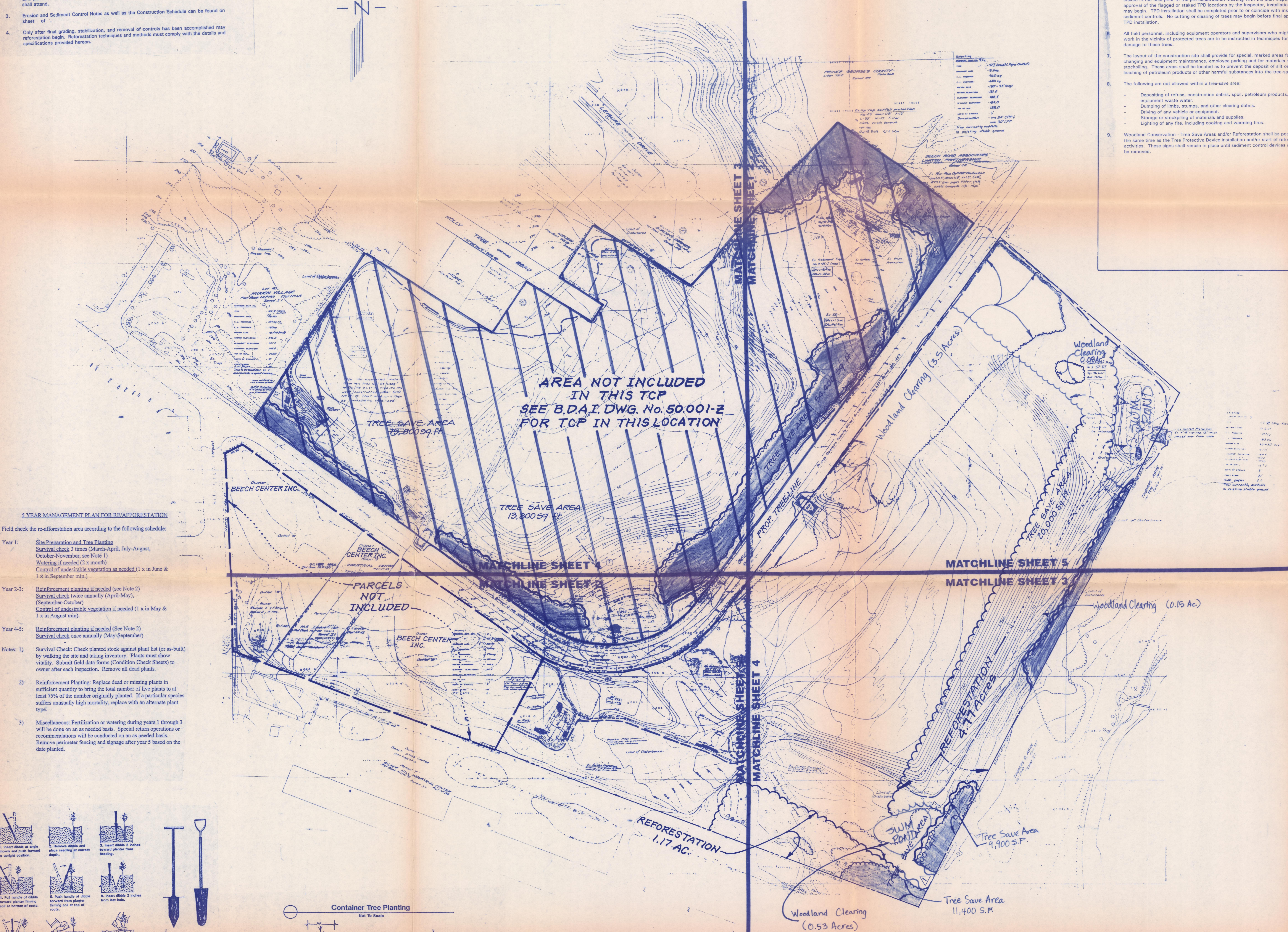


PRE-CONSTRUCTION ACTIVITIES

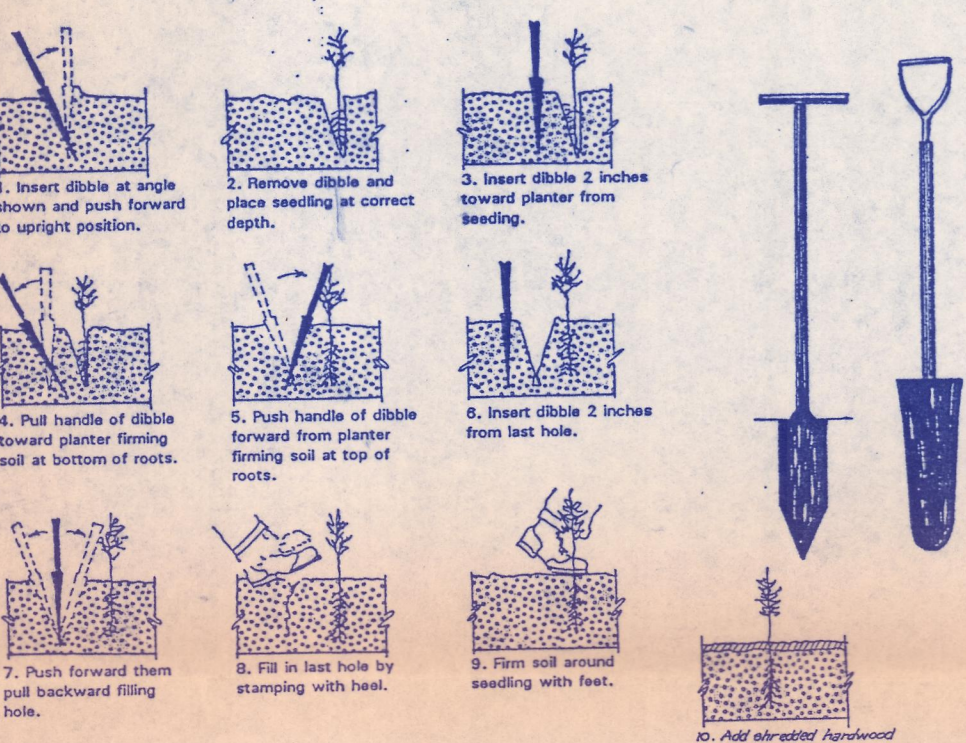
- Prior to any disturbance of the site, the tree save lines shall be field located by surveying techniques and the appropriate tree protective devices (see detail) shall be erected along these designated lines. Only after the tree protective devices have been installed shall any tree clearing or other clearing, grubbing or grading operations begin. All protection devices shall remain in place until all construction has ceased in the immediate vicinity. Devices shall be maintained throughout construction. Attachment of signs, or any other objects, to trees is prohibited. No equipment, machinery, vehicles, materials or excessive pedestrian traffic shall be allowed within protected areas.
- After the boundaries of the retention area have been staked and flagged and before any disturbance has taken place on site, a pre-construction meeting at the construction site shall take place. 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.



