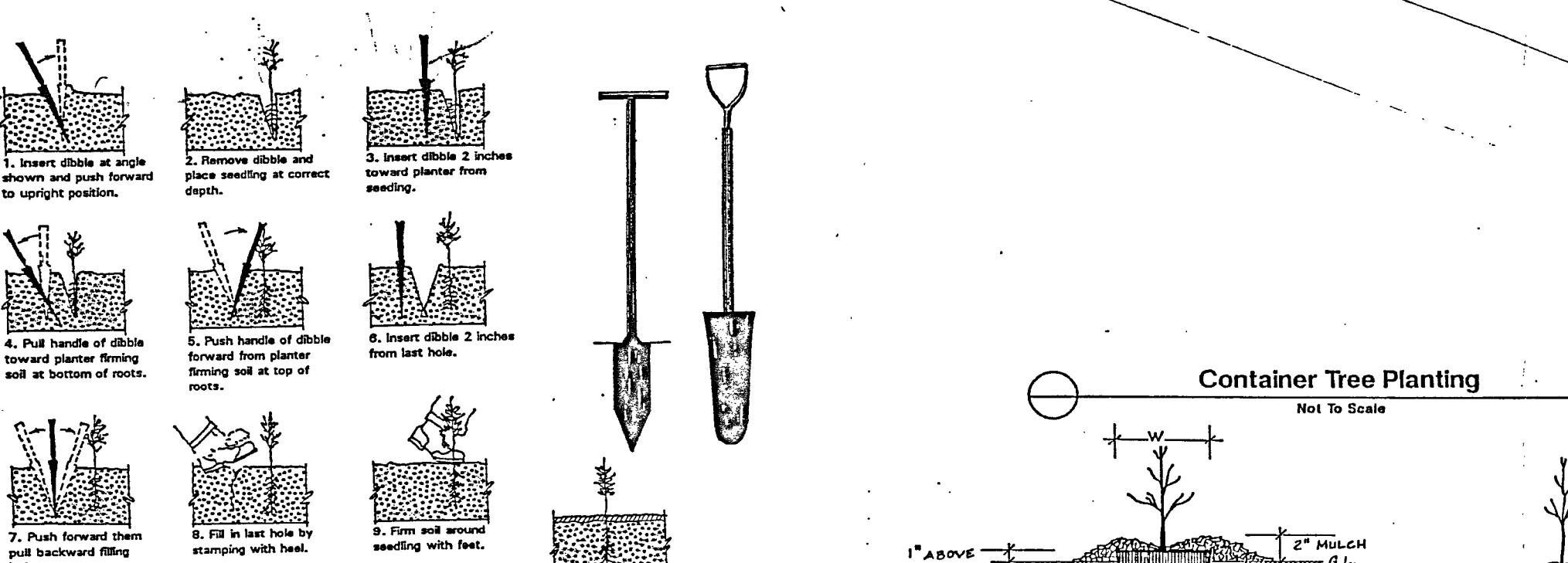


PRE-CONSTRUCTION ACTIVITIES

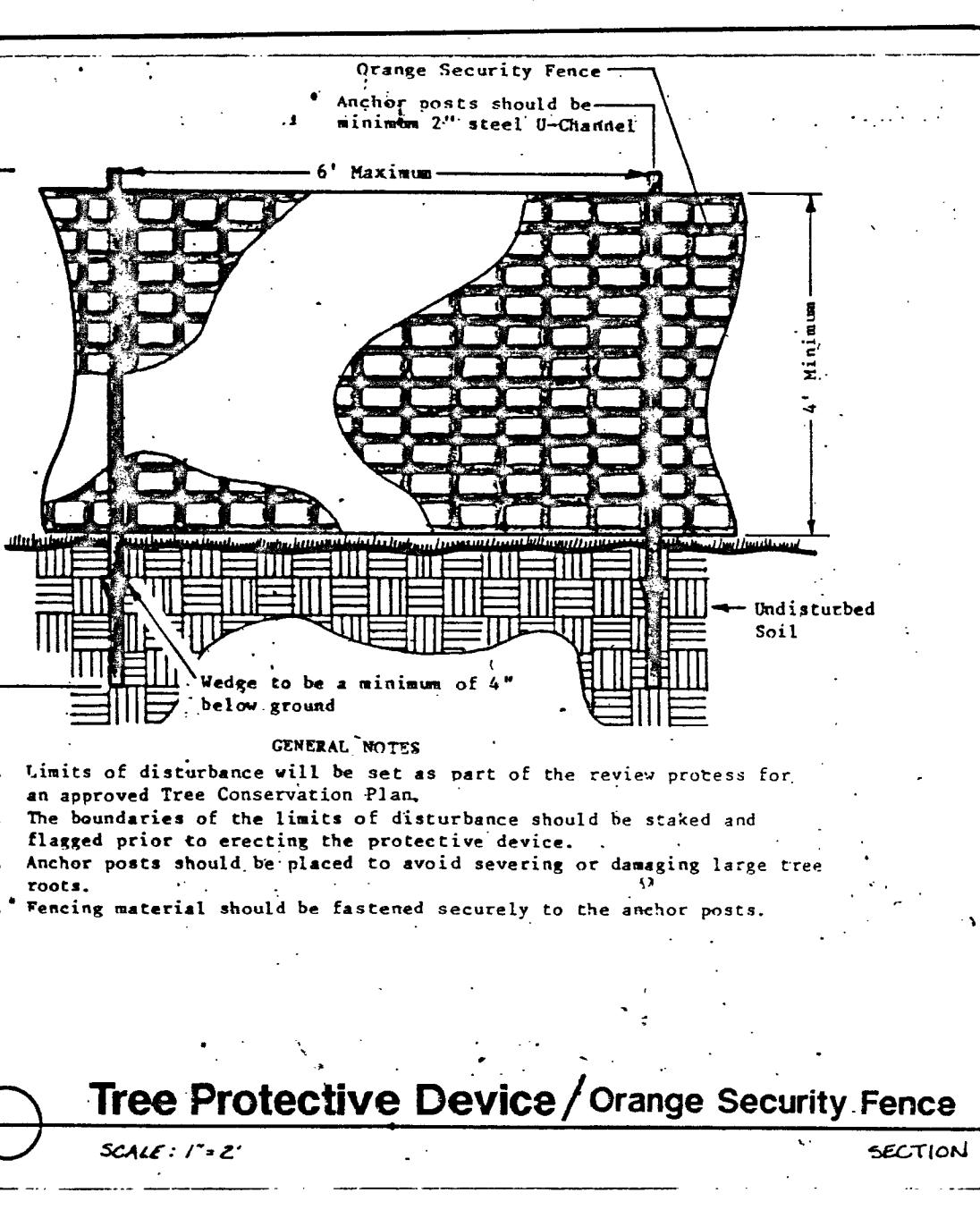
- Prior to any disturbance of the site, the tree save lines shall be field located by surveying techniques and the appropriate tree protective device detail shall be erected along these lines. Once disturbed, the tree protective devices shall remain in place until all designated lines. Only after the tree protective devices have been installed protection devices shall be maintained throughout construction. Attachment of signs, or any other object, to trees or posts shall be prohibited. The developer, contractor or project manager, and appropriate local Inspectors shall attend.
- Erosion and Sediment Control Notes as well as the Construction Schedule can be found on sheet of
- Only after final grading, stabilization, and removal of controls has been accomplished may reforestation begin. Reforestation techniques and methods must comply with the details and specifications provided herein.



