

#### GENERAL NOTES FOR TREE CONSERVATION

- Any tree cutting or clearing on this site not in conformance with this plan or without the expressed written consent of the Planning Director or designee, shall be subject to the mitigation fee of \$1.50 per square foot of woodland damaged or destroyed.
- 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
- 3. Property owners shall be notified by the Developer or Contractor, of any Moodland 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.
- 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 ap-
- 5. The location of all Tree Protection 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 beam. 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.
- I. 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 stockpilling. 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
- 8. The following are not allowed within a tree save area: - Depositing of refuse, construction debris, spoil, petroleum products and vehicle or equipment waste water. - Dumping of limbs, stumps, and other clearing debris.
- Driving of any vehicle or equipment - Storage or stockpilling of materials and supplies.
- Lighting of any fire, including cooking or warming fires.

2" SAICER WITH SHREDDED

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 for five years after completion of work.

## PLANTING SPECIFICATIONS FOR RE/AFFORESTATION AREAS

- 1. Quantity: (see Plant Schedule)
- 2. Type: (see Plant Schedule)
- 3. Plant Quality Standards: The plants selected shall be healthy and sturdy representatives 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 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 auxiliary/fibrous) shall show evidence of being cut (pruned) or striped 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.

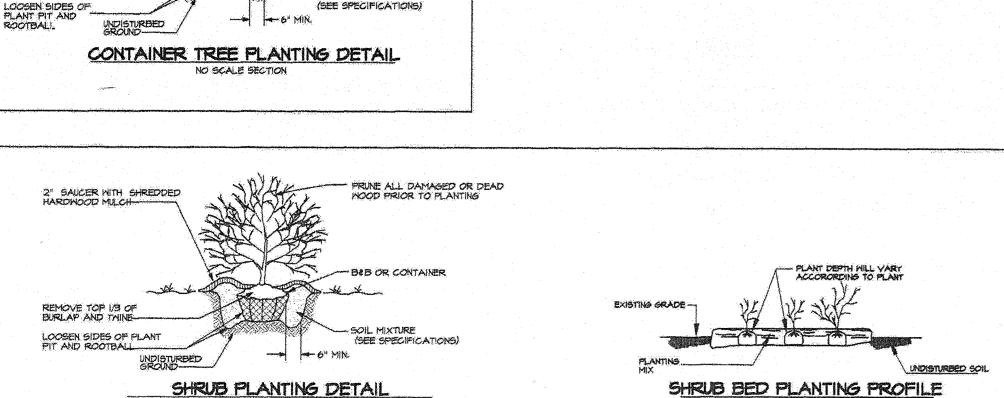
If the plants cannot be planted immediately after delivery to the reforestation site, they shall be stored in the shade with their root masses protected from direct exposure to sun and wind by the use of straw, peat moss, compost, or other suitable material and shall be maintained through periodic watering, 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. November and early December are also acceptable planting times for this region as cool and cloudy weather is considered ideal. Planting shall occur within one growing season of the issuance of grading/ building permit.
- 6. Seedling Planting: Tree seedlings can be hand planted using a dibble bar or sharp-shooter 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 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 requirements. Also refer to the Planting Layout detail for a description of the general planting
- 8. Soll: 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 soll 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.J. 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. Soll 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)
- II. Planting Method: 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. Groundcover Establishment: The remaining disturbed area between seedling planting sites shall be seeded and stabilized with white clover seed at the rate of 5lbs./acre.
- 14. Mowing: The stabilized area within the seedling planting area is to be moved once a year during the growing season, until the seedlings attain a height of 4' or more. Care must be taken to flag 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 planted quantity survives.
- 16. Source of Seedlings: Md. Forest, Park and Wildlife Service in Bowle, Md.; Phone (301) 464-3065. Ruppert Environmental, Ashton, Maryland; Phone: (301)774-0400.



