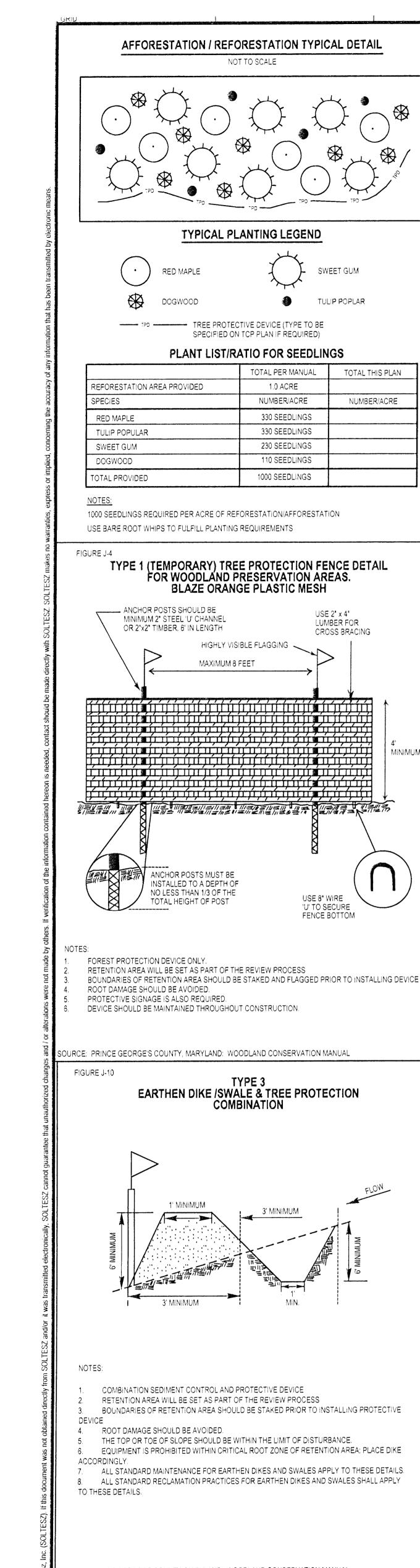
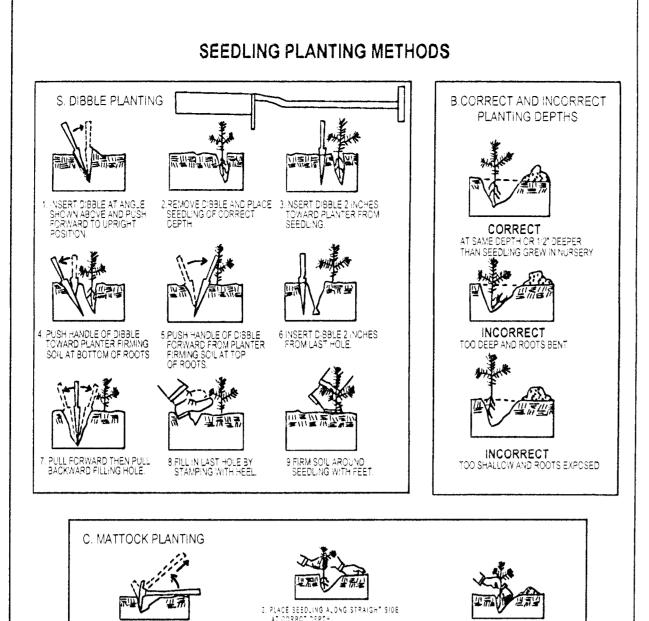
WESTPHALIA TOWN CENTER TCPII-029-12 TREE CONSERVATION PLAN TYPE II APPROVAL TRACKING TABLE REVISION | ASSOCIATED CASE & DETAILED DESCRIPTION AFFECTED PLAN SHEETS RESOLUTION NUMBER PHASE 1 ROUGH GRADING AND **PGCPB 12-99 INFRASTRUCTURE** WESTPHALIA TOWN CENTER 1. THIS PLAN IS SUBMITTED TO FULFILL THE WOODLAND CONSERVATION REQUIREMENTS FOR DSP-13006 ADDITIONAL DISTURBANCE AND CLEARING IF DSP-13006 EXPIRES, THEN THIS TCP2 ALSO EXPIRES AND IS NO LONGER VALID. PHASE 1 FOR THE STATE HIGHWAY PROJECT AT MD RTE 4 AND MELWOOD RD 2. CUTTING OR CLEARING OF WOODLAND NOT IN CONFORMANCE WITH THIS PLAN OR WITHOUT THE EXPRESSED INTERCHANGE, THE INSTALLATION OF TH WRITTEN CONSENT OF THE PLANNING DIRECTOR OR DESIGNEE SHALL BE SUBJECT TO A \$9.00 PER SQUARE FOOT WATER AND SEWER LINES ALONG THE ACK BRANCH STREAM VALLEY INCLUDIN 3 A PRE-CONSTRUCTION MEETING IS REQUIRED PRIOR TO THE ISSUANCE OF GRADING PERMITS, THE DEPARTMENT HE OFF-SITE SEWER CONNECTION TO TH MELWOOD (15th) ELECTION DISTRICT, PRINCE GEORGE'S COUNTY, MARYLAND OF PUBLIC WORKS AND TRANSPORTATION OR THE DEPARTMENT OF ENVIRONMENTAL RESOURCES, AS AST AND FOR A REVISED OUTFALL DESIGN APPROPRIATE, SHALL BE CONTACTED PRIOR TO THE START OF ANY WORK ON THE SITE TO CONDUCT A SSOCIATED WITH POND 2. PRE-CONSTRUCTION MEETING WHERE IMPLEMENTATION OF WOODLAND CONSERVATION MEASURES SHOWN ON PHASE 1 RESIDENTIAL & ASSOCIATED THIS PLAN WILL BE DISCUSSED IN DETAIL. 2,10,11,15,16,21,22,23,29 PGCPB 13-119 DISTURBANCE FOR CONSTRUCTION & 30,31,34,35,36,37,38,39,40, 4. THE DEVELOPER OR BUILDER OF THE LOTS OR PARCELS SHOWN ON THIS PLAN SHALL NOTIFY FUTURE BUYERS TREAM RESTORATION 41.42.43.44.45.46,47,49.50. OF ANY WOODLAND CONSERVATION AREAS THROUGH THE PROVISION OF A COPY OF THIS PLAN AT TIME OF (ON SHEETS 36,42,43,44,45,46) CONTRACT SIGNING. FUTURE PROPERTY OWNERS ARE ALSO SUBJECT TO THIS REQUIREMENT. ADDITIONAL OFF-SITE CLEARING DUE TO 2, 42, 43, 44, 49, 50, 53, 5 5. THE OWNERS OF THE PROPERTY SUBJECT TO THIS TREE CONSERVATION PLAN ARE SOLELY RESPONSIBLE FOR SHA INTERCHANGE DESIGN & CONFORMANCE TO THE REQUIREMENTS CONTAINED HEREIN. 30' PEPCO UTILITY ESMT. 6. THE PROPERTY IS WITHIN THE DEVELOPING TIER AND IS ZONED M-X-T MODIFICATION OF ON-SITE DISTURBANCE 1, 2, 34, 39, 41-44. FOR PEPCO ACCESS ROAD, ADDITION OF 7. THE SITE IS ADJACENT TO PENNSYLVANIA AVENUE (MD ROUTE 4) WHICH IS DESIGNATED AS SCENIC AND TRAILER COMPOUND, ON-SITE AND OFF-SITI SCENIC BYWAY CONNECTOR AND MELWOOD ROAD WHICH IS DESIGNATED AS AN HISTORIC ROAD. REALIGNMENT OF SEWER CONNECTION 8. THE PROPERTY IS ADJACENT TO MD-4/PENNSYLVANIA AVENUE WHICH IS CLASSIFIED AS A FREEWAY PHASED WORKSHEET 9. THIS PLAN IS GRANDFATHERED UNDER CB-27-2010, SECTION 25-117(g) Woodland Conservation Worksheet for Prince George's County, Maryland 10. THE USE OF FEE-IN-LIEU TO MEET THE OFF-SITE WOODLAND CONSERVATION REQUIREMENT WAS APPROVED include acreages only in columns BY THE DISTRICT COUNCIL. for which there is a corresponding zone. Previously Dedicated Land: 11. IMPACTS TO SPECIMEN TREES SHALL BE AVOIDED FOR THE IMLEMENTATION OF STREAM RESTORATION TO Net Tract (NTA): Property Description or Subdivision Name: Is this site subject to the 1989 Ordinance? Break-even Point (preservation acres) = TREE PRESERVATION AND RETENTION NOTES: ARMSTRONG LANE a. ALL WOODLANDS DESIGNATED ON THIS PLAN FOR PRESERVATION ARE THE RESPONSIBILITY OF TH PROPERTY OWNER. THE WOODLAND AREAS SHALL REMAIN IN A NATURAL STATE. THIS INCLUDES THE Existing Woodland in Floodplain (acres CANOPY TREES AND UNDERSTORY VEGETATION. A REVISED TREE CONSERVATION PLAN IS REQUIRED Woodland Conservation Threshold (NTA) = PRIOR TO CLEARING WOODLAND AREAS THAT ARE NOT SPECIFICALLY IDENTIFIED TO BE CLEARED ON Smaller of a or c Woodland above WCT Plan Number: (This must be completed for each phase) b. TREE AND WOODLAND CONSERVATION METHODS SUCH AS ROOT PRUNING SHALL BE CONDUCTED AS Plan Phase or Name: Total area in this application (acres) Floodplain area in this application (acres) : THE LOCATION OF ALL TEMPORARY TREE PROTECTION FENCING (TPFS) SHOWN ON THIS PLAN SHALL BE Net Tract area in the application (acres) FLAGGED OR STAKED IN THE FIELD PRIOR TO THE PRE-CONSTRUCTION MEETING. UPON APPROVAL OF THE Woodland on the Net Tract for this phase (acres) Woodland in the Floodplain for this phase LOCATIONS BY THE COUNTY INSPECTOR, INSTALLATION OF THE TPFS MAY BEGIN. Woodland Cleared on Net Tract for this phase Woodland Cleared in Floodplain for this phase d. ALL TEMPORARY TREE PROTECTION FENCING REQUIRED BY THIS PLAN SHALL BE INSTALLED PRIOR TO Off-site Woodland Clearing (1:1) COMMENCEMENT OF CLEARING AND GRADING OF THE SITE AND SHALL REMAIN IN PLACE UNTIL THE BOND IS Off-site Mitigation provided on this property cummulative acres of Net Tract Woodland cleared RELEASED FOR THE PROJECT. FAILURE TO INSTALL AND MAINTAIN TEMPORARY OR PERMANENT TREE PROTECTIVE PROPERTY BOUNDARY cummulative acres of Floodplain woodland cleared EXISTING CONTOUR Woodland Clearing below WC e. WOODLAND PRESERVATION AREAS SHALL BE POSTED WITH SIGNAGE AS SHOWN ON THE PLANS AT THE SAME Replacement for cleaning above the WCT (0.25:1) PROPOSED CONTOUR TIME AS THE TEMPORARY TPF INSTALLATION, THESE SIGNS MUST REMAIN IN PERPETUITY. Replacement for clearing below the WCT (2:1 Afforestation Threshold (AFT) = Cumulative Woodland Conservation Require f. THE DEVELOPER AND/OR BUILDER IS RESPONSIBLE FOR THE COMPLETE PRESERVATION OF ALL FORESTED STREAM BUFFER AREAS SHOWN ON THE APPROVED PLAN TO REMAIN UNDISTURBED, ONLY TREES OR PARTS THEREOF Woodland Conservation Provided DESIGNATED BY THE COUNTY AS DEAD, DYING, OR HAZARDOUS MAY BE REMOVED Preservation Afforestation g. A TREE IS CONSIDERED HAZARDOUS IF A CONDITION IS PRESENT WHICH LEADS A CERTIFIED ARBORIST OR Area approved for fee-in-lieu LICENSED TREE EXPERT TO BELIEVE THAT THE TREE OR A PORTION OF THE TREE HAS A POTENTIAL TO FALL Fee-in-lieu amount AND STRIKE A STRUCTURE, PARKING AREA, OR OTHER HIGH USE AREA AND RESULT IN PERSONAL INJURY OR Credit for Off-site Mitigation on another property PROPERTY DAMAGE. Off-site Mitigation provided on this property Total Woodland Conservation Provided h. DURING THE INITIAL STAGES OF CLEARING AND GRADING, IF HAZARDOUS TREES ARE PRESENT, OR TREES ARE LIMIT OF DISTURBANCE Existing Net Tract Woodland in later