
PROPERTY OWNERS AWARENESS O	CERTIFICATE
	SUITED CO CONTROL SUITED STATED FOR
WE PRINCE GEORGE'S COUNTY PUBLIC SCHOOLS HEREBY	ACKNOWLEDGE THAT WE AR
AWARE OF THIS TYPE 2 TREE CONSERVATION PLAN (TCP	2) AND THAT WE UNDERSTA
THE REQUIREMENTS AS SET FORTH IN	
In Madock	8130121
waan -	01 10121
OWNER OR OWNER'S REPRESENTATIVE	DATE

environmental TYPE 2 TREE C TCP2—0			
APPROVED BY	DATE	DRD#	REASON FOR REVISION
Mare Jula	10/6/2021		
V			

CR	LANDSCAPE ARCHITECT  Consulting Engineers, LLC  Whitehall Mill  3300 Clipper Mill Road, Suite 201  Baltimore, MD 21211  667-309-6193
PE 2 TREE CONSERVATION PLAN	PROJECT
	3134
OT SCALE:	

PROJECT TCP2-1.00.dwg September 27, 2021

WILLIAM WAS RIVERE



4"x3" SPLIT RAILS ----4"x4" POSTS SPACED
APPROX. 8'-0" ON CENTER FINISHED GRADE 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 50 FEET.. 4. TOP OF SIGN TO BE FLUSH WITH TOP OF WOOD POST. SIGNS TO BE ATTACHED USING 2 GALVANIZED WOOD SCREWS EACH WITH A GALVANIZED WASHER. PERMANENT (SPLIT RAIL)TREE PROTECTION FENCE FOR REFORESTATION AREAS

TCP-21.Temporary Fence Protection Detail for Woodland Preservation 8'-0" MAX. POST SPACING \* IN CERTAIN CIRCUMSTANCES FENCING MAY BE ERMITTED TO BE LOCATED AT THE DRIPLIN NOTES: (MUST BE INCLUDED WITH DETAIL) . Forest projection device ones. 2. Retention Area will be set as part of the review process. 5. Boundaries of Retention area should be staked and flagged prior to installing devices. PEVICE SHOULD BE PROPERLY MAINTAINED DURING CONSTRUCTION PROTECTIVE SIGNAGE IS ALSO REQUIRED. TEMPORARY FENCE PROTECTION DETAIL FOR WOODLAND PRESERVATION AREAS TCP-34.Tree Staking and Guying Specifications

TCP-26.Root Pruning Detail TREE PROTECTION FENCE FENCE WITHIN 1 FOOT OF TRENCH LINE 1 BACK OF LIMIT OF DISTURBANCE LINE Source: Maryland State Forest Conservation Technical Manual, 3rd Edition - 1997 1. RETENTION AREAS TO BE ESTABLISHED AS PART OF THE FOREST CONSERVATION 2. BOUNDARIES OF RETENTION AREAS SHOULD BE STAKED, FLAGGED AND/OR 3. EXACT LOCATION OF TRENCH SHOULD BE IDENTIFIED. 4. TRENCH SHOULD BE IMMEDIALTEY BACKFILLED WITH SOIL REMOVED OR OTHER HIGH 5. ROOTS SHOULD BE CLEANLY CUT USING VIBRATORY KNIFE OR OTHER ACCEPTABLE ROOT PRUNING Prince George's County Planning Department

──MIN. 11"── 4"x4" PRESSURE TREATED POST THREAD NAILS DO NOT DISTURB TREES FOR YOUR
FUTURE MIN. DEPTH 18" SIGNS SHOULD BE PROPERLY MAINTAINED.

