

WOODLAND CONSERVATION SUMMARY TABLE										
SHEET	GROSS PROJECT AREA	100-YEAR FLOODPLAIN (FP)	NET TRACT AREA (NTA)	EXISTING WOODLAND (NTA)	EXISTING WOODLAND (FP)	WOODLAND CLEARED (C-NTA)	WOODLAND CLEARED (C-FP)	WOODLAND PRESERVED (WPA)	WOODLAND REFORESTED (WRA)	WOODLAND RETAINED/NOT CREDITED (WR-NC)
1	0.45	0.00	0.45	0.43	0.00	0.43	0.00	0.00	0.31	
TOTAL	0.45	0	0.45	0.43	0.00	0.43	0.00	0.00	0.31	

Woodland Conservation Worksheet
for Governmental Projects
in Prince George's County

Property Description or Subdivision Name: TCP2-021-04-01 Pennsy Drive Stormdrain

Zone: I-1, R-55
Gross Tract or Project Area: 0.45
Existing Woodland in Project Limits = WCT: 0.43
Woodland Cleared: 0.43
Total area of woodland cleared (subject to 1:1 replacement): 0.43
Off-Site Mitigation Provided (afforestation): 0.00
Off-Site Mitigation Provided (preservation): 0.00
Woodland Conservation Requirement: 0.43

Woodland Conservation Provided:
Woodland Preserved: 0.00
Afforestation/Reforestation: 0.31
Natural Regeneration: 0.00
Prior Credit for Off-site Mitigation: 0.00
Current Credit for Off-site Mitigation: 0.00
Off-site Mitigation provided (afforestation): 0.00
Off-site Mitigation provided (preservation): 0.00
Area Mitigated by Fee-in-Lieu (Priority Funding Area): 0.12 or
Area Mitigated by Fee-in-Lieu (Non-Priority Funding Area): 0.00 or
Total Woodland Conservation Provided: 0.43

Prepared by: License Number: 2014-06-25
Signed: Date:

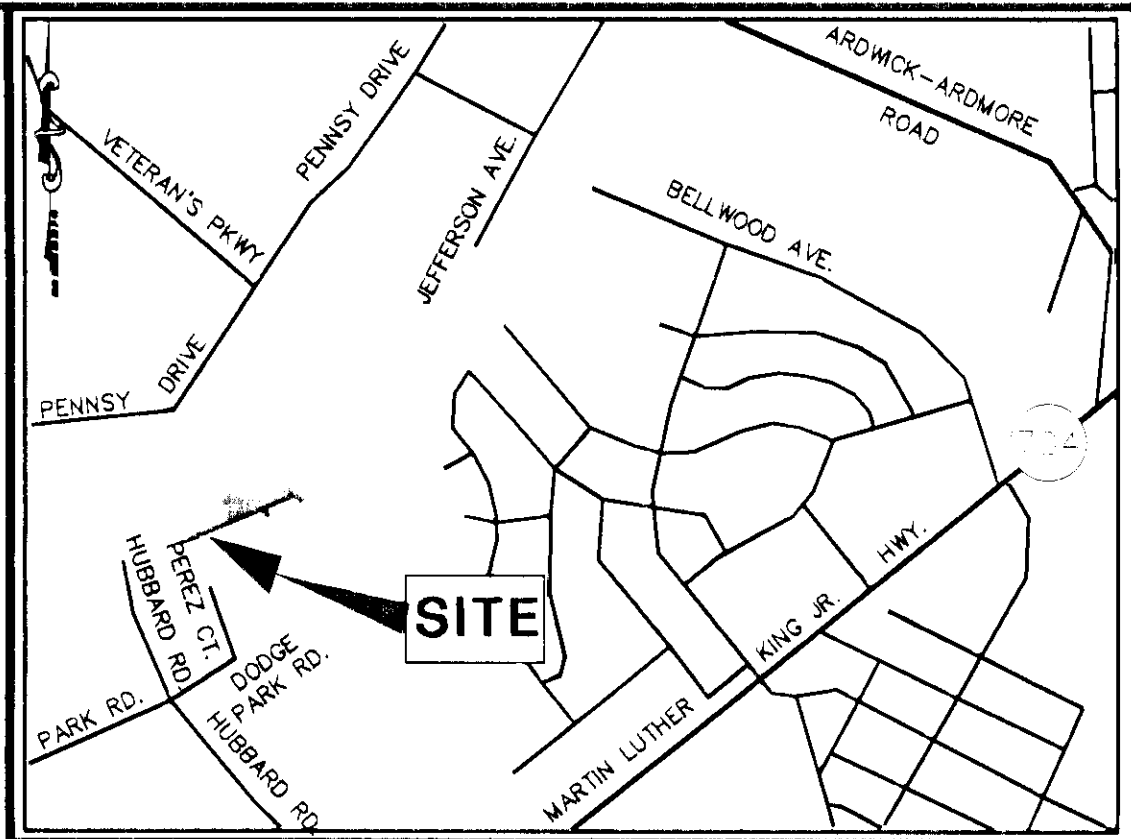
Revised: 1/14/2010

SOILS TABLE					
MAP UNIT SYMBOL	MAP UNIT NAME	K-FACTOR (WHOLE SOIL)	HYDRIC RATING	HYDROLOGIC SOIL GROUP	DRAINAGE CLASS
AND	ANNAPOLIS-URBAN LAND COMPLEX	0.28	NOT HYDRIC	B	WELL DRAINED
CcD	CHRISTIANA-DOWNER COMPLEX	0.49	NOT HYDRIC	C	MODERATELY WELL DRAINED
CcE	CHRISTIANA-DOWNER COMPLEX	0.49	NOT HYDRIC	C	MODERATELY WELL DRAINED
RuB	RUSSETT-CHRISTIANA-URBAN LAND COMPLEX		NOT HYDRIC	C	MODERATELY WELL DRAINED

NOTE: GENERALLY, ROOT PRUNING AND TREE PROTECTION FENCE ARE LOCATED AT THE LIMIT OF DISTURBANCE. THEREFORE, THE LAYOUT OF LINES DEPICTING TREE PROTECTION FENCE AND ROOT PRUNING IS DIAGNOSTIC AND FOR REFERENCE ONLY. PLEASE REFER TO THE STRESS REDUCTION DETAIL FOR MORE INFORMATION.

THIS PLAN IS FOR TREE PROTECTION/FOREST CONSERVATION PLAN PURPOSES ONLY

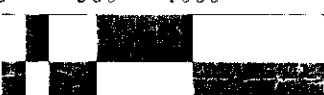
DO NOT INSTALL TREES WITHIN BIORETENTION FACILITY. INSTALL SHRUB PLANTINGS ONLY.



VICINITY MAP

1"=1000'

GRAPHIC SCALE



SCALE: 1"=1000'

LEGEND

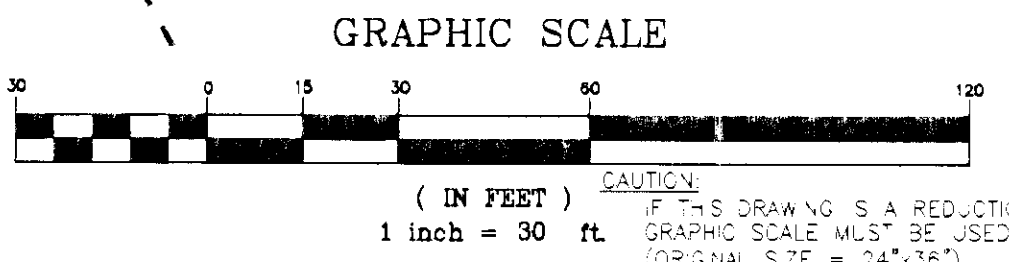
- STEEP SLOPES (15% OR GREATER)
- EXISTING TREE LINE
- PROPERTY BOUNDARY
- SOILS BOUNDARY
- WOODLAND REFORESTATION/AFFORESTATION AREA (WRA)
- TREE PROTECTION FENCING (TEMPORARY)
- SILT FENCE
- SUPER SILT FENCE
- LIMITS OF DISTURBANCE
- STABILIZED CONSTRUCTION ENTRANCE
- INLET PROTECTION
- TEMP. STONE OUTLET STRUCTURE
- ROOT PRUNING

WOODLAND CLEARED & NOT REFORESTED WITHIN 15' WIDE EXISTING STORM DRAIN EASEMENT
0.12 AC. OR 5,199 SF

RuB
CcE

WOODLAND REFORESTATION AREA (WRA) A
0.31 AC. OR 13,469 SF

DODGE PARK HOMEOWNERS ASSOCIATION
P.B. 217 P. 19
TCP1-030-04
TCP2-011-05



PROPERTY OWNERS AWARENESS CERTIFICATE

I/WE, PRINCE GEORGE'S COUNTY DEPARTMENT OF ENVIRONMENTAL RESOURCES HEREBY ACKNOWLEDGE THAT WE ARE AWARE OF THIS TYPE 2 TREE CONSERVATION PLAN (TCP2) AND THAT WE UNDERSTAND THE REQUIREMENTS AS SET FORTH IN THIS TCP2.

OWNER OR OWNERS REPRESENTATIVE: DATE: 7/11/14

QUALIFIED PROFESSIONAL CERTIFICATION

THIS COMPLIES WITH THE CURRENT REQUIREMENTS OF PRINCE GEORGE'S COUNTY CODE AND THE ENVIRONMENTAL TECHNICAL MANUAL.

