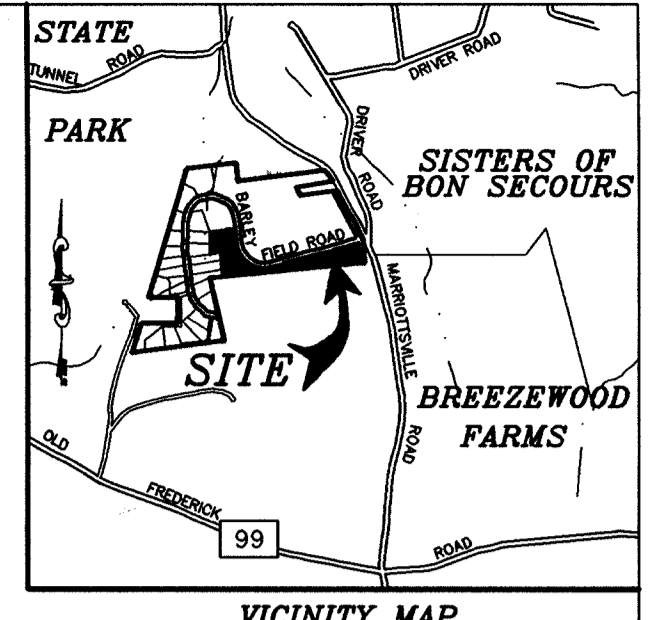


GREEN CLOVER FOREST CONSERVATION DATA

I. BASIC SITE DATA		ACRES
GROSS SITE AREA		3.25
AREA WITHIN 100 YEAR FLOODPLAIN		0.00
EXISTING FOREST ON NET TRACT AREA		0.00
NET TRACT AREA		3.25
LAND USE CATEGORY	RESIDENTIAL - SUBURBAN	
II. FOREST CONSERVATION WORKSHEET DATA SUMMARY		
B. REFORESTATION THRESHOLD (20%)		0.65
C. AFFORESTATION MINIMUM (15%)		0.49
D. EXISTING FOREST ON NET TRACT AREA		1.45
E. FOREST AREAS TO BE CLEARED		1.45
F. FOREST AREAS TO BE RETAINED		0.00
IV. REFORESTATION CALCULATIONS		
G. FOREST AREAS CLEARED ABOVE REFORESTATION THRESHOLD		0.80
H. FOREST AREAS CLEARED BELOW REFORESTATION THRESHOLD		0.65
I. FOREST AREAS RETAINED ABOVE REFORESTATION THRESHOLD		0.00
REFORESTATION FOR CLEARING ABOVE THRESHOLD		0.20
REFORESTATION FOR CLEARING BELOW THRESHOLD		1.30
TOTAL REFORESTATION REQUIRED		1.50
TOTAL OFF-SITE REFORESTATION PROVIDED ON WOODFORD'S GRANT, PRESERVATION PARCEL F		1.50



