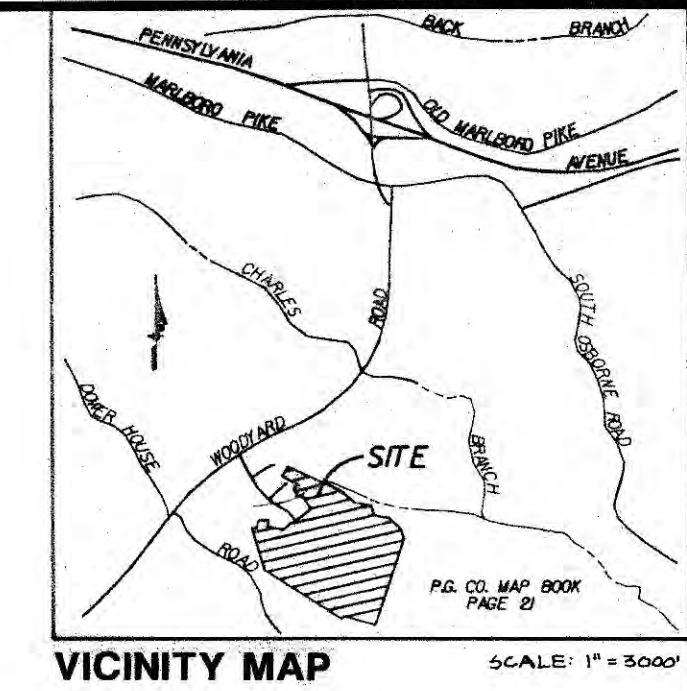
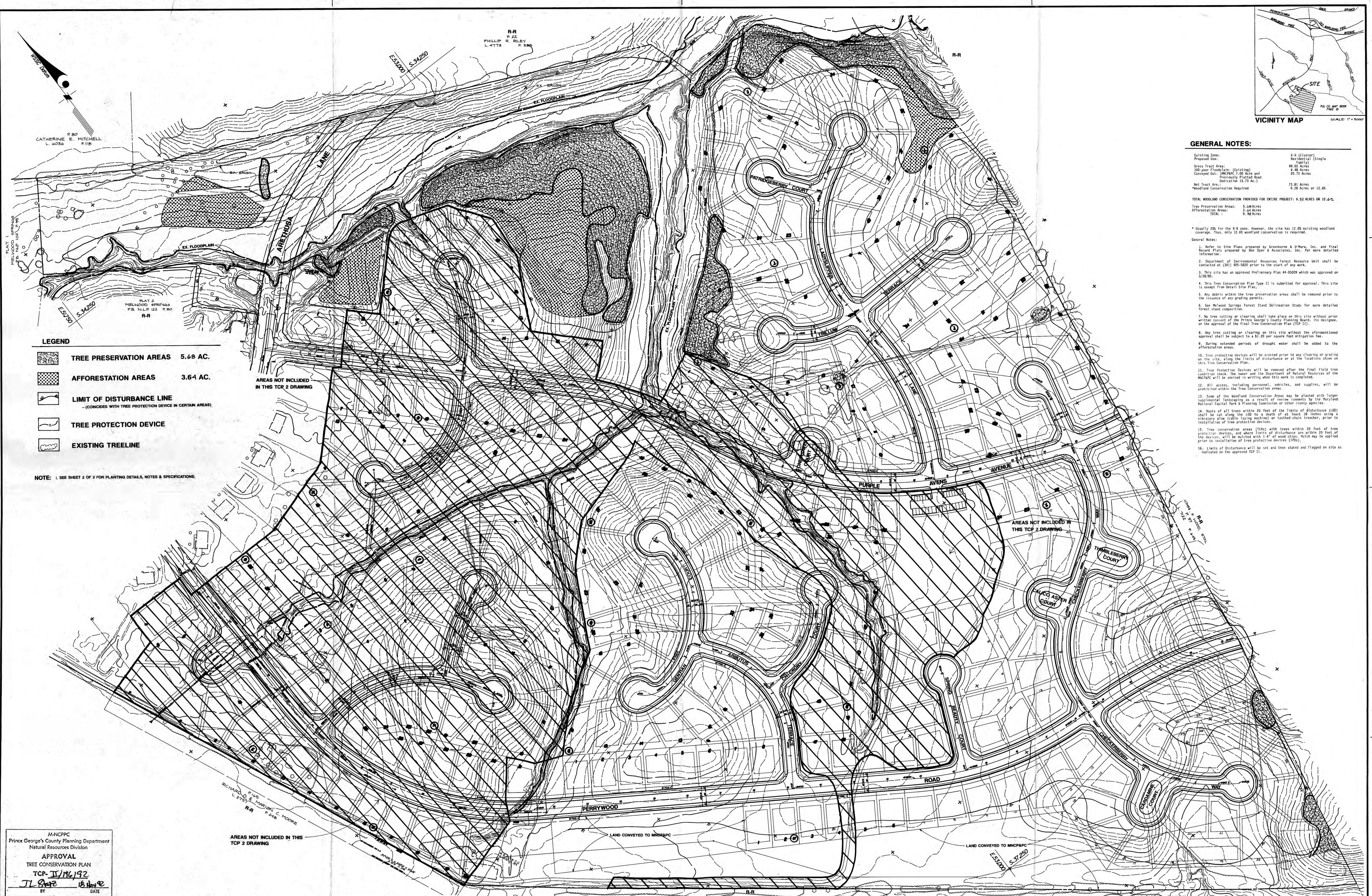