Seedling Planting Detail

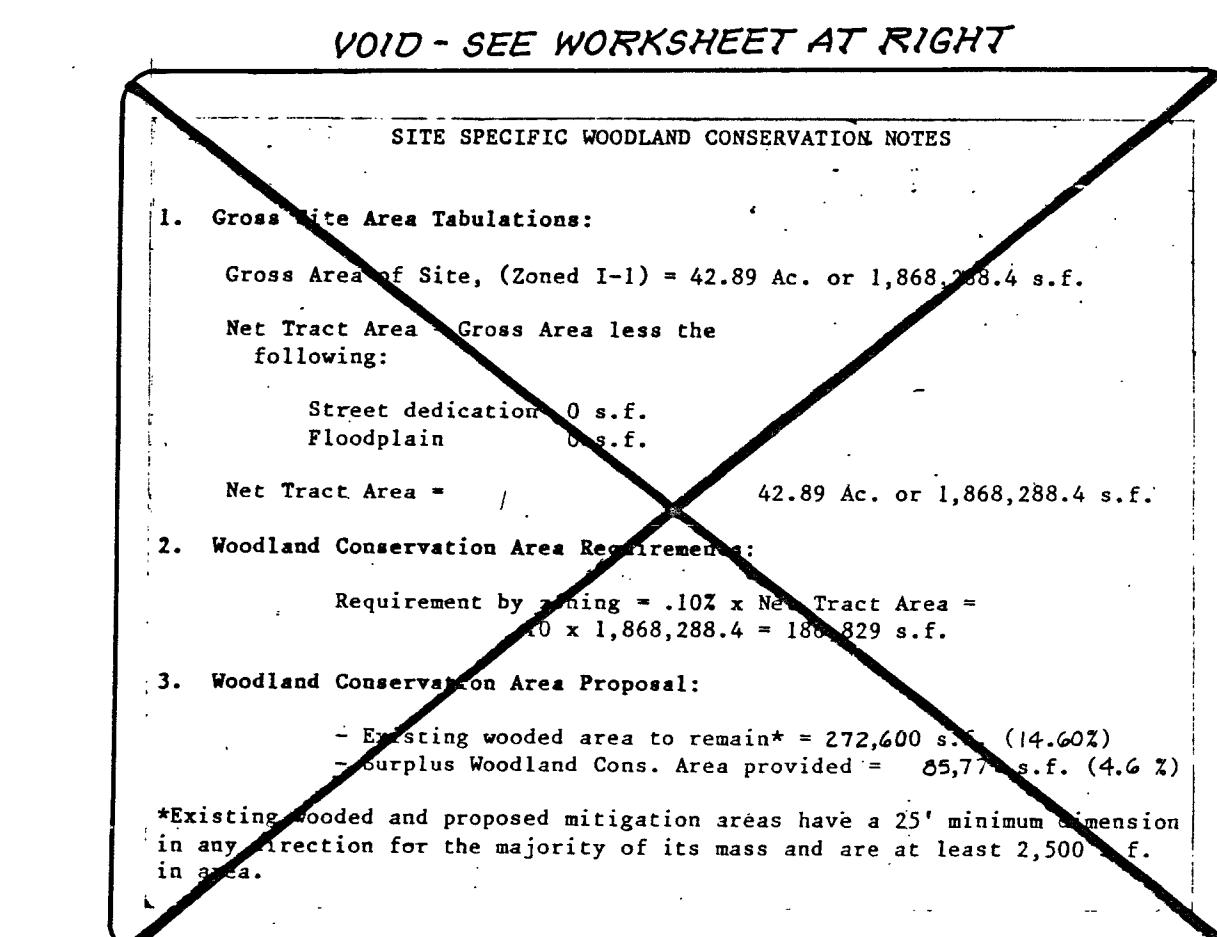
Not To Scale

Scale:



Tree Protective Device / Orange Security Fence

SCALE: 1/2"



¹ WCF is the Woodland Conservation Threshold as shown in Part 5 of the Prince George's County Woodland Conservation and Tree Preservation Policy Document.

All entries in parentheses are mathematical formulas.

1. Gross Site Area Tabulations:

Gross Area of Site, (Zoned I-1) = 42.89 Ac. or 1,868,388.4 s.f.

Net Tract Area = Gross Area less the following:

Street dedication: 0 s.f.

Floodplain: 0 s.f.

Area approved for fee-in-lieu:

Off-site Credits: 0 s.f.

Woodland Conservation Provided:

(must equal or exceed item "m" above)

Additional Woodland retained but not part of any requirement: 0.000 s.f.

Breakeven point: (O)(O.2)-b = 4.12

Plan Certified by: Name: Kevin E. Hodge / Ben Dyer Assoc.