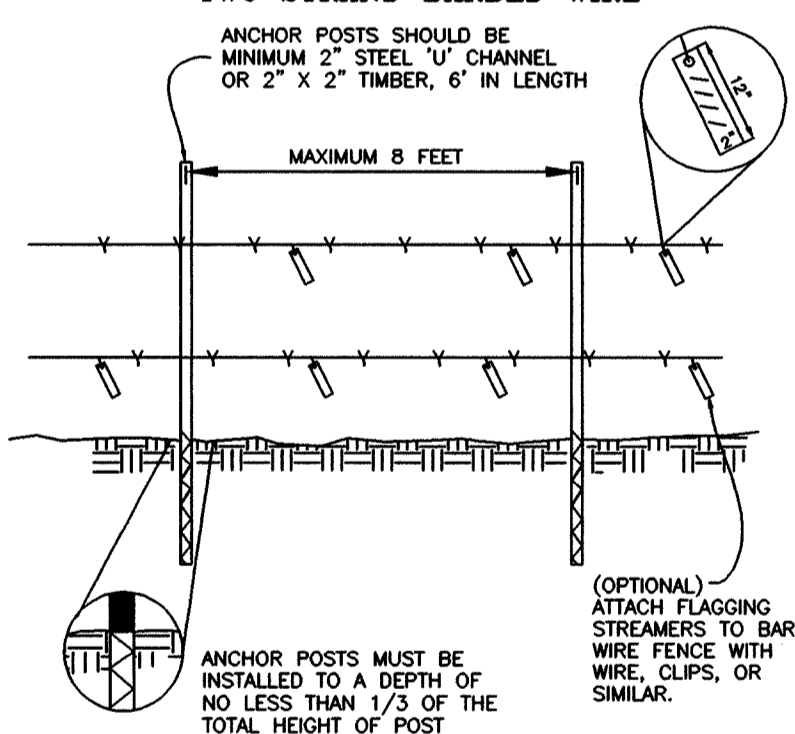
PLANT INSTALLATION

1. THE PLANTING FIELD SHOULD BE PREPARED AS SPECIFIED (SEE DETAIL). NATIVE STOCKPILED SOILS SHOULD BE USED FOR SOIL MIX AND BACKFILL FOR PLANTING FIELDS. AFTER PLANT INSTALLATION, RAKE SOILS EVENLY OVER THE PLANTING FIELD. COVER WITH AT LEAST 4 INCHES OF MULCH. WATER, GENEROUSLY, TO SETTLE SOIL BACKFILLED AROUND TREES.
2. PLANTING FIELD DIAMETERS SHOULD BE REDUCED OR PLANTING FIELD MOVED IF IT APPEARS THAT EXISTING ROOT DAMAGE MAY OCCUR DURING DIGGING OPERATION NEAR EXISTING TREES. CARE SHALL BE TAKEN WHEN DIGGING PLANTING FIELDS NOT TO CHIP ROOTS GREATER THAN 1/2 INCH ARE ENCOUNTERED PLEASE TRY TO DIG AROUND THEM AS MUCH AS POSSIBLE. IF ROOTS ARE ENCOUNTERED, ROOTS SHOULD BE TRIMMED NEAR THE PLANTING FIELD.
3. CONTAINER GROWN STOCK SHOULD BE MINIMIZED FROM THE CONTAINER AND ROOTS GENTLY LOOSENED FROM THE SOIL. IF THE ROOTS ENIRCLE THE ROOT BALL, SUBSTITUTION IS STRONGLY RECOMMENDED. J-SHAPED OR KINKED ROOT SYSTEMS SHOULD ALSO BE NOTED. ROOTS MAY NOT BE TRIMMED ON SITE, DUE TO THE INCREASED CHANCES OF SOIL BORNE DISEASES.
4. FOR BALL AND BURLAP STOCK, PLACE TREE IN PREPARED PLANTING FIELD AND REMOVE WIRE AND/OR STRING FROM ROOT BALL. THEN PEEL BACK BURLAP TO BASE OF EXISTING SOIL. COVER ENTIRE ROOT BALL WITH TOPSOIL MIXTURE INDICATED ABOVE AND WATER GENEROUSLY.
5. FOR TREES PLANTED IN THE AFFORESTATION AREA, CONTRACTOR SHALL EVENLY DISPERSE SPECIES IN GROUPS OF TWO (2) TO FOUR (4) PER SPECIES OVER THE ENTIRE DESIGNATED AREA TO BE PLANTED WHILE MAINTAINING AN AVERAGE RANDOM SPACING OF INDIVIDUAL TREES AT PROPER SPACING INDICATED ON PLANT LIST.
6. AVOID PLANTING IN A STRAIGHT GRID PATTERN. TREES SHALL BE PLANTED ON AN AVERAGE SPACING AS INDICATED ON PLANT LISTS TO OBTAIN A MORE NATURAL APPEARANCE.
7. NEWLY PLANTED TREES MAY NEED WATERING AS MUCH AS ONCE A WEEK FOR THE ENTIRE GROWING SEASON. DUE TO THE WELL DRAINED NATIVE SOILS FOUND ON THIS SITE COMBINED WITH THE LOOSENESS OF THE BACKFILLED AREA WITHIN THE PLANTING FIELD, THE NEXT TWO YEARS MAY REQUIRE WATERING ONLY A FEW TIMES A YEAR DURING WINTER AND DRY MONTHS. AFTER THAT, TREES SHOULD ONLY NEED WATER IN SEVERE DROUGHTS. ANY WATERING PLAN SHOULD COMPENSATE FOR RECENT RAINFALL PATTERNS.

