

* Reforestation area data from Landscape Plans

Sally K. Kishter 11-12-2020
 Maryland DNR Qualified Professional Date
 Name: Sally Kishter
 Address: 700 East Pratt St., Suite 500, Balt. MD 21202
 Phone: 410-462-9273
 skishter@rkk.com

PROPERTY OWNERS AWARENESS CERTIFICATE

I/We Elizabeth F. Miller, Chief Engineering Division, PG, DP&T, 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.
EL Miller November 16, 2020
Owner or Owners Representative Date

I/We _____ 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.

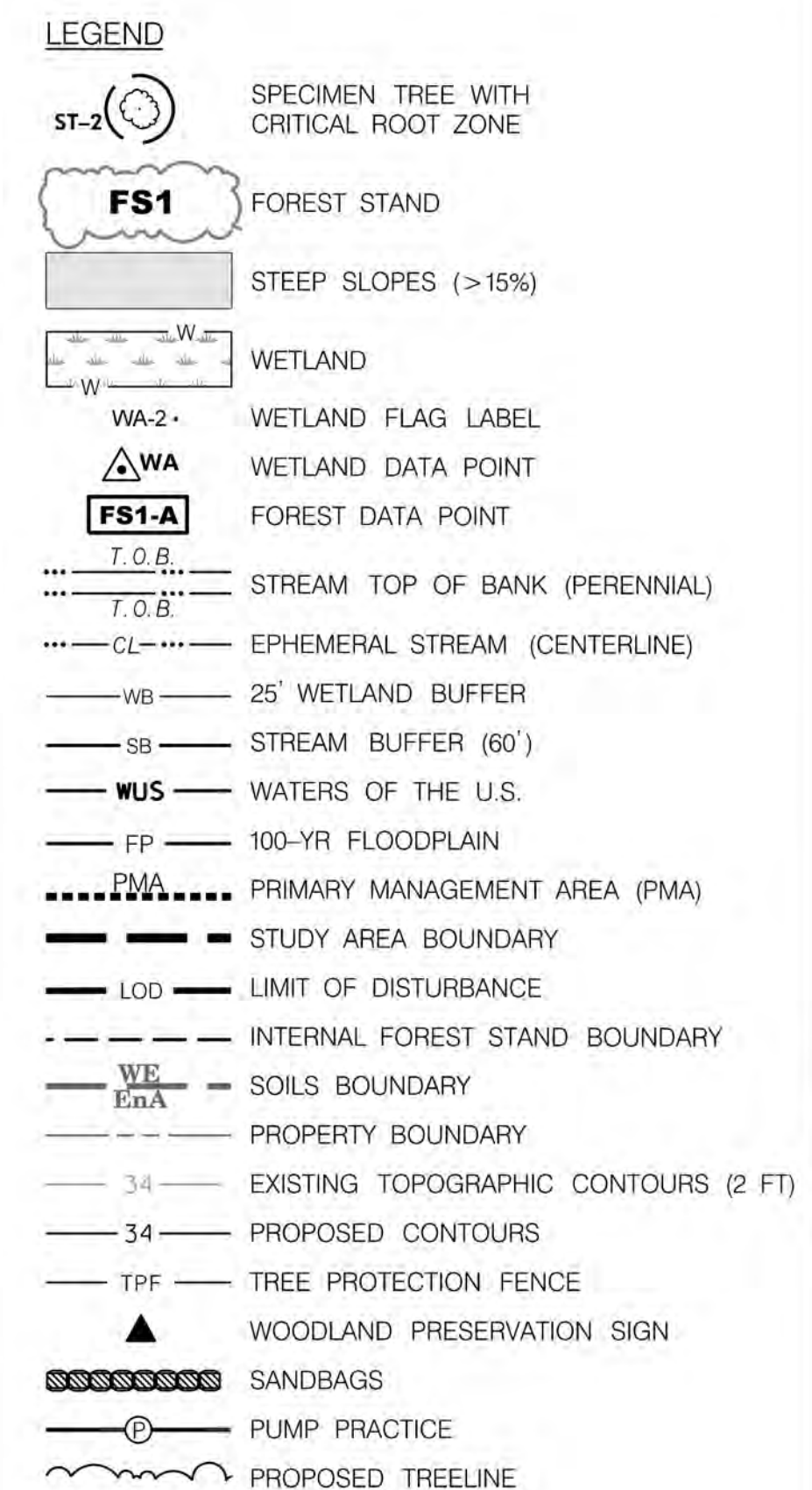
Contract Purchaser Date

100' 0 100' 200'

SCALE: 1" = 100'