SIGNED: ANDREW E. STREAGLE - MD RLA #3381
A. MORTON THOMAS & ASSOCIATES, INC.
12750 TWINBROOK PARKWAY
ROCKVILLE, MD 20852



WINDPRO
PRINCE GEORGE'S PLANNING DEPARTMENT
ENVIRONMENTAL PLANNING SECTION
TREE CONSERVATION PLAN

APPROVAL

TCP2-021-04-01

DATE: 8/30/09

DATE: 8/15/14

DATE: 7/11/14

DATE: 7/11/14

DATE: 7/11/14

DATE: 7/11/14

DATE: 7/11/14

DATE: 7/11/14

DATE: 7/11/14

AS BUILT DATA

CONTRACT NO.
CONTRACTOR
INSPECTOR
DATE FINALED
FINALED BY

DATE REVISIONS

DATE REVISIONS

DEPARTMENT OF ENVIRONMENTAL RESOURCES
ENVIRONMENTAL SERVICES DIVISION
PRINCE GEORGE'S COUNTY, MARYLAND

ASSOCIATE DIRECTOR
DATE: JUNE 2014

SCALE: 1" = 30'

DWG 1 OF 3

APPROVED: DATE: 7/11/14

DESIGNED: PCZ

DRAWN: AMT-CAD

CHECKED BY: SJR

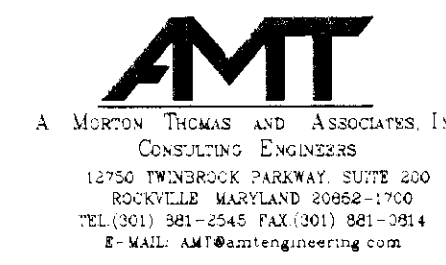
PROJECT MANAGER

JOB No. 105-161.102E

C.I.P.

DER-2012-0012

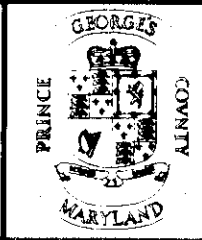
CONTRACT NO.



MISS UTILITY
48 HOURS BEFORE YOU DIG
CALL "MISS UTILITY" AT 811
OR LOG ON TO www.missutility.net

CALL "MISS UTILITY" AT 1-800-257-7777, 48 HOURS PRIOR TO THE START OF WORK. THE EXCAVATOR MUST NOTIFY ALL PUBLIC UTILITY COMPANIES WITH UNDERGROUND FACILITIES IN THE AREA OF PROPOSED EXCAVATION AND HAVE THOSE FACILITIES LOCATED BY THE UTILITY COMPANIES PRIOR TO COMMENCING EXCAVATION. THE EXCAVATOR IS RESPONSIBLE FOR COMPLIANCE WITH REQUIREMENTS OF THE PRINCE GEORGE'S COUNTY CODE.

DEPARTMENT OF ENVIRONMENTAL RESOURCES



CAPITAL PROJECTS SECTION
SUSTAINABILITY SERVICES DIVISION
PRIORITY III PROJECT

PENNSY DRIVE STORM DRAINAGE REHABILITATION PROJECT

PRINCE GEORGE'S COUNTY

MARYLAND

TREE CONSERVATION PLAN

F-1

TREE PRESERVATION AND RETENTION NOTES:

- 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 REVISED TREE CONSERVATION PLAN IS REQUIRED PRIOR TO CLEARING WOODLAND AREAS THAT ARE NOT SPECIFICALLY IDENTIFIED TO BE CLEARED ON THE APPROVED TOP2.
- TREE AND WOODLAND CONSERVATION METHODS SUCH AS ROOT PRUNING SHALL BE CONDUCTED AS NOTED ON THIS PLAN.
- THE LOCATION OF ALL TEMPORARY TREE PROTECTION FENCING (TPFs) SHOWN ON THIS PLAN SHALL BE FLAGGED OR STAKED IN THE FIELD PRIOR TO THE PRE-CONSTRUCTION MEETING. UPON APPROVAL OF THE LOCATIONS BY THE COUNTY INSPECTOR, INSTALLATION OF THE TPFs MAY BEGIN.
- 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 THIS PROJECT. FAILURE TO INSTALL AND MAINTAIN TEMPORARY OR PERMANENT TREE PROTECTIVE DEVICES IS A VIOLATION OF THIS TOP2.
- 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 PERPETUITY.

REMOVAL OF HAZARDOUS TREES OR LIMBS BY DEVELOPERS OR BUILDERS:

- THE DEVELOPER AND/OR BUILDER IS RESPONSIBLE FOR THE COMPLETE PRESERVATION OF ALL FORESTED AREAS SHOWN ON THE APPROVED PLAN TO REMAIN UNDISTURBED. ONLY TREES OR PARTS THEREOF DESIGNATED BY THE COUNTY AS DEAD, DYING, OR HAZARDOUS MAY BE REMOVED.
- 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.
- 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 DEVELOPER SHALL REMOVE SUCH TREES USING A CHAINSAW. 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 SPROUTING.
- 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 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 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 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 DAMAGE.

IF CORRECTIVE PRUNING MAY ALLEVIATE A HAZARDOUS CONDITION, THE CERTIFIED ARBORIST OR LICENSED TREE EXPERT MAY PROCEED WITHOUT FURTHER AUTHORIZATION. THE PRUNING MUST BE DONE IN ACCORDANCE WITH THE LATEST EDITION OF THE APPROPRIATE ANSI A-300 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 35 FEET OF THE WOODLAND EDGE MAY BE REMOVED AND PROPERLY DISPOSED OF BY RECYCLING, CHIPPING OR OTHER ACCEPTABLE METHODS. ALL DEBRIS THAT IS MORE THAN 35 FEET FROM THE WOODLAND EDGE SHALL BE CUT UP TO ALLOW CONTACT WITH THE GROUND, THUS ENCOURAGING DECOMPOSITION. THE SMALLER MATERIALS SHALL BE PLACED INTO BRUSH PILES THAT WILL SERVE AS WILDLIFE HABITAT.

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 APPROVED LIMITS OF DISTURBANCE ON A TOP2. THE WORK IS REQUIRED TO BE CONDUCTED BY A LICENSED TREE EXPERT.

AFFORESTATION AND REFORESTATION NOTES:

- ALL AFFORESTATION AND REFORESTATION BONDS, BASED ON SQUARE FOOTAGE, SHALL BE POSTED WITH THE COUNTY PRIOR TO THE ISSUANCE OF ANY PERMITS. THESE BONDS WILL BE RETAINED AS SURETY UNTIL ALL REQUIRED ACTIVITIES HAVE BEEN SATISFIED OR THE REQUIRED TIMEFRAME FOR MAINTENANCE HAS PASSED, WHICHEVER IS LONGER.
- THE PLANTING OF AFFORESTATION OR REFORESTATION AREAS SHALL BE COMPLETED PRIOR TO ISSUANCE OF THE FIRST BUILDING PERMIT. SEEDLING PLANTING IS TO OCCUR FROM MARCH THROUGH NOVEMBER ONLY. NO PLANTING SHALL BE DONE WHILE GROUND IS FROZEN. PLANTING OF LARGER CALIPER STOCK OR CONTAINERIZED STOCK MAY BE DONE AT ANY TIME PROVIDED A DETAILED MAINTENANCE SCHEDULE IS PROVIDED.
- IF PLANTING CANNOT OCCUR DUE TO PLANTING CONDITIONS, THE DEVELOPER OR PROPERTY OWNER SHALL INSTALL THE FENCING AND SIGNAGE IN ACCORDANCE WITH THE APPROVED TYPE 2 TREE CONSERVATION PLAN. PLANTING SHALL THEN BE ACCOMPLISHED DURING THE NEXT PLANTING SEASON. IF PLANTING IS DELAYED BEYOND THE TRANSFER OF THE PROPERTY TITLE TO THE HOMEOWNER, THE DEVELOPER OR BUILDER SHALL OBTAIN A SIGNED STATEMENT FROM THE PURCHASER INDICATING THAT THEY UNDERSTAND THAT THE REFORESTATION AREA IS LOCATED ON THEIR PROPERTY AND THAT REFORESTATION WILL OCCUR DURING THE NEXT PLANTING SEASON. A COPY OF THAT DOCUMENT SHALL BE PRESENTED TO THE GRADING INSPECTOR AND THE COUNTY.
- REFORESTATION AREAS SHALL NOT BE MOWED; HOWEVER, THE MANAGEMENT OF COMPETING VEGETATION AROUND INDIVIDUAL TREES AND REMOVAL OF NOXIOUS, INVASIVE, AND NON-NATIVE VEGETATION WITHIN THE REFORESTATION AREAS IS ACCEPTABLE.
- ALL REQUIRED TEMPORARY TREE PROTECTION FENCING SHALL BE INSTALLED PRIOR TO THE CLEARING AND GRADING OF THE SITE AND SHALL REMAIN IN PLACE UNTIL THE PERMANENT TREE PROTECTION FENCING IS INSTALLED WITH THE REQUIRED PLANTING. THE TEMPORARY FENCING IS NOT REQUIRED TO BE INSTALLED IF THE PERMANENT FENCING IS INSTALLED PRIOR TO CLEARING AND GRADING OF THE SITE. FAILURE TO INSTALL AND MAINTAIN TEMPORARY OR PERMANENT TREE PROTECTIVE FENCING IS A VIOLATION OF THIS TOP2.