phases PRESENT THAT ARE NOT HAZARDOUS BUT ARE LEANING INTO THE DISTURBED AREA, THE PERMITEE SHALL REMOVE SAID TREES USING A CHAIN SAW. CORRECTIVE MEASURES REQUIRING THE REMOVAL OF THE NOISE CONTOUR HAZARDOUS TREE OR PORTIONS THEREOF SHALL REQUIRE AUTHORIZATION BY THE COUNTY INSPECTOR. ONLY mymymymymymym EXISTING TREELINE AFTER APPROVAL BY THE INSPECTOR MAY THE TREE BE CUT BY CHAINSAW TO NEAR THE EXISTING GROUND LEVEL. THE STUMP SHALL NOT BE REMOVED OR COVERED WITH SOIL, MULCH OR OTHER MATERIALS THAT FOREST STAND BOUNDARY ------SPECIMEN TREE WITH CRITICAL ROOT ZONE I. IF A TREE OR TREES BECOME HAZARDOUS PRIOR TO BOND RELEASE FOR THE PROJECT, DUE TO STORM EVENTS OR OTHER SITUATIONS NOT RESULTING FROM AN ACTION BY THE PERMITEE, PRIOR TO REMOVAL, A CERTIFIED ARBORIST OR A LICENSED TREE EXPERT MUST CERTIFY THAT THE TREE OR THE PORTION OF THE TREE IN QUESTION HAS A POTENTIAL TO FALL AND STRIKE A STRUCTURE, PARKING AREA, OR OTHER HIGH USE AREA AND MAY RESULT IN PERSONAL INJURY OR PROPERTY DAMAGE. IF A TREE OR PORTIONS THEREOF ARE IN IMMINENT ROUGH GRADING & INFRASTRUCTURE WORKSHEET DANGER OF STRIKING A STRUCTURE, PARKING AREA, OR OTHER HIGH USE AREA AND MAY RESULT IN PERSONAL SPECIMEN TREE TO BE REMOVED INJURY OR PROPERTY DAMAGE THEN THE CERTIFICATION IS NOT REQUIRED AND THE PERMITEE SHALL TAKE Woodland Conservation Worksheet for Prince George's County, Maryland CORRECTIVE ACTION IMMEDIATELY. THE CONDITION OF THE AREA SHALL BE FULLY DOCUMENTED THROUGH PHOTOGRAPHS PRIOR TO CORRECTIVE ACTION BEING TAKEN. THE PHOTOS SHALL BE SUBMITTED TO THE FIELD LOCATED TREE Include acreages only in columns INSPECTOR FOR DOCUMENTATION OF THE DAMAGE. IF CORRECTIVE PRUNING MAY ALLEVIATE A HAZARDOUS CONDITION, THE CERTIFIED ARBORIST OR A LICENSED Previously Dedicated Land: CLEARED OFF-SITE AREA TREE EXPERT MAY PROCEED WITHOUT FURTHER AUTHORIZATION. THE PRUNING MUST BE DONE IN Net Tract (NTA): ACCORDANCE WITH THE LATEST EDITION OF THE APPROPRIATE ANSI A-300 PRUNING STANDARDS. THE Property Description or Subdivision Name: CONDITION OF THE AREA SHALL BE FULLY DOCUMENTED THROUGH PHOTOGRAPHS PRIOR TO CORRECTIVE ACTION Is this site subject to the 1989 Ordinance? BEING TAKEN. THE PHOTOS SHALL BE SUBMITTED TO THE INSPECTOR FOR DOCUMENTATION OF THE DAMAGE. WOODLAND PRESERVATION AREA Break-even Point (preservation acres) = DEBRIS FROM THE TREE REMOVAL OR PRUNING THAT OCCURS WITHIN 35 FEET OF THE WOODLAND EDGE MAY Acres of Net Tract clearing permitted w/o refore 270.31 BE REMOVED AND PROPERLY DISPOSED OF BY RECYCLING, CHIPPING OR OTHER ACCEPTABLE METHODS. ALL Woodland Conservation Requirement Calculations DEBRIS THAT IS MORE THAN 35 FEET FROM THE WOODLAND EDGE SHALL BE CUT UP TO ALLOW CONTACT WITH Existing Woodland on Net Tract (acres) WOODLAND PRESERVED - NOT CREDITED THE GROUND, THUS ENCOURAGING DECOMPOSITION. THE SMALLER MATERIALS SHALL BE PLACED INTO Existing Woodland in Floodplain (acres) Woodland Conservation Threshold (NTA) = BRUSH PILES THAT WILL SERVE AS WILDLIFE HABITAT. Smaller of a or c TREE WORK TO BE COMPLETED WITHIN A ROAD RIGHT-OF-WAY REQUIRES A PERMIT FROM THE MARYLAND Woodland above WCT DEPARTMENT OF NATURAL RESOURCES UNLESS THE TREE REMOVAL IS SHOWN WITHIN THE APPROVED LIMITS Plan Number: (This must be completed for each phase) WOODLAND REFORESTATION/AFFORESTATION OF DISTURBANCE ON A TCP2. THE WORK IS REQUIRED TO BE CONDUCTED BY A LICENSED TREE EXPERT. Plan Phase of Name: Total area in this application (acres) Floodplain area in this application (acres) J. WORK ON THIS PROJECT WILL BE INITIATED IN SEVERAL PHASES. ALL TEMPORARY TPFs REQUIRED FOR A GIVEN Net Tract area in the application (acres) WOODLAND CLEARED-WITHIN FLOODPLAIN PHASE SHALL BE INSTALLED PRIOR TO ANY DISTURBANCE WITHIN THAT PHASE OF WORK. Woodland on the Net Tract for this phase (acres) Woodland in the Floodplain for this phase Woodland Cleared on Net Tract for this phase ROTECTION DEVICES Woodland Cleared in Floodplain for this phase TREE PRESERVATION NOTES: 8 Red Maple Acer rebram 4 Construction 37 Poor - Decay, top damage, bolow 9 Yellow Poplar Liriodendron tulipifera 39 Poor - Decay, top damage, bolow 10 Black Chorry Franus serotha 37 Fair Top damage, bolow 11 Yellow Poplar Liriodendron tulipifera 33 Poor - Decay, top damage 12 Yellow Poplar Liriodendron tulipifera 39 Poor - Decay, hollow, top damage 13 Yellow Poplar Liriodendron tulipifera 36 Pair - Top damage 14 Yellow Poplar Liriodendron tulipifera 44 Fair Top damage, decay, fork 15 Yellow Poplar Liriodendron tulipifera 44 Fair Top damage, decay, fork Off-site Woodland Clearing (1:1) WOODLAND PRESERVATION SIGN SPECIMEN TREES THAT ARE WITHIN THE LIMITS OF DISTURBANCE THAT ARE RATED IN GOOD OR EXCELLENT Off-site Mitigation provided on this property Cummulative acres of Net Tract Woodland cleared CONDITION, AND OBTAIN LESS THAN 30% IMPACT TO CRITICAL ROOT ZONE (CRZ) WILL REQUIRE TREE Cummulative acres of Floodplain woodland cleared PRESERVATION MEASURES PRIOR TO THE COMMENCEMENT OF CONSTRUCTION ACTIVITIES, DURING SPECIMEN TREE PROTECTION SIGN CONSTRUCTION ACTIVITIES, AND FOR UP TO FIVE YEARS AFTER CONSTRUCTION ACTIVITIES. Woodland Cleaning below WCT Replacement for clearing above the WCT (0.25:1) Replacement for clearing below the WCT (2:1) TREE PRESERVATION AND PROTECTION MEASURES WILL BE SPECIFIC TO EACH TREE BASED ON TREE SPECIES, TYPE 1-BLAZE ORANGE FENCING ____ X ____ X ____ X CONDITION, LOCATION, AND AMOUNT OF IMPACT TO CRZ. PRESERVATION MAY INCLUDE ROOT PRUNING, Cumulative Woodland Conservation Required CROWN CLEARING AND PRUNING, FERTILIZATION, VERTICAL MULCHING, AERATION, WATERING, CONTROL OF TYPE 3-EARTH DIKE COMBINATION Woodland Conservation Provided: INSECTS, AND SCHEDULED REGULAR INSPECTION VISITS BY AN ISA CERTIFIED ARBORIST OR MARYLAND Preservation LICENSED TREE EXPERT. TREE PROTECTION MEASURES MAY INCLUDE INSTALLATION OF TREE PROTECTION Reforestation FENCING WHICH INCLUDES ALL CRZ AREA TO BE PRESERVED WITHIN THE LOD, INSTALLATION OF TEMPORARY TYPE 4-SILT FENCE COMBINATION 2 Red Maple Acer rubrum 33 Poor - Decay, disback, top d 3 Sycamore Platanus occidentalis 35 Good 4 Red Maple Acer rubrum 34 Poor - Decay, top damage 5 Yellow Poplar Liriodendron rulipifera 31 Good 4 Yellow Poplar Liriodendron tulipifera 36 Fak - Decay (roos), top damage SAVE 3 Sweetgum Liquidambar styraciflua 34 Good Good Southern Red Oak Quercus falcata 34 Good