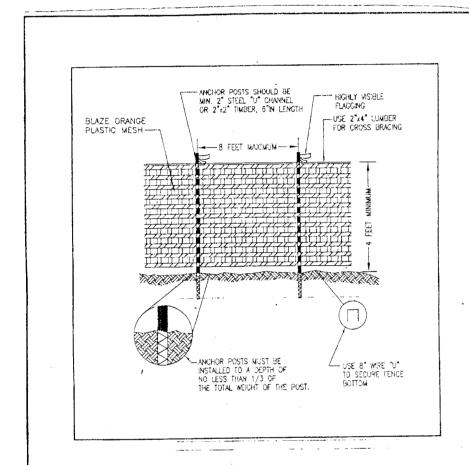


1. RETENTION AREAS TO BE ESTABLISHED AS PART OF THE FOREST CONSERVATION 2. BOUNDARIES OF RETENTION AREAS SHOULD BE-STAKED; FLAGGED AND/OR FENCED PRIOR TO TRENCHING. 4. TRENCH SHOULD BE IMMEDIALTEY BACKFILLED WITH SOIL REMOVED OR OTHER HIGH 5. ROOTS SHOULD BE CLEANLY CUT USING VIBRATORY KNIFE OR OTHER ACCEPTABLE

ROOT PRUNING



TES: (MUST BE INCLUDED WITH DETAIL)

1. FOREST PROTECTION DEVICE ONLY.
2. RETENTION AREA WILL BE SET AS PART OF THE REMEW PROCESS.
3. BOUNDARIES OF RETENTION AREA SHOULD BE STAKED AND FLAGGED PRIOR TO INSTALLING DEVICES.
4. AVOID ROOT DANASE WHEN PLACING ANCHOR POSTS.
5. CEMICE SHOULD BE PROPERLY MAINTAINED DURING CONSTRUCTION
6. PROTECTIVE SIGNAGE IS ALSO REQUIRED.

TYPE 1 (TEMPORARY) TREE PROTECTION FENCE DETAIL FOR WOODLAND PRESERVATION AREAS

GENERAL NOTES

To include with all Type 2 TCPs:

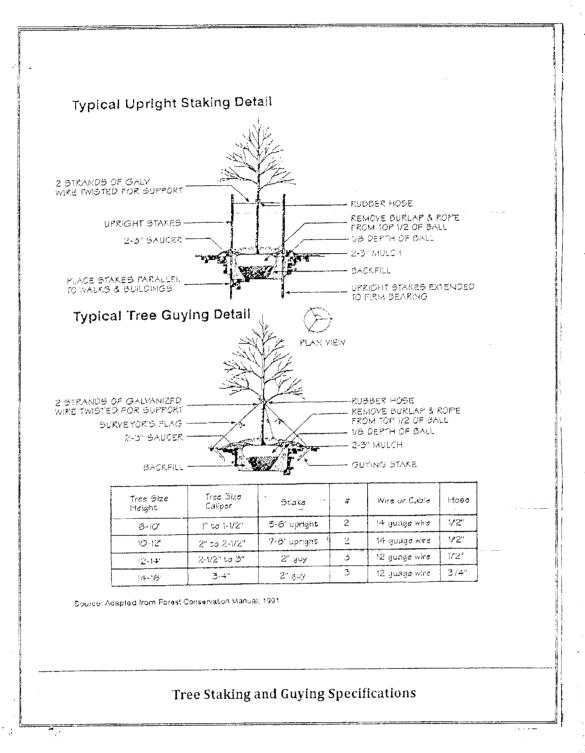
- 1. This plan is submitted to fulfill the woodland conservation requirements for (Insert Plan state it is for a grading permit). If (Insert Plan # or state "this grading permit") expires, this TCP2 also expires and is no longer valid.
- Cutting or clearing of woodland not in conformance with this plan or without the expresse
 written consent of the Planning Director or designee shall be subject to a \$9.00 per squar
- 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 buyer of any woodland conservation areas through the provision of a copy of this plan at time o 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 _____ (Developed, Developing, Rural) Tier and is zoned 7. The proporty is adjacent to ______(state street/road name) which is a designated
- (scenic-historic-scenic and historic-parkway-or-scenic byway)-roadway -If no adjacent roadway is designated as ecenic, historic, a parkway or a ecenic byway th -use the fellowing note for #7:
- The site is not adjacent to a roadway designated as scenic, historic, a parkway or a scer
- 8. The property is adjacent to ______ (provide readway name) which is classified a _____(provide roadway elassilieation if arterial or greater) roadway.____ If no adjacent roadway is classified as arterial or greater, then use the following note for
- The site is not adjacent to a roadway classified as arterial or greater. This plan is/is not grandfathered under CB-27-2010, Section 25-117 (g).

10. Tree Preservation and Retention Notes

- a. 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.
- b. Tree and woodland conservation methods such as root pruning shall be conducted as
- c. 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.
- d. 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.
- e. 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.

