

- expires, then this TCP2 also expires and is no longer valid.
- 2. Cutting or clearing woodlands not in conformance with this plan or without the expressed written consent of the Planning Director or designee shall be subject to a \$9.00 per square foot mitigation fee. 3. A pre-construction meeting is required prior to the issuance of grading permits. The Department of Permitting, Inspections and Enforcement (DPIE), 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. 6. The property is within the Environmental Strategy Area ESA-3 (formerly the Rural) Tier and is zoned
- AG formerly O-S. 7. The property is adjacent to Brandywine Road and North Keys Road which are designated Scenic and
- <u>Historic</u> roadways. 8. The site is not adjacent to a roadway classified as arterial or greater.

9. This plan is not grandfathered by CB27-2010, Section 25-119(g).

Tree Preservation and Retention Notes 10. 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.
- 11. Tree and woodland conservation methods such as root pruning shall be conducted as noted on this
- 12. 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. 13. 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
- 14. Woodland preservation areas shall be posted with signage as shown on the plans at the same time as the temporary TCF installation. These signs must remain in perpetuity. Removal of Hazardous Trees or Limbs by Developers or Builders
- 15. 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. 16. 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 trees has a potential to fall and strike a structure,
- parking area, or other high use area and result in personal injury or property damage. 17. 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 becut 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.
- 18. 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. a. 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 photographs shall be submitted to the inspector for documentation of the
- b. 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.
- c. 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 invasive plant species are to be removed by the permitted: 19. Invasive plant removal shall be completed prior to December 2024 and conform to the recommendation of the invasive plant removal plan shown on the plan prepared by John P. Markovich dated January 9, 2023.

- 20. The removal of noxious, invasive, and non-native plant species shall be done with the use of handheld equipment only such as pruners or a chain saw. These plants may be cut near the ground and the material less than two inches diameter may be removed from the area and disposed of appropriately. All material from these noxious, invasive, and non-native plants greater than two (2) inches diameter shall be cut to allow contact with the ground, thus encouraging decomposition.
- . The use of broadcast spraying of herbicides is not permitted. However, the use of herbicides to discourage re-sprouting of invasive, noxious or non-native plants is permitted if done as an application of the chemical directly to the cut stump immediately following cutting of plant tops. The use of any herbicide shall be done in accordance with the label instructions and be applied by a certified pesticide

POST DÉVELOPMENT NOTES When woodlands and/or specimen, historic or champion trees are to remain:

- 22. 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. 23. If a tree or portion thereof are in imminent danger of striking a structure, parking area, or other high use areas 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. 24. 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. 25. 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 plant 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
- 26. 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. 27. 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.

Project Name: 10602 NORTH KEYS ROAD – TCP2-047-2022 INVASIVE SPECIES MANAGEMENT PLAN

SCOPE OF PLAN: THE REMOVAL OF INVASIVE SPECIES IDENTIFIED IN STAND A TO REDUCE THE AMOUNT OF INVASIVE SPECIES TO LESS THAN TWENTY PERCENT OF THE HERBACEOUS LAYER PER THE REQUIREMENTS OF THE ENVIRONMENTAL TECHNICAL MANUAL.

THE MAJORITY OF THE INVASIVE SPECIES ARE JAPANESE HONEYSUCKLE. JAPANESE STILTGRASS WITH SOME ASIAN BITTERSWEET IN THE UNDERSTORY WITH THE VINES ENTENDING INTO THE CANOPY. THESE SPECIES ARE GENERALLY LOCATED SOUTHERN HALF

REDUCTION OF INVASIVES SPECIES IN THE HERBACEOUS LAYER TO 5 PERCENT OR LESS MAY QUALIFY FOR ADDITIONAL WOODLAND CONSERVATION CREDIT WITH THE APPROVAL OF THE ENVIRONMENTAL PLANNING SECTION.

- SITE EVALUATION PRIOR TO CONTROL MEASURE INITIATION

 1. AFTER THE LIMIT OF DISTURBANCE HAS BEEN ESTABLISHED IN THE FIELD, ALL AREAS OF THE PROJECT SITE WHERE INVASIVE VEGETATIVE SPECIES CONTROL WILL BE IMPLEMENTED SHALL BE EVALUATED BY, OR UNDER THE SUPERVISION OF, A CERTIFIED ARBORIST OR OTHER APPROPRIATELY QUALIFIED PROFESSIONAL TO DETERMINE QUANTITIES AND EXTENT OF SPECIFIC PLANT SPECIES TO BE CONTROLLED AND TO ASSIGN APPROPRIATE CONTROL MEASURES TO SITE SPECIFIC
- PLANT SPECIES ARE MOST EASILY IDENTIFIED ONCE LEAF OUT HAS OCCURRED AND PRIOR TO LEAF DROP IN THE FALL. THE INITIAL SITE EVALUATION MAY TAKE PLACE AT ANY TIME DURING THE GROWING SEASON, IN CONJUNCTION WITH DETERMINATION AND MARKING OF THE LIMIT OF DISTURBANCE IN THE FIELD.

