

TES, INC.  
 Planners  
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 TES, INC.  
 1-800-11  
 1004-7







<u>WCA</u>	<u>AREA</u>
1	0.62 Acres
2	0.37 Acres
3	0.90 Acres
4	2.25 Acres
5	0.98 Acres
6	0.57 Acres
7	7.63 Acres
8	1.74 Acres
9	0.77 Acres
10	2.54 Acres
11	0.20 Acres
12	2.55 Acres
Proposed Clearing Shown 21.12 Acres	

**WOODLAND PRESERVATION AREA NOTES**

1. All existing woodland within the R-2-zoned portion of the property (0.016 AC.) is counted numerically in establishing the Woodland Conservation Threshold. However, not all of the certain of these woodlands have been determined to be less valuable than other woodlands existing in priority areas within the R-2 zone. Therefore, these less desirable woodlands in the R-2 zone are not counted in the Woodland Conservation Threshold. The remaining woodlands in the R-2 zone are not subject to any requirements. Because separate worksheets have been prepared for each zone, any of these less desirable woodlands in the R-2 zone that are ultimately required to be removed will be mitigated at 2:1 because the clearing would be below the MGT.

2. Of the existing woodland within the R-2-zoned portion of the property that is proposed to be preserved, 4.17 acres are designated as "high quality" woodlands. The preservation requirement of the R-2 zone, 4.17 acres are designated to meet the HC requirement of the R-2 zone, and 4,107 acres are designated as woodland. The R-2 zone does not have any other requirements.

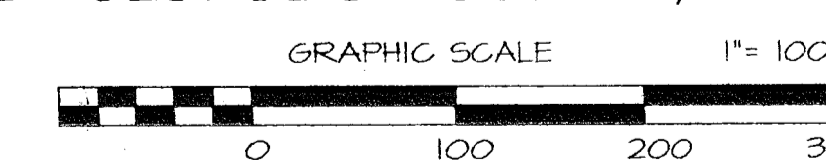
The map displays the following areas and features:

- Index contour**: A dashed line indicating a specific elevation or boundary.
- Intermediate contour (Aerial topo only)**: A solid line representing a contour line derived from aerial topography.
- Zoning Boundary**: A thick black line separating different land use zones.
- R-1A ZONE** and **R-5 ZONE**: Residential zones located in the upper right portion of the map.
- Non-tidal Wetlands**: Areas marked with a horizontal line pattern.
- Wetland of Special State Concern**: Areas marked with a wavy line pattern.
- Primary Management Area (PMA)**: A large area in the center-left, outlined by a thick black line.
- Approx. 100 Year Floodplain Limits**: Indicated by a dashed line labeled 'FP'.
- Ex. Treeless**: A horizontal line with a cross-hatch pattern.
- Woodland Retained**: A horizontal line with a diagonal line pattern.
- Woodland Requiring Treatments**: A horizontal line with a wavy line pattern.
- Woodland Clearing areas (NCA)**: A rectangular area with a diagonal line pattern.
- PMA Variation Area**: A solid black rectangular area.
- Woodland Preservation Area (NPA)**: A rectangular area with a cross-hatch pattern.

### PRIMARY MANAGEMENT AREA (PMA) COMPONENTS

- Perennial streams
- 50' from top of stream bank
- 100-year floodplain
- Adjacent slopes of 25% or greater
- Highly erodible soils on 15% slopes or greater
- Areas necessary to protect the stream or 100-year floodplain
- Nontidal wetland areas
- 25' wetland buffers
- Wetlands of Special State Concern
- 100' Special Wetland Buffer

TREE CONSERVATION PLAN ~ TYPE II  
 LANDS OF TIERCO MARYLAND, INC.  
**SIX FLAGS AMERICA**  
 QUEEN ANNE DISTRICT No. 7  
 PRINCE GEORGE'S COUNTY, MARYLAND



OWNER / APPLICANT  
TIERCO MARYLAND, INC  
P.O. BOX 4210  
LARGO, MD 20775  
ATTN: JANET PORTER

[illegible]