GENERAL NOTES:

Existing Zone:	R-R (Cluster)
Proposed Use:	Residential (Single Family)
Gross Tract Area:	99.00 Acres
100-year Floodplain:	4.60 Acres
Conveyed Out:	196PARC 7.00 Acres and Previously Platted Road 20.73 Acres
Net Tract Area:	73.81 Acres
Woodland Conservation Required:	9.28 Acres or 12.6%
TOTAL WOODLAND CONSERVATION PROVIDED FOR ENTIRE PROJECT: 9.32 ACRES OR 12.6%.	
Tree Preservation Areas:	5.68 Acres
Afforestation Areas:	3.64 Acres
TOTAL:	9.32 Acres

- * Usually 20% for the R-R zone. However, the site has 12.6% existing woodland coverage. Thus, only 12.6% woodland conservation is required.
- General Notes:
- Refer to Site Plan prepared by Greenhorne & O'Mara, Inc. and final Record Plans prepared by Ben Dyer & Associates, Inc. for more detailed information.
 - Department of Environmental Resources Forest Resource Unit shall be contacted at (301) 895-5820 prior to the start of any work.
 - This site has an approved Preliminary Plan #4-85020 which was approved on 1/28/92.
 - This Tree Conservation Plan Type II is submitted for approval. This site is exempt from Detail Site Plan.
 - Any debris within the tree preservation areas shall be removed prior to the issuance of any grading permits.
 - See Melwood Springs Forest Stand Delineation Study for more detailed forest stand composition.
 - No tree cutting or clearing shall take place on this site without prior written consent of the Prince George's County Planning Board, its designee, or the approval of the final Tree Conservation Plan (TCP II).
 - Any tree cutting or clearing on this site without the aforementioned approval shall be subject to a \$1.00 per square foot mitigation fee.
 - During extended periods of drought water shall be added to the afforestation areas.
 - Tree protective devices will be erected prior to any clearing or grading on the site, along the limits of disturbance or at the locations shown on this Tree Conservation Plan.
 - Tree Protective Devices will be removed after the final field tree condition check. The owner and the Department of Natural Resources of the MNCPPC will be advised in writing when this work is completed.
 - All access, including personnel, vehicles, and supplies, will be prohibited within the Tree Conservation Areas.
 - Some of the Woodland Conservation Areas may be planted with larger suppression landscaping as a result of review comments by the Maryland National Capital Park & Planning Commission or other county agencies.
 - Roots of all trees within 20 feet of the limits of disturbance (LOD) shall be cut along the LOD to a depth of at least 18 inches using a vibratory plow cable laying machine or tooth-chain trencher, prior to installation of tree protective devices.
 - Tree conservation areas (TCAs) with trees within 30 feet of tree protective devices, and where limits of disturbance are within 20 feet of the devices, will be mulched with 1" of wood chips. Mulch may be applied prior to installation of tree protective devices (TPDs).
 - Limits of Disturbance will be set and then staked and flagged on site as indicated on the approved TCP II.

