





TREE SAVE AREAS (NOT CREDITED FOR CONSERVATION)	
AREA 01	0.03 AC.
AREA 02	0.02 AC.
AREA 03	0.03 AC.
TOTAL	0.08 AC.

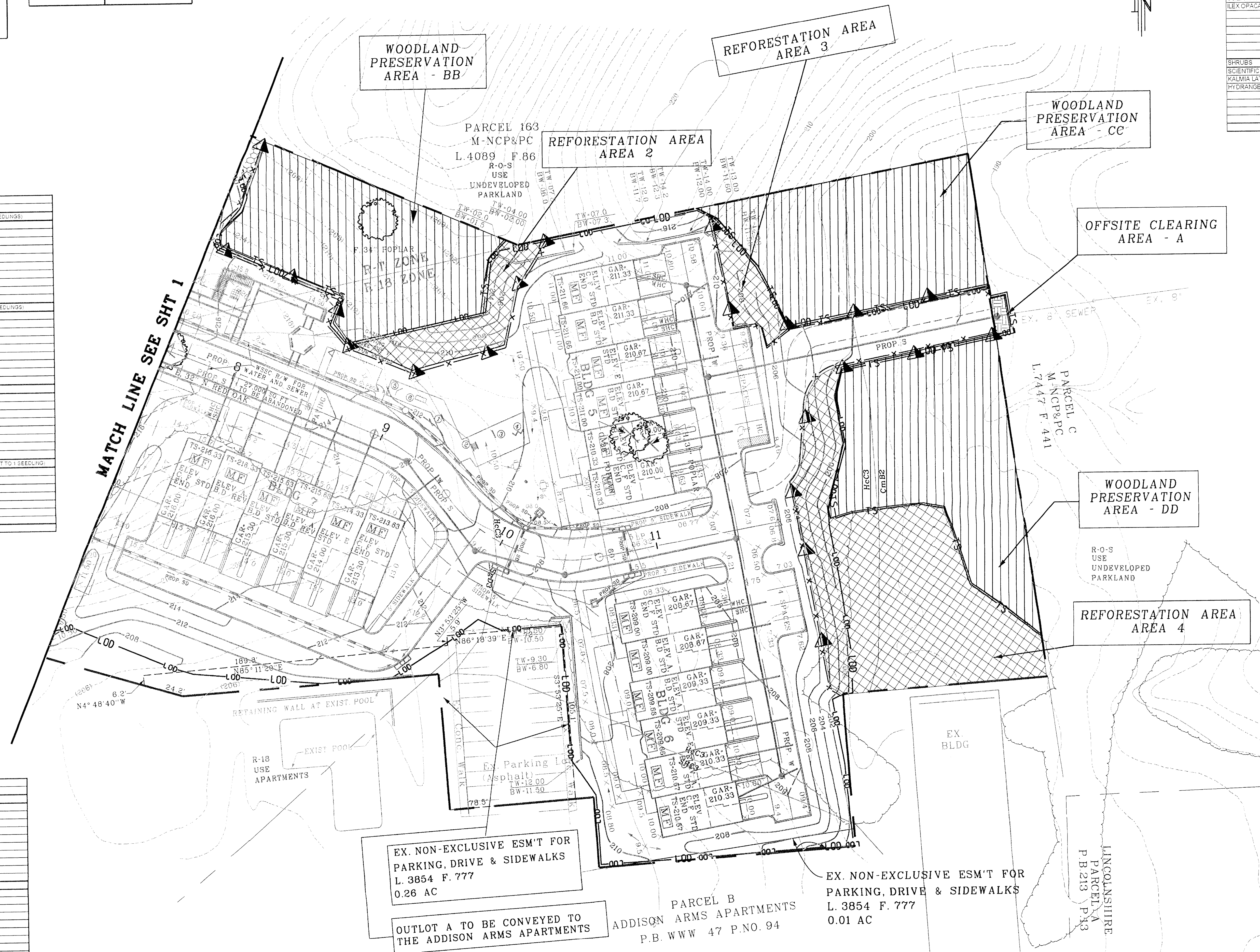
REFORESTATION	
AREA 1	0.19 AC.
AREA 2	0.07 AC.
AREA 3	0.03 AC.
AREA 4	0.32 AC.
TOTAL	0.61 AC.


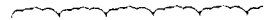


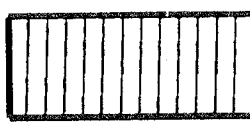
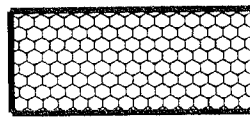

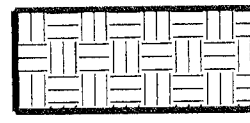

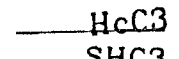




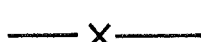
OFFSITE CLEARING	
AREA A	0.005 AC.
AREA B	0.46 AC.
TOTAL	0.47 AC.

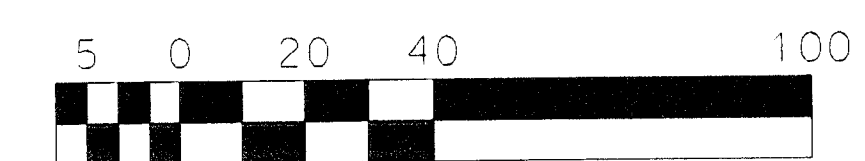
REFORESTATION PLANT LIST FOR AREA 3			
2013 ACRES x 1000=30 SEEDLINGS OR EQUIVALENT REQUIRED			
DECIDUOUS SHADE TREES		USE 2.5" CALIPER STOCK (NOTE: 2.5" CAL. TREE IS EQUIVALENT TO 5 SEEDLINGS)	
SCIENTIFIC NAME	COMMON NAME	QTY	
J. ROSEODORUM TULIFLORA	TULIP POPLAR	2	
QUERCUS ALBA	SOUTHERN RED OAK	1	
PRUNUS SEROTINA	BLACK CHERRY	1	
	TOTAL TREES	4	
	TOTAL SEEDLING EQUIVALENT:	20	
DECIDUOUS UNDERSTORY TREES		USE 1.5" CALIPER STOCK (NOTE: 1.5" CAL. TREE IS EQUIVALENT TO 3 SEEDLINGS)	
SCIENTIFIC NAME	COMMON NAME	QTY	
CORNUS Y. FLUTICAN	FLOWERING DOGWOOD	1	
	TOTAL TREES	1	
	TOTAL SEEDLING EQUIVALENT:	3	
EVERGREEN TREES		USE 3" HIGH STOCK (NOTE: 6" H. TREE IS EQUIVALENT TO 4 SEEDLINGS)	
SCIENTIFIC NAME	COMMON NAME	QTY	
LEX. OPACIA (FEMALE)	AMERICAN HOLLY	1	
	TOTAL TREES	1	
	TOTAL SEEDLING EQUIVALENT:	4	
SHRUBS		CONTAINER OR 3/4" STOCK, 3' x 4" HEIGHT (NOTE: 1/4" SHRUB IS EQUIVALENT TO 1 SEEDLING)	
SCIENTIFIC NAME	COMMON NAME	QTY	
KALMIA LATIFOLIA	MOUNTAIN LAUREL	1	
HYDRANGEA QUERCIFOLIA	OAK LEAF HYDRANGEA	2	
	TOTAL SHRUBS:	3	
	TOTAL SEEDLING EQUIVALENT:	30	

