

Woodland Conservation Worksheet for Prince George's County			
ALTERNATIVE	R-E		
Zone:	110.33		
Gross Tract:	6.50		
Floodplain:	0.00		
Previously Dedicated Land:	103.83	0.00	0.00
Net Tract (NTA):			
*Include acreage in the corresponding columns for each zone.			
Property Description or Subdivision Name:	Panorama Solar		
Is this site subject to the 1989 Ordinance?	N		
Reforestation Requirement Reduction Questions	N		
Is this one (1) single family lot? (y/n)	N		
Are there prior TCP approvals which include a combination of this lot and/or other lots. (y/n)	N		
Is this a Mitigation Bank	N		
Break-even Point (preservation) =	31.45 acres		
Clearing permitted w/o reforestation=	21.99 acres		
Woodland Conservation Calculations:	Net Tract (acres)	Floodplain Impacts (acres)	Off-site (acres)
Existing Woodland	53.44	5.51	
Woodland Conservation Threshold (NTA) =	25.00%	25.96	
Smaller of a or b		25.96	
Woodland above WCT		27.48	
Woodland cleared		26.76	1.54
Smaller of d or e		26.76	
Clearing above WCT (0.25 : 1) replacement requirement		6.69	
Clearing below WCT (2.1 replacement requirement)		0.00	
Afforestation Threshold (ATF) =	20.00%	0.00	
Off-site Mitigation being provided on this property		38.08	
Woodland Conservation Required		72.27	
Woodland Conservation Provided:	(acres)		
Woodland Preservation	23.50		
Afforestation / Reforestation	10.02		
Area approved for fee-in-lieu *	0.67		\$8,755.56
Credits for Off-site Mitigation on another property	0.00		
Off-site Mitigation Afforestation provided on this property **	38.08		
Off-site Mitigation Reforestation provided on this property	0.00		
Total Woodland Conservation Provided	72.27		
Area of woodland not cleared			
	23.50 acres		
Woodland retained not part of requirements:	0.00 acres		
* 0.67 acres to be provided as fee in lieu or offsite mitigation			
** The remaining 0.17 acres in the off-site bank has been applied to the on-site requirements. See table on sheet TCP-2.01.			
Prepared by:	Kevin D. Mack, RLA	Jul-18	
Signed		Date	

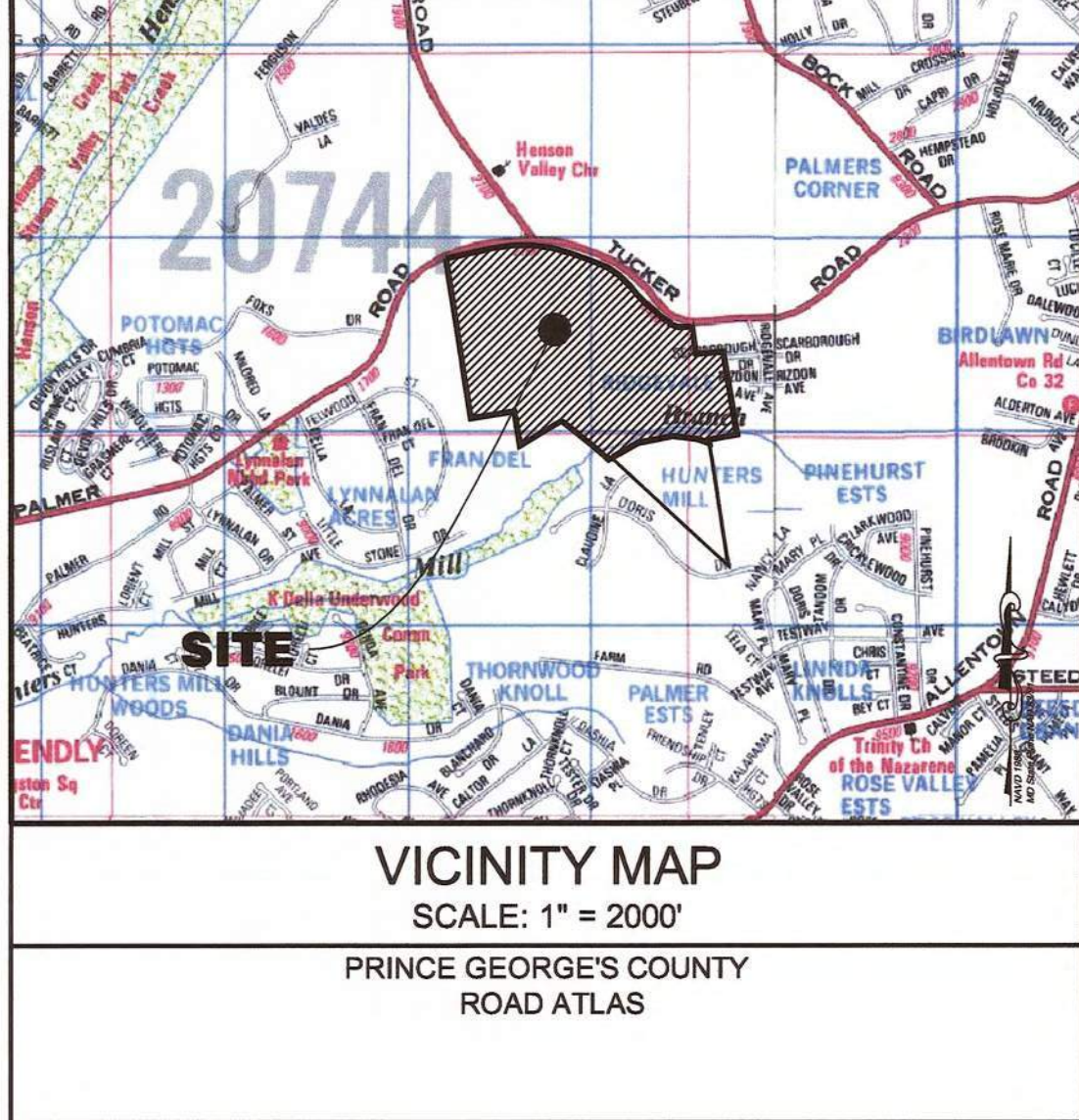
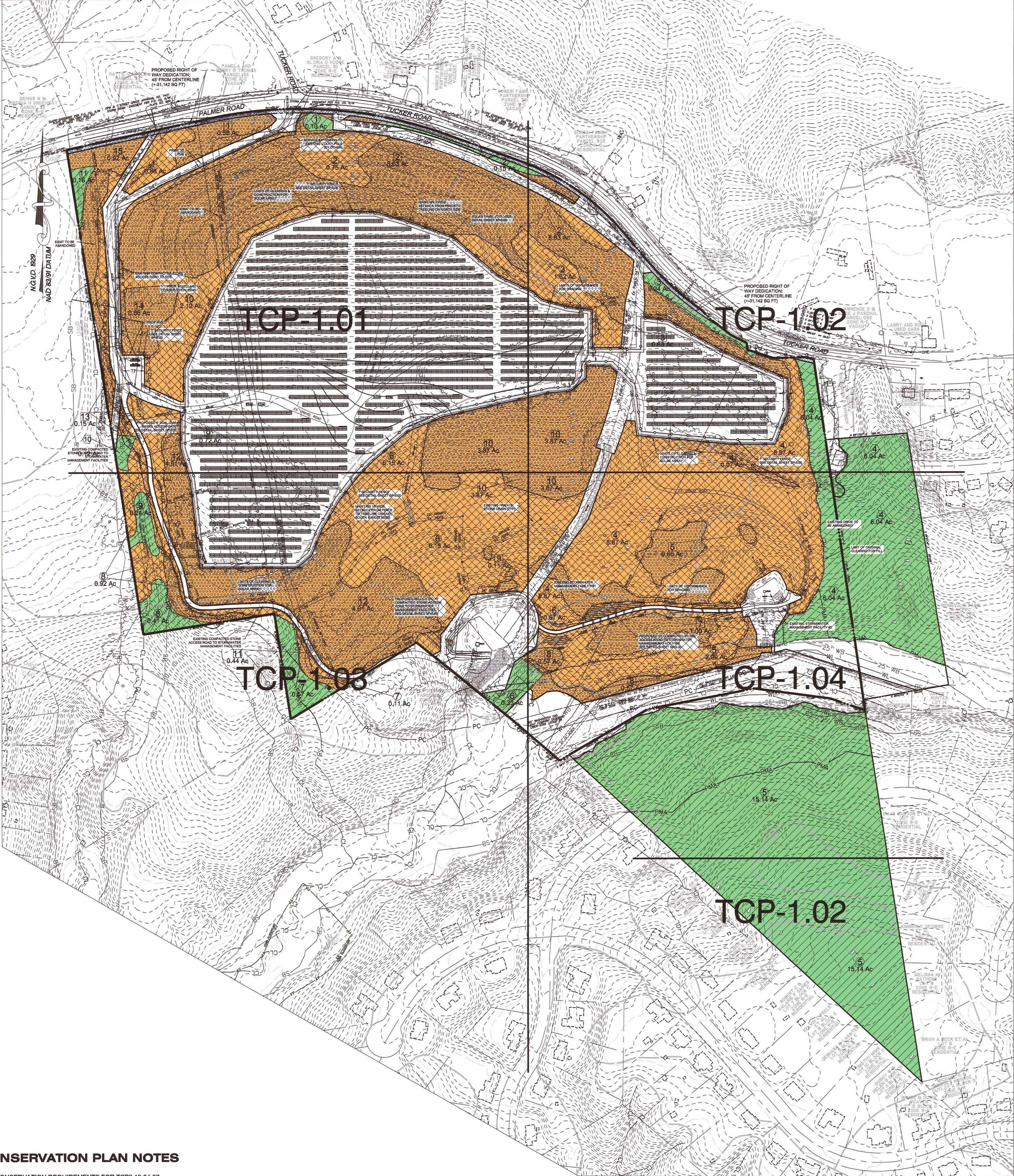
LEGEND	
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	EXISTING MINOR CONTOUR
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	EXISTING ADJACENT PROPERTY
	EXISTING 100 FT FLOOD PLAIN
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	MATCHLINE
	TREE PROTECTION
	FENCE (TEMPORARY)
	NATURAL REGENERATION AREA (NRA)
	WOODLAND PRESERVATION AREA (WPA)
	WOODLAND AFFORESTATION / REFORESTATION AREA (WRA)
	LIMITS OF CLEARING FROM ORIGINAL TCP/1 GRADING PLAN
	FOREST PRESERVATION
	AFFORESTATION / REFORESTATION
	NATURAL REGENERATION
	TEMPORARY WOODLAND PRESERVATION SIGN
	PERMANENT POST-TYPE WOODLAND PRESERVATION SIGN