- Any tree cutting or clearing on this site not in conformance with this plan or without the expressed written consent of the Planning Commission may be subject to a fine of \$150 per acre-foot of woodland damaged or destroyed.
- The Department of Environmental Resources (DER) inspectors shall be contacted prior to the start of any work on the site to allow implementation of Tree Conservation Measures shown on the plan.
- Property owners shall be notified by the Developer or Contractor, of any Woodland Conservation Areas (Tree Save Areas, Rehabilitation Areas, etc.) on the project site. These areas shall be retained in their lot or parcel of land and the associated fines for unauthorized disturbances in those areas.
- All appropriate bonds will be posted with the Building Official prior to the start of any work on the project. These bonds shall be retained in full by the Building Official until all required activities have been satisfied. Three copies of the bonds are submitted with the grading permit application.
- The location of all Tree Protection Devices (TPDs) 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 locations, the TPDs shall be installed and shall remain in place until the TPD installation is completed or prior to installation of permanent controls. No trees shall be cleared or removed without the approval of the TPD installer.

2. Quantity: See Plant Schedule
3. Plants: (see Plant Schedule)
  - a. Plant Quality Standards: The plants selected shall be healthy and closely representative 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 and adjacent to the stem) shall be at least 1/2" in diameter, well developed and at least 5" long. No more than twenty-five percent (25%) of the root system (both primary and auxiliary/feeder roots) shall show evidence of being cut or removed, except from the plant during the digging process. Seasonal auxiliary/feeder roots shall be present.
  - b. Plant Condition: Plants that do not have an abundance of well developed terminal buds on the leaders and branches shall be rejected.
  - c. Plant Handling: Plants shall be shipped by the nursery immediately after lifting from the field or removal from the greenhouse, and planted immediately upon receipt at the tender care site.

hold check the non-restoration area according to the following schedule:

Year 1:	Site Preparation and Tree Planting Survival check 3 times (March-April, April-July, August-October) one time Weed control if needed (2 x in May) Control of undesirable vegetation as needed (1 x in June & September min)
Year 2-3:	Reestablishment planting if needed (see Note 2) Survival check twice (April-May) April (Sept.-Oct.) Control of undesirable vegetation if needed (1 x in May & 1 x in August min)
Year 4-5:	Reestablishment planting if needed (see Note 2) Survival check once annually (May-September)

Notes:

1. Survival check: Check above ground stems against plant lists (as per bulb) by walking the site and taking inventory. Plant lists must show vegetation, 5x6 inch field data cards (condition check sheets) to record each inspection.
2. Reestablishment: 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 alternate plant species.
3. Miscellaneous: Fertilization or watering during years 1 through 3 is optional. An irrigation system may be installed if irrigation or recommendations will be conducted on an as needed basis. Remove perimeter fencing and signage after year 5 based on the data.

- 1 Prior to any disturbance of the site, the tree-save lines shall be field located by surveying techniques and the appropriate tree protective device (see detail) shall be encased along these designated lines. Once established, the protective device shall be maintained throughout the project, including any cutting or other clearing, grubbing or grading operations being. All equipment shall be maintained in good working order and shall be used in the immediate vicinity. Devices shall be maintained throughout construction. Attachment of signs, or any other objects, to trees is prohibited. Equipment, material, and vehicles shall not obstruct excessive pedestrian traffic shall be allowed within protected areas.
- 2 After the boundaries of the retention area have been staked and flagged and before any disturbance has taken place on site, a pre-construction control line shall be established and clearly marked by the contractor or project manager, and appropriate local inspectors shall be notified.
- 3 Only after flagging, stabilization, and removal of controls has been accomplished may reforestation be initiated. All methods and specifications provided herein shall be strictly followed.