TREE CONSERVATION TYPE II - NOTES

- 1. Cutting or clearing of 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.
- The Department of Environmental Resources (DER) Shall be contacted prior to the start of any work on the site to address implementation of tree conservation measure shown on this
- Property owners shall be notified by the developer or contractor of any woodland conservation areas (tree save areas, reforestation areas, afforestation areas, or selective clearing areas) located on their lot or parcel of land and the associated fine for unauthorized disturbances to these areas. Upon the sale of the property, the owner/developer or owners representative shall notify the purchaser of the property of any woodland conservation
- All appropriate bonds will be posted with the building official prior to the issuance of any permits. These bonds will be retained as surety by the building official until all required
- Tree protection devices are not required for this plan since an undisturbed 100' buffer of open land or a 50' forest buffer is being maintained between the limit of disturbance (LOD) and the tree conservation save area. If changes to the LOD impact the undisturbed buffers, the DER inspector shall be contacted to evaluate the change to determine if the revision to the tree conservation plan are necessary or if installation of TPD's will be
- Woodland conservation tree save areas and/or reforestation areas shall be posted as shown at the same time as tree protection device installation and/or start of reforestation activities. These signs shall remain in place.



Removal of Hazardous Trees or Limbs by Developers or Builders

- f. 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.....
- g. 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

h. 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 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 aspector for documentation of the damage.

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 Expert. If existing trees are proposed for use as protection for preservation areas:

k. Tree protection fencing (TPFs) is not required for all or portions of this plan because an undisturbed 100-foot ouffer of open land /or a 50-foot forested buffer is being maintained between the limit of disturbance (LOD) and the woodland preservation areas. If the LOD changes and the change impacts these buffers, the county inspector shall be contacted to evaluate the change to determine if a revision to the tree conservation plan is necessary or if installation of TPFs will be required.

Aiforestation and Reforestation Notes

- a. 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.
- 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 ground is frozen. Planting with larger caliper stock or containerized stock may be done at any time provided a detailed maintenance schedule is provided.
- c. 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 Grading Inspector and the
- d. 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
- e. 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.
- 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
- g. The county inspector shall be notified prior to soil preparation or initiation of any tree
- h. 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.
- 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

Planting Specification Notes

1. Quantity: (See Plant Schedule)

2. Type: (See Plant Schedule)

REFORESTATION AREA - 1

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 bulow 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 auxilitary/fibrous roots shall be present.

Plants that do not have an abundance of well developed terminal buds on the leaders and branches shall be rejected.

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 periodic watering, until the time of planting.
- 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

ground is frozen. Planting shall occur within one growing season of the issuance of grading

moist, but may be planted from March through November. No planting shall be done while

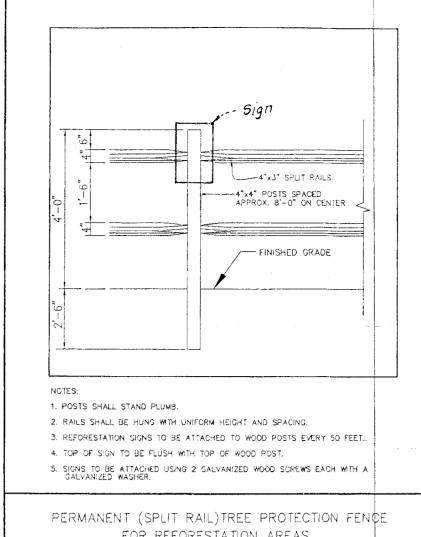
/building permits and/or reaching the final grades and stabilization of planting areas. Seedling Planting: Tree seedlings shall be hand planted using a dibble bar or sharp-shooter-shovel, it is important that the seedling be placed in the hole so that the roots can spread out naturally; they should not 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

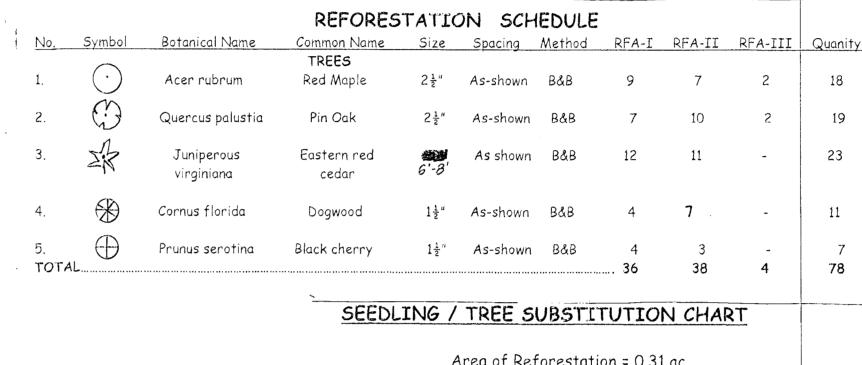
REFORESTATION AREA -II

0:15 Acres

would allow the roots to dry out. See planting details for further explanation. If the



FOR REFORESTATION AREAS



Area of Reforestation = 0.31 ac

Tree substitution is based on a combination of grandfathered requirements of the Environmental Technical and Landscape Manual prior to the 2010 updated Manuals and the 2010 updated Manuals.