- LEGEND**
- TREE PRESERVATION AREAS** 5.68 AC.
 - AFFORESTATION AREAS** 3.64 AC.
 - LIMIT OF DISTURBANCE LINE**
-- (COINCIDES WITH TREE PROTECTION DEVICE IN CERTAIN AREAS)
 - TREE PROTECTION DEVICE**
 - EXISTING TREELINE**

NOTE: 1. SEE SHEET 2 OF 2 FOR PLANTING DETAILS, NOTES & SPECIFICATIONS.

MNCPPC
Prince George's County Planning Department
Natural Resources Division
APPROVAL
TREE CONSERVATION PLAN
TCP II/16/92
JL 8/92 18 Nov 92
BY DATE

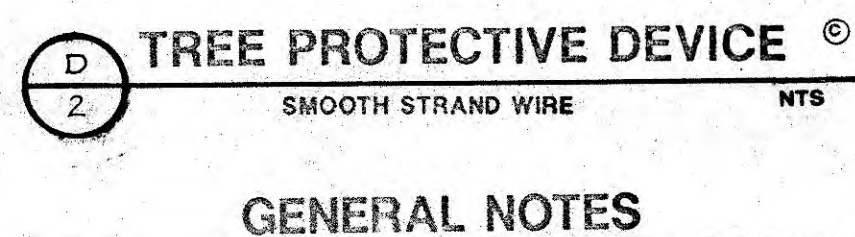
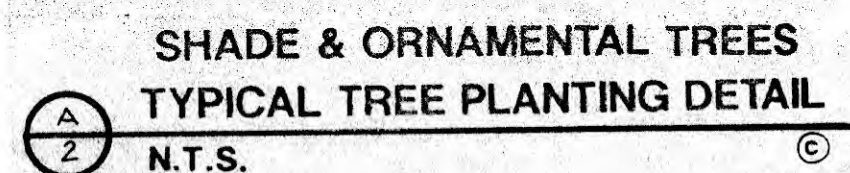


No.	REVISION	DATE	BY
1.	AS SUBMITTED	10/16/92	KM
2.	REVISED PER MNCPPC COMMENTS	11/17/92	KM



ENGINEERS • ARCHITECTS • PLANNERS • SCIENTISTS • SURVEYORS • PHOTOGRAMMETRISTS
GREENHORNE & O'MARA, INC.
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TREE CONSERVATION PLAN TYPE 2	
KM DESIGN	SCALE 1"=100'
KM DRAWN	1 OF 2
KM/GJR CHECKED	SHEET
SEPT '92 DATE	JOB No.
FILE No.	