REVISIONS

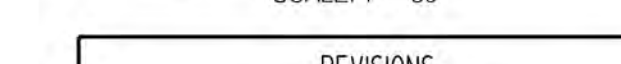
| | | | |
|---|--|---|--|
| TREE CONSERVATION PLAN 2 KEY SHEET | | TP-01 | |
| DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION ELECTION DISTRICT 4 PRINCE GEORGE'S COUNTY, MARYLAND | | | |
| INDIAN HEAD HIGHWAY EAST CHANNEL OUTFALL MAINTENANCE | | | |
| SCALE: 1" = 100' | | DWG. 19 OF 23 | |
| APPROVED | | _____ DATE _____ FOR: TERRY L. BELLAMY, DIRECTOR | |
| DESIGNED: SJK | CONTRACT NO. ROAD NO. _____ JOB NO. _____ FILE NO. _____ | | |
| DRAWN: DEA | | | |
| CHECKED: KDC | | | |
| APPROVED: | | | |
| CHIEF, ENGINEERING SERVICES DIV. _____ DATE _____ | | | |



| | |
|----------------------------------|------|
| CHIEF, ENGINEERING SERVICES DIV. | DATE |
|----------------------------------|------|

Contract Purchaser _____ Date _____

3. SEE LANDSCAPE PLANS (LD-01 TO LD-04) FOR REFORESTATION PLANTING.



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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 If this grading permit expires, then this TCP2 also expires and is no longer valid.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 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 and is zoned as Residential Class R-18C and Residential Class R-O-S.
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/is not grandfathered under CB-27-2010, Section 25-117 (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 TPF installation. These signs must remain in perpetuity.

REMOVAL OF HAZARDOUS TREES OR LIMBS BY DEVELOPERS OR BUILDERS

1. 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.
2. 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 property damage.
3. 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.
4. 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 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.
5. 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.

AFFORESTATION AND REFORESTATION NOTES

6. 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.
7. The planting of afforestation or reforestation areas shall be completed prior to the issuance of the first building permit. 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.
8. 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 county.
9. 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.
10. 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.
11. 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.
12. The county inspector shall be notified prior to soil preparation or initiation of any tree planting on this site.
13. 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.
14. 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.

| SPECIMEN TREE TABLE | | | | | | |
|---------------------|----------------|-------------------|--------------------------------|-----|-----------|---|
| Tree No. | Removal Status | Common Name | Scientific Name | DBH | Condition | Comments |
| ST-1 | No | Tulip Poplar | <i>Liriodendron tulipifera</i> | 33 | Fair | Thin crown, some dead branches in crown, insect infestation. |
| ST-2 | No | Red Maple | <i>Acer rubrum</i> | 30 | Poor | Dead branches, fungus, knobs, dead top. |
| ST-3 | No | Mockernut Hickory | <i>Carya tomentosa</i> | 32 | Fair/Poor | Splits above 4.5' from base, smaller dead branches, heavy poison ivy, slight lean, included bark. |
| ST-4 | No | White Oak | <i>Quercus alba</i> | 32 | Good/Fair | Vines in lower canopy. |
| ST-5 | No | Northern Red Oak | <i>Quercus rubra</i> | 30 | Good/Fair | Vines, moderate dead branches. |
| ST-6 | No | Northern Red Oak | <i>Quercus rubra</i> | 31 | Good/Fair | Landscape tree, minor dead branches. |
| ST-7 | No | Northern Catalpa | <i>Catalpa speciosa</i> | 47 | Fair/Poor | Heavy vines into crown, large dead limbs, decay in trunk where large dead branch breaks from trunk, small cavity at base, moderate dead branching in crown. |

Woodland Conservation Worksheet
for Governmental and Linear Projects in Prince George's County

SECTION 1-Establishing Site Information

| | | | |
|-------------------------------|---|----------|--|
| Property Description or Name: | Indian Head Hwy East Channel Outfall Maintenance | | |
| Project Location; | ~3.6 mi. south of I-495 & MD 210, behind River Pointe Apts. | | |
| TCP2 Number: | TCP2-029-2020 | Rev. No: | |
| NRI Number: | NRI-052-2020 | Rev. No: | |
| Zone: | R-O-S | | |
| Gross Tract: | 1.06 | acres | |
| Project Area/Limits: | 1.06 | acres | |

SECTION 2-Determining Requirements

| | | | |
|---|------|-------|--------|
| Existing Woodland in Project Limits = WCT | 0.24 | or | 22.64% |
| Woodland Cleared in Project Limits | 0.24 | | |
| Total area of woodland cleared (subject to 1:1 replacement) | 0.24 | | |
| Off-Site Woodland Conservation Provided (afforestation) | 0.00 | | |
| Off-Site Woodland Conservation Provided (preservation) | 0.00 | | |
| Woodland Conservation Requirement: | 0.24 | acres | |