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STANDARD TYPE II TREE CONSERVATION PLAN NOTES

- THIS PLAN IS SUBMITTED TO FULFILL THE WOODLAND CONSERVATION REQUIREMENTS FOR TCP/13-94-07.
- THIS PLAN SUPERCEDES AND REPLACES TCP/11/3/94 LAST APPROVED ON MAY 12, 2014.
- 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 PERMITTING, INSPECTIONS AND ENFORCEMENT (DPIE) 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 ENVIRONMENTAL STRATEGY AREA ESA-2.
- THE SITE IS NOT ADJACENT TO A ROADWAY CLASSIFIED AS ARTERIAL OR GREATER. PALMER ROAD/TUCKER ROAD IS DESIGNATED AS A MAJOR COLLECTOR, MC-700 WITH A 90-100 FOOT RIGHT OF WAY.
- THE ORIGINAL LIMITS OF CLEARING IS SHOWN ON THIS PLAN WITH THE LINE PC. THE WOODLAND CONSERVATION WORKSHEET AREAS ARE BASED ON THESE ORIGINAL CLEARING AREAS.
- THE INITIAL REFORESTATION AREAS ON THE TOP OF THE HILL DID NOT GROW AS PLANNED. REFORESTATION AREAS SHOWN ON THIS PLAN ARE TO MEET THE ORIGINAL REFORESTATION REQUIREMENTS AND THE TREE BANKING WHICH WAS PROVIDED ON THIS SITE.
- REFER TO SHEET 2.01 FOR PRESERVATION AND REFORESTATION AREA TABULATION.

ADDITIONAL NOTES AS REQUIRED INCLUDED ON SHEET 2.01.



SHEET INDEX	
1	TYPE II TREE CONSERVATION PLAN COVER SHEET
2-5	TYPE II TREE CONSERVATION PLAN SHEETS
6-7	TYPE II TREE CONSERVATION PLAN NOTES AND DETAILS

GENERAL NOTES

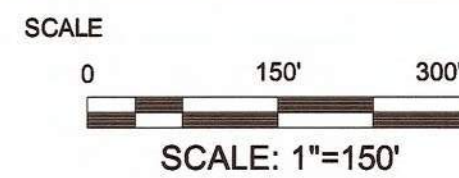
1) Subdivision Name	Panorama Solar	110.33
2) Total Acreage	Gross Property Acreage	
3) Existing Use	Vacant	
4) Proposed Use	Solar Array	
5) Number of Lots & Parcels	Existing Parcels	6
	Parcels 152, 154, 155, 159, 251 & 580	
6) Zoning	R-E	
7) Aviation Policy Area Number	N/A	
8) Tax Map Number & Grid	114D2, 114E2	
9) WSSC Grid	2115E02, 2125E02, 2115E03, 2125E03	
10) Existing Water & Sewer Designation	S-5; W-5	
11) Planning Area	Planning Area: 76-B, Henson Creek	
12) Election District	District 5, Piscataway	
13) General Plan Tier	Developing	
14) Councilmember District	8	
15) Traffic Analysis Zone (COG)	798	
16) Traffic Analysis Zone (PG)	2584	
17) SWM Concept Plan Number	No	
18) Cemeteries on or contiguous to the Property	No	
19) Historic Site on or in vicinity of the Property	No	
20) Marlboro Clay	No	
21) Streams present on site	Yes	
22) Wetlands present on site	Yes	
23) 100-year Floodplain	Yes	
24) Chesapeake Bay Critical Area Overlay	No	
25) Source of Topography	MNCP/PC GIS, 2017	
26) Boundary Survey By	Ben Dyer Associates, Inc	
27) Applicant	SynerGen Solar, LLC	
	600 Reisterstown Road, Suite 600B	
	Pikesville, MD 21208	
28) Watershed	Hunters Mill (DOE)	
29) FEMA Panel	24033C0240E; Zone X	
30) This plan is for entitlement purposes only and shall not be used for construction.		
31) During the demolition and construction phases, this project will conform to construction activity dust control requirements as specified in the 2011 Maryland Standards and Specifications for Soil Erosion and Sediment Control.		
32) During the demolition and construction phases, this project will conform to construction activity noise control requirements as specified in the Code of Maryland Regulations (COMAR).		
33) All existing woodland and conservation easements and tree banking easements will be abandoned and replaced with new woodland conservation easements.		
34) Storm drain easement L.111811 f.34 to be abandoned.		
35) Ingress/Egress Easement L.7306 f.112 to be abandoned.		

PROPERTY OWNERS AWARENESS CERTIFICATE

I/WE
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



No.	DATE	BY	Description
REVISIONS			

DRAWN BY	PJN
APPROVED BY	KDM
CHECKED BY	MLB
DATE	July 2018

TITLE

Overall Tree Conservation Plan II

DEWBERRY JOB NO. 50087417

TCP-1.00

SHEET NO.

OF

NOTE: THIS PLAN SHALL NOT BE USED FOR CONSTRUCTION.

Dewberry

Dewberry
Consultants LLC

2101 GATHER ROAD
SUITE 340
ROCKVILLE, MD 20850
301.307.2800
MEREDITH BYER
www.dewberry.com

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2301 TUCKER ROAD, FORT WASHINGTON, MD 20744
PRINCE GEORGE'S COUNTY, MD
PISCATAWAY DISTRICT #05