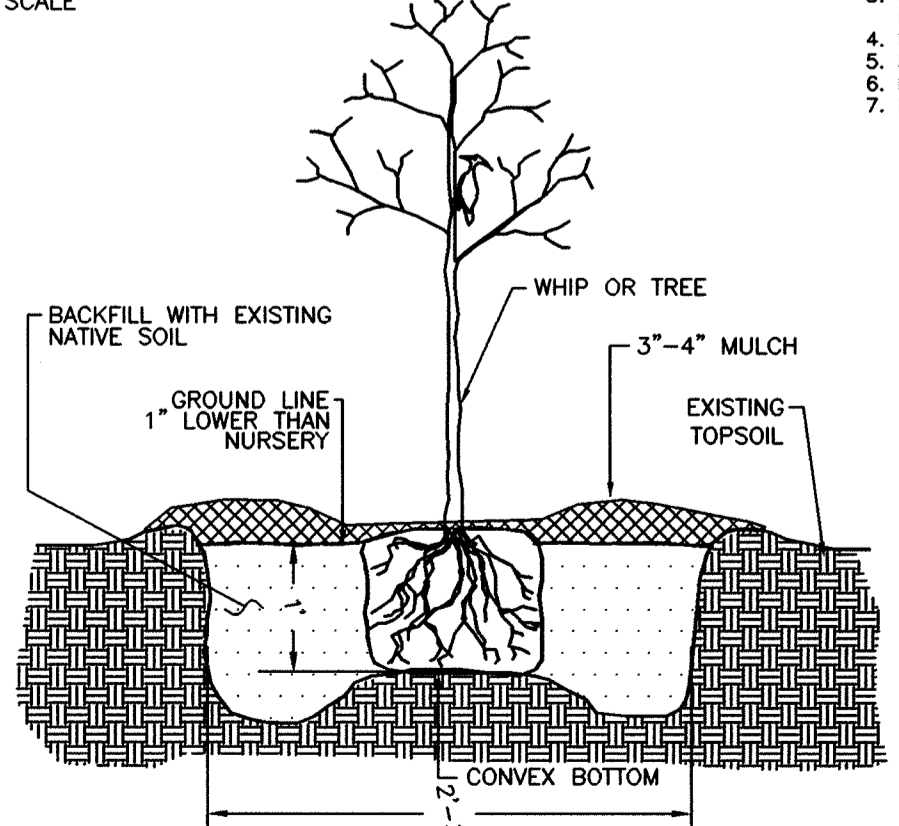
PLANTING SPECIFICATIONS AND NOTES

- SITE PREPARATION AND SOILS**
1. PROTECTION FENCING AND SILT FENCES FOR SEDIMENT AND EROSION CONTROL ARE TO BE INSTALLED AS A FIRST ORDER OF BUSINESS. SEE PLAN FOR LOCATIONS.
 2. DISTURBANCE OF SOILS SHOULD BE LIMITED TO THE PLANTING FIELD FOR EACH PLANT. AS SHOWN ON THE DETAIL VIEW, A PLANTING FIELD OF RADIUS = 5 X DIAMETER OF THE ROOT BALL OR CONTAINER IS RECOMMENDED.
 3. SOIL MIX FOR ALL PLANTS EXCEPT ERICACEOUS MATERIAL: SOIL MIX SHALL CONFORM TO EXISTING NATIVE TOPSOIL MIXTURE AT EACH PLANTING FIELD LOCATION INTO WHICH THE CONTRACTOR SHALL THOROUGHLY INCORPORATE 25% BY VOLUME OF COMPOSTED SLUDGE. SOIL MIX FOR ERICACEOUS MATERIAL: SOIL MIX SHALL CONSIST OF EXISTING NATIVE TOPSOIL MIXTURE AT EACH PLANTING FIELD LOCATION INTO WHICH THE CONTRACTOR SHALL THOROUGHLY INCORPORATE 25% BY VOLUME PEAT MOSS.
 4. ALL MIXING IN 3 AND 4 SHALL BE LIMITED TO CONTAINER GROWN OR BALL AND BURLAP STOCK ONLY AND CONFINED TO THE PLANTING FIELD AND IMMEDIATE ADJACENT SOIL SURFACE AREA AND SHALL BE DONE TO THE SATISFACTION OF THE DESIGN TEAM OR ENGINEER.
- PLANT STORAGE AND INSPECTION**
1. FOR CONTAINER GROWN NURSERY STOCK, PLANTING SHOULD OCCUR WITHIN 2 WEEKS AFTER DELIVERY TO THE SITE.
