

# PLANTING SPECIFICATION FOR REFORESTATION AREAS

1. QUANTITY: (SEE PLANT SCHEDULE)

2. TYPE: SEEDLINGS (AS SPECIFIED IN THE PLANT SCHEDULE)

3. PLANT QUALITY STANDARDS: THE PLANTS SELECTED SHALL BE HEALTHY AND STURDY REPRESENTATIVES OF THE 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 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

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,

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. 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.

6. <u>SEEDLING PLANTING:</u> TREE SEEDLINGS CAN BE HAND PLANTED USING A DIBBLE BAR OR SHARPSHOOTER 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 ROOT 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.

SPACING: SEE PLANT SCHEDULE AND/OR PLANTING PLAN FOR SPACING REQUIREMENT. ALSO REFER TO THE PLANTING LAYOUT DETAIL FOR A DESCRIPTION OF THE GENERAL PLANTING THEORY. 8. <u>SOIL:</u> UPON THE COMPLETION OF ALL GRADING OPERATIONS, A SOILED 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 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:

H.J. PATTERSON HALL LINIVERSITY OF MARYLAND COLLEGE PARK, MARYLAND 20742

THE SOIL TESTING LABORATORY AGRONOMY DEPARTMENT

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

9. <u>SOIL IMPROVEMENT MEASURES:</u> 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: SEE THE PLANTING DISTRIBUTION PATTERNS DIAGRAM.

#### **WOODLAND CONSERVATION AREA MANAGEMENT NOTES**

PROTECTION OF REFORESTATION AND AFFORESTATION AREAS BY DEVELOPERS OR BUILDERS

REFLECTED ON TCP REVISIONS APPROVED BY THE M-NCPPC ENVIRONMENTAL PLANNING SECTION.

. REFORESTATION AND AFFORESTATION AREAS SHALL BE PLANTED PRIOR TO THE OCCUPANCY OF THE NEAREST BUILDING. IF PLANTING CANNOT OCCUR DUE TO PLANTING CONDITIONS. THE DEVELOPER OR PROPERTY OWNER SHALL INSTALL THE FENCING AND SIGNAGE IN ACCORDANCE WITH THE APPROVED TYPE II TREE CONSERVATION PLAN. PLANTING SHALL THEN BE ACCOMPLISHED DURING THE NEXT PLANTING SEASON. IF PLANTING IS DELAYED BEYON THE TRANSFER OF THE PROPERTY TITLE, TO THE HOMEOWNER, THE DEVELOPER SHALL OBTAIN A SIGNED STATEMENT FROM THE PURCHASER INDICATING THAT THEY UNDERSTAND THAT THE REFORESTATION AREA IS LOCATED ON THEIR PROPERTY AND THAT REFORESTATION WILL OCCUR DURING THE NEXT PLANTING SEASON. A COPY OF THAT DOCUMENT SHALL BE PRESENTED TO THE GRADING INSPECTOR AND THE ENVIRONMENTAL PLANNING SECTION. 2. REFORESTATION AREAS SHALL NOT TO BE MOWED, HOWEVER, THE MANAGEMENT OF COMPETING VEGETATION AROUND INDIVIDUAL TREES IS ACCEPTABLE.

WOODLAND AREAS NOT COUNTED AS PART OF THE WOODLAND CONSERVATION REQUIREMENTS 1. A REVISED TREE CONSERVATION PLAN IS REQUIRED PRIOR TO CLEARING ANY WOODLAND AREA WHICH IS NOT SPECIFICALLY IDENTIFIED TO BE CLEARED ON THE MOST RECENTLY APPROVED TYPE II TREE CONSERVATION (TCP) ON FILE IN THE OFFICE OF THE M-NCPPC, ENVIRONMENTAL PLANNING SECTION LOCATED ON THE 4TH FLOOD OF THE COUNTY ADMINISTRATION BUILDING AT 14741 GOVERNOR ODEN BOWIE DRIVE, UPPER MARLBORO, MARYLAND 20772, PHONE 301-952-3650. ADDITIONAL MITIGATION WILL BE REQUIRED FOR THE CLEARING OF ALL WOODLANDS BEYOND THAT REFLECTED ON THE APPROVED PLANS. ALTHOUGH CLEARING MAY BE ALLOWED, IT MAY BE SUBJECT TO ADDITIONAL REPLACEMENT REQUIREMENTS, MITIGATION, AND FEES WHICH MUST BE