Good, top damage SAVE 17 Yellow Poplar Liriodendron tulipifera 44 Poor - Decay, dieback, fork, top damage SAVE 28 While Oak Quercus falcata 31 Good SAVE 29 Southern Red Oak Quercus falcata 32 Good SAVE 30 Yellow Poplar Liriodendron tulipifera 43 Poor - Decay, deback, top damage SAVE 31 Southern Red Oak Quercus falcata 38 Fak - Decay, decline SAVE 32 Yellow Poplar Liriodendron tulipifera 36 Poor - Decay, decline SAVE 33 While Oak Quercus falcata 38 Fak - Decay, decline SAVE 34 Beech Fagus grandifolia 41 Good SAVE 35 History sp. Carya sp. 31 Fak - top damage SAV 36 Yellow Poplar Liriodendron tulipifera 30 Fak - top damage SAV 37 Yellow Poplar Liriodendron tulipifera 42 Poor - Decay, bollow, top damage SAV 38 Beech Fagus grandifolia 39 Fak - top damage SAV 39 Yellow Poplar Liriodendron tulipifera 42 Poor - Decay, bollow, top damage SAV 40 Southern Red Oak Quercus falcata 34 Good SAV 41 Yellow Poplar Liriodendron tulipifera 39 Poor - Decay, bollow, top damage SAV 42 Sypantore Patriatus socidentalii 39 Poor - Decay, bollow, top damage SAV 43 Yellow Poplar Liriodendron tulipifera 39 Poor - Decay, bollow, top damage SAV 41 Yellow Poplar Liriodendron tulipifera 39 Poor - Decay, bollow, top damage SAV 42 Sypantore Patriatus socidentalii 39 Poor - Decay, bollow, top damage SAV 43 Yellow Poplar Liriodendron tulipifera 32 Good SAV 44 Yellow Poplar Liriodendron tulipifera 32 Good SAV 45 Yellow Poplar Liriodendron tulipifera 32 Good SAV 46 Yellow Poplar Liriodendron tulipifera 32 Good SAV 47 Yellow Poplar Liriodendron tulipifera 32 Good SAV 48 Yellow Poplar Liriodendron tulipifera 32 Good SAV 49 Yellow Poplar Liriodendron tulipifera 32 Good SAV 40 Southern Red Oak Quercus falcata TSF-SF-LOD Afforestation ARMORING AROUND THE TRUNK OF THE TREE, INSTALLATION OF TEMPORARY OR PERMANENT RAISED Area approved for fee-in-lieu Credit for Off-site Mitigation on another property WALKWAYS, DRIVE AISLES, AERATION DEVICES, OR RETAINING WALLS. Off-site Mitigation provided on this property Lirkodendron tulipifera 37 Good Acer rubrum 31 Foot - Decay, hollow, fork, top damage Quercus palustris 36 Foor - Decay, hollow, fork PRINCE GEORGE'S COUNTY PLANNING DEPARTMENT Total Woodland Conservation Provided TECHNIQUES WILL BE APPLIED TO THOSE TREES THAT ARE WITHIN A REASONABLE RADIUS OF THE LIMITS OF ENVIRONMENTAL PLANNING SECTION Acer rubrum 35 Good Ulimus americana 36 Poor - Docsy, fork Liquidambar styractifua 35 Poor - Docsy, top damage Acer saccharinum 75 Poor - Docsy, top damage Acer saccharinum 46 Poor - Docsy, top damage Acer saccharinum 46 Poor - Docsy, bollow, fork, top damage Lightedandron pulitifura 33 Poor - Docsy, bollow, fork top damage Woodland saved on this phase but not counted DISTURBANCE AND THAT ARE EVALUATED AND FOUND WORTHY OR NEEDFUL OF THE ABOVE SUGGESTED Existing Net Tract Woodland in later phases PRESERVATION TECHNIQUES ABOVE. Requirement Status per Phase TREE CONSERVATION PLAN TCPII 029 - 12 -POST DEVELOPMENT NOTES A. IF THE DEVELOPER OR BUILDER NO LONGER HAS AN INTEREST IN THE PROPERTY AND THE NEW OWNER DESIRES TO REMOVE A HAZARDOUS TREE OR PORTION THEREOF, THE NEW OWNER SHALL OBTAIN A WRITTEN STATEMENT FROM A CERTIFIED ARBORIST OR LICENSED TREE EXPERT IDENTIFYING THE HAZARDOUS CONDITION AND THE PROPOSED CORRECTIVE MEASURES PRIOR TO HAVING THE WORK CONDUCTED. AFTER PROPER DOCUMENTATION HAS BEEN COMPLETED PER THE HANDOUT "GUIDANCE FOR PRINCE GEORGE'S COUNTY PROPERTY OWNERS, PRESERVATION OF WOODLAND CONSERVATION AREAS", THE ARBORIST OR TREE EXPERT MAY THEN REMOVE THE TREE. THE STUMP SHALL 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. PPROVED BY THIS WORKSHEET WAS APPROVED WITH THE ORIGINAL AND THE -01 REVISION TO THIS PLAN FOR MEGAN K. REISER 01/31/1 ROUGH GRADING AND INFRASTRUCTURE. SEE THE PHASED WORKSHEET FOR THE REQUIREMENTS MEGAN K. REISER 09/23/1 MEGAN K. REISER 3/25/13 IF A TREE OR PORTIONS THEREOF ARE IN IMMINENT DANGER OF STRIKING A STRUCTURE, PARKING AREA, OR MEGAN K. REISER OTHER HIGH USE AREA AND MAY RESULT IN PERSONAL INJURY OR PROPERTY DAMAGE THEN THE CERTIFICATION IS NOT REQUIRED AND THE PERMITEE SHALL TAKE CORRECTIVE ACTION IMMEDIATELY. THE CONDITION OF THE AREA SHALL BE FULLY DOCUMENTED THROUGH PHOTOGRAPHS PRIOR TO CORRECTIVE ACTION BEING TAKEN. THE PHOTOS SHALL BE SUBMITTED TO THE INSPECTOR FOR DOCUMENTATION OF THE Magar K Peisar 19/22/14 04 REVISION M-NCPPC APPROVALS REE WORK TO BE COMPLETED WITHIN A ROAD RIGHT-OF-WAY REQUIRES A PERMIT FROM THE MARYLAND DEPARTMENT OF NATURAL RESOURCES UNLESS THE TREE REMOVAL IS SHOWN WITHIN THE APPROVED LIMITS OF DISTURBANCE ON A TCP2. THE WORK IS REQUIRED TO BE CONDUCTED BY A LICENSED TREE EXPERT. PROJECT NAME: WESTPHALIA CENTER PHASE I B. THE REMOVAL OF NOXIOUS, INVASIVE, AND NON-NATIVE PLANT SPECIES FROM ANY WOODLAND PRESERVATION AREA SHALL BE DONE WITH THE USE OF HAND-HELD EQUIPMENT ONLY (PRUNERS OR A CHAIN SAW). THESE PLANTS MAY BE CUT NEAR THE GROUND AND 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. PROJECT NUMBER: DSP-13006 THE CLEARING OF FOREST ASSOCIATED WITH STREAM RESTORATION HAS LEN ACCOUNTED FOR IN THE TOPII WORKSHEET. NOT ALL AREAS REQUIRE CLEAR CUTTING THE SURROUNDING FOREST ASSOCIATED WITH THE INSTALLATION OF EACH STREAM RESTORATION DEVICE. LIVE STAKES WILL BE PLANTED IN ACCORDANCE TO THE APPROVED DPIE, MDE, AND ARMY CORPS OF ENGINEERS STREAM RESTORATION PLAN PER SHEET 14 OF 14 DETAIL #4 "LIVE STAKING" PER THE APPROPRIATE SPACING AT THE TIME THE STREAM RESTORATION IS CONDUCTED. MDE AND THE ARMY CORPS OF ENGINEERS WILL MONITOR AND INSPECT ALL ACTIVITIES RELATED TO THE STREAM RESTORATION TO VERIFY THAT ALL RESTORATION AND PLANTING HAS BEEN DONE IN COMPLIANCE WITH ALL ISSUED FOR CONDITIONS OF APPROVAL SEE SITE PLAN COVER SHEET OR APPROVAL SHEET REVISED LISTED BELOW APPLY TO THIS SHEET REVIEWER'S There are slight differences between the site statistics of TCPI/014/08-01 and Detailed Site Plan 12017 and its associated TCPII. These C. THE USE OF BROADCAST SPRAYING OF HERBICIDES IS NOT PERMITTED. HOWEVER, THE USE OF HERBICIDES TO DISCOURAGE RE-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. REVISION # DATE 38 Poor - Decay, top damage INITIALS DATE Red Maple Hor Acer rubrum differences are directly related to the site acreage discrepancies between the two sets of plans. TCPI/014/08-01 takes into account two Red Mapie Acer rubrum Red Mapie Acer rubrum Red Mapie Acer rubrum