- TREE PROTECTIVE DEVICE - SMOOTH WIRE FENCE**
1. LIMITS OF DISTURBANCE WILL BE SET AND THEN STAKED AND/OR FLAGGED ON SITE AS PART OF THE REVIEW PROCESS FOR AN APPROVED TREE CONSERVATION PLAN TYPE 2.
2. TREE PROTECTIVE DEVICE LOCATIONS WILL CORRESPOND TO THE LOCATION OF THE LIMITS OF DISTURBANCE AND/OR WHERE SHOWN ON THIS PLAN, AND WILL BE INSTALLED PRIOR TO ANY DISTURBANCE OR CLEARING ACTIVITY ON THE SITE AND SHALL NOT BE MOVED. IN NO CIRCUMSTANCES WILL THE TREE PROTECTIVE DEVICES BE TOLERATED, WITHOUT AFORESAID LIAISON APPROVAL. SHALL BE THE QUALITY OF THE CONSTRUCTION OF THE TREE PROTECTIVE DEVICES.
3. FENCE POSTS WILL BE A MINIMUM OF 1 3/4 INCHES X 1 INCH STEEL U CHANNEL OR AT X 2" X 2" LUMBER, SPACED NO MORE THAN 8 FEET APART. POSTS WILL BE PLACED AT FOURTEEN (14) FEET INTERVALS PLACED TO AVOID DAMAGING LARGE TREES AND SHALL BE INSTALLED AS FOLLOWS:
4. WIRE SHOULD BE EVENLY SPACED ALONG THE HEIGHT OF THE POSTS, AND FASTENED SECURELY TO THE POSTS. MINIMUM ACCEPTABLE WIRE IS 30KVAIN 14 GAUGE. MINIMUM TREE PROTECTION D-RING HEIGHT IS 10 FEET (4' ABOVE GRADE).
5. FLAGGING WILL BE A STRIP AT LEAST 1 INCH WIDE AND 12 INCHES LONG SPACED TO THE TOP WIRE, AT THE APPROXIMATE CENTER OF THE STRIP.
6. SPACING THE FLAGGING STRIPS AT ABOUT EQUAL DISTANCE BETWEEN POSTS, WITH THE STRIP CENTERED ON THE STRIP.
7. TREE CONSERVATION AREA SIGNS WILL BE SECURELY ATTACHED TO AT LEAST EVERY FIFTH (5TH) POST.
8. TREE PROTECTIVE DEVICES, FLAGGING, AND SIGNS SHALL BE REMOVED AT COMPLETION OF FINAL GRADING, BUT MAINTAINED BY THE CONTRACTOR UNTIL THEN.
9. ROOTS OF ALL TREES WITHIN 25 FEET OF THE LIMITS OF DISTURBANCE SHALL BE CUT ALONG THE LIMITS OF DISTURBANCE TO A DEPTH OF AT LEAST 18 INCHES BELOW THE SURFACE OF THE SOIL. THE CUTTING SHALL BE DONE USING A BACKHOE, TRENCHER, PRIOR TO INSTALLATION OF TREE PROTECTIVE DEVICES OR START OF GRADING.
10. TREE CONSERVATION AREAS WILL BE MULCHED FROM THE TREE PROTECTIVE DEVICE TO 20 FEET FROM THE LIMITS OF DISTURBANCE. MULCH (SEE TREE MULCHING DETAIL), THE MULCH MAY BE WOOD CHIPS, STRAW, OR LEAVES.
11. SEDIMENT AND EROSION CONTROL MEASURES WILL COMPLY WITH THE SEDIMENT CONTROL ACT AND THE EROSION CONTROL ACT. THE MEASURES MAY BE A FENCE, EROSION CONTROL DISTRICT, AND MAY INCLUDE COMBINATIONS OF SEDIMENT CONTROL, DEPENDING WITH TREE CONSERVATION AREA PROTECTIVE DEVICE FENCING, IF SO SHOWN ON THIS PLAN.
12. THIS DESIGN WAS PREPARED FROM THE BEST INFORMATION AVAILABLE AND BASED ON THE JUDGMENT AND EXPERIENCE OF THE PREPARER. GREINWORTH & O'BRIEN, INC. SHALL NOT BE LIABLE FOR DAMAGES OR LOSSES INCURRED THROUGHOUT THE WORKING DESIGN.

A cross-sectional diagram of a tree protective device (fence) installed around two trees. The diagram shows a vertical fence post on the right side, connected to a horizontal base. The base is labeled "TREE PROTECTIVE DEVICE (FENCE)". The ground is covered with mulch. The mulch depth is indicated as "1' DEEP" on the left and "4' DEEP" on the right. The distance between the two trees is marked as "20'".