REPRODUCTION PLANT LIST FOR AREA 4			
1/2" DBH x 1000X30 SEEDLINGS OR EQUIVALENT REQUIRED			
<b>DECIDUOUS SHADE TREES</b>			
SCIENTIFIC NAME	COMMON NAME	QTY	
ACER RUBRUM	RED MAPLE	14	
QUERCUS FALCATA	SOUTHERN RED OAK	14	
LIQUIDAMBAR STYRACIFLUA	SWEETGUM	13	
	TOTAL TREES	41	
	TOTAL SEEDLING EQUIVALENT:	205	
<b>DECIDUOUS UNDERSTORY TREES</b>			
SCIENTIFIC NAME	COMMON NAME	QTY	
FRAXINUS VIRGINICA	SWEETBAY MAGNOLIA	8	
CERCIS CANADENSIS	REDBUD	5	
AMELANCHIER CANADENSIS	SHADELOW SERVICEBERRY	5	
	TOTAL TREES	18	
	TOTAL SEEDLING EQUIVALENT:	48	
<b>EVERGREEN TREES</b>			
SCIENTIFIC NAME	COMMON NAME	QTY	
ILEX OPACA (FALSAE)	AMERICAN HOLLY	6	
LUNIPERUS VIRGINIANA	EASTERN RED CEDAR	6	
	TOTAL TREES	12	
	TOTAL SEEDLING EQUIVALENT:	48	
<b>SHRUBS</b>			
SCIENTIFIC NAME	COMMON NAME	QTY	
VIBURNUM ACERIFOLIUM	MAPLELEAF VIBURNUM	9	
HYDRANGEA QUERCIFOLIA	OAKLEAF HYDRANGEA	10	
	TOTAL SHRUBS	19	
	TOTAL SEEDLING EQUIVALENT:	19	
	TOTAL SEEDLING EQUIVALENT	320	

REFORESTATION PLANT LIST FOR AREA 2			
20 TREES x 1000 FT <sup>2</sup> SEEDINGS OR EQUIVALENT REQUIRED			
<b>DECIDUOUS SHADE TREES</b>			
SCIENTIFIC NAME	USE 1'S CALIPER STOCK (NOTE: 2 1/2" CAL. TREE IS EQUIVALENT TO 3 SEEDINGS)	COMMON NAME	QTY
LIRICE-ENCLARA TULIP FERA		TULIP POPULAR	3
CERCIS ALBA		WHITE OAK	3
GLADIAMBAR SYRACIFLUA		SALEETUM	3
		TOTAL TREES	9
		TOTAL SEEDLING EQUIVALENT	45
<b>DECIDUOUS UNDERSTORY TREES</b>			
SCIENTIFIC NAME	USE 1'S CALIPER STOCK (NOTE: 1 1/2" CAL. TREE IS EQUIVALENT TO 3 SEEDINGS)	COMMON NAME	QTY
AMERICAN HOPCHORNBEAM		OSTRYA VIRGINIANA	2
CERCIS CANADENSIS		REBUD	1
AMELANCHIER CANADENSIS		SHADLOW SERVICEBERRY	1
		TOTAL TREES	4
		TOTAL SEEDLING EQUIVALENT	12
<b>EVERGREEN TREES</b>			
SCIENTIFIC NAME	USE 6" HIGH STOCK (NOTE: 6" H. TREE IS EQUIVALENT TO 4 SEEDINGS)	COMMON NAME	QTY
LEX ORALCA (FEMALE)		AMERICAN HOLLY	2
PIRUS VIRGINIANA		VIRGINIA FINE	1
		TOTAL TREES	3
		TOTAL SEEDLING EQUIVALENT	12
<b>SHRUBS</b>			
SCIENTIFIC NAME	CONTAINER OR BIX STOCK 3/4" HEIGHT (NOTE: 1 SHRUB IS EQUIVALENT TO 1 SEEDLING)	COMMON NAME	QTY
VIBURNUM DILATATUM		LINDEN VIBURNUM	1
		TOTAL SHRUBS	1
		TOTAL SEEDLING EQUIVALENT	1
		TOTAL SEEDLING EQUIVALENT	70



- LEGEND:**
-  EXISTING CONTOUR
-  EXISTING TREELINE
-  SPECIMEN TREE TO REMAIN
-  SPECIMEN TREE TO BE REMOVED
-  WOODLAND PRESERVATION
-  TREE SAVE AREAS  
(NOT CREDITED FOR  
CONSERVATION)
-  REFORESTATION
-  OFF SITE CLEARING
-  CRITICAL ROOT ZONE
-  SOILS BOUNDARY
-  PROPERTY  
BOUNDARY
-  LIMITS OF DISTURBANCE
-  PERMANENT TREE SAVE SIGN TO  
BE INSTALLED POST CONSTRUCTION
-  TREE SAVE FENCE TO BE INSTALLED  
PRIOR TO CONSTRUCTION BUT  
REMOVED AT TIME OF AFFORESTATION  
(SEE TREE SAVE SILT FENCE DETAIL)
-  AFFORESTATION SPLIT-RAIL FENCING TO BE  
INSTALLED PER CONDITION 4.4 OF PCFCS  
NO.07-14 (SEE SPLIT-RAIL FENCING DETAIL)



APPROXIMATE DISTANCE IN FEET

M-NCPPC		
PRINCE GEORGE'S COUNTY PLANNING DEPARTMENT		
ENVIRONMENTAL PLANNING SECTION		
APPROVAL		
TREE CONSERVATION PLAN		
_____		
	APPROVED BY	DATE
01		
02		
03		
04		
05		

5840 BANNEKER ROAD, SUITE 100  
COLUMBIA, MARYLAND 21044  
OFFICE (443) 276-0310  
FAX (443) 276-0319

3	ADDRESS 06/26/09 REVIEW COMMENTS	KVC	07/27/09	
2	ADDRESS 06/17/09 REVIEW COMMENTS	KVC	06/23/09	
1	ADDRESS 03/06/09 REVIEW COMMENTS	KVC	03/20/09	
NO.	REVISION	BY	DATE	