3 YEAR MANAGEMENT PLAN FOR REAFFORESTATION

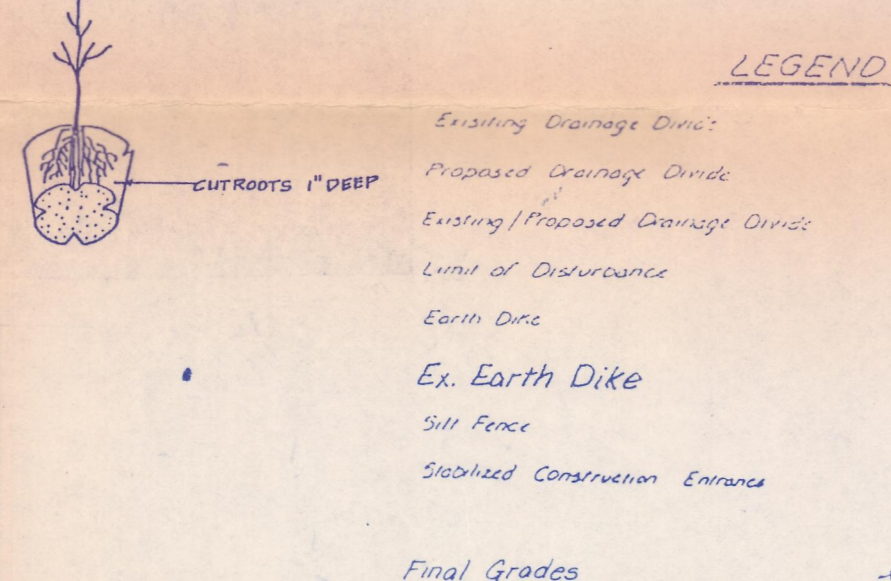
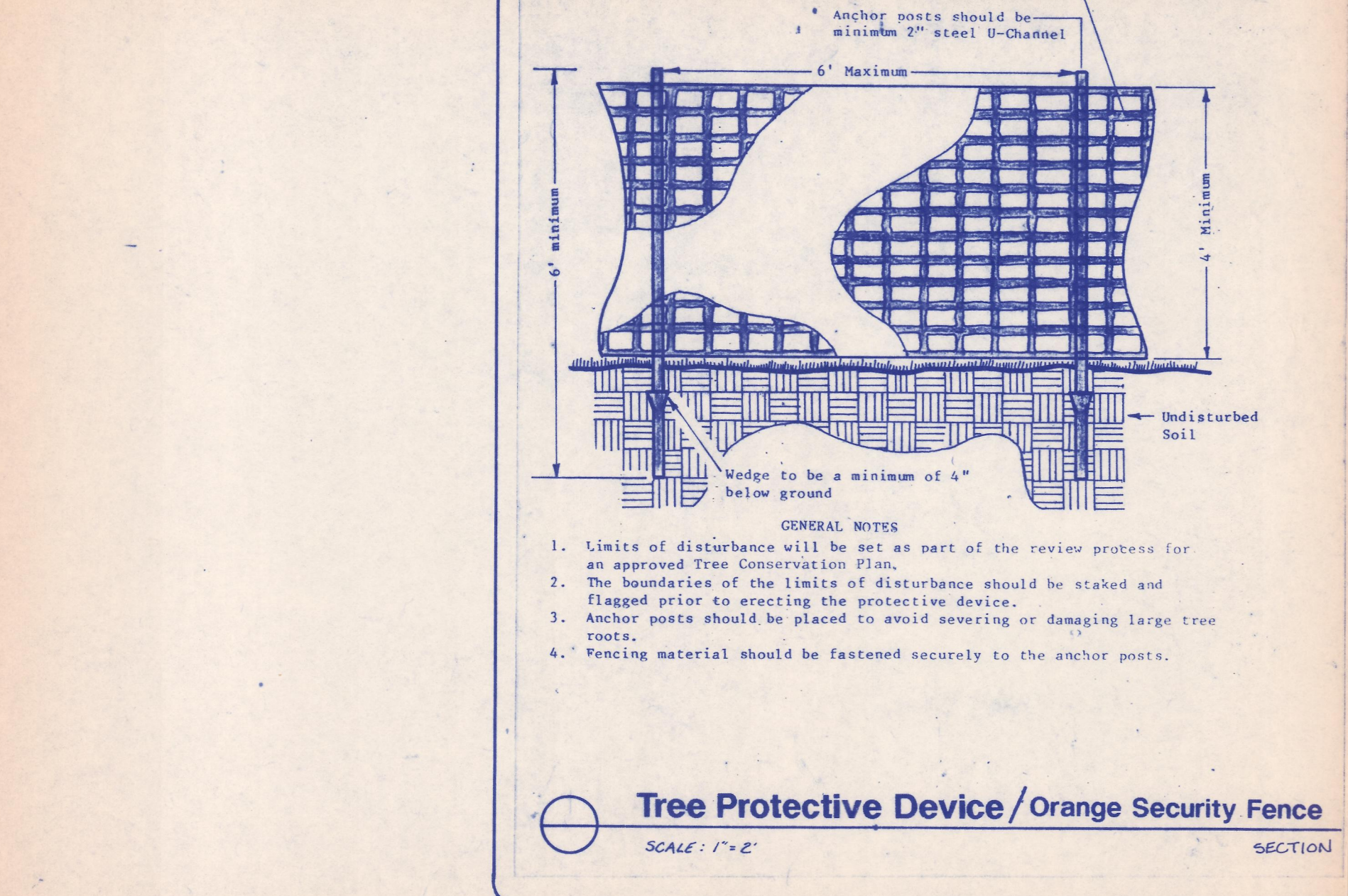
Field check the re-afforestation area according to the following schedule:

- Year 1: Site Preparation and Tree Planting
Survival check 3 times (March-April, July-August, October-November, see Note 1)
Watering if needed (2 x month)
Control of undesirable vegetation as needed (1 x in June & 1 x in September min.)
- Year 2-3: Reforestation planting if needed (see Note 2)
Survival check twice annually (April-May, September-October)
Control of undesirable vegetation if needed (1 x in May & 1 x in August min.)
- Year 4-5: Reforestation planting if needed (see Note 2)
Survival check once annually (May-September)
- Notes: 1) Survival Check: Check planted stock against plant list (or as-built) by walking the site and taking inventory. Plans must show vitality. Submit field data forms (Condition Check Sheets) to owner after each inspection. Remove all dead plants.
- 2) Reforestation 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 planned. If a particular species suffers unusually high mortality, replace with an alternate plant type.
- 3) 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. Remove perimeter fencing and signage after year 5 based on the date planted.



