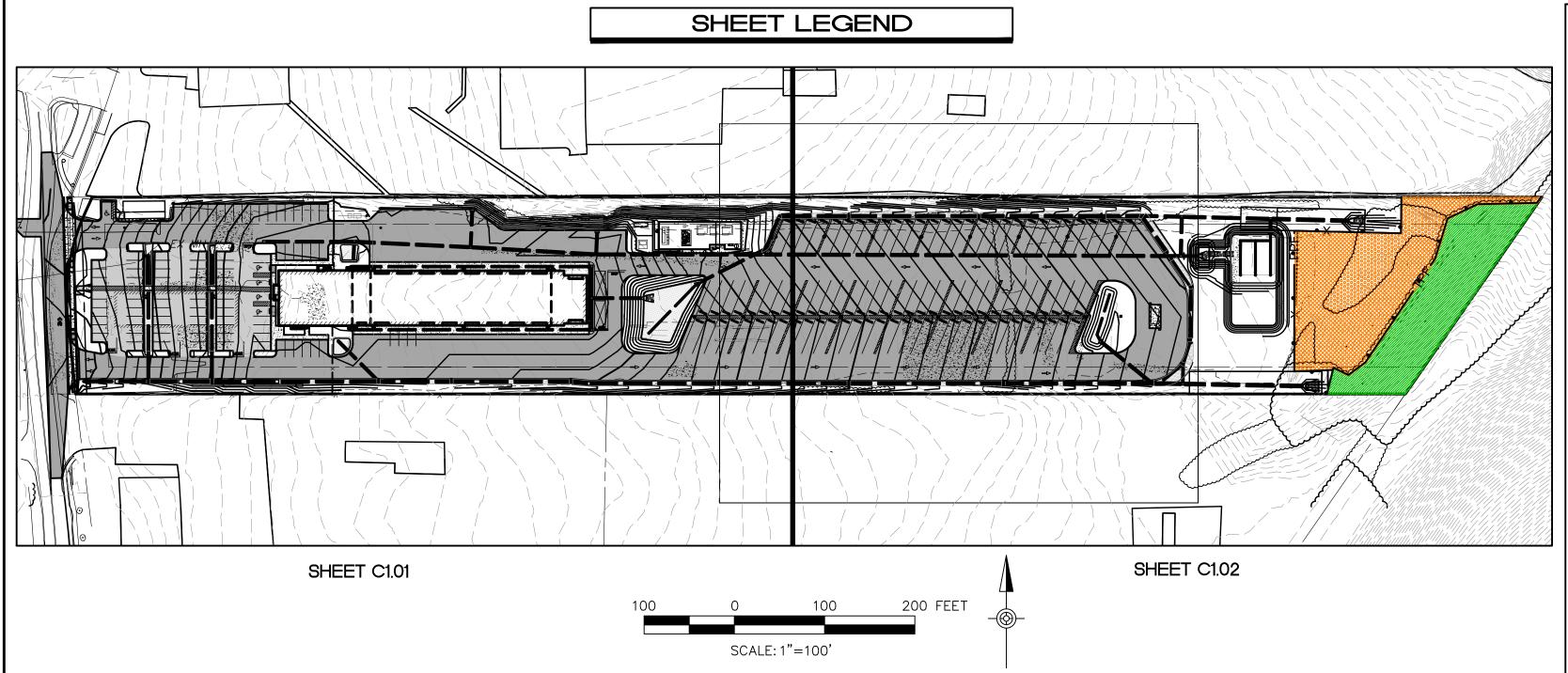
# TYPE 2 TREE CONSERVATION PLAN FOR

# WASTE MANAGEMENT CAPITOL FACILITY UPPER MARLBORO, PRINCE GEORGE'S COUNTY, MARYLAND



General Information Table						
Layer Category	Value					
Zone	Zoning (Zone)	I-1 & I-2				
Zone	Aviation Policy Area (APA)	NA				
Administrative	Tax Grid (TMG)	82 E-3				
Administrative	WSSC Grid (Sheet 20)	204SE08				
Administrative	Planning Area (Plan Area)	78				
Administrative	Election District (ED)	15				
Administrative	Councilmanic District (CD)	06				
Administrative	General Plan 2035 ESA	ESA-2				
Administrative	Traffic Analysis Zone (COG) (TAZ-COG)	1253				
Administrative	PG Traffic Analysis Zone (TAZ-PG)	2475				

## SHEET INDEX

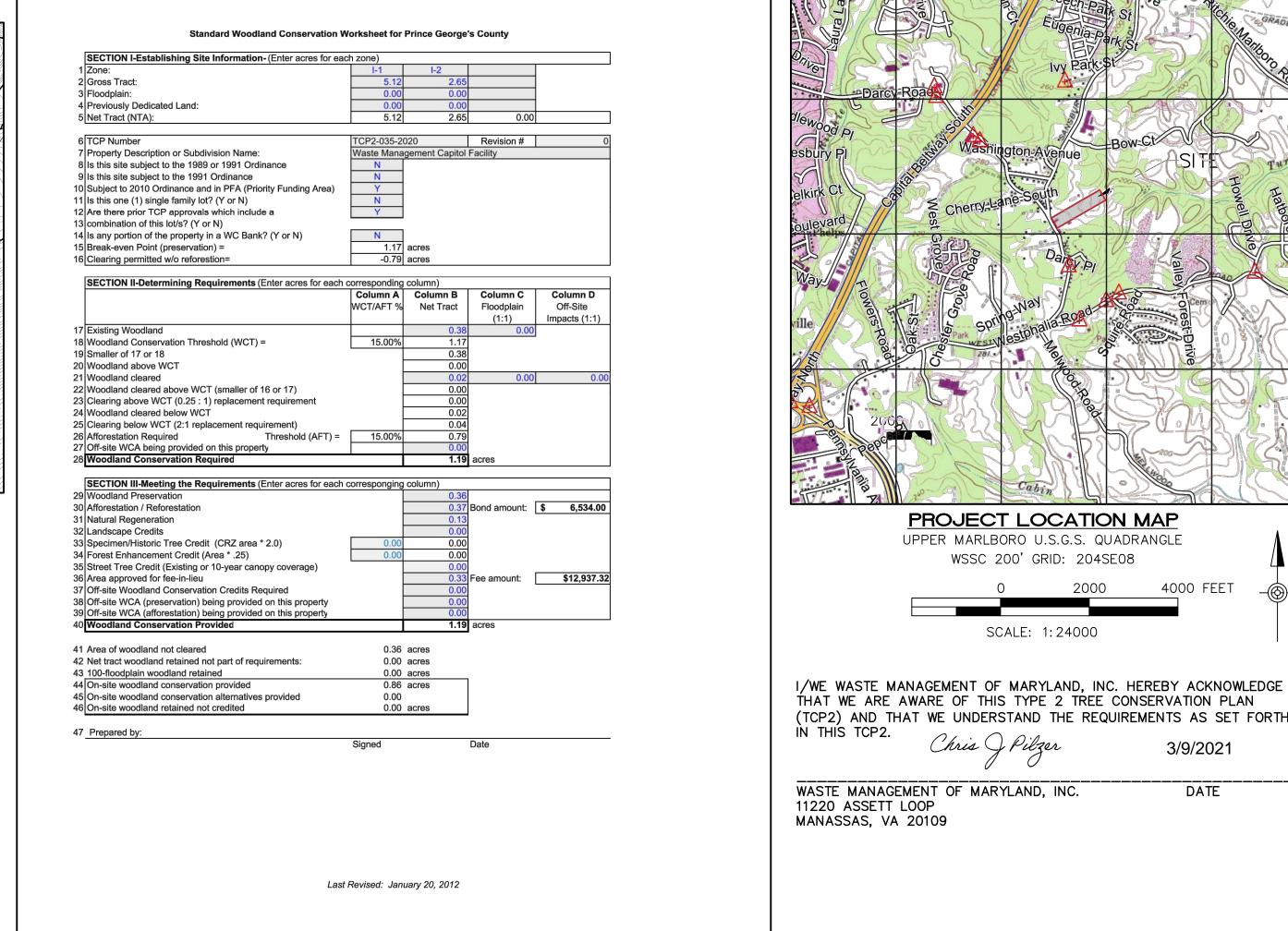
COVER SHEET SITE PLAN - WEST SITE PLAN — EAST