SECTION 3- Meeting the Requirements

| | | | |
|--|------|--------------|-------------|
| Woodland Preserved | 0.00 | | |
| Afforestation /Reforestation | 0.64 | Bond amount: | \$ 8,363.52 |
| Natural Regeneration | 0.00 | | |
| Landscape Credit | 0.00 | | |
| Speciment/Historic Tree Credit (CRZ area *2.0) | 0.00 | | |
| Forest Enhancement Credit (Area *.25) | 0.00 | | |
| Street Tree Credit (Existing or 10-year canopy coverage) | 0.00 | | |
| Prior Credit for Off-site Woodland Conservation | 0.00 | | |
| Current Credit for Off-site Woodland Conservation | | | |
| Off-site Woodland Conservation provided (afforestation) | 0.00 | | |
| Off-site Woodland Conservation provided (preservation) | 0.00 | | |
| Area Approved for Fee-in-lieu/PFA | | Fee amount: | \$0.00 |
| Area Approved for Fee-in-lieu/non-PFA | | Fee amount: | \$0.00 |
| Woodland Conservation Provided | 0.64 | acres | |

Prepared by: Sally J. Kishter Signed 11/12/2020 Date

PROPERTY OWNERS AWARENESS CERTIFICATE

I/We, Elizabeth F. Miller, Chief Engineering Division, PG, DPW&T, 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.
Signature: [Signature] Date: January 26, 2021
Owner or Owners Representative

I/We, [Signature], 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.
Contract Purchaser Date

Signature: [Signature] 11-12-2020 Date
Maryland DNR Qualified Professional
Name: Sally Kishter
Address: 700 East Pratt St., Suite 500, Balt. MD 21202
Phone: 410-462-9273
skishter@rkk.com

Prince George's County Planning Department, M-NCPPC
Environmental Planning Section
TYPE 2 TREE CONSERVATION PLAN APPROVAL
TCP2-029-2020

| | | | |
|--------------|---------|-------|----------------------|
| Approved by: | Date: | DOB#: | Reason for Revision: |
| [Signature] | 1/22/21 | | N/A |
| 01 | | | |
| 02 | | | |
| 03 | | | |
| 04 | | | |
| 05 | | | |



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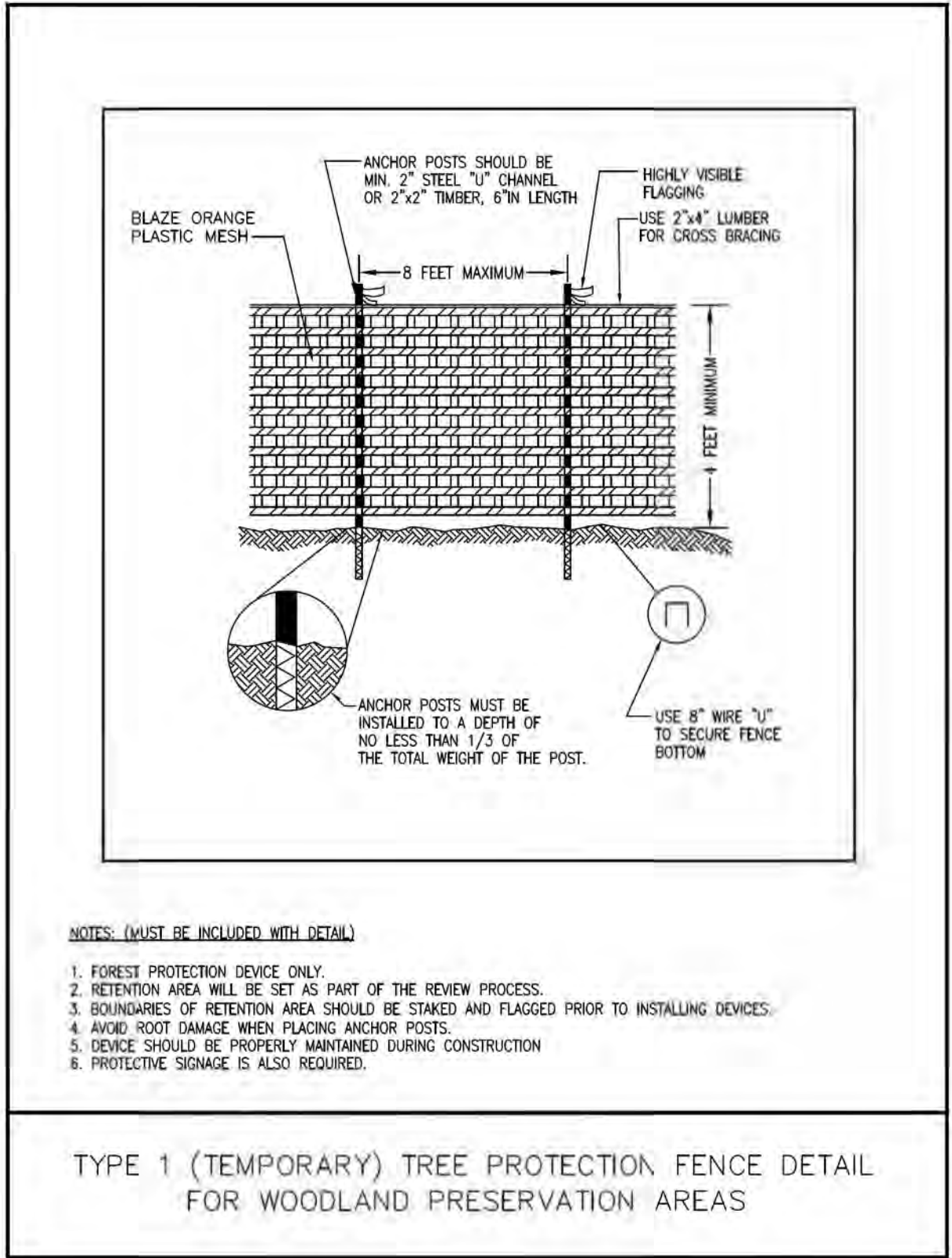
TREE CONSERVATION PLAN 2
NOTES AND TABLES TP-04