2. PROPERTY OWNERS MAY REMOVE TREES LESS THAN TWO (2) INCHES DIAMETER, SHRUBS, AND VINES IN WOODLAND AREAS WHICH ARE SAVED BUT NOT PART OF THE WOODLAND CONSERVATION REQUIREMENTS AFTER ALL PERMITS HAVE BEEN RELEASED FOR THE SUBJECT PROPERTY. THIS AREA MAY NOT BE TILLED OR HAVE OTHER GROUND DISTURBANCES WHICH WOULD RESULT IN DAMAGE TO THE TREE ROOTS. RAKING THE LEAVES AND OVERSEEDING WITH NATIVE GRASSES, NATIVE FLOWERS OR NATIVE GROUND COVERS IS ACCEPTABLE. SEEDING WITH INVASIVE GRASSES INCLUDING ANY VARIETY OF KENTUCKY 31

1. CUTTING OR CLEARING OF WOODLAND NOT IN CONFORMANCE WITH THIS PLAN OR WITHOUT THE EXPRESSED WRITTEN CONSENT OF THE PLANNING DIRECTOR OR DESIGNEE SHALL BE SUBJECT TO A \$1.50 PER SQUARE FOOT MITIGATION FEE. 2. THE DEPARTMENT OF ENVIRONMENTAL RESOURSED (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.

3. 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 THE ASSOCIATED FINES 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. 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

5. THE LOCATION OF ALL TREE PROTECTIVE 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 BEGIN. 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.

7. THE LAYOUT OF THE CONSTRUCTION SITE SHALL PROVIDE FOR SPECIAL MARKED AREAS FOR FUELING, OIL CHANGING AND EQUIPMENT MAINTENANCE, EMPLOYEE PARKING AND FOR MATERIAL STORAGE AND STOCKPILING. 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, VEHICLE OR EQUIPMENT WASTE WATER. DUMPING OF LIMBS, STUMPS, AND OTHER CLEARING DEBRIS.

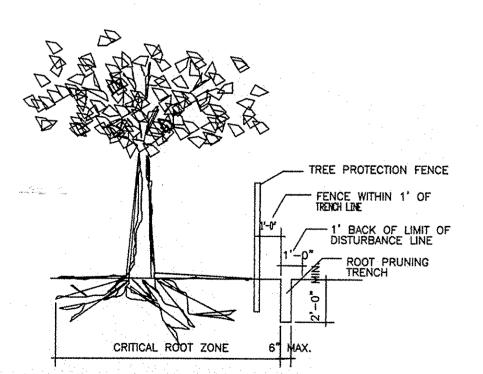
UPSTART FERTILIZER SUCH AS "ROOTS" SHALL BE APPLIED AFTER COMPLETION OF ROOT PRUNING.

DRIVING OF ANY VEHICLE OR EQUIPMENT.

STORAGE OR STOCKPILING OF MATERIALS AND SUPPLIES.

LIGHTING OF ANY FIRE, INCLUDING COOKING AND WARMING FIRES.

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. 10. PRIOR TO INSTALLATION OF SEDIMENT CONTROL DEVICES AND TREE PROTECTION FENCING, A 16" DEEP ROOT PRUNING WHERE LIMIT OF DISTURBANCE IS SHOWN ALONG PROPOSED WOODLAND EDGES SHALL BE COMPLETED USING EITHER A VIBRATORY PLOW WITH A SERRATED BLADE OR A CIRCULAR TYPE BLADE. A CHAIN TRENCHER SHALL NOT BE USED. A SINGLE TOPICAL APPLICATION OF B-1



RETENTION AREAS WILL BE SET AS PART OF THE REVIEW PROCESS.