properties that are not included in the DSP because they are not owned by Walton Development & Management (USA), Inc.. These two properties have been legally deeded. The first is identified as part of Lot 1 as recorded in Plat Book NLP 128 P. 70 (L. 31412 F. 146). DSP-12017 45 Poor - Decay, top damage, fork 10/18/12 **EPS** | 138 | Yellow Poplar | Liriodendron pulipifera | 32 | Good | SAVE | | 139 | Yellow Poplar | Liriodendron pulipifera | 36 | Good | SAVE | | 140 | Yellow Poplar | Liriodendron pulipifera | 34 | Poor - Deexy, bollow, top damage | SAVE | | 141 | Sycamore | Platanus occidentalis | 37 | Pair - Deexy | Save | | 142 | Silver Maple | Acer saccharinum | 41 | Poor - Deexy, hollow, top damage | SAVE | | 143 | Silver Maple | Acer saccharinum | 37 | Poor - Deexy, hollow, top damage | SAVE | | 144 | Black Locust | Robinta pseudo-acacia | 42 | Poor - Deexy, hollow, top damage | SAVE | | 145 | Silver Maple | Acer saccharinum | 44 | Poor - Deexy, hollow, top damage | SAVE | | 146 | Silver Maple | Acer saccharinum | 44 | Poor - Deexy, hollow, top damage | SAVE | | 147 | Silver Maple | Acer saccharinum | 31 | Poor - Deexy, hollow, top damage | SAVE | | 148 | Silver Maple | Acer saccharinum | 31 | Poor - Deexy, hollow, top damage | SAVE | | 149 | Silver Maple | Acer saccharinum | 31 | Poor - Deexy, hollow, top damage | SAVE | | 150 | Black gum | Nyssa sylvatica | 31 | Poor - Deexy, dieback, fork | SAVE | | 151 | Silver Maple | Acer saccharinum | 39 | Fair - Dieback, fork | SAVE | | 152 | Rad Maple | Acer saccharinum | 44 | Poor - Deexy, dieback, top damage | SAVE | | 153 | Yellow Poplar | Liriodendron tulipifera | 35 | Pair - Top damage | SAVE | | 154 | Tellow Poplar | Liriodendron tulipifera | 35 | Pair - Top damage | SAVE | | 155 | Xellow Poplar | Liriodendron tulipifera | 47 | Poor - Deexy, hollow, top damage | SAVE | | 156 | Silver Hamilton | Liriodendron tulipifera | 47 | Poor - Deexy, hollow, top damage | SAVE | | 156 | Silver Hamilton | Liriodendron tulipifera | 47 | Poor - Deexy, hollow, top damage | SAVE | | 156 | Silver Hamilton | Liriodendron tulipifera | 47 | Poor - Deexy, hollow, top damage | SAVE | | 157 | Silver Hamilton | Liriodendron tulipifera | 47 | Poor - Deexy, hollow, top damage | SAVE | | 158 | Silver Maple | Poor - Deexy, hollow, top damage | SAVE | | 159 | Silver Maple | Poor - Deexy, hollow, top damage | 70 Red Mapie Acer rubrum 37 Foor - Decay, hollow, fork REMOVE 71 Red Mapie Acer rubrum 37 Foor - Decay, hollow, fork REMOVE 72 Beech 18 Fogus grandifolia 37 Foor - Decay, hollow, fork REMOVE 73 Yellow Folial? Littodendron milipifera 39 Fair - top damage REMOVE 74 Yellow Folial? Littodendron milipifera 32 Foor - Decay, hollow, top damage REMOVE 75 Yellow Folial? Littodendron milipifera 39 Poor - Decay, hollow, top damage REMOVE 76 Yellow Folial? Littodendron milipifera 38 Good REMOVE 77 Yellow Folial? Littodendron milipifera 38 Foor - Decay, hollow, top damage REMOVE 78 Red Mapie Acer rubrum 38 Foor - Decay, top damage REMOVE 79 Rad Mapie Acer rubrum 30 Foor - Decay, top damage REMOVE 80 Yellow Folial? Littodendron milipifera 32 Poor - Decay, top damage, fork REMOVE 81 Beech Folial Littodendron milipifera 32 Foor - Decay 82 Sycamore Lightdandron milipifera 35 Fair - Decay REMOVE 83 Red Mapie Acer rubrum 36 Foor - Decay, top damage, fork REMOVE 84 Red Mapie Acer rubrum 36 Poor - Decay, top damage, fork REMOVE 85 Red Mapie Acer rubrum 36 Poor - Decay, top damage, fork SAVE 86 Yellow Foplial Acer rubrum 36 Poor - Decay, top damage, fork SAVE 87 Yellow Foplial Littodendron milipifera 39 Poor - Decay, top damage, fork SAVE 88 Yellow Foplial Littodendron milipifera 30 Poor - Decay, top damage, fork SAVE 88 Yellow Foplial Littodendron milipifera 30 Poor - Decay, top damage, fork SAVE 89 Yellow Foplial Littodendron milipifera 30 Poor - Decay, top damage, fork SAVE 90 Yellow Foplial Littodendron milipifera 30 Poor - Decay, top damage, fork SAVE The second is identified as part of Lot 7 as recorded in Plat Book REP 209 PG. 31 (L. 31654 F. 068). Their acreages add up to approximately 4.09 acres of land area. Thus, the TCPI has a "Gross Tract" area of 4.09 acres greater to that of the DSP/TCP2. Of this land area, approximately 2.38 acres are forested. Therefore the TCP1 has "Existing Woodland on Net Tract" area 2.38 acres greater D. 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 INDIVIDUAL HOMEOWNERS A. REFORESTATION FENCING AND SIGNAGE SHALL REMAIN IN PLACE IN ACCORDANCE WITH THE APPROVED TYPE 2 TREE CONSERVATION PLAN. B. REFORESTATION AREAS SHALL NOT BE MOWED; HOWEVER, THE MANAGEMENT OF COMPETING VEGETATION AND REMOVAL OF NOXIOUS, INVASIVE, AND NON-NATIVE VEGETATION AROUND INDIVIDUAL TREES IS NOTE: LOTTING PATTERN SHOWN HEREON IS FOR INFORMATIONAL PURPOSES ONLY TREE CONSERVATION PLAN TYPE II PERMITTED USE NUMBER 21001200 ONE INCH MISS UTILITY NOTE OWNER/DEVELOPER/APPLICAN TREE CONSERVATION TYPE II Lanham BCG 8/5/2014 TIMOTHY HARTMAN DAVIS Waldorf WALTON WESTPHALIA DEVELOPMENT (USA), LLC. C/O WALTON DEVELOPMENT & MANAGEMENT (USA), INC. 5 REVISED FOR DSP 13006 CERTIFICATION DJB 1 C3, D3-4,E3-4,F Leonardtowi WAS OBTAINED FROM AVAILABLE RECORDS. THE CONTRACTOR WESTPHALIA TOWN CENTER 4 REVISED LOD TO RELECT CURRENT DESIGN MUST DETERMINE THE EXACT LOCATION AND ELEVATION OF AL 11800 SUNRISE VALLEY DRIVE, SUITE 300 EXISTING UTILITIES AND UTILITY CROSSINGS BY DIGGING TEST REVISED LOD & PRESER/CLEARING AREA ASSOC. W/ THE CHANGE. REMOVED ADDITIONAL SEPCIMEN TREES PITS BY HAND, WELL IN ADVANCE OF THE START OF EXCAVATION RESTON, VIRGINIA 20191 206 SE 08, 206 SE 207 SE 08, 207 SE REVISED TO MEET MNCPPC COMMENTS DATED 01/17/2013 CONTACT "MISS UTILITY" AT 1-800-257-7777, 48 HOURS PRIOR T THE START OF EXCAVATION. IF CLEARANCES ARE LESS THAN 4300 Forbes Boulevard, Suite 230 MOBILE: 540-532-2158 SHOWN ON THIS PLAN OR TWELVE (12) INCHES, WHICHEVER IS ESS CONTACT THE ENGINEER AND THE UTILITY COMPANY FAX: 888-913-8686 Engineering Lanham, MD 20706 CONTACT : MELANIE B. GRAF, P.E. Planning THAN NOTED MAY REQUIRE REVISIONS TO THIS PLAN. PROJECT NO. P. 301.794.7555 F. 301.794.7656 www.solteszco.com MELWOOD (15th) ELECTION DISTRICT, PRINCE GEORGE'S COUNTY, MARYLAND Environmental Sciences CHECKED: THD 19270300 P:\19270300\ENGINEER\ENV\TCPII_01.sht Scale= 500.0000 ft / in. User= bgillette PLTdrv= Color.pltcfg Pentbl= TEXT_SUB.tbl 10/8/2014 9:22:45 AN