AVOID INJURY TO ROOTS WHEN PLACING POSTS FOR THE SIGNS. 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 DEVICE 7. SIGNS SHOULD BE IN PLACE IMMEDIATELY FOLLOWING STAKE OUT OF L.O.D., AND REMAIN IN PLACE IN PERPETUITY. WOODLAND PRESERVATION AREA SIGN Appendix A-51 Appendix A-42

TCP-17.Woodland Preservation Area Sign

'---MIN. 11"---4"x4" PRESSURE TREATED POS \_ THREAD NAILS REFORESTATION PROJECT SHRUBS OR TREES IS PROHIBITED TREES FOR YOUR FUTURE 2'-0" MIN. DEPTH 18" 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 DEVICE. 5. 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 REFORESTATION AREA SIGN Environmental Technical Manual Prince George's County Planning Department

TCP-18.Reforestation Area Sign

PLANT SCHEDULE FOR RE/AFFORESTATION STOCK SPECIFICATION: 300 1" CAL. CONTAINER PER ACRE

			TOTA	L REFORES	TATION PR	ovided: <u>0.</u>	65 ACRES		
		SPECIES SELECTION					TOTAL		
AREA NAME	ACREAGE	RED MAPLE	BLACK GUM	PIGNUT HICKORY	WHITE OAK	S. RED OAK	BLACK OAK	AMERICAN HOLLY	NUMBER C CONTAINE
А	0.65	28	28	28	28	28	28	28	196
		•							

## ← MIN. 11" ← 4"x4" PRESSURE TREATED POST —— 3" GALV RING THRFAD NAILS SPECIMEN TREE DO NOT REMOVE MACHINERY, DUMPING, MATERIAL STORAGE OR SITE DISTURBANCE PROHIBITED TREES FOR YOUR FUTURE MIN. DEPTH 18" 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 5. SIGNS SHOULD BE INSTALLED AT SAME TIME AS TREE PROTECTION DEVICE. 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. SPECIMEN TREE SIGN

Months

Dependent Upon Site Conditions: Weekly Watering is Strongly Recommended From May Through October Unless Weekly Rainfall Equals 1.

Tree Planting and Maintenance Calendar

Recommended, Optimal time

Recommended

Recommended with Additional Care

Dependent Upon Site Conditions

n<sup>+</sup> Feb<sup>+</sup> Mar Apr May June July Aug Sep Oct Nov<sup>+</sup> Dec<sup>+</sup>

Appendix A-44

Minimum Monitoring

Fertilizer (if Needed)+

Water++

Pruning

0.000

TCP-29.Tree Planting and Maintenance Calendar

Typical Forest Tree Distribution Patterns \* \* \* \* Nonrandom Negative Association SPECIES 1 SPECIES 2 Naturally occurring populations of trees tend to be found in informal groupings. A cluster of tree 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 Source: Prince Georges County Woodland Conservation Manual. Aggregate Distribution Drift When used, plant cluster type groupings that taper or feather out along the edges. Clusters often appear as elongated or tear Mixing Transplant Stock Locate larger trees (B&B or container grown) or transplant stock at the perimeter of reforestation/afforestation plantings of whips, seedling grown stock. ---- Protective Fencing ಕ್ಕಿ Smaller Stock Source: Adapted from Forest Conservation Manual, 1991 Planting Distribution Patterns Environmental Technical Manual Prince George's County Planning Department

Typical Upright Staking Detail UPRIGHT STAKES ---2-3" SAUCER --- 2-3" MULCH Typical Tree Guying Detail HEIGHT: ROOTBALL 10% ABOVE FINISHED GRADE PLAN VIEW 2 STRANDS OF GALVANIZED WIRE TWISTED FOR SUPPORT \_\_\_\_\_ 1/8 DEPTH OF BALL 2-3" SAUCER 2-3"MULCH GUYING STAKE BACKFILL ORIGINAL GRADE Source: Adapted from Forest Conservation Manual, 1991 Container Grown and B&B Planting Techniques Tree Staking and Guying Specifications Appendix A-55 Prince George's County Planning Departmen

INVASIVE SPECIES REMVOAL NOTES noxious, or non-native plants is cut stump immediately a certified pesticide applicator. Appendix A-59

