

for
Prince George's County

Zone	RA	RA
Gross Tract Area:	22.04	
Floodplain:	7.80	
Previously Dedicated Land:	0.00	
Net Tract Area (NTA):	0.00	14.44

Is this one (1) single family lot? (y/n) ☐ Y Break-even Point: 7.22
Are there prior TCP approvals which include this lot? (y/n) ☐ Y Clearing permitted w/o Reforestation: -2.86

Subdivision Name:

Woodland Conservation Calculations:	Net Tract (acres)	Floodplain (acres)
Existing Woodland	a. 4.36	k. 4.44
WCT = (N 50.00 %)	b. 7.22	
Smaller of "a" or "b"	c. 4.36	
Woodland above WCT	d. 0.00	
Woodland Cleared	e. 0.06	l. 0.00
Smaller of "d" or "e"	f. 0.00	
Woodland Clearing below WCT	g. 0.06	
Replacement Requirement = (f) * 0.25	h. 0.00	
(g) * 2.0	i. 0.12	
Afforestation Requirement = (NTA) x 20.00 %	j. 0.00	
Total Woodland Conservation Required	m. 4.42	

Woodland Conservation Provided:	(acres)
Woodland Preservation	4.36
Reforestation / Replacement	0.00
Afforestation	0.12
Area approved for fee-in-lieu	0.00 = \$
Off-site Mitigation Provided	0.00
Woodland Conservation Provided (must be >= to "m" above)	4.42

Area of woodland on net tract not cleared: 4.30 acres
Woodland retained not part of requirements: 0.00 acres

SOILS LEGEND

SYMBOL	NAME / DESCRIPTION	GROUP
BeA	BELTSVILLE FINE SANDY LOAM, 0 to 2 PERCENT	C
BIA	BELTSVILLE SILT LOAM, 0 to 2 PERCENT SLOPES	C
Bo	BIBB SILT LOAM	D
Ot	OTHELLO SILT LOAM	D
SgB2	SASAFRAS GRAVELLY SANDY LOAM, 2 to 5 PERCENT, MODERATELY ERODED	B

NOTE: PRINCE GEORGES COUNTY SOIL SURVEY, MAP NUMBER 50.

LEGEND

SYMBOL	DESCRIPTION
	Existing 10' Contour Interval
	Existing 5' Contour Interval
	Property / Boundary Line
	Existing Fence
	Centerline of Stream
	Limit of FEMA 100 Year Floodplain
	50' Stream Buffer
	Limit of Trees to be Cleared
	Soil Demarcation Lines
	Existing Woodlands to be Retained
	Proposed Afforestation Area
	TREE PROTECTION DEVICE AND SIGNS

NOTE: THIS PLAN REPRESENTS A PROPOSED REVISION TO A TCP-II APPROVED FOR THE SUBJECT PROPERTY ON 8/14/99 FOR A TIMBER HARVESTING OPERATION. THE REVISED PLAN INCLUDES MINOR CLEARING REQUIRED TO LOCATE A WIRELESS TRANSMITTING FACILITY ON THE SUBJECT PROPERTY.