2. PLACE SEEDLING ALONG STRAIGHT SIDE AT CORRCT CEPTH '. INSERT MATTOCK: LIFT HANDLE -AND PULL FILL IN AND PACT SOIL 1

SEEDLING AND WHIPS NEED SPECIAL CARE WHEN PLANTED. FIGURE 3.6.5 DETAILS THE RECOMMENDED MANUAL PLANTING PROCEDURES WHICH INCLUDE CORRECT PLANTING DEPTHS (B) AS WELL AS METHODS FOR TWO DIFFERENT PLANTING TOOLS: THE DIBBLE (A) AND THE MATTOCK (C).

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

5. DEVICE SHOULD BE PROPERLY MAINTAINED DURING CONSTRUCTION 6. PROTECTIVE SIGNAGE IS ALSO REQUIRED.

3. BOUNDARIES OF RETENTION AREA SHOULD BE STAKED AND FLAGGED PRIOR TO INSTALLING DEVICES.
4. AVOID ROOT DAMAGE WHEN PLACING ANCHOR POSTS.

TEMPORARY FENCE PROTECTION DETAIL

FOR WOODLAND PRESERVATION AREAS

TYPE 4
SILT FENCE & TREE PROTECTION

FENCE WIRE

OURCE: CITY OF GAITHERSBURG, MD: CITY TREE MANUAL AND THE MD DNR FOREST CONSERVATION MANUAL 1991 TYPE 1 (TEMPORARY) TREE PROTECTION FENCE DETAIL FOR WOODLAND PRESERVATION AREAS. Pruning a Branch BLAZE ORANGE PLASTIC MESH BARK BRANCH RIDGE BARK BRANCH RIDGE -DRIP LINE * CONIFERS FOR LIVING OR DEAD BRANCH HARDWOODS LIVING BRANCH 1. Remove branch weight by undercutting at A and remove limb by cutting through at AB. 2. Remove stub at CD (line between branch bark ridge and outer edge of branch collar). 3. if D is difficult to find on hardwoods, angle of CD to trunk should be the reflective angle. of the bark branch ridge to the trunk. 5. Remove no more than 30% of crown at one time. Pruning a Leader to Reduce Size LATERAL BRANCH * IN CERTAIN CIRCUMSTANCES FENCING MAY BE PERMITTED TO BE LOCATED AT THE DRIPLINE 1. Remove top weight by undercutting at A and remove limb by cutting through AB. 2. Remove stub at EF parallel to the bark branch ridge. 3. Only prune at specified times. 4. No more than 30% of crown to be removed at one time. 5. Diameter of lateral branch should be no less than 30% of the diameter of the leader. NOTES: (MUST BE INCLUDED WITH DETAIL) Source: Fairfax County, Virginia: Vegetation Preservation & Planting, January 1988

