

TREE CONSERVATION PLAN TYPE II WESTPHALIA TOWN CENTER

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

GENERAL NOTES

1. THIS PLAN IS SUBMITTED TO FULFILL THE WOODLAND CONSERVATION REQUIREMENTS FOR DSP-12017. IF DSP-12017 EXPIRES, THEN THIS TPC2 ALSO EXPIRES AND IS NO LONGER VALID.
2. 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 \$5.00 PER SQUARE FOOT VIOLATION FEE.
3. A PRE-CONSTRUCTION MEETING IS REQUIRED PRIOR TO THE ISSUANCE OF GRADING PERMITS. THE DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION OR THE DEPARTMENT OF ENVIRONMENTAL RESOURCES, AS APPROPRIATE, SHALL BE CONTACTED PRIOR TO THE START OF ANY WORK ON THE SITE TO CONDUCT A PRE-CONSTRUCTION MEETING WHERE IMPLEMENTATION OF WOODLAND CONSERVATION MEASURES SHOWN ON THIS PLAN WILL BE DISCUSSED IN DETAIL.
4. THE DEVELOPER OR BUILDER OF THE LOTS OR PARCELS SHOWN ON THIS PLAN SHALL NOTIFY FUTURE BUYERS OF ANY WOODLAND CONSERVATION AREAS THROUGH THE PROVISION OF A COPY OF THIS PLAN AT TIME OF CONTRACT SIGNING. FUTURE PROPERTY OWNERS ARE ALSO SUBJECT TO THIS REQUIREMENT.
5. THE OWNERS OF THE PROPERTY SUBJECT TO THIS TREE CONSERVATION PLAN ARE SOLELY RESPONSIBLE FOR CONFORMANCE TO THE REQUIREMENTS CONTAINED HEREIN.
6. THE PROPERTY IS WITHIN THE DEVELOPING TIER AND IS ZONED M-X-T.
7. THE SITE IS ADJACENT TO PENNSYLVANIA AVENUE (MD ROUTE 4) WHICH IS DESIGNATED AS SCENIC AND SCENIC BYWAY CONNECTOR AND MELWOOD ROAD WHICH IS DESIGNATED AS AN HISTORIC ROAD.
8. THE PROPERTY IS ADJACENT TO MD-4 PENNSYLVANIA AVENUE WHICH IS CLASSIFIED AS A FREEWAY.
9. THIS PLAN IS GRANDFATHERED UNDER CS-27-2010, SECTION 29-117(g).

TREE PRESERVATION AND RETENTION NOTES:

- a. ALL WOODLANDS DESIGNATED ON THIS PLAN FOR PRESERVATION ARE THE RESPONSIBILITY OF THE PROPERTY OWNER. THE WOODLAND AREAS SHALL REMAIN IN A NATURAL STATE. THIS INCLUDES THE CANOPY TREES AND UNDERSTORY VEGETATION. A REVISION TO THE TREE CONSERVATION PLAN IS REQUIRED PRIOR TO CLEARING WOODLAND AREAS THAT ARE NOT SPECIFICALLY IDENTIFIED TO BE CLEARED ON THE APPROVED TPC2.
- b. TREE AND WOODLAND CONSERVATION METHODS SUCH AS ROOT PRUNING SHALL BE CONDUCTED AS NOTED ON THIS PLAN.
- c. THE LOCATION OF ALL TEMPORARY TREE PROTECTION FENCING (TPF) SHOWN ON THIS PLAN SHALL BE PLACED OR INSTALLED IN THE FIELD PRIOR TO THE PRE-CONSTRUCTION MEETING. UPON APPROVAL OF THE LOCATION BY THE COUNTY INSPECTOR, INSTALLATION OF THE TPF MAY BEGIN.
- d. ALL TEMPORARY TREE PROTECTION FENCING REQUIRED BY THIS PLAN SHALL BE INSTALLED PRIOR TO COMMENCEMENT OF CLEARING AND GRADING OF THE SITE AND SHALL REMAIN IN PLACE UNTIL THE BOND IS RELEASED FOR THE PROJECT. FAILURE TO INSTALL AND MAINTAIN TEMPORARY OR PERMANENT TREE PROTECTIVE DEVICES IS A VIOLATION OF THIS TPC2.
- e. WOODLAND PRESERVATION AREAS SHALL BE POSTED WITH SIGNAGE AS SHOWN ON THE PLANS AT THE SAME TIME AS THE TEMPORARY TPF INSTALLATION. THESE SIGNS MUST REMAIN IN PLACE UNTIL THE PROJECT IS COMPLETED.

- f. 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 COUNTY AS DEAD, DYING, OR HAZARDOUS MAY BE REMOVED.
- g. A TREE IS CONSIDERED HAZARDOUS IF A CONDITION IS PRESENT WHICH LEADS A CERTIFIED ARBORIST OR 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.

- h. DURING THE INITIAL STAGES OF CLEARING AND GRADING, IF HAZARDOUS TREES ARE PRESENT, OR TREES ARE PRESENT THAT ARE NOT HAZARDOUS BUT ARE LEANING INTO THE DISTURBED AREA, THE PERMITTEE SHALL REMOVE SAID TREES USING A CHAIN SAW. CORRECTIVE MEASURES REQUIRING THE REMOVAL OF THE HAZARDOUS TREE OR PORTIONS THEREOF SHALL REQUIRE AUTHORIZATION BY THE COUNTY INSPECTOR. ONLY 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 WOULD INHIBIT GERMINATION.

- 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 PERMITTEE, 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 IMMEDIATE DANGER OF STRIKING A STRUCTURE, PARKING AREA, OR OTHER HIGH USE AREA AND MAY RESULT IN PERSONAL INJURY OR PROPERTY DAMAGE, THEN THE CERTIFICATION IS NOT REQUIRED AND THE PERMITTEE 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 DAMAGE. IF CORRECTIVE PRUNING MAY ALLEVIATE A HAZARDOUS CONDITION, THE CERTIFIED ARBORIST OR A LICENSED TREE EXPERT MAY PROCEED WITHOUT FURTHER AUTHORIZATION. THE PRUNING MUST BE DONE IN ACCORDANCE WITH THE LATEST EDITION OF THE APPROPRIATE ANSI A300 PRUNING STANDARDS. 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 DAMAGE. DEBRIS FROM THE TREE REMOVAL OR PRUNING THAT OCCURS WITHIN 5 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 5 FEET FROM THE WOODLAND EDGE SHALL BE CUT UP TO ALLOW CONTACT WITH THE GROUND. THIS ENCOURAGING DECOMPOSITION. THE SMALLER MATERIALS SHALL BE PLACED INTO BRUSH PILLS THAT WILL SERVE AS WILDLIFE HABITAT. TREE 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 TPC2. THE WORK IS REQUIRED TO BE CONDUCTED BY A LICENSED TREE EXPERT.

- j. WORK ON THIS PROJECT WILL BE INITIATED IN SEVERAL PHASES. ALL TEMPORARY TPF REQUIRED FOR A GIVEN PHASE SHALL BE INSTALLED PRIOR TO ANY DISTURBANCE WITHIN THAT PHASE OF WORK.

- k. TREE PRESERVATION NOTES:
SPECIMEN TREES THAT ARE WITHIN THE LIMITS OF DISTURBANCE THAT ARE RATED IN GOOD OR EXCELLENT CONDITION AND ARE NOT IMPACT TO CRITICAL ROOT ZONE (CRZ) WILL REQUIRE TREE PRESERVATION MEASURES PRIOR TO THE COMMENCEMENT OF CONSTRUCTION ACTIVITIES. DURING CONSTRUCTION ACTIVITIES, AND FOR UP TO FIVE YEARS AFTER CONSTRUCTION ACTIVITIES.

- l. TREE PRESERVATION AND PROTECTION MEASURES WILL BE SPECIFIC TO EACH TREE BASED ON TREE SPECIES, LOCATION, CONDITION, AND AMOUNT OF IMPACT TO CRZ. PRESERVATION MAY INCLUDE ROOT PRUNING, CROWN CLEANING AND PRUNING, FERTILIZATION, VERTICAL MAINTENANCE, AERATION, WATERING, CONTROL OF INSECTS, AND SCHEDULED REGULAR INSPECTION VISITS BY AN ISA CERTIFIED ARBORIST OR MARYLAND LICENSED TREE EXPERT. TREE PROTECTION MEASURES MAY INCLUDE INSTALLATION OF TREE PROTECTION FENCING WHICH INCLUDES ALL CRZ ARE TO BE PRESERVED WITHIN THE LOD. INSTALLATION OF TEMPORARY ANCHORS AROUND THE TRUNK OF THE TREE, INSTALLATION OF TEMPORARY OR PERMANENT RAISED WALKWAYS, DRIVE ALLEYS, AERATION DEVICES, OR RETAINING WALLS.

- m. TECHNIQUES WILL BE APPLIED TO THOSE TREES THAT ARE WITHIN A REASONABLE RADIUS OF THE LIMITS OF DISTURBANCE AND THAT ARE EVALUATED AND FOUND WORTHY OR NEEDFUL OF THE ABOVE SUGGESTED PRESERVATION TECHNIQUES ABOVE.

POST DEVELOPMENT NOTES

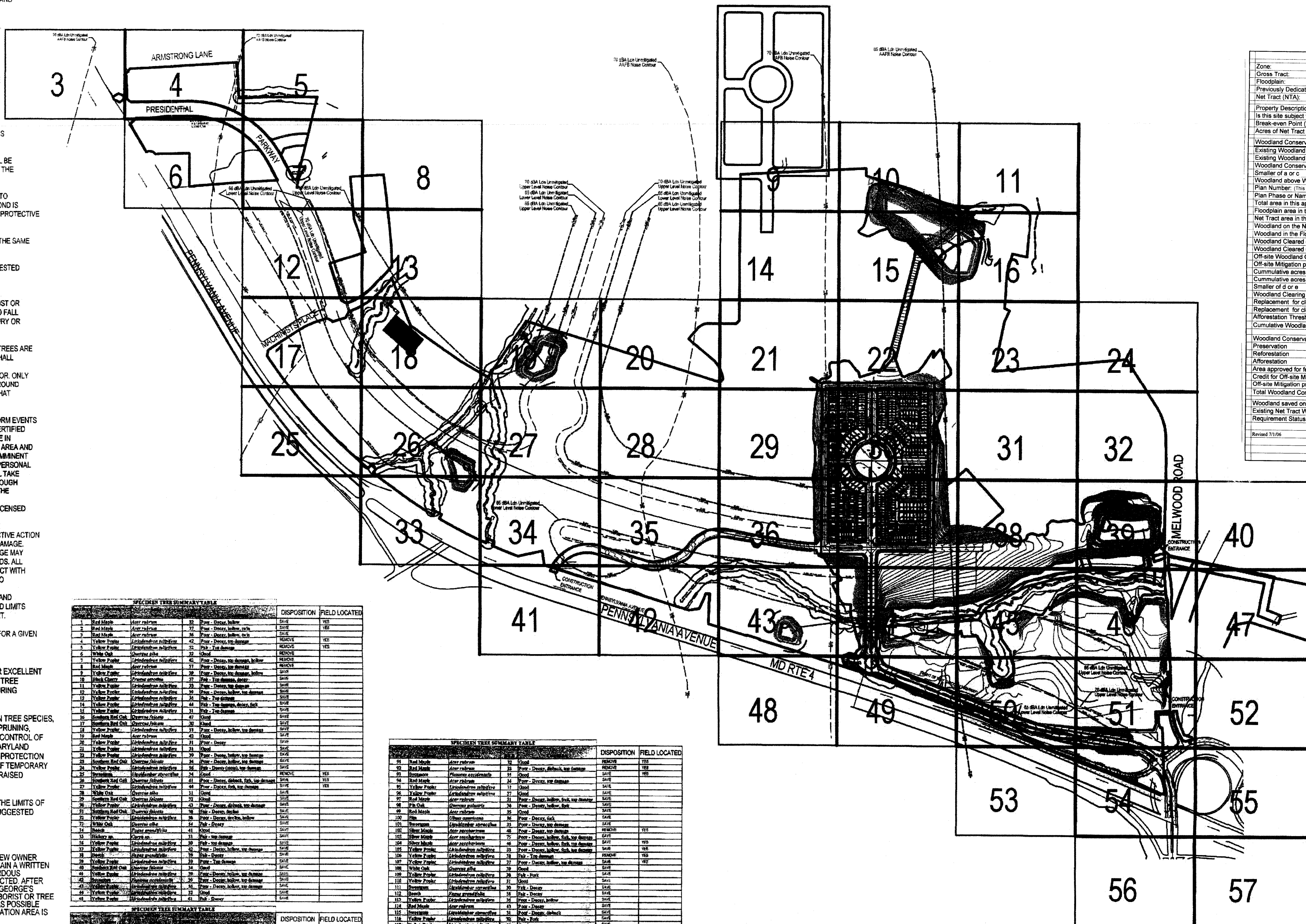
- a. IF THE DEVELOPER OR BUILDER NO LONGER HAS AN INTEREST IN THE PROPERTY AND THE NEW OWNER DESIRES TO REMOVE A HAZARDOUS TREE OR PORTION THEREOF, THE NEW OWNER SHALL OBTAIN A WRITTEN STATEMENT FROM A CERTIFIED ARBORIST OR LICENSED TREE EXPERT IDENTIFYING THE HAZARDOUS CONDITION AND THE PROPOSED CORRECTIVE MEASURES PRIOR TO HAVING THE WORK CONDUCTED. AFTER PROPER DOCUMENTATION HAS BEEN OBTAINED, THE TREE EXPERT SHALL OBTAIN A TREE REMOVAL PERMIT FROM THE COUNTY PROPERTY OWNERS, PRESERVATION OF WOODLAND AND CONSERVATION AREAS. THE ARBORIST OR TREE EXPERT MAY THEN REMOVE THE TREE. THE STUMP SHALL BE CUT AT OR CLOSE TO THE GROUND AND AS POSSIBLE AND LEFT IN PLACE FOR THE REMOVAL OR GRINDING OF THE STUMPS IN THE WOODLAND CONSERVATION AREA IS NOT PERMITTED.
- b. IF A TREE OR PORTIONS THEREOF ARE IN IMMEDIATE DANGER OF STRIKING A STRUCTURE, PARKING AREA, OR OTHER HIGH USE AREA AND MAY RESULT IN PERSONAL INJURY OR PROPERTY DAMAGE THEN THE CERTIFICATION IS NOT REQUIRED AND THE PERMITTEE 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 DAMAGE. TREE 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 TPC2. THE WORK IS REQUIRED TO BE CONDUCTED BY A LICENSED TREE EXPERT.
- c. 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 THE NOXIOUS, INVASIVE, AND NON-NATIVE PLANTS GREATER THAN TWO INCHES DIAMETER SHALL BE CUT TO ALLOW CONTACT WITH THE GROUND, THUS ENCOURAGING DECOMPOSITION.
- d. THE USE OF BROADCAST SPRAYING OF HERBICIDES IS NOT PERMITTED. HOWEVER, THE USE OF HERBICIDES TO DISCOURAGE RE-SPROUTING OF INVASIVE OR NON-NATIVE PLANTS IS PERMITTED. THE USE OF HERBICIDES AS AN APPLICATION OF THE CHEMICAL DIRECTLY TO THE CUT STUMP IMMEDIATELY FOLLOWING CUTTING OF PLANTS. THE USE OF ANY HERBICIDE SHALL BE DONE IN ACCORDANCE WITH THE LABEL INSTRUCTIONS.
- e. 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.
- f. 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 MOVED; HOWEVER, THE MANAGEMENT OF COMPETING VEGETATION AND REMOVAL OF NOXIOUS, INVASIVE, AND NON-NATIVE VEGETATION AROUND INDIVIDUAL TREES IS ACCEPTABLE.

