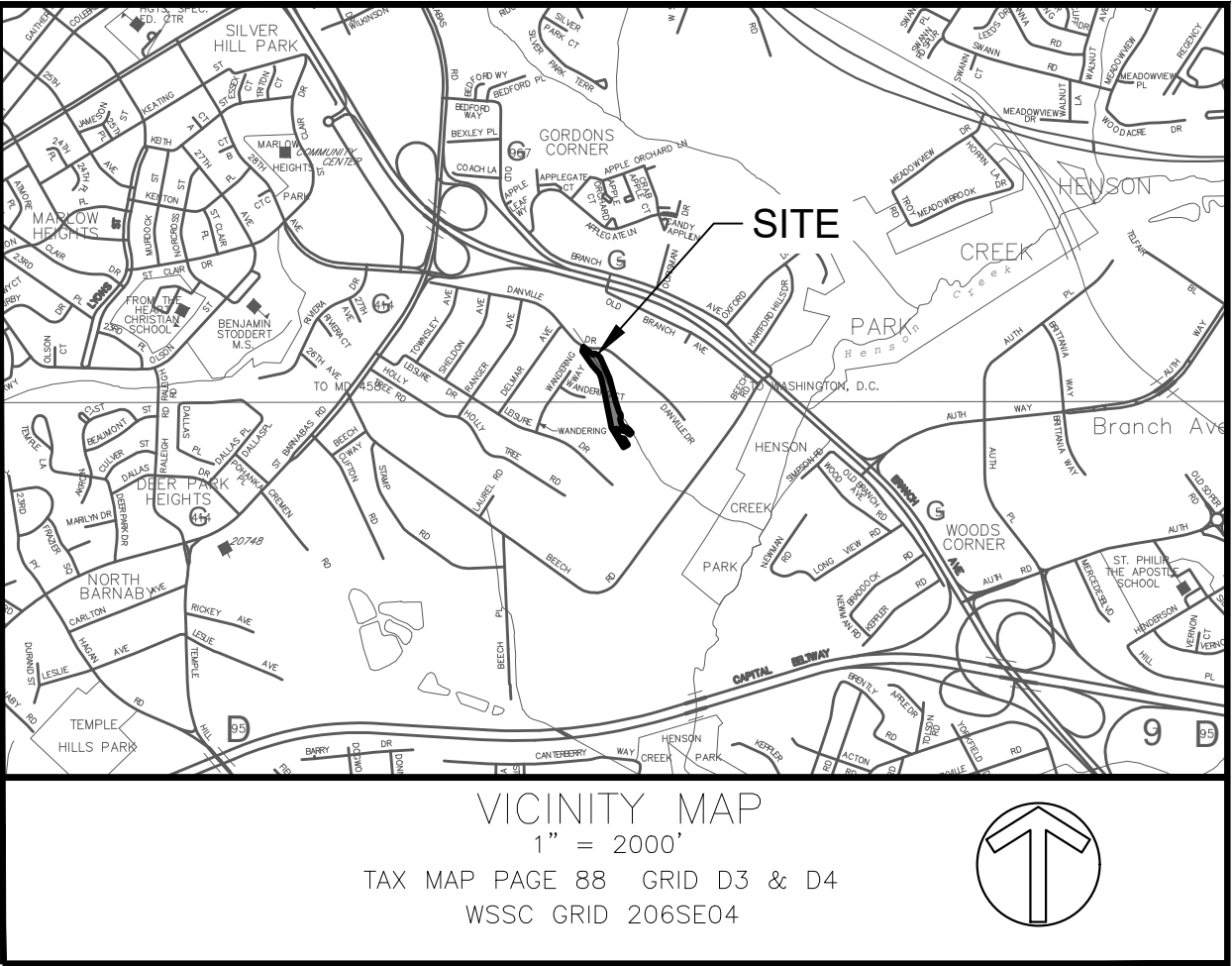