NOTES AND DETAILS

DETAILS DETAILS

	LEGEND	
	EXISTING	PROPOSED
FEATURES TEXT	FEATURES TEXT	FEATURES TEXT
PROPERTY LINE		
RIGHT-OF-WAY LINE		
EASEMENT LINE		<del></del>
CONTOUR LINE	— — — 100 — — — —	100
CENTER LINE OF ROAD		
BUILDING SETBACK		
BUILDING LINE	<u>'////////////////////////////////////</u>	<u>'////////////////////////////////////</u>
FENCE LINE		X
EDGE OF PAVEMENT		
GRAVEL		
CONCRETE CURB		
CONCRETE SIDEWALK	· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·

LEGEND (CONT.)						
	EXISTING	PROPOSED				
SIGN		<del></del>				
BENCHMARK	lack					
DITCH/SWALE -						
DRAINAGE LINE, MANHOLE & CB =						
SANITARY SEWER & MANHOLE -	SS	<b>-</b> Ss				
WATER MAIN & VALVE -	<u>₩V</u>	WV				
SEWER FORCE MAIN -	FM	———FM———				
GAS MAIN & VALVE -	GVG	G				
UNDERGROUND ELECTRIC -	UE	———UE———				
UNDERGROUND CABLE TV -	CTV	CTV				
OVERHEAD UTILITIES & POLE -	OH	——ОН——				
UNDERGROUND TELEPHONE -	UT	UT				
UNKNOWN UNDERGROUND UTILITY-	UKUK					
GUIDE RAIL		. • • • • • • •				



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 THE PRINCE GEORGE'S COUNTY LAND RECORDS AT LIBER 45408 FOLIO 380 . REVISIONS TO THE TCP2 MAY REQUIRE A REVISION TO THE RECORDED EASEMENT.

#### PROPOSED EXISTING WOODLAND PRESERVATION AREA NATURAL REGENERATION AREA WOODLAND REFORESTATION/ AFFORESTATION AREA (WRA) BRUSHLINE $\cdots \cdots \cdots \cdots$ ~~~~~ TREELINE STEEP SLOPE (15% AND GREATER) PERMANENT PROTECTIVE FENCE (PPF)

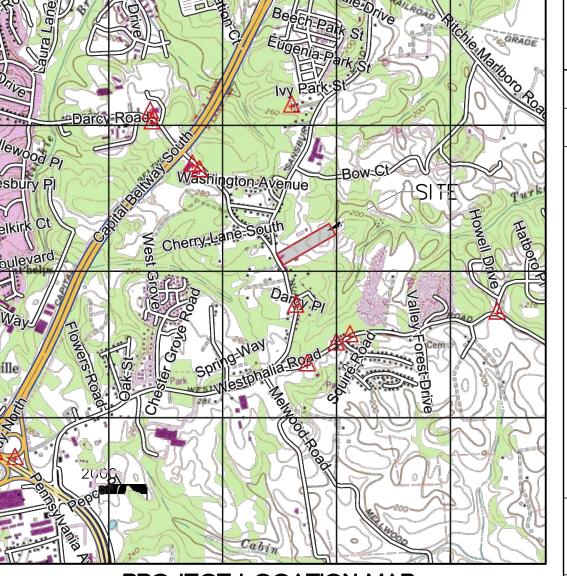
TEMPORARY PROTECTIVE

WOODLAND PRESERVATION SIGN

REFORESTATION/AFFORESTATION SIGN

FENCE (TPF)

LEGEND (CONT.)



PROJECT LOCATION MAP 4000 FEET 2000 SCALE: 1:24000

THAT WE ARE AWARE OF THIS TYPE 2 TREE CONSERVATION PLAN (TCP2) AND THAT WE UNDERSTAND THE REQUIREMENTS AS SET FORTH IN THIS TCP2. 3/9/2021

WASTE MANAGEMENT OF MARYLAND, INC. DATE 11220 ASSETT LOOP MANASSAS, VA 20109

John P. Markovich APPLICATION NAME: WASTE MANAGEMENT CAPITOL FACILITY JM Forestry Services, LLC APPLICATION NO.: DSP-20035 11552 Timberbrook Drive Waldorf, MD 20601 SIGNATURE APPROVAL OF THIS PLAN IS IN ACCORDANCE WITH PGCPB RESOLUTION NO. 2021-16 DATED FEBRUARY 18, 2021. Phone: 301-645-4977

TCP NO.: TCP2-035-2020

Kosack Date: 2021.06.16 09:22:38 -04'00'

This complies with the current requirements of Subtitle 25 and the Environmental Technical Manual. E-mail: jpmarkovich@comcast.net

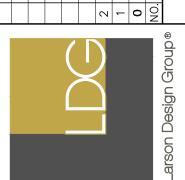
QUALIFIED PROFESSIONAL CERTIFICATION

### Prince George's County Planning Department, M-NCPPC Environmental Planning Section TREE CONSERVATION PLAN APPROVAL TCP2-035-2020

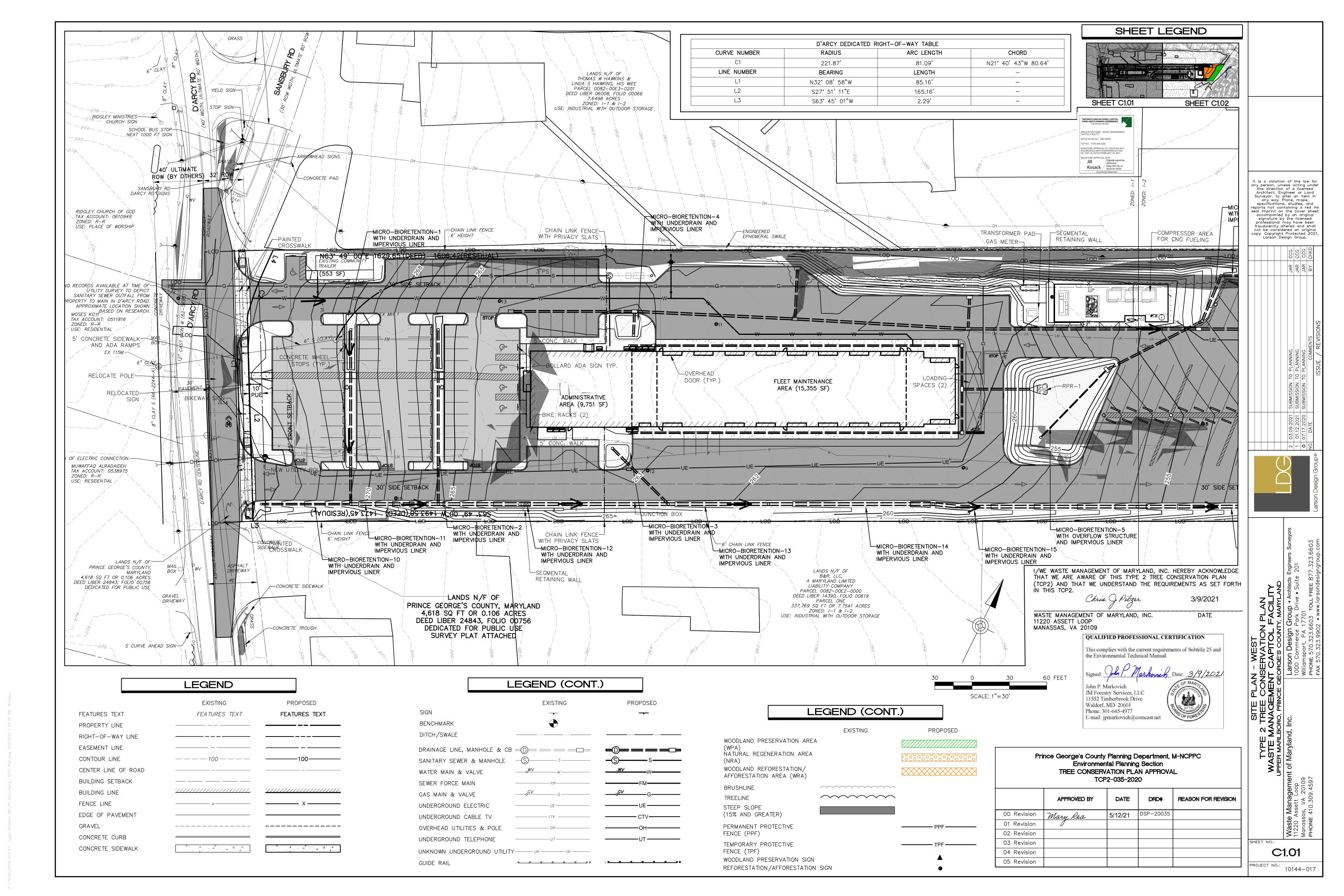
	APPROVED BY	DATE	DRD#	REASON FOR REVISION
00 Revision	Mary Rea	5/12/2021	DSP-20035	
01 Revision				
02 Revision				
03 Revision				
04 Revision				
05 Revision				