DESIGNED	KVC
TECHNICIAN	NEC
CHECKED	KVC

JOB NO  
1001

TREE CONSERVATION PLAN TYPE II

TREE CONSERVATION PLAN TYPE II

QUINCY COMMONS

18TH ELECTION DISTRICT  
PRINCE GEORGES COUNTY, MARYLAND

EET  
2 OF  
3

TOTAL SHEETS IN SET 3

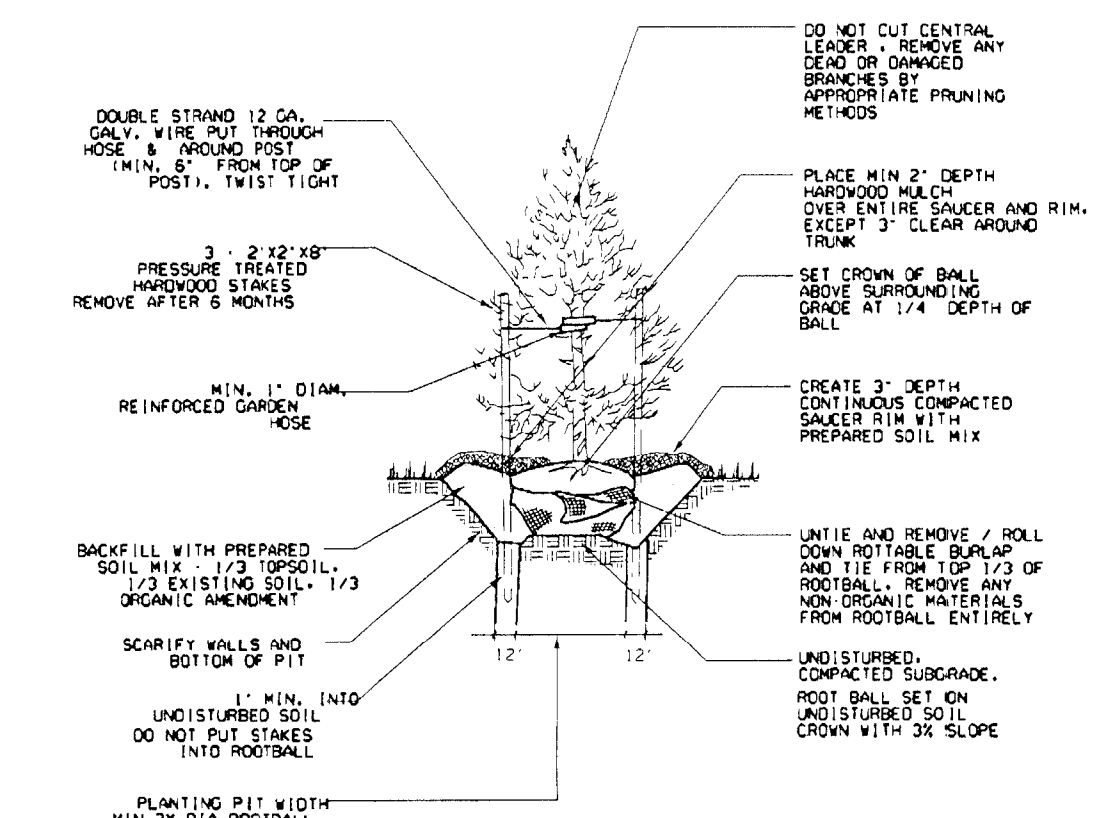


Required Type II Tree Conservation Plan Notes

- 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 \$100 per square foot mitigation fee.
- The Department of Public Works and Transportation (DPW&T) shall be contacted prior to the start of any work on the site to address implementation of woodland 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 the associated lines for unauthorized disturbances to 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 shall 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.
- All required off-site mitigation shall be identified on an approved TCEP 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 for the subject property.
- 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 Sediment and Erosion Control Inspector from DPW&T. Upon approval of the flagged or staked TPD locations by the Inspector, installation of the TPDs 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 TPD installation.
- Woodland Conservation - Tree Save Areas and/or Reforestation Areas shall be posted as shown at the same time as Tree Protective Device installation and/or start of reforestation activities. These signs shall remain in place.
- All tree planting for woodland replacement reforestation or afforestation will be completed prior to Use and Occupancy Permit. Failure to establish the woodland replacement reforestation or afforestation within the prescribed time frame will result in the forfeiture of the Reforestation Bond and/or a violation of this Plan including the associated \$150 per square foot penalty unless a written extension is approved by the DPW&T Inspector.
- The DPW&T Inspector shall be notified prior to soil preparation or initiation of any tree planting on this site.
- Results of survival checks for all tree plantings shall be reported to the DPW&T Inspector for the site and M-NCPPC Environmental Planning Section.
- Prior to the issuance on any permits the contractor responsible for soil preparation, site preparation tree planting and tree maintenance must be identified.

CONIFEROUS TREE PLANTING DETAIL

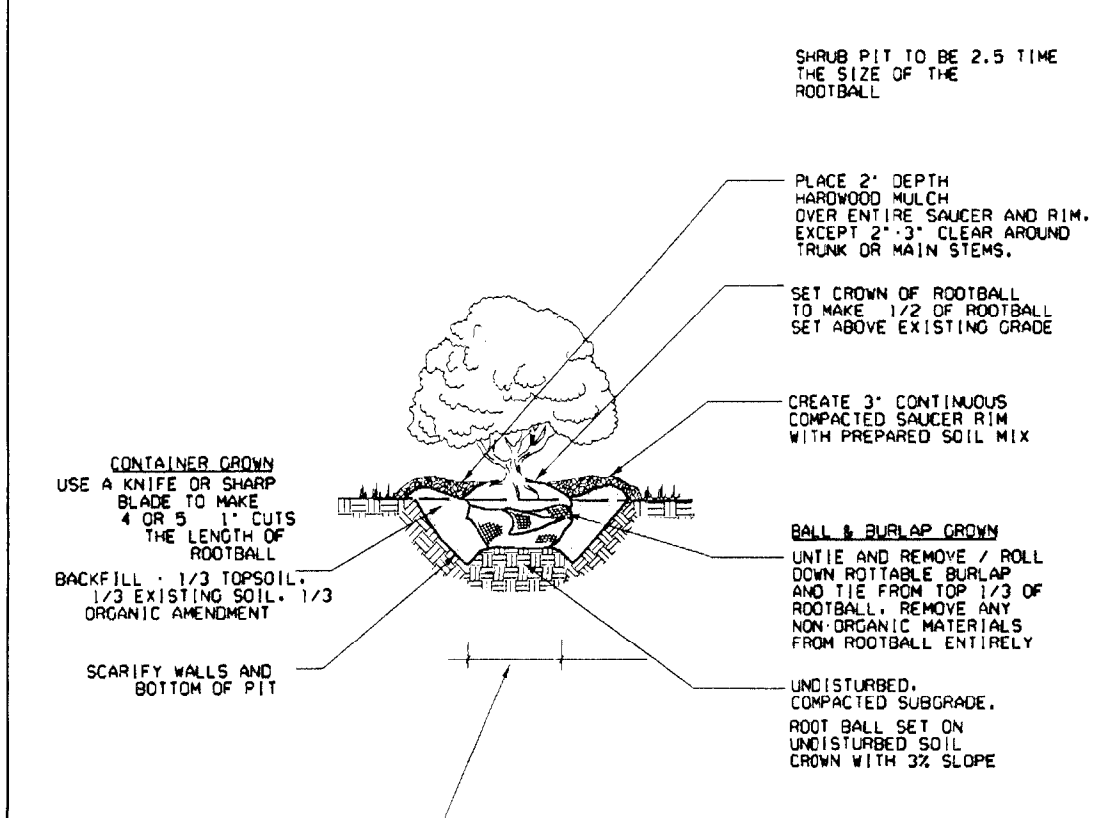
NOT TO SCALE



NOTES:  
CONTRACTOR TO INSURE, RELAND OR REFOREST AS A RESULT OF THEIR WORK.  
APPROPRIATE SIGNAGE IS TO BE USED ON TREES UP TO 12" IN HEIGHT. LARGER TREES MUST BE SIGNEDED.