- AFFORESTATION / REFORESTATION AREAS SHALL BE POSTED WITH NOTIFICATION SIGNAGE AS SHOWN ON THE PLANS. AT THE SAME TIME AS THE PERMANENT PROTECTION FENCING INSTALLATION, THESE SIGNS SHALL REMAIN IN PERPETUITY.
- THE COUNTY INSPECTOR SHALL BE NOTIFIED PRIOR TO SOIL PREPARATION OR INITIATION OF ANY TREE PLANTING ON THIS SITE.
- AT THE TIME OF ISSUANCE OF THE FIRST PERMIT, THE FOLLOWING INFORMATION SHALL BE SUBMITTED TO THE M-NCPPC PLANNING DEPARTMENT REGARDING THE CONTRACTOR RESPONSIBLE FOR IMPLEMENTATION OF THIS PLAN: CONTRACTOR NAME, BUSINESS NAME (IF DIFFERENT), ADDRESS, AND PHONE NUMBER.
- RESULTS OF ANNUAL SURVIVAL CHECKS FOR EACH OF THE REQUIRED FOUR YEARS AFTER TREE PLANTING SHALL BE REPORTED TO THE M-NCPPC PLANNING DEPARTMENT.
- FAILURE TO ESTABLISH THE AFFORESTATION OR REFORESTATION WITHIN THE PRESCRIBED TIME FRAME WILL RESULT IN FORFEITURE OF THE REFORESTATION BOND AND/OR A VIOLATION OF THIS PLAN INCLUDING THE ASSOCIATED \$9.00 PER SQUARE FOOT PENALTY, UNLESS THE COUNTY INSPECTOR APPROVES A WRITTEN EXTENSION.

PLANTING SPECIFICATION NOTES:

- QUANTITY: (SEE PLANT SCHEDULE).
- TYPE: (SEE PLANT SCHEDULE).
- PLANT QUALITY STANDARDS: THE PLANTS SELECTED SHALL BE HEALTHY AND STURDY REPRESENTATIVES OF THEIR SPECIES. SEEDLINGS SHALL HAVE A MINIMUM TOP GROWTH OF 18". THE DIAMETER OF THE ROOT COLLAR (THE PART OF THE ROOT JUST BELOW GROUND) SHALL BE AT LEAST 3/8". THE ROOTS SHALL BE WELL DEVELOPED AND AT LEAST 8" LONG. NO MORE THAN TWENTY-FIVE PERCENT (25%) OF THE ROOT SYSTEM (BOTH PRIMARY AND AUXILIARY / FIBROUS ROOTS) SHALL BE PRESENT.

PLANTS THAT DO NOT HAVE AN ABUNDANCE OF WELL DEVELOPED TERMINAL BUDS ON THE LEADERS AND BRANCHES SHALL BE REJECTED.

PLANTS SHALL BE SHIPPED BY THE NURSERY IMMEDIATELY AFTER LIFTING FROM THE FIELD OR REMOVAL FROM THE GREENHOUSE, AND PLANTED IMMEDIATELY UPON RECEIPT BY THE LANDSCAPE CONTRACTOR.

IF THE PLANTS CANNOT BE PLANTED IMMEDIATELY AFTER DELIVERY TO THE REFORESTATION SITE, THEY SHALL BE STORED IN THE SHADE WITH THEIR ROOT MASSES PROTECTED FROM DIRECT EXPOSURE TO SUN AND WIND BY THE USE OF STRAW, PEAT MOSS, COMPOST, OR OTHER SUITABLE MATERIAL AND SHALL BE MAINTAINED THROUGH PERIODIC WATERING UNTIL THE TIME OF PLANTING.

- PLANT HANDLING: THE QUANTITY OF THE SEEDLINGS TAKEN TO THE FIELD SHALL NOT EXCEED THE QUANTITY THAT CAN BE PLANTED IN A DAY. SEEDLINGS, ONCE REMOVED FROM THE NURSERY OR TEMPORARY STORAGE AREA SHALL BE PLANTED IMMEDIATELY.
- TIMING OF PLANTING: THE BEST TIME TO PLANT SEEDLINGS IS WHILE THEY ARE DORMANT, PRIOR TO SPRING BUDDING. THE MOST SUITABLE MONTHS FOR PLANTING ARE MARCH AND APRIL, WHEN SOIL IS MOIST, BUT MAY BE PLANTED FROM MARCH THROUGH NOVEMBER. NO PLANTING SHALL BE DONE WHILE THE GROUND IS FROZEN. PLANTING SHALL OCCUR WITHIN ONE GROWING SEASON OF THE ISSUANCE OF GRADING / BUILDING PERMITS AND/OR REACHING THE FINAL GRADES AND STABILIZATION OF PLANTING AREAS.
- SEEDLING PLANTING: TREE SEEDLINGS SHALL BE HAND PLANTED USING A DIBBLE BAR OR SHARP SHOOTER SHOVEL. IT IS IMPORTANT THAT THE SEEDLINGS BE PLACED IN THE HOLE SO THAT THE ROOTS CAN SPREAD OUT NATURALLY. THEY SHOULD NOT BE TWISTED, BALLED UP OR BENT. MOST SOIL SHOULD THEN BE PACKED FIRMLY AROUND THE ROOTS. SEEDLINGS SHOULD BE PLANTED AT A DEPTH WHERE THEIR ROOTS LIE JUST BELOW THE GROUND SURFACE. AIR POCKETS SHOULD NOT BE LEFT AFTER CLOSING THE HOLE, WHICH WOULD ALLOW THE ROOTS TO DRY OUT. SEE PLANTING DETAILS FOR FURTHER EXPLANATION. IF THE CONTRACTOR WISHES TO PLANT BY ANOTHER METHOD, THE PREPARER OF THIS TREE CONSERVATION PLAN MUST BE CONTACTED AND GIVE HIS APPROVAL BEFORE PLANTING MAY BEGIN.
- SPACING: SEE PLANT SCHEDULE AND/OR PLANTING PLAN FOR SPACING REQUIREMENTS. ALSO REFER TO THE PLANTING LAYOUT DETAIL FOR A DESCRIPTION OF THE GENERAL PLANTING THEORY.
- SOIL: UPON THE COMPLETION OF ALL GRADING OPERATIONS, A SOIL TEST SHALL BE CONDUCTED TO DETERMINE WHAT SOIL PREPARATION AND SOIL AMENDMENTS, IF ANY, ARE NECESSARY TO CREATE GOOD TREE GROWING CONDITIONS. SOIL SAMPLES SHALL BE TAKEN AT A RATE THAT PROVIDES ONE SOIL SAMPLE FOR EACH AREA THAT APPEARS TO HAVE A DIFFERENT SOIL TYPE. IF THE ENTIRE AREA APPEARS UNIFORM, THEN ONLY ONE SAMPLE IS NECESSARY, AND SUBMITTED FOR TESTING TO A PRIVATE COMPANY. THE COMPANY OF CHOICE SHALL MAKE RECOMMENDATIONS FOR IMPROVING THE EXISTING SOIL. THE SOIL WILL BE TESTED AND RECOMMENDATIONS FOR CORRECTIONS OF SOIL TEXTURE, PH, MAGNESIUM, PHOSPHORUS, POTASSIUM, CALCIUM AND ORGANIC MATTER.
- SOIL IMPROVEMENT MEASURES: THE SOIL SHALL THEN BE IMPROVED ACCORDING TO THE RECOMMENDATIONS MADE BY THE TESTING COMPANY.
- FENCING AND SIGNAGE: FINAL PROTECTIVE FENCING SHALL BE PLACED ON THE VISIBLE AND/OR DEVELOPMENT SIDE OF PLANTING AREAS. THE FINAL PROTECTIVE FENCE SHALL BE INSTALLED UPON COMPLETION OF PLANTING OPERATIONS UNLESS IT WAS INSTALLED DURING THE INITIAL STAGES OF DEVELOPMENT. SIGNS SHALL BE POSTED PER THE SIGNAGE DETAIL ON THIS SHEET.
- PLANTING METHOD: CONSULT THE PLANTING DETAIL(S) SHOWN ON THIS PLAN.
- MULCHING: APPLY TWO-INCH THICK LAYER OF WOODCHIP OR SHREPPED HARDWOOD MULCH (AS NOTED) TO EACH PLANTING SITE (SEE DETAIL SHOWN ON THIS PLAN).
- GROUND COVER ESTABLISHMENT: THE REMAINING DISTURBED AREA BETWEEN SEEDLINGS PLANTING SITES SHALL BE SEEDED AND STABILIZED WITH WHITE CLOVER SEED AT THE RATE OF 5 LBS/ACRE.
- MOWING: NO MOWING SHALL BE ALLOWED IN ANY PLANTING AREA.
- SURVIVAL CHECK FOR BOND RELEASE: THE SEEDLING PLANTING IS TO BE CHECKED AT THE END OF EACH YEAR FOR FOUR YEARS TO ASSURE THAT NO LESS THAN 75% OF THE ORIGINAL PLANTED QUANTITY SURVIVES. IF THE MINIMUM NUMBER HAS NOT BEEN PROVIDED, THE AREA MUST BE SUPPLEMENTED WITH ADDITIONAL SEEDLINGS TO REACH THE REQUIRED NUMBER AT TIME OF PLANTING.

- SOURCE OF SEEDLINGS: TBD. PLANTING STOCK SEED SOURCE SHALL BE FROM WITHIN THE GEOGRAPHIC REGION SUITED FOR GROWTH IN PRINCE GEORGES COUNTY, MARYLAND.
- CONTRACTOR SHALL REMOVE AND PROPERLY DISPOSE OF SOIL CONTAMINATED WITH OIL PRODUCTS, SOLUBLE SALTS, FERROUS IRON, SOLUBLE ALUMINUM, SOLUBLE MANGANESE, OR HERBICIDE.