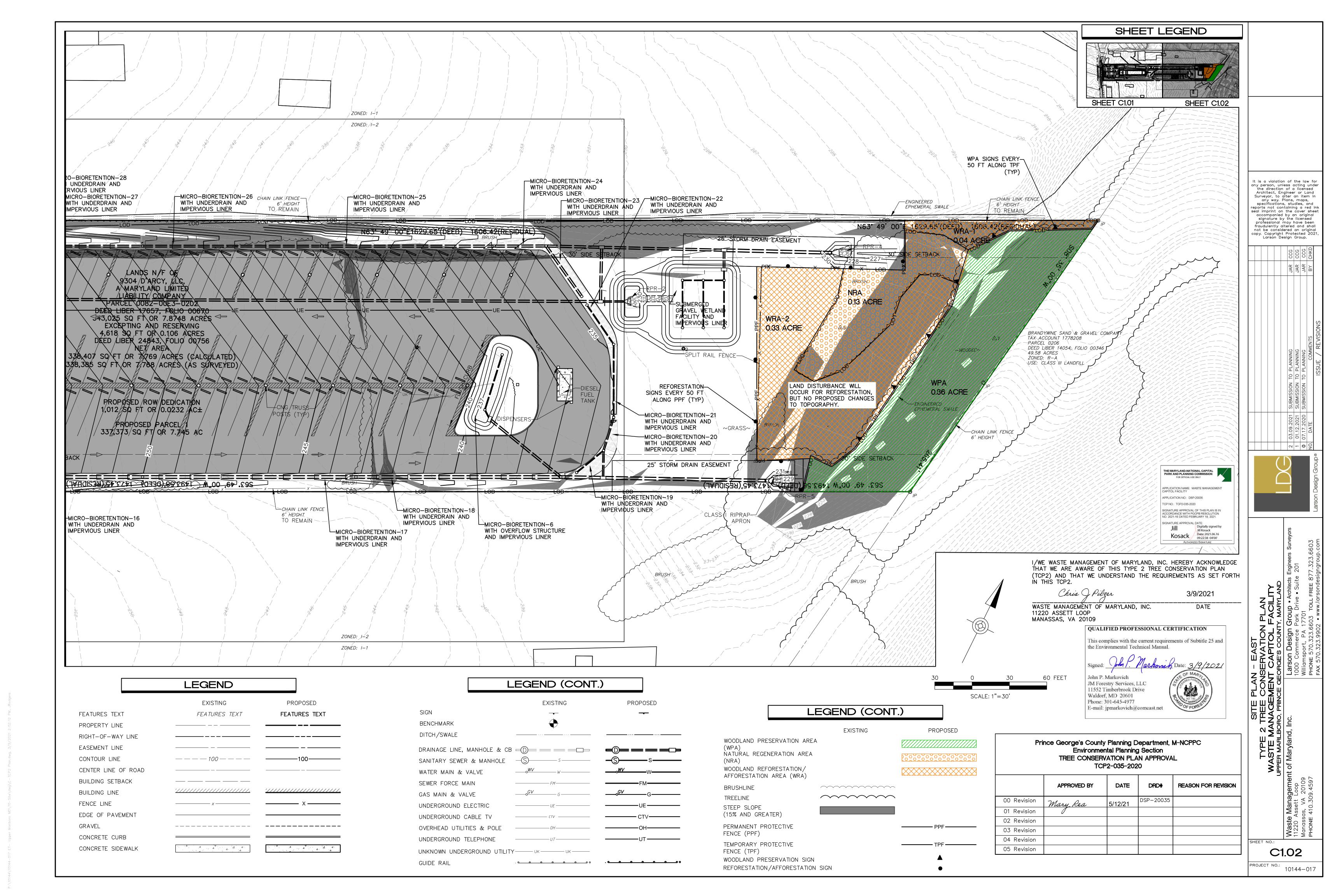
It is a violation of the law fo any way. Plans, maps, specifications, studies, a fraudulently altered and sha

		900	900	CCG	BY CHKD	
		JAR	JAR	JAR	ВҮ	
		.09.2021 SUBMISSION TO PLANNING	.12.2021 SUBMISSION TO PLANNING	.17.2020 SUBMISSION TO PLANNING	COMMENTS	
		.09.2021	.12.2021	.17.2020	DATE	



**G0.00** PROJECT NO.: 10144-017





- 1. THIS PLAN IS SUBMITTED TO FULFILL THE WOODLAND CONSERVATION REQUIREMENTS FOR DSP-20035 . IF DSP-20035 EXPIRES, THEN THIS TCP2 ALSO EXPIRES AND IS NO LONGER
- 2.CUTTING OR CLEARING WOODLANDS 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.
- 3.A PRE-CONSTRUCTION MEETING IS REQUIRED PRIOR TO THE ISSUANCE OF GRADING PERMITS. THE DEPARTMENT OF PERMITTING, INSPECTIONS AND ENFORCEMENT (DPIE), 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 ENVIRONMENTAL STRATEGY AREA ESA-2 FORMERLY THE DEVELOPING TIER AND IS ZONED I-1.
- 7.THE SITE IS NOT ADJACENT TO A ROADWAY DESIGNATED AS SCENIC, HISTORIC, A PARKWAY OR A SCENIC BYWAY.
- 8. THE SITE IS NOT ADJACENT TO A ROADWAY CLASSIFIED AS ARTERIAL OR GREATER.
- 9. THIS PLAN IS NOT GRANDFATHERED BY CB27-2010, SECTION 25-119(G).
- TREE PRESERVATION AND RETENTION NOTES
- 10. 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 TCP2.
- 11. TREE AND WOODLAND CONSERVATION METHODS SUCH AS ROOT PRUNING SHALL BE CONDUCTED AS NOTED ON THIS PLAN.
- 12. 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
- 13. 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.
- 14. WOODLAND PRESERVATION AREAS SHALL BE POSTED WITH SIGNAGE AS SHOWN ON THE PLANS AT THE SAME TIME AS THE TEMPORARY TCF INSTALLATION. THESE SIGNS MUST
- REMAIN IN PERPETUITY. REMOVAL OF HAZARDOUS TREES OR LIMBS BY DEVELOPERS OR BUILDERS
- 15. 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.
- 16. 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 TREES HAS A POTENTIAL TO FALL AND STRIKE A STRUCTURE, PARKING AREA, OR OTHER HIGH USE AREA AND RESULT IN PERSONAL INJURY OR PROPERTY DAMAGE.
- 17. 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.
- 18. 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.
- a.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 PHOTOGRAPHS SHALL BE SUBMITTED TO THE INSPECTOR FOR DOCUMENTATION OF THE DAMAGE.
- b.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.
- c. 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.

### <u>AFFORESTATION AND REFORESTATION NOTES</u>

- 19. 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.
- 20. THE PLANTING OF AFFORESTATION OR REFORESTATION AREAS SHALL BE COMPLETED PRIOR TO THE ISSUANCE OF THE FIRST BUILDING PERMIT. SEEDLING PLANTING IS TO OCCUR FROM NOVEMBER THROUGH MAY ONLY. NO PLANTING SHALL BE DONE WHILE THE GROUND IS FROZEN. PLANTING WITH LARGER CALIPER STOCK OR CONTAINERIZED STOCK MAY BE DONE AT ANY TIME PROVIDED A DETAILED MAINTENANCE SCHEDULE IS PROVIDED.
- 21. 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 COUNTY INSPECTOR.
- 22.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
- 23. 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 THE CLEARING AND GRADING OF THE SITE. FAILURE TO INSTALL AND MAINTAIN TEMPORARY OR PERMANENT TREE PROTECTIVE FENCING IS A VIOLATION OF THIS TCP2.
- 24. 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.
- 25. THE COUNTY INSPECTOR SHALL BE NOTIFIED PRIOR TO SOIL PREPARATION OR INITIATION OF ANY TREE PLANTING ON THIS SITE.
- 26.AT 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.
- 27.RESULT OF ANNUAL SURVIVAL CHECK FOR EACH OF THE REQUIRED FOUR YEARS AFTER TREE PLANTING SHALL BE REPORTED TO THE M-NCPPC, PLANNING DEPARTMENT

28. 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.