TAX MAP 114, GRID E2
WSSC GRID 2115E02, 2115E03, 2125E02

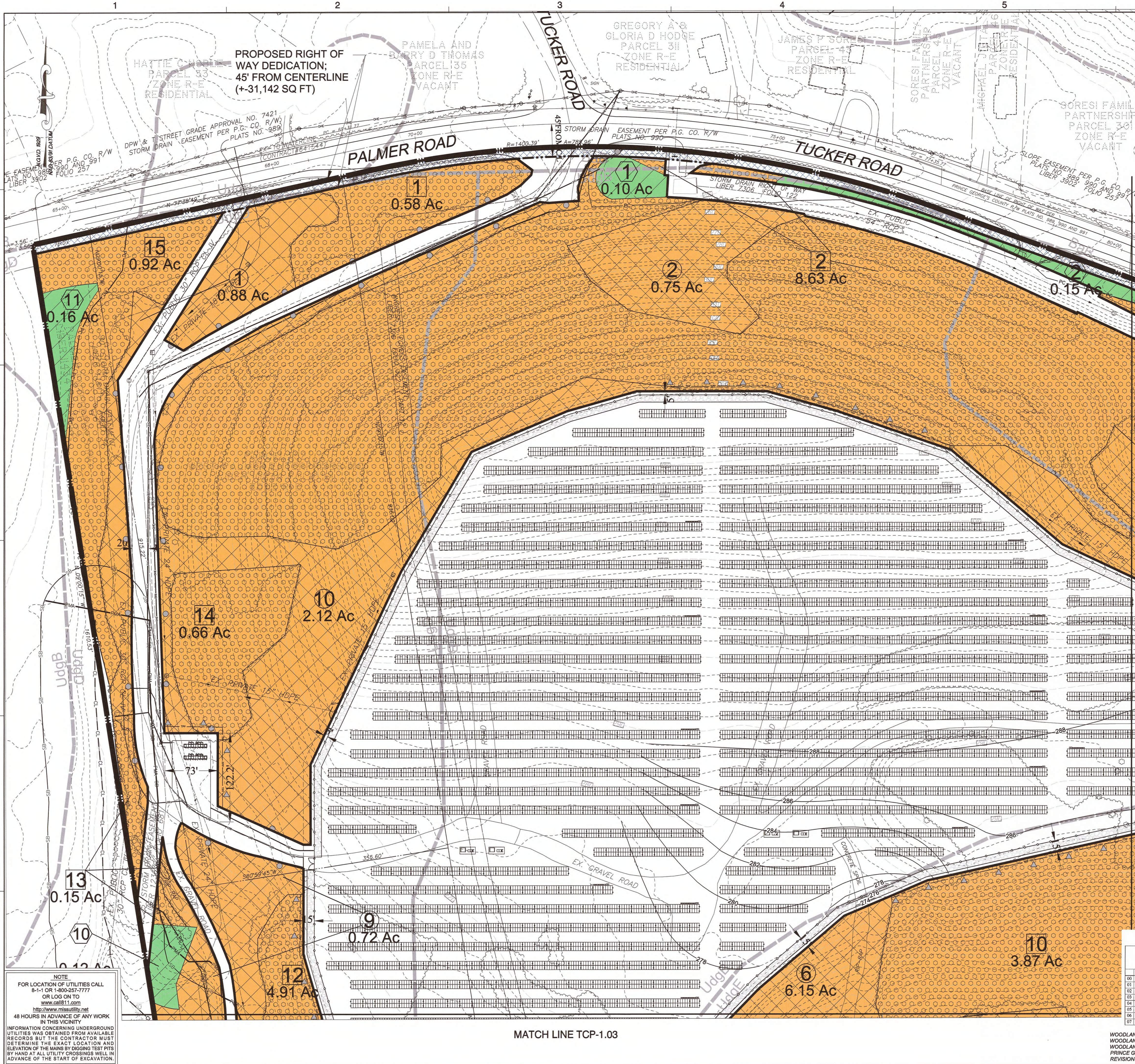
SEAL



Professional Certification. I hereby certify that these documents were prepared or approved by me, and that I am a duly licensed professional landscape architect under the laws of the State of Maryland, License No. 1102, Expiration Date: 08/03/2020.

TYPE 2 TREE CONSERVATION (TCP2) PLAN APPROVAL BLOCK			
Prince George's County Planning Department, M-NCP/PC Environmental Planning Section			
TYPE 2 TREE CONSERVATION PLAN APPROVAL TCP2 - 13-94			
Approved by	Date	FXD Y	Reason for Revision
00 JM	4/25/1994	N/A	
01 JM	10/28/1997	N/A	
02 JM	9/10/1998	N/A	
03 JM	10/12/2011	N/A	
04 JPM	10/2/2002	N/A	
05 KI Finch	8/17/2007	N/A	
06 KI Finch	11/9/2011	N/A	
07 Kim C. Finch	7/11/22/18		

WOODLANDS PRESERVED, PLANTED OR REGENERATED IN FULFILLMENT OF WOODLAND CONSERVATION REQUIREMENTS ON-SITE HAVE BEEN PLACED IN A WOODLAND AND WILDLIFE HABITAT CONSERVATION EASEMENT RECORDED IN PRINCE GEORGE'S COUNTY LAND RECORDS AT LIBERTY. POLIO REVISIONS TO THIS TCP2 MAY REQUIRE A REVISION TO THE RECORDED EASEMENT.



LEGEND

- 210 - EXISTING MAJOR CONTOUR
- 212 - EXISTING MINOR CONTOUR
- EXISTING BOUNDARY
- EXISTING ADJACENT PROPERTY
- EXISTING 100 FT FLOOD PLAIN
- EXISTING FLOOD PLAIN SET BACK
- EXISTING STREAM
- EXISTING STREAM BUFFER
- EXISTING TREE LINE
- 210 - PROPOSED MAJOR CONTOUR
- 212 - PROPOSED MINOR CONTOUR
- PROPOSED LIMIT OF DISTURBANCE
- PROPOSED LIMIT OF CONSTRUCTION
- PROPOSED RIGHT OF WAY DEDICATION
- MATCHLINE
- TREE PROTECTION FENCE (TEMPORARY)
- PC - LIMITS OF CLEARING FROM ORIGINAL TCP/1 GRADING PLAN
- # - FOREST PRESERVATION
- # - AFFORESTATION / REFORESTATION
- # - NATURAL REGENERATION
- ▲ - TEMPORARY WOODLAND PRESERVATION SIGN
- - PERMANENT POST-TYPE WOODLAND PRESERVATION SIGN

NATURAL REGENERATION AREA (NRA)

WOODLAND PRESERVATION AREA (WPA)

WOODLAND AFFORESTATION / REFORESTATION AREA (WRA)

MATCH LINE TCP-1.02

TYPE 2 TREE CONSERVATION (TCP2) PLAN APPROVAL BLOCK

Prince George's County Planning Department, M. NCPC
Environmental Planning Section
TYPE 2 TREE CONSERVATION PLAN APPROVAL
TCP2 - 13-94

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	7/1/2018		

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Dewberry

Dewberry Consultants LLC

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TAX MAP 114, GRID E2
WSSC GRID 211SE02, 211SE03, 212SE02

SEAL

Professional Certification: I hereby certify that these documents were prepared or approved by me, and that I am a duly licensed professional landscape architect under the laws of the State of Maryland, License No. 1102, Expiration Date: 08/03/2020.

SCALE: 1"=50'

No. DATE BY Description

REVISIONS

DRAWN BY PJN

APPROVED BY KDM

CHECKED BY MLB

DATE July 2018

TITLE

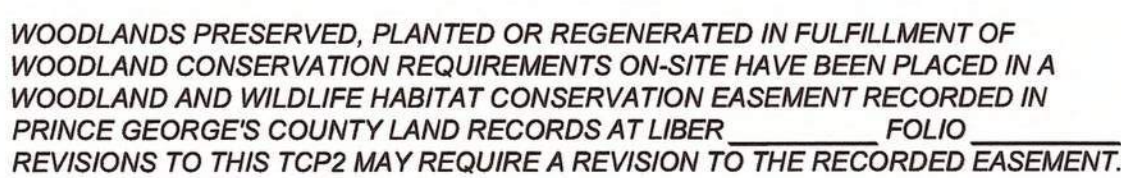
Tree Conservation Plan II

DEWBERRY JOB NO. 50087417

TCP-1.01

SHEET NO. OF

NOTE: THIS PLAN SHALL NOT BE USED FOR CONSTRUCTION.