* No seedling provided on this plan, substitution of trees planting has been

Planting Required:

1000 - Seedling/whips per acre = $1000 \times 0.31 = 310$ seedlings required 1.5" caliper tree..... equivalent to 3 seedlings 2" caliper tree...... equivalent to 4 seedlings 2.5" caliper tree...... equivalent to 5 seedlings $RFA - I = 0.14 \text{ ac.} \times 1000 = 140 \text{ seedlings}$ RFA - II = 0.15 ac. \times 1000 = 150 seedlings RFA - III = 0.02 ac, $\times 1000$ = 20 seedlings TOTAL = 0.31 ac.= 310 seedlings 1.5" caliper tree...... equivalent to 3 seedlings

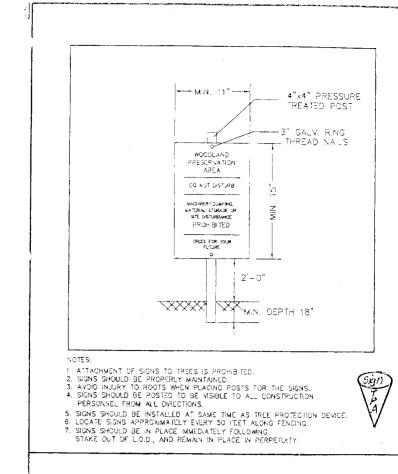
REFORESTATION TREE PLANTING CHART

2" caliper tree...... equivalent to 4 seedlings 2.5" caliper tree..... equivalent to 5 seedlings

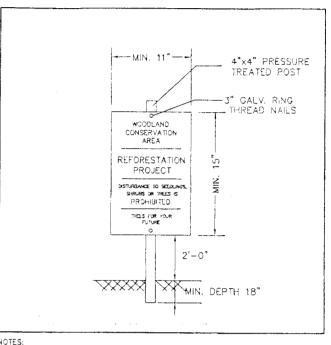
PROVIDED / EQUIVALENT **RFA** - I = 0.14 ac. = 16 - 2.5" Shade Tree...... = $16 \times 5 = 80$ seedlings 20 - 1.5" evergreen/ornamental = $20 \times 3 = 60$ seedlings **RFA** - II = 0.15 ac. = 17 - 2.5" Shade Tree...... = $17 \times 5 = 85$ seedlings 21 - 1.5" evergreen/ornamental = $21 \times 3 = 63$ seedlings Total equilvalent planting...... 148 seedlings .151 seedlings RFA - III = 0.02 ac, = 4 - 2.5" Shade Tree........ $= 4 \times 5 = 20$ seedlings Total equilvalent planting. 20 seedlings TOTAL = 0.31 ac.... = 311 seedlings

		E	s County Planning Department, M-NC ovironmental Planning Section SERVATION PLAN APPRO TCPII/009/14	
	Approved by	Date	DRD#	Reason for Revision
00	Mary Mila	5/9/2016	DSP-09030	ECONOMIC SERVICE SERVI
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02				
03				
04				
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	and the state of
QUALIFIED PROFESSIONAL CERTIFICATION	:
QUALIFIED PROFESSIONAL CERTIFICATION	
This plan complies with the current requirements of Subtitle 25 and the Woodland and Wild	llife
Conservation Technical Manual	
	١.
Signed: Date: 4-7.6-16 : 1	



WOODLAND PRESERVATION AREA SIGN



 ATTACHMENT OF SIGNS TO TREES IS PROHIBITED.
 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
 REPROMINE FORM. 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.

> REFORESTATION AREA SIGN (Post)

THIS BLOCK IS FOR OFFICIAL USE ONLY QR label certifies that this plan meets conditions of final approval by the Planning Board, its designee

or the District Council. M-NCPPC APPROVAL

PROJECT NAME: Addisons Addition to "CEDAR HILL" PROJECT NUMBER: DSP - 09030

For Conditions of Approval see Site Plan Cover Sheet or Approval Sheet Revision numbers must be included in the Project Number

SURVEYORS * ENGINEERS * LAND PLANNERS

PERMIT SERVICES 350, MAIN STREET LAUREL, MARYLAND, 20101 PHONE 301-776-0561 FAX 301-776-0642

TREE CONSERVATION TYPE - II PLAN Homestake Drive Lots 1 - 4

ADDISONS ADDITION TO

CEDAR HILL Bowie (14th) Election District

Prince George's County, Maryland

FIELD BOOK SHEET NUMBER FILE NUMBER IOB NUMBER

Gregory C. Benefiel 350 Main Street Laurel, Maryland 20707. Ph. 301-776-0561, E-mail surveysing@verizorune Qualified Professional COMAR 08.19.06.01