- c. THE USE OF BROADCAST SPRAYING OF HERBICIDES IS NOT PERMITTED. HOWEVER, THE USE OF HERBICIDES TO DISCOURAGE RE-SPROUTING OF INVASIVE OR NON-NATIVE PLANTS IS PERMITTED. THE USE OF HERBICIDES AS AN APPLICATION OF THE CHEMICAL DIRECTLY TO THE CUT STUMP IMMEDIATELY FOLLOWING CUTTING OF PLANTS. THE USE OF ANY HERBICIDE SHALL BE DONE IN ACCORDANCE WITH THE LABEL INSTRUCTIONS.
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NOTE: PHASE 1 IS FOR INFRASTRUCTURE ONLY



FIELD LOCATED TREES			
LOT	TREE ID	DATE	STATUS
1	101	10/1/12	OK
1	102	10/1/12	OK
1	103	10/1/12	OK
1	104	10/1/12	OK
1	105	10/1/12	OK
1	106	10/1/12	OK
1	107	10/1/12	OK
1	108	10/1/12	OK
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1	200	10/1/12	OK

FIELD LOCATED TREES			
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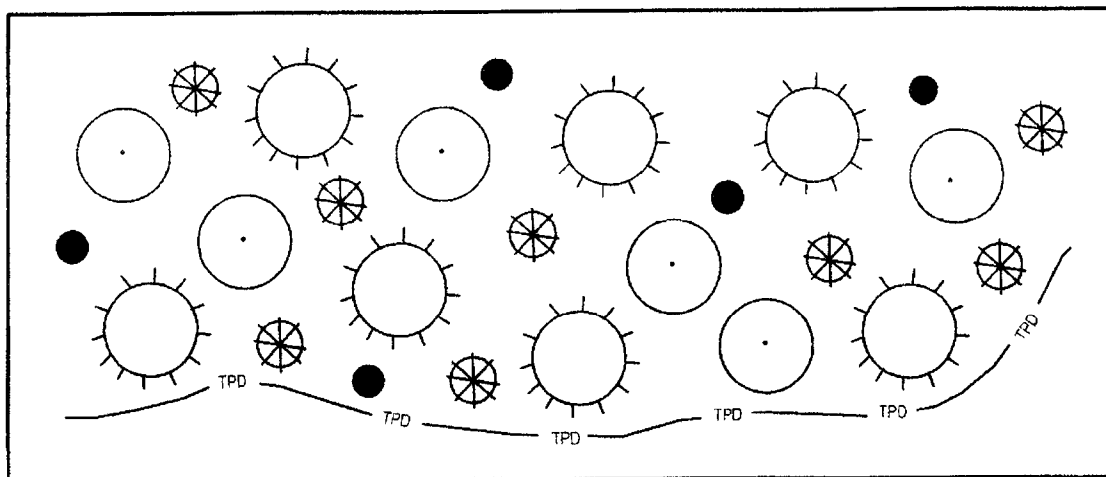
Resolution Item 1.1:
There are slight discrepancies between the site statistics of TPC101408-01 and Detailed Site Plan 12017 and its associated TPC11. These differences are directly related to the site area discrepancies between the two sets of plans. TPC101408-01 takes into account two properties that 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). The second is identified as part of Lot 7 as recorded in Plat Book REP 208 PG. 31 (L 31654 F. 086). Their acreages add up to approximately 4.09 acres of land area. Thus, the TPC11 has a "Gross Tree" area of 4.09 acres greater to that of the DSP/TPC2. Of this land area, approximately 2.36 acres are forested. Therefore the TPC11 has "Existing Woodland on Net Tract" area 2.36 acres greater than the DSP/TPC2.

NOTE: LOTTING PATTERN SHOWN HEREON IS FOR INFORMATIONAL PURPOSES ONLY.

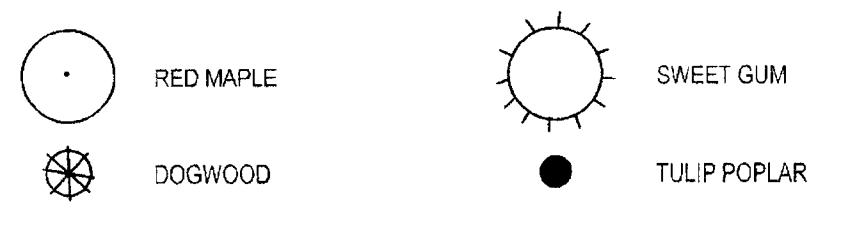
WESTPHALIA TOWN CENTER TPC11-029-12 APPROVAL TRACKING TABLE			
REVISION NUMBER	ASSOCIATED CASE & RESOLUTION NUMBER	DETAILED DESCRIPTION	AFFECTED PLAN SHEETS
INITIAL	DSP-12017 & RSCPB 12-99	PHASE 1 ROUGH GRADING AND INFRASTRUCTURE	ALL
-01	STAFF LEVEL	ADDITIONAL DISTURBANCE AND CLEARING IN PHASE 1 FOR THE STATE HIGHWAY PROJECT AT MD RTE 4 AND MELWOOD RD INTERCHANGE. THE INSTALLATION OF THE WATER AND SEWER LINES ALONG THE BACK BRANCH STREAM VALLEY INCLUDING THE OFF-SITE SEWER CONNECTION TO THE EAST AND FOR A REVISED OUTFALL DESIGN ASSOCIATED WITH POND 2.	1, 2, 38, 39, 40, 44, 45, 46, 47, 49, 50, 51, 53, & 54</

AFFORESTATION / REFORESTATION TYPICAL DETAIL

NOT TO SCALE



TYPICAL PLANTING LEGEND

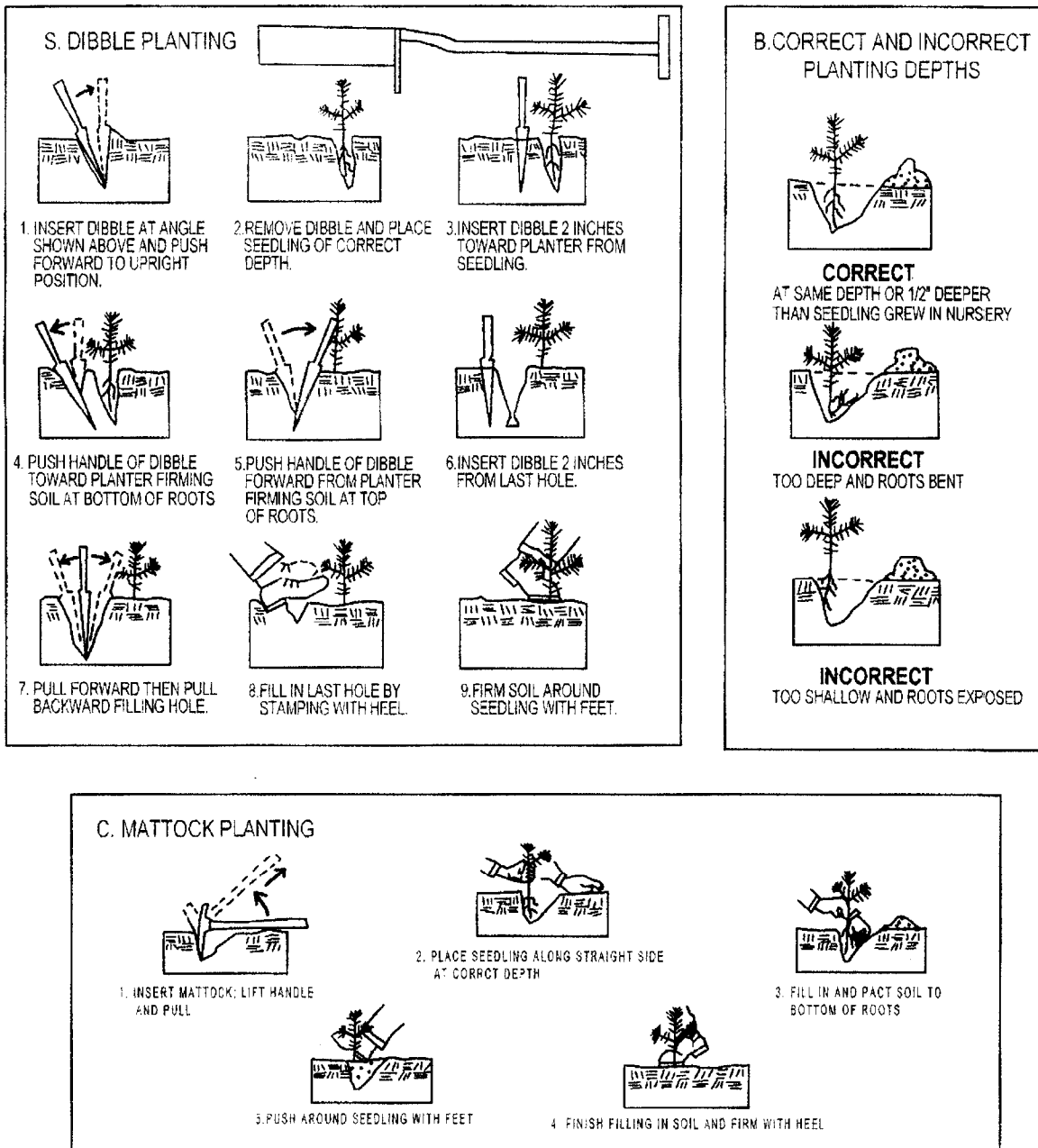


PLANT LIST/RATIO FOR SEEDLINGS

REFORESTATION AREA PROVIDED	TOTAL PER MANUAL	TOTAL THIS PLAN
SPECIES	NUMBER/ACRE	NUMBER/ACRE
RED MAPLE	330 SEEDLINGS	
TULIP POPULAR	330 SEEDLINGS	
SWEET GUM	230 SEEDLINGS	
DOGWOOD	110 SEEDLINGS	
TOTAL PROVIDED	1000 SEEDLINGS	

NOTES:
1000 SEEDLINGS REQUIRED PER ACRE OF REFORESTATION/AFFORESTATION
USE BARE ROOT WHIPS TO FULFILL PLANTING REQUIREMENTS

SEEDLING PLANTING METHODS

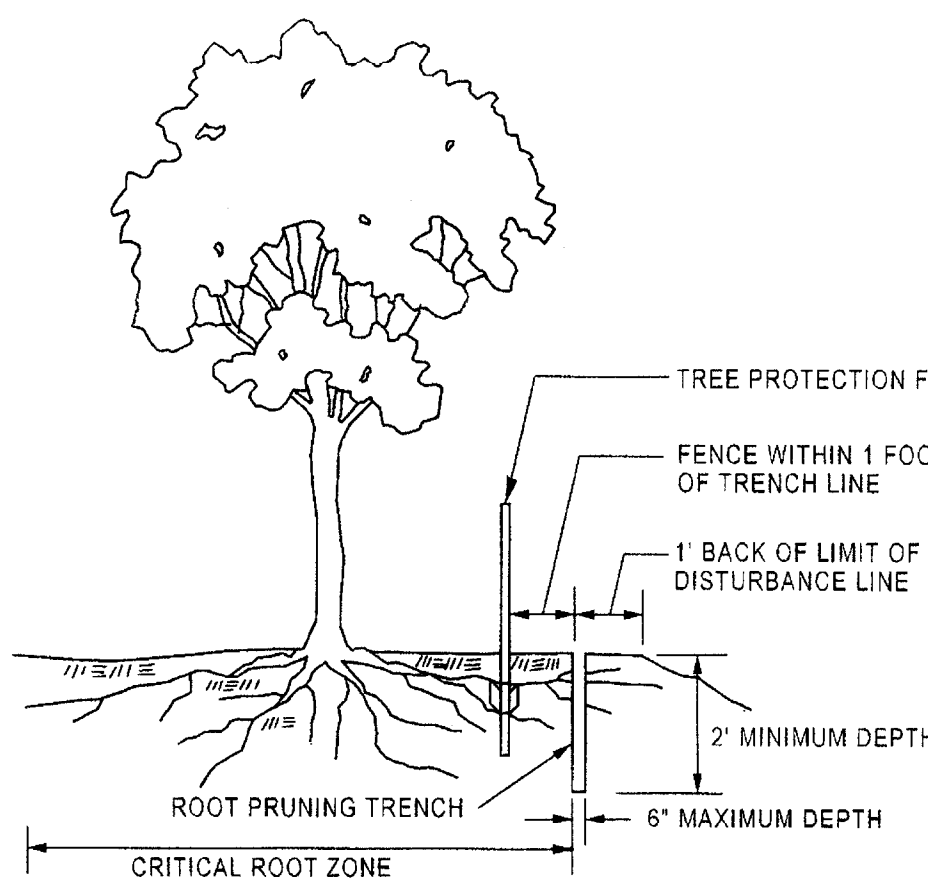


SEEDLING AND WHIPS NEED SPECIAL CARE WHEN PLANTED. FIGURE 3.6.5 DETAILS THE RECOMMENDED MANUAL PLANTING PROCEDURES WHICH INCLUDE CORRECT PLANTING DEPTHS (B) AS WELL AS METHODS FOR TWO DIFFERENT PLANTING TOOLS: THE DIBBLE (A) AND THE MATTOCK (C).

