

SPECIMEN TREE TABLE						
No.	Common Name	Scientific Name	DBH (Inches)	Condition Rating	Condition Comments	Disposition
1	Southern Red Oak	Quercus falcata	38"	Fair		To Remain
2	Yellow Poplar	Liriodendron tulipifera	31"	Excellent		To Remain
3	Yellow Poplar	Liriodendron tulipifera	32"	Good		To Remain
4	Yellow Poplar	Liriodendron tulipifera	37"	Excellent		To be Removed
5	Yellow Poplar	Liriodendron tulipifera	37"	Excellent		To be Removed
6	American Beech	Fagus grandifolia	31"	Excellent		To Remain
7	Sycamore	Platanus occidentalis	36"	Fair		To Remain
8	Yellow Poplar	Liriodendron tulipifera	32"	Good		To Remain
9	Yellow Poplar	Liriodendron tulipifera	30"	Good		To Remain
10	Yellow Poplar	Liriodendron tulipifera	35"	Good		To Remain
11	Yellow Poplar	Liriodendron tulipifera	31"	Poor		To Remain
12	Yellow Poplar	Liriodendron tulipifera	48"	Good		To Remain
13	Yellow Poplar	Liriodendron tulipifera	35"	Poor		To be Removed

Note: This plan is in accordance with the following variance from the strict requirements of Subtitle 25 approved by the Planning Board on 02-15-2018: The removal of 3 specimen trees (Section 25-122(b)(1)(C), ST4, a 37-inch Yellow Poplar, ST5, a 37-inch Yellow Poplar and ST13 a 36-inch Yellow Poplar.

WOODLAND REFORESTATION AREA (WRA)	
No.	AREA (AC)
1	0.16
2	0.12
3	0.11
4	0.69
Total	0.98

WOODLAND RETAINED - NOT CREDITED (WR-NC)	
No.	AREA (AC)
1	0.06
2	0.02
3	0.01
Total	0.09

WOODLAND PRESERVATION AREA (WPA)	
No.	AREA (AC)
1	0.17
2	3.77
Total	3.94

Standard Woodland Conservation Worksheet

for Prince George's County

Section I - Establishing Site Information

Zone: R-E

Gross Tract: 12.45 Acres

Floodplain: 0.00 Acres

Prev. Dedicated Land: 0.00 Acres

Net Tract (NTA): 12.45 Acres

Owner: TRUSTEES OF GRACE UNITED METHODIST CHURCH OF FORT WASHINGTON

Address: 11700 OLD FORT ROAD, FORT WASHINGTON, MARYLAND 20744

Phone: (301)459-4400

Tax Map: 4445

Subdivision/Block/Lot: Grace United Methodist Church

Is this site subject to the 1989 Ordinance?

Reforestation Requirement Reduction Questions

Is this one (1) single family lot? N

Are there prior TCP approvals which include a combo of these lots and/or other lots? N

Is this a mitigation bank? N

Break-even Point (preservation) = 4.90 Acres

Clearing permitted w/o reforestation = 7.14 Acres

Section II - Determining Requirements

	Column A WCT/AFT %	Column B Net Tract	Column C Floodplain (1:1)	Column D Off-site Impacts (1:1)
Existing Woodland		12.04	0.00	
Woodland Conservation Threshold (WCT) =	25.00%	3.11		
Smaller of 13 or 14		3.11		
Woodland above WCT		8.93		
Woodland cleared		7.24	0.00	0.00
Woodland cleared above WCT (smaller of 16 or 17)		7.24		
Clearing above WCT (0.25: 1) replacement requirement		1.81		
Woodland cleared below WCT		0.00		
Clearing below WCT (2:1 replacement requirement)		0.00		
Afforestation Threshold (AFT) =	20.00%	0.00		
Off-site WCA being provided on this property		0.00		
Woodland Conservation Required		4.92 acres		

Section III - Meeting the Requirements

Woodland Preservation	3.94			
Afforestation / Reforestation	0.98			
Natural Regeneration	0.00			
Specimen/Historic Tree Credit (CR2 Area "2.0)	0.00	0.00		
Forest Enhancement Credit (Area "25)	0.00	0.00		
Area approved for fee-in-lieu-of-PFA	0.00		\$0.00	
Area approved for fee-in-lieu-of-PFA	0.00		\$0.00	
Credits for Off-site Conservation on another property	0.00			
Off-site WCA (preservation) being provided on this property	0.00			
Off-site WCA (afforestation) being provided on this property	0.00			
Total Woodland Conservation Provided		4.92 Acres		
Area of woodland not cleared	5.80 acres			
Woodland retained but not part of requirements:	0.86 acres			
100% floodplain woodland retained	0.00 acres			
On-site woodland conservation provided:	4.92 acres			
On-site woodland retained not credited:	0.86 acres			

Plan Certified by:

Name: Mike Petrakis

Address: 11721 Woodmore Road, Suite 200, Mitchellville, MD 20701

License: Qualified Professional

Note: Woodlands preserved, planted or regenerated in fulfillment of woodland preservation 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 42450 Folio 25. Revisions to this TCP2 may require a revision to the recorded easement.

LEGEND

PROPERTY BOUNDARY	---
EX. CONTOUR (2')	---
EX. CONTOUR (10')	---
PROP. CONTOUR (2')	---
PROP. CONTOUR (10')	---
LIMIT OF DISTURBANCE	---
EX. TREELINE	---
WOODLAND PRESERVATION AREA (WPA)	---
WOODLAND REFORESTATION/AFFORESTATION AREA (WRA)	---
WOODLAND RETAINED - NOT CREDITED (WR-NC)	---
SPECIMEN TREE TO BE SAVED	---
SPECIMEN TREE PROPOSED FOR REMOVAL	---
MARLBORO CLAY	---
MARLBORO CLAY EVALUATION ZONE	---
MARLBORO CLAY	---
1.5 MITIGATED SAFETY FACTOR LINE	---
STORMWATER MANAGEMENT FACILITY	---
WOODLAND PRESERVATION SIGN	---
REFORESTATION/AFFORESTATION SIGN	---
TREE PROTECTION FENCE (PERMANENT)	---
TREE PROTECTION FENCE (TEMPORARY W/LOD)	---
40' ARCHEOLOGICAL EXPLORATION AREA	---

Site Statistics Table		
Site Statistics		Total
Gross tract area	12.45 ac.	
Existing 100-year floodplain	0 ac.	
Net tract area	12.45 ac.	
Existing woodland in the floodplain	0 ac.	
Existing woodland net tract	12.04 ac.	
Existing woodland total	12.04 ac.	
Existing PMA	0 sf	
Regulated streams (linear feet of centerline)	0 lf	
Riparian (wooded) buffer up to 300 feet wide	0 lf	

Prince George's County Planning Department, M-NCPPC Environmental Planning Section TREE CONSERVATION PLAN APPROVAL TCP 2 - 012 - 2018-02				
Approved by	Date	DRD #	Reason for Revision	
00 CHUCK SCHNEIDER	6-22-2018		SUBSURFACE CEMETERY INVESTIGATION	
01 CHUCK SCHNEIDER	5-09-2019	DSP-18033	LIMITED DETAIL SITE PLAN	
02 <i>Chuck Schneider</i>	12/12/2019		SITE PLAN FOR CHURCH	
03				
04				
05				
06				

TREE CONSERVATION PLAN TYPE 2 GRACE UNITED METHODIST CHURCH PISCATAWAY DISTRICT No. 5 PRINCE GEORGE'S COUNTY, MARYLAND

C-4.1
SHEET 1 OF 2

November 29, 2019		DATE		11721 WOODMORE ROAD, SUITE 200 MITCHELLVILLE, MARYLAND 20701	
<i>Mike Petrakis</i>		DATE		BEN DYER ASSOCIATES, INC. Engineers / Surveyors / Planners TELEPHONE (301) 430-2000	
Mike Petrakis Qualified Professional COMAR: 08.15.06.01		DATE		COPYRIGHT © 2018 BEN DYER ASSOCIATES, INC.	
DATE		DESCRIPTION		BY	
REVISIONS				PCN	
				MP	
				MP	
				J-B12044	
				DATE: NOVEMBER 2018	
				DRAWING NO.	
				54.007-Z	

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We the Trustees of Grace United Methodist Church of Fort Washington, Inc. 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.

Kurall Conway 4/17/2019
Purcell Conway 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

OWNER/APPLICANT
TRUSTEES OF GRACE UNITED METHODIST CHURCH
AT FORT WASHINGTON, INC.
11700 OLD FORT ROAD
FORT WASHINGTON, MD 20744
ATTN: BROTHER PURCELL CONWAY
PHONE: 202-328-6147

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GENERAL NOTES

- This plan is submitted to fulfill the woodland conservation requirements for a grading permit.
- Cutting or clearing of woodland not in conformance with this plan or without the expressed written consent of the Planning Director or designer shall be subject to a \$9.00 per square foot mitigation fee.
- A pre-construction meeting is required prior to the issuance of grading permits. The Department of Permits, Inspection and Enforcement, 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.
- 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.
- The owners of the property subject to this tree conservation plan are solely responsible for conformance to the requirements contained herein.
- The property is within Environmental Strategy Area, ESA-2 and is zoned R-E & R-R.
- The site is not adjacent to a roadway designated as scenic, historic, a parkway or a scenic byway.
- The site is not adjacent to a roadway classified as arterial or greater.
- This plan is not grandfathered under CB-27-2010, Section 25-177(g).

