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			Preservation	Afforestation													
1	Off-Site	Off-Site	Area	Area	Recordation												
1	Preservation	Afforestation	Available	Available	Information	Benefiting			Approval								
	(acres) 2:1	(acres) 1:1	(acres)	(acres)	(Liber/Folio)	TCP2	Benefiting Property	Reviewer	Date								
			11.26	0.00													

Signed:

John P. Markovich JM Forestry Service 11552 Timberbrook Waldorf, MD 2060 Phone: 301-645-497 E-mail: jpmarkovic

f Plan Prince George's 2035 prepared by W.L. Meekins, Inc. phic data as downloaded from the NRCS Web Soil Survey (WSS) in lished for the subject site only and is from floodplain studies prepared 05 and FPS-201103) approved on atters of a small stream at the confined within the stream buffer. try Services, LLC on August 25, fined in COMAR 26.23.06.01. R 26.08.02.04. ed by the MD DNR. based on a review of the SSPRA				RTIN RD	LETCHER RD	MOLLIN BERRAL RO NUMUOR BADENRO	OPER JM Forestry Services, LLC	Phone/FAX: (301) 645-4977
T.36 ac	1 Zone: 2 Gross Trace 3 Floodplain: 4 Previously 5 Net Tract (N 6 TCP Numb 7 Property De 8 Is this site 9 Is this one 10 Are there p 11 combination 12 Is any portial 13 Break-even 14 Clearing pe SECTION II Secondand 15 Existing We 16 Woodland 17 Smaller of 18 Woodland 20 Woodland 21 Clearing at 22 Woodland 23 Clearing be 24 Afforestation 25 Off-site WC 26 Woodland 27 Woodland 28 Afforestation 29 Natural Reg 30 Landscape 30 Specimen/ 31 Forest Enh	Establishing Site Info t: Dedicated Land: UTA): er escription or Subdivisi subject to the 1989 Or (1) single family lot? (rior TCP approvals wh n of this lot/s? (Y,N) on of the property in a Point (preservation) = ermitted w/o reforestion Determining Require Dodland Conservation Threshof 13 or 14 above WCT cleared cleared above WCT (so pove WCT (0.25 : 1) re cleared below WCT cleared below WCT cleared below WCT cleared below WCT cleared below WCT cleared nequired A being provided on th Conservation Require Preservation n / Reforestation generation Credits Historic Tree Credit ((rea Credit (Existing or 10) ved for fee-in-lieu/PFA ved for fee-in-lieu/PFA ved for fee-in-lieu/non odland Conservation	dinance?(Y/N) (,N) ich include a WC Bank? in= ments (Enter acres for eac Id (WCT) = Id (ach zone) O-S 84.83 11.58 0.00 73.25 13119 Martin Ro N 13119 Martin Ro N 13119 Martin Ro A 13119 Martin Ro A 0.00 A Column A Column A Colu	0.00 0.00 Rev Dad Woodland Co es es es column) Dlumn B Col Net Tract Floc 0.00	0.00 ision # 0 onservation Bank umn C Column D odplain Off-Site 11.1) Inpacts (1:1) 11.26 0.00 0.00 0.00 amount: \$ - mount: \$0.00	atural Resource Inventory and BRKT Investments, LLC	Type 2 Tree Conservation Plan 2309 Twin Valley Lane Silver Spring, MD 20906 Phone: 301-873-8109
ac) dited - 0.63 ac) a - 11.26 ac)	 37 Off-site WC 38 Woodland 39 Area of woodland 40 Net tract woodland 41 100-floodpl 42 On-site woodlands 43 On-site woodlands 57.36 acres of on 9.17 acres of on 0.73 acres of use of flood Woodlands predon-site have been on-site have been	A (afforestation) being Conservation Provided bodland not cleared bodland retained not p lain woodland retained odland conservation p bodland conservation p bodland retained not cr viding off-site Woodland Pre ff-site Afforesation (8.8 off-site Afforesation (8.8 off-site Natural Rege off-site Woodland Pre dplain is specifically	art of requirements: rovided edited nd Conservation mitigation iservation on the net tract an iservation Area on the net is servation in the Floodplain permitted. egenerated in fulfillment dland and Wildlife Habita ds at Book P easement. Prince Geo Env	rrea, d 0.32 acres in th tract, and which maybe us t of Woodland C at Conservation	es es es es es e floodplain), ed for projects wi onservation req Easement recor Revisions to the CPPC y Planning E Planning Sec OVAL	here the juirements ded in the e TCP2 may Department tion	13119 Martin Road Woodland Conservation Bank	- 11th ELECTION DISTRICT PRINCE GEORGE'S COUNTY, MARYLAND
o (GRKT Investments, LLC) here his Type 2 Tree Conservation Pla e requirements as set forth in th JJJJJJJJJJJJJJJJJJJJJJJJJJJJJJJJJJJJ	in (TCP2) and his TCP2. 11/21, Da ION	that we /2017 ate	01 Revision 02 Revision 03 Revision Prince George's County Environment TREE CONSERV	Kim A. A y Planning Depa ental Planning So ATION PLAN 2-034-2017 Date	rtment, M-NCP	Date ///2//2017 PC Reason for Revision ///2//2017		Checked
P. Markovich Date: 11/2 es, LLC k Drive 01 77 ch@comcast.net	1/2017	01 Revision02 Revision03 Revision04 Revision05 Revision					JPM Scale Project No. 1	JPM = 200' 7-026 1 of 2