#### PLANTING SPECIFICATION NOTES

- 29. QUANTITY: (SEE PLANT SCHEDULE)
- 30. TYPE: (SEE PLANT SCHEDULE)
- 31. PLANT QUALITY STANDARDS: THE PLANTS SELECTED SHALL BE HEALTHY AND STURDY REPRESENTATIVE OF THEIR SPECIES.
- 32. 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 SOILS 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.
- 33.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.
- 34. 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 ON SOIL SAMPLE FOR EACH AREA THAT APPEARS TO HAVE A DIFFERENT SOIL TYPE (IF THE ENTIRE AREA APPEARS UNIFORM, THEN ONLY ON 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 35. SOIL IMPROVEMENT MEASURES: THE SOIL SHALL THEN BE IMPROVED ACCORDING TO THE RECOMMENDATIONS MADE BY THE TESTING COMPANY.
- 36.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.
- 37. PLANTING METHOD: CONSULT THE PLANTING DETAIL(S) SHOWN ON THIS PLAN. 38. MULCHING: APPLY TWO-INCH THICK LAYER OF WOODCHIP OR SHREDDED HARDWOOD MULCH (AS NOTED) TO EACH PLANTING SITE (SEE DETAIL SHOWN ON THIS PLAN).
- 39. GROUNDCOVER ESTABLISHMENT: THE REMAINING DISTURBED AREA BETWEEN SEEDLING PLANTING SITES SHALL BE SEEDED AND STABILIZED WITH WHITE CLOVER SEED AT THE RATE OF 5 LBS/ACRE.
- 40. MOWING: NO MOWING SHALL BE ALLOWED IN ANY PLANTING AREA.
- 41. SURVIVAL CHECK FOR BOND RELEASE: THE PLANTING IS TO BE CHECKED AT THE END OF EACH YEAR FOR FOUR YEARS TO ASSURE THAT NO LESS THAN THE REQUIRED STOCKING FOR THE PLANT SIZES UTILIZED. IF THE MINIMUM NUMBER HAS NOT BEEN PROVIDED THE AREA MUST BE SUPPLEMENTED WITH ADDITIONAL TREES TO REACH THE REQUIRED NUMBER AT TIME OF PLANTING.

#### NATURAL REGENERATION NOTES

- ALL AREAS DESIGNATED FOR REFORESTATION SHALL BE REFORESTED BY NATURAL REGENERATION. THE FOLLOWING REQUIREMENTS AND CONDITIONS APPLY:
- 42. ALL EXISTING TURF, GROUND COVERS, AND INVASIVE SPECIES SHALL BE EXTERMINATED USING A GENERAL BROADCAST HERBICIDE SUCH AS "ROUND-UP" OR EQUIVALENT. SECONDARY APPLICATION SHALL BE APPLIED AS NECESSARY
- 43.CARE SHALL BE TAKEN TO AVOID SPRAYING ANY HARDWOOD SEEDLINGS OR SAPLINGS. 44.ROTO-TILLING OF TURF AREAS AND MANUAL REMOVAL OF INVASIVE VINES SHALL BE
- COMPLETED TWO WEEKS AFTER CHEMICAL TREATMENTS ARE COMPLETED. 45.REFORESTATION SIGNS SHALL BE INSTALLED EVERY FIFTY FEET OR AS APPROPRIATE AND TWO STRAND WIRE FENCING SHALL BE INSTALLED ALONG THE ROAD FRONTAGES ADJACENT TO
- ANY REFORESTATION AREAS. 46.REFORESTATION INTERNAL TO THE SITE SHALL BE POSTED AS REQUIRED IN THE DIRECTION OF ANY TRAILS USED TO REACH THOSE AREAS.
- 47.NATURAL REGENERATION SHALL BE ENCOURAGED BY SEMI-ANNUAL MAINTENANCE OF THE DESIGNATED AREAS. THE MAINTENANCE SHALL, AT A MINIMUM, REQUIRE REMOVAL OF COMPETITIVE AND INVASIVE SPECIES FROM THE DESIRED INDIGENOUS HARDWOODS. THIS MAINTENANCE SHALL OCCUR FOR A PERIOD OF TWO YEARS.
- 48. AFTER ONE AND TWO YEARS ALL DESIRABLE SEEDLINGS AND SAPLINGS SHALL BE COUNTED AND FLAGGED WITH SURVEYORS TAPE IN THE LATE FALL.
- 49.IF IN TWO YEARS THERE IS LESS THAN ONE SEEDLING PER 60 SQUARE FEET AND THERE ARE INDICATIONS THAT NATURAL REGENERATION IS NOT OCCURRING ADEQUATELY THEN THE OWNERS SHALL PLANT THOSE AREAS WITH CONTAINER GROWN SEEDLINGS AT A RATE OF ONE PER 60 SQUARE FEET. ONLY NATURALLY OCCURRING SPECIES ALREADY PRESENT WITHIN THE SITE SHALL BE USED.
- 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 (2 X MONTH)
- CONTROL OF UNDESIRABLE VEGETATION AS NEEDED (1 X IN JUNE AND 1 X IN SEPTEMBER MINIMUM)
- 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 MINIMUM)
- 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 RECOMMENDATIONS WILL BE CONDUCTED ON AN AS NEEDED BASIS.
- WHEN OFF-SITE WOODLAND CONSERVATION IS PROPOSED 50.PRIOR TO THE ISSUANCE OF THE FIRST PERMIT FOR THE 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 RECORDATION OF THE OFF-SITE CONSERVATION SHALL BE PROVIDED TO THE M-NCPPC, PLANNING DEPARTMENT PRIOR TO THE ISSUANCE OF ANY PERMIT FOR THE ASSOCIATED PLAN. IN ACCORDANCE WITH SUBTITLE 25, DIVISION 2, SEC. 25-122. METHODS FOR MEETING THE WOODLAND AND WILDLIFE CONSERVATION REQUIREMENTS, IF OFF-SITE WOODLAND CONSERVATION IS APPROVED TO MEET THE REQUIREMENTS, THEN THE FOLLOWING LOCATIONS SHALL BE CONSIDERED IN THE ORDER LISTED: WITHIN THE SAME EIGHT-DIGIT SUB-WATERSHED, WITHIN THE SAME WATERSHED, WITHIN THE SAME RIVER BASIN, WITHIN THE SAME GROWTH POLICY TIER, OR WITHIN PRINCE
- GEORGE'S COUNTY. APPLICANTS SHALL DEMONSTRATE TO THE PLANNING DIRECTOR OR DESIGNEE DUE DILIGENCE IN SEEKING OUT OPPORTUNITIES FOR OFF-SITE WOODLAND CONSERVATION LOCATIONS FOLLOWING THESE PRIORITIES. ALL WOODLAND CONSERVATION IS REQUIRED TO BE MET WITHIN PRINCE GEORGE'S COUNTY.

THE RECOMMENDATION OF THE INVASIVE PLANT REMOVAL PLAN SHOWN ON THIS PLAN.