BOUNDARIES OF RETENTION AREAS SHOULD BE STAKED AND FLAGGED PRIOR TO TRENCHING.

EXACT LOCATION OF TRENCH SHOULD BE IDENTIFIED.

TRENCH SHOULD BE IMMEDIATELY BACKFILLED WITH SOIL REMOVED OR OTHER ORGANIC SOIL.

ROOTS SHOULD BE CLEANLY CUT USING VIBRATORY KNIFE OR OTHE ACCEPTABLE EQUIPMENT.

## **ROOT PRUNING DETAIL**

NOT TO SCALE

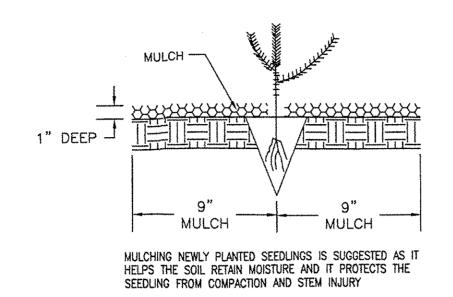
## REQUIRED TYPE II TREE CONSERVATION PLAN NOTES

1. CUTTING OR CLEARING OF WOODLAND NOT IN CONFORMANCE WITH THIS PLAN OR WITHOUT THE EXPRESSED WRITTEN CONSENT OF THE PLANNING DIRECTOR OR DESIGNEE SHALL BE SUBJECT TO A \$1.50 PER SQUARE FOOT MITIGATION FEE.

2. THE DEPARTMENT OF ENVIRONMENTAL RESOURCES (DER) INSPECTORS OFFICE SHALL BE CONTACTED PRIOR TO THE START OF ANY WORK ON THE SITE TO ADDRESS IMPLEMENTATION OF WOODLAND CONSERVATION MEASURES SHOWN ON THIS PLAN.

3. 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 THE ASSOCIATED FINES 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. 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 APPLICATION. 5. ALL REQUIRED OFF-SITE MITIGATION SHALL BE IDENTIFIED ON AN APPROVED TCPII FOR THE OFF-SITE LOCATION AND SHALL BE RECORDED AS AN OFF-SITE EASEMENT IN THE LAND RECORDS OF PRINCE GEORGE'S COUNTY PRIOR TO ISSUANCE OF ANY PERMITS PERMITS FOR THE SUBJECT PROPERTY.ALL OFF-SITE MITIGATION TO OCCUR WITHIN THE SAME SUB-WATERSHED.