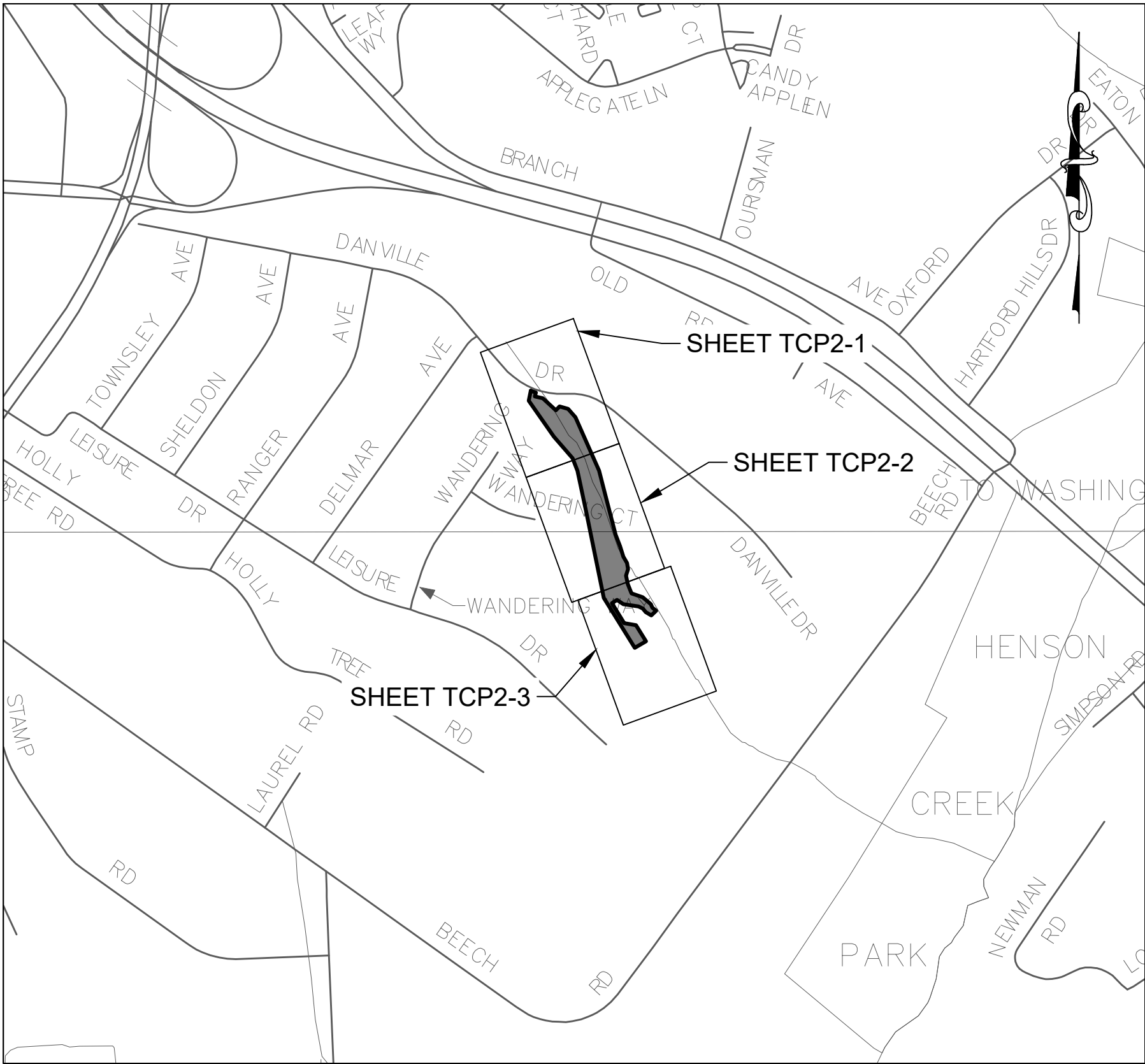