 2. FOR BALL AND BURLAP NURSERY STOCK, PLANTING SHOULD OCCUR WITHIN THREE DAYS AFTER DELIVERY TO THE SITE.
 3. PLANTING STOCK SHOULD BE INSPECTED PRIOR TO PLANTING. PLANTS NOT CONFORMING TO STANDARD NURSERYMAN SPECIFICATIONS FOR SIZE, FORM, VIGOR, ROOTS, TRUNK WOUNDS, INSECTS AND DISEASE SHOULD BE REPLACED.
 4. UNTIL PLANTED, ALL PLANT STOCK SHALL BE KEPT IN A SHADED, COOL, AND MOISTENED ENVIRONMENT.

PROTECTIVE FENCE DETAIL



SIGNAGE DETAIL

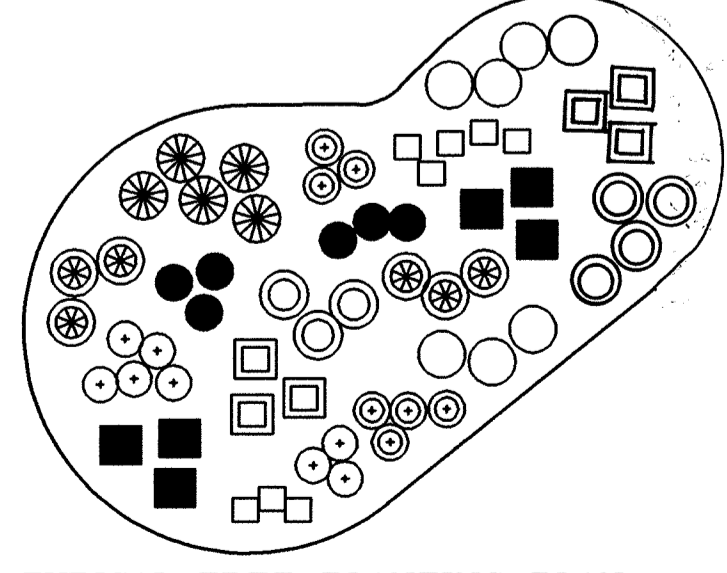


TREE PLANTING DETAIL
CONTAINER GROWN

REFORESTATION PLANT LISTS

QTY.	SPECIES	SHADE	MOIST.	WET.	MIN.O.C.	SIZE & REMARKS
		REGIME	STATUS	SPACING		
65	Prunus serotina Wild Black Cherry	I	M	FACU	11'	CONT/BROOT 3'-5' HEIGHT
65	Robinia pseudoacacia Black Locust	VI	D-M	FACU	11'	CONT/BROOT 3'-5' HEIGHT
65	Quercus prinus Chestnut Oak	MT	D-M	FACU	11'	CONT/BROOT 3'-5' HEIGHT
65	Quercus rubra Red Oak	MT	D-M	UPL	11'	CONT/BROOT 3'-5' HEIGHT
65	Fraxinus americana White Ash	MT	D-M	FACU	11'	CONT/BROOT 3'-5' HEIGHT
65	Nyssa sylvatica Black Gum	T	M-W	FAC	11'	CONT/BROOT 3'-5' HEIGHT
65	Juglans nigra Black Walnut	VT	M	FACU	11'	CONT/BROOT 3'-5' HEIGHT
65	Acer rubrum Red Maple	VT	D-W	FAC	11'	CONT/BROOT 3'-5' HEIGHT
65	Cercis canadensis Eastern Redbud	T	M	UPL	11'	CONT/BROOT 3'-5' HEIGHT
65	Diospyros virginiana Persimmon	I	D-M	UPL	11'	CONT/BROOT 3'-5' HEIGHT