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--- PC LIMITS OF CLEARING FROM ORIGINAL TCPII GRADING PLAN

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AFFORESTATION / REFORESTATION
NATURAL REGENERATION

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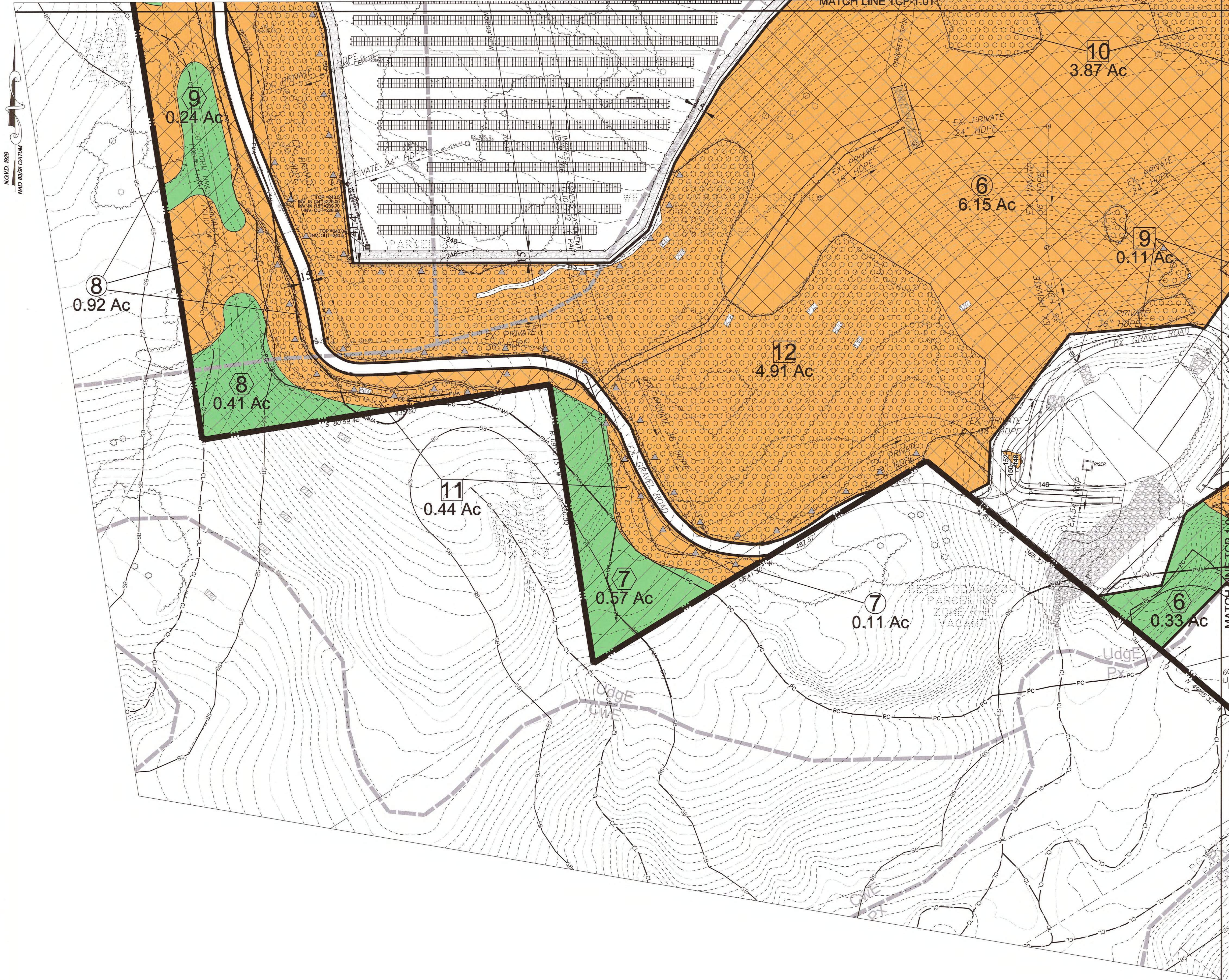
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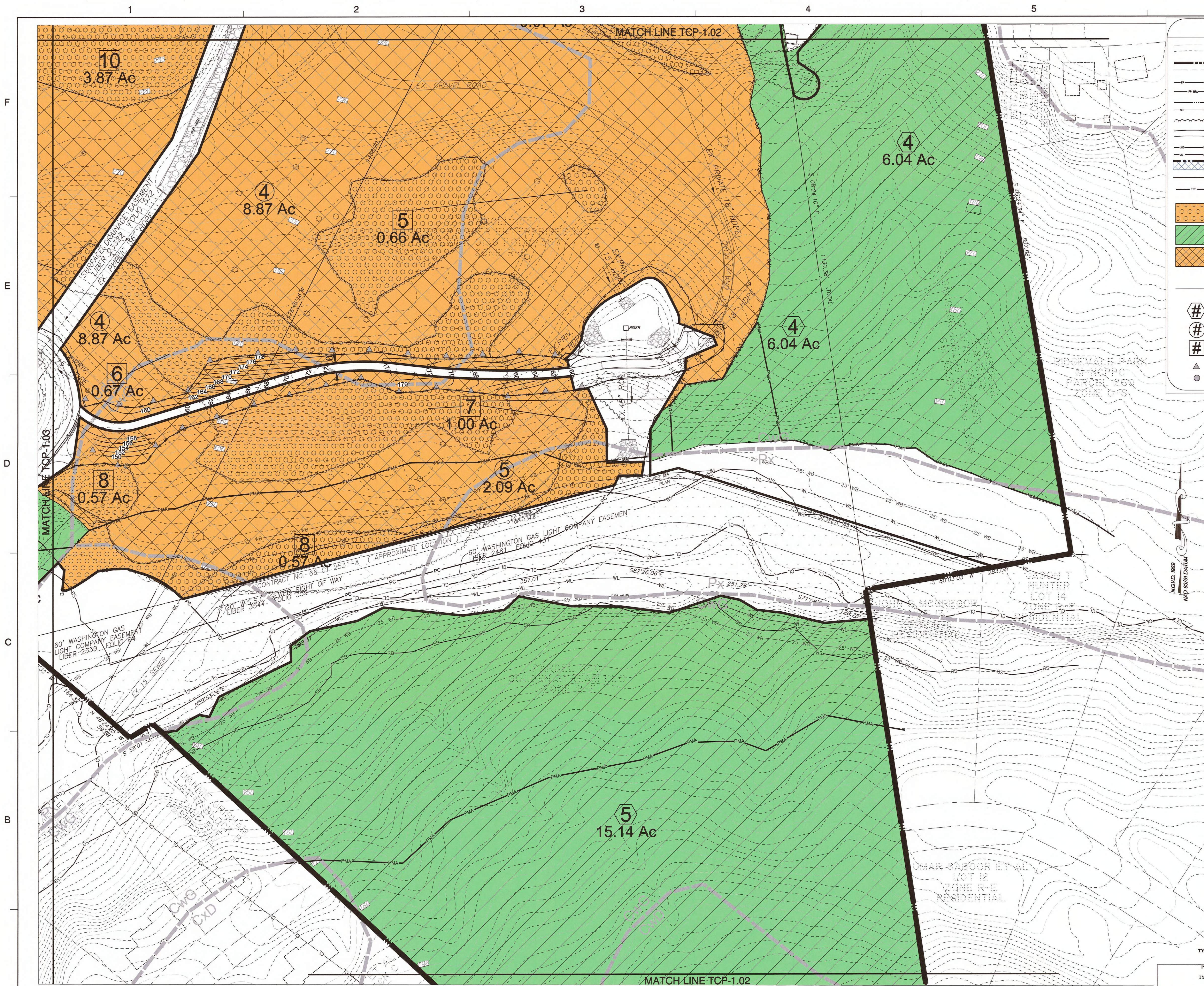
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210
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/ REFORESTATION AREA (WRA)

PC

FOREST
PRESERVATION
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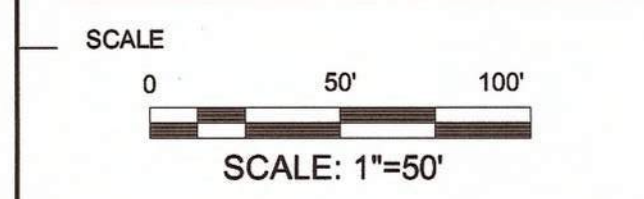
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Environmental Planning Section
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TCP2-13-94

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by me, and that I am a duly licensed professional
landscape architect under the laws of the
State of Maryland, License No. 1102
Expiration Date: 08/03/2020



No.	DATE	BY	Description
REVISIONS			

DRAWN BY PJN
APPROVED BY KDM
CHECKED BY MLB
DATE July 2018
TITLE

Tree
Conservation
Plan II

DEWBERRY JOB NO. 50087417

TCP-1.04

SHEET NO. OF

NOTE: THIS PLAN SHALL NOT BE USED FOR CONSTRUCTION.

PLANTING SPECIFICATION NOTES

1. QUANTITY: (SEE PLANT SCHEDULE)
2. TYPE: (SEE PLANT SCHEDULE)
3. PLANT QUALITY STANDARDS: THE PLANTS 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 LEVEL) SHALL BE AT LEAST 7". 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 GREEN HOUSE, 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.

4. PLANT HANDLING: THE QUANTITY OF SEEDLINGS TAKEN TO THE FIELD SHALL NOT EXCEED THE QUANTITY THAT CAN BE PLANTED IN A DAY. SEEDLINGS, ONCE REMOVED FROM THE NURSERY OR TEMPORARY STORAGE AREA SHALL BE PLANTED IMMEDIATELY. TIMING OF PLANTING: THE BEST TIME TO PLANT SEEDLINGS IS WHILE THEY ARE DORMANT, PRIOR TO SPRING BUDDING. THE MOST SUITABLE MONTHS FOR PLANTING ARE MARCH AND APRIL, WHEN THE SOIL IS MOIST, BUT MAY BE PLANTED FROM MARCH THROUGH NOVEMBER. NO PLANTING SHALL BE DONE WHILE 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.
6. SEEDLING PLANTING: TREE SEEDLINGS SHALL BE PLANTED USING A DIBBLE BAR OR SHARP-SHOOTER SHOVEL. IT IS IMPORTANT THAT THE SEEDLING BE PLACED IN THE HOLE SO THAT THE ROOTS CAN SPREAD OUT NATURALLY; THEY SHOULD NOT BE TWISTED, BALLED UP OR BENT. 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 GIVEN HIS APPROVAL BEFORE PLANTING MAY BEGIN.
7. 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.
8. 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 AT 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 RECOMMENDED FOR CORRECTIONS OF SOIL TEXTURE, PH, MAGNESIUM, PHOSPHORUS, POTASSIUM, CALCIUM AND ORGANIC MATTER.
9. SOIL IMPROVEMENT MEASURES: THE SOIL SHALL THEN BE IMPROVED ACCORDING TO THE RECOMMENDATIONS MADE BY THE TESTING COMPANY.
10. 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.
11. PLANTING METHOD: CONSULT THE PLANTING DETAIL(S) SHOWN ON THIS PLAN.
12. MULCHING: APPLY TWO-INCH THICK LAYER OF WOODCHIP OR SHREDDED HARDWOOD MULCH (AS NOTED) TO EACH PLANTING SITE (SEE DETAIL SHOWN ON THIS PLAN).
13. GROUND COVER ESTABLISHMENT: THE REMOVED DISTURBED AREA DURING SEEDLING PLANTING SITES SHALL BE SEEDED AND STABILIZED WITH WHITE CLOVER SEED AT THE RATE OF 5 LBS/ACRE.
14. MOWING: NO MOWING SHALL BE ALLOWED IN ANY PLANTING AREA.
15. 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.
16. SOURCE OF SEEDLINGS: TO BE DETERMINED BY APPLICANT.

AFFORESTATION AND REFORESTATION NOTES

1. 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 FORTY UNTIL ALL REQUIRED ACTIVITIES HAVE BEEN SATISFIED OR THE REQUIRED TIMEFRAME FOR MAINTENANCE HAS PASSED WHICHEVER IS LONGER.
2. THE PLANTING OF AFFORESTATION OR REFORESTATION AREAS SHALL BE COMPLETED IN SEQUENCE WITH DEVELOPMENT. SEEDLING PLANTING IS TO OCCUR FROM NOVEMBER THROUGH MAY ONLY AS LONG AS THE GROUND IS NOT FROZEN. PLANTING WITH LARGER CALIPER STOCK OR CONTAINERIZED STOCK MAY BE DONE AT ANY TIME PROVIDED A DETAILED MAINTENANCE SCHEDULE IS PROVIDED.
3. 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.
4. REFORESTATION AREAS SHALL NOT BE MOWED. THE MANAGEMENT OF COMPETING VEGETATION AROUND INDIVIDUAL TREES AND THE REMOVAL OF NOXIOUS, INVASIVE, AND NON-NATIVE VEGETATION WITHIN THE REFORESTATION AREAS IS ACCEPTABLE.
5. ALL REQUIRED TEMPORARY TREE PROTECTION FENCING SHALL BE INSTALLED PRIOR TO THE CLEARING AND GRADING OF THE SITE AND SHALL REMAIN IN PLACE UNTIL 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 TCP2.
6. 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.
7. THE COUNTY INSPECTOR SHALL BE NOTIFIED PRIOR TO SOIL PREPARATION OR INITIATION OF ANY TREE PLANTING ON THIS SITE.
8. AT TIME OF ISSUANCE, 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.
9. FAILURE TO ESTABLISH THE AFFORESTATION OR REFORESTATION WITHIN THE PRESCRIBED TIME FRAME WILL RESULT IN THE 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.

