

4. SIGNS SHOULD BE POSTED TO BE VISIBLE TO ALL CONSTRUCTION

6. LOCATE SIGNS APPROXIMATELY EVERY 50 FEET ALONG FENCING.

STAKE OUT OF L.O.D., AND REMAIN IN PLACE IN PERPETUITY

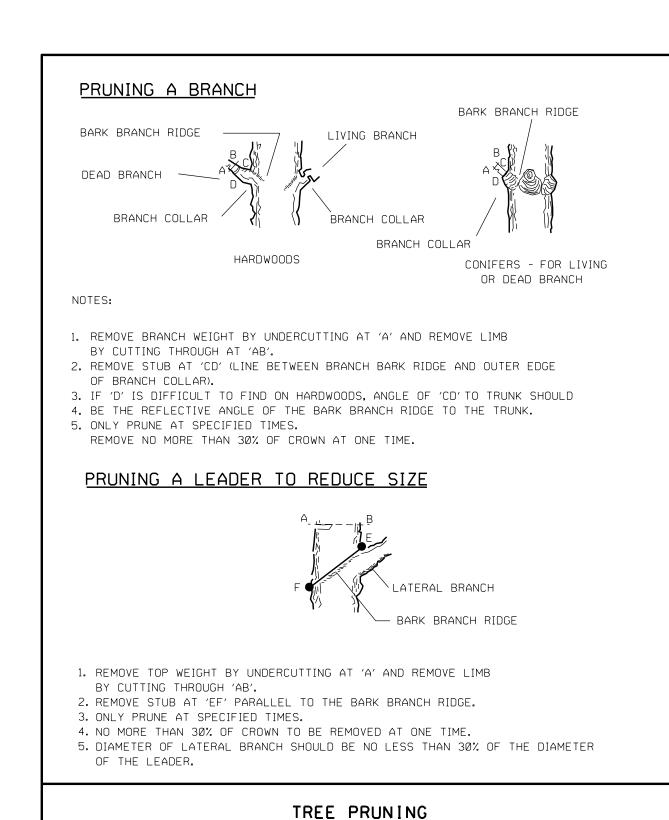
7. SIGNS SHOULD BE IN PLACE IMMEDIATELY FOLLOWING

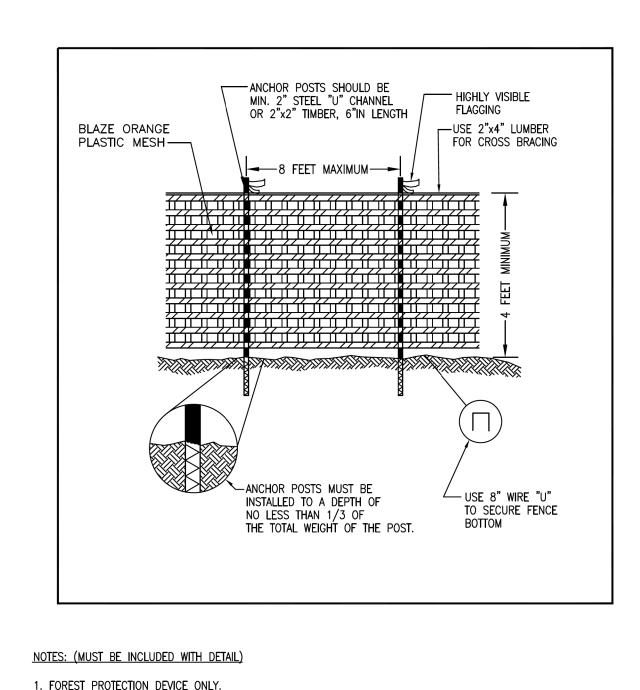
5. SIGNS SHOULD BE INSTALLED AT SAME TIME AS TREE PROTECTION DEVICE.

WOODLAND PRESERVATION AREA SIGN

PERSONNEL FROM ALL DIRECTIONS.

A-4, DET-1 August 2010





- . RETENTION AREA WILL BE SET AS PART OF THE REVIEW PROCESS. 3. BOUNDARIES OF RETENTION AREA SHOULD BE STAKED AND FLAGGED PRIOR TO INSTALLING DEVICES. 4. AVOID ROOT DAMAGE WHEN PLACING ANCHOR POSTS.
- 5. DEVICE SHOULD BE PROPERLY MAINTAINED DURING CONSTRUCTION 6. PROTECTIVE SIGNAGE IS ALSO REQUIRED.