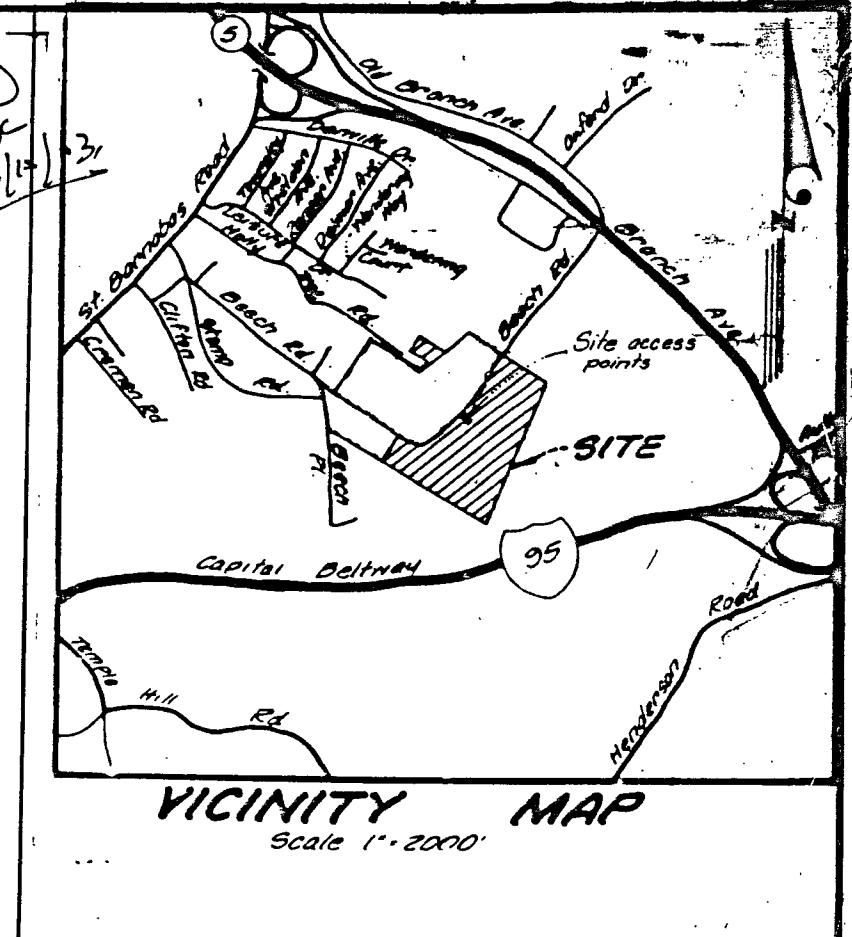
Address: 1905 Brentwood Rd. NE

Washington D.C. 20016

License: Qualified Professional

CNAAR CS18.05.01

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 approving authority or designer shall be subject to a \$2.00 per square foot penalty fee.	
2. The Director of Environmental Resources (DER) Inspectors Office, must be contacted prior to the start of 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 or Tree Save Areas. Reference: Prince George's County, Maryland, or Executive Order Annexes. Any disturbance to trees in parcels of land and the associated trees for unauthorized disturbances in these areas. Upon the sale of the property, the owner and their representative shall notify the purchaser of the property of any Woodland Conservation Areas.	
4. All appropriate bonds will be posted with the approving authority prior to the issuance of any permits. These bonds will be retained as surety by the approving authority until all work is completed and the bonds satisfied. Three copies of the bonds are submitted with the grading permit application.	
5. The location of all Tree Protective 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 TPD locations, the TPDs may be installed. The TPD's may be flagged or staked again prior to or coincide with installing the initial sediment control. No cutting or clearing of trees may begin before final approval of the TPD installation.	
6. At 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 storage, employee parking and for materials storage and stockpiling. These areas shall be located away from areas of work or the working 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, spill, petroleum products, vehicle or equipment waste water. - Dumping of oil, sludge, and other clearing debris. - Removal of any vehicles or equipment. - Storage or stockpiling of materials and supplies. - Removal of any vegetation or trees.	
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.	



PLANTING SPECIFICATIONS (FOR REFORESTATION AND AFFORESTATION AREAS)

- Quantity: (see Plant Schedule)
- Type: (see Plant Schedule)
- Plant Quality Standards: The plants selected shall be healthy and sturdy representatives of the species. The root system shall be well developed and at least 3" long. No more than twenty-five percent (25%) of the root system should be damaged. The roots shall be straight and well developed 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 a shaded, cool, moist area, or covered with a tarp to protect them from direct exposure to sun and wind by the use of straw, peat moss, compost, or other suitable material and that be maintained through periodic watering, until the time of planting.
- Plant Handling: The quantity of seedlings taken to the field shall not exceed the quantity of seedlings required. 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, temperatures are cool enough to encourage root growth and air is cold enough (and therefore dormant) until planting. November and early December are also acceptable planting times for this region and cloudy weather is considered ideal.
- Seeding Planting: Tree seedlings can be hand planted using a dibble bar or sharpshooter shovel. It is important that the seedling be placed in a hole so that the roots can spread out naturally. Roots should be straight and well developed, and roots should be spread evenly around the roots. Seedlings should be planted at a depth where their roots collar is just below the soil surface. Roots should be straight and well developed, and roots should be spread evenly around the roots to dry out. See planting details for further explanation. If the roots are wet when to plant by another method, the Landscape Architect must be contacted and give approval before planting any plants.
- Seeds: 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 tests shall be taken at a rate that provides soil samples for each area that appears to have a different soil type or texture. Soil samples are also acceptable if a sample is necessary, and submitted for testing to, and according to the instructions provided by the Soil Testing Laboratory.