FIGURE 3-1

ROOT PRUNING

NOT TO SCALE



- NOTES:
- RETENTION AREA WILL BE SET AS PART OF THE REVIEW PROCESS
 - BOUNDARIES OF RETENTION AREA 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 HIGH ORGANIC SOIL
 - ROOTS SHOULD BE CLEANLY CUT USING VIBRATORY KNIFE OR OTHER ACCEPTABLE EQUIPMENT

SOURCE: CITY OF GAITHERSBURG, MD; CITY TREE MANUAL AND THE MD DNR FOREST CONSERVATION MANUAL 1991

ADDITIONAL TREE PROTECTION FOR SPECIMEN TREE #60

Tree Protection & Maintenance Recommendations

- 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 a 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 structure shall be such that drainage water of any type or source is not diverted toward or around the root crown in any manner. Slope 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.
- Root Pruning greater than or equal to 1 inch diameter encountered along the TPZ fence line must be cut with sharp tools such as Sawzall, chainsaw, or professional pruner 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 shall not be allowed.
- 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 8 to 10 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 ii 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 dust cap or rope over the outside during step ii only, in order to secure the materials. Alternatively, use UV resistant zip ties.
- During Construction:
- If gale as required to maintain soil moisture, evaluate weekly.
- Continue to monitor tree for insect infestation or disease.
- HOSE SPRAY: Periodically (e.g., 1 month) spray of 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:

- 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 30-gallon halfwood 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

- 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; otherwise 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:

Lateral branch removal:

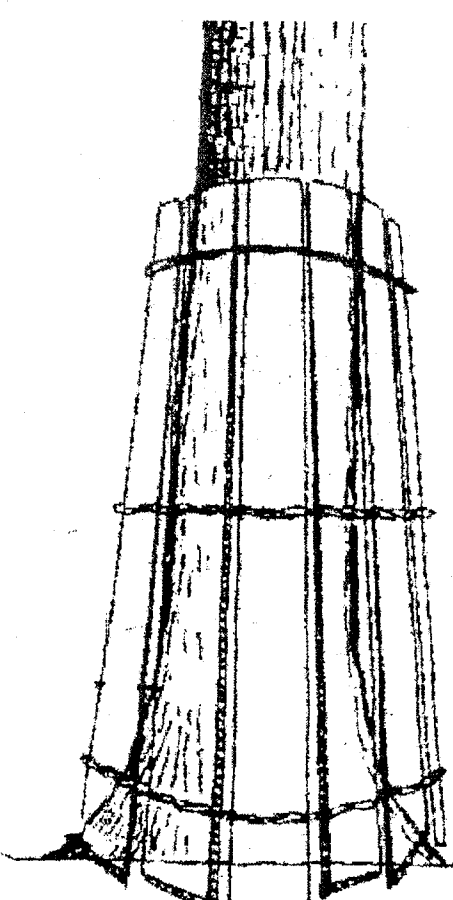
- All lateral shall be removed immediately beyond the branch bark ridge, always preserving the branch collar.
- No stub cut should be made which leaves an inch or more beyond the branch collar.
- No flush cuts through the branch collar shall occur.

Tip cut:

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

Terminal pruning:

- Thinning: Cut back terminal portions of branches by cutting back to laterals with a basal diameter 1/3 the size of the terminal being removed. Removal of many smaller terminals is preferred over removal of a few large ones.
- 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.

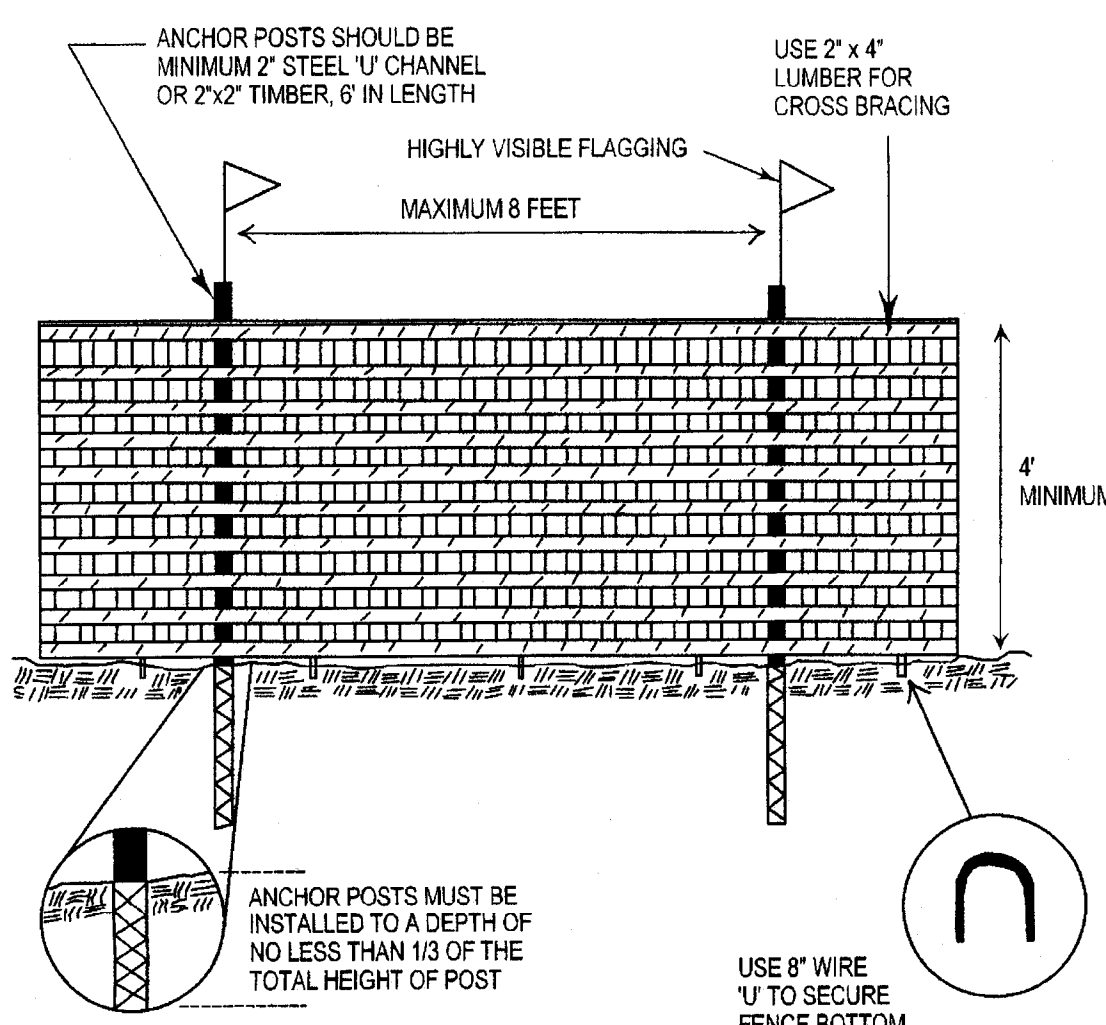


TRUNK BUFFER

- 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 8 to 10 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

FIGURE 3-4

TYPE 1 (TEMPORARY) TREE PROTECTION FENCE DETAIL FOR WOODLAND PRESERVATION AREAS. BLAZE ORANGE PLASTIC MESH

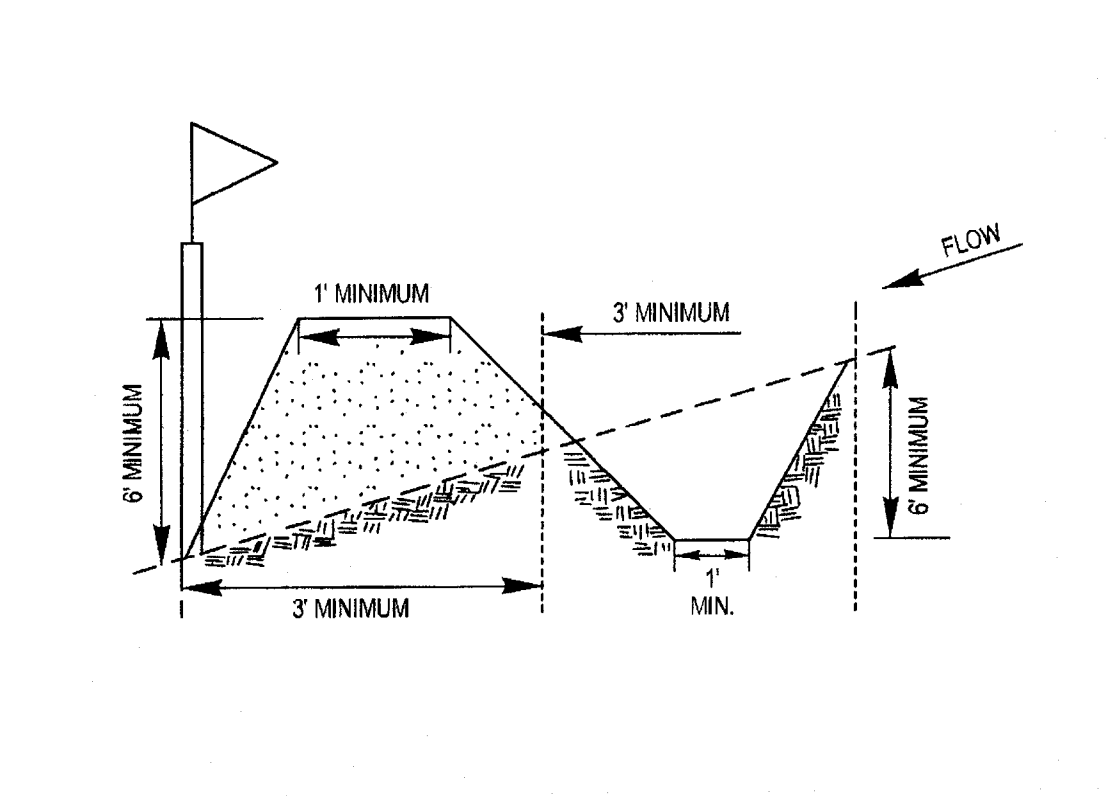


- NOTES:
- FOREST PROTECTION DEVICE ONLY.
 - RETENTION AREA WILL BE SET AS PART OF THE REVIEW PROCESS
 - BOUNDARIES OF RETENTION AREA SHOULD BE STAKED AND FLAGGED PRIOR TO INSTALLING DEVICE
 - ROOT DAMAGE SHOULD BE AVOIDED
 - PROTECTIVE SIGNAGE IS ALSO REQUIRED.
 - DEVICE SHOULD BE MAINTAINED THROUGHOUT CONSTRUCTION

SOURCE: PRINCE GEORGES COUNTY, MARYLAND: WOODLAND CONSERVATION MANUAL

FIGURE 3-10

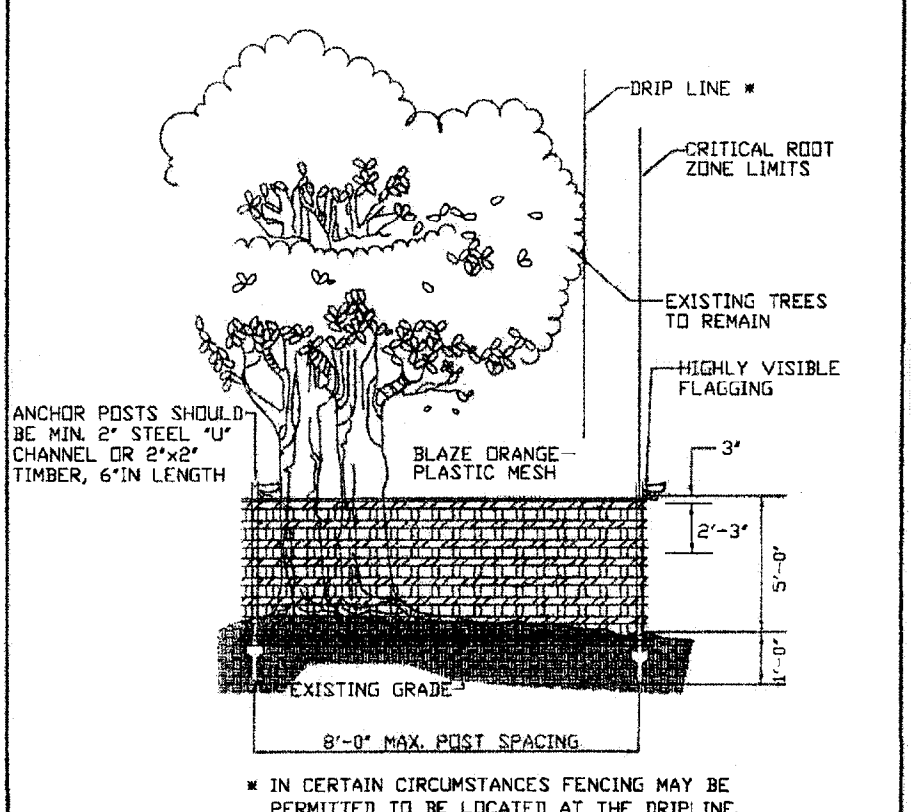
TYPE 3 EARTHEN DIKE / SWALE & TREE PROTECTION COMBINATION