WOODLAND PRESERVATION AND RETENTION NOTES

- 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 TOP2.
- Tree and woodland conservation methods such as root pruning shall be conducted as noted on this plan.
- The location of all temporary tree protection fencing (TPF) 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.
- All temporary tree protection fencing required by this plan shall be installed prior to the 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 TOP2.
- 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
- 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 part thereof designated by the county as dead, dying, or hazardous may be removed.
- 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.
- 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 chain saw 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 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 bond release for the project. 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 contract 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 TOP2. The work is required to be conducted by a Licensed Tree Expert.

- 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

- All afforestation/reforestation bonding, 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 time frame 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 areas.) Seeding planting is to occur from November through May only. No planting shall be done while ground is frozen. Planting with large caliper stock or containerized stock may be done at any time provided a detailed maintenance schedule is provided.
- 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.
- 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.
- 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 TOP2.
- 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.
- The county inspector shall be notified prior to soil preparation or initiation of any tree planting on this site.
- 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 extension.

PLANTING SPECIFICATION NOTES

- Quantity: (See Plant Schedule)
- Type: (See Plant Schedule)

- 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 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/butrous 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.

- Planting 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.
- 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 moist, but may be planted from March through November. No planting shall be done while 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.
- 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. Most soil should then be packed firmly around the roots. Seedlings should be planted at a depth where their roots lie just below ground surface. At projects should not be left after closing the hole 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 contacted and give his approval before planting may begin.
- 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.
- 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 one soil sample for each area that appears to have a different soil type (if the entire area appears uniform, then only one 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.
- Soil Improvement Measures: The soil shall then be improved according to the recommendations made by the testing company.
- 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 operation unless it was installed during the initial stages of development. Signs shall be posted per the signage detail on this sheet.
- Planting method: Consult the Planting Detail(s) shown on this plan.
- Mulching: Apply two-inch thick layer of woodchip or shredded hardwood mulch (as noted) to each planting site (see detail shown on this plan).
- Groundcover Establishment: The remaining disturbed area between seedling planting site shall be seeded and stabilized with white clover seed at the rate of 5 lbs/acre.
- Mowing: No mowing shall be allowed in any planting area.
- 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.
- Source of Seedlings: State name, address, and phone number of nursery or supplier. When areas designated for reforestation will be reforested by natural regeneration the following notes shall be added to the plan:

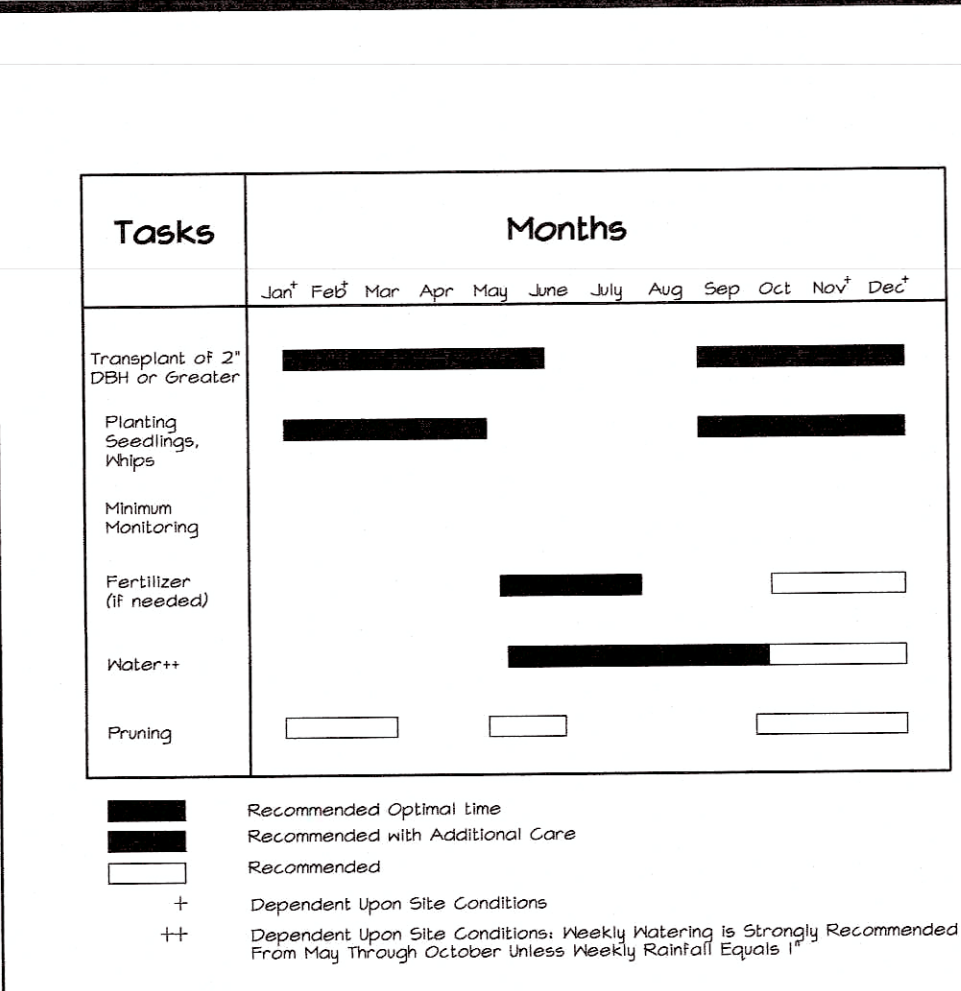
FOUR-YEAR MANAGEMENT PLAN FOR REAFFORESTATION AREAS

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 min.)
- 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 min.)
- 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.

POST DEVELOPMENT NOTES

- 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 property 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 approve limits of disturbance on a TOP2. The work is required to be conducted by a Licensed Tree Expert.
- 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 diameter shall be cut to allow contact with the ground, thus encouraging decomposition.
- 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.
- 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.