FOUR-YEAR MANAGEMENT PLAN FOR REAFFORESTATION 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 (2 X MONTH)
CONTROL OF UNDESIRABLE VEGETATION AS NEEDED (1 X IN JUNE AND 1 X IN SEPTEMBER/MN)
- YEAR 2-3: REINFORCEMENT PLANTING IS NEEDED (SEE NOTE 2)
SURVIVAL CHECK ONCE ANNUALLY (SEPTEMBER-NOVEMBER)
CONTROL OF UNDESIRABLE VEGETATION IF NEEDED (1 X IN MAY AND 1 X IN AUGUST/MN)
- YEAR 4: REINFORCEMENT PLANTING IF NEEDED. (SEE NOTE 2)
SURVIVAL CHECK (SEPTEMBER-NOVEMBER)

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 CHECK 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 OTHER OPERATIONS WILL BE CONDUCTED ON AS NEEDED BASIS.
- PROTECTION OF REFORESTATION AND AFFORESTATION AREAS BY INDIVIDUAL HOMEOWNERS**
1. REFORESTATION FENCING AND SIGNAGE SHALL REMAIN IN PLACE IN ACCORDANCE WITH THE APPROVED TYPE 2 TREE CONSERVATION PLAN.
2. 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 ACCEPTABLE.

OFF-SITE WOODLAND CONSERVATION NOTE:

PRIOR TO THE ISSUANCE OF THE FIRST GRADING PERMIT FOR THE SECTION OF DEVELOPMENT SHOWN ON THIS TCP2, ALL OFF-SITE WOODLAND CONSERVATION REQUIRED BY THIS PLAN SHALL BE IDENTIFIED ON AN APPROVED TCP2 PLAN AND RECORDED AS AN OFF-SITE EASEMENT IN THE LAND RECORDS OF PRINCE GEORGE'S COUNTY. PROOF OF RECORDED OF THE OFF-SITE CONSERVATION SHALL BE PROVIDED TO THE M-NCPPC PLANNING DEPARTMENT PRIOR TO ISSUANCE OF ANY PERMIT FOR THE ASSOCIATED PLAN.

TREE PRESERVATION AND RETENTION NOTES

1. 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 OBSERVATION PLAN IS REQUIRED PRIOR TO CLEARING WOODLAND AREAS THAT ARE NOT SPECIFICALLY IDENTIFIED TO BE CLEARED ON THE APPROVED TCP2.
2. TREE AND WOODLAND CONSERVATION METHODS SUCH AS ROOT PRUNING SHALL BE CONDUCTED AS NOTED ON THIS PLAN.
3. THE LOCATION OF ALL TEMPORARY TREE PROTECTION FENCING (TPF) 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.
4. 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 TCP2.
5. 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

6. 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.
7. 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.
8. 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 PERMITEE 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 SPROUTING.
9. 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 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 A 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, THIS 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 THE APPROVED LIMITS OF DISTURBANCE ON A TCP2. THE WORK IS REQUIRED TO BE CONDUCTED BY A LICENSED TREE EXPERT.

10. WORK ON THIS PROJECT WILL BE INITIATED IN SEVERAL PHASES. ALL TEMPORARY TPFs REQUIRED FOR A GIVEN PHASE SHALL BE INSTALLED PRIOR TO ANY DISTURBANCE WITHIN THAT PHASE OF WORK.
11. TREE PROTECTION FENCING (TPF) IS NOT REQUIRED FOR ALL OR PORTIONS OF THIS PLAN BECAUSE AN UNDISTURBED 100-FOOT BUFFER OF OPEN LAND OR A 50-FOOT BUFFER IS BEING MAINTAINED BETWEEN THE LIMIT OF DISTURBANCE (LOD) AND THE WOODLAND PRESERVATION AREAS. IF THE LOD CHANGES AND THE CHANGE IMPACTS THESE BUFFERS, THE COUNTY INSPECTOR SHALL BE CONTACTED TO EVALUATE THE CHANGE TO DETERMINE IF A REVISION TO THE TREE CONSERVATION PLAN IS NECESSARY OR IF INSTALLATION OF TPFs WILL BE REQUIRED.
12. DEBRIS PILES SHOWN IN WOODLAND PRESERVATION AREAS SHALL BE REMOVED BY HAND WITHOUT THE USE OF MECHANICAL EQUIPMENT WITHIN THE PRESERVATION AREA. CHAINS MAY BE USED TO PULL DEBRIS OUT OF THE PRESERVATION AREAS. CAUTION MUST BE USED NOT TO DAMAGE REMAINING VEGETATION.

POST DEVELOPMENT NOTES WHEN WOODLANDS AND/OR SPECIMEN, HISTORIC OR CHAMPION TREES ARE TO REMAIN:

1. 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 COMPLETED. 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.

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 TCP2. THE WORK IS REQUIRED TO BE CONDUCTED BY A LICENSED TREE EXPERT.

2. 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, THIS ENCOURAGING DECOMPOSITION.
3. 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 HERBICIDES SHALL BE DONE IN ACCORDANCE WITH THE LABEL INSTRUCTIONS.
4. 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.

OFF-SITE WOODLAND CONSERVATION BANK SUMMARY TABLE (38.08 Acres)						
TREE CONSERVATION PLAN REFERENCE	EASEMENT AREA REFERENCE	RECORDED DOCUMENT	TOTAL AREA IN W.P.A.	REMAINING AREA AVAILABLE	REVIEWER	APPROVAL DATE
TCP II / 34 / 38 (KETS PROP.)	RA #1 (0.36 AC.) RA #3 (8.58 AC.)	L 15090 F. 392 (OLD) L 36697 F. 172 (NEW)	9.44 AC.	28.64 AC.	JPM	10/2/2002
TCP II / 97 / 05 (FRONTGATE FARMS)	RA #1 (4.63 AC.)	L 24443 F. 685	4.63 AC.	24.01 AC.	KIF	3/28/2006
TCP II / 30 / 98 (THE SHOPS AT SILVER HILL)	RA #1 (1.15 AC.)	L 24994 F. 689	1.15 AC.	22.86 AC.	KIF	5/30/2006
TCP II / 179 / 03 (POST PAIN)	RA #1 (3.52 AC.)	L 28456 F. 068	3.52 AC.	19.34 AC.	KIF	10/19/2007
TC2-035-12 (JUMBO FOODS)	L 28365 F. 462	L 35495 F. 236	2.81 AC.	16.53 AC.	KIFINCH	5/15/2014
TC2-165-04 (LAKVIEW AT BRANDOWINE)	L 28365 F. 462	L 35568 F. 001	7.35 AC.	9.18 AC.	KIFINCH	5/15/2014
FCF #514-01 50/0TH POTOMAC WATER SUPPLY IMPROVEMENT	L 28365 F. 462	L 35921 F. 365	5.13 AC.	4.05 AC.	KIFINCH	5/15/2014
TCPII-189-03 ST. JOHN'S WOODS	L 28365 F. 462	L 37507 F. 306	1.97 AC.	2.08 AC.	KIFINCH	10/15/2015
TC2-033-201 FRANK'S ADDITION TO GLEN DALE PARCELS A& B	L 28365 F. 462	L 39920 F. 425	1.98 AC.	0.10 AC.	KIFINCH	10/15/2015
Amount removed from Bank to close out			0.17 AC.	0.87 AC.	38.08 AC. In Bank	

PRESERVATION AREAS (PA)		REFORESTATION AREAS (RA)		REGENERATION AREA (RG)		COUNTED AS REFORESTATION
PA #1	0.10 AC.	RA #1	0.88 AC.	RG #1	0.58 AC.	
PA #2	0.15 AC.	RA #2	0.75 AC.	RG #2	8.63 AC.	
PA #3	0.24 AC.	RA #3	1.62 AC.	RG #3	0.63 AC.	
PA #4	6.04 AC.	RA #4	8.87 AC.	RG #4	0.07 AC.	
PA #5	15.14 AC.	RA #5	2.09 AC.	RG #5	0.66 AC.	
PA #6	0.33 AC.	RA #6	6.15 AC.	RG #6	0.67 AC.	
PA #7	0.57 AC.	RA #7	0.11 AC.	RG #7	1.00 AC.	
PA #8	0.41 AC.	RA #8	0.92 AC.	RG #8	0.57 AC.	
PA #9	0.24 AC.	RA #9	0.72 AC.	RG #9	0.11 AC.	
PA #10	0.12 AC.	RA #10	2.12 AC.	RG #10	3.87 AC.	
PA #11	0.16 AC.			RG #11	0.44 AC.	
				RG #12	4.91 AC.	
				RG #13	0.15 AC.	
				RG #14	0.66 AC.	
				RG #15	0.92 AC.	