PRINCE GEORGE'S COUNTY, MARYLAND  
1801 McCORMICK DRIVE, SUITE 500  
LARGO, MARYLAND 20774  
TREE CONSERVATION PLAN 2 FOR  
HENSON CREEK TRIBUTARY S-20 STREAM RESTORATION  
PROJECT UNNAMED TRIBUTARY TO HENSON CREEK  
TEMPLE HILLS, MARYLAND  
COUNTY COUNCIL DISTRICT 7  
COUNTY COUNCIL PERSON: KRYSTAL ORIADHA



Forest Conservation Act Reporting Information (Change Table)				
	Original Approval	Revision Number (-01)	Revision Number (-02)	Change Since Last Approval
Net Tract (Acres)	1.28			
Existing Woodland (Acres)	1.35			
Woodland Cleared (Acres)	1.35			
Woodland Retained On-Site (Acres)	0			
Woodland Planted On-Site (Acres)	0			
On-Site Woodland Easement/ Preservation and Planting (Acres)	0			
On-Site Wooded Floodplain in Easement (Acres)	0			
Bond Amount	0			
Fee-In-Lieu Amount	0			
50' Stream Buffers Conserved (Preservation) - Linear Length	0			
50' Stream Buffers Conserved (Preservation) - Acreage	0			
50' Stream Buffers Newly Established (Afforestation) - Linear Length	2,080			
50' Stream Buffers Newly Established (Afforestation) - Acreage	1.28			
Off-Site Woodland Conservation Credits Required (Acres)	0			
Off-Site Woodland Conservation Credits Provided (Acres)	0			

Previous TCP Impacts			
Sheet - Number (s)	TCP Number	Area Within the LOD (SF/AC)	Total Tree Clearing (SF/AC)
1-3	TCP2-063-92	27,988 / 0.64	15,260 / 0.35



Woodland Conservation Summary Table											
Sheet	Gross Tract Area (AC)	100-Year Floodplain (FP) (AC)	Net Tract Area (NTA) (AC)	Ex. Woodland (NTA) (AC)	Ex. Woodland (FP) (AC)	Woodland Cleared Floodplain (C-FP) (AC)	Woodland Cleared Net-Tract (C-NTA) (AC)	Woodland Cleared Off-site (C-OS)	Woodland Preserv. Area (WPA)	Woodland Reforest. Area (WRA) (AC)	Woodland Retained / Not Credited (WR-NC)
TCP2-1	0.65	0.22	0.42	0.19	0.16	0.16	0.19	-	-	0.41	-
TCP2-2	1.23	0.64	0.59	0.29	0.55	0.55	0.29	-	-	0.80	-
TCP2-3	0.43	0.17	0.26	0.03	0.12	0.12	0.03	-	-	0.14	-
Total	2.31	1.03	1.28	0.51	0.84	0.84	0.51	-	-	1.35	-

PROPERTY OWNERS  
AWARENESS CERTIFICATE

I/We Jonathan R. Butler 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 Owner's Representative  
11/20/2024  
Date

DWG. 1 OF 6

**CENTURY**  
ENGINEERING  
A KLEINFELDER COMPANY  
10710 GILROY ROAD, HUNT VALLEY, MD 21031  
PHONE: 443-589-2400

THIS PLAN WAS PREPARED BY:  
DANIEL YEAGER, MD DNR QUALIFIED PROFESSIONAL

DANIEL YEAGER  
CENTURY ENGINEERING, LLC, A KLEINFELDER COMPANY  
10710 GILROY RD., HUNT VALLEY, MD 21031  
443-689-2670 / DYEAGER@CENTURYENG.COM  
11/5/2024  
DATE