Quantities Of Individual Species And Species Composition May Change Depending On Availability At Time Of Planting. Total Quantity Of Trees For Entire Easement Area Will Not Change.



TYPICAL TREE PLANTING PLAN
- SEE GENERAL NOTES 6 & 7 UNDER "PLANT INSTALLATION"
- GROUND PLANE TO BE MULCHED AFTER INSTALLATION OF PLANT MATERIAL.

General Notes

- 1) The Forest Conservation Easement Has Been Established As An Offsite Forest Mitigation Area, Per Section 16.1216 Of The Howard County Forest Conservation Act. No Clearing, Grading Or Construction Is Permitted Within The Forest Conservation Easement; However, Forest Management Practices As Defined In The Deed Of Forest Conservation easement Are Allowed.
- 2) [Symbol] Denotes Existing Forest Conservation Easement Areas (By Others)
- 3) [Symbol] Denotes Proposed Forest Mitigation Area.
- 4) [Symbol] Denotes Signage Placed At 100'± Intervals Along Perimeter(s) Indicated On Plan
- 5) [Symbol] Denotes Tree Protective Fencing.
- 6) The 1.5 acres of reforestation obligation required for the Green Clover subdivision is to be provided at this off-site location. Financial surety in the amount of \$19,602.00 (1.5 acres) will be made a part of the owner's DPW, Developers Agreement for Green Clover.

THIS PLAN IS FOR FOREST CONSERVATION EASEMENT PLANTING PURPOSES ONLY

APPROVED: DEPARTMENT OF PLANNING AND ZONING
Cindy Arnold, 12/21/10, CHIEF, DIVISION OF LAND DEVELOPMENT
John Daum, 12/21/10, CHIEF, DEVELOPMENT ENGINEERING DIVISION

OFF-SITE FOREST CONSERVATION EASEMENTS FOR GREEN CLOVER LOTS 1 AND 2 (F-00-175)

EASEMENT K - 0.264 ACRES
EASEMENT L - 0.232 ACRES
EASEMENT M - 0.272 ACRES
EASEMENT N - 0.132 ACRES
TOTAL - 1.50 ACRES

NOTE: THE PURPOSE OF THIS REVISED REFORESTATION PLANTING PLAN IS TO REVISE THE EASEMENT LOCATION TO ACCOUNT FOR AN EXISTING FOREST CONSERVATION EASEMENT FOR WOODFORD'S GRANT III UNDER F-99-02.

DATE NO. REVISION

PROJECT: GREEN CLOVER LOTS 1 THRU 4 F-00-109 & F-00-175

TITLE: OFF-SITE FOREST MITIGATION PLAN

AREA: WOODFORDS GRANT PRESERVATION PARCELS "F" & "G" TAX MAPS PARCELS 388 & 640 BLOCK 2 HOWARD COUNTY MARYLAND F-97-144 (PLAT NOS. 13113 & 13114)

TITLE: REFORESTATION PLANTING PLAN DETAILS AND SPECIFICATIONS

WILDMAN ENVIRONMENTAL SERVICES
4747 BONNIE BRANCH RD. ELLICOTT CITY, MD. 21043
PHONE: (410) 313-9999 FAX: (410) 313-9999

DESIGNED BY: R.B.W.
DRAWN BY: M.M.T.
PROJECT NO.:
DATE: OCT 18, 2000
SCALE: 1" = 100'
SHEET NO. 1 OF 1