TOTAL:	23.50 AC.	TOTAL:	24.23 AC.	TOTAL:	23.87 AC.
		TOTAL REFORESTATION:		48.10 AC.	
		OFFSITE MITIGATION:		38.08 AC.	
		ONSITE REFORESTATION:		10.02 AC.	

TCP2I NOTES:

1. RIGHT OF WAY DEDICATION OF 45 FEET FROM CENTERLINE OF PALMER & TUCKER ROADS RESULTED IN THE REMOVAL OF AN ADDITIONAL 0.11 ACRES OF PRESERVATION IN AREAS 2, 3, & 4.
2. THE REVISED ON-SITE REFORESTATION REQUIREMENT OF 10.88 ACRES IS MET BY 0.58 ACRES IN REGENERATION AREA #1, 10.02 ACRES OF REFORESTATION, AND 0.87 ACRES TO BE PLANTED OFFSITE OR FEE IN LIEU.
3. PREVIOUSLY, A 38.25 ACRES TREE BANK WAS ESTABLISHED ON THIS SITE. THIS AREA IS COMPRISED OF THE REMAINDER OF THE REFORESTATION AND NATURAL REGENERATION AREAS. THE REMAINING 0.17 ACRES IN THE OFF-SITE BANK HAS BEEN APPLIED TO THE ON-SITE REQUIREMENTS. SEE TABLE ABOVE.
4. THIS PLAN SURVEYS AND REPLACES TCP2I/334 LAST APPROVED ON MAY 12, 2014.
5. THIS PLAN SHOWS THE ADDITION OF THE MAUNDER PROPERTY, 5.38 ACRES TO THE EAST. IT ALSO TAKES INTO ACCOUNT INCIDENTAL FLOODPLAIN CLEARING ON AND OFF-SITE.
6. ALL WOODLAND CONSERVATION CREDITS TRANSFERRED WERE IN AFFORESTATION / REFORESTATION AND ALL REMAINING AVAILABLE WOODLAND CONSERVATION CREDITS ARE IN AFFORESTATION / REFORESTATION AND NATURAL REGENERATION.

REFORESTATION/AFFORESTATION PLANT SCHEDULES

AFFORESTATION / REFORESTATION AREA #1		Acreage		0.88	Upland Plantings	
Species		Planting Stock		Reforestation	Percent of Stocking	
Botanical Name	Common Name	Size	Credits/Unit	Type	Quantity	Credits
Acer rubrum	Red Maple	Seeding: 6'-18" HT.	1	Bare Root	88	88
Cercis canadensis	Eastern Redbud	Seeding: 6'-18" HT.	1	Bare Root	88	88
Liquidambar styraciflua	Sweetgum	Seeding: 6'-18" HT.	1	Bare Root	88	88
Pinus taeda	Loblolly Pine	Seeding: 6'-18" HT.	1	Bare Root	352	352
Quercus rubra	Red Oak	Seeding: 6'-18" HT.	1	Bare Root	88	88
				Reforestation Units Provided	704	
				Total Reforestation Units Required	704	
				Excess	0	

AFFORESTATION / REFORESTATION AREA #2		Acreage		0.75	Upland Plantings	
Species		Planting Stock		Reforestation	Percent of Stocking	
Botanical Name	Common Name	Size	Credits/Unit	Type	Quantity	Credits
Acer rubrum	Red Maple	Seeding: 6'-18" HT.	1	Bare Root	75	75
Cercis canadensis	Eastern Redbud	Seeding: 6'-18" HT.	1	Bare Root	75	75
Liquidambar styraciflua	Sweetgum	Seeding: 6'-18" HT.	1	Bare Root	75	75
Pinus taeda	Loblolly Pine	Seeding: 6'-18" HT.	1	Bare Root	352	352
Quercus rubra	Red Oak	Seeding: 6'-18" HT.	1	Bare Root	75	75
				Reforestation Units Provided	600	
				Total Reforestation Units Required	600	
				Excess	0	

AFFORESTATION / REFORESTATION AREA #3		Acreage		1.82	Upland Plantings	
Species		Planting Stock		Reforestation	Percent of Stocking	
Botanical Name	Common Name	Size	Credits/Unit	Type	Quantity	Credits
Acer rubrum	Red Maple	Seeding: 6'-18" HT.	1	Bare Root	182	182
Cercis canadensis	Eastern Redbud	Seeding: 6'-18" HT.	1	Bare Root	182	182
Liquidambar styraciflua	Sweetgum	Seeding: 6'-18" HT.	1	Bare Root	182	182
Pinus taeda	Loblolly Pine	Seeding: 6'-18" HT.	1	Bare Root	688	688
Quercus rubra	Red Oak	Seeding: 6'-18" HT.	1	Bare Root	182	182
				Reforestation Units Provided	1,268	
				Total Reforestation Units Required	1,268	
				Excess	0	

AFFORESTATION / REFORESTATION AREA #4		Acreage			8.87	Lowland Plantings	
Species		Planting Stock			Reforestation	Percent of Stocking	
Botanical Name	Common Name	Size	Credit/Unit	Type	Quantity	Credits	
<i>Acer rubrum</i>	Red Maple	Seeding: 6'-18" HT.	1	Bare Root	887	887	12.5%
<i>Liquidambar styraciflua</i>	Sweetgum	Seeding: 6'-18" HT.	1	Bare Root	887	887	12.5%
<i>Loblolly Pine</i>	Loblolly Pine	Seeding: 6'-18" HT.	1	Bare Root	3,548	3,548	50.0%
<i>Platanus occidentalis</i>	American Sycamore	Seeding: 6'-18" HT.	1	Bare Root	887	887	12.5%
<i>Quercus phellos</i>	Willow Oak	Seeding: 6'-18" HT.	1	Bare Root	887	887	12.5%
				Reforestation Units Provided	7,096		
				Total Reforestation Units Required	7,096		
				Excess	0		

A

B

C

D

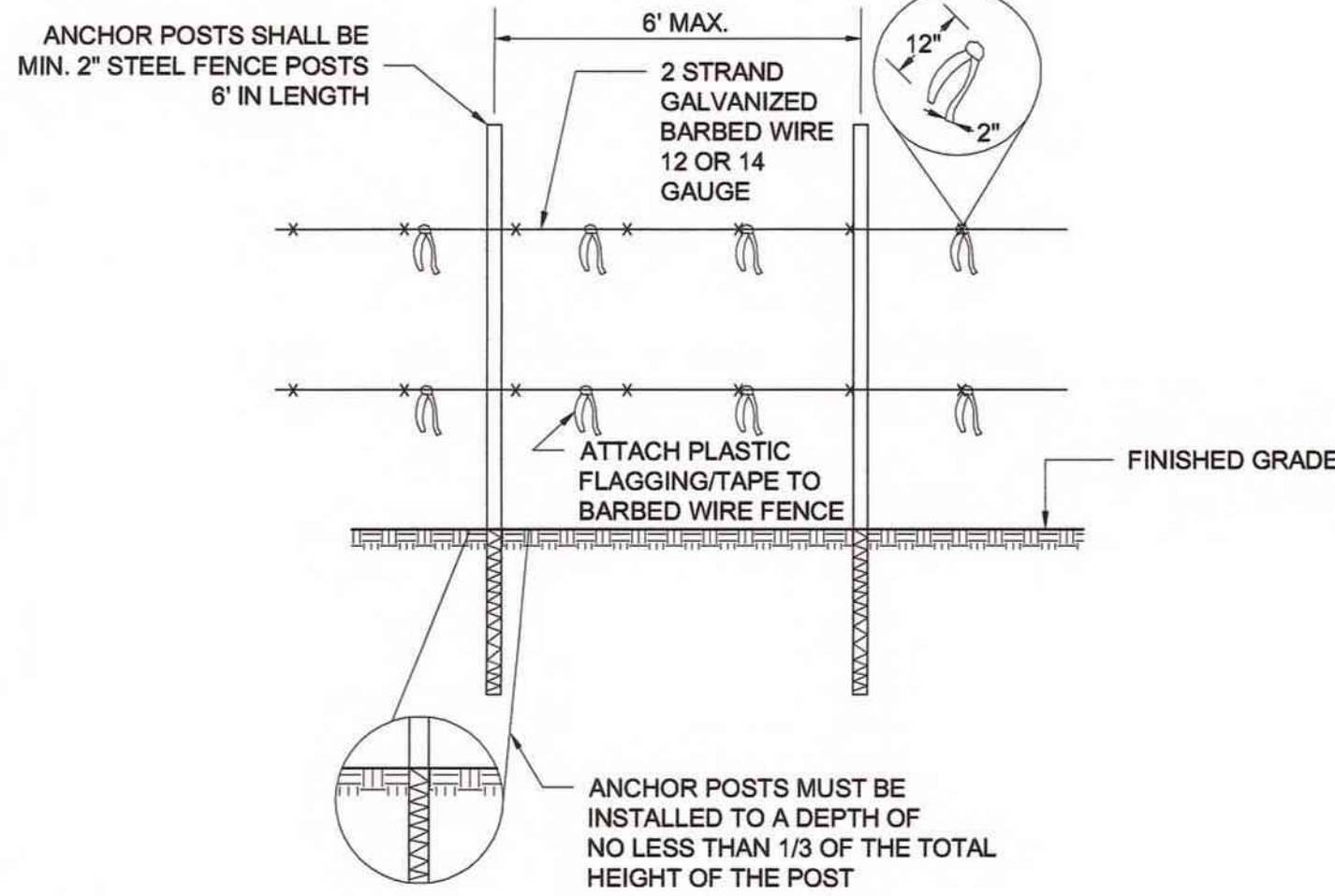
E

F

NOTE
FOR LOCATION OF UTILITIES CALL
8-1-1 OR 1-800-257-7777
OR LOG ON TO
www.call811.com
<http://www.missutility.net>
48 HOURS IN ADVANCE OF ANY WORK
IN THIS VICINITY
INFORMATION CONCERNING UNDERGROUND
UTILITIES WAS OBTAINED FROM AVAILABLE
RECORDS BUT THE CONTRACTOR MUST
DETERMINE THE EXACT LOCATION AND
ELEVATION OF THE MAINS BY DIGGING TEST PITS
BY HAND AT ALL UTILITY CROSSINGS WELL IN
ADVANCE OF THE START OF EXCAVATION.