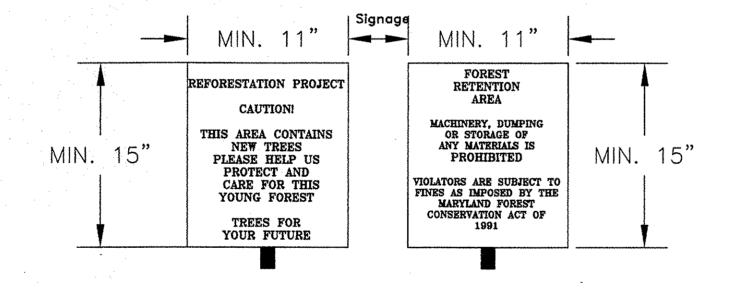


### WHIP/ BARE ROOT PLANTING DETAIL

NOT TO SCALE

#### STOCKING AND SURVIVABILITY CHART

SIZE	NUMBER REQUIRED PER ACRE	APPROXIMATE SPACING FEET ON CENTER	SURVIVABILITY REQUIREMENT AT THE END OF THE SECOND GROWING SEASON	
BARE ROOT SEEDLINGS OR WHIPS	1000	8X8	75%	750
CONTAINER GROWN SEEDLING TUBES (MINIMUM CAVITY WIDTH 1.5")	450	10X10	75%	338
CONTAINER GROWN 1,2,3 GALLON	350	12X12	75%	263
CONTAINER GROWN 5,7 GALLON OR 1" CALIPER B&B	500	15X15	85%	425
CONTAINER GROWN 15,25 GALLON OR 1.5"-2" CALIPER B&B	100	20X20	100%	100
MEET THE DEFINITION OF 2. IN CERTAIN CIRCUMST DRY SEEDING, TREE SHE APPROPRIATE STRATEGIES EVALUATED ON A CASE—	FOREST FROM BARE LAY ANCES, ANY COMBINATION LITERS, TRANSPLANTS, AN TO FULFILL THE REQUIR BY-CASE BASIS BY THE	I OF THE ABOVE MENTIONE D/OR NATURAL REGENERAT REMENTS OF AN APPROVED	ED STOCKING TON MAY BE FCD. THEY V	OPTIONS,

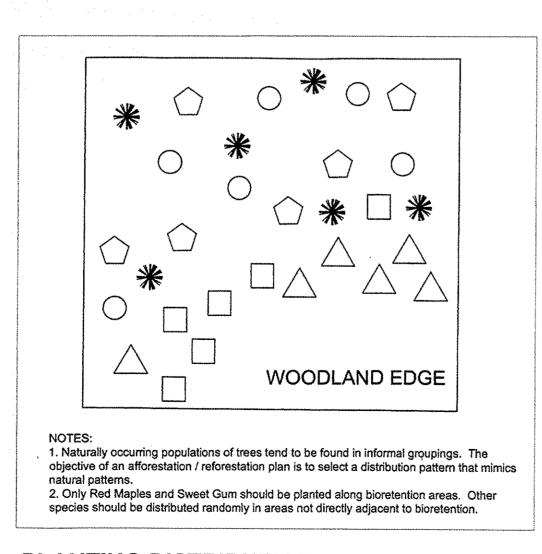


1. BOTTOM OF SIGNS TO BE HIGHER THAN TOP OF TREE PROTECTION FENCE. 2. SIGNS TO BE PLACED APPROXIMATELY 50' FEET APART. CONDITIONS ON SITE AFFECTING VISIBILITY MAY WARRANT PLACING SIGNS CLOSER OR 3. ATTACHMENT OF SIGNS TO TREES IS PROHIBITED. 4. REFER TO ADDITIONAL TYPE II TCP TREE CONSERVATION PLAN NOTES

## REFORESTATION AND RETENTION AREA SIGNS

TYPICAL DETAIL

NOT TO SCALE



## PLANTING DISTRIBUTION PATTERNS

### PLANT SCHEDULE FOR REFORESTATION

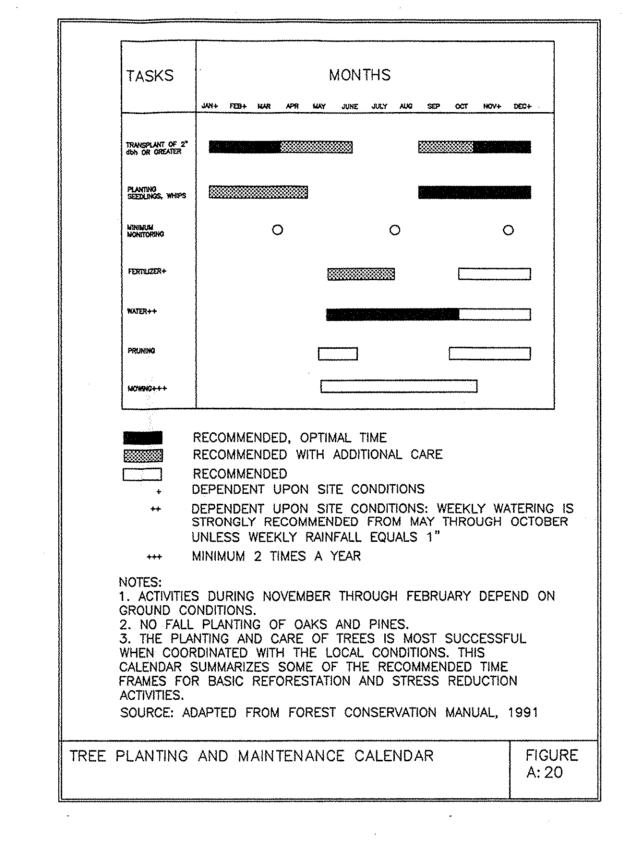
REFORESTATION AREAS SHALL BE RANDOMIZED MIX OF SEEDLINGS TULIP POPULAR (20%), HACKBERRY (20%), PIN OAK (20%), RED MAPLE (20%) EASTERN RED CEDAR (20%)