- WHEN INVASIVE PLANT SPECIES ARE TO BE REMOVED BY THE PERMITTED 51. INVASIVE PLANT REMOVAL SHALL BE COMPLETED PRIOR TO THE START OF THE AFFORESTATION AND PRIOR TO ISSUANCE OF THE FIRST BUILDING PERMIT AND CONFORM TO
- 52. THE REMOVAL OF NOXIOUS, INVASIVE, AND NON-NATIVE PLANT SPECIES SHALL BE DONE WITH THE USE OF HAND-HELD EQUIPMENT ONLY SUCH AS PRUNERS OR A CHAIN SAW. THESE PLANTS MAY BE CUT NEAR THE GROUND AND THE MATERIAL LESS THAN TWO INCHES DIAMETER MAY BE REMOVED FROM THE AREA AND DISPOSED OF APPROPRIATELY. ALL MATERIAL FROM THESE NOXIOUS, INVASIVE, AND NON-NATIVE PLANTS GREATER THAN TWO (2) INCHES DIAMETER SHALL BE CUT TO ALLOW CONTACT WITH THE GROUND, THUS ENCOURAGING
- DECOMPOSITION. 53. THE USE OF BROADCAST SPRAYING OF HERBICIDES IS NOT PERMITTED. HOWEVER, THE USE

- OF HERBICIDES TO DISCOURAGE RE-SPROUTING OF INVASIVE, NOXIOUS OR NON-NATIVE PLANTS IS PERMITTED IF DONE AS AN APPLICATION OF THE CHEMICAL DIRECTLY TO THE CUT STUMP IMMEDIATELY FOLLOWING CUTTING OF PLANT TOPS. THE USE OF ANY HERBICIDE SHALL BE DONE IN ACCORDANCE WITH THE LABEL INSTRUCTIONS AND BE APPLIED BY A CERTIFIED PESTICIDE APPLICATOR
- 54.MOTORIZED EQUIPMENT MANY BE USED FOR THE INVASIVE SPECIES CONTROL IN AFFORESTATION AREAS ONLY AND ONLY PRIOR TO ANY TREE PLANTING. THIS EQUIPMENT MAY NOT BE USED IN NATURAL REGENERATION AREAS OR WOODLAND PRESERVATION AREAS. POST DEVELOPMENT NOTES
- WHEN WOODLANDS AND/OR SPECIMEN, HISTORIC OR CHAMPION TREES ARE TO REMAIN: 55.IF THE DEVELOPER OR BUILDER NO LONGER HAS AN INTEREST IN THE PROPERTY AND THE NEW OWNER DESIRES TO REMOVE A HAZARDOUS TREE OR PORTION THEREOF, THE NEW OWNER SHALL OBTAIN A WRITTEN STATEMENT FROM A CERTIFIED ARBORIST OR LICENSED TREE EXPERT IDENTIFYING THE HAZARDOUS CONDITION AND THE PROPOSED CORRECTIVE MEASURES PRIOR TO HAVING THE WORK CONDUCTED. AFTER PROPER DOCUMENTATION HAS BEEN COMPLETED PER THE HANDOUT "GUIDANCE FOR PRINCE GEORGE'S COUNTY PROPERTY OWNERS. PRESERVATION OF WOODLAND CONSERVATION AREAS", THE ARBORIST OR TREE EXPERT MAY THEN REMOVE THE TREE. THE STUMP SHALL BE CUT AS CLOSE TO THE GROUND AS POSSIBLE AND LEFT IN PLACE. THE REMOVAL OR GRINDING OF THE STUMPS IN THE WOODLAND CONSERVATION AREA IS NOT PERMITTED.
- 56.IF A TREE OR PORTION THEREOF ARE IN IMMINENT DANGER OF STRIKING A STRUCTURE, PARKING AREA. OR OTHER HIGH USE AREAS 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.
- 57.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.
- 58. 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 PLANT 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.
- 59. THE USE OF BROADCAST SPRAYING OF HERBICIDES IS NOT PERMITTED. HOWEVER, THE USE OF HERBICIDES TO DISCOURAGE RE-SPROUTING OF INVASIVE, NOXIOUS, OR NON-NATIVE PLANTS IS PERMITTED IF DONE AS AN APPLICATION OF THE CHEMICAL DIRECTLY TO THE CUT STUMP IMMEDIATELY FOLLOWING CUTTING OF PLANT TOPS. THE USE OF ANY HERBICIDE SHALL BE DONE IN ACCORDANCE WITH THE LABEL INSTRUCTIONS.
- 60.THE USE OF CHAINSAWS IS EXTREMELY DANGEROUS AND SHOULD NOT BE CONDUCTED WITH POORLY MAINTAINED EQUIPMENT, WITHOUT SAFETY EQUIPMENT, OR BY INDIVIDUALS NOT TRAINED IN THE USE OF THIS EQUIPMENT FOR THE PRUNING AND/OR CUTTING OF TREES. PROTECTION OF REFORESTATION AND AFFORESTATION AREAS
- 61. REFORESTATION FENCING AND SIGNAGE SHALL REMAIN IN PLACE IN ACCORDANCE WITH THE APPROVED TYPE 2 TREE CONSERVATION PLAN.
- 62.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.

WOODLAND CONSERVATION

AREA

REFORESTATION

PROJECT

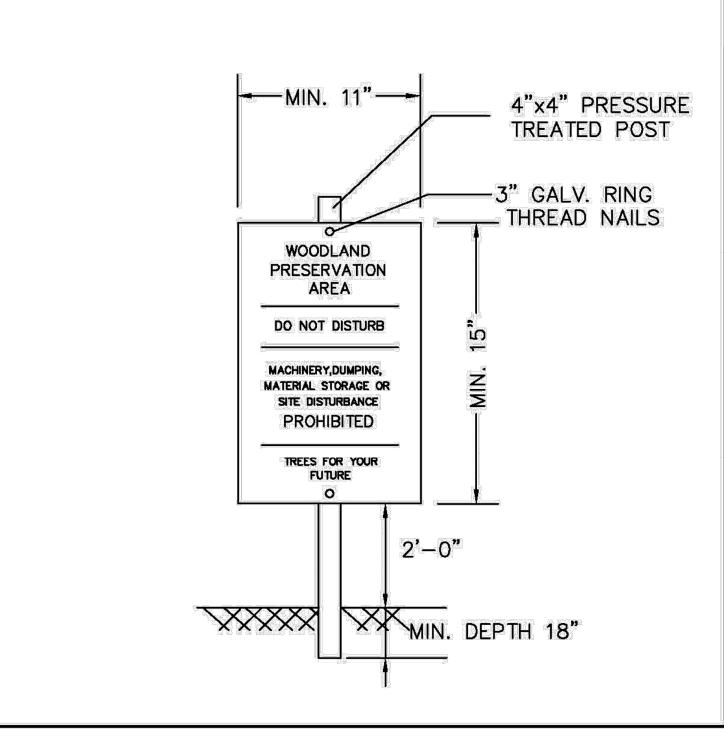
DISTURBANCE TO SEEDLINGS,

SHRUBS OR TREES IS

PROHIBITED

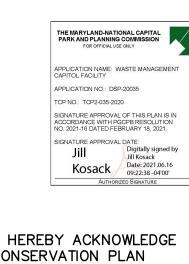
TREES FOR YOUR

MIN. DEPTH 18"



- 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 FEET ALONG FENCING.

7. SIGNS SHOULD BE IN PLACE IMMEDIATELY FOLLOWING STAKE OUT OF L.O.D., AND REMAIN IN PLACE IN PERPETUITY.



3/9/2021

DATE

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I/WE WASTE MANAGEMENT OF MARYLAND, INC. 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.

WASTE MANAGEMENT OF MARYLAND, INC. 11220 ASSETT LOOP MANASSAS, VA 20109

Chris Pilzer



## Prince George's County Planning Department, M-NCPPC Environmental Planning Section TREE CONSERVATION PLAN APPROVAL TCP2-035-2020

	APPROVED BY	DATE	DRD#	REASON FOR REVISION
00 Revision	Mary Rea	5/12/21	DSP-20035	
01 Revision				
02 Revision				
03 Revision				
04 Revision				
05 Revision				

10144-017

ROJECT NO.:

A-4, DET-2

4"x4" PRESSURE

TREATED POST

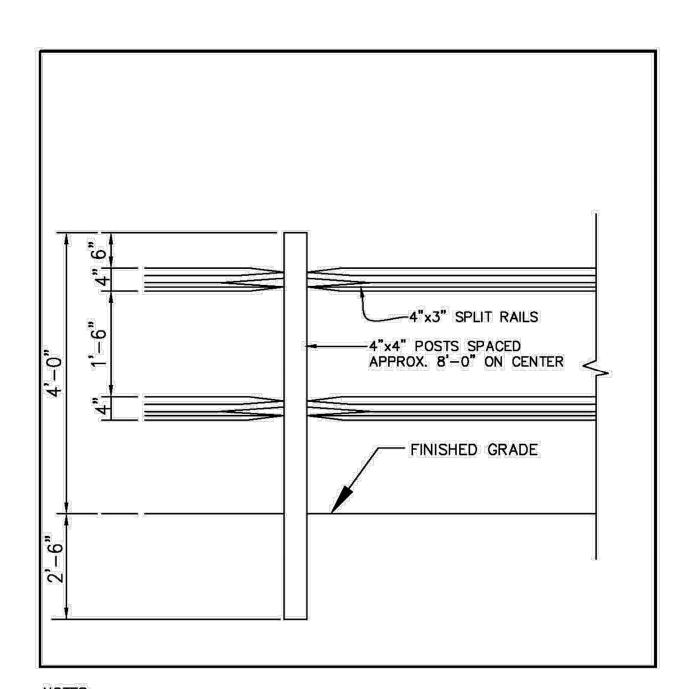
·3" GALV. RING

THREAD NAILS

- 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 FEET ALONG FENCING.
- 7. SIGNS SHOULD BE IN PLACE IMMEDIATELY FOLLOWING
- STAKE OUT OF L.O.D., AND REMAIN IN PLACE IN PERPETUITY.