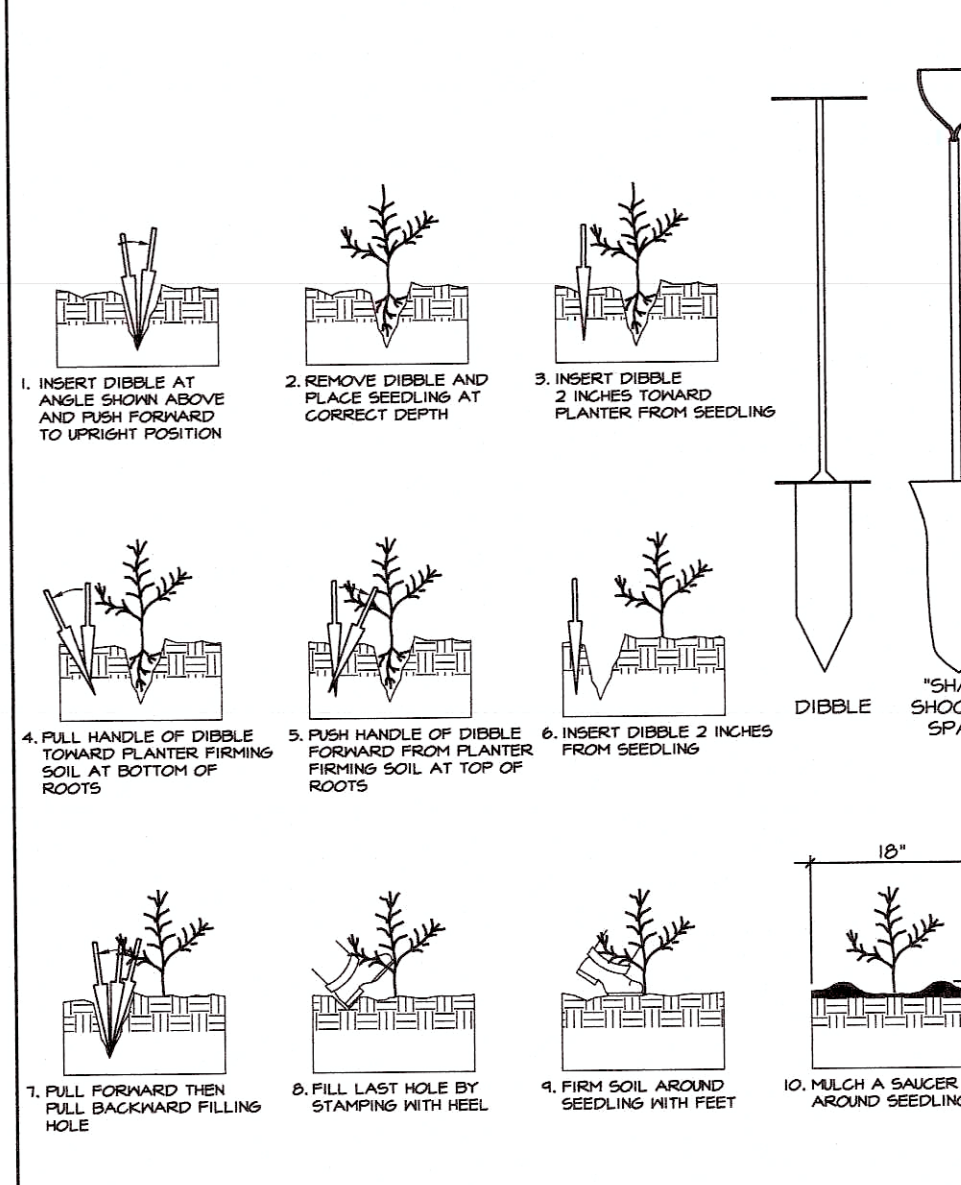


NOTES:
1. Activities during November through February depend on ground conditions.
2. No fall planting of oaks and pines.
3. The pruning and care of trees must be successful when coordinated with the local conditions. The calendar summarizes some of the recommended time frames for best reforestation and stress reduction activities.

- 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. Most soil should then be packed firmly around the roots. Seedlings should be planted at a depth where their roots lie just below ground surface. At projects should not be left after closing the hole 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 contacted and give his approval before planting may begin.

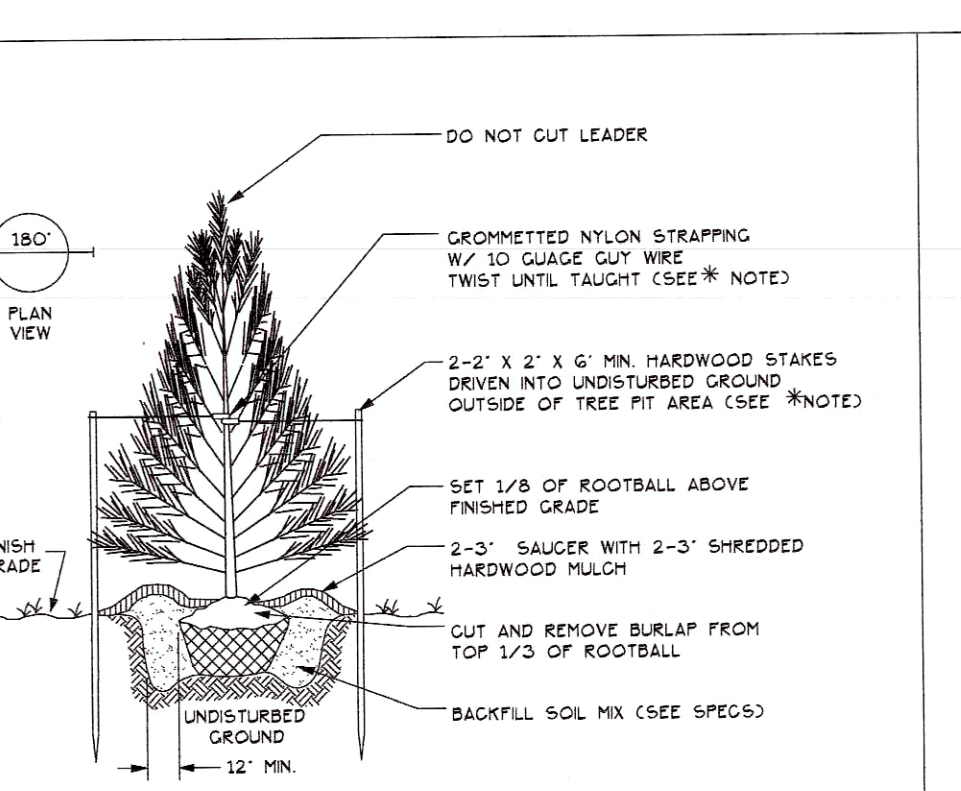
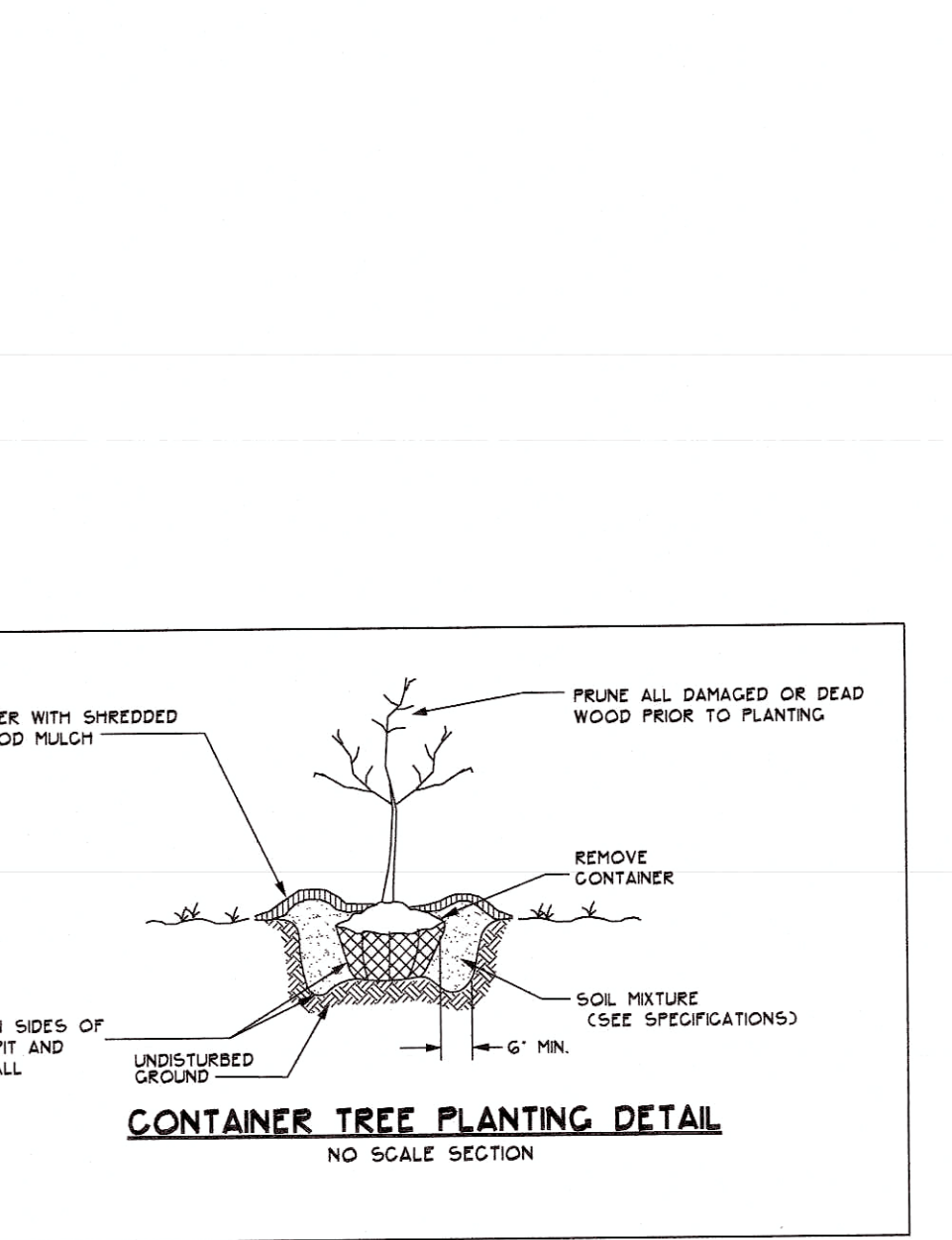
TREE PLANTING AND MAINTENANCE CALENDAR