DEPARTMENT OF PUBLIC WORKS
AND TRANSPORTATION
ELECTION DISTRICT 4
PRINCE GEORGE'S COUNTY, MARYLAND
INDIAN HEAD HIGHWAY
EAST CHANNEL
OUTFALL MAINTENANCE

| | | |
|---------------|---------------------------------------|---------------|
| REVISIONS | SCALE: NONE | DWG. 22 OF 23 |
| APPROVED | | |
| DESIGNED: SJK | CONTRACT NO. | |
| DRAWN: DEA | ROAD NO. | JOB NO. |
| CHECKED: KDG | FILE NO. | |
| APPROVED: | CHIEF, ENGINEERING SERVICES DIV. DATE | |

| Layer Category | Layer Name | Value |
|-----------------------|-------------------------------|--|
| Zone | Zoning (Zone) | Residential Class R-18C, Commercial Class C-S-C, and Residential, R-O-S |
| Zone | Aviation Policy Area (APA) | N/A |
| Administrative | Tax Grid (TMG) | 114-A1, 114-A2, 114-B1, 114-B2 |
| Administrative | WSSC Grid (Sheet 20) | 211SE01 |
| Administrative | Planning Area (Plan Area) | 76B Henson Creek |
| Administrative | Election District (ED) | District 12, Oxon Hill |
| Administrative | Councilmanic District (CD) | 4 th Congressional District; 26 th Legislative District |
| Administrative | General Plan 2002 Tier (Tier) | Developing ; DAMS Link 2 |

1 If the site is within an APA, enter the name of the airport. If the site is not within an APA, enter "N/A"



- NOTES:
1. ATTACHMENT OF SIGNS TO TREES IS PROHIBITED.
 2. SIGNS SHOULD BE PROPERLY MAINTAINED.
 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 LOD, AND REMAIN IN PLACE IN PERPETUITY.

Sally K. Kishter 11-12-2020
 Maryland DNR Qualified Professional Date
 Name: Sally Kishter
 Address: 700 East Pratt St., Suite 500, Balt. MD 21202
 Phone: 410-462-9273
 skishter@rkk.com

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November 16, 2020

S. Miller
Owner or Owners' Representative Date

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Type 2 Tree Conservation Plan (TCP2) and that we understand the requirements
as set forth in this TCP2.

Contract Purchaser Date

| | | | | |
|----------------------------------|--|------------------|-----------------------|--|
| REVISIONS | SCALE: NONE | | DWG. 23 OF 23 | |
| | APPROVED _____ DATE _____ FOR TERRY L. BELLAMY, DIRECTOR | | | |
| | DESIGNED: SJK | | CONTRACT NO. | |
| | DRAWN: DEA | | ROAD NO. JOB NO. | |
| | CHECKED: KDG | | FILE NO. | |
| APPROVED: _____ | | _____ DATE _____ | | |
| CHIEF, ENGINEERING SERVICES DIV. | | _____ | | |