DECIDUOUS OR EVERGREEN, B & B OR CONTAINER SHRUB PLANTING DETAIL AND PROFILE

### 5 YEAR MANAGEMENT PLAN FOR RE/AFFORESTATION

- Fleid check the re-afforestation area according to the following schedule:
- Site Preparation and Tree Planting <u>Survival check</u> once annually (September-November, see Note 1) Waterina if needed (2 x month) Control of undesirable vegetation as needed (1 x in June & 1 x in September min.)
- Year 2-3: Reinforcement planting if needed (see Note 2) <u>Survival check</u> once annually (September-November) Control of undesirable vegetation if needed (I x in May & x in August min).
- Year 4-5: Reinforcement planting if needed (See Note 2) Survival check once annually (September-November)
- 1) Survival Check: Check planted stock against plant list (or as-built) by walking the site and taking inventory. Plants must show
- vitality. Submit field data forms (Condition Check Sheets) to owner after each inspection. Remove all dead plants. 2) Reinforcement 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
- 3) Miscellaneous: Fertilization or watering during years I 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

#### PRE-CONSTRUCTION ACTIVITIES

- I. 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 erected along these designated lines. Only after the tree protective devices have been installed shall any tree cutting 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.
- 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 meeting at the construction site shall take place. The developer, contractor or project manager, and appropriate local inspectors shall attend.
- 3. Reforestation planting shall be done after the final grading is established, stabilized and approved by SCD. Reforestation techniques and methods must comply with the details and specifications provided hereon.

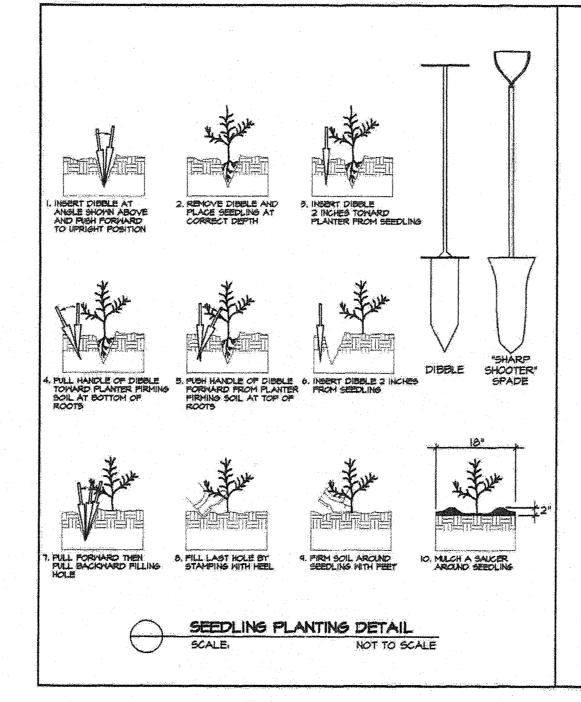
# PLANT SCHEDULE FOR RE/AFFORESTATION STOCK SPECIFICATION: 1000 SEEDLINGS PER ACRE

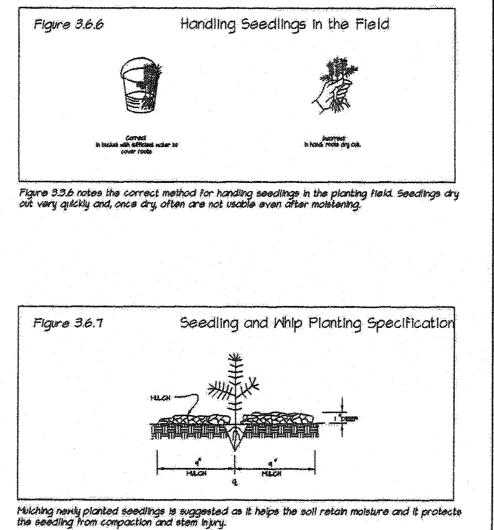
TOTAL RE/AFFORESTATION REQUIRED: \_\_\_\_ ACRES
TOTAL RE/AFFORESTATION PROVIDED: 22.77 ACRES