FOUR-YEAR MANAGEMENT PLAN FOR RE/AFFORESTATION AREAS:

FIELD CHECK THE RE/AFFORESTATION AREA ACCORDING TO THE FOLLOWING SCHEDULE:

- | | |
|-----------|---|
| YEAR 1: | SITE PREPARATION AND TREE PLANTING

SURVIVAL CHECK ONCE ANNUALLY (SEPTEMBER - NOVEMBER) (SEE NOTE 1)

WATERING IS NEEDED (2X / MONTH)

CONTROL OF UNDESIRABLE VEGETATION AS NEEDED (1X IN JUNE AND 1X IN SEPTEMBER / MN.) |
| YEAR 2-3: | REINFORCEMENT PLANTING IF NEEDED (SEE NOTE 2)

SURVIVAL CHECK ONCE ANNUALLY (SEPTEMBER - NOVEMBER)
CONTROL OF UNDESIRABLE VEGETATION IF NEEDED (1X IN MAY AND 1X IN AUGUST / MN.) |
| YEAR 4: | REINFORCEMENT PLANTING IF NEEDED (SEE NOTE 2)

SURVIVAL CHECK (SEPTEMBER - NOVEMBER) |
| NOTES: | 1. SURVIVAL CHECK: CHECK PLANTED STOCK AGAINST PLANT LIST (OR AS-BUILT) BY WALKING THE SITE AND TAKING INVENTORY. PLANTS MUST SHOW VITALITY. SUBMIT FIELD DATA FORMS (CONDITION TO SHEETS) TO OWNER AFTER EACH INSPECTION. REMOVE ALL DEAD PLANTS.

2. REINFORCEMENT PLANTING: REPLACE DEAD OR MISSING PLANTS IN SUFFICIENT QUANTITY TO BRING THE TOTAL NUMBER OF LIVE PLANTS TO AT LEAST 75% OF THE NUMBER ORIGINALLY PLANTED. IF A PARTICULAR SPECIES SUFFERS UNUSUALLY HIGH MORTALITY, REPLACE WITH AN ALTERNATIVE PLANT TYPE.

3. MISCELLANEOUS: FERTILIZATION OR WATERING DURING YEARS 1 THROUGH 3 WILL BE DONE ON AN AS NEEDED BASIS. SPECIAL RETURN OPERATIONS OR RECOMMENDATIONS WILL BE CONDUCTED ON AN AS NEEDED BASIS. |

OFF-SITE WOODLAND CONSERVATION NOTE:

PRIOR TO ISSUANCE OF THE FIRST PERMIT FOR THE DEVELOPMENT SHOWN ON THIS TOP2, ALL OFF-SITE WOODLAND CONSERVATION REQUIRED BY THIS PLAN SHALL BE IDENTIFIED ON AN APPROVED TOP2 PLAN AND RECORDED AS AN OFF-SITE EASEMENT IN THE LAND RECORDS OF PRINCE GEORGES COUNTY. PROOF OF RECORDATION OF THE OFF-SITE CONSERVATION SHALL BE PROVIDED TO THE M-NCPPC PLANNING DEPARTMENT PRIOR TO ISSUANCE OF ANY PERMIT FOR THE ASSOCIATED PLAN.

POST DEVELOPMENT NOTES:

- 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 GEORGES 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 WOODLAND CONSERVATION AREAS IS NOT PERMITTED.
- IF A TREE OR PORTIONS THEREOF ARE IN IMMINENT 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 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 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 TOP2. THE WORK IS REQUIRED TO BE CONDUCTED BY A LICENSED TREE EXPERT.
- 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 CHAINSAW). 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.
- THE USE OF BROADCAST SPRAYING OF HERBICIDES IS NOT PERMITTED. HOWEVER, THE USE OF HERBICIDES TO DISCOURAGE RESPROUTING 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 HERBICIDE SHALL BE DONE IN ACCORDANCE WITH THE LABEL INSTRUCTIONS.
- 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.

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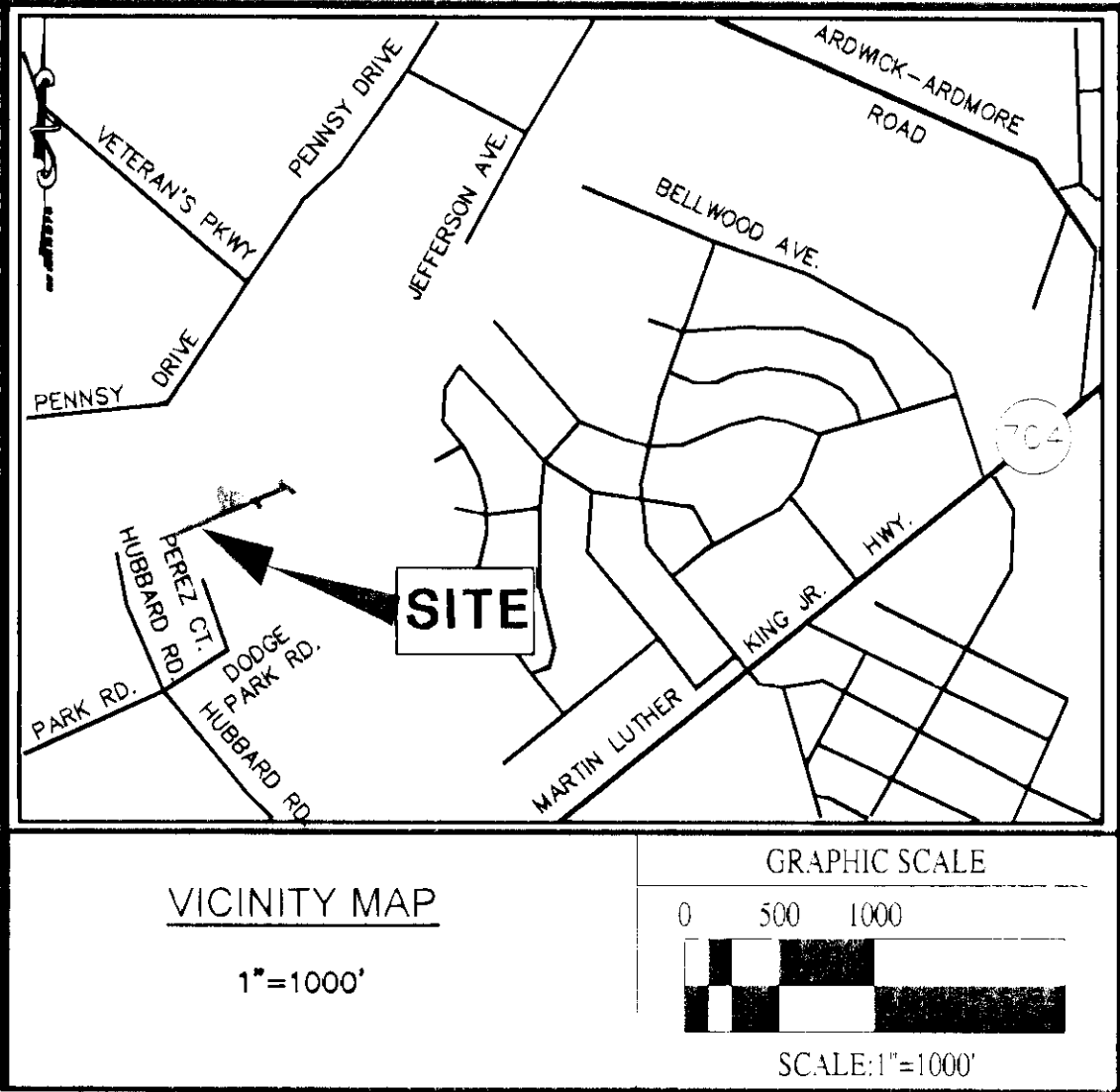
REFORESTATION/AFFORESTATION PLANTING GENERAL NOTES:

- CALL MISS UTILITY AT 811 OR 1-800-257-7777 TO MARK UTILITIES AT LEAST 48 HOURS BEFORE DIGGING.
- ALL MATERIALS AND PLANTING PROCEDURES EXCEPT AS OTHERWISE NOTED SHALL CONFORM TO THE LATEST EDITION OF "LANDSCAPE SPECIFICATION GUIDELINES" BY THE LANDSCAPE CONTRACTORS ASSOCIATION MD-DCA-VA.