SHRUB PLANTING DETAIL

NOT TO SCALE



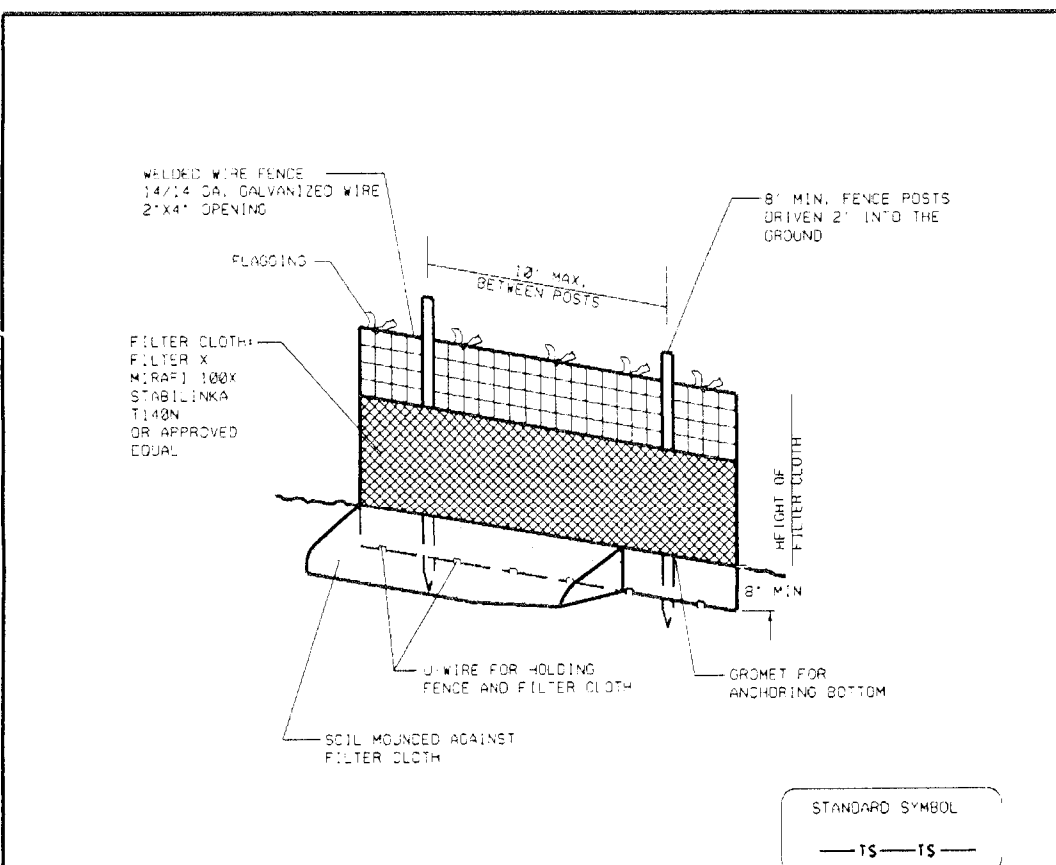
NOTES:  
CONTRACTOR TO REGRADE, SOD OR HYDROSEED ALL AREAS DISTURBED AS A RESULT OF THEIR WORK.

