

Project Name: MOUNT OAK ESTATES - TCP2-031-2010-01 **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 AND ASIAN BITTERSWEET IN THE UNDERSTORY AND MANY OF THE VINES ENTENDING INTO THE CANOPY INCLUDING GRAPE VINES. THE JAPANESE STILTGRASS IS GENERALLY LOCATED IN THE OPEN AREA WHILE THE OTHER SPECIES ARE IN THE WOODLAND AREA.

SITE EVALUATION PRIOR TO CONTROL MEASURE INITIATION

- 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 AREAS.
- 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

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/documents/nni

INITIATION OF CONTROL MEASURES

-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
- 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
- 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 PROFESSIONAL.
- 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-SITE.

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 CONTROL.
- INVASIVE PLANT REMOVAL SHALL BE COMPLETED PRIOR TO COMPLETION OF THE 4 YEAR MAINTENANCE AND MANAGEMENT PLAN AND CONFORM TO THE RECOMMENDATIONS OF THIS

CONTROL OF THE JAPANESE STILTGRASS IN THE AFFORESTATION AREAS MAY BE DONE BY MOWING PERIODICALLY UNTIL ERADITION IS ACCOMPLISHED SINCE THIS SPECIES IS GENERALLY ONLY LOCATED IN THE OPEN AREA. DAMAGE TO PLANTED TREES SHALL BE AVOIDED.



Qualification: LICENSED FORESTER #153

01/22/2021

Date

1 inch = 2,000 feetStandard Woodland Conservation Worksheet for Prince George's County SECTION I-Establishing Site Information- (Enter acres for each zone 2 Gross Tract: 3 Floodplain: 4 Previously Dedicated Land: 5 Net Tract (NTA): 6 TCP Number Revision # 7 Property Description or Subdivision Name: Mount Oak Estates, Lot 52 (Foremerly Lot 2A) 8 Is this site subject to the 1989 or 1991 Ordinance 9 Is this site subject to the 1991 Ordinance 10 Subject to 2010 Ordinance and in PFA (Priority Funding Area) N 11 Is this one (1) single family lot? (Y or N) 12 Are there prior TCP approvals which include a 13 combination of this lot/s? (Y or N) 14 Is any portion of the property in a WC Bank? (Y or N) 15 Break-even Point (preservation) = 16 Clearing permitted w/o reforestion= SECTION II-Determining Requirements (Enter acres for each corresponding colum Floodplain Impacts (1:1) 17 Existing Woodland 18 Woodland Conservation Threshold (WCT) = 19 Smaller of 17 or 18 20 Woodland above WCT 21 Woodland cleared 22 Woodland cleared above WCT (smaller of 16 or 17) 23 Clearing above WCT (0.25 : 1) replacement requirement 24 Woodland cleared below WCT 25 Clearing below WCT (2:1 replacement requirement) 26 Afforestation Required Threshold (AFT) = 20.00% 27 Off-site WCA being provided on this property

28 Woodland Conservation Required SECTION III-Meeting the Requirements (Enter acres for each corresponging column 29 Woodland Preservation 3 Bond amount: \$ 1,698.84 30 Afforestation / Reforestation 31 Natural Regeneration 32 Landscape Credits 33 Specimen/Historic Tree Credit (CRZ area * 2.0) 34 Forest Enhancement Credit (Area * .25) 35 Street Tree Credit (Existing or 10-year canopy coverage) 36 Area approved for fee-in-lieu O Fee amount: 37 Off-site Woodland Conservation Credits Required 38 Off-site WCA (preservation) being provided on this property 39 Off-site WCA (afforestation) being provided on this property 40 Woodland Conservation Provided

41 Area of woodland not cleared 42 Net tract woodland retained not part of requirements: 0.00 acres 43 100-floodplain woodland retained 0.00 acres 44 On-site woodland conservation provided 0.89 acres 45 On-site woodland conservation alternatives provided 0.00 46 On-site woodland retained not credited 0.00 acres

47 Prepared by:

Woodlands preserved, planted or regenerated in fulfillment of Woodland Conservation requirements on-site have been placed in a Woodland and Wildlife Habitat Conservation Easement recorded in the Revisions to the TCP2 may Prince George's County Land Records at Book require a revision to the recorded easement.

