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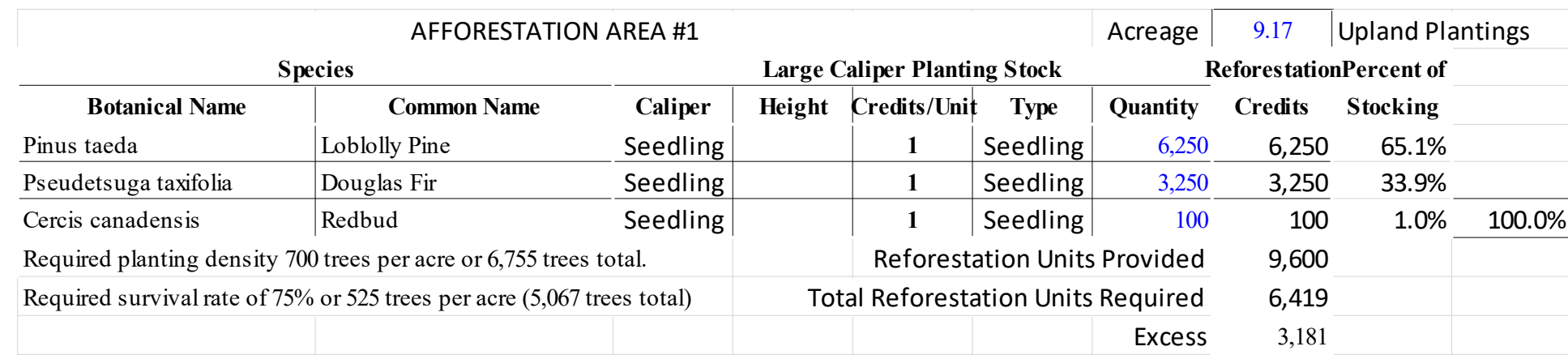
DWN	Checked
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1. This plan is submitted to fulfill the woodland conservation requirements for WC Bank. If WC Bank expires, then this TCP2 also expires and is no longer valid.
2. Cutting or clearing woodlands not in conformance with this plan or without the expressed written consent of the Planning Director or designee shall be subject to a \$9.00 per square foot mitigation fee.
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 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 ESA-3 formerly the Rural Tree 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).

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 longer.
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)* Seeding 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 separate agreement 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 project: contractor name, address, 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.

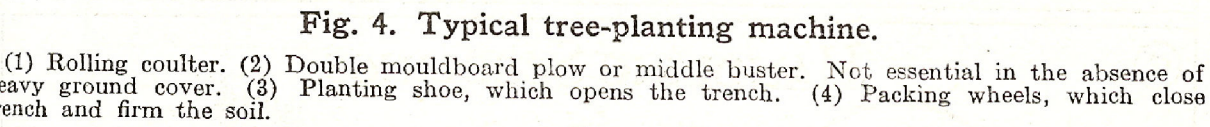
20. Quantity: (See Plant Schedule)
21. Type: (See Plant Schedule)
22. Plant Quality Standards: The plants selected shall be healthy and sturdy representative of their species. Seedlings must have a minimum top growth of 18". The diameter of the root collar (the part of the root just below the seedling) 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 roots moist, protected from direct exposure to sun and wind by the use of straw, peat moss, compost, or other suitable material and shall be maintained through periodic watering, until the time of planting.
23. Plant Holdings: 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 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-shoot 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 hold which would allow the roots to dry out. See plant schedule for further explanation. If the contractor wishes to plant by another method, the preparer of this tree conservation plan must be contacted and give his approval before planting may begin.
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 test results shall be used to provide 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 the 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 from the soil testing.
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 number of plants that survive is less than 75%, 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.

Year 1:	<p>Site preparation and tree planting</p> <p>Survival check once annually (September-November) see Note 1</p> <p>Watering is needed (2 x month)</p>
Year 2-3:	<p>Control of undesirable vegetation as needed (1 x in June and 1 x in September minimum)</p> <p>Reinforcement planting is needed (See Note 2)</p> <p>Survival check once annually (September-November)</p> <p>Control of undesirable vegetation if needed (1 x in May and 1 x in August minimum)</p>
Year 4:	<p>Reinforcement planting if needed (See Note 2)</p> <p>Survival check (September – November)</p>
1.	<p>Survival Check: Check planted stock against plant list (or as-bought) 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.</p>
2.	<p>Reinforcement Planting: Replace dead or missing plants in sufficient quantity to bring the total number of live plants to 100% of the number originally planted. If a particular species suffers unusually high mortality, replace with an alternative plant type.</p>
3.	<p>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.</p>

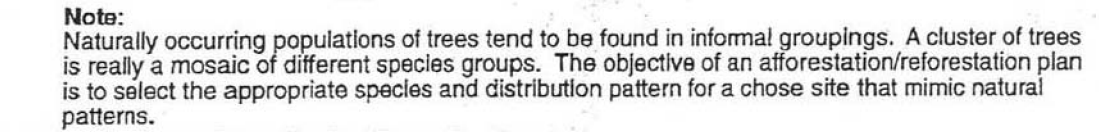


- Notes:
1. These stocking and survival requirements are the minimum numbers estimated to meet the definition of forest from bare land.
2. In certain circumstances, any combination of the above mentioned stocking options, dry seeding, tree shelters, transplants, and/or natural regeneration may be appropriate strategies to fulfill the requirements of an approved TCP. They will be evaluated on a case-by-case basis by the approving authority.
3. Spacing does not imply that trees or shrubs must be planted in a grid pattern.

Large Caliper Planting Stock			Acreage	9.17	Upland Plantings
Height	Credits/Type	Type	Quantity	Credits	Percent of Stocking
	1	Seedling	6,250	6,250	65.1%
	1	Seedling	3,250	3,250	33.9%
	1	Seedling	100	100	1.0%
Reforestation Units Provided				9,600	
Total Reforestation Units Required				6,419	
				Excess	3,181



(1) Rolling coulters. (2) Double mouldboard plow or middle buster. Not essential in the absence of heavy ground cover. (3) Planting shoe, which opens the trench. (4) Packing wheels, which close trench and firm the soil.



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 chosen site that mimic natural patterns.

Correct
AT SAME DEPTH OR
NO DEEPER THAN
ROOT BALL DEPTH

Incorrect
TOO DEEP AND ROOT
BENT

Incorrect
TOO SHALLOW AND ROOTS
EXPLODED

1. Insert mulch: lift handle and pull
2. Place seedling along straight side as correct depth.
3. Fill in and pack soil to bottom of roots.

13119 Martin Road

**Natural Resource Inventory
and
Type 2 Tree Conservation Plan**

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DWN JPM	Checked JPM
Scale 1" = 200'	
Project No. 17-026	
Sheet No. 2 of 2	

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TCP2- -2017			
Approved by	Date	DRD #	Reason for
		NA	

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