The field was sampled for 15 m², which includes the soil laboratory pending 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 for pH, organic matter, and for corrections of soil texture, pH, magnesium, phosphorus, 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: Consult the Planting Details(s) shown on this plan.

12. Mulching: Apply 2" thick layer of woodchip or shredded hardwood mulch (as noted) to each planting site and stabilized with white cloth over at the rate of 1000 sf.

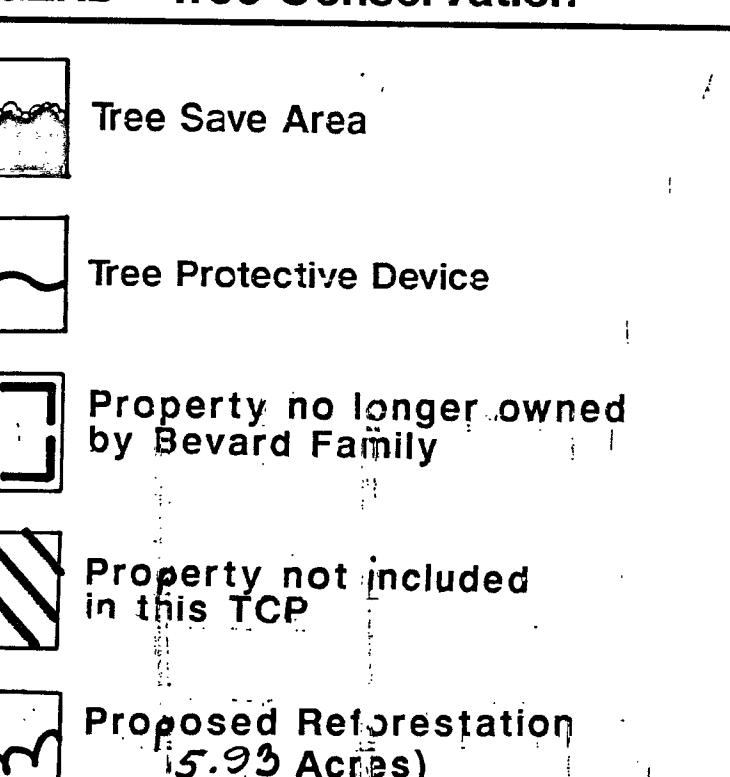
13. Ground Preparation: The remaining disturbed area between seedling planting sites shall be seeded and stabilized with white clover over once a year during the growing season, until the seedlings attain a height of 4" or more. Care must be taken to identify seedlings by walking and/or flagging seedlings prior to moving activity.

14. Monitoring: The stabilized area within the seedling planting area is to be monitored once a year during the growing season, until the seedlings attain a height of 4" or more. Care must be taken to identify seedlings by walking and/or flagging seedlings prior to moving 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 75% of the original seedlings are surviving.

16. Source of Seedlings: Forest Pot and Vines, Inc., 10000 N. Dixie Hwy, Suite 200, Ft. Lauderdale, Florida 33308, Telephone Environmental, Astoria, Maryland Phone: (301)774-0400.

LEGEND - Tree Conservation



APPROVAL	
TREE CONSERVATION PLAN	
TCP II / 90 / 00	
Approved by	Date
John Markovich	3/27/00
John Markovich	3/19/00
ROBERT MEIER	3/19/00
04	
05	
06	

TREE CONSERVATION PLAN - TYPE II

FOR

SILVER HILL INDUSTRIAL CENTER

SPAULDING DISTRICT NO. G PRINCE GEORGE'S COUNTY, MARYLAND

Prince George's Co. Locater Map 20A5, 20B5 WSSC 200 Sheet 202654, 206 665
Deed references: Liber 2086, Folio 45G, Liber 4448, Folio 651, L 5655, F 580
Liber 4223, Folio 928, L 6229, F 823

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DRAWN BY:	KELLY
DESIGNED BY:	KELLY
checked by:	2/28/00
1/27/00	Revised to update grading, nutrient application, KH
2/26/01	Added parking area
3-2-01	REVISED TO UPDATE GRADES, RAVINES, KH
II-21-01	REVISED D.O.D. FOR S.D. OUTFALL □
DATE:	JULY, 2000
DESCRIPTION:	BY
REVISIONS:	REVISIONS