Source: Adapted from Forest Conservation Manual, FR



SEEDLING PLANTING DETAIL

NOT TO SCALE



EVERGREEN TREE PLANTING DETAIL

NO SCALE SECTION
FOR TREES LESS THAN 1 1/2\"/>

EVERGREEN TREE PLANTING DETAIL

NO SCALE SECTION
FOR TREES LESS THAN 1 1/2\"/>

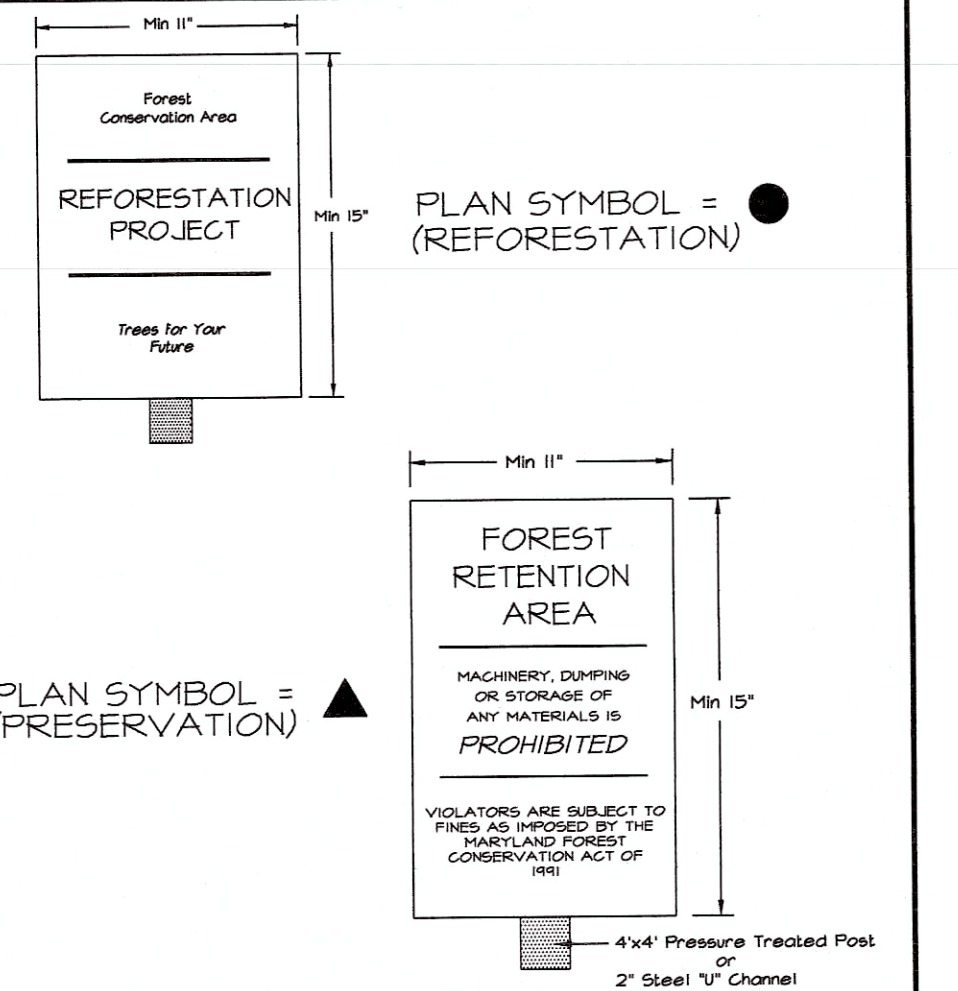
EVERGREEN TREE PLANTING DETAIL

NO SCALE SECTION
FOR TREES LESS THAN 1 1/2\"/>

EVERGREEN TREE PLANTING DETAIL

NO SCALE SECTION
FOR TREES LESS THAN 1 1/2\"/>

EVERGREEN TREE PLANTING DETAIL

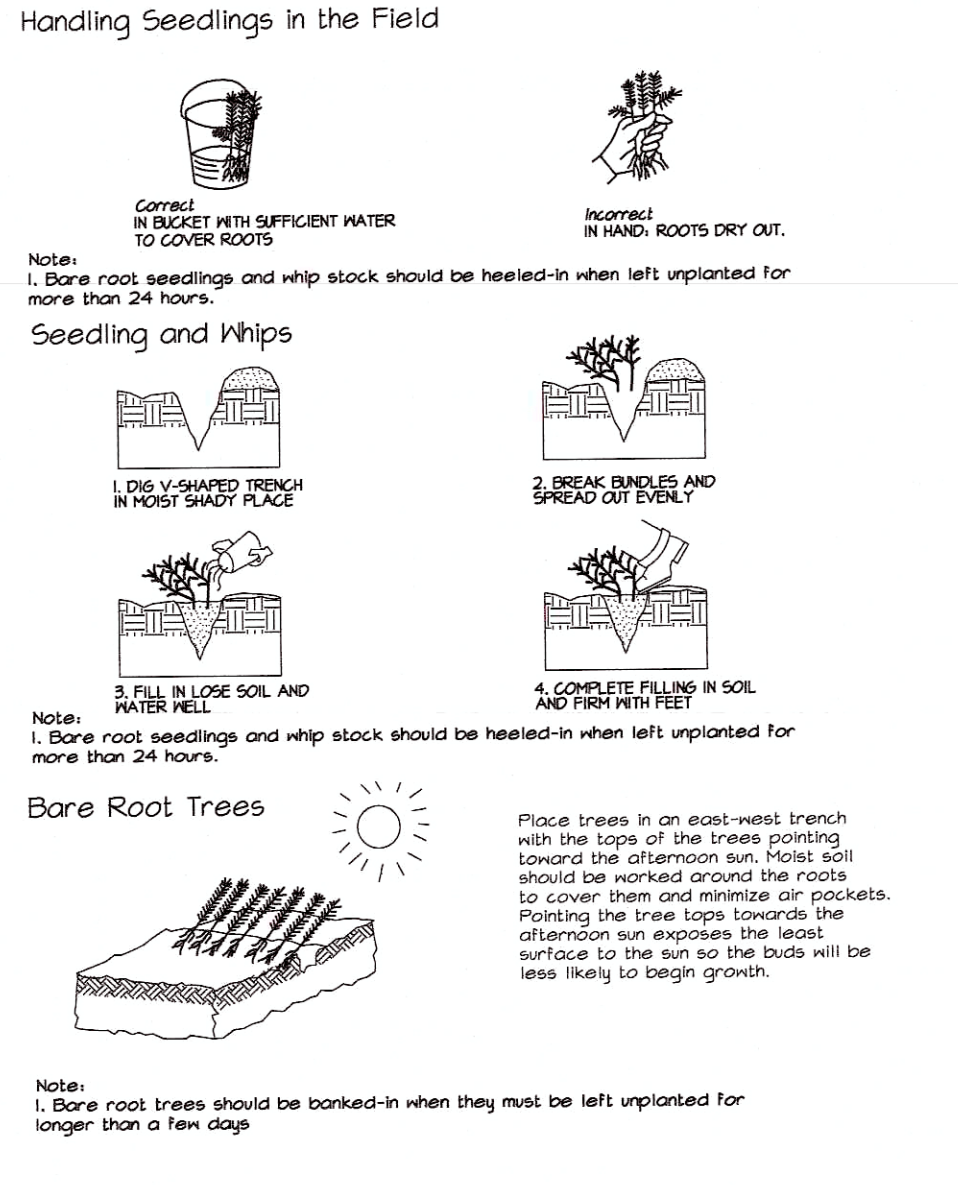


NOTES:
1. Bottom of signs to be no lower than top of tree protection fence but higher than 6\"/>

- Signs to be placed approximately 50' apart. Conditions on site affecting visibility may warrant placing signs closer or farther apart.
- Alcoholism of the contractor is prohibited.
- Signs to be posted on 4x4 pressure treated wood posts driven a minimum of 15' into ground or 2' steel 10' channel (minimum 6' length) driven into ground.
- Signs to be attached to posts with 2 galvanized bolts, each with 2 washers and a galvanized nut.

SIGNAGE

NOT TO SCALE



HANDLING BARE ROOT STOCK

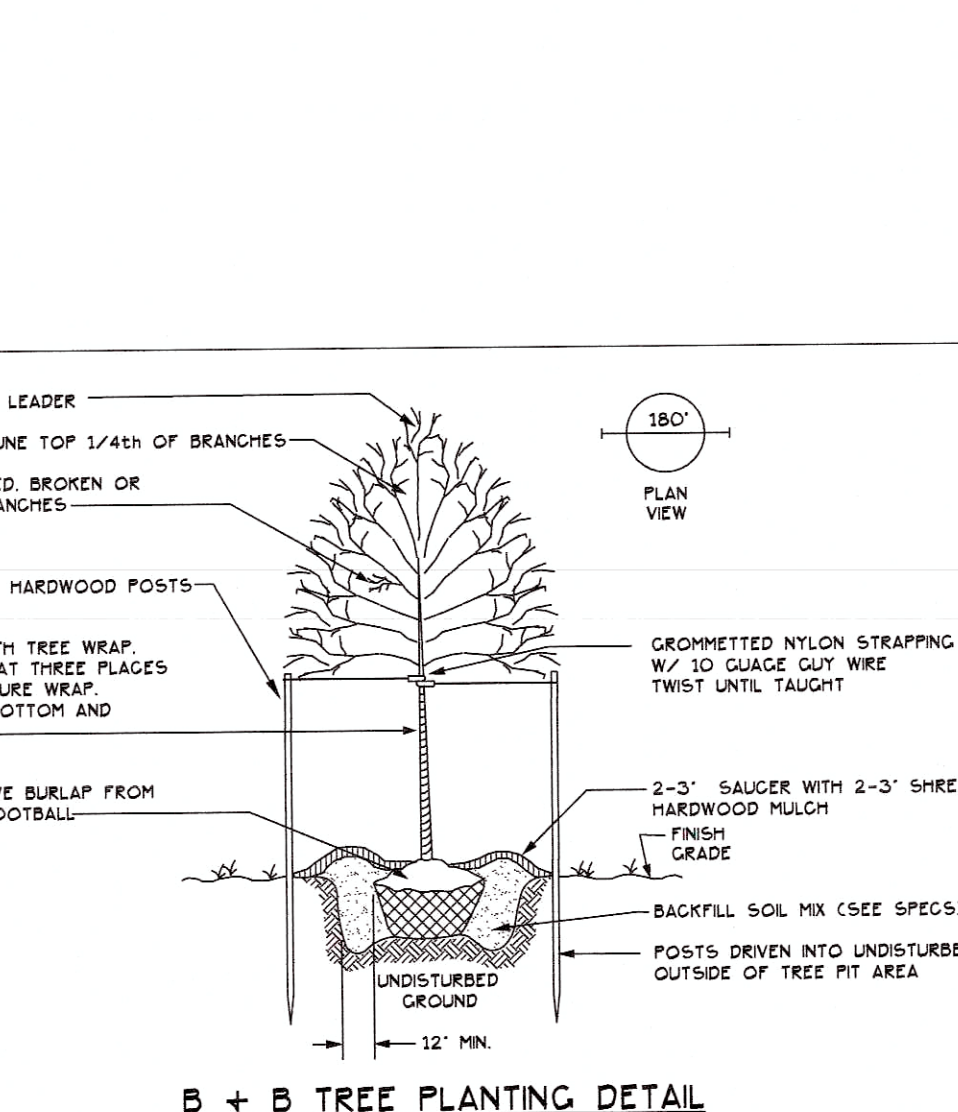
Source: Adapted from Forest Conservation Manual, FR