BEST MANAGEMENT PRACTICES

- THE RECOMMENDED GUIUDIANCE FOR BMPS FOR INVASIVE SPECIES REMOVAL ARE THOSE FOUND IN "BEST MANAGEMENT PRACTICES FOR CONTROL OF NON-NATIVE INVASIVES" (2009 OR MOST RECENT REVISION) PREPARED BY THE NATURAL RESOURCES STEWARDSHIP SECTION, PARK PLANNING AND RESOURCE STEWARDSHIP DIVISION, MONTGOMERY COUNTY DEPARTMENT OF PARKS, M-NCPPC AND CAN BE FOUND AT:
- http://www.montgomeryparks.org/PPSD/Natural_Resources_Stewardship/Veg_Management/doc uments/nni-bestmanagementpractices-jan2015.pdf

- PRIOR TO BEGINNING INVASIVE CONTROL, IDENTIFY AREAS OF EACH PLANT TO BE ERADICATED. UTILIZE A LICENSED HERBICIDE APPLICATOR AND OBTAIN APPROVAL FOR USE OF HERBICIDES.
- PER THE SPECIFIC CONTROL METHODS FOR EACH SPECIES, THERE ARE SEASONAL REQUIREMENTS FOR APPLICATION OF CONTROLS THAT WILL MAXIMIZE SUCCESSFUL IMPLEMENTATION OF CONTROL MEASURES WHICH SHOULD BE TAKEN INTO ACCOUNT WHEN THE SITE EVALUATION IS PERFORMED. THESE REQUIREMENTS SHALL BE DETERMINED BY THE QUALIFIED PROFESSIONAL AND IMPLEMENTED BY A MARYLAND LICENSED HERBICIDE APPLICATOR.
- 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 OR TO THE HERBACEOUS PLANT. THE USE OF ANY HERBICIDE SHALL BE DONE IN ACCORDANCE WITH THE LABEL INSTRUCTIONS AND BE APPLIED BY A MARYLAND
- CERTIFIED PESTICIDE APPLICATOR. CARE SHALL BE TAKEN NOT TO DAMAGE TRUNKS OF TREES AND NATIVE VEGETATION. ONLY HAND TOOLS SHOULD BE USED TO AVOID UNNECESSARY DISTURBANCE TO
- NATIVE VEGETATION AND SOIL MOTORIZED WHEELED EQUIPMENT USED FOR HAULING SHALL NOT BE DRIVEN INTO THE FOREST AREA; IT SHOULD BE PARKED IN THE OPEN AREAS ADJACENT TO THE
- AREAS WHERE INVASIVE SPECIES ARE BEING CONTROLLED. ALL INVASIVE SPECIES CONTROL WORK SHALL BE DONE BY OR UNDER THE SUPERVISION OF A CERTIFIED ARBORIST OR APPROPRIATE LICENSED/QUALIFIED
- ALL CUT VEGETATIVE MATERIAL LESS THAN 2" DIAMETER SHALL BE BAGGED AND DISPOSED OF IN THE LANDFILL: ALL MATERIAL GREATER THAN 2" DIAMETER SHALL BE CUT TO ALLOW CONTACT WITH THE GROUND, THUS ENCOURAGING DECOMPOSITION; MULCHING OF MATERIALS IS NOT PERMITTED ON-SITE AND NOT RECOMMENDED OFF-

SUBSEQUENT SITE EVALUATIONS

- THE SITE SHOULD BE EVALUATED ONCE MONTHLY ONCE CONTROL MEASURES HAVE BEEN INITIATED EACH GROWING SEASON. BETWEEN APRIL AND NOVEMBER OF EACH YEAR, TO MONITOR SUCCESS OF CONTROL MEASURES AND DETERMINE
- RECOMMENDATIONS FOR FURTHER ACTION BASED ON FIELD CONDITIONS. ALL SITE EVALUATIONS SHOULD BE PERFORMED BY, OR UNDER THE SUPERVISION OF, A CERTIFIED ARBORIST OR OTHER APPROPRIATELY QUALIFIED PROFESSIONAL WRITTEN REPORTS OF SITE CONDITIONS FOUND DURING EACH SITE EVALUATION ALONG WITH RECOMMENDATIONS FOR FURTHER ACTION, SHOULD BE PREPARED BY THE SITE EVALUATOR WHICH SHOULD THEN BE SUBMITTED TO, REVIEWED, AND APPROVED BY THE SITE INSPECTOR