REFER TO THE PLANTING DISTRIBUTION PATTERNS DETAIL ON THIS

QUANTITIES		
70		
70		
70		
70		
70		
350		

NOTE: THE NORMAL NUMBER OF SEEDLINGS TO BE USED IS 1000/AC DETERMINED BY THE PRINCE GEORGES COUNTY'S "TECHNICAL MANUAL FOR WOODLAND CONSERVATION".

## MAINTENANCE CALENDAR

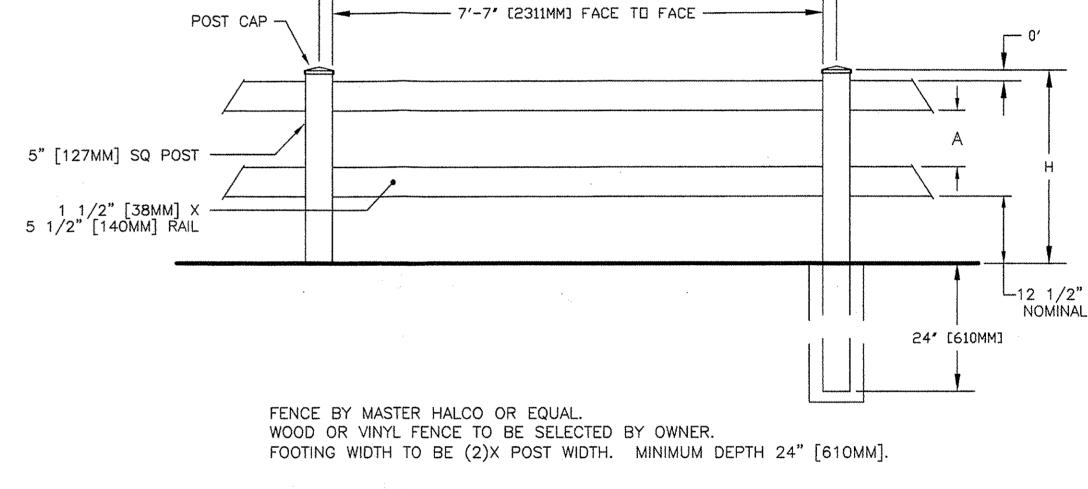


-(4"x4") POST

REFORESTATION AND CONSERVATION AREA SIGNS

TYPICAL DETAIL

NOT TO SCALE



WOODLAND CONSERVATION WORKSHEET

Include acreage in the corresponding columns for each zone.

Net Tract Floodplain Impacts

(acres) (acres)

Woodland Conservation Worksheet

Prince George's County

8.76

Trump's Hill II

2.93 acres

4.72 acres

acres

0.00 acres

**Gross Tract** 

Net Tract (NTA):

Previously Dedicated Land:

Is this a Mitigation Bank

Smaller of a or b

Woodland cleared

Smaller of d or e

Woodland above WCT

Afforestation Threshold (AFT) =

Woodland Preservation Afforestation / Reforestation

Area approved for fee-in-lieu

Area of woodland not cleared

Prepared b

Revised 9/1/04

Property Description or Subdivision Name:

Is this site subject to the 1989 Ordinance?