REFORESTATION AREA SIGN

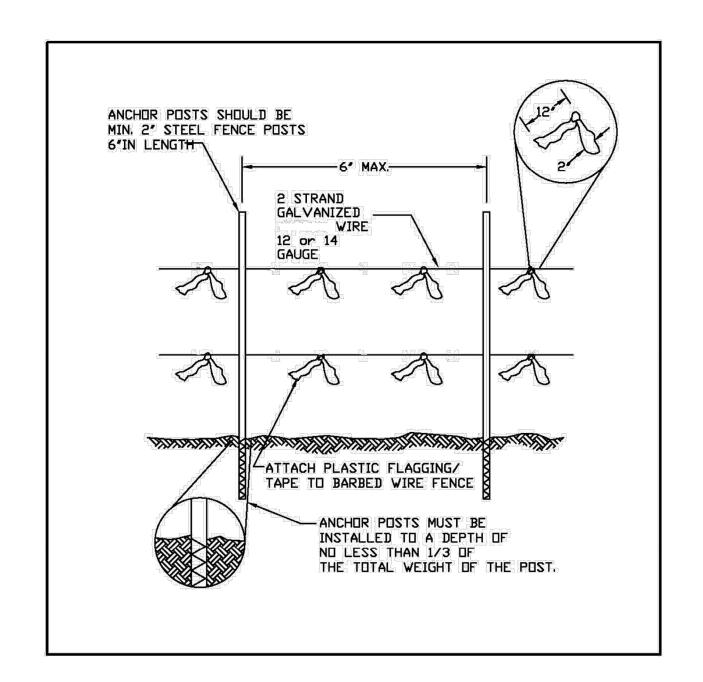
August 2010



- POSTS SHALL STAND PLUMB.
- 2. RAILS SHALL BE HUNG WITH UNIFORM HEIGHT AND SPACING.
- 3. REFORESTATION SIGNS TO BE ATTACHED TO WOOD POSTS EVERY 50 FEET...
- 4. TOP OF SIGN TO BE FLUSH WITH TOP OF WOOD POST.
- 5. SIGNS TO BE ATTACHED USING 2 GALVANIZED WOOD SCREWS EACH WITH A GALVANIZED WASHER.

PERMANENT (SPLIT RAIL) TREE PROTECTION FENCE FOR REFORESTATION AREAS

A-4, DET-9



NOTES: (MUST BE INCLUDED WITH DETAIL)

RETENTION AREA WILL BE SET AS PART OF THE REVIEW PROCESS BOUNDARIES OF RETENTION AREA SHOULD BE STAKED AND FLAGGED PRIOR TO INSTALLING DEVICE.

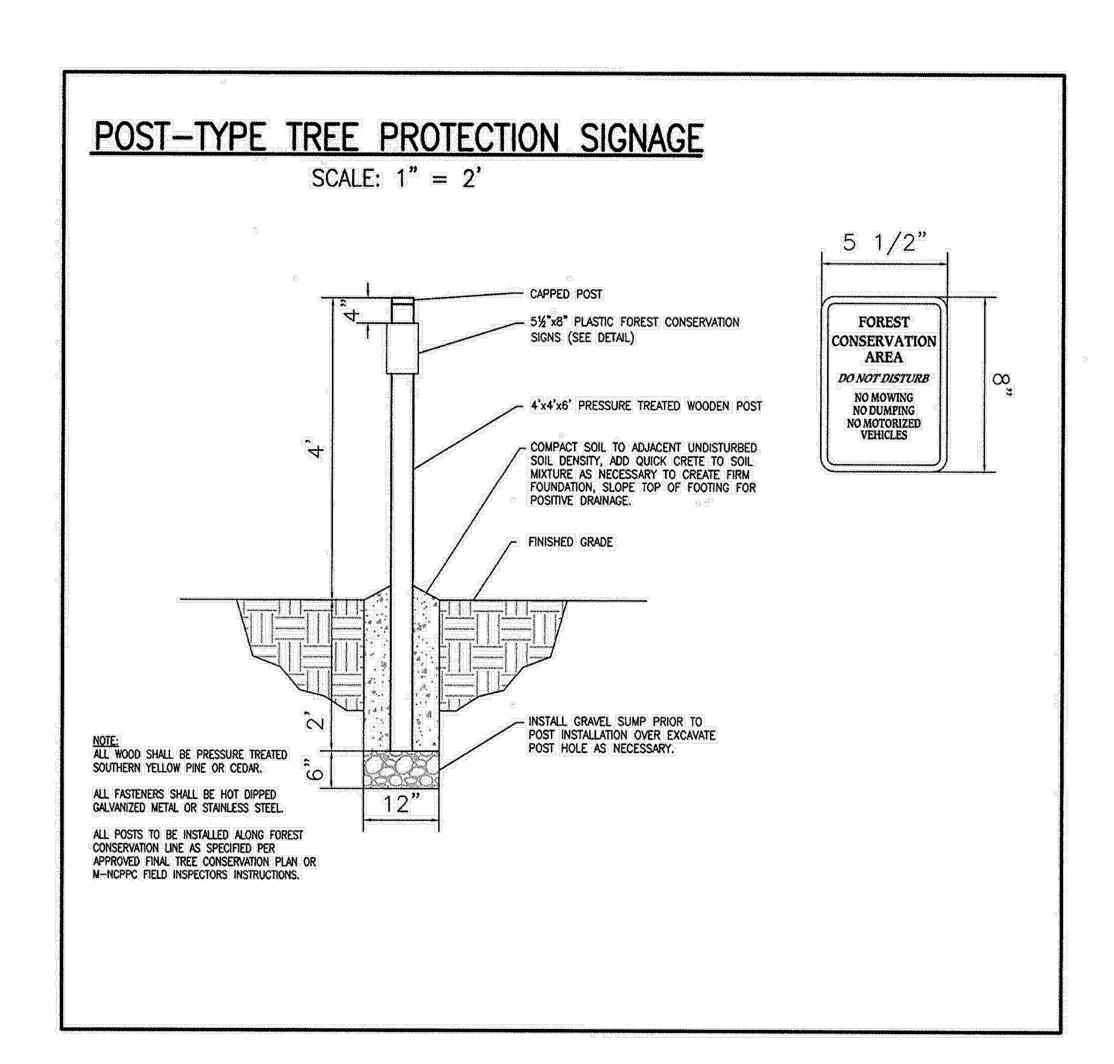
AVOID ROOT DAMAGE WHEN PLACING ANCHOR POSTS.

BARBED WIRE SHOULD BE SECURELY ATTACHED TO POSTS.

DEVICE SHOULD BE PROPERLY MAINTAINED DURING CONSTRUCTION. 7. PROTECTIVE SIGNAGE IS ALSO REQUIRED.

TYPE 2 (TEMPORARY) TREE PROTECTION FENCE FOR REFORESTATION AREAS

> A-4, DET-6 August 2010



#### Project Name: WASTE MANAGEMENT - TCP2-035-2020 INVASIVE SPECIES MANAGEMENT PLAN

**SCOPE OF PLAN:** THE REMOVAL OF INVASIVE SPECIES IDENTIFIED IN STAND A TO REDUCE THE AMOUNT OF INVASIVE SPECIES TO LESS THAN TWENTY PERCENT OF THE HERBACEOUS LAYER PER THE REQUIREMENTS OF THE ENVIRONMENTAL TECHNICAL MANUAL.