- NOTES:
- COMBINATION 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
 - THE TOP OR TOE OF SLOPE SHOULD BE WITHIN THE LIMIT OF DISTURBANCE
 - EQUIPMENT IS PROHIBITED WITHIN CRITICAL ROOT ZONE OF RETENTION AREA; PLACE DICE ACCORDINGLY
 - ALL STANDARD MAINTENANCE FOR EARTHEN DIKES AND SWALES APPLY TO THESE DETAILS
 - ALL STANDARD RECLAMATION PRACTICES FOR EARTHEN DIKES AND SWALES SHALL APPLY TO THESE DETAILS

SOURCE: PRINCE GEORGES COUNTY, MARYLAND: WOODLAND CONSERVATION MANUAL

TYPE 1 (TEMPORARY) TREE PROTECTION FENCE DETAIL FOR WOODLAND PRESERVATION AREAS. BLAZE ORANGE PLASTIC MESH



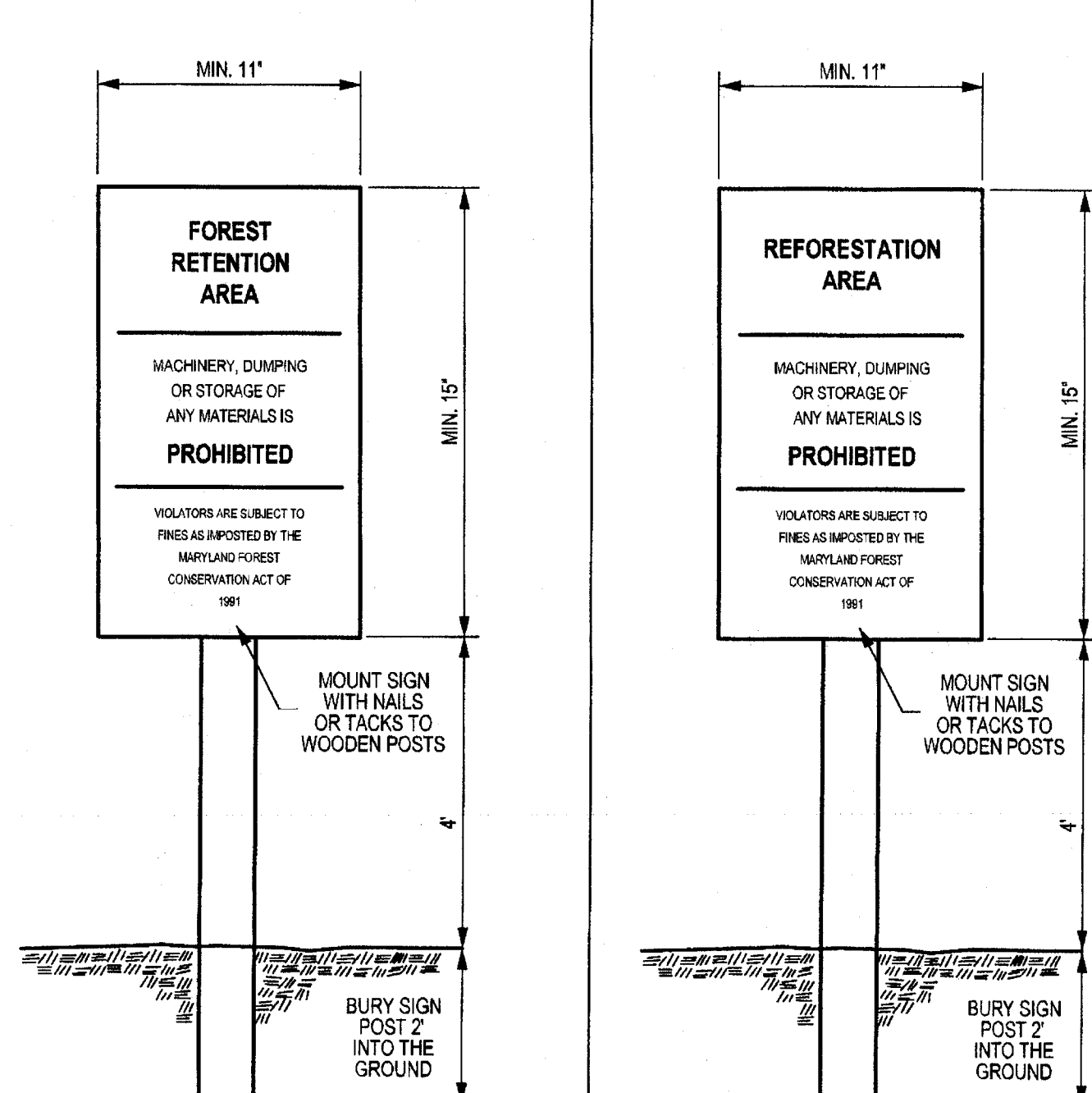
- NOTES: (MUST BE INCLUDED WITH DETAIL)
- FOREST PROTECTION DEVICE ONLY.
 - RETENTION AREA WILL BE SET AS PART OF THE REVIEW PROCESS
 - BOUNDARIES OF RETENTION AREA SHOULD BE STAKED AND FLAGGED PRIOR TO INSTALLING DEVICES
 - ROOT DAMAGE SHOULD BE AVOIDED
 - PROTECTIVE SIGNAGE IS ALSO REQUIRED.
 - DEVICE SHOULD BE MAINTAINED THROUGHOUT CONSTRUCTION

TEMPORARY FENCE PROTECTION DETAIL FOR WOODLAND PRESERVATION AREAS

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

PRESERVATION PROTECTION SIGN

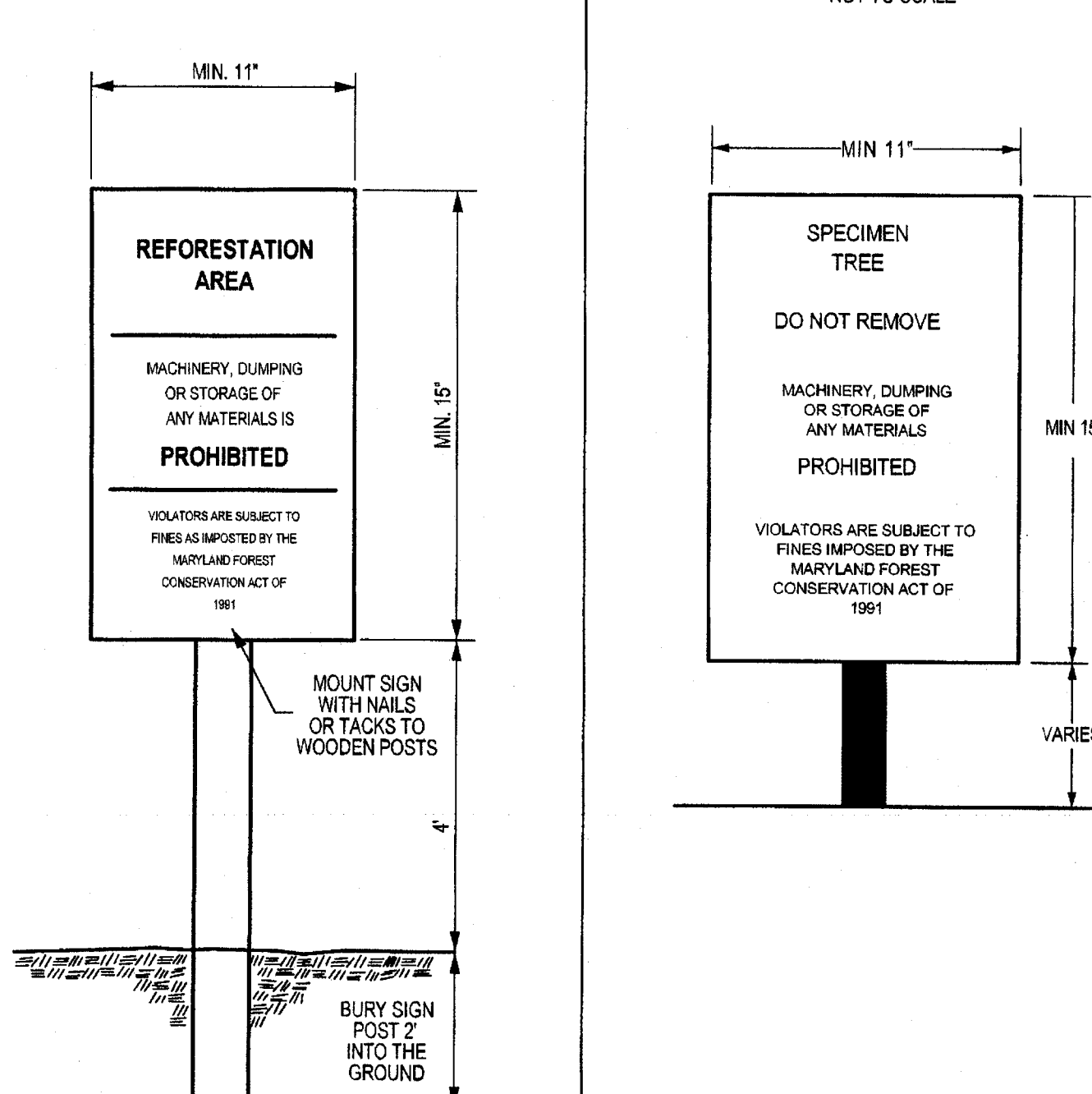
NOT TO SCALE



- NOTES:
- ATTACHMENT OF SIGNS TO TREES IS PROHIBITED.
 - SIGNS SHOULD BE PROPERLY MAINTAINED.
 - AVOID INJURY TO ROOTS WHEN PLACING SIGNS FOR THE SIGNS.
 - SIGNS SHOULD BE POSTED TO BE VISIBLE TO ALL CONSTRUCTION PERSONNEL FROM ALL DIRECTIONS.
 - SIGNS SHOULD BE INSTALLED AT SAME TIME AS TREE PROTECTION DEVICE.
 - LOCATE SIGNS APPROXIMATELY EVERY 50 FEET ALONG FENCING.
 - SIGNS SHOULD BE IN PLACE IMMEDIATELY FOLLOWING STAKE OUT OF L.O.D., AND REMAIN IN PLACE IN PERPETUITY.

REFORESTATION PROTECTION SIGN

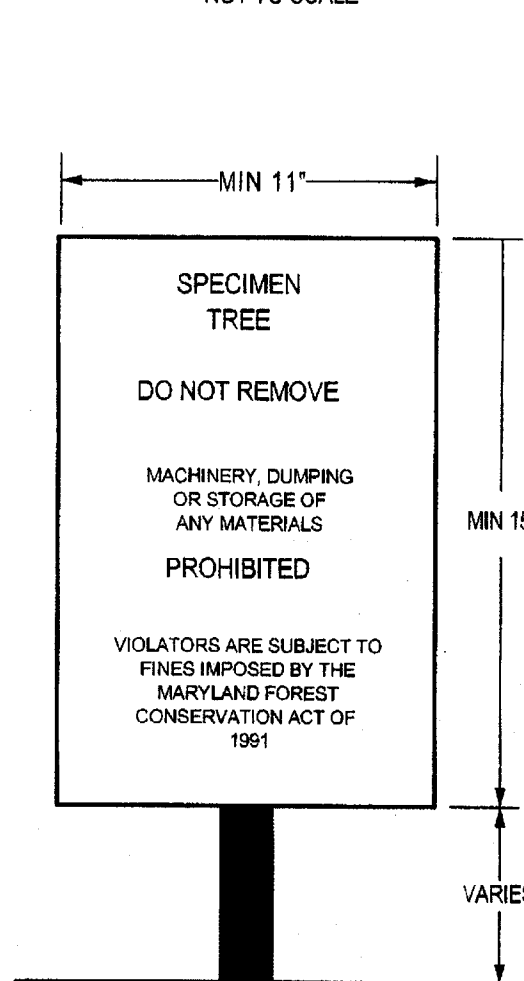
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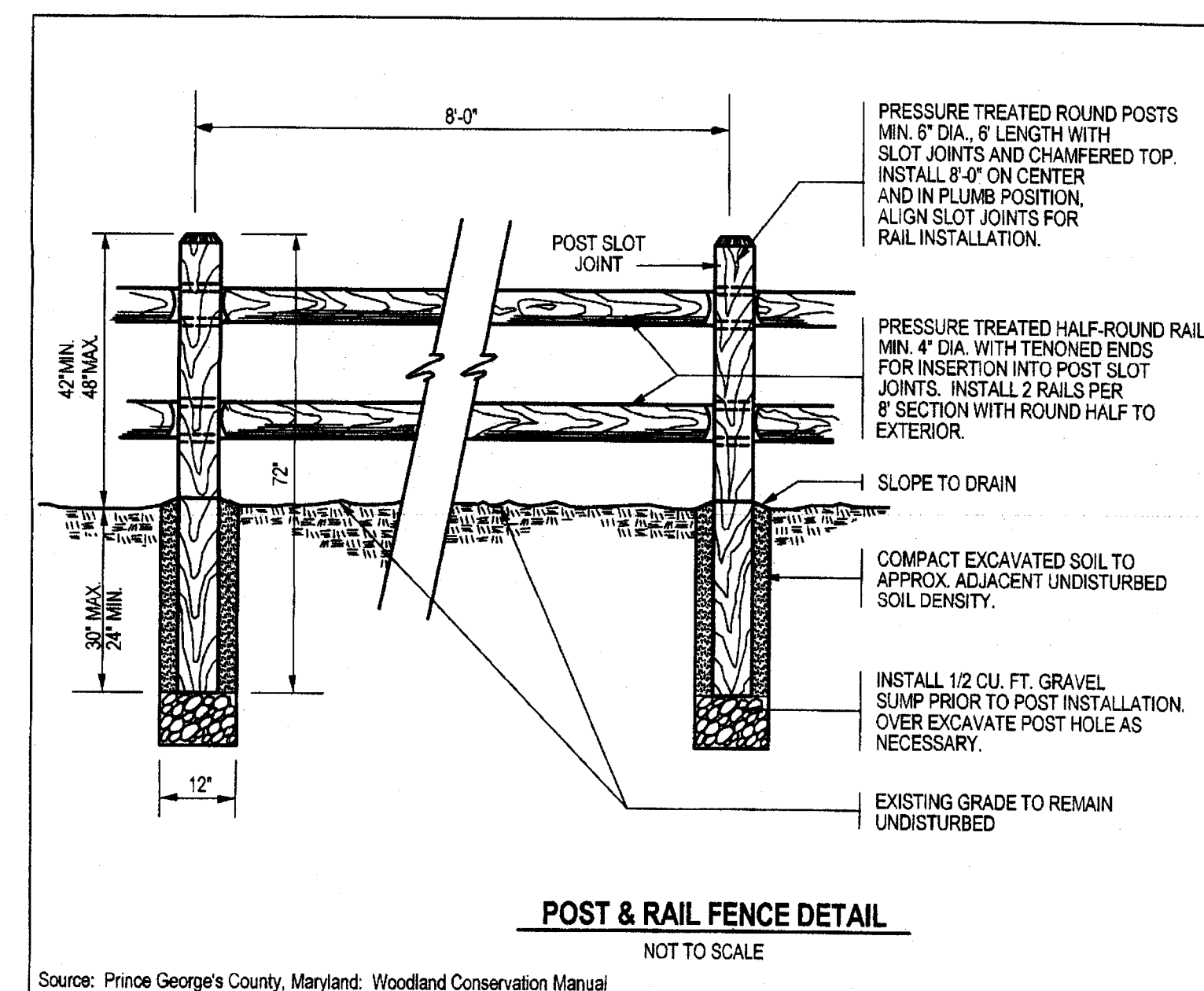
- NOTES:
- ATTACHMENT OF SIGNS TO TREES IS PROHIBITED.
 - SIGNS SHOULD BE PROPERLY MAINTAINED.
 - AVOID INJURY TO ROOTS WHEN PLACING SIGNS FOR THE SIGNS.
 - CONDITIONS ON SITE AFFECTING VISIBILITY MAY WARRANT PLACING SIGNS CLOSER OR FARTHER APART.
 - SIGNS SHOULD BE INSTALLED AT SAME TIME AS TREE PROTECTION DEVICE.
 - LOCATE SIGNS APPROXIMATELY EVERY 50 FEET ALONG FENCING.
 - SIGNS SHOULD BE IN PLACE IMMEDIATELY FOLLOWING STAKE OUT OF L.O.D., AND REMAIN IN PLACE IN PERPETUITY.