PLANT SCHEDULE FOR RE/AFFORESTATION

STOCK SPECIFICATION:
100 SEEDLINGS PER ACRE
TOTAL RE/AFFORESTATION PROVIDED: 0.38 ACRES

Reforestation Area	Acreage	Seeding Selection					Total No. of Seedlings
		Tulip Poplar	Sycamore	Red Maple	Red Oak	White Oak	
1	0.16	23	23	23	23	23	115
2	0.12	17	17	17	17	17	85
3	0.11	16	16	16	16	16	80
4	0.59	83	83	83	83	83	415
TOTAL	0.98	139	139	139	139	139	645

- NOTES:
1. All tree/shrub species planted within the re/afforestation areas, should be randomly distributed throughout the proposed re/afforestation area, so as to promote a natural woodland structure. (See Planting Layout detail)
2. In the event of species unavailability, a substitution may be made. Any substitution made requires written notification to MNCPPC, Environmental Planning Section.



B + B TREE PLANTING DETAIL

NO SCALE SECTION
FOR TREES LESS THAN 1 1/2\"/>

B + B TREE PLANTING DETAIL

NO SCALE SECTION
FOR TREES LESS THAN 1 1/2\"/>

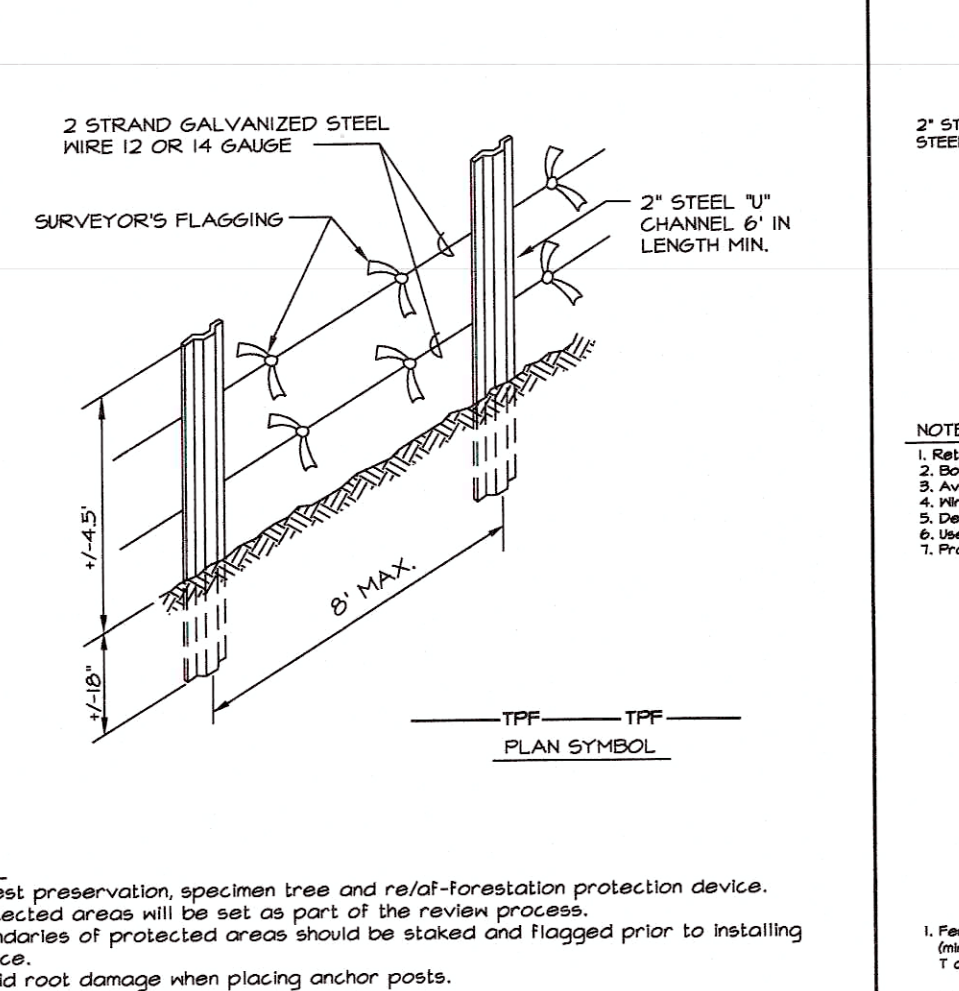