REFORESTATION INSPECTION AND PLANTING NARRATIVE

- REFORESTATION INSPECTION SCHEDULE  
THERE SHALL BE FIVE INSPECTIONS FOR FOREST CONSERVATION  
**A. THE FIRST INSPECTION SHALL OCCUR AFTER FLAGGING, STAKING OF THE L.O.D. AND/OR STREAM BUFFERS AND PRIOR TO ANY CLEARING, GRADING OR SEDIMENT CONTROL. MEASURES THIS INSPECTION IS TO ADDRESS THE ISSUES OF TREE PROTECTION AND SEDIMENT CONTROL. THE DEVELOPER AND REPRESENTATIVES FROM M-NCPPC AND DPW&T WILL MEET TO WALK THE PROPOSED LIMITS OF DISTURBANCE AND DETERMINE THE FINAL LOCATIONS OF SEDIMENT CONTROL DEVICES AND TREE PROTECTION DEVICES.**  
**B. THE SECOND INSPECTION SHALL OCCUR AFTER PLACEMENT OF SEDIMENT CONTROL DEVICES AND TREE PROTECTION DEVICES, AND PRIOR TO CLEARING AND GRADING. THIS INSPECTION IS TO DETERMINE THE COMPLETION AND ADEQUACY OF PROTECTIVE MEASURES.**  
**C. THE THIRD INSPECTION SHALL OCCUR PRIOR TO PLANTING IN REFORESTATION AREAS. THIS PRE-PLANTING INSPECTION IS TO MAKE FINAL DECISIONS REGARDING THE BEST IMPLEMENTATION OF THE PLANTING PLAN, INCLUDING, BUT NOT LIMITED TO, THE FINAL PLACEMENT AND SELECTION OF PLANT MATERIALS. A DETERMINATION OF THE REGENERATION POTENTIAL OF EXISTING PLANTS TO DELIVERY OF PLANT MATERIALS SHOULD NOT BE MADE UNTIL AFTER THIS INSPECTION SINCE A DETERMINATION MAY BE MADE IN THE FIELD TO ALTER THE CHOICE OF PLANT MATERIAL.**  
**D. THE FOURTH INSPECTION SHALL OCCUR IMMEDIATELY FOLLOWING THE COMPLETION OF THE REFORESTATION PLANTING. THIS INSPECTION IS TO DETERMINE THE COMPLETION AND ADEQUACY OF THE PLANTING.**  
**E. THE FIFTH AND FINAL INSPECTION SHALL OCCUR AT THE COMPLETION OF THE TWO-YEAR MAINTENANCE PROGRAM. THE PURPOSE OF THIS INSPECTION IS TO DETERMINE THE SUCCESS OF THE MAINTENANCE PROGRAM (AND DEER MANAGEMENT PROGRAM) AND A FINAL FURTHER MAINTENANCE PROGRAM ARE NECESSARY.**
- PRE-PLANTING CONSIDERATIONS  
**A. IN AREAS WITH SUBSTANTIAL GROWTH OF INVASIVE GROUND COVER SPECIES, MEASURES SHALL BE TAKEN TO REMOVE AND CONTROL INVASIVES. THE INFESTED AREAS SHOULD BE MOWED PRIOR TO PLANTING. NECESSARY WEED CONTROL MEASURES SHOULD BE DETERMINED DURING THE PRE-PLANTING INSPECTION, INCLUDING, BUT NOT LIMITED TO, MOWING, PREPARED WEED CONTROLS WILL BE LIMITED TO EXTENSIVE CASES AND, ONLY WITH PROPER WRITTEN MEASURES. THE TYPICAL TREE PLANTING DISTRIBUTION PATTERN SHOULD BE MODIFIED SO AS TO ALLOW ACCESS BY MOWING EQUIPMENT WITHOUT DAMAGE TO PLANTINGS.**  
**B. A SOILS ANALYSIS WILL BE CONDUCTED PRIOR TO COMMENCEMENT OF REFORESTATION, ON BEHALF OF AREAS OF UNDISTURBED SOIL. TO DETERMINE IF A FRACATION LAYER IS PRESENT. IF A FRACATION IS PRESENT, IT SHOULD BE REMOVED BY AUGERING AND PLANTING HOLE HEIGHT OF THE FILE HOES MUST BE TWICE THE NORMAL DIAMETER FOR THE MATERIAL PLANTED.**  
**C. SOILS SHOULD BE TREATED BY INCORPORATING NATURAL MULCH WITHIN THE TOP 12 INCHES, OR ORGANIC MULCH OR LEAF MOLD COMPOST ARE PREFERRED.**  
**D. IF FILL MATERIAL IS USED AT THE PLANTING SITE, IT SHOULD BE CLEAN FILL WITH 12 INCHES OF NATIVE SOIL. STOCKPILING OF NATIVE TOP SOILS MUST BE DONE IN SUCH A WAY THAT THE HEIGHT OF THE FILE HOES MUST NOT DAMAGE THE SEED BANK.**
- PLANT MATERIAL STORAGE  
IT IS RECOMMENDED THAT PLANTING OCCUR WITHIN 24 HOURS OF DELIVERY TO THE SITE. PLANT MATERIALS WHICH ARE LEFT UNPLANTED FOR MORE THAN 48 HOURS SHOULD BE PROTECTED FROM DIRECT SUN AND WEATHER AND KEPT MOIST. NURSERY STOCK SHOULD NOT BE LEFT UNPLANTED FOR MORE THAN TWO (2) WEEKS. PLANTING STOCK SHOULD BE PROTECTED FROM DIRECT SUN AND WEATHER AND KEPT MOIST. NURSERY STOCK SHOULD NOT BE LEFT UNPLANTED FOR MORE THAN TWO (2) WEEKS. PLANTING STOCK SHOULD BE PROTECTED FROM DIRECT SUN AND WEATHER AND KEPT MOIST.
- ON-SITE INSPECTION  
PRIOR TO PLANTING, PLANTING STOCK SHOULD BE INSPECTED. PLANTS NOT CONFORMING TO STANDARD NURSERYMAN SPECIFICATIONS FOR SIZE, FORM, VIGOR, ROOTS, TRUNK WOUNDS, INSECTS, AND DISEASE SHOULD BE REPLACED.
- PLANTING SPECIFICATIONS  
**A. CONTAINER GROWN STOCK: SUCCESSFUL PLANTING OF CONTAINER GROWN STOCK REQUIRES CAREFUL SITE PREPARATION AND INSPECTION OF THE PLANT MATERIAL ROOT SYSTEM. CAUTION IS RECOMMENDED WHEN SELECTING PLANTS GROWN IN A SOIL MEDIUM DIFFERENT FROM THAT OF THE PLANTING SITE. THE PLANT SHOULD BE REMOVED FROM THE CONTAINER AND THE ROOTS GENTLY LOOSED FROM THE SOIL. IF THE ROOTS ARE BOUND TO THE CONTAINER AND THE SUBSTITUTION IS STRONGLY RECOMMENDED. I-SHAPED OR KINKED ROOT SYSTEMS SHOULD ALSO BE NOTED AND SUBSTITUTED IF NECESSARY. ROOTS MAY NOT BE TRIMMED ON-SITE PREPARED AS SPECIFIED. NATIVE STOCKS SHOULD BE PLANTED IN THE FIELD. BARKS SHOULD BE EVENLY OVER THE PLANTING FIELD AND COVER WITH 2 TO 4 INCHES OF MULCH.**  
**B. BALLED AND BURLAPPED TREES: BALLED AND BURLAPPED TREES MUST BE HANDLED WITH CARE WHILE PLANTING. TREES SHOULD NOT BE PICKED UP BY THE TRUNK OR DROPPED, AS BOTH PRACTICES WILL TEND TO SEPARATE THE TRUNK FROM THE ROOT BALL. PRIOR TO PLANTING, ROOT BALLS SHOULD BE KEPT MOIST.**  
**C. PLANTING FIELDS SHOULD BE CREATED EQUAL TO 2-3 TIMES THE DIAMETER OF THE ROOT BALL. AVAILABLE, SHOULD BE USED TO BACKFILL THE PLANTING FIELD. STOCKPILING NATIVE TOP SOILS, IF RECOMMENDED IN THE PLANTING FIELD, AS STUDIES HAVE SHOWN THAT ROOTS WILL BE ENCOURAGED TO STAY WITHIN THE AMENDED SOILS. SOILS SHOULD BE RAKED EVENLY OVER THE PLANTING FIELD AND COVERED WITH 2 TO 4 INCHES OF MULCH.**  
**D. STAKING OF TREES IS NOT RECOMMENDED EXCEPT IN AREAS OF HIGH WINDS. MOVEMENT IS SHOULD BE REMOVED AFTER THE FIRST GROWING SEASON. WRAPPING IS ALSO NOT RECOMMENDED DUE TO THE INCREASED OPPORTUNITIES FOR INSECT INFESTATION AND DISEASE.**
- POST-PLANTING CONSIDERATIONS  
**A. SOIL STABILIZATION: FOR AREAS OF LARGE-SCALE DISTURBANCES, SOILS MUST BE STABILIZED USING A NON-TURF-BUILDING GROUND COVER OR ENGINEERING FABRIC.**  
**B. PROTECTIVE DEVICES: TO PREVENT DAMAGE TO PLANTED AREAS, ALL REFORESTATION AND AFFORESTATION SITES MUST BE POSTED WITH APPROPRIATE SIGNS AND FENCED. CONSTRUCTION EQUIPMENT SHALL BE PROHIBITED IN THESE AREAS.**  
**C. IN AREAS WHERE A SIGNIFICANT RISK OF DAMAGE BY DEER IS ANTICIPATED, A DEER MANAGEMENT PROGRAM MUST BE REVIEWED AND APPROVED BY M-NCPPC. ANY SUBSTANTIAL DAMAGE TO PLANTINGS MUST BE REPAIRED BEFORE REFORESTATION BONDS WILL BE RELEASED.**  
**D. SURVIVAL RATE OF REFORESTATION MATERIAL TO BE 75% AT THE END OF THE SECOND GROWING SEASON.**