SPECIMEN TREE PROTECTION SIGN

NOT TO SCALE



- NOTES:
- 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.
 - ATTACHMENT OF SIGNS TO TREES IS PROHIBITED.



SOURCE: Prince Georges County, Maryland: Woodland Conservation Manual

EDGE MANAGEMENT NOTES

- HERBACEOUS VEGETATION WILL BE CONTROLLED BY THE APPLICATION OF A PRE-EMERGENT HERBICIDE BEFORE TREE PLANTING IN A MANNER CONSISTENT WITH THE LABEL 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.
- SEEDLINGS WILL BE PLANTED IN OPEN AREAS AND AMONG EXISTING TREES IF EXISTING 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 DIAMETER BREAST HEIGHT.
- SEEDLINGS SHALL BE PLANTED USING A RANDOM DISTRIBUTION OF SPECIES AND LOCATIONS AT AN AVERAGE OF 1,000 SEEDLINGS PER ACRE (AVERAGE SPACING OF 6 FEET X 7 FEET OR FEET X 4 FEET). SEE PLANTING DETAIL FOR PROPER TECHNIQUE AND PLANT LIST FOR SPECIES AND QUANTITY INFORMATION.
- SEEDLINGS SHALL BE GRADED FOR QUALITY, ESPECIALLY THE ROOT SYSTEM BEFORE PLANTING AND SHALL COME FROM LOCAL SOURCES. SPECIFICATION TO BE PROVIDED TO THE PLANTING CONTRACTOR BY THE OWNER OR HIS AGENT.
- SEEDLINGS WILL BE STORED AND HANDLED TO PREVENT DRYING OF THE ROOT SYSTEM, FREEZING, OR DAMAGE BY EXCESSIVE HEAT. TREES HELD OVER ONE (1) WEEK BEFORE PLANTING SHALL BE HEeled IN AND WELL WATERED.
- ALL TREE PLANTING SHALL BE ON A WEATHER PERMITTING BASIS. MEANING WEATHER CONDITIONS WILL NOT BE IN EXTREME EXCESS OF TREE TOLERANCES FOR SURVIVAL DURING HANDLING AND PLANTING, INCLUDING SITE DRAINAGE AND SOIL CONDITIONS.
- ANY TREE SHOWN BY INSPECTION WITHIN 30 DAYS OF PLANTING TO BE IMPROPERLY PLANTED SHALL BE REPLACED WITH NEW TREES OF THE SAME SIZE, TYPE, AND OTHER SPECIFICATIONS PROPERLY PLANTED. IF 20% OR MORE OF THE SEEDLINGS ARE IMPROPERLY PLANTED, THE ENTIRE STAND MAY BE REQUIRED TO BE REPLACED WITH NEW TREES PROPERLY PLANTED OR THE TOTAL COST OF THE TREES AND THE PLANTING REPAID TO THE OWNER, AT THE OWNER'S OPTION.
- SURVIVAL OF AT LEAST 75% OF THE SEEDLINGS AT THE END OF THE THIRD GROWING SEASON MUST BE GUARANTEED BY THE TREE PLANTING CONTRACTOR. THE CONTRACTOR WILL NOT BE LIABLE FOR TREE LOSSES DUE TO CONDITIONS BEYOND HIS CONTROL OR TREE LOSSES BEYOND THE THREE (3) YEARS AFTER PLANTING.
- PLANTS TO BE WATERED NICE PER WEEK DURING PERIODS OF LOW RAINFALL (LESS THAN 1" PER WEEK).

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 OF RESIDENCES:

POISON IVY GREENBRIER BLACKBERRY

ALL HAZARDOUS TREES WITHIN 75 FEET OF AN EDGE MAY BE PRUNED BY A PROFESSIONAL ARBORIST OR A LICENSED TREE EXPERT IN ORDER TO CORRECT THE POTENTIAL PROBLEM. 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 PROPERTY DAMAGE OR THE POSSIBILITY OF PERSONAL INJURY. A 30 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.

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 IN ORDER TO RETURN THE STOCK LEVELS TO 65 SQUARE FEET OF BASAL AREA WITHIN FIVE (5) YEARS.

TREES MAY BE PRUNED IN ACCORDANCE WITH APPROVED ARBORICULTURAL STANDARDS. PRUNING SHALL NOT BE DONE IN SUCH A MANNER AS TO BE INJURIOUS TO THE TREE. THE STATE OF MARYLAND REQUIRES THAT PRUNING NOT DONE BY THE PROPERTY OWNER SHALL BE DONE BY A PROFESSIONAL ARBORIST OR A LICENSED TREE EXPERT.

TILLING THE SOILS IN THE FOREST CONSERVATION AREAS IN ORDER TO SEED WITH 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 NOT ACCEPTABLE.

M-NCPPC PRINCE GEORGES COUNTY ENVIRONMENTAL PLANNING SECTION APPROVAL TREE CONSERVATION PLAN TCPII - 029 - 12			
APPROVED BY:	DATE:		
INITIALS / SIGNATURE:	DATE:		
01 REVISION:	INITIALS:	9/26/13	
02 REVISION:	INITIALS:		
03 REVISION:	INITIALS:		
04 REVISION:	INITIALS:		

M-NCPPC APPROVALS			
PROJECT NAME: WESTPHALIA CENTER PHASE I			
PROJECT NUMBER: DSP-13006			
FOR CONDITIONS OF APPROVAL SEE SITE PLAN COVER SHEET OR APPROVAL SHEET REVISED LISTED BELOW APPLY TO THIS SHEET:			
APPROVAL OR REVISION #	APPROVAL DATE	REVIEWER'S INITIALS	CERTIFICATION DATE
DSP-12017	10/18/12	EPS	02/04/13



LANHAM OFFICE
4300 Forbes Boulevard, Suite 230
Lanham, MD 20706
P. 301.794.7555 F. 301.794.7556
www.soltesz.com

Rockville
Lanham
Woodford
Lanham

NO.	DATE	REVISIONS	BY	DATE
03	05/15/2013	REVISED LOD & PRESERVATION AREA ASSOC. W/ THE CHANGE. REMOVED ADDITIONAL SPECIMEN TREES	GAM	05/15/2013
02	01/22/2013	REVISED TO MEET M-NCPPC COMMENTS DATED 01/23/13	GAM	01/22/2013
01	11/13/2012	REVISED TO MEET DSP-12017 RESOLUTION COMMENTS	GAM	11/13/2012
NO.	DATE	REVISIONS	BY	DATE
DESIGNED	GAM	CAD STANDARDS VERSION	VA - 2000	
TECHNICAL	GAM			
CHECKED	THD			

MISS UTILITY NOTE

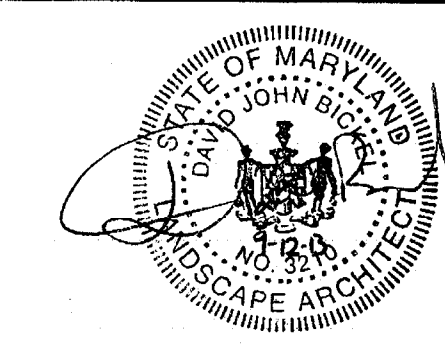
INFORMATION CONCERNING EXISTING UNDERGROUND UTILITIES HAS BEEN OBTAINED FROM AVAILABLE RECORDS. THE CONTRACTOR MUST DETERMINE THE EXACT LOCATION AND DEPTH OF ALL UTILITIES BY HAND, WELL IN ADVANCE OF THE START OF EXCAVATION. CAUTION MUST BE EXERCISED TO AVOID DAMAGE TO ANY UTILITIES. IF ANY UTILITIES ARE LOCATED WITHIN THE PLANNED EXCAVATION AREA, THE CONTRACTOR SHALL CONTACT THE ENGINEER AND THE UTILITY COMPANY BEFORE PROCEEDING WITH CONSTRUCTION. CLEARANCES LESS THAN NOTED MAY REQUIRE REVISIONS TO THIS PLAN.

OWNER/DEVELOPER/APPLICANT

WALTON WESTPHALIA DEVELOPMENT (USA), LLC
C/O WALTON DEVELOPMENT & MANAGEMENT (USA), INC.
11800 SUNRISE VALLEY DRIVE, SUITE 300
RESTON, VIRGINIA 20191
MOBILE: 540-532-2158
FAX: 888-913-8686
CONTACT: MELANIE B. GRAF, P.E.

COPYRIGHT ADD THE MAP PEOPLE

MAP	NO.	GRID	FILE
TAX MAP	20	03	04-04-01
ZONING CATEGORY:	30	03	04-04-01
WSSC 200' SHEET	20	03	04-04-01
DATE	2007	03	04-04-01
SITE DATUM	XXXX		
HORIZONTAL:			
VERTICAL:			



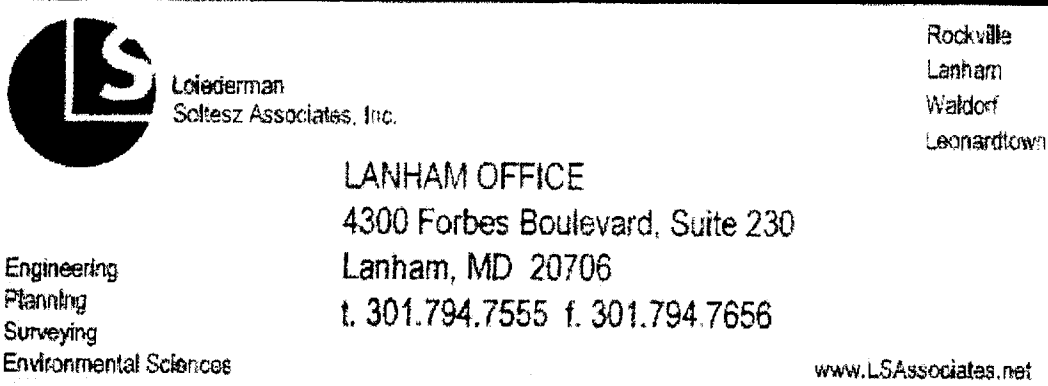
TREE CONSERVATION PLAN TYPE II

TREE CONSERVATION TYPE II WESTPHALIA TOWN CENTER

MELWOOD (15th) ELECTION DISTRICT, PRINCE GEORGES COUNTY, MARYLAND



SHEET	2
OF	2
PROJECT NO.	10270300

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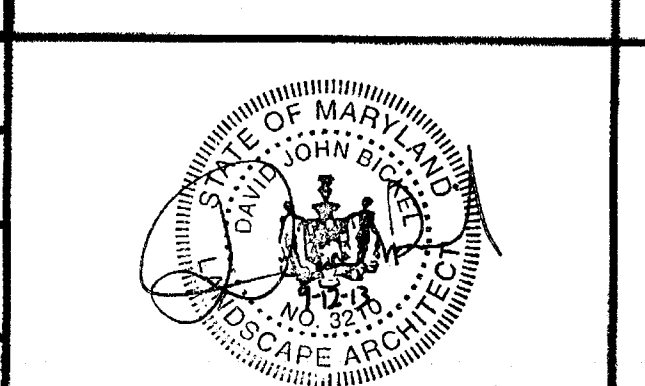
MISS UTILITY NOTE

INFORMATION CONCERNING EXISTING UNDERGROUND UTILITIES WAS OBTAINED FROM AVAILABLE RECORDS. THE CONTRACTOR MUST DETERMINE THE EXACT LOCATION AND ELEVATION OF ALL EXISTING UTILITIES AND UTILITY CROSSINGS BY DIGGING TEST PITS BY HAND, WELL IN ADVANCE OF THE START OF EXCAVATION. CONTACT MISS UTILITY AT 1400.267.777, 48 HOURS PRIOR TO THE START OF EXCAVATION. CLEARANCES ARE LESS THAN SHOWN ON THE PLAN. THE CONTRACTOR SHALL MAINTAIN CLEARANCE IF LESS. CONTACT THE ENGINEER AND THE UTILITY COMPANY BEFORE PROCEEDING WITH CONSTRUCTION. CLEARANCES LESS THAN NOTED MAY REQUIRE REVISIONS TO THIS PLAN.