B + B TREE PLANTING DETAIL

NO SCALE SECTION
FOR TREES LESS THAN 1 1/2\"/>

B + B TREE PLANTING DETAIL

NO SCALE SECTION
FOR TREES LESS THAN 1 1/2\"/>

B + B TREE PLANTING DETAIL

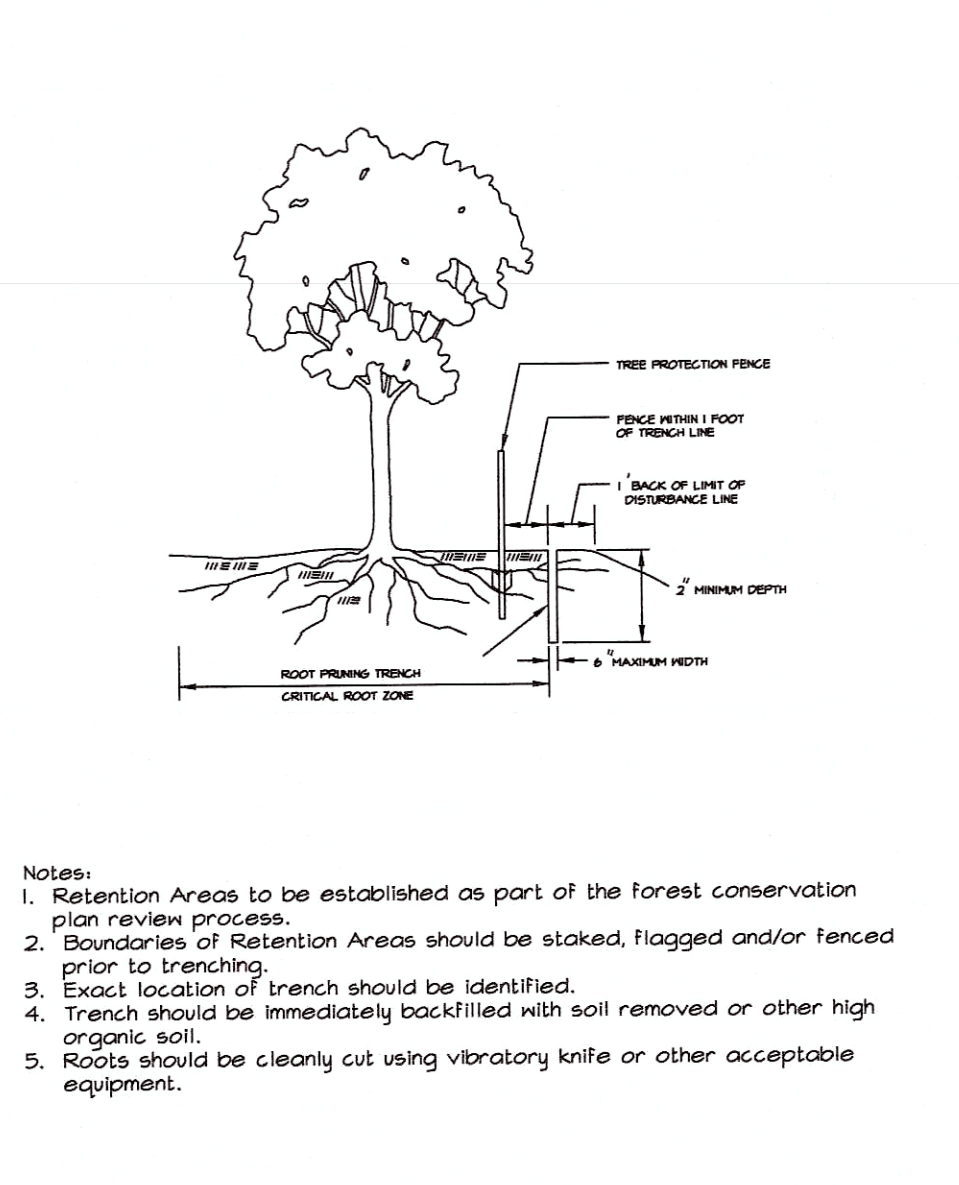


NOTES:
1. Forest preservation, specimen tree and re/afforestation protection device.
2. Protected areas will be set as part of the review process.
3. Boundaries of protected areas should be staked and flagged prior to installing device.
4. Avoid root damage when placing anchor posts.
5. Wire should be securely attached to posts.
6. Device should be properly maintained during construction.
7. Use brightly colored surveyor's flagging every 4'.

- Protective signage is also recommended.
- Construction may use orange tree protection fence or equal according to MD State Forest Conservation Technical Manual Figure D-5.

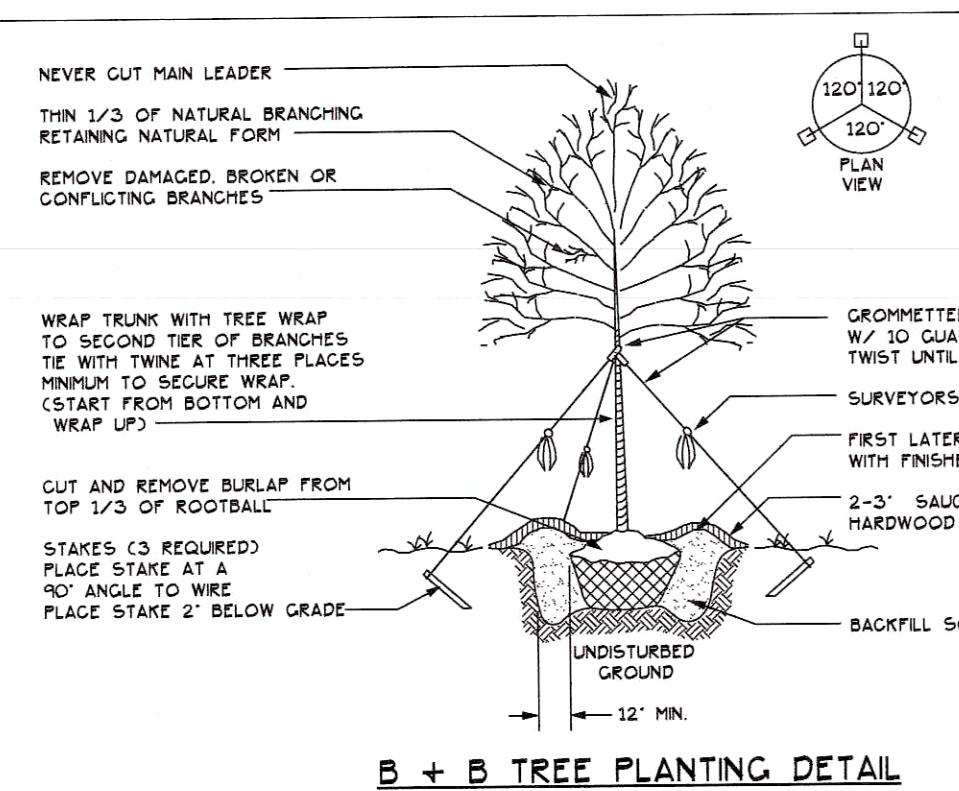
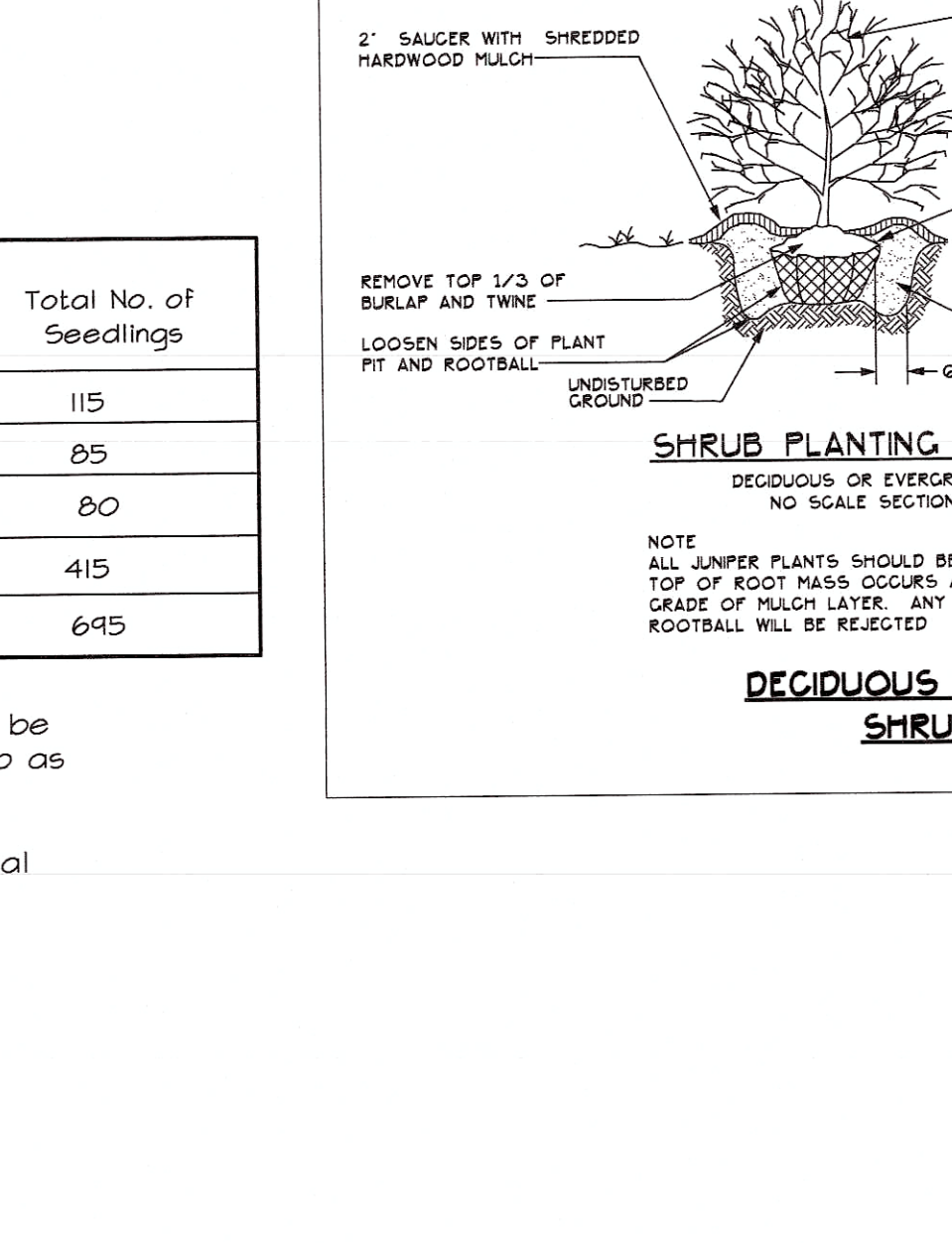
TREE PROTECTION FENCING - TYPE I