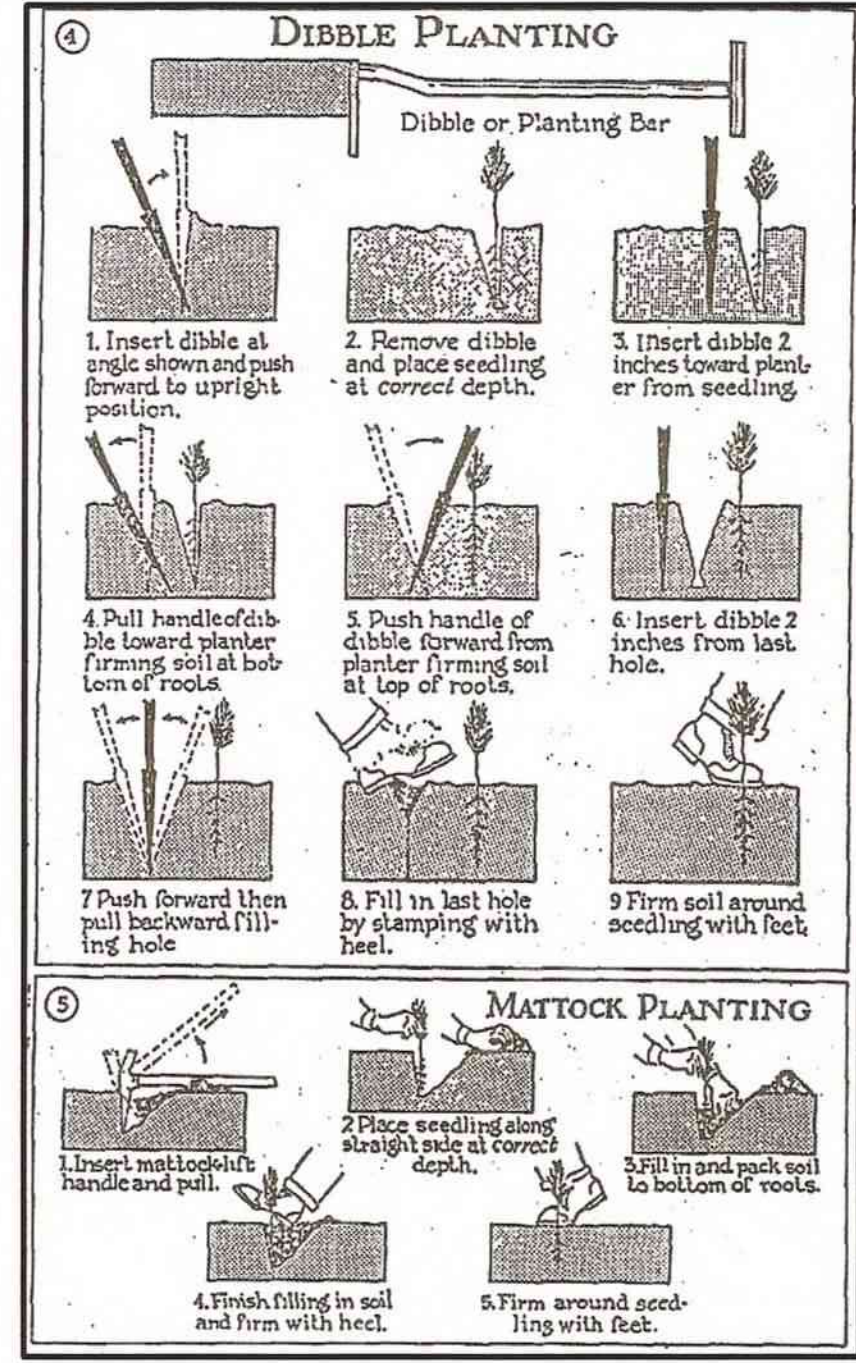
TYPE 2 (TEMPORARY) TREE PROTECTION FENCING
(NOT TO SCALE)

- NOTES:
1. FOREST 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 INSTALLING DEVICES.
 4. AVOID ROOT DAMAGE WHEN PLACING ANCHOR POSTS.
 5. BARBED WIRE SHOULD BE SECURELY ATTACHED TO POST.
 6. DEVICE SHOULD BE PROPERLY MAINTAINED DURING CONSTRUCTION.
 7. PROTECTIVE SIGNAGE IS ALSO REQUIRED.
 8. MAY BE USED IN PLACE OF TYPE 1 (TEMPORARY) TREE PROTECTION FENCE. (SEE DETAIL 4A THIS SHEET)

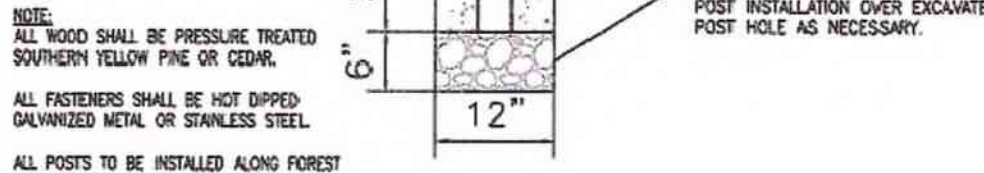


SEEDLING PLANTING METHOD
(NOT TO SCALE)

- NOTES:
1. SOURCE: ADAPTED FROM FOREST CONSERVATION MANUAL, 1991.
 2. MULCHING NEWLY PLANTED SEEDLINGS HELPS THE SOIL RETAIN MOISTURE AND PROTECTS THE SEEDLING FROM COMPACTION AND STEM INJURIES.



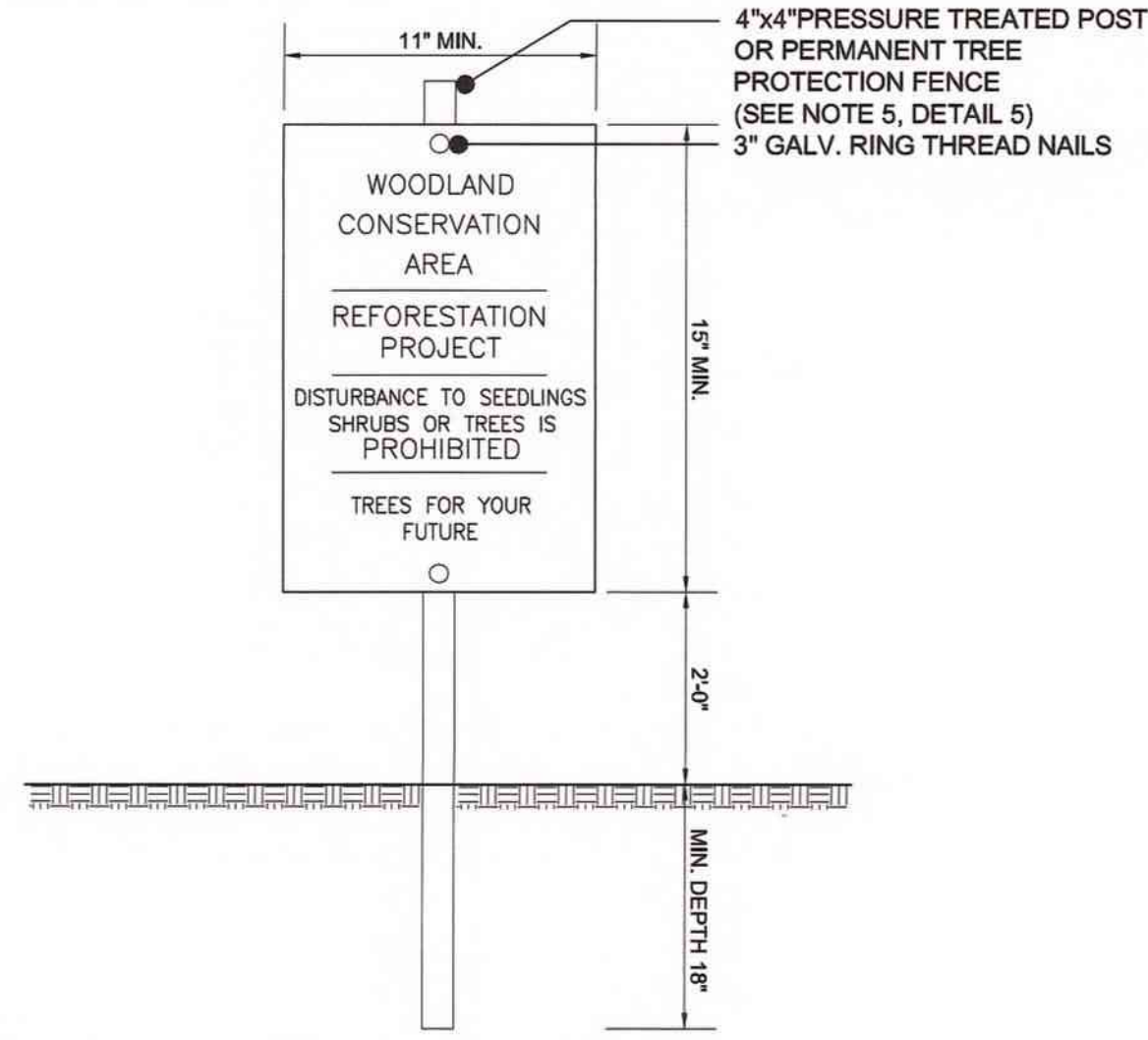
PERMANENT PRESERVATION POST-TYPE WOODLAND SIGN
(NOT TO SCALE)