	Acreage	Seedling Selection					
Reforestation Area		Tulip Poplar	Sweet Gum	Red Maple	Red Oak	American Beech	Total No. of Seedlings
RA-I	0.44	88	වව	88	88	88	440
RA-2	1.27	254	254	254	254	254	1,270
RA-3	0.99	198	198	198	198	198	990
RA-4	1.00	200	200	200	200	200	1000
RA-5	0.80	160	160	160	160	160	800
RA-6	1.50	300	300	300	300	300	1,500
RA-7	1,07	214	214	214	214	2 4	0,070
RA-8	1.05	210	210	210	210	210	1,050
RA-9	0.51	102	102	102	102	102	510
RA-IO	0.13	26	26	26	26	26	130
RA-II	0.45	90	40	90	90	90	450
RA-I2	3.07	614	614	614	614	6 4	3,070
RA-I3	10.49	2,048	2,098	2,098	2,098	2,098	10,490
TOTAL	22.77	4,554	4,554	4,554	4,554	4,554	22,170

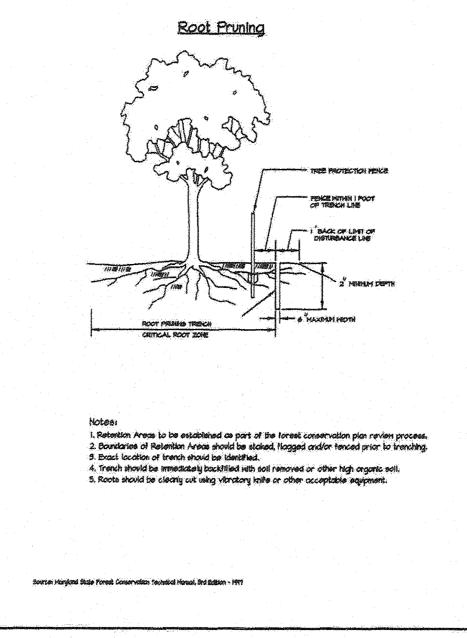
1 - All tree/shrub species planted within the re/afforestation areas, should be randomly distributed throughout the proposed re/afforestation area, so as to promote a natural woodland structure.

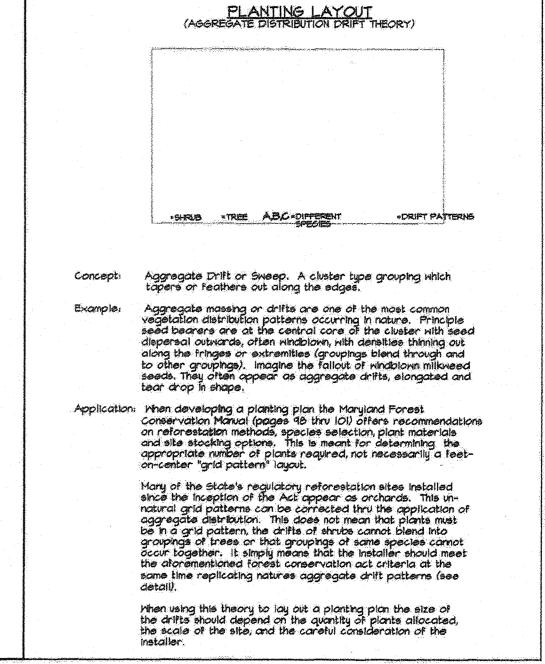
2 - In the event of species unavailability, a substitution may be made. Any substitution made requires written notification to MNCPPC, Environmental Planning Section.