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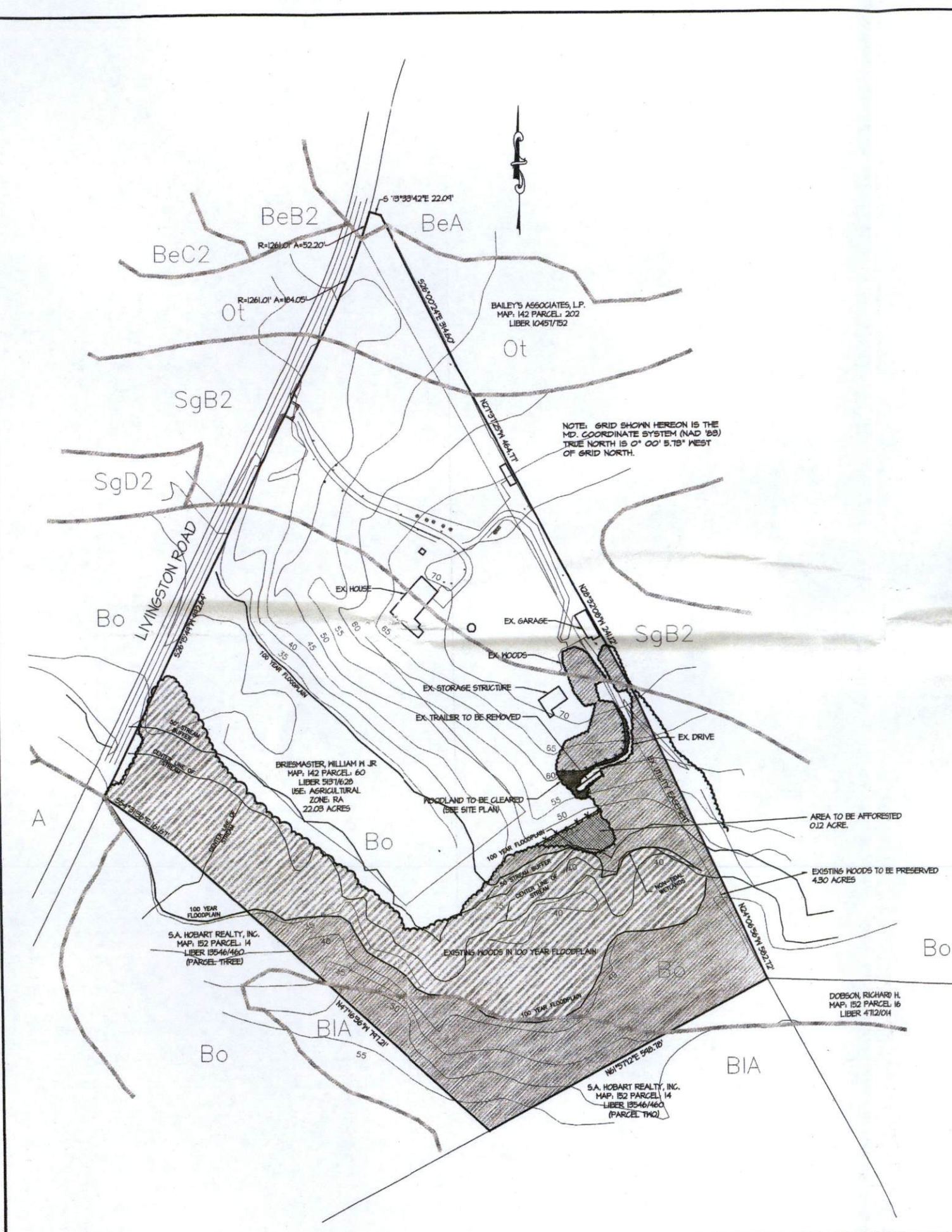
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TCP II PLAN (REVISED 11/26/01)

Site WA54XC778C - Briesmaster Property
14200 Livingston Road
Prince George's County, Maryland

DATE	REVISIONS	JOB NO.:
11/26/01	REVISED TO SHOW PROPOSED CLEARING	12028.15
03/14/02	REVISED TO SHOW WOODLANDS IN FLOODPLAIN, LOCATION OF TPD'S, NEW FC PLANT LIST QUANTITIES, VERBAGE OF "TREES" TO "WOODLANDS"	SCALE: 1" = 100'
		DATE: 11-26-01
		DRAWN BY: DWM
		DESIGN BY: TFM
		REVIEW BY: TFM
		SHEET: 1 of 2

M-NCPPC
Prince George's County Planning Department
Natural Resources Division
APPROVAL
TREE CONSERVATION PLAN
TCP- II/62/99-01
BY DATE 5/08/2002



Planting Specifications (For Reforestation and Afforestation Areas)

1. Quantity: (see Plant Schedule)
2. Type: Seedlings (as specified in the Plant Schedule)
3. Plant Quality Standards: The plants selected shall be healthy and sturdy representatives of the 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 of the root system (both primary and auxiliary/fibrous) shall show evidence of being cut (pruned) or stripped from the plant during the digging process. Substantial auxiliary/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 greenhouse, 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 moist. Planting can extend into the summer months if the seedlings are kept in cold storage (and therefore dormant) until planting. November and early December are also acceptable planting times for this region as cool and cloudy weather is considered ideal.