- PLANTS SHALL CONFORM TO THE CURRENT EDITION OF THE "AMERICAN STANDARD FOR NURSERY STOCK" (ANSI Z60.1).
- PLANT NAMES SHALL BE THOSE GIVEN IN THE LATEST EDITION OF "STANDARD PLANT NAMES" AMERICAN COMMITTEE ON HORTICULTURAL NOMENCLATURE.
- TOPSOIL SHALL MEET SPECIFICATIONS AS PER THE 1994 MD STANDARDS AND SPECIFICATIONS FOR SOIL AND EROSION AND SEDIMENT CONTROL.
- THE CONTRACTOR SHALL STAKE OUT ALL PLANTING BEDS AND TREE LOCATIONS AND THESE MUST BE APPROVED BY THE LANDSCAPE ARCHITECT BEFORE DIGGING. IT IS THE CONTRACTOR'S RESPONSIBILITY TO LOCATE AND COORDINATE PLANTINGS WITH ALL EXISTING UTILITIES. IF DISCREPANCIES OCCUR BECAUSE OF UTILITY LOCATIONS OR OTHER EXISTING CONDITIONS, THE CONTRACTOR SHALL NOTIFY THE LANDSCAPE ARCHITECT IMMEDIATELY TO COORDINATE ANY NECESSARY ADJUSTMENTS.
- ALL PLANT MATERIAL SHALL BE LABELED BY THE NURSERY AND DELIVERED WITH LABELS IN PLACE FOR INSPECTION. SUBSTITUTIONS IN PLANT SPECIES OR SIZE WILL NOT BE PERMITTED EXCEPT WITH THE APPROVAL OF THE LANDSCAPE ARCHITECT. PRUNING IS NOT TO OCCUR UNTIL MATERIAL HAS BEEN PLANTED. CONTRACTOR SHALL PRUNE PLANT MATERIAL AS SOON THEREAFTER AS IS ADVISABLE UNDER STANDARD HORTICULTURAL PRACTICES.
- IT IS OF UTMOST IMPORTANCE THAT ALL PLANT MATERIAL BE SET SLIGHTLY HIGHER IN RELATION TO GRADE THAN IT WAS GROWN IN THE NURSERY AND WITH GOOD EARTH TO ROOT CONTACT. ANY MATERIALS OR WORK MAY BE REJECTED BY THE LANDSCAPE ARCHITECT IF IT DOES NOT MEET THIS OR ANY OTHER REQUIREMENT OF THE SPECIFICATIONS, AND REJECTED MATERIALS SHALL BE REMOVED FROM THE SITE BY THE CONTRACTOR AT CONTRACTOR'S EXPENSE.
- THE CONTRACTOR SHALL MULCH AND WATER ALL PLANTS WELL ON THE DAY THEY ARE PLANTED. THE SURFACE MULCH LAYER SHALL CONSIST OF STANDARD FINE SHREDDED AGED HARDWOOD MULCH. THE CONTRACTOR SHALL APPLY THE MULCH UNIFORMLY TO A 2 TO 3 INCH DEPTH. BARK SHALL BE KEPT 3 TO 4 INCHES AWAY FROM ALL TRUNKS AND WOODY STEMS.
- IN CASE OF DISCREPANCIES BETWEEN QUANTITIES ON THE PLANT LIST AND THE PLAN, THE PLAN SHALL GOVERN.
- ANY PLANTING WITHIN A FOREST RETENTION AREA, AS DESIGNATED ON THE FOREST CONSERVATION PLAN AND SHOWN ON THIS PLAN, MUST BE DONE TO AVOID ANY ADVERSE IMPACT TO THE ROOTS OF EXISTING TREES. THE CONTRACTORS PERFORMING WORK ON THE SITE ARE RESPONSIBLE FOR PROTECTING EXISTING NATIVE AND NON-INVASIVE PLANTINGS DURING CONSTRUCTION.
- REFORESTATION/AFFORESTATION STOCKING RATE SHALL BE 300 - 1 CAL. TREES/AC AND 100 - 3 GAL. SHRUBS/AC.
- SURVIVAL RATE OF REFORESTATION/AFFORESTATION PLANTING SHALL BE 85% AT THE END OF THE SECOND GROWING SEASON.

GENERAL NOTES:

- THIS PLAN IS SUBMITTED TO FULFILL THE WOODLAND CONSERVATION REQUIREMENTS FOR PLAN # TOP2-021-04-01. IF PLAN # TOP2-021-04-01 EXPIRES, THEN THIS TOP2 ALSO EXPIRES AND IS NO LONGER VALID.
- 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 \$9.00 PER SQUARE FOOT MITIGATION FEE.
- 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.
- 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.
- THE OWNERS OF THE PROPERTY SUBJECT TO THIS TREE CONSERVATION PLAN ARE SOLELY RESPONSIBLE FOR CONFORMANCE TO THE REQUIREMENTS CONTAINED HEREIN.
- THE PROPERTY IS WITHIN THE DEVELOPED TIER AND IS ZONED I-1 & R-55.
- THERE ARE NO SCENIC OR HISTORIC ROADS LOCATED ON OR ADJACENT TO THIS PROPERTY.
- THE SITE IS NOT ADJACENT TO A ROADWAY CLASSIFIED AS ARTERIAL OR GREATER.



- LEGEND**
- STEEP SLOPES (15% OR GREATER)
 - EXISTING TREE LINE
 - PROPERTY BOUNDARY
 - SOILS BOUNDARY
 - WOODLAND REFORESTATION/AFFORESTATION AREA (WRA)
 - TPF TREE PROTECTION FENCING (TEMPORARY)
 - SILT FENCE
 - SUPER SILT FENCE
 - LIMITS OF DISTURBANCE
 - STABILIZED CONSTRUCTION ENTRANCE
 - INLET PROTECTION
 - TEMP. STONE OUTLET STRUCTURE
 - ROOT PRUNING

•••••••••• ROOT PRUNING

AS BUILT DATA	
CONTRACT NO.	
CONTRACTOR	
INSPECTOR	
DATE FINALED	
FINALED BY	
DATE	REVISIONS
DEPARTMENT OF ENVIRONMENTAL RESOURCES	
ENVIRONMENTAL SERVICES DIVISION	
PRINCE GEORGES COUNTY, MARYLAND	
	JUNE 2014
ASSOCIATE DIRECTOR	DATE
SCALE: NTS	DWG 2 OF 3
APPROVED	7/11/14
DESIGNED: PCZ	
DRAWN: AMT-CAD	
CHECKED BY: SJR	
	C.I.P.
PROJECT MANAGER	DER-2012-0012
JOB No. 105-161.102E	CONTRACT NO.

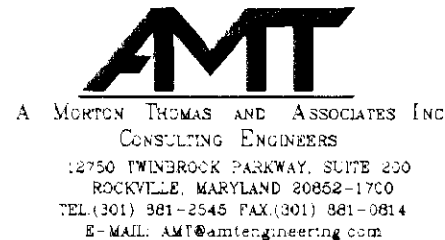
DEPARTMENT OF ENVIRONMENTAL RESOURCES



CAPITAL PROJECTS SECTION
SUSTAINABILITY SERVICES DIVISION
PRIORITY III PROJECT

PENNSY DRIVE STORM
DRAINAGE REHABILITATION
PROJECT
PRINCE GEORGE'S COUNTY, MARYLAND

TREE CONSERVATION PLAN
F-2



CALL "MISS UTILITY AT 1-800-257-7777, 48 HOURS PRIOR TO THE START OF WORK. THE EXCAVATOR MUST NOTIFY ALL PUBLIC UTILITY COMPANIES WITH UNDERGROUND FACILITIES IN THE AREA OF PROPOSED EXCAVATION AND HAVE THOSE FACILITIES LOCATED BY THE UTILITY COMPANIES PRIOR TO COMMENCING EXCAVATION. THE EXCAVATOR IS RESPONSIBLE FOR COMPLIANCE WITH REQUIREMENTS OF THE PRINCE GEORGE'S COUNTY CODE.

PROPERTY OWNERS AWARENESS CERTIFICATE	
I/WE, PRINCE GEORGE'S COUNTY DEPARTMENT OF ENVIRONMENTAL RESOURCES HEREBY ACKNOWLEDGE THAT WE ARE AWARE OF THIS TYPE 2 TREE CONSERVATION PLAN (TOP2) AND THAT WE UNDERSTAND THE REQUIREMENTS AS SET FORTH IN THIS TOP2.	
OWNER OR OWNERS REPRESENTATIVE	DATE 7/11/14

QUALIFIED PROFESSIONAL CERTIFICATION

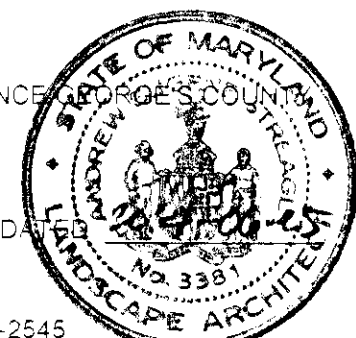
THIS COMPLIES WITH THE CURRENT REQUIREMENTS OF PRINCE GEORGES COUNTY CODE AND THE ENVIRONMENTAL TECHNICAL MANUAL.