MANAGEMENT / INSPECTION SCHEDULE FOR INVASIVES IN TYPE CONSERVATION AREAS

RECOMMENDED PRACTICES FOR REMOVAL OF INVASIVES

INDIVIDUAL PLANTS ARE TO BE PULLED/CUT AND REMOVED FROM THE SITE. AN INTIAL TREATMENT OF

IMMEDIATELY AFTER CUTTING TO ENSURE ROOTKILL. A DYE SHOULD BE MIXED IN TO THE HERBICIDE SO

MAINTAINED AND THAT SEEDLINGS HAVEN'T BEEN DAMAGED. REMAINING INVASIVE PLANTS THAT HAVEN'T

ERATION OCCURS, DUE TO A PERSISTENT SOIL SEED BANK. REINFESTATION IS A CONTINUAL POSSIBILITY.

STEP 4 - IN MID TO LATE OCTOBER THOSE PLANTS FLAGGED SHOULD BE TREATED WITH TRICLOPYR. THIS WILL HELF

TRICLOPYR GARLON 4 MIXED AT 2% WITH WATER SHOULD BE SPRAYED DIRECTLY ON THE CUT STUMP

STEP 1 — DURING THE PLANTS DORMANT SEASON AND BEFORE THE GROWING SEASON BEGINS (APPROX. DEC.—FEB.).

STEP 2 — REPEAT STEP 1 IN JULY-AUGUST BEFORE FRUITS MATURE. CAREFULLY REMOVE DEBRIS WITHOUT

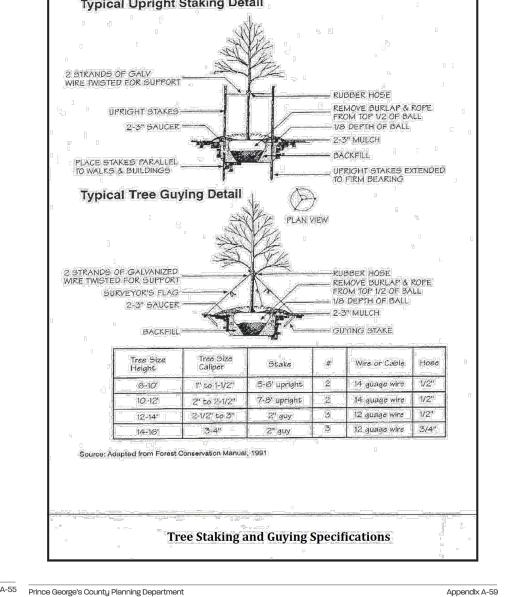
STEP 3 - IN SEPTEMBER, THIS AREA SHOULD BE MONITORED TO VERIFY THAT MINIMUM DENSITIES ARE BEING

STEP 5 — EVEN WITH THE COMPLETE REMOVAL AND ROOTKILL OF INVASIVES, SUBSTANTIAL SEEDLING REGEN—

STEP 6 — REFOREST CLEARED AREAS WITH SPECIFIED REFORSTATION PLANINGS (REFER TO REFORESTATION

TO COMBAT THIS IT IS NECESSARY TO REPEAT STEPS 2-4 FOR A TOTAL OF THREE YEARS.

RESPONDED TO THE HERBICIDES SHOULD BE FLAGGED AT THIS TIME.



a. Invasive plant removal shall be completed prior to afforestation planting and conform to the recommendations of the invasive plant removal notes and schedule shown on the plan prepared by Kevin C. Haines and included as part of this TCP 2 dated May 5 2021. b. 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. c. The use of broadcast spraying of herbicides is not permitted. However, the use of herbicides to discourage re-sprouting of invasive, if done as an application of the chemical directly to the following cutting of plant tops. The use of any herbicide shall be done in accordance with the label instructions and be applied by

 This plan is submitted to fulfill the woodland conservation requirements for grading permit. If grading permit expires, then this TCP2 also expires and is no longer valid. 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 A pre-construction meeting is required prior to the issuance of grading permits. The Department of Public Works and Transportation 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 implementation of woodland conservation measures shown on this plan will be discussed in detail. 4. 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. 5. The owners of the property subject to this tree conservation plan are solely responsible for conformance to the requirements contained herein.