NO REFORESTATION REQUIRED OR PROPOSED AT THIS TIME

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(AGGREGATE DISTRIBUTION DRIFT THEORY)

Legend:   
 ○ (dot) core node   
 ○ (cross) tree   
 ○ (+) AJV-different   
 - - - - - drift path

- 1) All existing turf, ground covers, and invasive species shall be exterminated using a general broadcast herbicide such as "Round-up" or equivalent.
- 2) Care shall be taken to avoid spraying any hardseeded seedlings or saplings.
- 3) The removal of turf areas and manual removal of invasive species shall be completed two weeks after chemical treatments are completed.
- 4) A strand wire fencing on any road frontage adjacent to any reforestation area shall be installed.
- 5) A sign shall be posted on the internal site that be posted as required in the direction of any trails used to reach those areas.
- 6) The maintenance shall include annual maintenance of the designated areas. The maintenance shall, at a minimum, require removal of any saplings and seedlings that are not native to the area.
- 7) This maintenance shall occur for a period of two years.
- 8) After one and two years all desirable seedlings and saplings shall be counted.
- 9) If after two years there is less than one seedling per 60 square feet, the area shall be reseeded.
- 10) If after two years the owners shall plant those areas with conifer ground seedlings at a rate of one per 60 square feet. Only natural seedlings shall be counted.

Agronomy Department,  
H.J. Patterson Hall  
University of Maryland  
College Park, Maryland 20742.

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 Methods: Consult the Planting Detail(s) shown on this plan.
12. Mulching: Apply 2" thick layer of woodchip or shredded hardwood mulch (as noted) to each planting site (see detail shown on this plan).
13. Seeds and Seed Distribution: The sowing disclosed on area between seedling

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SCALE: NOT TO SCALE

The diagram illustrates the required buffer zones for two types of protected areas:

- SPECIMEN TREE:** A tree with a diameter of 100 cm is shown. A buffer zone of 12m is indicated around it. The area is marked with "DO NOT REMOVE" and "PROHIBITED".
- FOREST RETENTION AREA:** A larger area is shown with a buffer zone of 15m. The area is marked with "HARVESTING, EXTERIOR OR STORAGE OF ANY MATERIAL IS PROHIBITED" and "DO NOT REMOVE".

Below the diagram, the text states: "Prior to production signage for Retention Areas can be used as Afforestation and Reforestation under the wetlands, and future condition of the replant classed."

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Matching newly planted seedlings is suggested as it helps the soil retain moisture and it protects the seedling from compaction and stem injury.

tection device only.  
The sign shall be set on part of the revenue process.  
The Protection Area should be marked and flagged prior to installing  
damage when placing anchor posts.  
Be secured attached to posts.  
The property maintained during construction.  
Control surveyor's fencing every 4'.  
Signage is also recommended.  
You may use blower green protection fence or equal according to MD  
14 Conservation Technical Manual Figure D-5.

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COMBINATION SILT FENCE & TREE PROTECTION TYPE II  
NOT TO SCALE

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**LANDS OF TIERCO MARYLAND, INC.**  
**SIX FLAGS AMERICA**  
 QUEEN ANNE DISTRICT No. 7  
 PRINCE GEORGE'S COUNTY, MARYLAND

M-NCPPC  
Prince George's County Planning Department  
Natural Resources Division  
**APPROVAL**  
TREE CONSERVATION PLAN  
JCP - *12/15/98*  
*John P. Mahoney* *6/27/00*  
BY DATE

Sheet 5 of 5 (for Sheet 1-4, See BDAI Dwg. No. 54.004.005.007 & 1.008-Z)

12/21/60		PRO PROFESSIONAL, RACE LABORATORY, MULTIPLE DESIGNS	
DATE		DESIGNED BY: DEN DYER ASSOCIATES, INC.	
		Engineers / Surveyors / Planners	
		TELEPHONE: 408-930-9200	
Kevin Hodge Kevin E. Hodge Quality Control COMAR 08/19/01		DRAWN BY: TAC KCH SCALE: As Shown DATE: NOVEMBER 1998 DRAWING NO. 54.004-Z	
5/23/00	Rev. Dwg. No. 1 (Created 4-00 scale sheets per MDHC contracts)	DATE	REVISION DESCRIPTION