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QUALIFIED PROFESSIONAL CERTIFICATION This complies with the current requirements of Subtitle 25 and the Environmental Technical Manual

JM Forestry Services, LLC

11552 Timberbrook Drive Waldorf, MD 20601 Phone: 301-751-4888 EMail: JPMarkovich@comcast.net

TCP2-031-2010 DRD# Reason for Revision 00 Revision Katina Shoulars 1/26/2011 NA Revision to LOD and Mary A Rea NA 02 Revision 03 Revision 04 Revision 05 Revision

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

Checked JPM ' = 30' Project No. 20-048 Sheet No. 1 of 2

- 1. This plan is submitted to fulfill the woodland conservation requirements for a <u>Building Permit</u>. If the
- Building Permit 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 \$1.50 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 Developing Tier (Environmental Strategy Area ESA-2) and is zoned R-A. 7. The site is not adjacent to a roadway designated as scenic, historic, a parkway or a scenic byway.
- 8. The site is not adjacent to a roadway classified as arterial or greater. 9. This plan is 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 plan. 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 TCP2. 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, dving 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 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.
- 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 Year 4: 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 damage. 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.

- 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. 20. 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 No planting shall be done while the ground is frozen. Planting with larger caliper stock or containerized stock may be done at any time provided a detailed maintenance schedule is provided.
- 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 will occur during the next planting season. A copy of that document shall be presented to the county
- and the removal of noxious, invasive and non-native vegetation within the reforestation areas is acceptable. 23. All required temporary tree protection fencing shall be installed prior to the clearing and grading of the site
- The temporary fencing is not required to be installed if the permanent fencing is installed prior to the 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 perpetuity.
- 25. The county inspector shall be notified prior to soil preparation or initiation of any tree planting on this site. 26. At time of issuance of the first permit, the following information shall be submitted to the M-NCPPC
- 27. Result of annual survival check for each of the required four years after tree planting shall be reported to
- the M-NCPPC, Planning Department. 28. Failure to establish the afforestation or reforestation within the prescribed time frame will result in the
- foot penalty unless the county inspector approves a written extension.

29. Quantity: (See Plant Schedule)

- 31. Plant Quality Standards: The plants selected shall be healthy and sturdy representative 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
- a. Plants that do not have an abundance of well developed terminal buds on the leaders and branches
- b. 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.
- c. 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 ans shall be maintained through
- 32. 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

AFFORESTATION AREA #1

1-1.5"

1-1.5"

- 33. 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 soils is moist, but may be planted from March through November. No planting shall be done while the 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.
- 34. 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 shall 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 hold 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 contracted and give his approval before planting may begin.
- 35. 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.
- 36. 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 on soil sample for each area that appears to have a different soil type (if the entire area appears uniform, then only on 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.
- 37. Soil Improvement Measures: the soil shall then be improved according to the recommendations made by
- 38. 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
- 39. Planting method: Consult the Planting Detail(s) shown on this plan.
- 40. Mulching: Apply two-inch thick layer of woodchip or shredded hardwood mulch (as noted) to each planting site (see detail shown on this plan).
- 41. 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. 42. Mowing: No mowing shall be allowed in any planting area.
- 43. 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.
- 44. Source of Seedlings: state name, address, and phone number of nursery or supplier.

Four-Year Management Plan for Re/Afforestation Areas Field check the re-afforestation area according to the following schedule:

- 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 minimum) 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 minimum) Reinforcement planting if needed (See Note 2) Survival check (September – November)
- 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. 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 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 needed basis. When the use of fee-in-lieu is proposed:

45. All required fee-in-lieu payments shall be made to the Woodland Conservation Fund. Proof of deposit shall be provided prior to issuance of any permits related to this TCP2 unless the project is phased. Phased projects shall pay the fee-in-lieu amount for each phase prior to the issuance of any permit for that phase and shown in the fee-in-lieu breakdown on this TCP2.

- When invasive plant species are to be removed by the permitted 46. Invasive plant removal shall be completed prior to issuance of a use and occupancy permit and conform to the recommendation of the invasive plant removal plan shown on the plan prepared by JM Forestry
- Services, LLC (John P. Markovich) dated January 15, 2021. 47. The removal of noxious, invasive, and non-native 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.
- 48. 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 applicator.