NOTE:
ALL WOOD SHALL BE PRESSURE TREATED
SUFFICIENT TOUGH FINE OR COARSE.
ALL FASTENERS SHALL BE HOT DIPPED
GALVANIZED METAL OR STAINLESS STEEL.
ALL POSTS TO BE INSTALLED ALONG FOREST
CONSERVATION LINE AS SPECIFIED FOR
APPROVED FINAL TREE CONSERVATION PLAN OR
A-WOPIC FIELD INSPECTION INSTRUCTIONS.

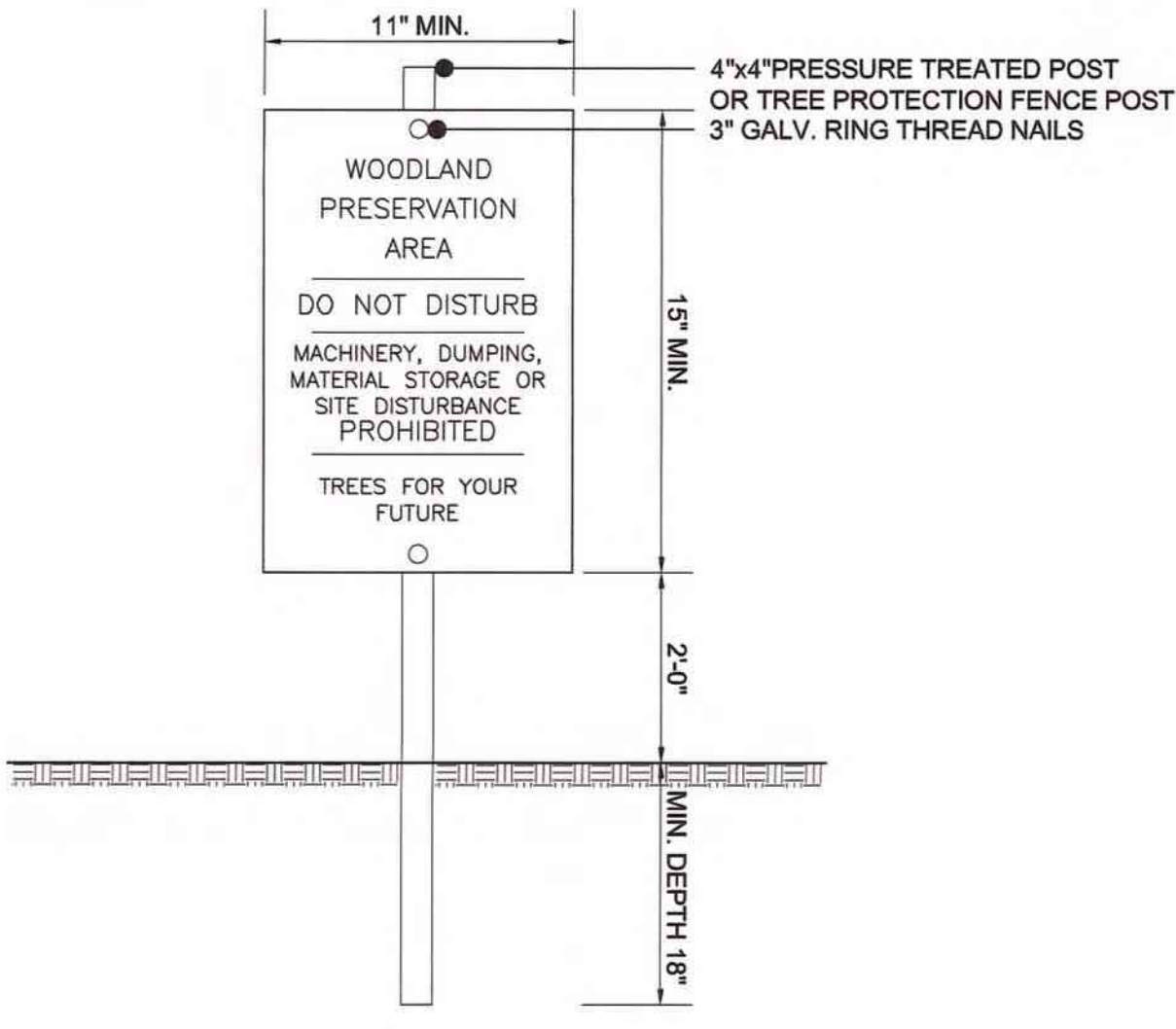
REFORESTATION AREA SIGN
(NOT TO SCALE)

- NOTES:
1. ATTACHMENT OF SIGNS TO TREES IS PROHIBITED.
 2. SIGNS SHOULD BE PROPERLY MAINTAINED.
 3. AVOID INJURY TO ROOTS WHEN PLACING POSTS FOR THE SIGNS.
 4. 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 DEVICE.
 6. LOCATE SIGNS APPROXIMATELY EVERY 50' ALONG FENCING.
 7. SIGNS SHOULD BE IN PLACE IMMEDIATELY FOLLOWING STAKE OUT OF L.O.D., AND REMAIN IN PLACE IN PERPETUITY.



WOODLAND PRESERVATION AREA SIGN
(NOT TO SCALE)

- NOTES:
1. ATTACHMENT OF SIGNS TO TREES IS PROHIBITED.
 2. SIGNS SHOULD BE PROPERLY MAINTAINED.
 3. AVOID INJURY TO ROOTS WHEN PLACING POSTS FOR THE SIGNS.
 4. 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 DEVICE.
 6. LOCATE SIGNS APPROXIMATELY EVERY 50' ALONG FENCING.
 7. SIGNS SHOULD BE IN PLACE IMMEDIATELY FOLLOWING STAKE OUT OF L.O.D., AND REMAIN IN PLACE IN PERPETUITY.



TYPE 2 TREE CONSERVATION (TCP2) PLAN APPROVAL BLOCK			
Prince George's County Planning Department, M-NCPPC Environmental Planning Section TYPE 2 TREE CONSERVATION PLAN APPROVAL TCP2 - 13-94			
Approved by	Date	CRD #	Reason for Revision
00 JM	4/25/1994	N/A	
01 JM	10/28/1997	N/A	
02 JM	9/10/1998	N/A	
03 JM	10/12/2011	N/A	
04 JPM	10/2/2012	N/A	
05 KJ Finch	8/17/2007	N/A	
06 KJ Finch	11/9/2011	N/A	
07 Kim A. Finch	7/7/22/18		

WOODLANDS PRESERVED, PLANTED OR REGENERATED IN FULFILLMENT OF
WOODLAND CONSERVATION REQUIREMENTS ON-SITE HAVE BEEN PLACED IN A
WOODLAND AND WILDLIFE HABITAT CONSERVATION EASEMENT RECORDED IN
PRINCE GEORGE'S COUNTY LAND RECORDS AT LIBER _____ FOLIO _____
REVISIONS TO THIS TCP2 MAY REQUIRE A REVISION TO THE RECORDED EASEMENT.



Professional Certification. I hereby certify that
these documents were prepared or approved
by me, and that I am a duly licensed professional
landscape architect under the laws of the
State of Maryland. License No. 1102
Expiration Date: 08/03/2020

SCALE

SEAL

PANORAMA SOLAR
MANDATORY REFERRAL MR-1718F
2301 TUCKER ROAD, FORT WASHINGTON, MD 20744
PRINCE GEORGE'S COUNTY, MD
PISCATAWAY DISTRICT #05
TAX MAP 114, GRID E2
WSSC GRID 2115E02, 2115E03, 2125E02

SYNERGEN PANORAMA
600 REISTERTOWN ROAD, SUITE 310
PIKESVILLE, MD 21208

Hillel Halberstam
Managing Member
600 Reisterstown Rd. Suite 310, Pikesville, MD 21208
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PHONE: (410) 440-3597

Dewberry
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SUITE 340
ROCKVILLE, MD 20850
301.537.2857
MEREDITH BYER
www.dewberry.com

**TCP II
Details**

DEWBERRY JOB NO. 50097417

TCP-2.02

SHEET NO. _____ OF _____

NOTE: THIS PLAN SHALL NOT BE USED FOR CONSTRUCTION.