THE INVASIVE SPECIES INCLUDE TREE OF HEAVEN, BRADFORD PEAR, PAULOWNIA, MIMOSA, MULTIFLORA ROSE, JAPANESE HONEYSUCKLE, ASIAN BITTERSWEET AND WINEBERRY. SOME OF THE VINES ENTEND INTO THE CANOPY. THESE SPECIES ARE GENERALLY LOCATED WITHIN THE NATURAL REGENERATION AREA AND THE AFFORESTATION AREA.

#### SITE EVALUATION PRIOR TO CONTROL MEASURE INITIATION

- AFTER THE LIMIT OF DISTURBANCE HAS BEEN ESTABLISHED IN THE FIELD, ALL AREAS OF THE PROJECT SITE WHERE INVASIVE VEGETATIVE SPECIES CONTROL WILL BE IMPLEMENTED SHALL BE EVALUATED BY, OR UNDER THE SUPERVISION OF, A CERTIFIED ARBORIST OR OTHER APPROPRIATELY QUALIFIED PROFESSIONAL TO DETERMINE QUANTITIES AND EXTENT OF SPECIFIC PLANT SPECIES TO BE CONTROLLED AND TO ASSIGN APPROPRIATE CONTROL MEASURES TO SITE SPECIFIC AREAS.
- PLANT SPECIES ARE MOST EASILY IDENTIFIED ONCE LEAF OUT HAS OCCURRED AND PRIOR TO LEAF DROP IN THE FALL. THE INITIAL SITE EVALUATION MAY TAKE PLACE AT ANY TIME DURING THE GROWING SEASON IN CONJUNCTION WITH DETERMINATION AND MARKING OF THE LIMIT OF DISTURBANCE IN THE FIELD.

#### **BEST MANAGEMENT PRACTICES**

THE RECOMMENDED GUIUDIANCE FOR BMPS FOR INVASIVE SPECIES REMOVAL ARE THOSE FOUND IN "BEST MANAGEMENT PRACTICES FOR CONTROL OF NON-NATIVE INVASIVES" (2009 OR MOST RECENT REVISION) PREPARED BY THE NATURAL RESOURCES STEWARDSHIP SECTION, PARK PLANNING AND RESOURCE STEWARDSHIP DIVISION, MONTGOMERY COUNTY DEPARTMENT OF PARKS, M-NCPPC AND CAN BE FOUND AT: http://www.montgomeryparks.org/PPSD/Natural\_Resources\_Stewardship/Veg\_Manage ment/documents/nni-bestmanagementpractices-jan2015.pdf

#### **INITIATION OF CONTROL MEASURES**

- PRIOR TO BEGINNING INVASIVE CONTROL, IDENTIFY AREAS OF EACH PLANT TO BE ERADICATED. UTILIZE A LICENSED HERBICIDE APPLICATOR AND OBTAIN APPROVAL FOR USE OF HERBICIDES.
- PER THE SPECIFIC CONTROL METHODS FOR EACH SPECIES, THERE ARE SEASONAL REQUIREMENTS FOR APPLICATION OF CONTROLS THAT WILL MAXIMIZE SUCCESSFUL IMPLEMENTATION OF CONTROL MEASURES WHICH SHOULD BE TAKEN INTO ACCOUNT WHEN THE SITE EVALUATION IS PERFORMED. THESE REQUIREMENTS SHALL BE DETERMINED BY THE QUALIFIED PROFESSIONAL AND IMPLEMENTED BY A MARYLAND LICENSED HERBICIDE APPLICATOR.
- 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 OR TO THE HERBACEOUS PLANT. THE USE OF ANY HERBICIDE SHALL BE DONE IN ACCORDANCE WITH THE LABEL INSTRUCTIONS AND BE APPLIED BY A MARYLAND CERTIFIED PESTICIDE
- CARE SHALL BE TAKEN NOT TO DAMAGE TRUNKS OF TREES AND NATIVE VEGETATION. ONLY HAND TOOLS SHOULD BE USED TO AVOID UNNECESSARY DISTURBANCE TO NATIVE VEGETATION AND SOIL.

- MOTORIZED WHEELED EQUIPMENT USED FOR HAULING SHALL NOT BE DRIVEN INTO THE FOREST AREA; IT SHOULD BE PARKED IN THE OPEN AREAS ADJACENT TO THE AREAS WHERE INVASIVE SPECIES ARE BEING CONTROLLED.
- ALL INVASIVE SPECIES CONTROL WORK SHALL BE DONE BY OR UNDER THE SUPERVISION OF A CERTIFIED ARBORIST OR APPROPRIATE LICENSED/QUALIFIED PROFESSIONAL
- ALL CUT VEGETATIVE MATERIAL LESS THAN 2" DIAMETER SHALL BE BAGGED AND DISPOSED OF IN THE LANDFILL; ALL MATERIAL GREATER THAN 2" DIAMETER SHALL BE CUT TO ALLOW CONTACT WITH THE GROUND, THUS ENCOURAGING DECOMPOSITION; MULCHING OF MATERIALS IS NOT PERMITTED ON-SITE AND NOT RECOMMENDED OFF-SITE.

#### **SUBSEQUENT SITE EVALUATIONS**

- THE SITE SHOULD BE EVALUATED ONCE MONTHLY ONCE CONTROL MEASURES HAVE BEEN INITIATED EACH GROWING SEASON, BETWEEN APRIL AND NOVEMBER OF EACH YEAR, TO MONITOR SUCCESS OF CONTROL MEASURES AND DETERMINE RECOMMENDATIONS FOR FURTHER ACTION BASED ON FIELD CONDITIONS.
- ALL SITE EVALUATIONS SHOULD BE PERFORMED BY, OR UNDER THE SUPERVISION OF, A CERTIFIED ARBORIST OR OTHER APPROPRIATELY QUALIFIED PROFESSIONAL. WRITTEN REPORTS OF SITE CONDITIONS FOUND DURING EACH SITE EVALUATION ALONG WITH RECOMMENDATIONS FOR FURTHER ACTION, SHOULD BE PREPARED BY THE SITE EVALUATOR WHICH SHOULD THEN BE SUBMITTED TO, REVIEWED, AND APPROVED BY THE SITE

#### PROPOSED MAINTENANCE PLAN

- MAINTENANCE SHOULD OCCUR BETWEEN MARCH NOVEMBER FOR A MINIMUM OF 4 YEARS. AFTER 2 YEARS THE SITE SHOULD BE EVALUATED FOR SUCCESS OF INVASIVES CONTROL AND MONITORED ANNUALLY UNTIL ALL INVASIVES HAVE BEEN SUCCESSFULLY ERADICATED TO A LEVEL OF LESS THAN 20 PERCENT. SINCE INVASIVES LIKELY OCCUR ON ADJACENT PROPERTIES, IT IS LIKELY THAT THE SITE WILL REQUIRE CONTINUOUS MONITORING TO ENSURE ADEQUATE INVASIVES CONTROL.
- INVASIVE PLANT REMOVAL SHALL BE COMPLETED PRIOR TO COMPLETION OF THE 4 YEAR MAINTENANCE AND MANAGEMENT PLAN AND CONFORM TO THE RECOMMENDATIONS OF THIS INVASIVE PLANT REMOVAL PLAN

PREPARED BY

JOHN P MARKOVICH **LICENSED FORESTER #153** 



SIGNATURE APPROVAL OF THIS PLAN IS IN ACCORDANCE WITH PGCPB RESOLUTION NO. 2021-16 DATED FEBRUARY 18, 2021. SIGNATURE APPROVAL DATE: Jill Kosack Date: 2021.06.16 09:22:38 -04'00' AUTHORIZED SIGNATURE

I/WE WASTE MANAGEMENT OF MARYLAND, INC. HEREBY ACKNOWLEDGE THAT WE ARE AWARE OF THIS TYPE 2 TREE CONSERVATION PLAN (TCP2) AND THAT WE UNDERSTAND THE REQUIREMENTS AS SET FORTH IN THÍS TCP2.