DEPARTMENT OF THE ENVIRONMENT



CAPITAL PROJECTS SECTION  
STORMWATER MANAGEMENT  
DIVISION

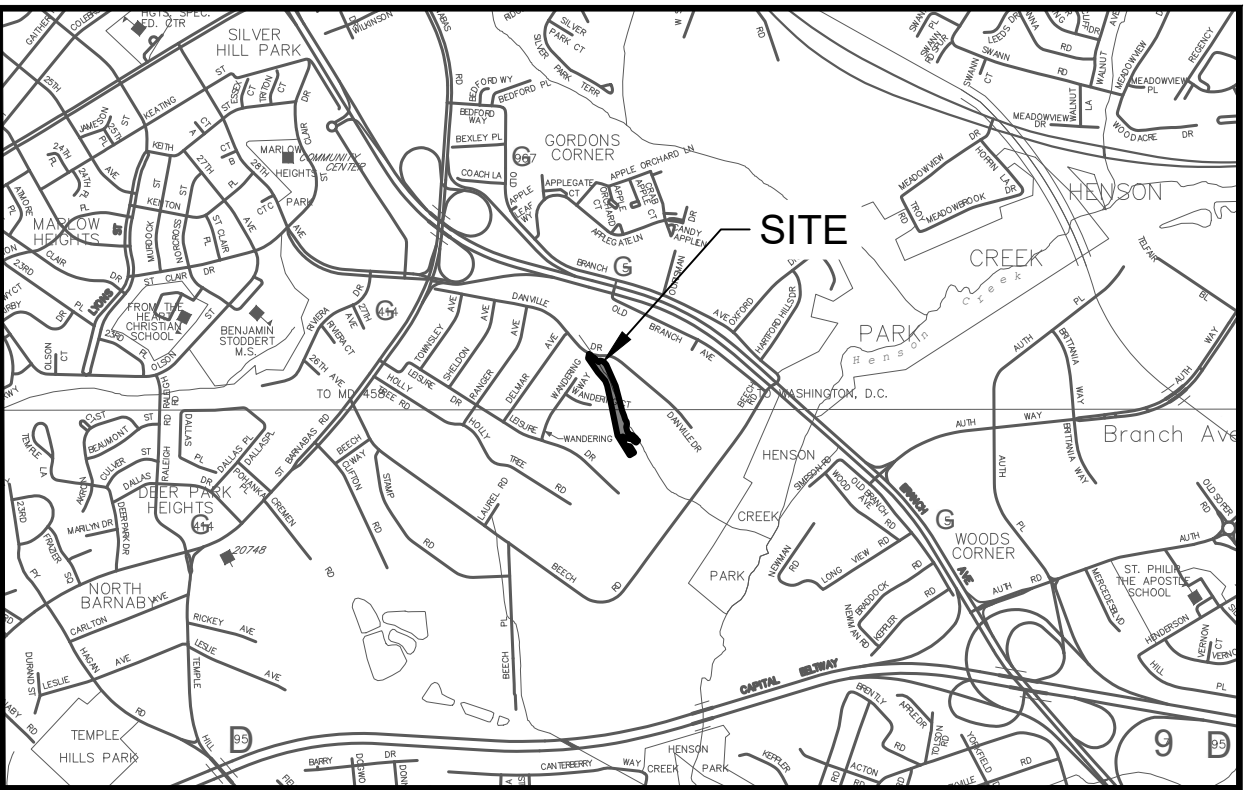
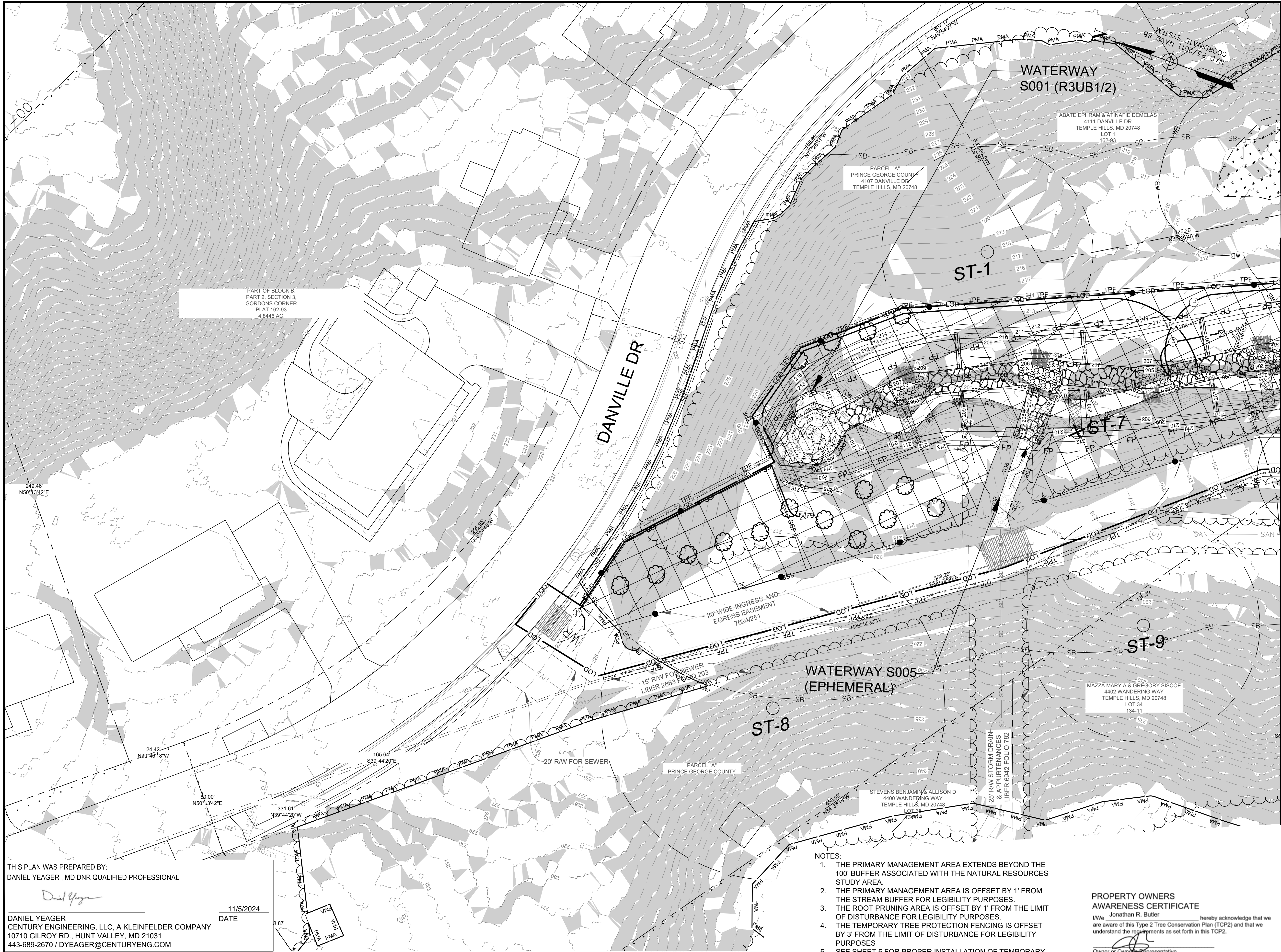
HENSON CREEK TRIBUTARY S-20  
STREAM RESTORATION  
PRINCE GEORGE'S COUNTY, MARYLAND  
ELECTION DISTRICT 5