Type II Tree Conservation Plan Notes

- 6. The property is within the Developed Tier and is zoned R-55. 7. The site is not adjacent to a roadway designated as scenic, historic, a scenic byway.
- 8. The site is not adjacent to a roadway classified as arterial or greater. TCP-14.Standard Type 2 Tree Conservation Plan 9. This plan is/is not grandfathered under CB-27-2010, Section 25-117 (g). <u>Tree Preservation & Retention Notes</u>
- 0. 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 lagged 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. These signs must remain in perpetuity.
- Removal of Hazardous Trees or Limbs by Developers or Builders . 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 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 bond release for the project, due to storm eventsor 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
- 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 Exper
- 9. 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
- 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 21. 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

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

- presented to the Grading Inspector and the county. 22. 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
- 23. 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.
- 24. 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
- 25. The county inspector shall be notified prior to soil preparation or initiation of any tree
- 26. 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. 27. 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

QUALIFIED PROFESSIONAL CERTIFICATION THIS TCP2 COMPLIES WITH THE CURRENT REQUIREMENTS OF THE PRINCE GEORGE'S COUNTY CODE AND THE ENVIRONMENTAL TECHNICAL MANUAL. SIGNED: DATE: 10-4-21 KEVIN C. HAINES HOLLY OAK CONSULTING, LLC 303 SYCAMORE RD SEVERNA PARK, MD 21146 PHONE: (443) 906-3419 KHAINE@HOLLYOAKCONSULTING.COM

Planting Specification Notes

2. Type: (See Plant Schedule)

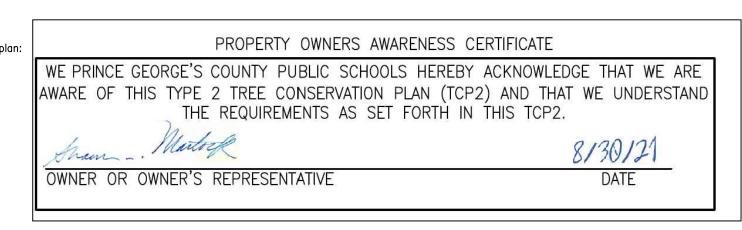
periodic watering, until the time of planting.

- 3. 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/fibrous roots shall be present. Plants that do not have an abundance of well developed terminal buds on the leaders and
- 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
- 4. 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.
- 5. 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. 6. 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 7. 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. 8. 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. 9. Soil Improvement Measures: the soil shall then be improved according to the recommendations made
- by the testing company. 10. 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. 11. Planting method: Consult the Planting Detail(s) shown on this plan.
- 12. Mulching: Apply two—inch thick layer of woodchip or shredded hardwood mulch (as noted) to each plating site (see detail shown on this plan).
- 13. Groundcover 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.
- 14. Mowing: No mowing shall be allowed in any planting area.
- 15. 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.
- 16. Source of Seedlings: To be determined prior to planting and MNCPPC to be informed.

<u>Four—Year Management Plan for Re/Afforestation Areas</u> 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 (1 x in June and 1 x in September 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: Reiforcement planting if needed. (See Note 2) <u>Survival check</u> (September -November)
  - 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. 2. Reinforcement Planting: Replace dead or missing plants in sufficient quantity to bring the total number of live plants to at least 75% of the number originally planted. If a particular species suffers unusually high mortality, replace with an alternative plant type. 3. 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



PRINCE GEORGE'S COUNTY F ENVIRONMENTAL TYPE 2 TREE C TCP2—(	. PLANNING S	ECTION	CPPC
APPROVED BY	DATE	DRD#	REASON FOR REVISION
Marc Juba	10/6/2021		



I CERTIFY THAT THESE DOCUMENTS ME AND THAT THAT I AM A LICENSED PROFESSIONAL LANDSCAPE STATE OF MARYLAND, LICENSE NUMBER 4005, EXPIRATION DATE