Chris Q Pilzer 3/9/2021

WASTE MANAGEMENT OF MARYLAND, INC. 11220 ASSETT LOOP MANASSAS, VA 20109

> **QUALIFIED PROFESSIONAL CERTIFICATION** This complies with the current requirements of Subtitle 25 and

the Environmental Technical Manual. John P. Markovich JM Forestry Services, LLC 11552 Timberbrook Drive Waldorf, MD 20601 Phone: 301-645-4977

Prince George's County Planning Department, M-NCPPC Environmental Planning Section

E-mail: jpmarkovich@comcast.net

	APPROVED BY	DATE	DRD#	REASON FOR REVISION
00 Revision	Mary Rea	5/12/21	DSP-20035	
01 Revision				
02 Revision				
03 Revision				
04 Revision				
05 Revision				

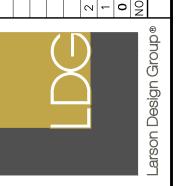
TREE CONSERVATION PLAN APPROVAL

TCP2-035-2020

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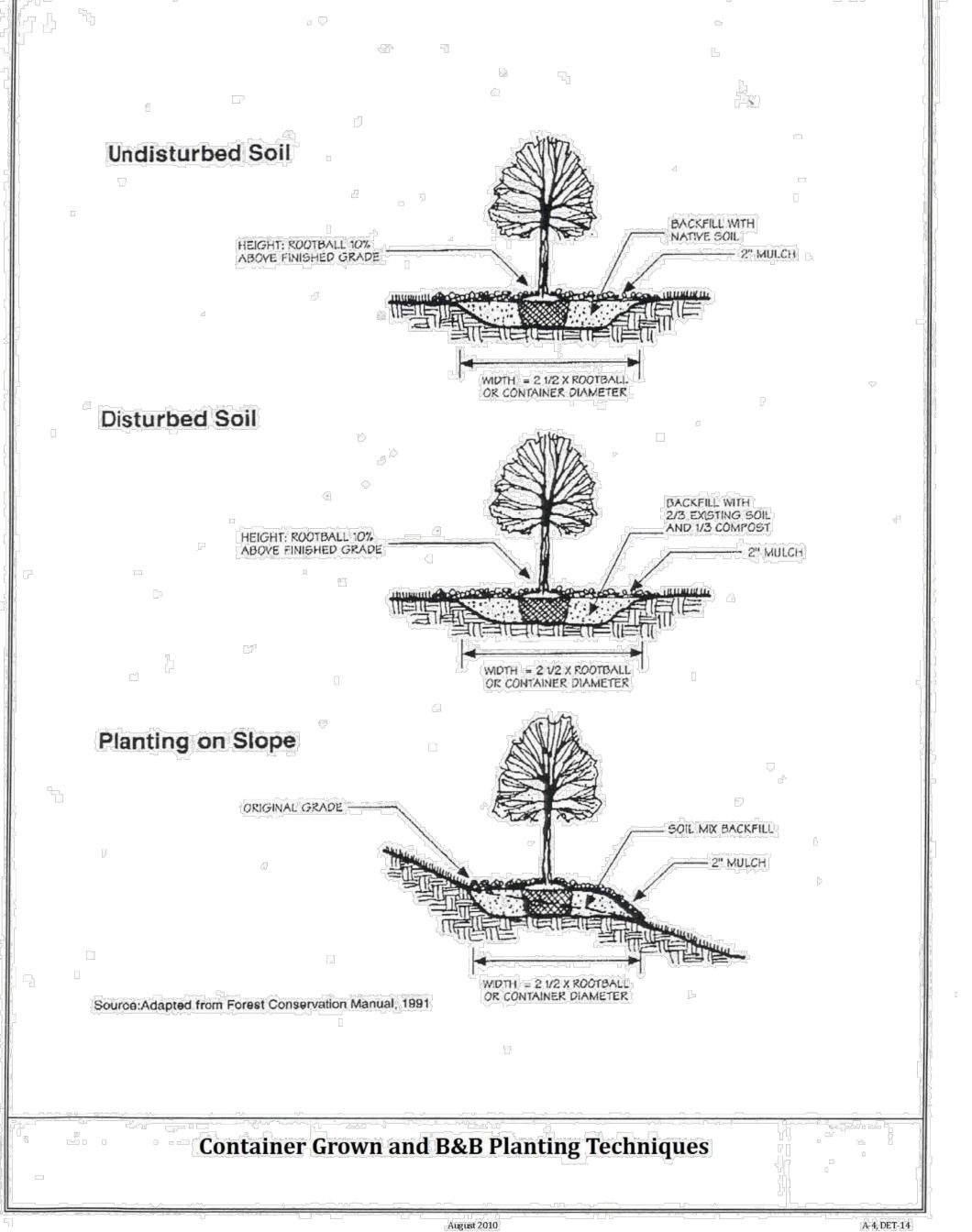
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		9.2021	2.2021	.2020	٩TE	



03

ROJECT NO.: 10144-017



Size	Number Required per Acre	Approximate Spacing feet on center	Survivability Requirement At the end of the second growing season		
Bare Root Seedlings or Whips	700	<b>8 x 8</b>	75%	525	
Container Grown Seedling Tubes (Minimum Cavity Width 1.5")	500	10 x 10	75%	375	
Container Grown 1, 2, 3 Gallon	400	12 x 12	75%	300	
Container Grown 5, 7 Gallon or 1" Caliper B & B	300	15 x 15	85%	255	
Container Grown 15, 25 Gallon or 1:5 - 2" Caliper B & B	150	20 x 20	100%	150	

- These stocking and survival requirements are the minimum numbers estimated to meet the definition of forest from bare land.
- In certain circumstances, any combination of the above mentioned stocking options, dry seeding, tree shelters, transplants, and/or natural regeneration may be appropriate strategies to fulfill the requirements of an approved TCP. They will be evaluated on a case-by-case basis by the approving authority.
- Spacing does not imply that trees or shrubs must be planted in a grid pattern.

## Site Stocking

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QUALIFIED PROFESSIONAL CERTIFICATION

the Environmental Technical Manual.

This complies with the current requirements of Subtitle 25 and

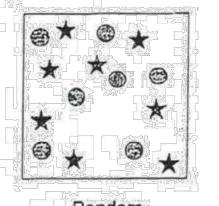
Chris J. Pilzer

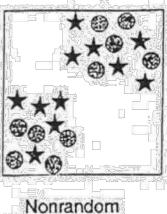
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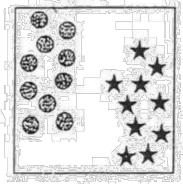
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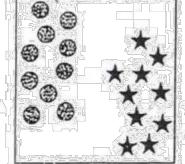


## Typical Forest Tree Distribution Patterns









Clumped Nonrandom Negative Association



Naturally occurring populations of trees tend to be found in informal groupings. A cluster of trees is really a mosaic of different species groups. The objective of an afforestation/reforestation plan is to select the appropriate species and distribution pattern for a chose site that mimic natural

Source: Prince Georges County Woodland Conservation Manual.

Positive Association



John P. Markovich JM Forestry Services, LLC 11552 Timberbrook Drive Waldorf, MD 20601 Phone: 301-645-4977 E-mail: jpmarkovich@comcast.net

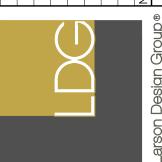
# Prince George's County Planning Department, M-NCPPC Environmental Planning Section TREE CONSERVATION PLAN APPROVAL TCP2-035-2020

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C2.03

PROJECT NO.: 10144-017

	Afforestation Area #1					Acreage	0.37	
Species			Large	Caliper Plantin	ig Stock		Reforestation	Percent of
Botanical Name	Common Name	Caliper	Height	Credits/Unit	Type	Quantity	Credits	Stocking
Liriodendron tulipifera	Tulip Poplar	1-1.5"		2.33	B&B	29	68	25.9%
Pin Oak	Quercus palustris	1-1.5"		2.33	B&B	29	68	25.9%
Liquidambar styraciflua	Sweetgum	1-1.5"		2.33	B&B	28	65	25.0%
Cercis canadensis	Redbud	1-1.5"		2.33	B&B	26	61	23.2%
		Seedling		1	Cont.		0	0.0%
				Refore	station Uni	its Provided	261	
				Total Refore	station Uni	ts Required	259	