SILT FENCE-

(SEE NOTES)

EXISTING GRADE_ME

1. SILT FENCE TO BE HEELED INTO SOIL.

PRIOR TO INSTALLING DEVICE.

7. PROTECTION SIGNS ARE ALSO REQUIRED.

2. WIRE, SNOW FENCE, ETC. FOR TREE PROTECTION ONLY.

THE TREE CONSERVATION PLAN REVIEW PROCESS.

5. AVOID ROOT DAMAGE WHEN PLACING ANCHOR POSTS.

8. LOCATE FENCE OUTSIDE THE CRITICAL ROOT ZONE.

3. BOUNDARIES OF RETENTION AREA WILL BE ESTABLISHED AS PART OF

4. BOUNDARIES OF RETENTION AREA SHOULD BE STAKED AND FLAGGED

6. DEVICE SHOULD BE PROPERLY MAINTAINED THROUGHOUT CONSTRUCTION.

TYPE 4 (TEMPORARY) TREE PROTECTION FENCE

COMBINATION SILT FENCE & TREE PROTECTION

August 2010

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

August 2010

ANA

A-4, DET-4

A-4, DET-8

EXISTING TREES
TO REMAIN

-FENCE WIRE

FLAGGING 3'± 0.C.

6' STEEL "T-BAR" STAKE AT ROOT ZONE

YELLOW PINE POST IN GR□UND 2".

—EXISTING TREES T□ REMAIN —HIGHLY ∨ISIBLE ANCHOR POSTS SHOULD BE MIN. 2" STEEL "U" CHANNEL OR 2"x2" TIMBER, 6"IN LENGTH 8'-0" MAX, P□ST SPACING * IN CERTAIN CIRCUMSTANCES FENCING MAY BE PERMITTED TO BE LOCATED AT THE DRIPLINE.

NOTES: (MUST BE INCLUDED WITH DETAIL)

RETENTION AREA WILL BE SET AS PART OF THE REVIEW PROCESS. BOUNDARIES OF RETENTION AREA SHOULD BE STAKED AND FLAGGED PRIOR TO INSTALLING DEVICES. . AVOID ROOT DAMAGE WHEN PLACING ANCHOR POSTS. DEVICE SHOULD BE PROPERLY MAINTAINED DURING CONSTRUCTION PROTECTIVE SIGNAGE IS ALSO REQUIRED.

TEMPORARY FENCE PROTECTION DETAIL FOR WOODLAND PRESERVATION AREAS

August 2010

A-4, DET-5

TREE PROTECTION FENCE " MINIMUM DEPTH

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.

Source: Maryland State Forest Conservation Technical Manual, 3rd Edition - 1997

3. EXACT LOCATION OF TRENCH SHOULD BE IDENTIFIED. 4. TRENCH SHOULD BE IMMEDIALTEY BACKFILLED WITH SOIL REMOVED OR OTHER HIGH

ORGANIC SOIL.

5. ROOTS SHOULD BE CLEANLY CUT USING VIBRATORY KNIFE OR OTHER ACCEPTABLE EQUIPMENT.

ROOT PRUNING

August 2010 A-4, DET-10

Standard Type 2 Tree Conservation Plan Notes

GENERAL NOTES

- 1. This plan is submitted to fulfill the woodland conservation requirements for a grading permit. If this grading permit expires, then this TCP2 also expires and is no longer valid.
- 2. Cutting or clearing of woodland 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 mass 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 this property subject to this tree conservation plan are solely responsible for conformance to the requirements contained therein
- 6. The property is within the Developed Tier and is zoned I-1
- 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.

Tree Preservation and Retention Notes

- 9. 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.
- 10. Tree and woodland conservation methods such as root pruning shall be conducted as noted on this plan.
- 11. 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.
- 12. 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.
- 13. 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.
- 14. 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.
- 15. A tree is considered hazardous of 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 property damage.
- 16. 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 permittee 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.

17. 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 permittee, 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 permittee 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.

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 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 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.