WOODLAND CONSERVATION AREA MANAGEMENT NOTES

- Prepared by the Environmental Planning Section,  
Planning Department, M-NCPPC
- Removal of Hazardous Trees or Hazardous Limbs By Developers or Builders
- The developer and/or builder is responsible for the complete preservation of all forested areas shown on the approved plan to remain undisturbed. Only trees or parts thereof designated by the Department of Environmental Resources as dead, dying or hazardous may be removed.
- A tree is considered hazardous if a condition is present which leads to a hazardous or a Licensed Tree Expert to believe that the tree or a portion of the tree has a potential to fall and strike a structure parking area or other high use area and result in personal injury or property damage.
  - If a hazardous condition may be alleviated by corrective pruning, the Licensed Arborist or a Licensed Tree Expert may proceed without further authorization. The pruning must be done in accordance with the latest edition of the ANSI A-300 Pruning Standards (A-Tree, Shrub, and Other Woody Plant Maintenance - Standard Practices).
  - Corrective measures requiring the removal of the hazardous tree or portions thereof shall require authorization by the building or grading inspector if there is a valid grading or building permit for the subject lots or parcels on which the trees are located. Only after approval of the appropriate inspector may the tree be cut by chainsaw to near the existing ground level. The stump may not be removed or covered with soil, mulch or other materials that would inhibit sprouting.
  - Debris from the tree removal or pruning that occurs within 35 feet of the woodland edge may be removed and properly disposed of by recycling chipping or other acceptable methods. All debris that is more than 25 feet from the woodland edge shall be cut up to allow contact with the ground, thus encouraging decomposition. The smaller materials shall be placed into brush piles that will serve as wildlife habitat.
- Removal of Hazardous Tree, Hazardous Limbs, Noxious Plants, Invasive Plants, or Non-Native Plants in Woodland Conservation Areas Owned by Individual Homeowners
- If the developer or builder no longer has an interest in the property, the home owner shall obtain a written statement from the Licensed Arborist or Licensed Tree Expert identifying the hazardous condition and the proposed corrective measures prior to having the work conducted. The tree may then be removed by the arborist or tree expert. The stump may be cut as close to the ground as possible and left in place. The removal or grinding of the stumps in the woodland conservation area is not permitted.
  - The removal of noxious invasive, and non-native plant species from the woodland conservation areas may be done with the use of hand-held equipment only such as pruners or a chain saw. These plants may be cut near the ground and the material less than two inches diameter may be removed from the area and disposed of appropriately. All material from these noxious, invasive and non-native plants greater than two (2) inches diameter shall be cut to allow contact with the ground thus encouraging decomposition.
  - The use of broadcast spraying of herbicides is not permitted. However, the use of herbicides to discourage sprouting of invasive noxious or non-native plants is permitted if done as an application of the chemical directly to the cut stump immediately following cutting of plant tops. The use of any herbicide shall be done in accordance with the label instructions.
- Note: The use of chainsaws is extremely dangerous and should not be conducted with poorly maintained equipment, without safety equipment, or by individuals not trained in the use of this equipment for the pruning and/or cutting of trees.
- Protection of Reforestation and Afforestation Areas by Developers or Builders
- Reforestation and afforestation areas shall be planted prior to the occupancy of the nearest building or residence. 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 beyond 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.
  - Reforestation areas shall not be mowed however, the management of competing vegetation around individual trees is acceptable.
- Protection of Reforestation and Afforestation Areas by Individual Homeowners
- Reforestation fencing and signage shall remain in place in accordance with the approved Type II Tree Conservation Plan or until the trees have grown sufficiently to have crown closure.
  - Reforestation areas shall not be mowed however, the management of competing vegetation around individual trees is acceptable.
- Woodland Areas NOT Counted as Part of the Woodland Conservation Requirements
- A revised Tree Conservation Plan is required prior to clearing any woodland area which is not specifically identified to be cleared in the approved Type II Tree Conservation Plan located on the 4th floor of the County Administration Center, 1000 Governor Odem Bowie Drive, Upper Marlboro, Maryland 20776, phone 301-952-3600. The revised plan must be approved by the M-NCPPC Environmental Planning Section. The revised plan must be approved by the M-NCPPC Environmental Planning Section. The revised plan must be approved by the M-NCPPC Environmental Planning Section.
  - Homeowners or 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 over-seeding, if a particular species suffers unusually high mortality, replace with an alternate plant type.
  - 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.



NOTES

- COMBINE SEDIMENT CONTROL AND PROTECTIVE DEVICE
- RETENTION AREA WILL BE SET AS PART OF THE REVIEW PROCESS
- BOUNDARIES OF RETENTION AREA SHOULD BE STAKED PRIOR TO INSTALLING PROTECTIVE DEVICE
- ROOT DAMAGE SHOULD BE AVOIDED
- MOULD SOIL ONLY WITHIN LIMITS OF DISTURBANCE
- PROTECTIVE SIGNAGE IS REQUIRED
- ALL STANDARD MAINTENANCE FOR SEDIMENT CONTROL DEVICES APPLY TO THESE DETAILS

TREE SAVE / SILT FENCE

NOTE: FENCING TO BE INSTALLED PRIOR TO CONSTRUCTION AND REMOVED BEFORE THE INSTALLATION OF THE SPLIT RAIL FENCE

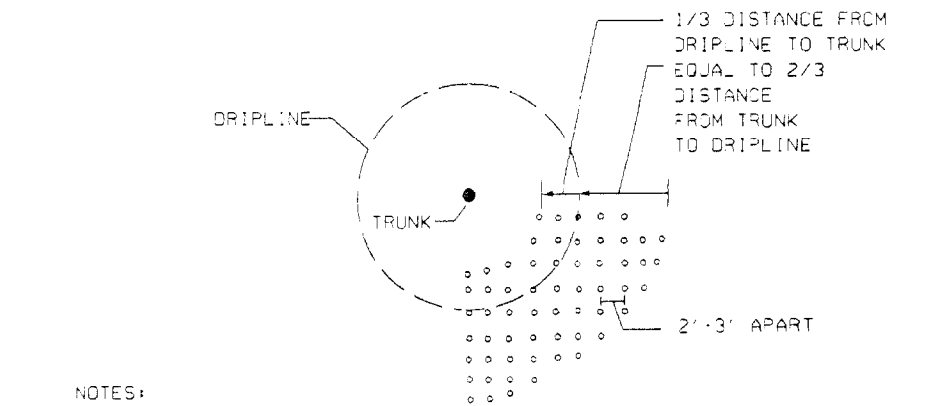
TASKS	MONTHS
INSTALLMENT OF 2" OR GREATER	JAN, FEB, MAR, APR, MAY, JUNE, JULY, AUG, SEP, OCT, NOV, DEC
PLANTING SEEDLINGS, WHIPS	
MINIMUM MONITORING	
FERTILIZER (IF NEEDED)	
WATERING	
PRUNING	

RECOMMENDED - OPTIMAL TIME  
RECOMMENDED WITH ADDITIONAL CARE  
RECOMMENDED

DEPENDENT UPON SITE CONDITIONS  
DEPENDENT UPON SITE CONDITIONS: WEEKLY WATERING IS STRONGLY RECOMMENDED FROM MAY THROUGH OCTOBER UNLESS WEEKLY RAINFALL EQUALS 1"