Seeding Planting Detail
Scale: 1" = 2'

Container Tree Planting
Not To Scale



VOID - SEE WORKSHEET AT RIGHT

SITE SPECIFIC WOODLAND CONSERVATION NOTES

- Gross Site Area Tabulations:
Gross Area of Site, (Zone 1-1) = 42.89 Ac. or 1,868,288.4 s.f.
Net Tract Area = Gross Area less the following:
Street dedication 0 s.f.
Floodplain 0 s.f.
Net Tract Area = 42.89 Ac. or 1,868,288.4 s.f.
- Woodland Conservation Area Requirements:
Requirement by zoning = .102 x Net Tract Area = 4.378 Ac. or 1,868,288.4 s.f.
Additional Woodland retained but not part of any requirements: 0.00 acres
Breakdown point (0.002) = 0.00
- Woodland Conservation Area Proposal:
- Existing wooded area to remain = 472,600 s.f. (14,603 s.f.)
- Existing Woodland Area provided = 257,700 s.f. (4,621 s.f.)
- Existing wooded and proposed mitigation areas have a 25' minimum vegetation in any direction for the majority of its mass and are at least 2,500 s.f. in size.

Woodland Conservation Worksheet		Non-Governmental Projects	
Zone:	1-1	Owner:	John Spivey
Gross Tract:	24.75	Address:	7050 Chesapeake Road, Suite 204
Floodplain:	0.00	Landover Hills, MD 20784	
Prev. Dedicated Land:	0.00	Phone:	(301) 577-9850
Net Tract:	24.75	Tax Map:	88.97
		Permit #:	
Subdivision/Block/Lot:		Parcels 342, 372, 273	
Woodland Conservation Calculations:		Plant Schedule for Reafforestation	
Existing Woodland	Net Tract (acres)	Species	Amount
WCT (19% x Net Tract)	a. 5.19	Tulip Poplar	1,186
Smaller o.a. or b.	b. 3.71	Sweet Gum	1,186
Woodland above WCT (a-b) 0 if < 0	c. 3.71	Red Maple	1,186
Woodland Cleared	d. 1.48	Red Oak	1,186
Smaller of d. or e.	e. 4.26	American Beech	1,186
Clearing below WCT (e-f) 0 if < 0	f. 1.48	Total	5,930
Replacement: (f x 0.25)	g. 0.37		
(g x 2.0)	h. 0.73		
Afforestation: (if applicable)	i. 1.32		
(Net-tract - d) or (net tract x .15-a); 0 if < 0	j. 0.00		
Woodland Conservation Required: (c+h+i+j) =	m. 6.86		
Woodland Conservation Provided:		Stock Specification:	
Woodland Preservation (a-c)	(acres)	1000 seedlings per acre	
Woodland Reforestation/Replacement	0.00		
Afforestation	0.00		
Area approved for fee-in-lieu	0.00		
Off-site Credits	0.00		
Off-site Mitigation Provided	0.00		
Woodland Conservation Provided	0.00		
(must equal or exceed item "m" above)	6.86		
Additional Woodland retained but not part of any requirements: 0.00 acres		Plant Schedule	
Breakdown point (0.002) = 0.00			
Plan Certified by:	Kevin E. Hedge		
Name:	PO Box 1510		
Address:	Landover, MD 20783		
License:	Qualified Professional		

WCT 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.