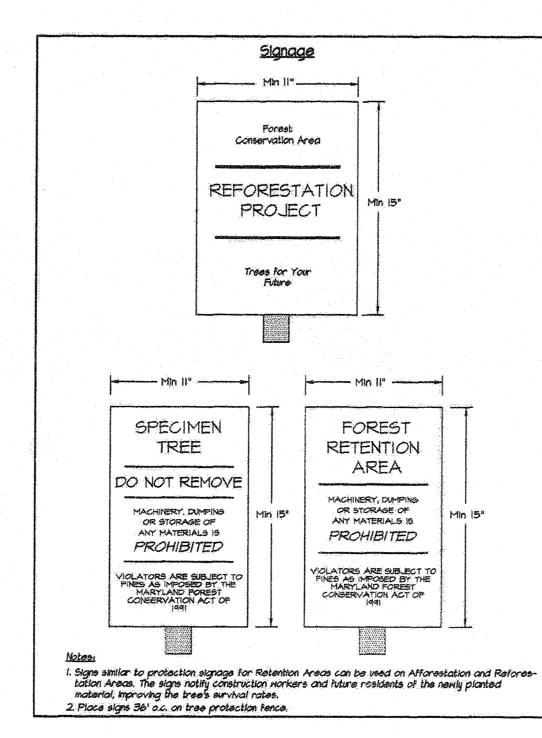


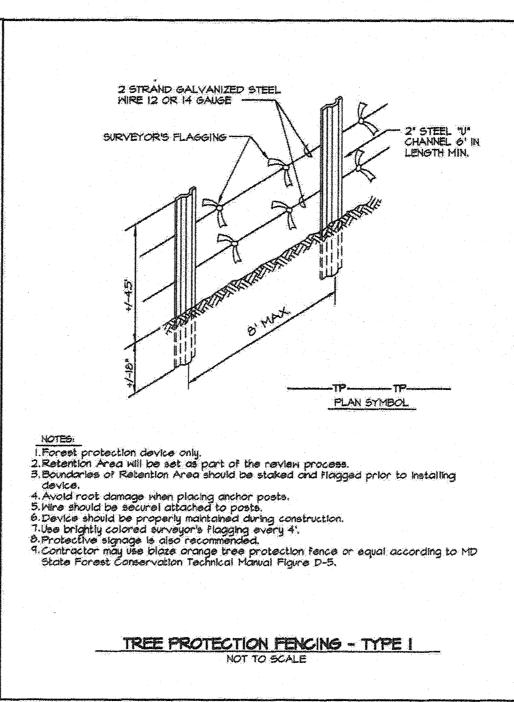


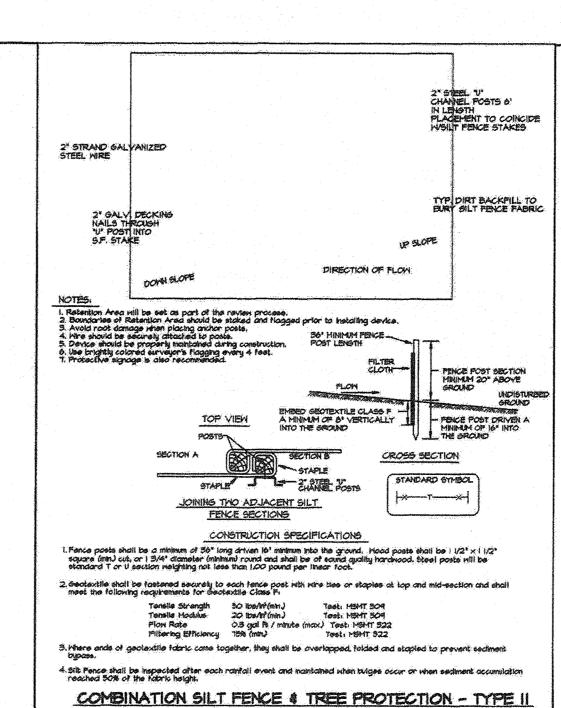
Forest Conservation Nama Chapter 3: Forest Conservation Plan Section 3.6: Reforestation and Alforestation Procedures