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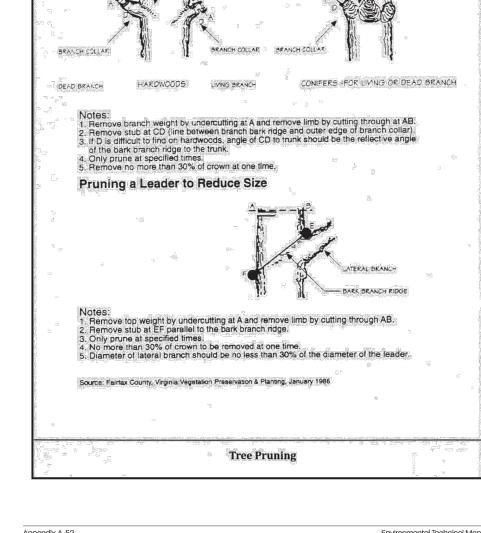
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01 MM-DD-YR NAME DESCRIPTION OF CHANGES

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**TYPE 2 TREE CONSERVATION** PLAN **AS SHOWN** TCP2-1.01.dwg August 18, 2021



TCP-28.Planting Distribution Patterns

Environmental Technical Manual Appendix A-46 TCP-30.Container Grown and B&B Planting Techniques

**Undisturbed Soil** Disturbed Soil Planting on Slope

Source:Adapted from Forest Conservation Manual, 1991

Appendix A-53 Prince George's County Planning Department

TCP-35.Site Stocking

Number Required | Approximate Spacing | Survivability Requirement per Acre feet on center At the end of the secon Bare Root Seedlings or 75% | 375 10 x 10 Seedling Tubes (Minimum Cavity 12 x 12 2, 3 Gallon 7 Gallon or Caliper B & B ontainer Grown 15, 25 Gallon or 1.5 - 2" Caliper B & B 20 x 20 These stocking and survival requirements are the minimum numbers estimated to meet the definition of forest from bare land. In certain circumstances, any combination of the above mentioned stocking options, dry Notes:
1. Activities during November through February depend on ground conditions.
2. No fall planting of oaks and pines.
3. The planting and care of trees is most successful when coordinated with the local conditions. This calendar summarizes some of the recommended time frames for basic reforestation and the procedure of the seeding, tree shelters, transplants, and/or natural regeneration may be appropriate strategies to fulfill the requirements of an approved TCP. They will be evaluated on a case-by-case basis by the approving authority. Spacing does not imply that trees or shrubs must be planted in a grid pattern. Source: Adapted from For Conservation Manual, 199 Site Stocking

Environmental Technical Manual Appendix A-60

Environmental Technical Manua

WOODY PLANT INVASIVE SPECIES REMOVAL SCHEDULE SPECIES TO BE REMOVED REMOVAL METHODS CALLERY PEAR (PYRUS CALLERYANA) CUT AT STUMP & HERBCIDE APPLIED TO STUMP AUTUMN OLIVE (ELAEGNUS UMBELLATA) | WILD PRIVET (LIGUSTRUM VULGARE) TREE OF HEAVEN (AILIANTHUS ALTISSIMA)

AS TO MARK STUMPS HERBICIDE WAS APPLIED.

ENDANGERING NATIVE VEGETATION.

TO FURTHER REDUCE THE POPULATION.

SCHEDULES - THIS SHEET)

PRESCRIBED HERBICE GLYPHOSPHATE OR TRICLOPYR CUT AT STUMP & HERBCIDE APPLIED TO STUMP | GLYPHOSPHATE OR TRICLOPYR CUT AT STUMP & HERBICIDE APPLIED TO STUMP | GLYPHOSPHATE OR TRICLOPYR | CUT AT STUMP & HERBICE APPLIED TO STUMP | GLYPHOSPHATE OR TRICLOPYR

pruning and/or cutting of trees.

a. 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

b. 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. c. 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 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. d. 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

<u>Protection of Reforestation and Afforestation Areas by Individual Homeowners</u> a. Reforestation fencing and signage shall remain in place in accordance with the approved Type 2 Tree

b. 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.