NOT TO SCALE



ROOT PRUNING

NOT TO SCALE



B + B TREE PLANTING DETAIL

NO SCALE SECTION
FOR TREES 1 1/2\"/>

B + B TREE PLANTING DETAIL

NO SCALE SECTION
FOR TREES 1 1/2\"/>

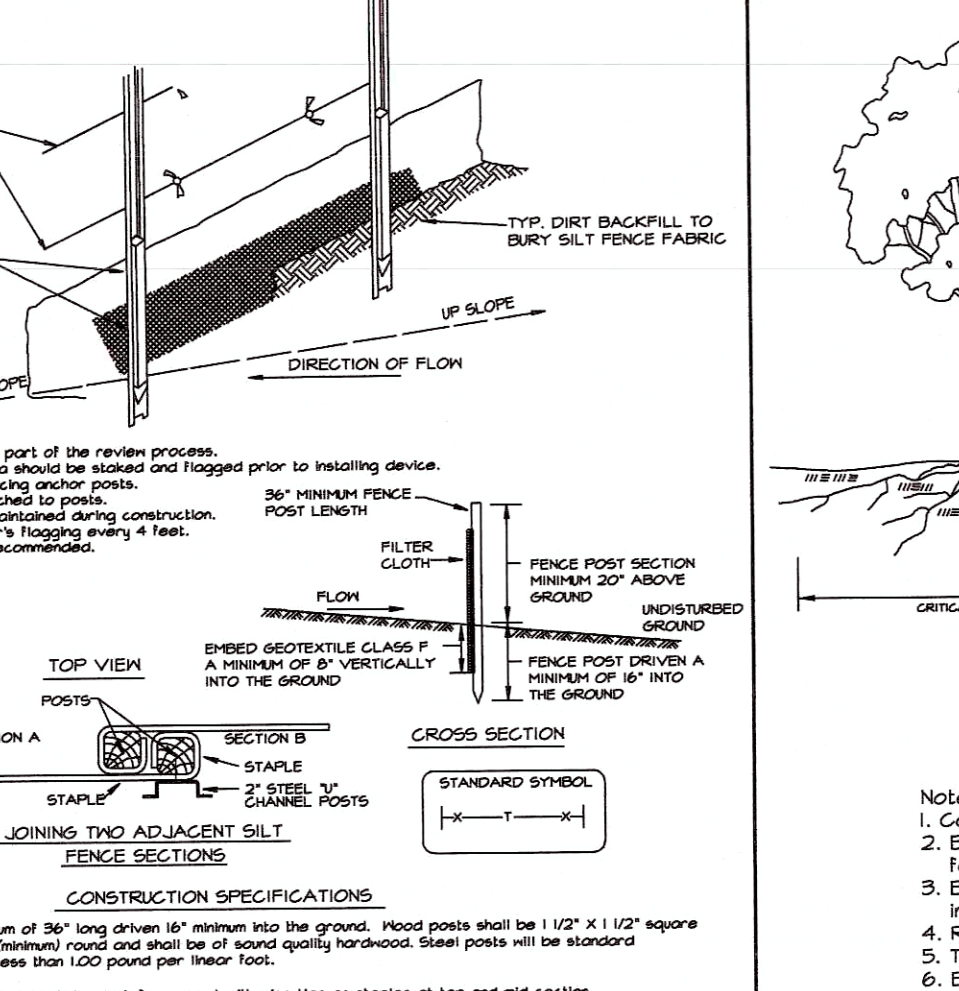
B + B TREE PLANTING DETAIL

NO SCALE SECTION
FOR TREES 1 1/2\"/>

B + B TREE PLANTING DETAIL

NO SCALE SECTION
FOR TREES 1 1/2\"/>

B + B TREE PLANTING DETAIL

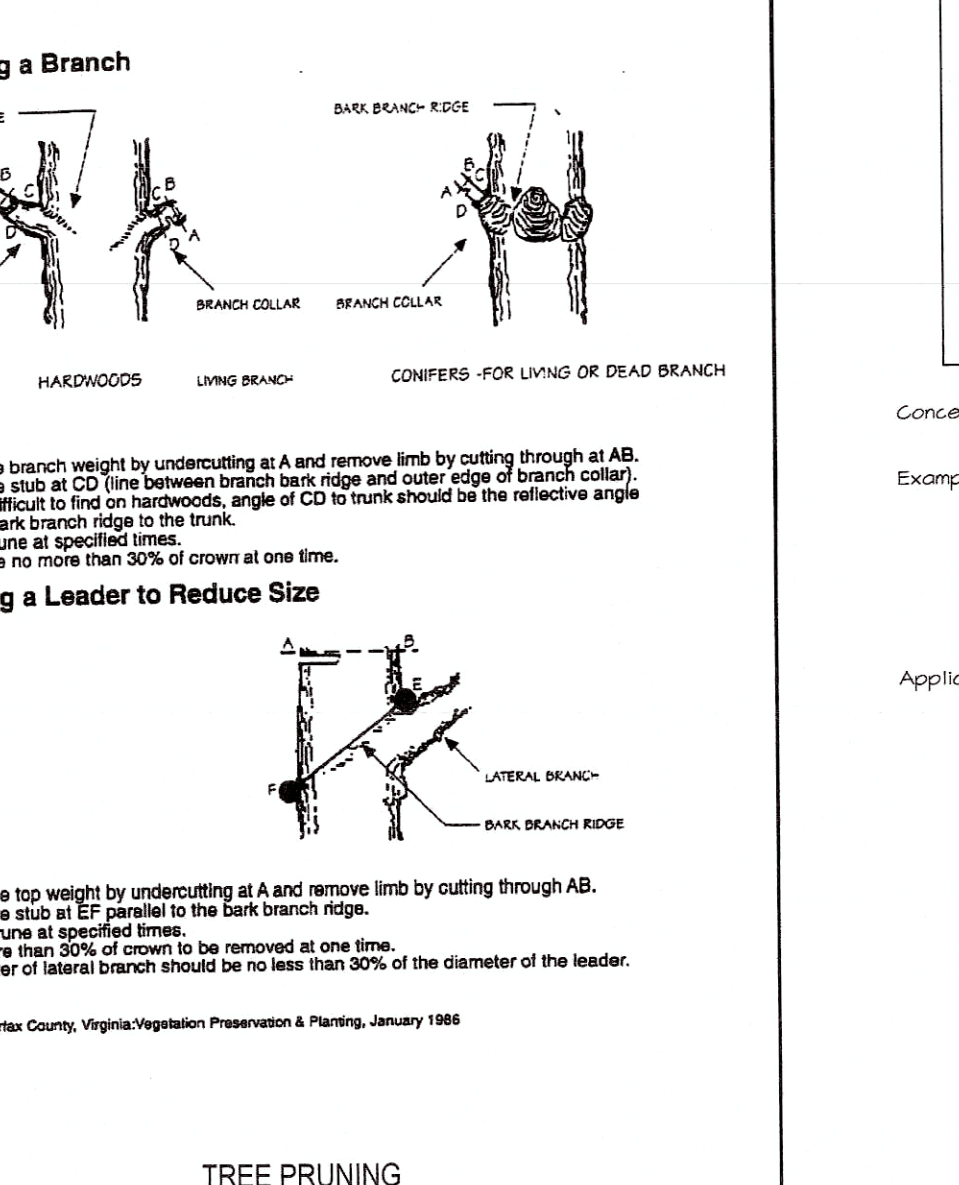


NOTES:
1. Retention Area will be set as part of the review process.
2. Boundaries of Retention Area should be staked and flagged prior to installing protective device.
3. The line of slope should be outside the critical root zone.
4. Root damage should be avoided.
5. The line of slope should be outside the critical root zone of retention area.
6. Equipment is prohibited within critical root zone of retention area.
7. All standard maintenance for earthen dikes and swales apply to these details.
8. All standard reclamation practices for earthen dikes and swales shall apply to these details.

- Protective signage is also recommended.
- Construction may use orange tree protection fence or equal according to MD State Forest Conservation Technical Manual Figure D-5.