6. Seedling Planting: Tree seedlings can be hand planted using a dibble bar or sharpshooter 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 root collars lie just below the ground surface. Air pockets 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 Landscape Architect must be contacted and give his approval before planting may begin.

7. Spacing: See Plant Schedule and/or Planting Plan for spacing requirement. Also refer to the Planting Layout detail for a description of the general planting theory.

8. 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, and according to the instructions provided by:

The Soil Testing Laboratory
Agronomy Department
H.L. Patterson Hall
University of Maryland
College Park, Maryland 20742

These field tests will be processed for \$5 each, which includes the soil laboratory sending the test results to the Cooperative Extension Service of Prince George's County at the University of Maryland, who will then make recommendations for improving the existing soil. The soil will be tested and recommended for corrections of soil texture, pH, magnesium, phosphorous, potassium, calcium and organic matter.

9. Soil Improvement Measures: The soil shall then be improved according to the recommendations made by the Cooperative Extension Service.

10. Fencing & Signage: (see Reforestation Area Fence Detail)

11. Planting Method: See the Planting Distribution Patterns Diagram.

12. Mulching: Apply 2" thick layer of wood chip or shredded hardwood mulch (as noted) to each planting site (see detail).

13. Ground cover Establishment: The remaining disturbed area between seedling planting sites shall be seeded and stabilized in accordance with the 1994 Standards and Specifications for Soil Erosion and Sediment Control.

14. Mowing: The stabilized area within the seedling planting area is to be mowed once a year during the growing season, until the seedlings attain a height of 4' or more. Care must be taken to identify seedling by walking and/or flagging seedlings prior to mowing activity.

15. Survival Check for Bond Release: The seedling planting is to be checked at the end of each year for two years to assure that no less than 100% of the original planted quantity survives.

16. Source of Seedlings: MD Forest, Park and Wildlife Service in Bowie, MD; Phone 464-3065.

GENERAL NOTES FOR TREE CONSERVATION

1. 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 \$1.50 per square foot mitigation fee.

2. The Department of Environmental Resources (DER) Inspectors Office must be contacted prior to the start of any work on the site to address implementation of Tree conservation Measures shown on this Plan.

3. 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 fines for unauthorized disturbances in 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 Areas.

4. 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 activities have been satisfied. Three copies of the bonds are submitted with the grading permit application.

5. The location of all Tree Protective Devices (TPD's) shown on this Plan shall be flagged or staked in the field prior to the pre-construction meeting with the DER Inspectors. Upon approval of the flagged or staked TPD locations by the Inspector, installation of the TPD's may begin. TPD installation shall be completed prior to installation of initial sediment controls. No cutting or clearing of trees may begin before final approval of the TPD installation.

6. All field personnel including equipment operators and supervisors who might work or direct work in the vicinity of protected trees are to be instructed in techniques for avoiding damage to these trees.

7. The layout of the construction site shall provide for special marked areas for fueling, oil changing and equipment maintenance, employee parking and for material storage and stockpiling. These areas shall be located as to prevent the deposit of silt or the washing or leaching of petroleum products or other harmful substances into the tree-save areas.

8. The following are not allowed within a tree-save area:

Depositing of refuse, construction debris, spoil, petroleum products, vehicle or equipment waste water.

Dumping of limbs, stumps, and other clearing debris.

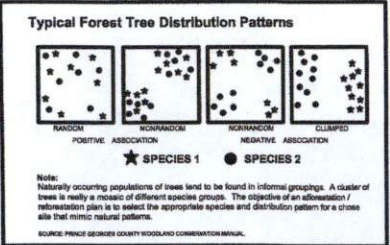
Driving of any vehicle or equipment.

Storage or stockpiling of materials and supplies.

Lighting of any fire, including cooking and warming fires.