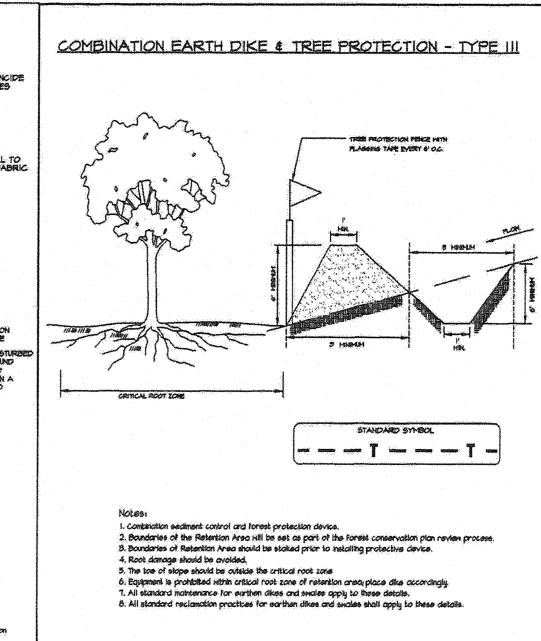


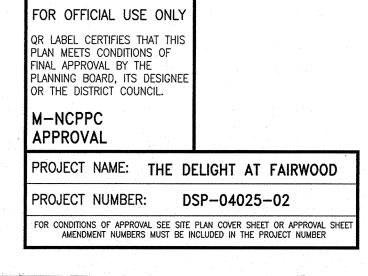




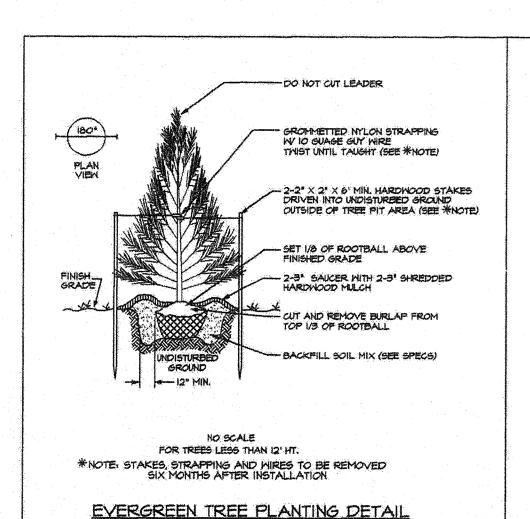




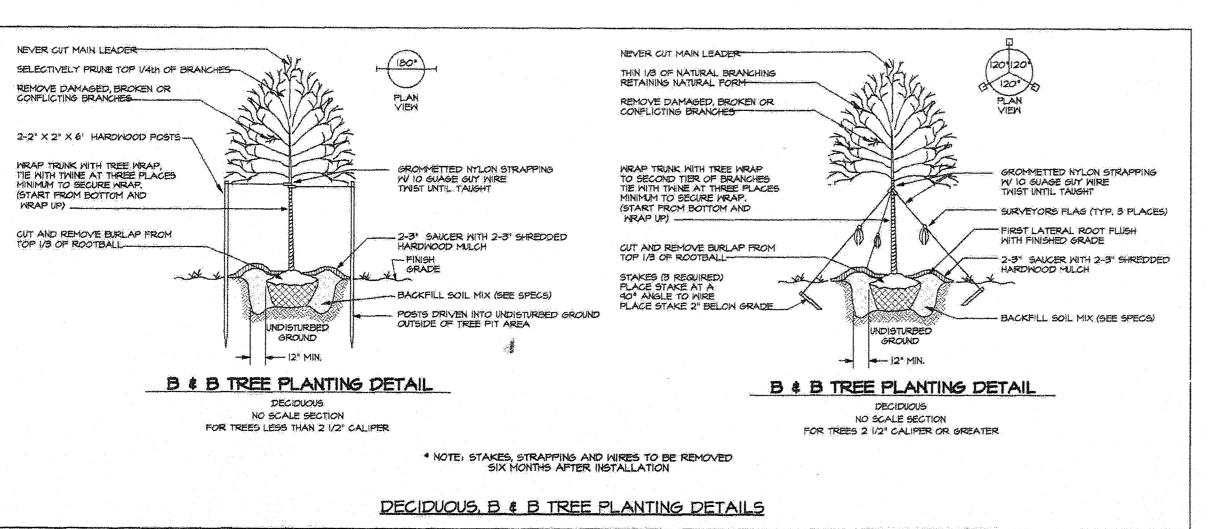


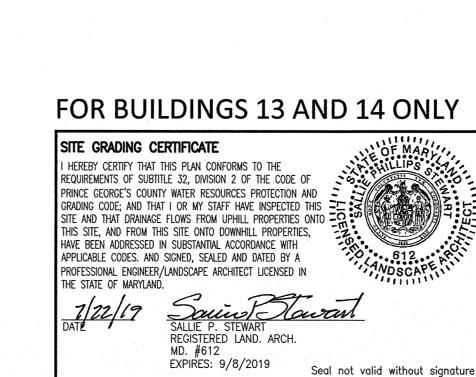


	M-NCPPC A	PPROVA	LS	
PROJECT N	AME: FAIRWC	OOD, PHASI	E 1, PART 2	
PROJECT N	UMBER: DSP-	02001		
For Condition	ons of Approval see Site Revisions Listed Below	Plan Cover Sheet of w Apply to This Sh	or Approval Sheet leet	
Approval or Revision #	Approval Date	Reviewer's Initials	Certification Date 06/14/02	
	04/11/02	L.W.		
		95.		
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ALL JUNIPER PLANTS SHOULD BE PLANTED SO TOP OF ROOT MASS OCCURS AT FINISHE GRADE OF MULCH LAYER, ANY BROKEN ROOTBALL WILL BE REJECTED





	Prince Georg	ge's County Plan	ning Department, M-NCPPC
		Environmental P	lanning Section
	TYPE :	2 TREE CONSERVA	ATION PLAN APPROVAL
		TCPII -	020-02
ved by	Date	DRD #	Reason for Revision
ν.М.	6/17/2002		Original Approval