FIGURE J-1

ROOT PRUNING
NOT TO SCALE

CRITICAL ROOT ZONE

3. EXACT LOCATION OF TRENCH SHOULD BE IDENTIFIED.

TRENCHING

EQUIPMENT

1. RETENTION AREA WILL BE SET AS PART OF THE REVIEW PROCESS

2. BOUNDARIES OF RETENTION AREA SHOULD BE STAKED AND FLAGGED PRIOR TO

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

5. ROOTS SHOULD BE CLEANLY CUT USING VIBRATORY KNIFE OR OTHER ACCEPTABLE

Tree Pruning

TREE PROTECTION FENCE

FENCE WITHIN 1 FOOT

OF TRENCH LINE

____1' BACK OF LIMIT OF

6" MAXIMUM DEPTH

DISTURBANCE LINE

MINIMUM DEPTH

ADDITIONAL TREE PROTECTION FOR SPECIMEN TREE #60

Tree Protection & Maintenance Recommendations

rior to construction IN THIS SEQUENCE:

Evaluate tree for disease or pest infestation; treat accordingly. Prune trees per pruning recommendations. A close visual examination for tree pests shall be conducted by the climbing arborist

as he/she completes pruning procedures. If a serious infestation is present which was not apparent from n ground observation then pesticide application should be considered at that time. install tree preservation fencing per Prince Georges County standard detail Grade changes outside the retaining structures shall be such that drainage water of any type or source is not diverted toward

or around the root crown in any manner. Grade shall drain away from root crown at a minimum of 2 percent, if grading toward the root crown is required, appropriate surface and/or subsurface drain facilities shall be installed so that water is effectively diverted away from the root crown area. Remove trees, bushes and weeds that are designated to be removed to reduce competition for water.

Root Prune along TPZ fence line: Roots measuring greater than or equal to 1 inch diameter encountered along the TPZ fence line must be cut with sharp tools such as Sawzall, concrete saw, or professional loppers or pruning shears to cleanly cut roots at right angles to their growth directions under direct supervision or monitoring from an Arborist. The tearing of roots by equipment of any type line shall

Provide a trunk buffer per detail provided. TRUNK BUFFER: Provide all trees being retained with a trunk buffer between zero and +/- 8 feet above grade, or the height of the lowest scaffold branches (see spec image):

Wrap the lower trunk of the tree with at least 20 layers of orange plastic snow fencing so that a buffer of plastic 2- inches thick is created over the trunk between grade and at least 6 to 8-feet above grade Stand 2X4X8-ft boards vertically, side by side, to create a solid wall of wood around the entire circumference of each tree. A second person must hold this wood in place so that step iii can be performed

While one person holds the wood, a second person continues wrapping orange plastic snow fencing over the boards to secure

the buffer in place. Wrap duct tape or rope over the outside during step iii only, in order to secure the materials. Alternatively, use UV resistant zip ties.

Irrigate as required to maintain soil moisture; evaluate weekly.

Continue to monitor tree for insect infestation or disease. HOSE SPRAY: Periodically (e.g. 1x/month) spray off the entire canopies of trees being retained, using a strong hose with pressure gun. The hose spray should be directed such that it hits both the upper sides and lower sides of foliage. It is important to wash construction dust off leaf stomata which are gas portals on the undersides of the foliage that allow for gas exchange to occur. Cleaning off the upper sides of the foliage will clear the chlorophyll-laden areas of the leaves of dust, optimizing photosynthesis

Post Construction IN THIS SEQUENCE: Remove Trunk Buffer protection

During Construction:

Fertilization is generally not recommended unless a specific nutrient deficiency symptom is visible. Following completion of construction activities, a determination of tree health shall be conducted to visually evaluate tree performance and to recommend fertilization or mitigation if it is required based on the appearance of each individual tree.

Vertical mulch entire CRZ of tree using an Air Spade on a 36" grid pattern, Holes are backfilled with a mixture of Leaf Grow. Vertical Mulch and Mycor Provide 34 clean hardwood bark mulch edge of drip line

Continue irrigation, as required for 24 months

Continue insect infestation or disease treatment, if required for 24 months

Remove Tree protection fencing after 24 months

Pruning Recommendations Canopy Pruning Recommendations

The removal of dead wood, damaged branches, structurally unsound wood, narrow crotches, and crossing branches is required. Co-dominant leaders or lateral branches that overhang targets shall be removed, pruned to retard growth, or cabled whenever necessary as determined by the project arborist. The removal of significant live wood is discouraged at all times. Pruning shall be as minimal as possible, removing dead or damaged branches, crossing or rubbing branches, or correcting other structural

deficiencies which may be present. Minimal pruning is recommended. The following techniques shall be used during all pruning procedures:

All laterals shall be removed immediately beyond the branch bark ridge, always preserving the branch collar.

No stub cuts should be made which leave an inch or more beyond the branch collar. No flush cuts through the branch collar shall occur

SPECIMEN TREE

PROTECTION SIGN

NOT TO SCALE

SPECIMEN

TREE

DO NOT REMOVE

OR STORAGE OF

ANY MATERIALS

VIOLATORS ARE SUBJECT TO

MARYLAND FOREST

CONSERVATION ACT OF

FINES IMPOSED BY THE

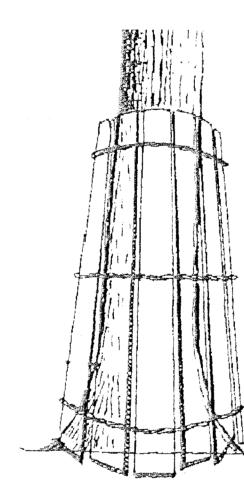
PROHIBITED

MIN 15"

All branches too large to be hand held shall be removed by means of the triple cut: undercutting the branch four to eight iniches beyond its base, removing the branch beyond the undercut, and removing the remaining stub using a shoulder cut.

Thinning: Cut back terminal portions of branches by cutting back to laterals with a basal diameter 1/3 the size of the terminal being re moved. Removal of many smaller terminals is preferred over removal of a few large ones. 2. Size reduction: Remove portions of the crown for reducing height by removing terminals back to laterals. Each lateral remaining should be

located to serve as a new terminal. This will establish the crown at a lower level. The diameter at the base of a remaining lateral should be 1/3 the diameter of the terminal being removed.



Provide all trees being retained with a trunk buffer between zero and +/- 8 feet above grade, or the height of the lowest scaffold branches (see spec

REFORESTATION MANAGEMENT NOTES

INSTRUCTIONS. NEED FOR SUBSEQUENT VEGETATION CONTROL WILL BE EVALUATED

DURING SURVIVAL CHECKS AND APPLIED ON AN AS-NEEDED BASIS. ALL CHEMICALS

AND APPLICATION PROCEDURES TO MEET ALL APPLICABLE LAWS

LIST FOR SPECIES AND QUANTITY INFORMATION.

PLANTING SHALL BE HEELED-IN AND WELL WATERED.

PAID TO THE OWNER, AT THE OWNERS OPTION.

TREE LOSSES BEYOND THE THREE (3) YEARS AFTER PLANNING

TO THE PLANTING CONTRACTOR BY THE OWNER OR HIS AGENT

METER BREAST HEIGHT.

1. HERBACEOUS VEGETATION WILL BE CONTROLLED BY THE APPLICATION OF A PRE-EMER-GENT HERBICIDE BEFORE TREE PLANTING IN A MANNER CONSISTENT WITH THE LABEL

2. SEEDLINGS WILL BE PLANTED IN OPEN AREAS AND AMONG EXISTING TREES IF EXISTING

SEEDLINGS SHALL BE PLANTED USING A RANDOM DISTRIBUTION OF SPECIES AND LOCA

TREES ARE PRESENT, AVOIDING DAMAGE TO LARGE TREE ROOTS. NO SEEDLING SHALL

BE PLANTED CLOSER THAN 10-FEET TO ANY EXISTING TREE 7-INCHES OR MORE IN DIA-

TIONS AT AN AVERAGE OF 1,000 SEEDLINGS PER ACRE (AVERAGE SPACING OF 6-FEET X

PLANTING AND SHALL COME FROM LOCAL SOURCES. SPECIFICATION TO BE PROVIDED

FREEZING, OR DAMAGE BY EXCESSIVE HEAT. TREES HELD OVER ONE (1) WEEK BEFORE

CONDITIONS WILL NOT BE IN EXTREME EXCESS OF TREE TOLERANCES FOR SURVIVAL

DURING HANDLING AND PLANTING, INCLUDING SITE DRAINAGE AND SOIL CONDITIONS

PLANTED SHALL BE REPLACED WITH NEW TREES OF THE SAME SIZE, TYPE, AND OTHER

ERLY PLANTED, THE ENTIRE STAND MAY BE REQUIRED TO BE REPLACED WITH NEW

7-FEET OR 5-FEET X 8-FEET). SEE PLANTING DETAIL FOR PROPER TECHNIQUE AND PLANT

4. SEEDLINGS SHALL BE GRADED FOR QUALITY, ESPECIALLY THE ROOT SYSTEM, BEFORE

SEEDLINGS WILL BE STORED AND HANDLED TO PREVENT DRYING OF THE ROOT SYSTEM.