OWNER/DEVELOPER/APPLICANT
WALTON WESTPHALIA DEVELOPMENT (USA), LLC.
C/O WALTON DEVELOPMENT & MANAGEMENT (USA) INC
11800 SUNRISE VALLEY DRIVE, SUITE 300
RESTON, VIRGINIA 20191

MOBILE: 540-532-2158
FAX: 888-913-8666
CONTACT : MELANIE B. GRAF, P.E.

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MAP	91 GRID R4
TAX MAP	ZONING CATEGORY
90 02 D4-E4-P2-4	MAY-T
91 01 A4	
90 D1-E1-F1	
W35C 200 SHEET	
205 SE 04, 205 SE 08	
207 SE 08, 207 SE 09	



**TREE CONSERVATION TYPE II
WESTPHALIA TOWN CENTER**



 1" = 30'
 SHEET 39
 OF 57



LEGEND

PROPERTY BOUNDARY ————— 4

EXISTING CONTOUR ————— 145 —————

PROPOSED CONTOUR ————— 145 —————

STREAM —————

STREAM BUFFER ————— SB —————

WETLAND ————— WL —————

WETLAND BUFFER ————— WB —————

FLOODPLAIN ————— FP —————

PRIMARY MANAGEMENT AREA ————— PMA —————

LIMIT OF DISTURBANCE ————— LOD —————

NOISE CONTOUR ————— 70 dBA —————

EXISTING TREELINE ————— XXXX ————— 5

FOREST STAND BOUNDARY ————— - - - - -

SPECIMEN TREE WITH CRITICAL ROOT ZONE

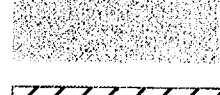


SPECIMEN TREE TO BE REMOVED



FIELD LOCATED TREE F.L.

CLEARED OFF-SITE AREA



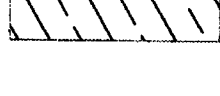
WOODLAND PRESERVATION AREA



WOODLAND PRESERVED - NOT CREDITED



WOODLAND RETAINED - ASSUMED CLEARED



PROTECTION DEVICES

WOODLAND PRESERVATION SIGN



SPECIMEN TREE PROTECTION SIGN



TYPE 1 - SLAZE ORANGE FENCING ———— X ———— X ———— X

TYPE 3 - EARTH DIKE COMBINATION ———— o ———— o ———— o

TYPE 4 - SILT FENCE-COMBINATION ———— TSF - SF - LOD

6

7

M-NCPPC		
PRINCE GEORGE'S COUNTY PLANNING DEPARTMENT		
ENVIRONMENTAL PLANNING SECTION		
APPROVAL		
TREE CONSERVATION PLAN		
TCPI - 029 - 12		
APPROVED BY	DATE	
INITIAL STAFF SIGNATURE	MEGAN K REISER	1-31-13
01 REVISION	<i>Megan K Reiser</i>	7/3/13
02 REVISION		
03 REVISION		
04 REVISION		

[illegible]

SCALE: 1" = 30'

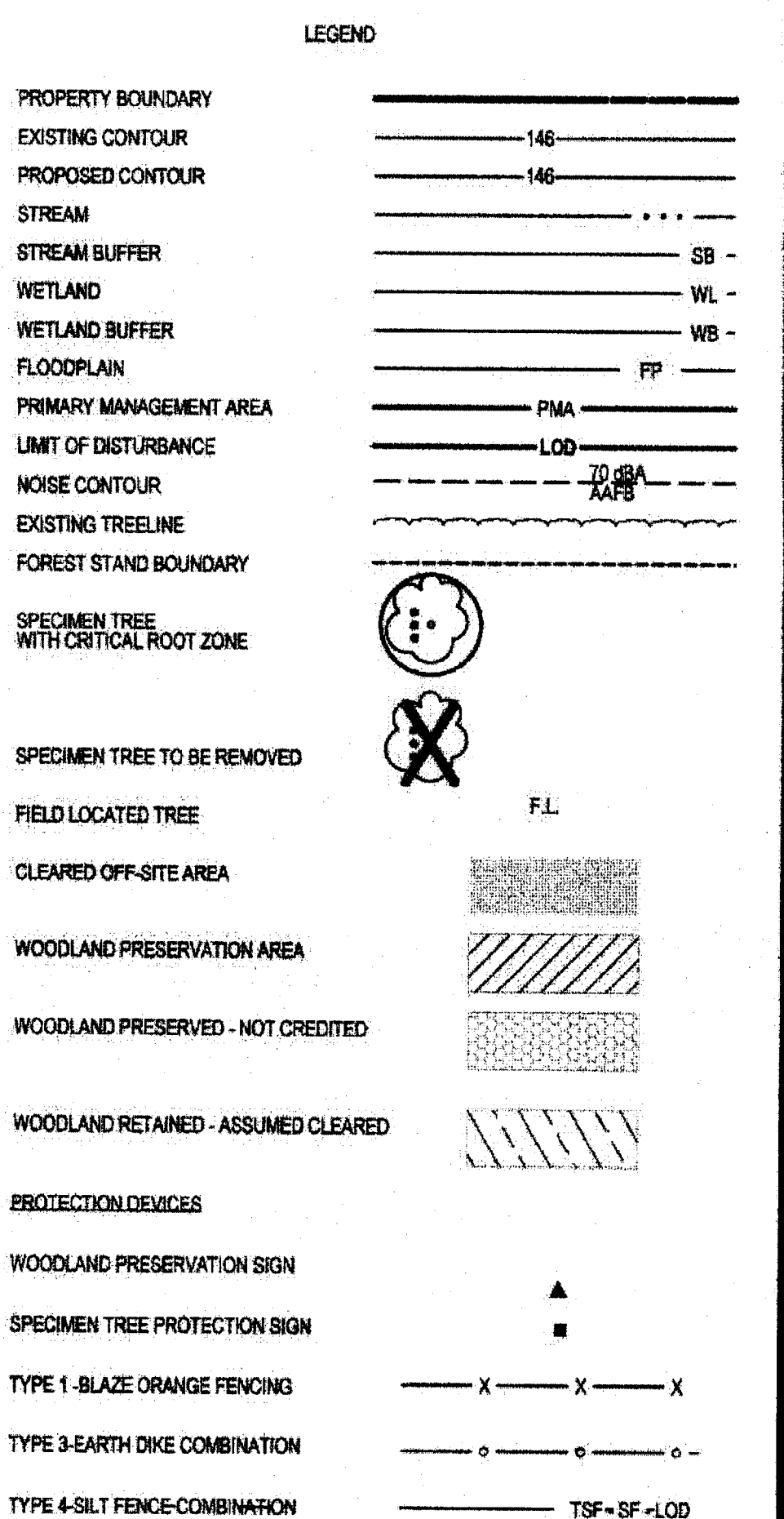
TREE CONSERVATION PLAN TYPE II

TREE CONSERVATION TYPE II
WESTPHALIA TOWN CENTER

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

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MATCHLINE SEE SHEET 39



FUTURE A-37 RWV
P.B.NLP 147 P.100

LOT 11

LOT 11
MELLWOOD ESTATES
P.B.NLP147 P.100
HERMILO L. LABASTIDA
L.15972 F.162
ZONE:R-A
USE:RESIDENTIAL

WOODYARD ROAD EXT.
P.B. (150' R/W)
P.B. VJ172 P. 3

WOODLAND CLEARED
OFF-SITE:
AREA C: 1.98 AC.

MATCHLINE SEE SHEET 47

Country	Number of Children
India	~50
China	~35
USA	~20
USSR	~10

TREE CONSERVATION PLAN TYPE II

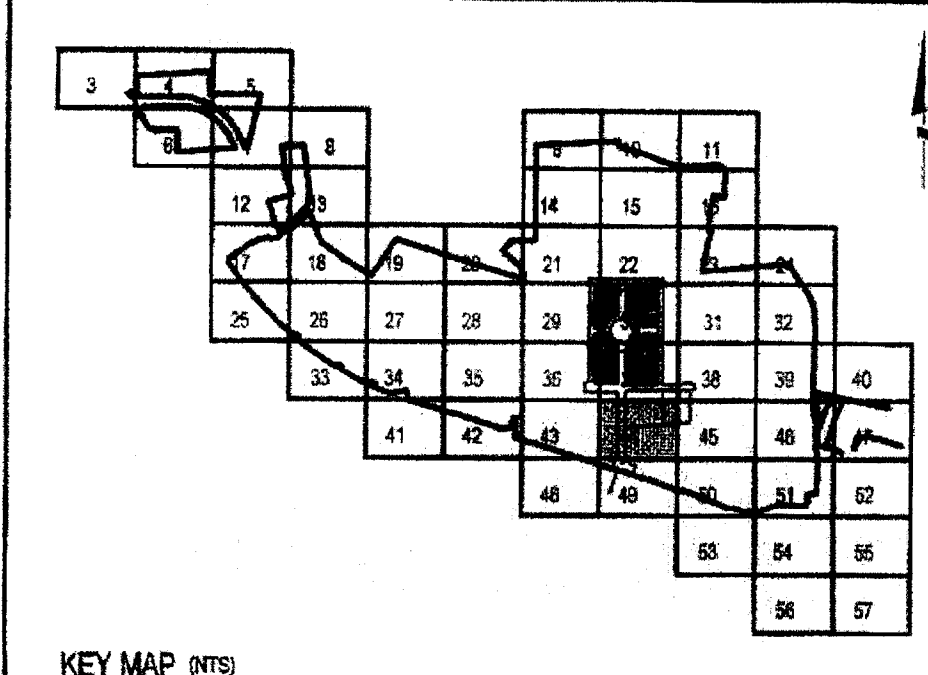
TREE CONSERVATION TYPE II
WESTPHALIA TOWN CENTER

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



 SHEET 40
 OF 57
 PROJECT NO. 10370200

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MATCHLINE SEE SHEET 45

MATCHLINE SEE SHEET 43

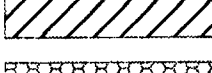
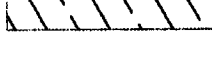


SHEET 44
OF 57

MELWOOD (19th) ELECTION DISTRICT, PRINCE GEORGE'S COUNTY, MARYLAND

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LEGEND

PROPERTY BOUNDARY	_____
EXISTING CONTOUR	_____ -146
PROPOSED CONTOUR	_____ -146
STREAM	_____
STREAM BUFFER	_____ SB
WETLAND	_____ WL
WETLAND BUFFER	_____ WB
FLOODPLAIN	_____ FP
PRIMARY MANAGEMENT AREA	_____ PMA
LIMIT OF DISTURBANCE	_____ LOD
NOISE CONTOUR	_____ 70 dBA _____ 65 dBA
EXISTING TREELINE	_____
FOREST STAND BOUNDARY	_____
SPECIMEN TREE WITH CRITICAL ROOT ZONE	
SPECIMEN TREE TO BE REMOVED	
FIELD LOCATED TREE	FL
CLEARED OFF-SITE AREA	
WOODLAND PRESERVATION AREA	
WOODLAND PRESERVED - NOT CREDITED	
WOODLAND RETAINED - ASSUMED CLEARED	
<u>PROTECTION DEVICES</u>	
WOODLAND PRESERVATION SIGN	▲
SPECIMEN TREE PROTECTION SIGN	■
TYPE 1-BLAZE ORANGE FENCING	_____ X _____ X _____ X
TYPE 3-EARTH DIKE COMBINATION	_____ o _____ o _____ o
TYPE 4-SILT FENCE-COMBINATION	_____ TSF _____ SF _____ LOD

M-NCPPC
PRINCE GEORGE'S COUNTY PLANNING DEPARTMENT
ENVIRONMENTAL PLANNING SECTION
APPROVAL
TREE CONSERVATION PLAN
TCP11 - 029 - 12

APPROVED BY		DATE
INITIAL STAFF SIGNATURE	MEGAN K. REISER	1-31-13
01 REVISION	<i>Megan K Reiser</i>	9/23/11
02 REVISION		
03 REVISION		
04 REVISION		

[illegible]

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t. 301.794.7555 f. 301.794.7656

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Lanham
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Leondowntown

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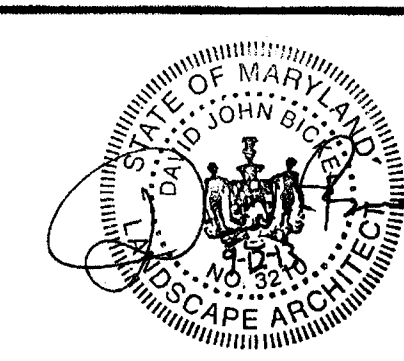
03	REVISED LOD AND PRESERVATION CLEARING AREA ASSOCIATED WITH THE CHANGE	GAM	05/15/2012
02	REVISED TO MEET MNOPPC COMMENTS DATED 01/17/2013	GAM	01/22/2013
01	REVISED TO MEET DSP-12017 RESOLUTION COMMENTS	GAM	11/13/2011
NO.	REVISIONS		BY DATE
DATE	APRIL 2012	CAD STANDARDS VERSION	V8 - 2009
DESIGNED BY	GAM	DESIGNED BY	GAM
CHECKED BY	THD	CHECKED BY	THD

INFORMATION CONCERNING EXISTING UNDERGROUND UTILITIES MUST OBTAINED FROM AVAILABLE RECORDS. THE CONTRACTOR MUST DETERMINE THE EXACT LOCATION AND ELEVATION OF ALL EXISTING UTILITIES AND UTILITY CROSSINGS BY DIGGING TEST PITS BY HAND, WELL IN ADVANCE OF THE START OF EXCAVATION. CONTACT "MISS UTILITY" AT 1-800-267-7777, 48 HOURS PRIOR TO THE START OF EXCAVATION. IF CLEARANCES ARE LESS THAN SHOWN ON THIS PLAN OR TWELVE (12) INCHES, WHICHEVER IS LESS, CONTACT THE ENGINEER AND THE UTILITY COMPANY BEFORE PROCEEDING WITH CONSTRUCTION. CLEARANCES LESS THAN NOTED MAY REQUIRE REVISIONS TO THIS PLAN.