. Finch	8/28/2019	DSP-04025-02	Existing and proposed development on Phase 1, Part Two-A
	3 - 1 - 1 - 1 - 1		

Barce: Price Bearge's County Haryand Hoodkerd Conservation Honey

07/03/19 DSP-04025-02 - Address conditions of approval. (SPS)

TREE CONSERVATION PLAN 2 TCPII-020-02 PHASE 1, PART TWO-A

THE DELIGHT AT FAIRWOOD

QUEEN ANNE (7th) ELECTION DISTRICT PRINCE GEORGE'S COUNTY, MARYLAND

Charles P. Johnson & Associates, Inc Civil and Environmental Engineers • Planners • Landscape Architects • Sur 1751 Elton Rd., Ste. 300 Silver Spring, MD 20903 301-434-7000 Fax: 301-434-9394 www.cpja.com • Silver Spring, MD • Gaithersburg, MD • Annapolis, MD • College Park, MD • Frederick, MD • Fairfax, V

CLIENT: BHC, INC. 11611 OLD GEORGE	BHC, INC. 11611 OLD GEORGETOWN RD.	RGETOWN RD.	WSSC GRID: 207NE11	TAX MAP: 046A3	
	2nd FLOOR ROCKVILLE, MD 20852		DESIGN SPS	SHEET	OF
			DRAFT MJL	<b>1</b> 2	4
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UNAUTHORIZED USE OR REPRODUCTI PROHIBITED.		SCALE 1" = 20'	FILE NO : 2018-1	034-22	