Standard Type 2 Tree Conservation Plan Notes

- 1. This plan is submitted to fulfill the woodland conservation requirements for WC Bank. If WC
- Bank 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
- 3. 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 preconstruction 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 ESA-3 formerly the Rural Tier and is zoned O-S.
- 7. The site is not adjacent to a roadway designated as scenic, historic, a parkway or a scenic byway.
- 8. The property is not adjacent to a roadway classified as arterial or greater.

9. This plan is/is not grandfathered by CB27-2010, Section 25-119(g). Afforestation and Reforestation Notes

- 10. 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
- 11. 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 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.
- 12. 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 county inspector.
- 13. 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.
- 14. 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 the clearing and grading of the site. Failure to install and maintain temporary or permanent tree protective fencing is a violation of this TCP2.
- 15. 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.
- 16. The county inspector shall be notified prior to soil preparation or initiation of any tree planting on this site.
- 17. 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. 18. Result of annual survival check for each of the required four years after tree planting shall be
- reported to the M-NCPPC, Planning Department. 19. 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

20. Quantity: (See Plant Schedule)

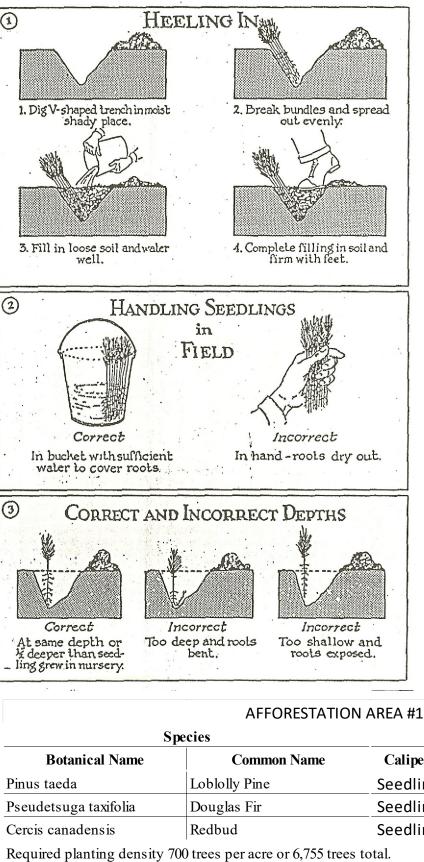
21. Type: (See Plant Schedule)

- 22. 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 present. a. Plants that do not have an abundance of well developed terminal buds on the leaders and
 - branches shall be rejected. 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 periodic watering, until the time of planting.
- 23. 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.
- 24. 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.
- 25. 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.
- 26. 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.
- 27. 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. 28. Soil Improvement Measures: the soil shall then be improved according to the recommendations made by the testing company.
- 29. 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.
- 30. Planting method: Consult the Planting Detail(s) shown on this plan.
- 31. Mulching: Apply two-inch thick layer of woodchip or shredded hardwood mulch (as noted) to each planting site (see detail shown on this plan).
- 32. 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.
- 33. Mowing: No mowing shall be allowed in any planting area. 34. 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.
- 35. 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:

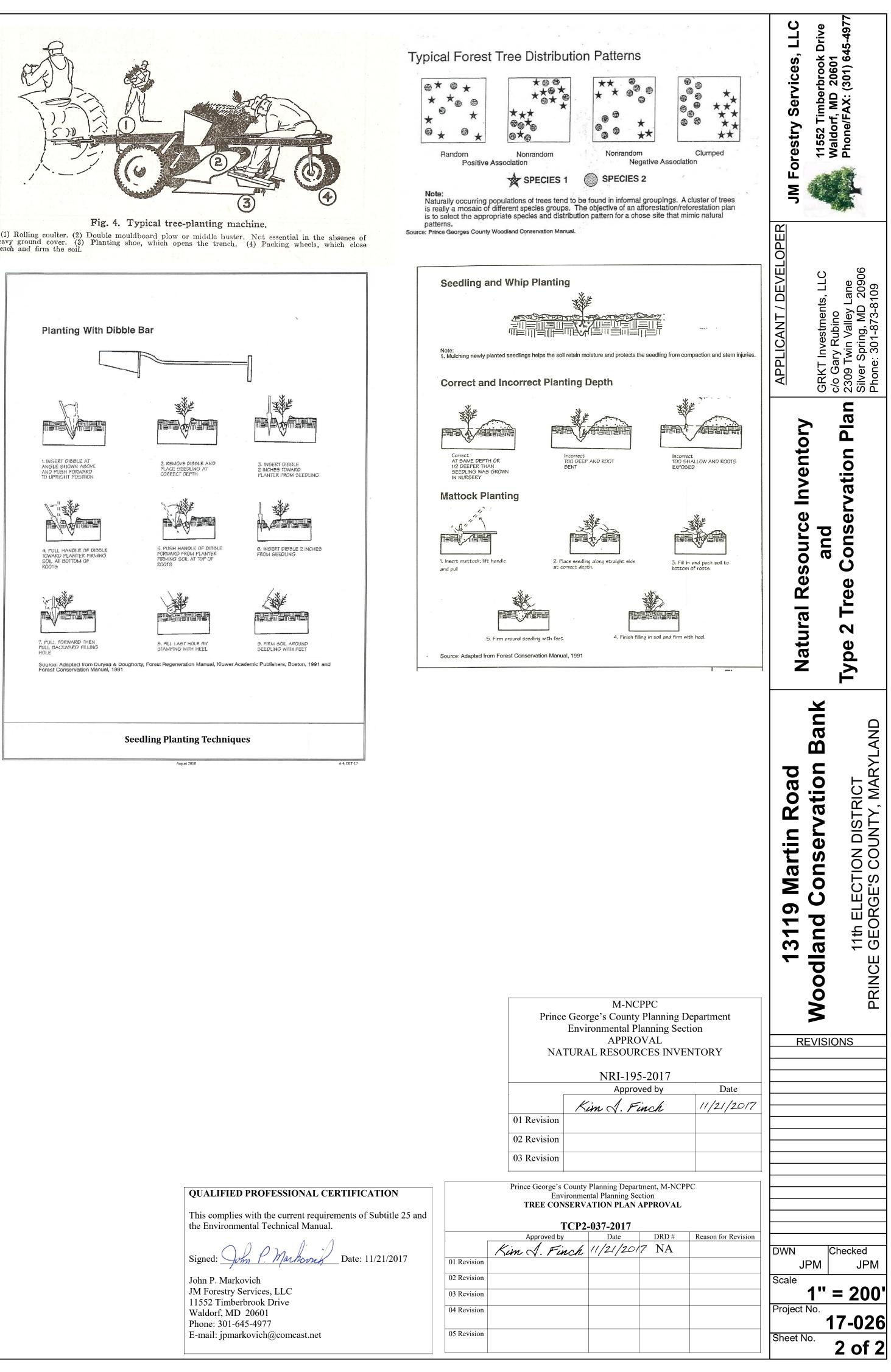
Year 1:

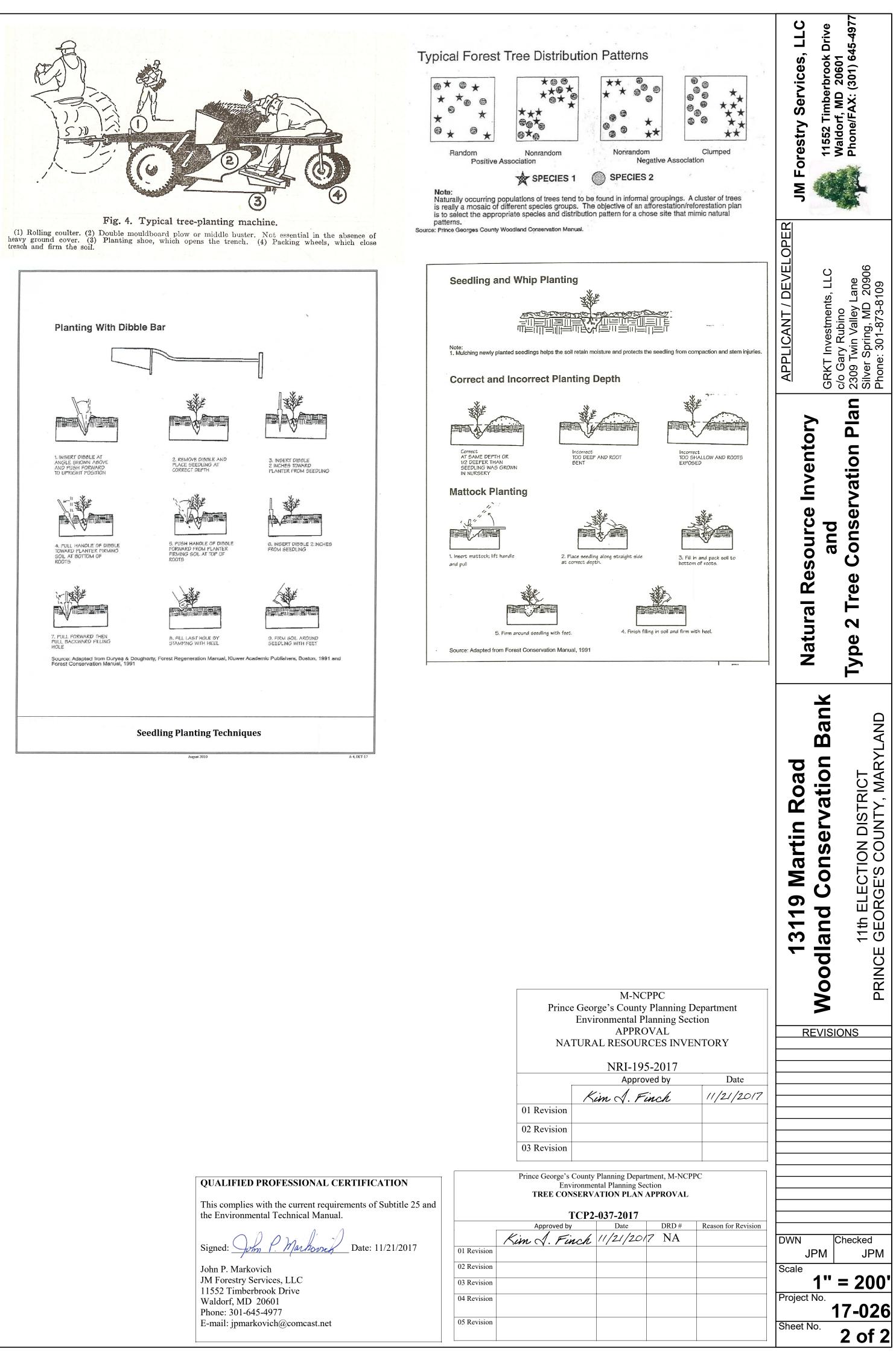
- Site preparation and tree planting Survival check once annually (September-November) see Note 1 Watering is needed (2 x month)
- Control of undesirable vegetation as needed (1 x in June and 1 x in September minimum) Year 2-3: Reinforcement planting is needed (See Note 2)
- Survival check once annually (September-November)
- Control of undesirable vegetation if needed (1 x in May and 1 x in August minimum) Year 4: 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.



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Size	Number Required per Acre	Approximate Spacing feet on center	Survivability Requirement At the end of the second growing season		
Bare Root Seedlings or Whips	700	8 x 8	75%	525	
Container Grown Seedling Tubes (Minimum Cavity Width 1.5")	500	10 x 10	75%	375	
Container Grown 1, 2, 3 Gallon	400	12 x 12	75%	300	
Container Grown 5, 7 Gallon or 1" Caliper B & B	300	15 x 15	85%	255	
Container Grown 15, 25 Gallon or 1.5 - 2" Caliper B & B	150	20 x 20	100%	150	
2. In certain circum seeding, tree she to fulfill the requi basis by the appr	st from bare land. stances, any combinatio lters, transplants, and/or rements of an approved oving authority.	s are the minimum number n of the above mentioned s r natural regeneration may TCP. They will be evaluat bs must be planted in a grid	stocking optio be appropriat ed on a case	пs, dry e strategies	
	Site Sto	ocking	<u>_</u>		





AFFORESTATION AREA #1							9.17	Upland Plai	ntings
Species			Large Caliper Planting Stock			ReforestationPercent of			
Botanical Name	Common Name	Caliper	Height	Credits/Uni	t Type	Quantity	Credits	Stocking	
Pinus taeda	Loblolly Pine	Seedling		1	Seedling	6,250	6,250	65.1%	
Pseudetsuga taxifolia	Douglas Fir	Seedling		1	Seedling	3,250	3,250	33.9%	
Cercis canadensis	Redbud	Seedling		1	Seedling	100	100	1.0%	100.0%
Required planting density 700 trees per acre or 6,755 trees total.				Reforest	ation Units	Provided	9,600		
Required survival rate of 75% or 525 trees per acre (5,067 trees total)			Total Reforestation Units Required			6,419			
						Excess	3,181		