PROPOSED MAINTENANCE PLAN

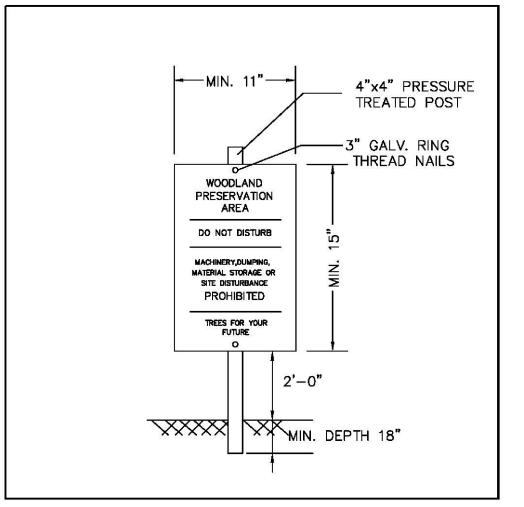
- MAINTENANCE SHOULD OCCUR BETWEEN MARCH NOVEMBER FOR A MINIMUM OF 4 YEARS. AFTER 2 YEARS THE SITE SHOULD BE EVALUATED FOR SUCCESS OF INVASIVES CONTROL AND MONITORED ANNUALLY UNTIL ALL INVASIVES HAVE BEEN SUCCESSFULLY ERADICATED TO A LEVEL OF LESS THAN 20 PERCENT. SINCE INVASIVES LIKELY OCCUR ON ADJACENT PROPERTIES. IT IS LIKELY THAT THE SITE WILL REQUIRE CONTINUOUS MONITORING TO ENSURE ADEQUATE INVASIVES
- INVASIVE PLANT REMOVAL SHALL BE COMPLETED PRIOR TO COMPLETION OF THE 4 YEAR MAINTENANCE AND MANAGEMENT PLAN AND CONFORM TO THE RECOMMENDATIONS OF THIS INVASIVE PLANT REMOVAL PLAN

CONTROL OF THE JAPANESE STILTGRASS IS NOT FEASIBLE WITHOUT WATERSHED WIDE CONTROL OF ALL UPSTREAMS AREAS SINCE THIS IS AN ANNUAL THAT GROWS FROM SEEDS CARRIED BY ANIMALS AND FLOOD WATERS AND THIS SPECIES IS PRIMARILY LOCATED WITH THE FLOODPLAIN ON THIS PROPERTY. THEREFORE, EFFORTS SHOULD CONCENTRATE ON

PREPARED BY JOHN P MARKOVICH Qualification: LICENSED FORESTER #153

January 9, 2023

THE ASIAN BITTERSWEET IN THE CANOPY.



Net Tract (Acres)

On-Site Woodland

and Planting (Acres)

Fee-In-Lieu Amount

50' Stream Buffers

50' Stream Buffers

On-site Wooded

Bond Amount

Linear Length

Linear Length

Off-Site Woodland

Required (Acres)

Provided (Acres)

Off-Site Woodland

Conservation Credits

Conservation Credits

Acreage

Easement/Preservation

Floodplain in Easement

Conserved (Preservation)

Conserved (Preservation) -

50' Stream Buffers Newly

Established (Afforestation)

50' Stream Buffers Newly

Established (Afforestation)

Site (Acres)

Existing Woodland (Acres)

Woodland Cleared (Acres)

Woodland Planted On-Site

Woodland Retained On-

- 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. 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.

WOODLAND PRESERVATION AREA SIGN

Number

(-01)

Cumulative

Change

Revision

Number

(-02)

Forest Conservation Act Reporting Information (Change Table)