6. ALL TREE PLANTING SHALL BE ON A 'WEATHER PERMITTING' BASIS, MEANING WEATHER

ANY TREE SHOWN BY INSPECTION WITHIN 30 DAYS OF PLANTING TO BE IMPROPERLY

SPECIFICATIONS PROPERLY PLANTED. IF 20% OR MORE OF THE SEEDLINGS ARE IMPROP-

TREES PROPERLY PLANTED OR THE TOTAL COST OF THE TREES AND THE PLANTING RE-

SON MUST BE GUARANTEED BY THE TREE PLANTING CONTRACTOR. THE CONTRACTOR

WILL NOT BE LIABLE FOR TREE LOSSES DUE TO CONDITIONS BEYOND HIS CONTROL OR

SURVIVAL OF AT LEAST 75% OF THE EEDLINGS AT THE END OF THE THIRD GROWING SEA-

PLANTS TO BE WATERED NCE PER WEEK DURING PERIODS OF LOW RAINFALL (LESS

i) Wrap the lower trunk of the tree with at least 20 layers of orange plastic snow fencing so that a buffer of plastic 2- inches thick is created over the trunk between grade and at least 6 to 8-feet above grade

ii) Stand 2X4X8-ft boards vertically. side by side, to create a solid wall of wood around the entire circumference of each tree. A second person must hold this wood in place so that step iii can be performed

> EASTERN REDBU WITCH HAZEL TAL PROVIDED

SHA AFFORESTATION / REFORESTATION TYPICAL DETAIL NOT TO SCALE MINOR TREES DOGWOOD REDBUD, & WITCH HAZEL ARE "CLEAR ZONE-CZ" PLAN ND MAY BE CLOSER THAN 30FT) TYPICAL PLANTING LEGEND RED OAK WICTH HAZEL PLANT LIST/RATIO FOR SEEDLING TUBES TOTAL PER MANUAL TOTAL THIS PLAN REFORESTATION AREA PROVIDED 3.89 ACRE NUMBER/ACRE NUMBER/ACRE 125 SEEDLING TUBE SWEET GUM 125 SEEDLING TUBE 487 100 SEEDLING TUBE 389 50 SEEDLING TUBE DOGWOOD 194 50 SEEDLING TUBE 50 SEEDLING TUBE

EDGE MANAGEMENT NOTES

FITTING THIS CLASSIFICATION:

OF RESIDENCES.

ENGLISHIVY PERIWINKLE WESTERIA

POISON IVY GREENBRIER BLACKBERRY

1. ALL NON-NATIVE, NOXIOUS OR INVASIVE SPECIES MAY BE SELECTIVELY CLEARED FROM TREE SAVE AREAS BY CUTTING AT GROUND LEVEL WITH A SAW OR CLIPPERS AND THEN

IMMEDIATELY APPLYING A HERBICIDE TO THE CUT SURFACE IN ACCORDANCE WITH THE

METHOD APPROVED FOR THAT REGISTERED HERIBICIDE. BELOW IS A LIST OF SPECIES

GARLIC MUSTARD TALL FESCUE K31 FESCUE SERICEA LESPEDEZA

CLIMBING EUONYMUS WINTERCREEPER JAPANESEHONEYSUCKLE KUDZU

IN ADDITION THE FOLLOWING NATIVE SPECIES MAY BE CLEARED WITHIN 75 FEET OF AN

EDGE DUE TO THE NUISANCE NATURE OF THE PLANTS WHEN GROWING IN THE PROXIMITY

2. ALL HAZARDOUS TREES WITHIN 75 FEET OF AN EDGE MAY BE PRUNED BY A PROFESSION-

AL ARBORIST OR A LICENSED TREE EXPERT IN ORDER TO CORRECT THE POTENTIAL PRO-

BLEM. IN THE EVENT THE PROBLEM CANNOT BE CORRECTED BY PRUNING, THE TREE MAY

BE REMOVED. A TREE IS CONSIDERED HAZARDOUS IF THERE IS A POTENTIAL FOR PROP-

ERTY DAMAGE OR THE POSSIBILITY OF PERSONAL INJURY. A 50 FOOT TALL TREE THAT IS

75 FEET FROM AN EDGE AND 120 FEET FROM A TARGET IS NOT A HAZARDOUS TREE. A

HAZARDOUS TREE MUST EXHIBIT CHARACTERISTICS THAT WOULD LEAD TO THE FAILURE

OF ONE OR MORE PARTS OF THE TREE WHICH WOULD THEN IMPACT THE TARGET AREA.

3. IF TREE REMOVALS REDUCE THE STOCKING LEVELS BELOW 65 SQUARE FEET OF BASAL

AREA PER ACRE THE PROPERTY OWNER SHALL REPLANT TREES IN THE DISTURBED AREA

4. TREES MAY BE PRUNED IN ACCORDANCE WITH APPROVED ARBORICULTURAL STANDARDS.

IN ORDER TO RETURN THE STOCK LEVELS TO 65 SQUARE FEET OF BASAL AREA WITHIN

PRUNING SHALL NOT BE DONE IN SUCH A MANNER AS TO BE INJURIOUS TO THE TREE.

ER SHALL BE DONE BY A PROFESSIONAL ARBORISTS OR A LICENSED TREE EXPERT.

5. TILLING THE SOILS IN THE FOREST CONSERVATION AREAS IN ORDER TO SEED WITH

THE STATE OF MARYLAND REQUIRES THAT PRUNING NOT DONE BY THE PROPERTY OWN-

GRASSES IS NOT PERMITTED. HOWEVER, THE PROPERTY OWNER MAY SOW WITH SHADE

TOLERANT GRASSES WITHIN 30 FEET OF AN EDGE. THE USE OF KENTUCKY 31 FESCUE IS

COMMON REED JAPANESE KNOTWEED MILE-A-MINUTE VINE

LESSER CELANDINE PORCELINE BERRY CINNAMON VINE

WINGED EUONYMUS PRIVET BUSH HONEYSUCKLES

MULTIFLORA ROSE WINEBERRY JAPANESE SPIRAFA

WHITE MULBERRY EMPRESS TREE SWEET CHERRY

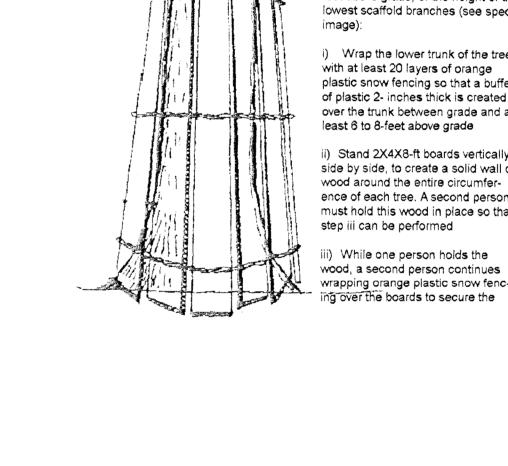
CORALBERRY NORWAY MAPLE TREE OF HEAVEN

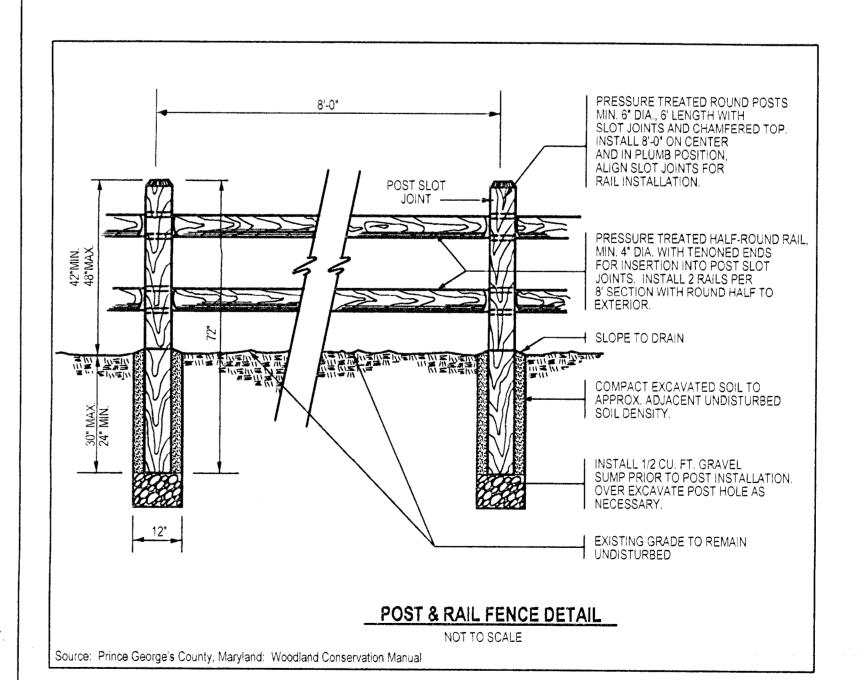
JAPANESE BARBERRY RUSSIAN OLIVE AUTUMN OLIVE