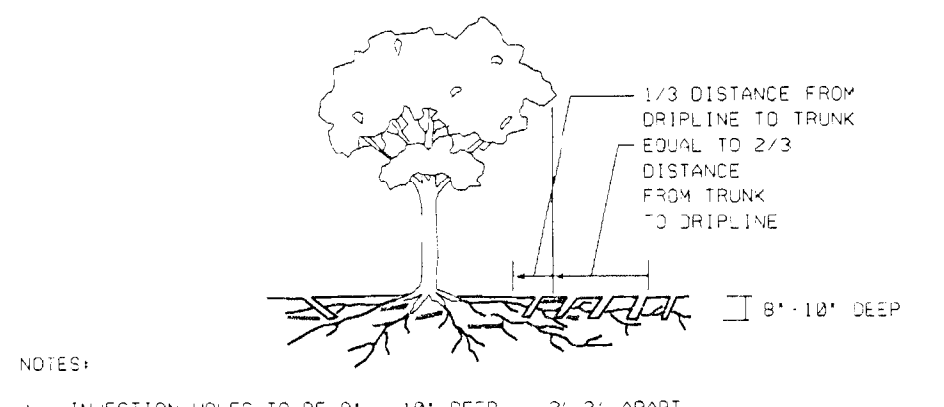
- ACTIVITIES DURING NOVEMBER THROUGH FEBRUARY DEPEND ON GROUND CONDITIONS.
  - NO FALL PLANTING OF WHIPS AND PINES.
  - THE PLANTING AND CARE OF TREES IS MOST SUCCESSFUL WHEN COORDINATED WITH THE USUAL CONCURRENCE.
- THIS CALENDAR SUMMARIZES SOME OF THE RECOMMENDED TIME FRAMES FOR BASIC REFORESTATION AND STRESS REDUCTION ACTIVITY.

VERTICAL MULCHING OR FERTILIZING

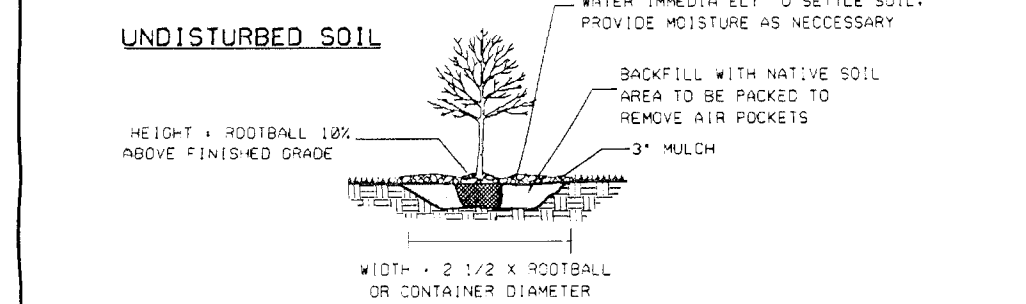


- AUGER HOLES 8" - 12" DEEP, 2'-3' APART, 1'-3' WIDE.
- LEAVE SOIL ON GROUND.
- APPLY FERTILIZER 1/2" DISTANCE IN FROM DRILLING TO TRUNK.
- FERTILIZE WITH 50/50 COMPOST AND PINE FINES.

APPLICATION OF FERTILIZER BY INJECTION

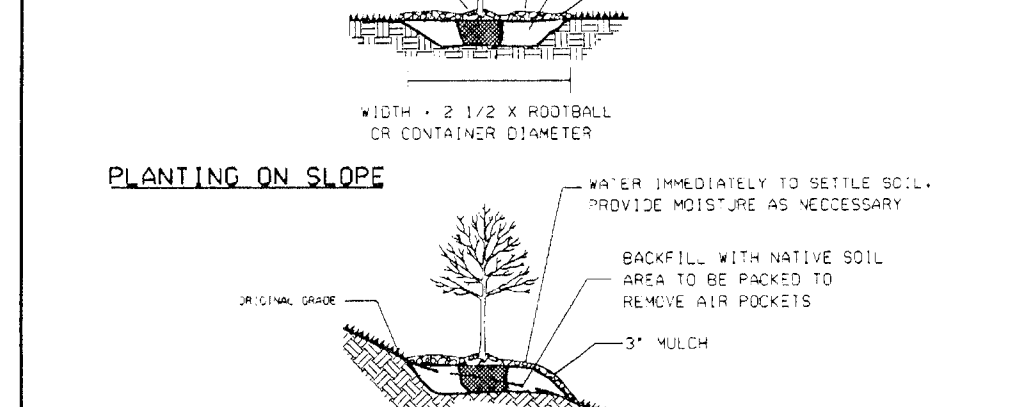


- INJECTION HOLES TO BE 8" - 12" DEEP, 2'-3' APART.
- AUGER HOLES, DO NOT PILE LEAVES OR SOIL ON GROUND.
- APPLY FERTILIZER 1/2" DISTANCE IN FROM DRILLING.
- TO TRUNK AND EXTEND 2/3 OUT FROM DRILLING.



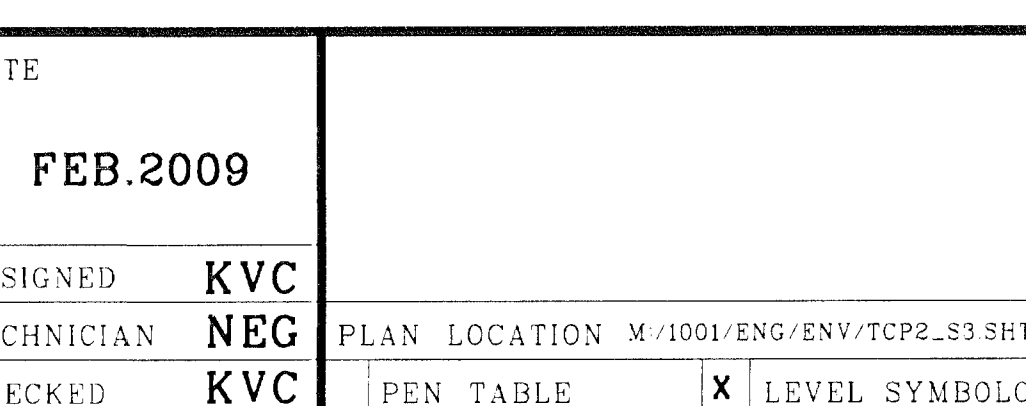
- WATER IMMEDIATELY TO SETTLE SOIL. PROVIDE MOISTURE AS NECESSARY.
- BACKFILL WITH NATIVE SOIL. REMOVE AIR POCKETS.
- WATER IMMEDIATELY TO SETTLE SOIL. PROVIDE MOISTURE AS NECESSARY.
- BACKFILL WITH NATIVE SOIL. REMOVE AIR POCKETS.

DISTURBED SOIL



- WATER IMMEDIATELY TO SETTLE SOIL. PROVIDE MOISTURE AS NECESSARY.
- BACKFILL WITH NATIVE SOIL. REMOVE AIR POCKETS.
- WATER IMMEDIATELY TO SETTLE SOIL. PROVIDE MOISTURE AS NECESSARY.
- BACKFILL WITH NATIVE SOIL. REMOVE AIR POCKETS.