GENERAL NOTES FOR TREE CONSERVATION

- Cutting or clearing of woodland not in conformance with this Plan or without the expressed written consent of the approving authority or designee shall be subject to a \$ 30 per square foot penalty fee.
- 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.
- 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 in associated lines 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.
- All appropriate bonds will be posted with the approving authority prior to the issuance of any permits. These bonds will be retained at the discretion of the approving authority until all required activities have been satisfied. Three copies of the bonds are submitted with the grading permit application.
- The location of all Tree Protective Devices (TPD) 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 Inspectors, installation of the TPD's may begin. TPD installation shall be completed prior to or coincide with installation of initial sediment controls. No cutting or clearing of trees may begin before final approval of the TPD installation.
- 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.
- The layout of the construction site shall provide for special, marked areas for fueling, oil changing and equipment maintenance, employee parking and for materials storage and unloading. These areas shall be located as to prevent the deposit of oil or the washing or leaching of petroleum products or other harmful substances into the tree-save areas.
- 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 lime, sludge, 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.
- 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)
- Time: (see Plant Schedule)
- Plant Quality Standards: The plants selected shall be healthy and sturdy representatives of their species. Seedlings shall have a minimum root 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 secondary fibrous) shall show evidence of being cut (snapped) or stripped from the plant during the digging process. Substantial auxiliary/third 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.
- 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.
- Timing of Planting: The best time to plant seedlings is while they are dormant, prior to spring budburst. 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.
- Seedling Orientation: Tree seedlings can be hand planted using a dibble bar or shapemaker 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 roots collar is 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.
- 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 acre 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:

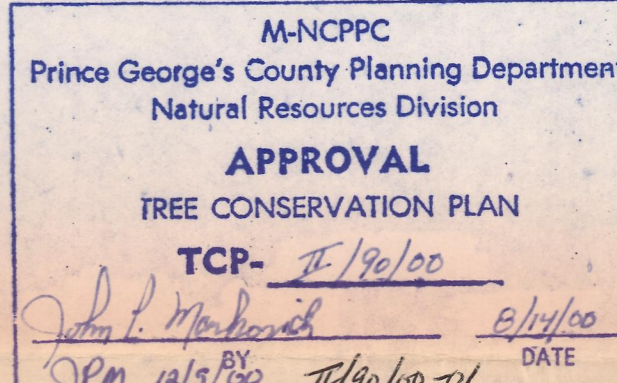
The Soil Testing Laboratory
Agronomy Department
H. J. Patterson Hall
University of Maryland
College Park, Maryland 20742

These field tests will be processed for \$5 each, which includes the soil laboratory and 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 factors, pH, magnesium, phosphorus, potassium, calcium and organic matter.

- Soil Improvement Measures: The soil shall then be improved according to the recommendations made by the Cooperative Extension Service.
- Fencing & Signage: (see Reforestation Area Fence Detail)
- Planting Methods: Consult the Planting Details shown on this plan.
- Mulching: Apply 2" thick layer of woodchip or shredded hardwood mulch (as noted) to each planting site (see detail shown on the plan).
- Groundcover Establishment: The remaining disturbed area between seedling planting sites shall be seeded and stabilized with white clover seed at the rate of 5 lbs./acre.
- Mowing: The stabilized area within the seedling planting area is to be mowed once a year during the growing season, and the seedlings shall be a height of 4' or more. Care must be taken to identify seedlings by working and/or flagging seedlings prior to mowing activity.
- Survival Check for Seed 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 planted quantity survives.
- Source of Seedlings: Mt. Forest, Park and Wildlife Service in Bowie, Md.; Phone (301) 464-3065; Ruppert Environmental, Ashton, Maryland; Phone (301) 778-6400.

LEGEND - Tree Conservation

- Tree Save Area
- Tree Protective Device
- Property no longer owned by Bevard Family
- Property not included in this TCP
- Proposed Reforestation 5.94 Acres



TREE CONSERVATION PLAN - TYPE II FOR SILVER HILL INDUSTRIAL CENTER

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

Prince George's Co. Locator Map 20A5, 20B5 W59C 200' Sheet 20G5E4, 20G5E5
Deed references: Liber 2086, Folio 456, Liber 4448, Folio 861, L1569, F.530
Liber 4233, Folio 928, L. 6425, F. 873

OWNER / DEVELOPER / APPLICANT

AGGREGATE & DIRT SOLUTIONS LLC
7050 CHESAPEAKE RD
SUITE 204
LANDOVER HILLS, MD 20784
PHONE: 301-577-9850
ATTN: JOHN SPIVEY

CHECKED BY:	DESIGNED BY:	DRAWN BY:
Kevin E. Hedge DATE 11/26/00		Kevin E. Hedge DATE 11/26/00
DATE	DESCRIPTION	REVISIONS
11-21-00	REVISED L.O.P. FOR S.D. OUTFALL	1
11-21-00	REVISED L.O.P. FOR S.D. OUTFALL	2
11-21-00	REVISED L.O.P. FOR S.D. OUTFALL	3
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