9. Woodland Conservation Tree Save Areas and/or Reforestation shall be posted as shown at the same time as the Tree Protective Device installation and/or start of reforestation activities. These signs shall remain in place until sediment control devices are authorized to be removed.

10. Prior to installation of sediment control devices and tree protection fencing, a 16" deep root pruning where limit of disturbance is shown along proposed woodland edges shall be completed using either a vibratory plow with a serrated blade or a circular type blade. A chain trencher shall not be used. A single topical application of B-1 upstart fertilizer such as "Roots" shall be applied after completion of root pruning.



Planting Distribution Patterns
Use Random Method

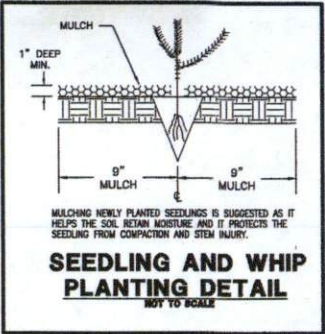
Figure A:19

PLANT SCHEDULE FOR AFFORESTATION

Afforestation areas shall be a randomized mix of
Tulip Poplar (33.3%), Sweetgum (33.3%), and
Northern Red Oak (33.3%).

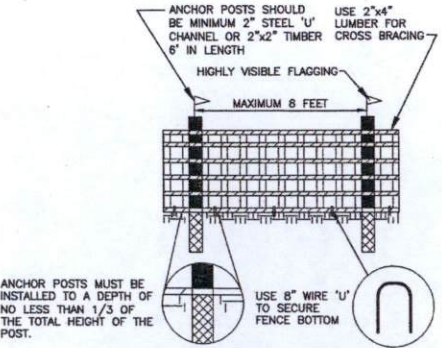
FOREST CONSERVATION PLANT LIST			
QTY	BOTANICAL NAME	COMMON NAME	REMARKS
40	Liriodendron tulipifera	Tulip Poplar	Seedlings, 10' O.G.
40	Liquidambar styraciflua	Sweetgum	Seedlings, 10' O.G.
40	Quercus rubra	Northern Red Oak	Seedlings, 10' O.G.

EXHIBIT H-6



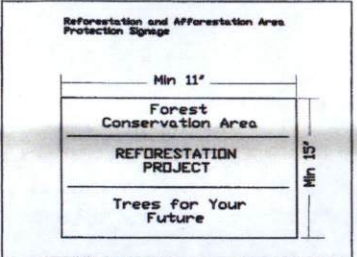
M-NCPPC
Prince George's County Planning Department
Natural Resources Division
APPROVAL
TREE CONSERVATION PLAN
TCP- #162199-01
BY KIFM/DATE 5/10/2002

BLAZE ORANGE PLASTIC MESH



- NOTES:
1. FOREST RETENTION DEVICE ONLY
 2. RETENTION AREA WILL BE SET AS PART OF THE REVIEW PROCESS.
 3. BOUNDARIES OF RETENTION AREA SHOULD BE STAKED AND FLAGGED PRIOR TO INSTALLING DEVICE.
 4. ROOT DAMAGE SHOULD BE AVOIDED.
 5. PROTECTIVE SIGNAGE MAY ALSO BE USED.
 6. DEVICE SHOULD BE MAINTAINED THROUGHOUT
- SOURCE: PRINCE GEORGE'S COUNTY, MARYLAND, CONSTRUCTION WOODLAND CONSERVATION MANUAL

EXHIBIT G - 16



Mount on pressure treated wood post with galvanized lag bolts. Post shall be 8' height 2" in ground. Base of sign shall be above top of tree protection fence (4' from ground). Space signs 30' apart.

Signs similar to protection signage for Retention Areas can be used on Afforestation and Reforestation Areas. The signs notify construction workers and future residents of the newly planted material, improving the trees survival rates.

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	NEW FC PLANT LIST QUANTITIES, VERBAGE OF "TREES" TO "WOODLANDS"	DATE: 11-26-01
		DRAWN BY: DWM
		DESIGN BY: TFM
		REVIEW BY: TFM
		SHEET: 2 of 2