SIGNED

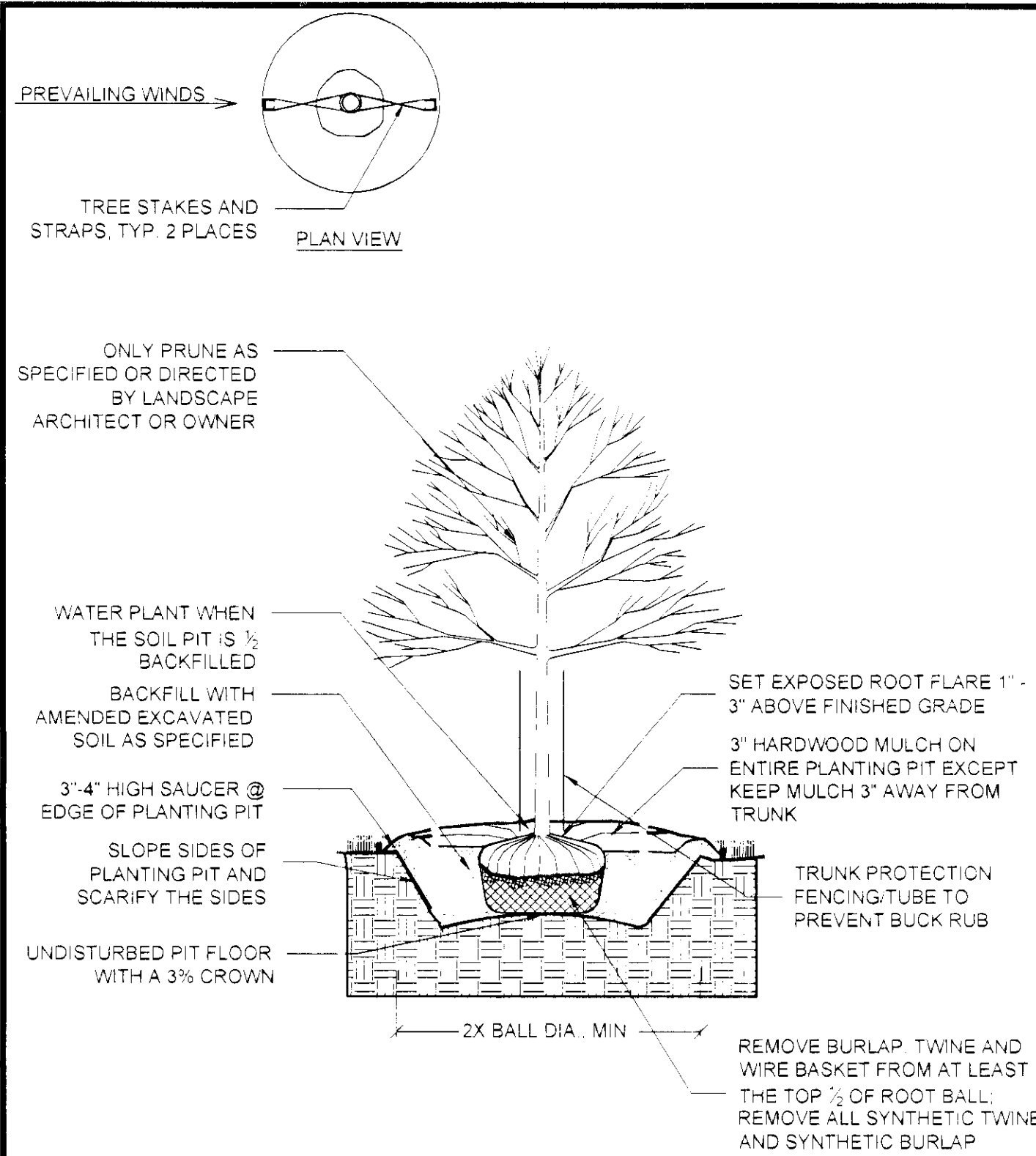
ANDREW E. STREATLE - MD RLA #3381
A. MORTON THOMAS & ASSOCIATES, INC.
12753 TWINBROOK PARKWAY
ROCKVILLE, MD 20852

PH: 301-881-2545

EMAIL: astreatle@amtengr.com



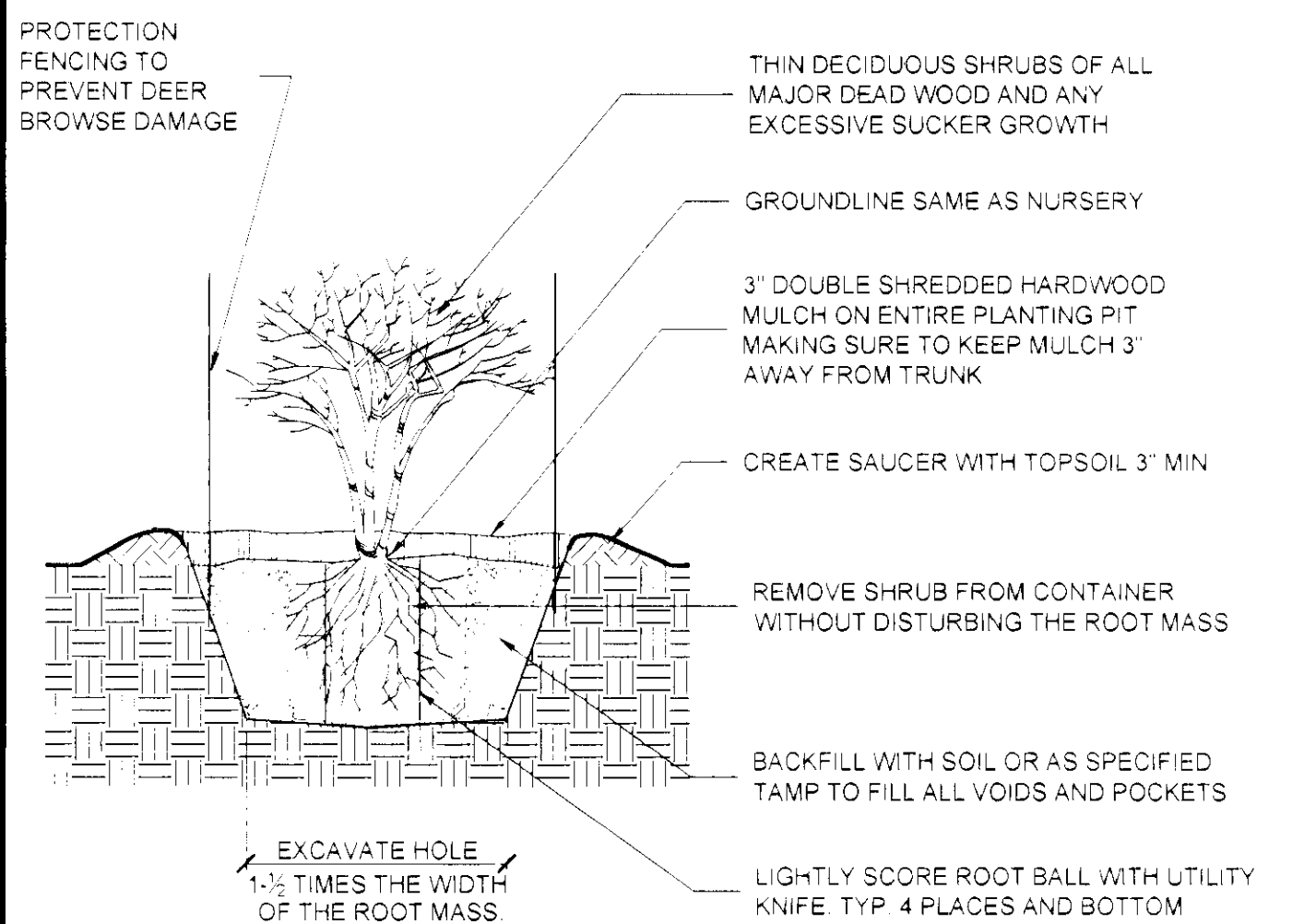
M-NCPPC PRINCE GEORGES PLANNING DEPARTMENT ENVIRONMENTAL PLANNING SECTION TREE CONSERVATION PLAN	
APPROVAL	
TITLE APPROVAL	DATE 6/3/14
DESIGNED BY	DATE 6/11/14
CHECKED BY	



1 STANDARD DECIDUOUS TREE PLANTING

NOT TO SCALE

DETAIL - F-FILE



NOTE

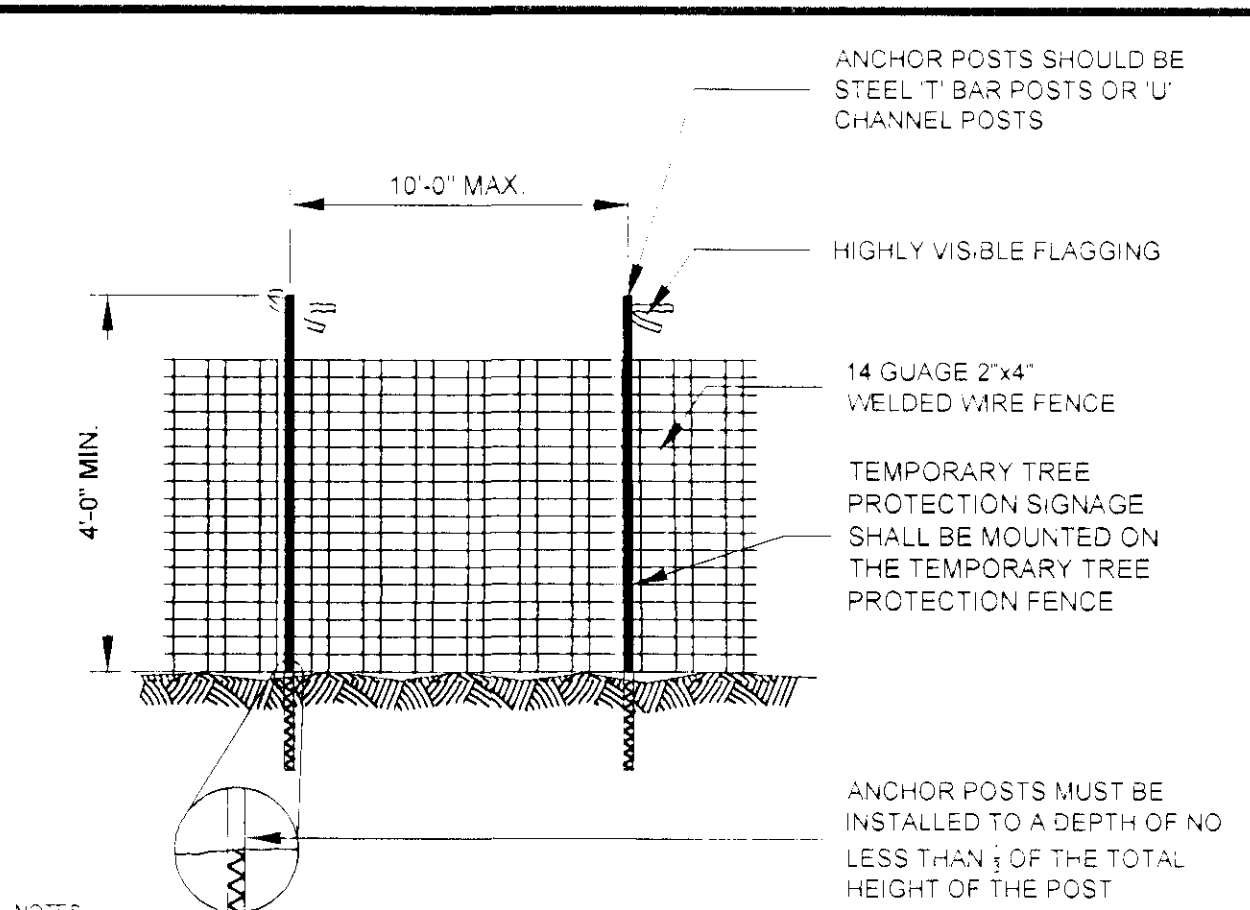
1 REMOVE ALL NON-ORGANIC MATERIAL FROM THE SOIL PIT AND HAND TAMP LOOSE SOIL AT BOTTOM OF THE PIT