PLANTING ON SLOPE

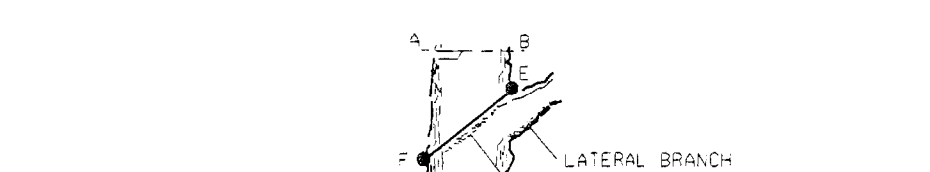


PRUNING A BRANCH



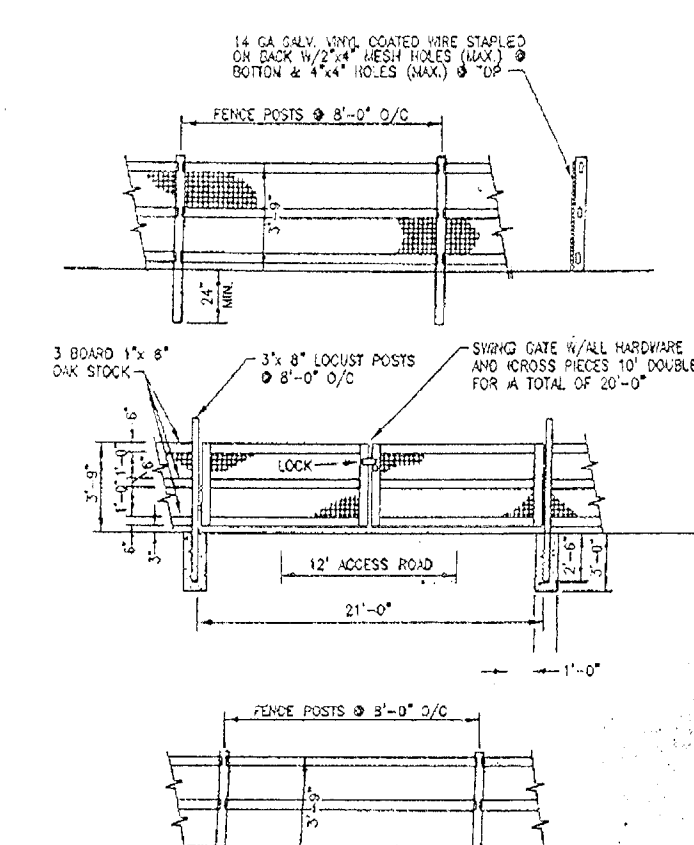
- REMOVE BRANCH WEIGHT BY UNDERCUTTING AT 'A' AND REMOVE LIMB BY CUTTING THROUGH AT 'B'.
- REMOVE STUB AT 'C' (LINE BETWEEN BRANCH BARK RIDGE AND OUTER EDGE OF BRANCH COLLAR).
- IF 'C' IS DIFFICULT, TRY TO FIND AN HORIZONTAL, ANGLE OF 'C' TO TRUNK SHOULD BE THE REFLECTIVE ANGLE OF THE BARK BRANCH RIDGE TO THE TRUNK.
- ONLY PRUNE AT SPECIFIED TIMES.
- REMOVE NO MORE THAN 30% OF CROWN AT ONE TIME.

PRUNING A LEADER TO REDUCE SIZE



- REMOVE TOP WEIGHT BY UNDERCUTTING AT 'A' AND REMOVE LIMB BY CUTTING THROUGH AT 'B'.
- REMOVE STUB AT 'C' (PARALLEL TO THE BARK BRANCH RIDGE).
- ONLY PRUNE AT SPECIFIED TIMES.
- NO MORE THAN 30% OF CROWN TO BE REMOVED AT ONE TIME.
- DIAMETER OF LATERAL BRANCH SHOULD BE NO LESS THAN 30% OF THE DIAMETER OF THE LEADER.

REFORESTATION/ AFFORESTATION FENCING FOR DESIGNATED INTERIOR PLANTING AREAS ONLY

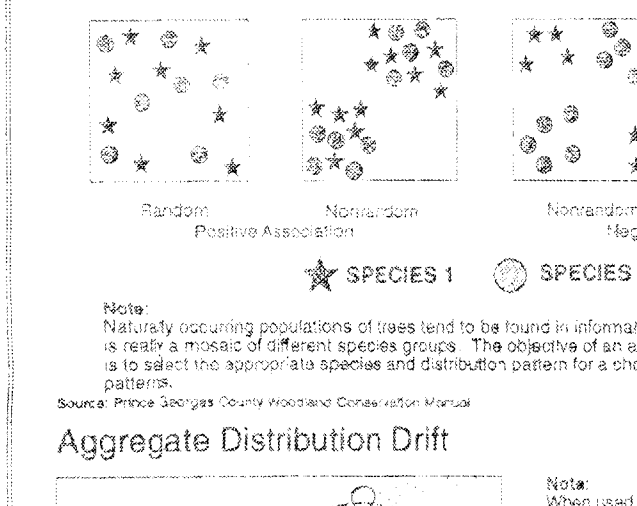


SPLIT RAIL FENCE DETAIL



- ACROSS PROTECTION DEVICES ONLY.
- REFORESTATION AREAS WILL BE SET AS PART OF THE REVIEW PROCESS.
- BOUNDARIES OF RETENTION AREA SHOULD BE STAKED PRIOR TO INSTALLING DEVICES.
- ROOT DAMAGE SHOULD BE AVOIDED.
- MOULD SOIL ONLY WITHIN LIMITS OF DISTURBANCE.
- PROTECTIVE SIGNAGE IS REQUIRED.
- ALL STANDARD MAINTENANCE FOR SEDIMENT CONTROL DEVICES APPLY TO THESE DETAILS.

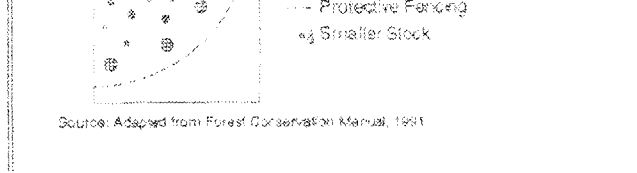
Typical Forest Tree Distribution Patterns



Aggregate Distribution Drift



Planting Distribution Patterns



M-NCPPC PRINCE GEORGE'S COUNTY PLANNING DEPARTMENT ENVIRONMENTAL PLANNING SECTION

APPROVAL TREE CONSERVATION PLAN

APPROVED BY	DATE
01	
02	
03	
04	
05	

Petra Engineering LLC

5840 BANNEKER ROAD, SUITE 100  
COLUMBIA, MARYLAND 21044  
OFFICE (443) 276-0310  
FAX (443) 276-0319

NO.	REVISION	BY	DATE
3	ADDRESS 06/26/09 REVIEW COMMENTS	KVC	07/27/09
2	ADDRESS 06/17/09 REVIEW COMMENTS	KVC	06/23/09
1	ADDRESS 03/08/09 REVIEW COMMENTS	KVC	03/20/09

DATE	DESIGNED	TECHNICIAN	CHECKED	PEN	TABLE	LEVEL	SYMBOLS
FEB. 2009	KVC	NEG	KVC				

SCALE	JOB NO.
NTS	1001

TREE CONSERVATION PLAN TYPE II NOTES AND DETAILS

TREE CONSERVATION PLAN TYPE II QUINCY COMMONS

18TH ELECTION DISTRICT  
PRINCE GEORGES COUNTY, MARYLAND

TOTAL SHEETS IN SET... 3