WALTON WESTPHALIA DEVELOPMENT (USA), LLC,
C/O WALTON DEVELOPMENT & MANAGEMENT (USA), INC.
11800 SUNRISE VALLEY DRIVE, SUITE 300
RESTON, VIRGINIA 20151

MOBILE: 540-532-2156
FAX: 888-913-8686
CONTACT: MELANIE B. GRAF, P.E.

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 PERMITTED USE NUMBER 21001202
 MAP 90 GRID F4
 TAX MAP C3,D3-4,E3-4,F3-4
 ZONING DATE M.Y.T

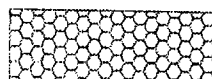
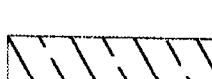


A 10x10 grid puzzle. The grid contains numbers 1 through 30 in various cells. Some cells are shaded black. A key map at the bottom shows the layout of the numbers and the shaded cells.

3									
	1	2							
			8						
	12	10							
		15	16						
	25		27	28	29	22			
							31		
		30						32	
			35	36	36				
							38	39	40
			41	42	43			45	
									52
					48	49		51	
							53	54	55
							56	57	

KEY MAP (MS)

MATCHLINE SEE SHEET 46

PROPERTY BOUNDARY	_____	
EXISTING CONTOUR	_____ 146	
PROPOSED CONTOUR	_____ 146	
STREAM	_____ . . .	
STREAM BUFFER	_____	SB
WETLAND	_____	WL
WETLAND BUFFER	_____	WB
FLOODPLAIN	_____	FP
PRIMARY MANAGEMENT AREA	_____ PMA	
LIMIT OF DISTURBANCE	_____ LOD	
NOISE CONTOUR	_____ 70-85 dB	
EXISTING TREELINE	_____	
FOREST STAND BOUNDARY	_____	
SPECIMEN TREE WITH CRITICAL ROOT ZONE		
SPECIMEN TREE TO BE REMOVED		
FIELD LOCATED TREE		F.L.
CLEARED OFF-SITE AREA		
WOODLAND PRESERVATION AREA		
WOODLAND PRESERVED - NOT CREDITED		
WOODLAND RETAINED - ASSUMED CLEARED		
<u>PROTECTION DEVICES</u>		
WOODLAND PRESERVATION SIGN		▲
SPECIMEN TREE PROTECTION SIGN		■
TYPE 1 - BLAZE ORANGE FENCING	_____ X _____ X _____ X	
TYPE 3 - EARTH Dike COMBINATION	_____ o _____ o _____ o	
TYPE 4 - SILT FENCE-COMBINATION	_____ TSF = SF + LOD	

M-NCPPC
PRINCE GEORGE'S COUNTY PLANNING DEPARTMENT
ENVIRONMENTAL PLANNING SECTION
APPROVAL
TREE CONSERVATION PLAN
TCPH - 029 - 12

APPROVED BY		DATE
INITIAL STAFF SIGNATURE	MEGAN K. REISER	1-31-11
01 REVISION	<i>Megan K Reiser</i>	9/3/11
02 REVISION		
03 REVISION		
04 REVISION		

M-NCPPC APPROVALS

PROJECT NAME: WESTPHALIA CENTER PHASE I

PROJECT NUMBER: DSP-12017

FOR CONDITIONS OF APPROVAL SEE SITE PLAN COVER SHEET OR APPROVAL SHEET

[illegible]

SCALE: 1" = 30'

TREE CONSERVATION PLAN TYPE II

TREE CONSERVATION TYPE II
WESTPHALIA TOWN CENTER



SHEET 45
OF 57

PROJECT NO.
40270000

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

PA19270300\ENGINEER\NATC\P145.sht Scale=30.0000 ft./in. User=smitd1 Plot=PDF Grey 150 cpi in Pentia TEXT SHIP 06/18/2012 11:48:12 A

MATCHLINE SEE SHEET 50

A horizontal number line with tick marks at 30, 15, 0, and 30. The line is divided into four equal segments by these tick marks.

LS Loleiderman
Soltesz Associates, Inc.

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Waldford
Leonardtown

www.LSAassociates.net

03	REVISED LOD AND PRESERVATION/CLEARING AREA ASSOCIATED WITH THE CHANGE	GAM	05/15/20
02	REVISED TO MEET MINPCPC COMMENTS DATED 01/12/2013	GAM	01/22/20
01	REVISED TO MEET DSP-17017 RESOLUTION COMMENTS	GAM	11/13/20
NO	REVISIONS	BY	DATE
DATE:	APRIL 2012	CAD STANDARDS VERSION:	11-2009

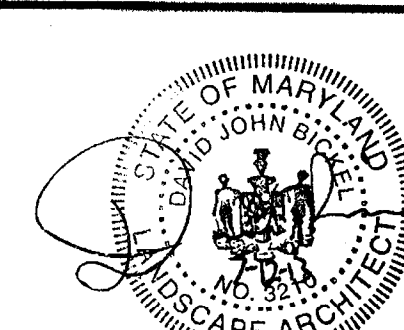
MISS UTILITY NOTE

INFORMATION CONCERNING EXISTING UNDERGROUND UTILITIES WAS OBTAINED FROM AVAILABLE RECORDS. THE CONTRACTOR MUST DETERMINE THE EXACT LOCATION AND ELEVATION OF ALL EXISTING UTILITIES AND UTILITY CROSSINGS BY DIGGING TEST PITS BY HAND, WELL IN ADVANCE OF THE START OF EXCAVATION. CONTRACT "MISS UTILITY" AT 1460-2057/727, 48 HOURS PRIOR TO THE START OF EXCAVATION. IF CLEARANCES ARE LESS THAN SHOWN ON THIS PLAN OR TWELVE (12) INCHES, WHOEVER IS RESPONSIBLE CONTACT THE ENGINEER AND THE UTILITY COMPANY BEFORE PROCEEDING WITH CONSTRUCTION. CLEARANCES LESS THAN SHOWN ARE TO BE MAINTAINED.

OWNER/DEVELOPER/APPLICANT
WALTON WESTPHALIA DEVELOPMENT (USA), LLC
C/O WALTON DEVELOPMENT & MANAGEMENT (USA), INC.
11830 SUNRISE VALLEY DRIVE, SUITE 300
RESTON, VIRGINIA 20191

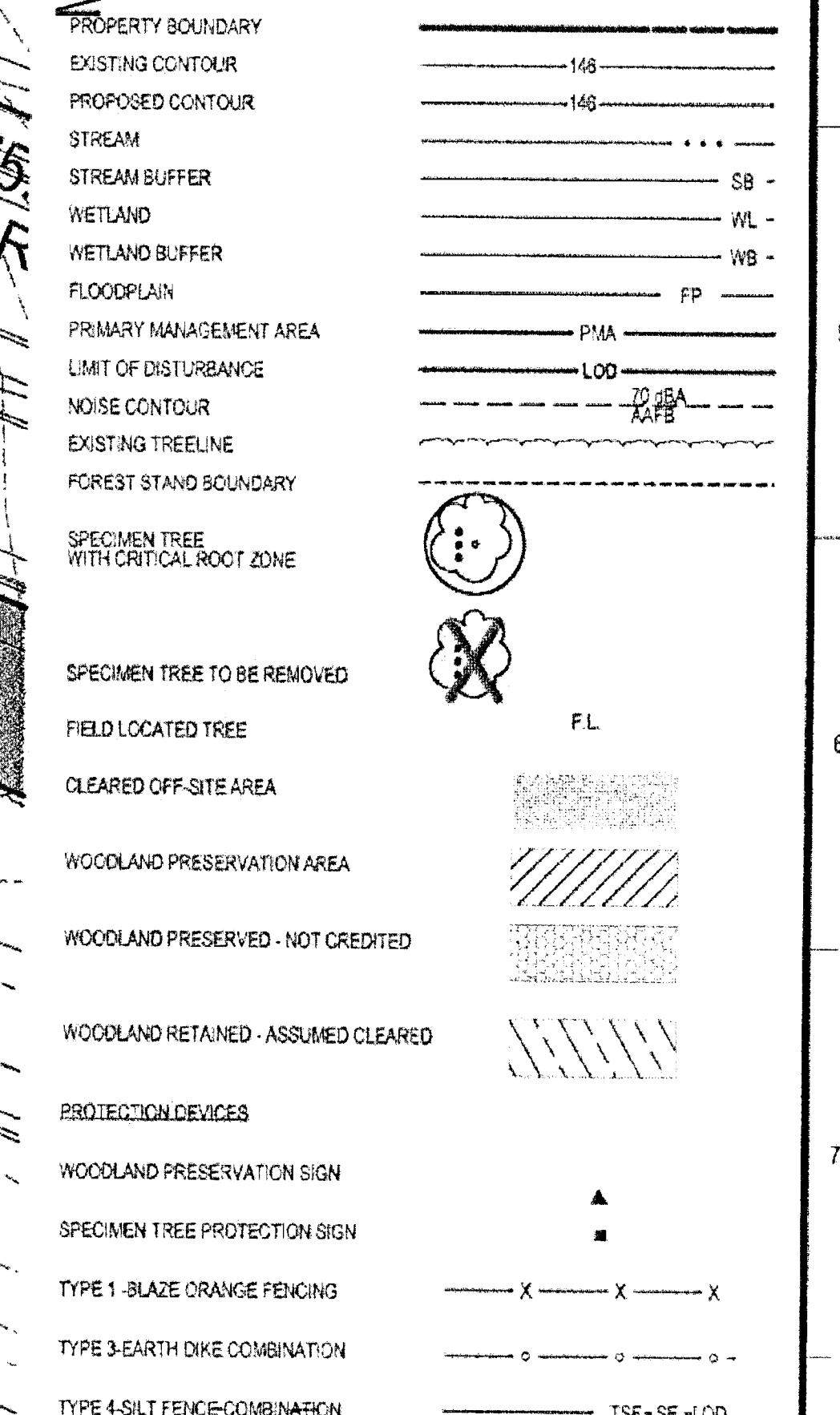
MOBILE: 540-532-2158
FAX: 888-913-8866
CONTACT: MELANIE R. GRAF, P.E.

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MAP	90	GRID	F4
TAX MAP		ZONING CATEGORY:	
90	C3, D3-4, E3-4, F3-4	M-X-7	
91	A4		
96	D1E1F1		
WSSC 200' SHEET			
206 SE 08, 206 SE 09			
207 SE 08, 207 SE 09			



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PROPE
MATCHLINE SEE SHEET 50



14-NUPPC
PRINCE GEORGE'S COUNTY PLANNING DEPARTMENT
ENVIRONMENTAL PLANNING SECTION
APPROVAL
TREE CONSERVATION PLAN
TCPII - 029 - 12

APPROVED BY	DATE
INITIAL STAFF SIGNATURE	
01 REVISION	MEGAN K. REISER 1-31-13
02 REVISION	Megan K. Reiser 6/28/13
03 REVISION	
04 REVISION	

[illegible]

SCALE: 1" = 30'



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Engineering Planning Surveying Environmental Sciences	www.lsassociates.net	

03	REVISD JCD AND PRESERVATION LEARNING ARE ASSOCIATED WITH THE CHANGE	SAT	09/15/2013
02	REVISD TO MEET MINPPO COMMENTS DATED 01/17/2013	SAT	10/22/2013
01	REVISD TO MEET DSP-12017 RESOLUTION COMMENTS	SAT	11/15/2012
00	REVISIONS	BT	DATE
2771	APRIL 2012	ORG: STANFORD LEARN	8 - 2020
2769462	SAT	REVISION	SAT
		INT: 4452	THD

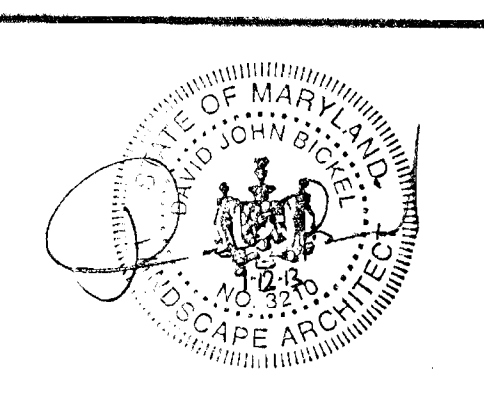
MISS UTILITY NOTE

INFORMATION CONCERNING EXISTING UNDERGROUND UTILITIES HAS BEEN OBTAINED FROM AVAILABLE RECORDS. THE CONTRACTOR MUST DETERMINE THE EXACT LOCATION AND ELEVATION OF ALL EXISTING UTILITIES AND UTILITY CROSSINGS PRIOR TO ANY TESTING BY HAND. WELL IN ADVANCE OF THE START OF EXCAVATION, CONTRACT "MISS UTILITY" AT "MISSING" 48 HOURS PRIOR TO THE START OF EXCAVATION. IF CLEARANCES ARE LESS THAN SHOWN ON THIS PLAN OF TWELVE (12) INCHES, AVOIDANCE IS REQUIRED. CONSULT THE ENGINEER AND THE UTILITY COMPANY BEFORE ANY EXCAVATION. IF NECESSARY, CLEARANCES LESS THAN NOTED MAY REQUIRE PERMITS TO THIS PLAN.