2 PLANT EVERGREEN AND DECIDUOUS SHRUBS USING THE SAME METHOD

2 CONTAINERIZED SHRUB PLANTING

NOT TO SCALE

309333-02



NOTES

1 FENCES PROTECTION DEVICE ONLY

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

3 BOUNDARIES OF RETENTION AREA SHOULD BE STAKED AND FLAGGED PRIOR TO INSTALLATION OF DEVICE

4 ROOT DAMAGE SHOULD BE AVOIDED

5 PROTECTIVE SIGNAGE IS REQUIRED

6 DEVICE SHOULD BE MAINTAINED THROUGHOUT CONSTRUCTION

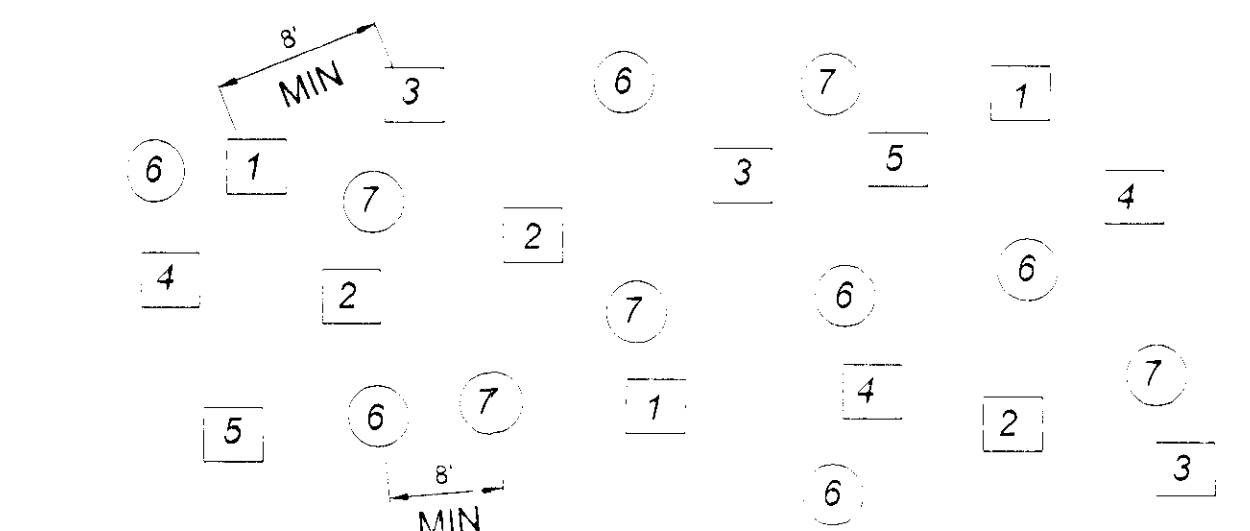
7 ALTERNATIVE TREE PROTECTION DEVICE SUPER SILT FENCE

8 FOLLOWING COMPLETION OF A PARTICULAR PORTION OF THE CONSTRUCTION AREA FENCING MAY BE REMOVED, RELOCATED AND REINSTALLED IN NEW CONSTRUCTION AREAS AS INDICATED ON PLAN

3 TREE PROTECTION FENCING-WIRE MESH

NTS

DETAIL - F-FILE



NOTES

1 PLANT TREES IN RANDOM PATTERN, 8' MINIMUM SPACING BETWEEN TREES

2 SEE PLANT SCHEDULE FOR SPECIES REQUIREMENTS

4 TYPICAL RESTORATION PLANTING LAYOUT

NOT TO SCALE

DETAIL - F-FILE

TASKS	MONTHS											
	Jan	Feb	Mar	Apr	May	June	July	Aug	Sep	Oct	Nov	Dec
TRANSPLANT OF 2" DBH OR GREATER												
PLANTING DECIDUOUS SHRUBS												
MINIMUM MONITORING			*				*				*	
FERTILIZER (IF NEEDED)												
WATER												
PRUNING												

RECOMMENDED OPTIMAL TIME

RECOMMENDED WITH ADDITIONAL CARE

RECOMMENDED

DEPENDENT UPON SITE CONDITIONS

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

NOTES

1 ACTIVITIES DURING NOVEMBER THROUGH FEBRUARY DEPEND ON GROUND CONDITIONS

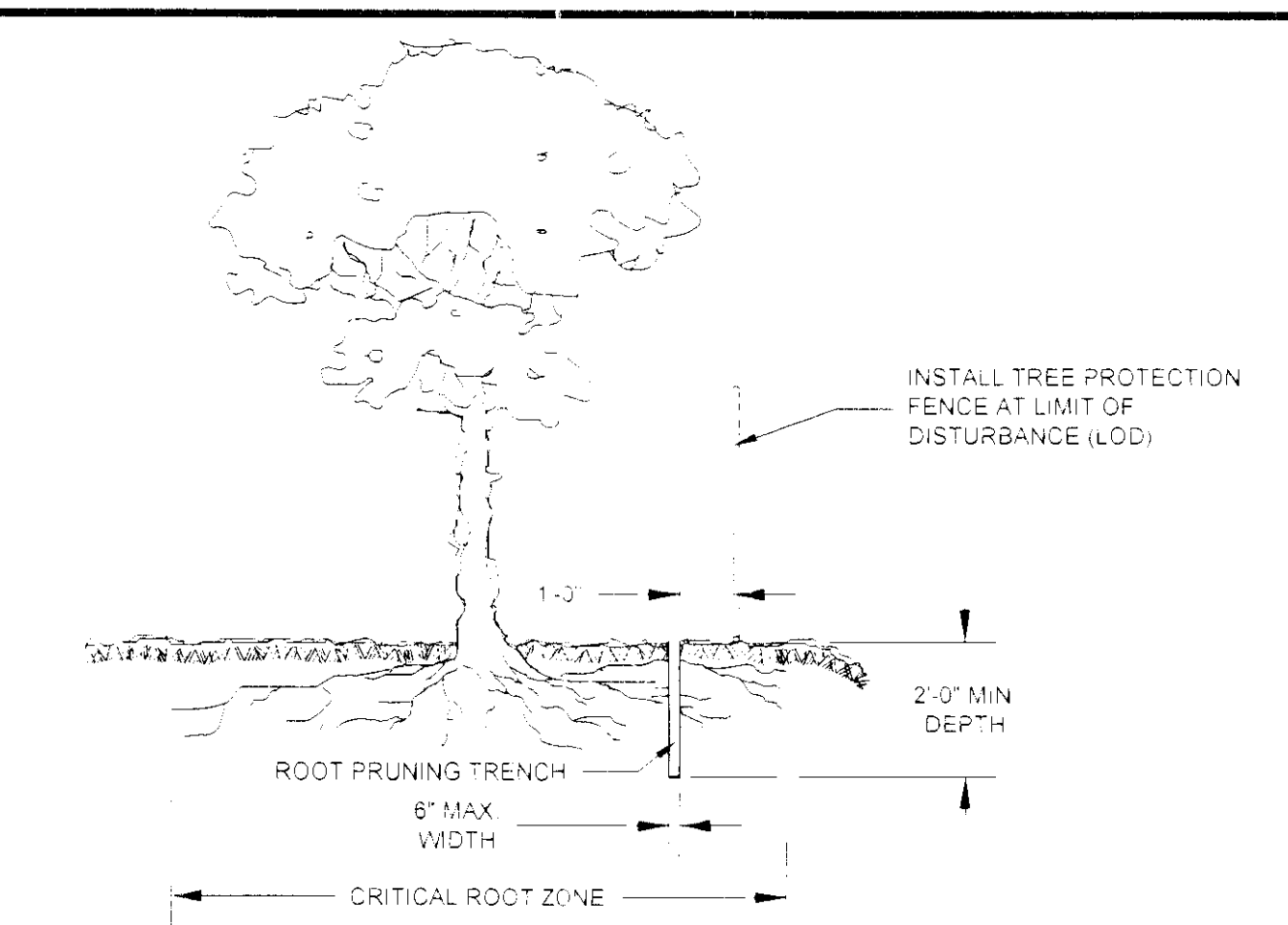
2 NO FALL PLANTING OF OAKS AND PINES

3 THE PLANTING AND CARE OF TREES IS MOST SUCCESSFUL WHEN COORDINATED WITH THE LOCAL CONDITIONS THIS CALENDAR SUMMARIZES SOME OF THE RECOMMENDED TIME FRAMES FOR BASIC RESTORATION AND STRESS REDUCTION MEASURES