Is this one (1) single family lot? (y,n)

Break-even Point (preservation) =

Clearing permitted w/o reforestion=

Woodland Conservation Calculations:

Woodland Conservation Threshold (NTA) =

Clearing above WCT (0.25: 1) replacement requirement

Clearing below WCT (2:1 replacement requirement)

Off-site Mitigation being provided on this property
Woodland Conservation Required

Credits for Off-site Mitigation on another propert

Off-site Mitigation being provided on this property

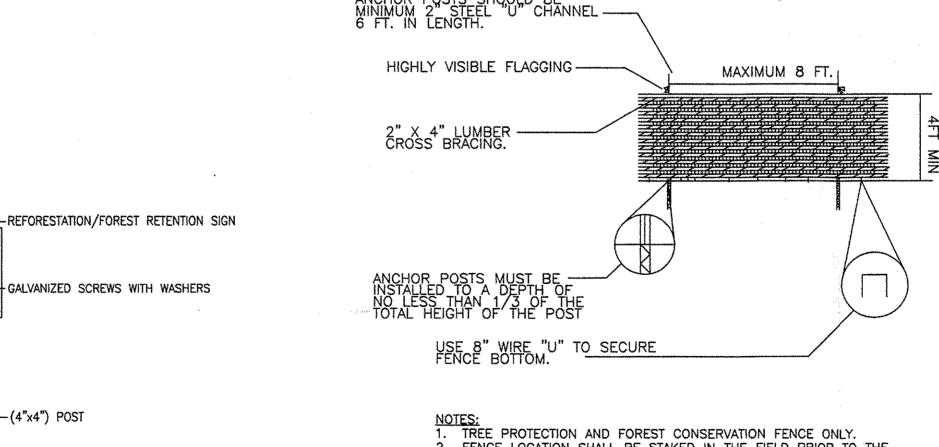
Woodland retained not part of requirements:

Total Woodland Conservation Provided

Reforesation Requirement Reduction Questions

Are there prior TCP approvals which include a combination of this lot and/or other lots. (y,n)

PERMANENT PERIMETER REFORESTATION FENCE NOT TO SCALE

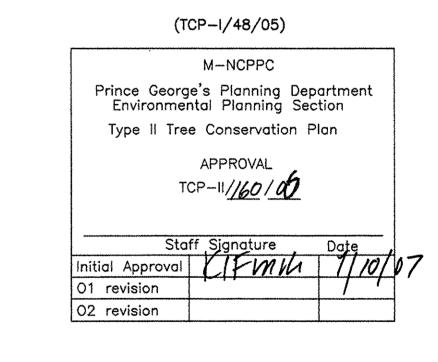


2. FENCE LOCATION SHALL BE STAKED IN THE FIELD PRIOR TO THE PRECONSTRUCTION MEETING. 3. DAMAGE TO ROOTS OF TREES SHALL BE AVOIDED.

CONTRACTOR FOR THE DURATION OF THE PROJECT.

4. PROTECTIVE SIGNS SHALL BE PLACED ON THE FENCE APPROXIMATELY 100' 5. THE FENCE SHALL BE INSPECTED AND PROPERLY MAINTAINED BY THE

TEMPORARY TREE PROTECTION FENCE NOT TO SCALE



OWNER/APPLICANT: GEORGE F. WALLACE, Trustee under the Wallace Trust 4611 SW 15th AVENUE CAPE CORAL, FLORIDA 33914

M-NCPPC APPROVALS						
PROJECT NAME: TRUMP'S HILL II						
PROJECT NUMBER: DSP # 06071 .  For Conditions of Approval see Site Plan Cover Sheet or Approval Sheet The Revisions Listed Below Apply to this Sheet						
						Approval or Revision #
	2/22/07	R6	7/11/07			
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	order than the state of the sta					

DATE: OCTOBER 4, 2006

CHECK: PVM CHECK: MW JOB NO.: 35849 P.R. NO.: SHEET 8 OF 8 FILE NO.: TCP 2 OF 2

E 200, ROCKVILLE, NPH. (301) 468-9400 FA

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