PLANT LIST

Trees: (Planted @ 100/Acre)			
Species	Height	Container	Qty.
Red Maple (Acer rubrum)	3'	3 gal.	120
Green Ash (Fraxinus americana)	3'	3 gal.	120
Red Oak (Quercus rubra)	3'	3 gal.	120
Total Trees			360
Seedlings: (Planted @ 1,050/Acre)			
Species			Qty.
Red Maple (Acer rubrum)			525
River Birch (Betula nigra)			561
Green Ash (Fraxinus americana)			561
Sweetgum (Liquidambar styraciflua)			560
Yellow Poplar (Liriodendron tulipifera)			570
Sycamore (Platanus occidentalis)			580
Red Oak (Quercus rubra)			525
Total Seedlings			3,816

NOTE: The contractor shall plant at his own discretion a tree or seedling of the same species in a particular location as shown on the typical detail. The design intent is to randomly distribute plant species and sizes so as to provide a total of 100 trees and 1,060 seedlings per acre.

**TYPICAL DETAIL -
REFORESTATION / AFFORESTATION**

LEGEND

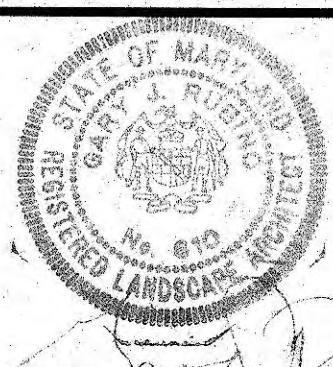
- * RED MAPLE
 * SWEETGUM
 ⊕ RED OAK
 —x— TREE PROTECTION DEVICE
 ○ GREEN ASH
 * SYCAMORE
 □ YELLOW POPLAR
 △ RIVER BIRCH

PLANTING DETAIL

GENERAL NOTES:

1. After final fine grading, entire enhancement area will have composed sewage sludge and leaf litter evenly distributed to a depth of 3-4". These will be covered with a 2" layer of topsoil and planted with seedlings.
2. Trees will be of sizes, types, and numbers listed on the Plant List, planted in a random mix of species on roughly 25 foot centers in rows up to eight feet apart. No three trees are to be planted in a straight line in a row. (See attached plantings list for details) (See Attachment 1) (See NRE AC)
3. All plants shall meet or exceed American Association of Nurserymen Standards for Nursery Stock.
4. The planting contractor shall: guarantee a minimum of 70% survival of the plants for three (3) years from the date of planting. Plants that do not survive shall be replaced during the first year and twice during the third year, but not more than once per quarter, and records shall be kept of all plantings. If a plant dies, the contractor shall replace it with the same species and size, or larger, as originally planted. The contractor will not be responsible for losses due to conditions beyond his control, or after the guarantee period.
5. Tree survival will be checked at the end of the guarantee period by the planting contractor data recorded, and provided to the Owner and the NREAC.
6. The contractor is liable for any damages he causes during planting and/or inspections to any fences, roads, paved paths, utilities, or other improvements on private or public grounds.
7. After final grades are installed, areas to be planted with seedlings shall be covered with a 2" layer of topsoil and disturbed with a top dressed with a minimum of 6 inches of topsoil from on-site stockpiles.
8. Seedlings will be hand planted using random distribution of species and locations, at an average of 1,060 trees per acre (average spacing of 6 x 7' or more).
9. Seedlings will be graded for quality, especially root systems, before planting, and shown by 'local' sources.
10. If any trees discovered by inspection within 30 days of planting to be improperly planted will be replanted or replaced, at the owner's option. If 20% or more of seedlings are improperly planted, the entire stand may be replanted.

M-NCPPC
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APPROVAL
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TCP- II/196/92
JL Desj 18 Nov 92
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[illegible]

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THIS SHEET IS FOR TREE CONSERVATION PURPOSES ONLY!

DETAILS, NOTES & SPECIFICATIONS

MELWOOD SPRINGS
MELWOOD (15th) ELECTION DISTRICT
PRINCE GEORGE'S COUNTY, MARYLAND

KM DESIGN	SCALE AS SHOWN	
KM DRAWN	2 OF 2	
KM/GJR CHECKED		
	SHEET	
SEPT. '92 DATE	JOB No.	5972-W FILE No.