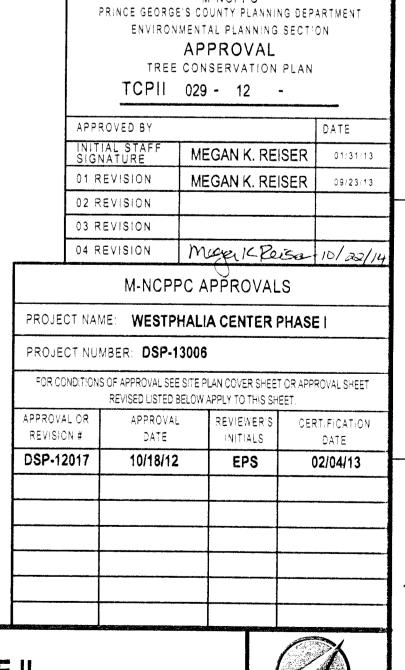
BAMBOO COMMON BUCKTHORN EUROPEAN BUCKTHORN

DNTAINER GROWN SEEDLINGS TUBES PER ACRE REQUIRED PER ACRE OF REFORESTATION/AFFORESTATION TO FULFILL PLANTING REQUIREMENTS. NO PLANTING IN GRID PATTERN. 0' SPACING & 75 % SURVIVABILITY REQUIREMENT

500 SEEDLINGS







6' STEEL "T-BAR" STAKE AT ROOT ZONE OF TREES DRIVEN INTO GROUND OR YELLOW PINE POST !IN SILT FENCE (SEE NOTES) NOTES: LOCATE SIGNS APPROXIMATELY EVERY 50 FEET ALONG FENCING 7. SIGNS SHOULD BE IN PLACE IMMEDIATELY FOLLOWING STAKE OUT OF L.O.D., AND REMAIN IN PLACE IN PERPETUITY.

RETENTION AREA ---- 2' £DRANGE STREAMERS MACHINERY, DUMPING OR STORAGE OF ANY MATERIALS IS PROHIBITED FINES AS IMPOSTED BY THE MARYLAND FOREST CONSERVATION ACT OF WITH NAILS OR TACKS TO WOODEN POSTS ATTACHMENT OF SIGNS TO TREES IS PROHIBITED. SIGNS SHOULD BE PROPERLY MAINTAINED. B. AVOID INJUY TO ROOTS WHEN PLACING POSTS FOR THE SIGNS. SIGNS SHOULD BE POSTED TO BE VISIBLE TO ALL CONSTRUCTION PERSONNEL FROM ALL DIRECTIONS. 5. SIGNS SHOULD BE INSTALLED AT SAME TIME AS TREE PROTECTION

PRESERVATION

PROTECTION SIGN

NOT TO SCALE

REFORESTATION AREA MACHINERY, DUMPING OR STORAGE OF ANY MATERIALS IS PROHIBITED VIOLATORS ARE SUBJECT TO FINES AS IMPOSTED BY THE MARYLAND FOREST CONSERVATION ACT OF WITH NAILS OR TACKS T WOODEN POSTS NOTES: SIGNS SHOULD BE PROPERLY MAINTAINED. ERSONNEL FROM ALL DIRECTIONS.

REFORESTATION

PROTECTION SIGN

NOT TO SCALE

3. AVOID INJUY TO ROOTS WHEN PLACING POSTS FOR THE SIGNS. I. SIGNS SHOULD BE POSTED TO BE VISIBLE TO ALL CONSTRUCTIO S. SIGNS SHOULD BE INSTALLED AT SAME TIME AS TREE PROTECTION

BOTTOM OF SIGNS TO BE HIGHER THAN TOP OF TREE PROTECTION FENCE. SIGNS TO BE PLACED APPROXIMATELY 50' APART. CONDITIONS ON SITE AFFECTING VISIBILITY MAY WARRANT PLACING SIGNS CLOSER OR FARTHER APART. 3. ATTACHMENT OF SIGNS TO TREES IS PROHIBITED. . LOCATE SIGNS APPROXIMATELY EVERY 50 FEET ALONG FENCING '. SIGNS SHOULD BE IN PLACE IMMEDIATELY FOLLOWING STAKE OUT

SOURCE: PRINCE GEORGE'S COUNTY, MARYLAND: WOODLAND CONSERVATION MANUAL

TOTAL THIS PLAN

NUMBER/ACRE

MINIMUM

Engineering

Environmental Sciences

Planning

LANHAM OFFICE 4300 Forbes Boulevard, Suite 230 Lanham, MD 20706 P. 301.794.7555 F. 301.794.7656

Lanham Waldorf REVISED FOR DSP 13006 CERTIFICATION Leonardtown REVISED LOD TO RELECT CURRENT DESIGN REVISED LOD & PRESER/CLEARING AREA ASSOC. W/ THE CHANGE. REMOVED ADDITIONAL SEPCIMEN TREES REVISED TO MEET MNCPPC COMMENTS DATED 01/17/2013 REVISED TO MEET DSP-12017 RESOLUTION COMMENTS www.solteszco.com ECHNICIAN: GAM

1. Silt fence to be heeled into the soil.

2. Wire, snow fence, etc. for tree protection only.

Avoid root damage when placing anchor posts.

8. Locate fence outside the Critical Root Zone.

Source: Adapted from Steve Clark & Associates/ ACRT, Inc.

7. Protection signs are also required, see Figure C-4.

Device should be properly maintained throughout construction.

2. Boundaries of Retention Area will be established as part of the forest conservation plan review

4. Boundaries of Retention Area should be staked and flagged prior to installing device.

MISS UTILITY NOTE /AS OBTAINED FROM AVAILABLE RECORDS. THE CONTRACTOR MUST DETERMINE THE EXACT LOCATION AND ELEVATION OF A (ISTING UTILITIES AND UTILITY CROSSINGS BY DIGGING TES ITS BY HAND, WELL IN ADVANCE OF THE START OF EXCAVATION ONTACT "MISS UTILITY" AT 1-800-257-7777, 48 HOURS PRIOR TO HE START OF EXCAVATION. IF CLEARANCES ARE LESS THAN

OWNER/DEVELOPER/APPLICANT WALTON WESTPHALIA DEVELOPMENT (USA). I C/O WALTON DEVELOPMENT & MANAGEMENT (USA), INC. 11800 SUNRISE VALLEY DRIVE, SUITE 300

MOBILE: 540-532-2158 FAX: 888-913-8686

OF L.O.D., AND REMAIN IN PLACE IN PERPETUITY.

PERMITTED USE NUMBER 21001200

90 GRID

C3, D3-4,E3-4,

TIMOTHY HARTMAN DAVIS

TREE CONSERVATION PLAN TYPE II

TREE CONSERVATION TYPE II WESTPHALIA TOWN CENTER

1* = __N/A HEET ____ 19270300

MELWOOD (15th) ELECTION DISTRICT, PRINCE GEORGE'S COUNTY, MARYLAND

06 SE 08, 206 SE 207 SE 08, 207 SE HOWN ON THIS PLAN OR TWELVE (12) INCHES, WHICHEVER IS SS, CONTACT THE ENGINEER AND THE UTILITY COMPANY FORE PROCEEDING WITH CONSTRUCTION. CLEARANCES LES CONTACT: MELANIE B. GRAF, P.E. HAN NOTED MAY REQUIRE REVISIONS TO THIS PLAN. CHECKED: THD

DJB 08/06/20

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