Original

Approval

4.88

4.46

1.56

2.84

0.00

2.84

0.00

0.00

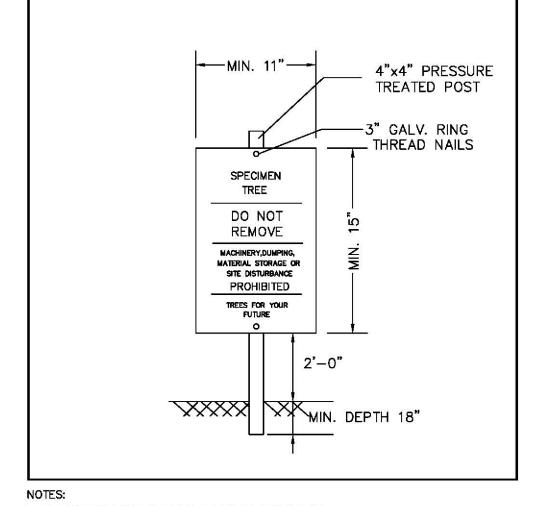
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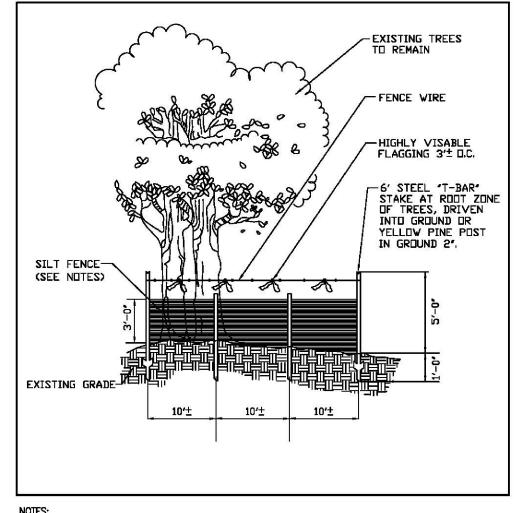
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- 1. ATTACHMENT OF SIGNS TO TREES IS PROHIBITED.
- 2. SIGNS SHOULD BE PROPERLY MAINTAINED. 3. AVOID INJURY TO ROOTS WHEN PLACING POSTS FOR THE SIGNS.
- 4. SIGNS SHOULD BE POSTED TO BE VISIBLE TO ALL CONSTRUCTION PERSONNEL FROM ALL DIRECTIONS.
- 5. SIGNS SHOULD BE INSTALLED AT SAME TIME AS TREE PROTECTION DEVICE. 6. LOCATE SIGNS APPROXIMATELY EVERY 50 FEET ALONG FENCING.

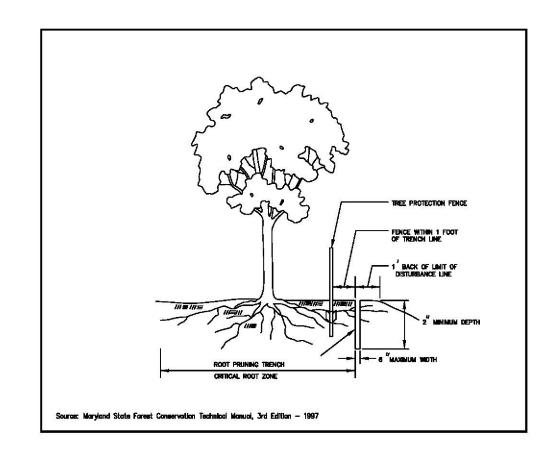
SPECIMEN TREE SIGN

7. SIGNS SHOULD BE IN PLACE IMMEDIATELY FOLLOWING STAKE OUT OF L.O.D., AND REMAIN IN PLACE IN PERPETUITY.



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

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



- 1. RETENTION AREAS TO BE ESTABLISHED AS PART OF THE FOREST CONSERVATION PLAN REVIEW PROCESS.
- 2. BOUNDARIES OF RETENTION AREAS SHOULD BE STAKED, FLAGGED AND/OR FENCED PRIOR TO TRENCHING.
- 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 EQUIPMENT.

ROOT PRUNING

Fertilization of Specimen Tree #9 and #10 is not proposed since the trees are located off-site and owner authorization would be required. Specimen Tree #9 will have 33% of the CRZ impacted by the proposed grading and Specimen Tree #10 will have 35% of it's CRZ impacted by the proposed grading.

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

Sharyn Jordan Sharyn Jordan QUALIFIED PROFESSIONAL CERTIFICATION This complies with the current requirements of Subtitle 25 and

John P. Markovich JM Forestry Services, LLC 11552 Timberbrook Drive Waldorf, MD 20601 Phone: 301-751-4888 EMail: JPMarkovich@comcast.net

the Environmental Technical Manual



Prince George's County Planning Department, M-NCPPC **Environmental Planning Section** TREE CONSERVATION PLAN APPROVAL

TCP2-047-2022 DRD# Reason for Revision Date 00 Revision 4-10-2023 Jusanne H. Mickle 01 Revision 02 Revision 03 Revision 04 Revision 05 Revision

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DWN Checked JPM Project No.

21-002 Sheet No 2 of 2