18. Debris piles shown in woodland preservation areas shall be removed by hand without the use of mechanical equipment within the preservation area. Chains may be used to pull debris out of the preservation areas. Caution must be used not to damage remaining vegetation.

POST DEVELOPMENT NOTES

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

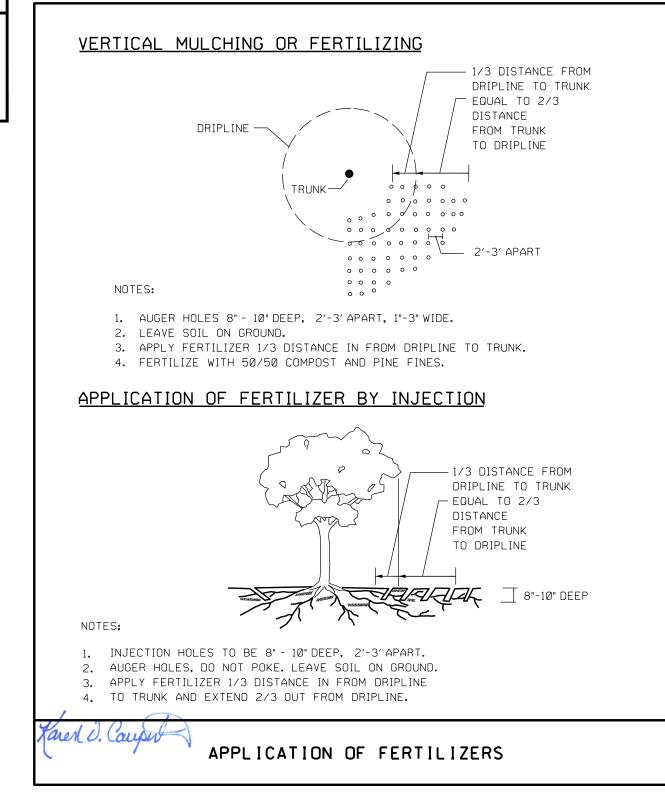
1. If the developer or builder no longer has an interest in the property and the new owner desires to remove a hazardous tree or portion thereof, the new owner shall obtain a written statement from a Certified Arborist or Licensed Tree Expert identifying the hazardous condition and the proposed corrective 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.

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 permittee 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.

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.

- 2. 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 plants 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 in diameter shall be cut to allow contact with the ground, thus encouraging decomposition.
- 3. 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.
- 4. 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.

Last revised March 15, 2017



WOODLAND PRESERVED, PLANTED OR REGENERATED IN FULFILLMENT OF THE WOODLAND CONSERVATION REQUIREMENTS ON-SITE HAVE BEEN PLACED IN A WOODLAND AND WILDLIFE HABITAT CONSERVATION EASEMENT RECORDED IN THE PRINCE GEORGE'S COUNTY LAND RECORDS AT LIBER FOLIO REVISIONS TO THE TCP2 MAY REQUIRE A REVISION TO THE RECORDED EASEMENT

> Prince George's County Planning Department, M-NCPPC **Environmental Planning Section** TREE 2 CONSERVATION PLAN APPROVAL TCP2 - 017 - 17 Approved by Date DRD # Reason for Revision 01 buch Souder

Kim Engineering, Inc.

19634 Club House Road, Suite 310 Gaithersburg, Maryland 20886 301-337-6734

Baltimore, MD - Beltsville, MD - Gaithersburg, MD Civil Engineering - Land Surveying - Geotechnical Engineering - Structural Engineering

FEBRUARY 2017 DESIGNED KVC ΓECHNICIAN CHECKED REVISION BY DATE

WSSC GRID: 202SE05 ADC MAP: 31- C&D 6 AX MAP: 73 B3 1034/ENG/ENV/TCP 2



3/16/17

MISS UTILITY Call "Miss Utility" at 1-800-257-777 48 hours prior to the start of work. The excavator must notify all public utility companies with under ground facilities in the area of proposed excavation and have those facilities located by the utility companies prio

to commencing excavation.

TREE CONSERVATION PLAN - TYPE 2 1250 ROLLINS AVENUE

LOT 3

NARANJIT ESTATES 18TH. ELECTION DISTRICT

PRINCE GEORGE'S COUNTY, MARYLAND

SHOWN

TOTAL SHEETS IN THIS SET 2

SHEET

SCALE