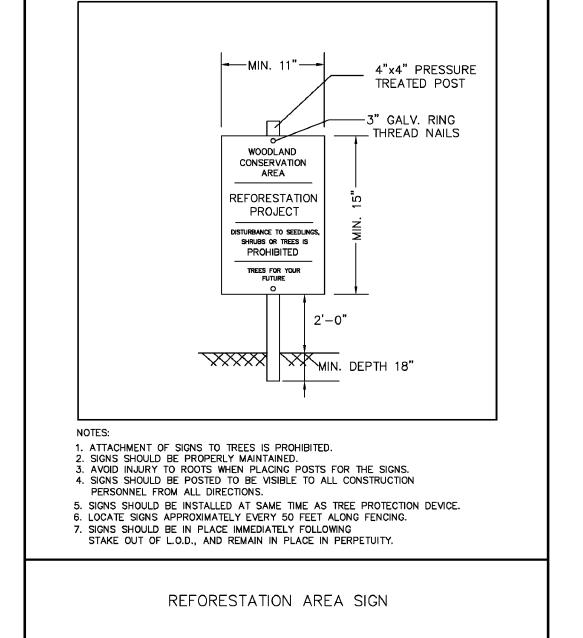
POST DEVELOPMENT NOTES When woodlands and/or specimen, historic or champion trees are to remain:

- 49. 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.
- 50. 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.
- 51. 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.
- 52. 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 decomposition. 53. 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. 54. 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.

Protection of Reforestation and Afforestation Areas by Individual Homeowners 55. Reforestation fencing and signage shall remain in place in accordance with the approved Type 2 Tree

- Conservation Plan
- 56. 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.



August 2010

3. Boundaries of Retention Area will be established as part of the forest conservation plan review

4. Boundaries of Retention Area should be staked and flagged prior to installing device.

Typical Forest Tree Distribution Patterns

SPECIES 1

-- Protective Fencing

Planting Distribution Patterns

#& Smaller Stock

ource: Prince Georges County Woodland Conservation Manual.

Aggregate Distribution Drift

Mixing Transplant Stock

ource: Adapted from Forest Conservation Manual, 19

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SPECIES 2

Docate larger trees (B&B or container grown) or transplant stock at the perimeter of reforestation/afforestation plantings of whips, seedling grown stock.

Note;
When used, plant cluster type groupings that taper or feather out along the edges.
Clusters often appear as elongated or tear

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

6. Device should be properly maintained throughout construction.

1. Silt fence to be heeled into the soil.

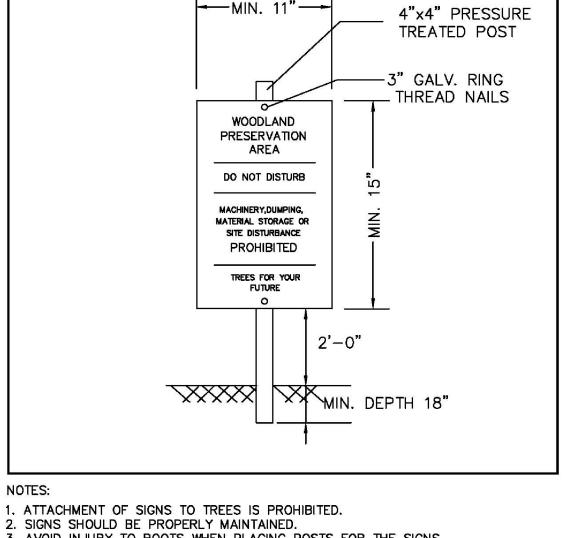
Wire, snow fence, etc. for tree protection only.

5. Avoid root damage when placing anchor posts.

Locate fence outside the Critical Root Zone.