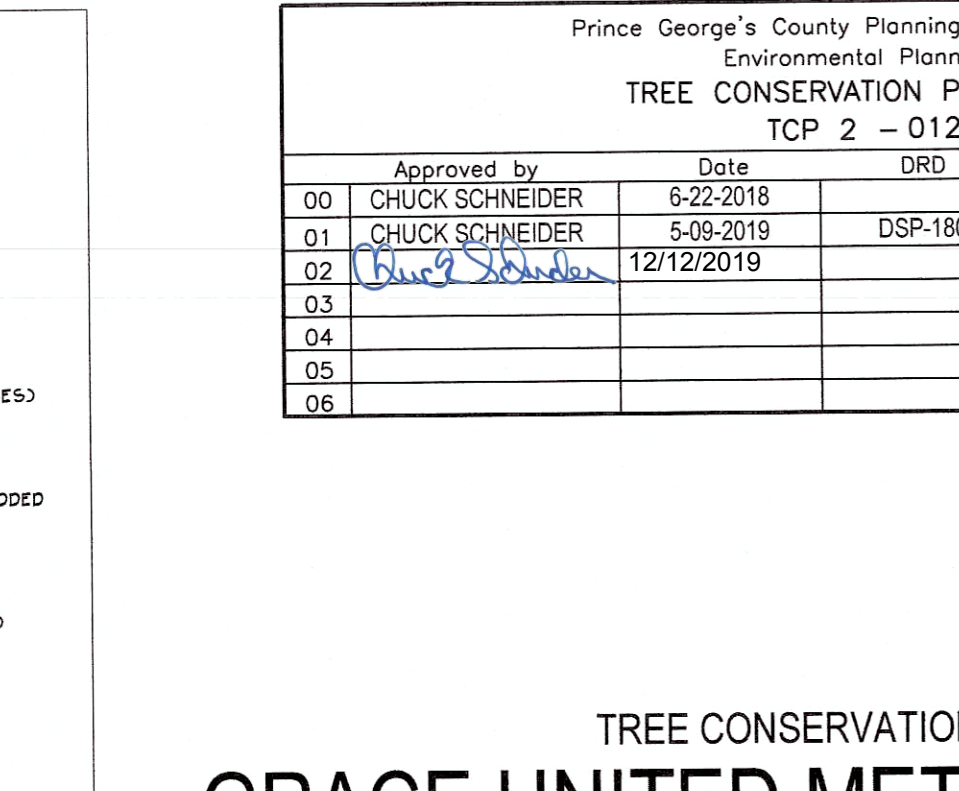
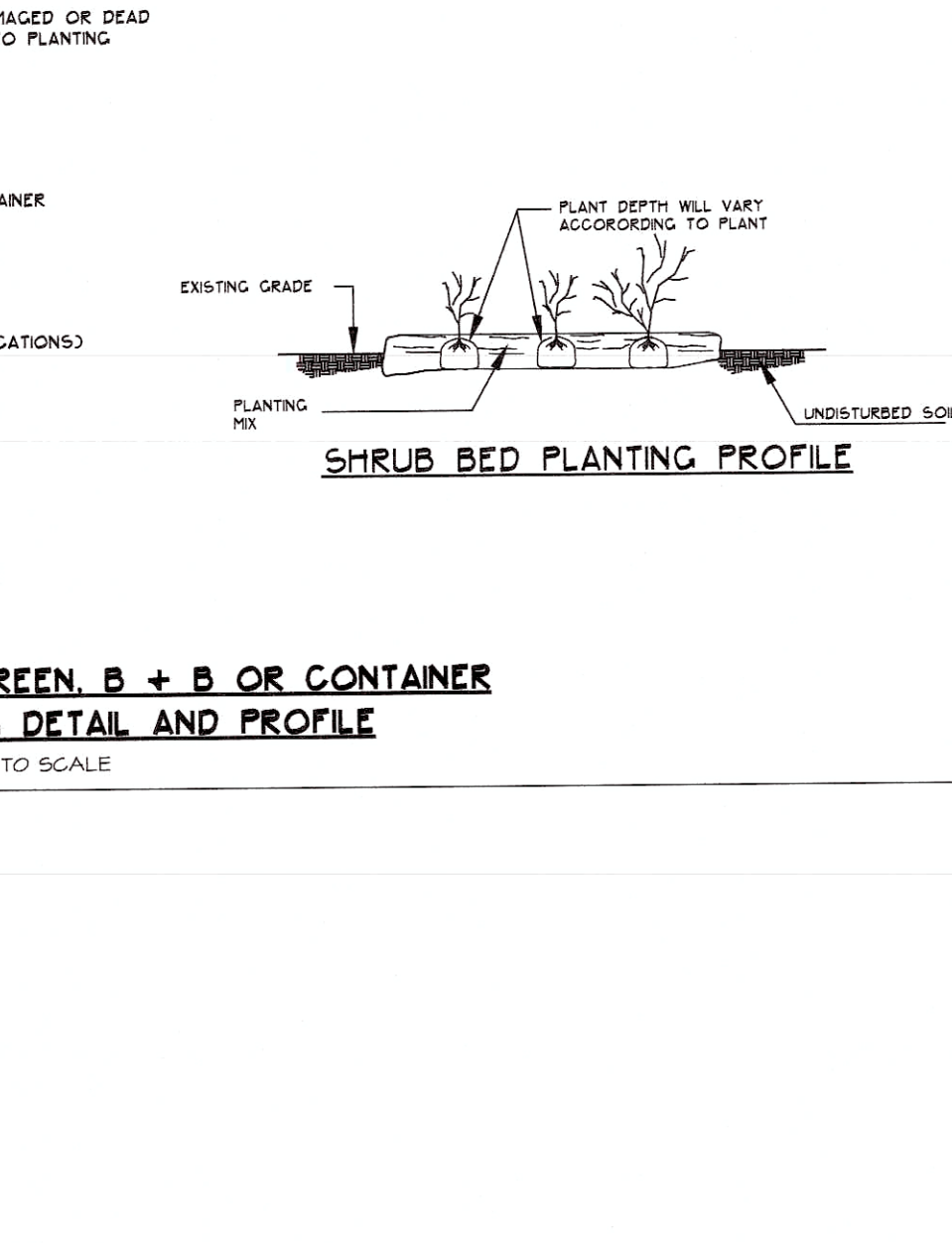
COMBINATION SILT FENCE & TREE PROTECTION - TYPE II

NOT TO SCALE



COMBINATION SILT FENCE & TREE PROTECTION - TYPE II

NOT TO SCALE



COMBINATION SILT FENCE & TREE PROTECTION - TYPE II

NOT TO SCALE

COMBINATION SILT FENCE & TREE PROTECTION - TYPE II

NOT TO SCALE

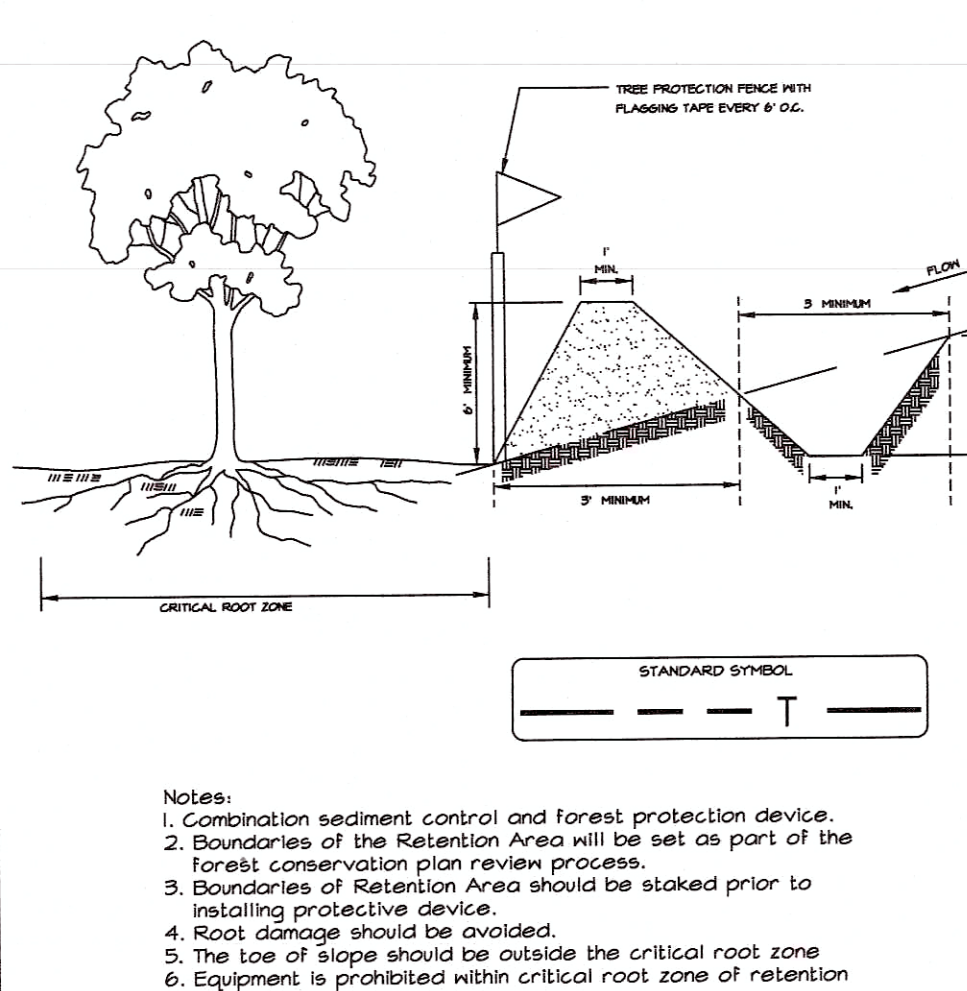
COMBINATION SILT FENCE & TREE PROTECTION - TYPE II

NOT TO SCALE

COMBINATION SILT FENCE & TREE PROTECTION - TYPE II

NOT TO SCALE

COMBINATION SILT FENCE & TREE PROTECTION - TYPE II



NOTES:
1. Combination sediment control and forest protection device.
2. Boundaries of the Retention Area will be set as part of the Forest Conservation plan review process.
3. Boundaries of Retention Area should be staked prior to installing protective device.
4. Root damage should be avoided.
5. The line of slope should be outside the critical root zone of retention area.
6. Equipment is prohibited within critical root zone of retention area.
7. All standard maintenance for earthen dikes and swales apply to these details.
8. All standard reclamation practices for earthen dikes and swales shall apply to these details.

- Protective signage is also recommended.
- Construction may use orange tree protection fence or equal according to MD State Forest Conservation Technical Manual Figure D-5.

COMBINATION EARTH DIKE & TREE PROTECTION - TYPE III

NOT TO SCALE