OWNER/DEVELOPER/APPLICANT
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C/O AALTON DEVELOPMENT MANAGEMENT (USA) INC.
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FAX: 888-813-8888
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NAF	90	SRIO	FI
TAX NAF		DOWING CATEGORY	
90	CI 234 234 93-4	NAF-T	
91	DEI 51		
92			
MUSIC 200 SHEET			
206 SE 08.	206 SE 09		
207 SE 08.	207 SE 09		



TREE CONSERVATION PLAN TYPE II
 TREE CONSERVATION TYPE II
WESTPHALIA TOWN CENTER

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

	
	
1" =	3C
Sheet	49
of	57
PROJECT NO.	
19270500	

MATCHLINE SEE SHEET 51

PROPERTY BOUNDARY _____

EXISTING CONTOUR _____ 146 _____

PROPOSED CONTOUR _____ 146 _____

STREAM _____

STREAM BUFFER _____ SB _____

WETLAND _____ WL _____

WETLAND BUFFER _____ WB _____

FLOODPLAIN _____ FP _____

PRIMARY MANAGEMENT AREA _____ PMA _____

LIMIT OF DISTURBANCE _____ LOD _____

NOISE CONTOUR _____

EXISTING TREELINE _____

FOREST STAND BOUNDARY _____

SPECIMEN TREE
WITH CRITICAL ROOT ZONE

SPECIMEN TREE TO BE REMOVED

FIELD LOCATED TREE

CLEARED OFF-SITE AREA

WOODLAND PRESERVATION AREA

WOODLAND PRESERVED - NOT CREDITED

WOODLAND RETAINED - ASSUMED CLEARED

PROTECTION DEVICES

WOODLAND PRESERVATION SIGN

SPECIMEN TREE PROTECTION SIGN

TYPE 1 - BLAZE ORANGE FENCING

TYPE 3 - EARTH DIRT COMBINATION

TYPE 4 - SILT FENCE COMBINATION

M-NCPPC PRINCE GEORGE'S COUNTY PLANNING DEPARTMENT ENVIRONMENTAL PLANNING SECTION APPROVAL TREE CONSERVATION PLAN TCPII - 029 - 12		
APPROVED BY		DATE
INITIAL STAFF SIGNATURE	MEGAN K. REISER	1-31-12
01 REVISION	Megan K. Reiser	9/2/12
02 REVISION		
03 REVISION		
04 REVISION		

[illegible]

Score	Frequency
30	30
45	15
60	0
75	30
90	60

[illegible]

LIMIT 0
STA. 31

MATCHLINE SEE SHEET 54

LEGEND

PROPERTY BOUNDARY
EXISTING CONTOUR
PROPOSED CONTOUR
STREAM
STREAM BUFFER
WETLAND
WETLAND BUFFER
FLOODPLAIN
PRIMARY MANAGEMENT AREA
LIMIT OF DISTURBANCE
NOISE CONTOUR
EXISTING TREELINE
FOREST STAND BOUNDARY
SPECIMEN TREE
WITH CRITICAL ROOT ZONE

SPECIMEN TREE TO BE REMOVED

FIELD LOCATED TREE

CLEARED OFF-SITE AREA

WOODLAND PRESERVATION AREA

WOODLAND PRESERVED - NOT CR

WOODLAND RETAINED - ASSUMED

PROTECTION DEVICES

SPECIMEN TREE PROTECTION SIGN

TYPE 1-BLAZE ORANGE FENCING
TYPE 3-EARTH DIKE COMBINATION

TYPE 4-SILT FENCE-COMBINATION

M:NCPPC	
PRINCE GEORGE'S COUNTY PLANNING DEPARTMENT	
ENVIRONMENTAL PLANNING SECTION	
APPROVAL	
TREE CONSERVATION PLAN	
TCP11 - 029 - 12	
APPROVED BY	DATE
INITIAL STAFF SIGNATURE	MEGAN K. REISER 1-31-13
01 REVISION	<i>Megan K. Reiser</i> 7/23/15
02 REVISION	
03 REVISION	
04 REVISION	

[illegible]

TREE CONSERVATION PLAN TYPE II

TREE CONSERVATION TYPE II
 WESTPHALIA TOWN CENTER

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

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	Page No. Plan No. Survey City/Town County

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NO.	REVISION	DATE	BY	CHKD BY	DESCRIPTION	REVISED TO MEET DSH-1247 RESOLUTION COMMENTS	DATE	BY	CHKD BY
01					RE-USE LDC AND PRESERVATION CLEARING AREA ASSOCIATED WITH THE CHASE		04/01/2012	SAW	SAW
02					RE-USE LDC TO MEET MINIMUM CLOSURE DATES 1/1/2013		04/01/2012	SAW	SAW
03					RE-USE LDC TO MEET MINIMUM CLOSURE DATES 1/1/2013		04/01/2012	SAW	SAW
04					RE-USE LDC TO MEET MINIMUM CLOSURE DATES 1/1/2013		04/01/2012	SAW	SAW
05					RE-USE LDC TO MEET MINIMUM CLOSURE DATES 1/1/2013		04/01/2012	SAW	SAW
06					RE-USE LDC TO MEET MINIMUM CLOSURE DATES 1/1/2013		04/01/2012	SAW	SAW
07					RE-USE LDC TO MEET MINIMUM CLOSURE DATES 1/1/2013		04/01/2012	SAW	SAW
08					RE-USE LDC TO MEET MINIMUM CLOSURE DATES 1/1/2013		04/01/2012	SAW	SAW
09					RE-USE LDC TO MEET MINIMUM CLOSURE DATES 1/1/2013		04/01/2012	SAW	SAW
10					RE-USE LDC TO MEET MINIMUM CLOSURE DATES 1/1/2013		04/01/2012	SAW	SAW
11					RE-USE LDC TO MEET MINIMUM CLOSURE DATES 1/1/2013		04/01/2012	SAW	SAW
12					RE-USE LDC TO MEET MINIMUM CLOSURE DATES 1/1/2013		04/01/2012	SAW	SAW
13					RE-USE LDC TO MEET MINIMUM CLOSURE DATES 1/1/2013		04/01/2012	SAW	SAW
14					RE-USE LDC TO MEET MINIMUM CLOSURE DATES 1/1/2013		04/01/2012	SAW	SAW
15					RE-USE LDC TO MEET MINIMUM CLOSURE DATES 1/1/2013		04/01/2012	SAW	SAW
16					RE-USE LDC TO MEET MINIMUM CLOSURE DATES 1/1/2013		04/01/2012	SAW	SAW
17					RE-USE LDC TO MEET MINIMUM CLOSURE DATES 1/1/2013		04/01/2012	SAW	SAW
18					RE-USE LDC TO MEET MINIMUM CLOSURE DATES 1/1/2013		04/01/2012	SAW	SAW
19					RE-USE LDC TO MEET MINIMUM CLOSURE DATES 1/1/2013		04/01/2012	SAW	SAW
20					RE-USE LDC TO MEET MINIMUM CLOSURE DATES 1/1/2013		04/01/2012	SAW	SAW
21					RE-USE LDC TO MEET MINIMUM CLOSURE DATES 1/1/2013		04/01/2012	SAW	SAW
22					RE-USE LDC TO MEET MINIMUM CLOSURE DATES 1/1/2013		04/01/2012	SAW	SAW
23					RE-USE LDC TO MEET MINIMUM CLOSURE DATES 1/1/2013		04/01/2012	SAW	SAW
24					RE-USE LDC TO MEET MINIMUM CLOSURE DATES 1/1/2013		04/01/2012	SAW	SAW
25					RE-USE LDC TO MEET MINIMUM CLOSURE DATES 1/1/2013		04/01/2012	SAW	SAW
26					RE-USE LDC TO MEET MINIMUM CLOSURE DATES 1/1/2013		04/01/2012	SAW	SAW
27					RE-USE LDC TO MEET MINIMUM CLOSURE DATES 1/1/2013		04/01/2012	SAW	SAW
28					RE-USE LDC TO MEET MINIMUM CLOSURE DATES 1/1/2013		04/01/2012	SAW	SAW
29					RE-USE LDC TO MEET MINIMUM CLOSURE DATES 1/1/2013		04/01/2012	SAW	SAW
30					RE-USE LDC TO MEET MINIMUM CLOSURE DATES 1/1/2013		04/01/2012	SAW	SAW
31					RE-USE LDC TO MEET MINIMUM CLOSURE DATES 1/1/2013		04/01/2012	SAW	SAW
32					RE-USE LDC TO MEET MINIMUM CLOSURE DATES 1/1/2013		04/01/2012	SAW	SAW
33					RE-USE LDC TO MEET MINIMUM CLOSURE DATES 1/1/2013		04/01/2012	SAW	SAW
34					RE-USE LDC TO MEET MINIMUM CLOSURE DATES 1/1/2013		04/01/2012	SAW	SAW
35					RE-USE LDC TO MEET MINIMUM CLOSURE DATES 1/1/2013		04/01/2012	SAW	SAW
36					RE-USE LDC TO MEET MINIMUM CLOSURE DATES 1/1/2013		04/01/2012	SAW	SAW
37					RE-USE LDC TO MEET MINIMUM CLOSURE DATES 1/1/2013		04/01/2012	SAW	SAW
38					RE-USE LDC TO MEET MINIMUM CLOSURE DATES 1/1/2013		04/01/2012	SAW	SAW
39					RE-USE LDC TO MEET MINIMUM CLOSURE DATES 1/1/2013		04/01/2012	SAW	SAW
40									

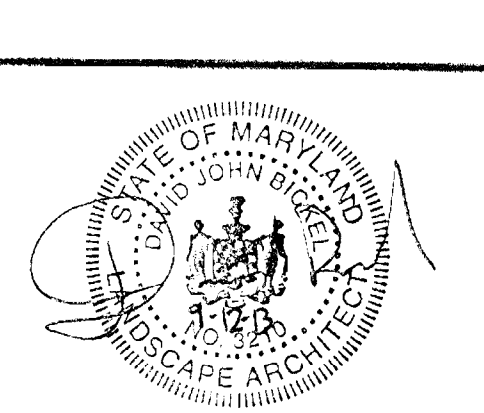
MISS UTILITY NOTE

INFORMATION CONCERNING EXISTING UNDERGROUND UTILITIES AND OBTAINED FROM A VARIETY OF SOURCES. THE CONTRACTOR MUST DETERMINE THE EXACT LOCATION AND ELEVATION OF ALL EXISTING UTILITIES AND UTILITY CROSSINGS BY DIGGING TEST PITS BY HAND, WELL IN ADVANCE OF THE START OF EXCAVATION. CONTACT MISS UTILITY AT 1-800-831-3747 (24 HOURS BEFORE THE START OF EXCAVATION). IF UTILITY ARE LESS THAN 48" DEEP ON THIS PLAN, THE UTILITY IS MARKED. A NON-DEEP EOC CONTACT THE ENGINEER AND THE UTILITY COMPANY. BEFORE PROCEEDING WITH ANY UTILITY, A UTILITY LESS THAN NOTED MAY REQUIRE REVISIONS TO THIS PLAN.

OWNER/DEVELOPER/APPLICANT
WALTON INVESTMENT DEVELOPMENT (USA) LLC
C/O WALTON DEVELOPMENT & MANAGEMENT (USA) INC.
11500 SUNRISE VALLEY DRIVE, SUITE 800
RESTON, VIRGINIA 20151

MOBILE: 940-532-2158
FAX: 888-813-6666
CONTACT: MELANIE B. GRAF P.E.

COPYRIGHT © THE MAP PEOPLE					
PERMITTED USE NUMBER 7000000					
MAP _____		GRID _____		F# _____	
T-1 MAP			DONALD L. BOGARD		
50	05	204 SE 04 F3 4			
51	F2				
55	01 E: F1		BAXX		
MISSISSIPPI RIVER					
205 SE 08, 206 SE 09					
207 SE 08, 207 SE 09					




 1" = 30'
 SHEET 53
 OF 57
 PROJECT NO. 16270300

19270000

P:\19270000\ENGINEER\ENV\TOPIL_53.sht Scale=30.0000 ft./in. User=gmitch PLTdrv=PDF, Grey, 150 dither PenMode=TEXT, Stippled, 5/16/2013, 11:56:44 A

A key map showing a grid of numbered locations (1-57) with a north arrow and a shaded area indicating a specific region. The map is oriented with North (N) at the top and a north arrow pointing towards the top right. The grid consists of numbered squares, with some squares containing additional markings or symbols. A shaded area is present in the lower right quadrant, covering squares 48, 49, 50, 51, 52, 53, 54, 55, 56, and 57. A line is drawn across the map, starting from square 1 and ending at square 57.

the authors are not aware of any other studies that investigate the relationship between the use of electronic means and the use of electronic means.

MATCHLINE SEE SHEET 55

WOODLAND/CLEARED
OFF-SITE
AREA 5/4 19 AC

SCALE: 1" = 30'

TREE CONSERVATION TYPE II
 WESTPHALIA TOWN CENTER

SHEET 54
OF 57
PROJECT NO.
10070200

03	RECEIVED LOG AND PRESERVATION, EARLY 1960s - ASSOCIATED WITH THE CHURCH	3470	05/15/2012
02	REMOVED TO MEET AND PC2 COMMISSIONS AND 1971-1972		
01	REMOVED TO MEET AND PC2 COMMISSIONS AND 1971-1972	6134	11/22/2011
01	REMOVED TO MEET CDP-12017 RESOLUTION DOCUMENTS	6481	11/13/2011
DATE	PC12017		
APRIL 2012	CAD STANDARDS VERSION 18 - 2010		
REMOVED	PC12017		CPK

OWNER/DEVELOPER/APPLICANT
WALTON ESTATE DEVELOPMENT USA, LLC
C/O WALTON DEVELOPMENT & MANAGEMENT USA, INC.
11830 SWIRSE VALLEY DRIVE, SUITE 300
RESTON, VIRGINIA 20191

MOBILE: 540-532-2158
FAX: 888-013-3566
CONTACT: MELANEE GRAF, P.E.

M-NOPD	
PRINCE GEORGES COUNTY PLANNING DEPARTMENT	
ENVIRONMENTAL PLANNING SECTION	
APPROVAL	
TREE CONSERVATION PLAN	
TCPII - 023 - 12	
APPROVED BY	DATE
INITIAL & SIGNATURE	MEGANK K. REISER 1-31-13
01 REVISION	<i>Megan K. Reiser</i> 7/22/13
02 REVISION	
03 REVISION	
04 REVISION	

[illegible]

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