7. Protection signs are also required, see Figure C-4.

TCP-28.Planting Distribution Patterns



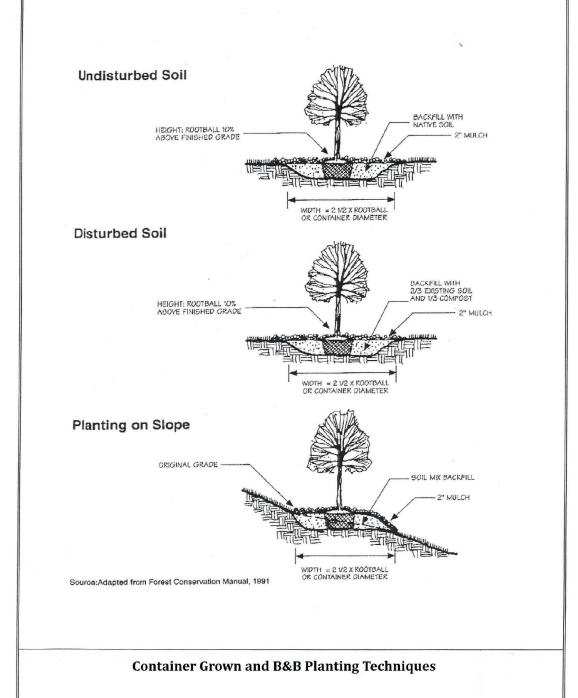
A-4, DET-2

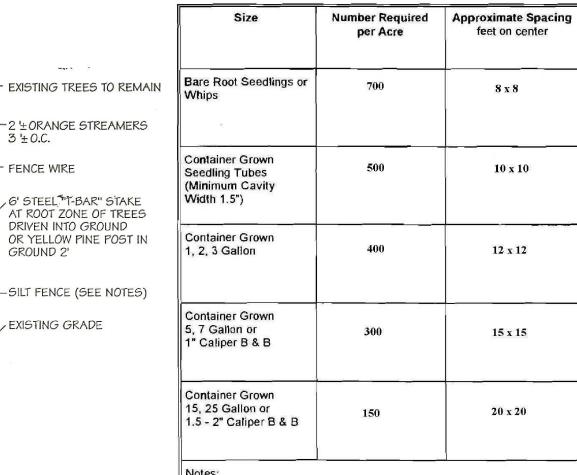
FENCE WIRE

GROUND 2'

EXISTING GRADE

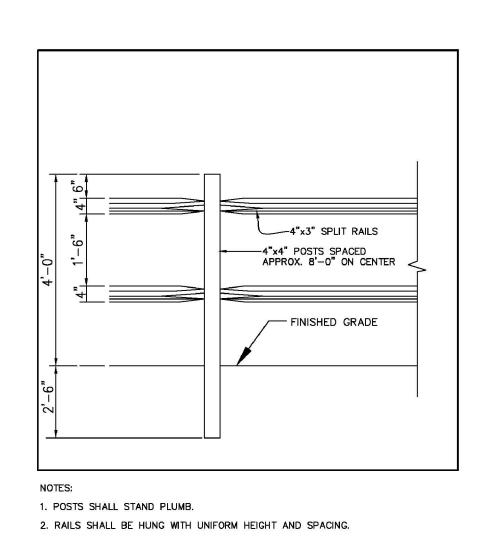
- ATTACHMENT OF SIGNS TO TREES IS PROHIBITED.
- 3. AVOID INJURY TO ROOTS WHEN PLACING POSTS FOR THE SIGNS. 4. SIGNS SHOULD BE POSTED TO BE VISIBLE TO ALL CONSTRUCTION PERSONNEL FROM ALL DIRECTIONS.
- 5. SIGNS SHOULD BE INSTALLED AT SAME TIME AS TREE PROTECTION DEVICE. 6. LOCATE SIGNS APPROXIMATELY EVERY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





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 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.

Site Stocking



3. REFORESTATION SIGNS TO BE ATTACHED TO WOOD POSTS EVERY 50 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

01/22/2021 Kevin Emah

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

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

TCP2-031-2010 DRD# Reason for Revision 00 Revision Katina Shoulars 1/26/2011 NA Revision to LOD and 01 Revision house footprint 02 Revision 03 Revision 04 Revision 05 Revision

Prince George's County Planning Department, M-NCPPC

Environmental Planning Section

TREE CONSERVATION PLAN APPROVAL

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

Survivability

Requirement

growing season

75%

75%

75%

85%

100%

the end of the second

525

375

255

150

the Environmental Technical Manual

John P. Markovich

300 Σ REVISIONS

Se

PLICANT / DEVELOPE

Emah Black Foot Cour ille, MD 20705

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0.13 Reforestation Percent of

Large Caliper Planting Stock **Botanical Name** Caliper | Height | Credits/Unit 2.33 25.6% Pin Oak Quercus palustris 2.33 25.6% Yellow Poplar 1-1.5" Liriodendron tulipifera 2.33

2.33

Reforestation Units Provided Total Reforestation Units Required

B&B

B&B

Shortage

Upland Plantings

25.6%

23.1% 100.0%

Afforestation and Reforestation Notes 19. All afforestation and reforestation bonds, based on square footage, shall be posted with the county prior to

adjacent to the proposed planting area.) Seedling planting is to occur from November through May only.

indicating that they understand that the reforestation area is located on their property and that reforestation 22. Reforestation areas shall not be mowed. The management of competing vegetation around individual trees

and shall remain in place until the permanent tree protection fencing is installed with the required planting.

Planning Department regarding the contractor responsible for implementation of this plan: Contractor name, business name (if different), address, and phone number.

forfeiture of the reforestation bond and/or a violation of this plan including the associated \$9.00 per square Planting Specification Notes

30. Type: (See Plant Schedule)

shall be rejected

periodic watering, until the time of planting.

Platanus occidentalis Sycamore Redbud Cercis Canadensis

" = 30'20-048