5 PLANTING AND MAINTENANCE CALENDAR

NTS

309333-03



NOTES

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

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

3 EXACTLY LOCATION OF TRENCH SHOULD BE IDENTIFIED

4 ROOTS SHOULD BE CLEANLY CUT USING VIBRATORY KNIFE OR OTHER ACCEPTABLE EQUIPMENT

5 TRENCH SHOULD BE IMMEDIATELY BACKFILLED WITH SOIL REMOVED OR OTHER HIGH ORGANIC SOIL

6 STRESS REDUCTION MEASURE: ROOT PRUNING

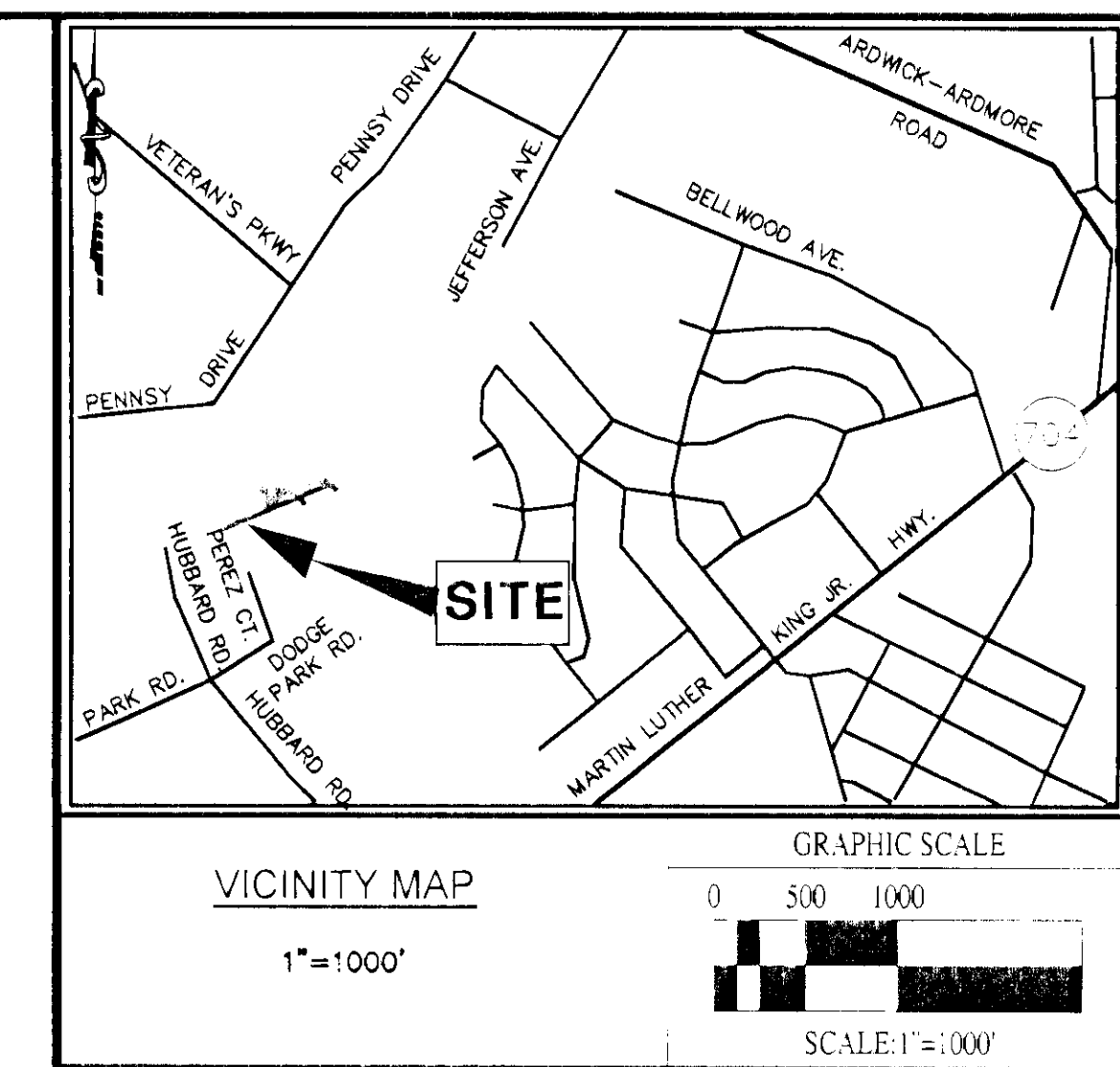
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DETAIL - F-FILE

PLANTING SCHEDULE						
PLANTING AREA	QUANTITY	KEY	BOTANICAL NAME	COMMON NAME	SIZE	FORM
WRA A	6	1	<i>Quercus coccinea</i>	Scarlet Oak	1" CAL	B&B
	5	2	<i>Fagus grandifolia</i>	Beech	1" CAL	B&B
	5	3	<i>Sassafras albidum</i>	Sassafras	1" CAL	B&B
	5	4	<i>Platanus occidentalis</i>	Black Gum	1" CAL	B&B
	5	5	<i>Quercus alba</i>	White Oak	1" CAL	B&B
	5	6	<i>Ilex opaca</i>	American Holly	1" CAL	B&B
area ac	0.31	31	TOTAL TREES			
	4	7	<i>Lindera benzoin</i>	Sweetgum	3 GAL	CONT
	4	8	<i>Viburnum dentatum</i>	Arrowwood Viburnum	3 GAL	CONT
	4	9	<i>Vaccinium angustifolium</i>	Lowbush Blueberry	3 GAL	CONT
	12		TOTAL SHRUBS			

PROVIDE A RANDOM PATTERN WITH A MINIMUM SPACING BETWEEN TREES OF 8' O.C.

PROVIDE A RANDOM PATTERN WITH A MIN. SPACING BETWEEN SHRUBS OF 3' O.C.



AS BUILT DATA	
CONTRACT NO.	
CONTRACTOR	
INSPECTOR	
DATE FINALED	
FINALED BY	

DATE	REVISIONS

DEPARTMENT OF ENVIRONMENTAL RESOURCES	
ENVIRONMENTAL SERVICES DIVISION	
PRINCE GEORGE'S COUNTY, MARYLAND	
DATE	JUNE 2014
ASSOCIATE DIRECTOR	DATE
SCALE : NTS	DWG 3 OF 3
APPROVED	7/11/14
DESIGNED : PCZ	DATE
DRAWN : AMT-CAD	
CHECKED BY : SJR	
PROJECT MANAGER	
JOB No. 105-161.102E	CONTRACT NO.

DEPARTMENT OF ENVIRONMENTAL RESOURCES

CAPITAL PROJECTS SECTION
SUSTAINABILITY SERVICES DIVISION
PRIORITY III PROJECT

PENNSY DRIVE STORM
DRAINAGE REHABILITATION
PROJECT

TREE CONSERVATION PLAN
F-3

AMT
A. MORTON THOMAS & ASSOCIATES, INC.
CONSULTING ENGINEERS
12750 TWINBROOK PARKWAY, SUITE 220
ROCKVILLE, MARYLAND 20850-1700
TEL: (301) 581-1545 FAX: (301) 581-0084
E-MAIL: AMT@AMTENGINEERING.COM

811
Know what's below.
Call before you dig.

MISS UTILITY
48 HOURS BEFORE YOU DIG
CALL 'MISS UTILITY' AT 811
OR LOG ON TO www.missutility.net

CALL "MISS UTILITY" AT 1-800-257-7777, 48 HOURS PRIOR TO THE START OF ANY WORK. THE EXCAVATOR MUST NOTIFY ALL PUBLIC UTILITY COMPANIES WITH UNDERGROUND FACILITIES IN THE AREA OF PROPOSED EXCAVATION AND HAVE THOSE FACILITIES LOCATED BY THE UTILITY COMPANIES PRIOR TO COMMENCING EXCAVATION. THE EXCAVATOR IS RESPONSIBLE FOR COMPLIANCE WITH REQUIREMENTS OF THE PRINCE GEORGE'S COUNTY CODE.

PROPERTY OWNERS AWARENESS CERTIFICATE

I/WE, PRINCE GEORGE'S COUNTY DEPARTMENT OF ENVIRONMENTAL RESOURCES HEREBY ACKNOWLEDGE THAT WE ARE AWARE OF THIS TYPE 2 TREE CONSERVATION PLAN (TCP2) AND THAT WE UNDERSTAND THE REQUIREMENTS AS SET FORTH IN THIS TCP2

OWNER OR OWNERS REPRESENTATIVE

DATE

QUALIFIED PROFESSIONAL CERTIFICATION

THIS COMPLIES WITH THE CURRENT REQUIREMENTS OF PRINCE GEORGE'S COUNTY CODE AND THE ENVIRONMENTAL TECHNICAL MANUAL

SIGNED

DATED

ANDREW E. STREAGLE - MD RLA #3381
A. MORTON THOMAS & ASSOCIATES, INC.
12750 TWINBROOK PARKWAY
ROCKVILLE, MD 20852

PH: 301-881-2545
EMAIL: astreagle@amtengineering.com

W-10000
PRINCE GEORGE'S PLANNING DEPARTMENT
ENVIRONMENTAL PLANNING SECTION
TREE CONSERVATION PLAN

APPROVAL

TCP2-021-04-01

STAFF'S SIGNATURE

DATE

TOTAL APPROVAL

DATE

DATE