TREE CONSERVATION PLAN 2  
TITLE SHEET

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 TCP2-034-2024			
Approved by	Date	DRD #	Reason for Revision
00	1/10/2025		N/A
01			
02			
03			
04			
05			





VICINITY MAP

1" = 2000'

TAX MAP PAGE 88 GRID D3 & D4

WSSC GRID 2065E04

WSSC GRID 2065E04

WSSC GRID 2065E04

WSSC GRID 2065E04

WSSC GRID 2065E04

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EXISTING FEATURES LEGEND

TOB TOP OF BANK

SB 100' STREAM BUFFER

NONTIDAL WETLAND

WB 25' NONTIDAL WETLAND BUFFER

FP DPIPE FLOODPLAIN (FPS #920093)

TREELINE

PMA PRIMARY MANAGEMENT AREA

EXISTING TCP BOUNDARY

STEEP SLOPES ≥15%

MAJOR CONTOUR

MINOR CONTOUR

PROPERTY BOUNDARY

EXISTING EASEMENT BOUNDARY

EX. EDGE OF PAVEMENT

EX. STRUCTURE

EX. FENCE

WATER LINE

SD STORM DRAIN PIPE

UNDERGROUND ELECTRIC

UGE

SAN SANITARY SEWER

EX. RIPRAP

EX. RIPRAP

EX. RIPRAP

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PROPOSED FEATURES LEGEND

LOD LIMIT OF DISTURBANCE

SCS STABILIZED CONSTRUCTION ENTRANCE

TEMPORARY MULCH ACCESS ROAD

SSF TIMBER MAT

CLEAN WATER DIKE / SEDIMENT DIKE

SANDBAG DIVERSION HOSE

PUMP AND DIVERSION

FILTER BAG

OUTLET PROTECTION

TREE TO BE REMOVED

225 5' MAJOR CONTOUR

224 1' MINOR CONTOUR

ROCK STEP STRUCTURE (RSS)

LOG SILL

WOODY HABITAT FEATURE (WHF)

WETLAND DEPRESSIONAL AREA

CLAY CHANNEL BLOCK

CLASS 1 CHANNEL BED MATERIAL

STABILITY MIX (RIFLE GRADE CONTROL)

RIPARIAN REFORESTATION (15,214 SF / 0.31 AC)

FLOODPLAIN REFORESTATION (4,826 SF / 0.11 AC)

REFORESTATION SIGN

TPF TEMPORARY TREE PROTECTION FENCING

ROOT PRUNING

INDIVIDUALLY PLACED 2" TREE

INDIVIDUALLY PLACED 2" TREE

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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

TCP2-034-2024

Approved by

Date

DRD #

Reason for Revision

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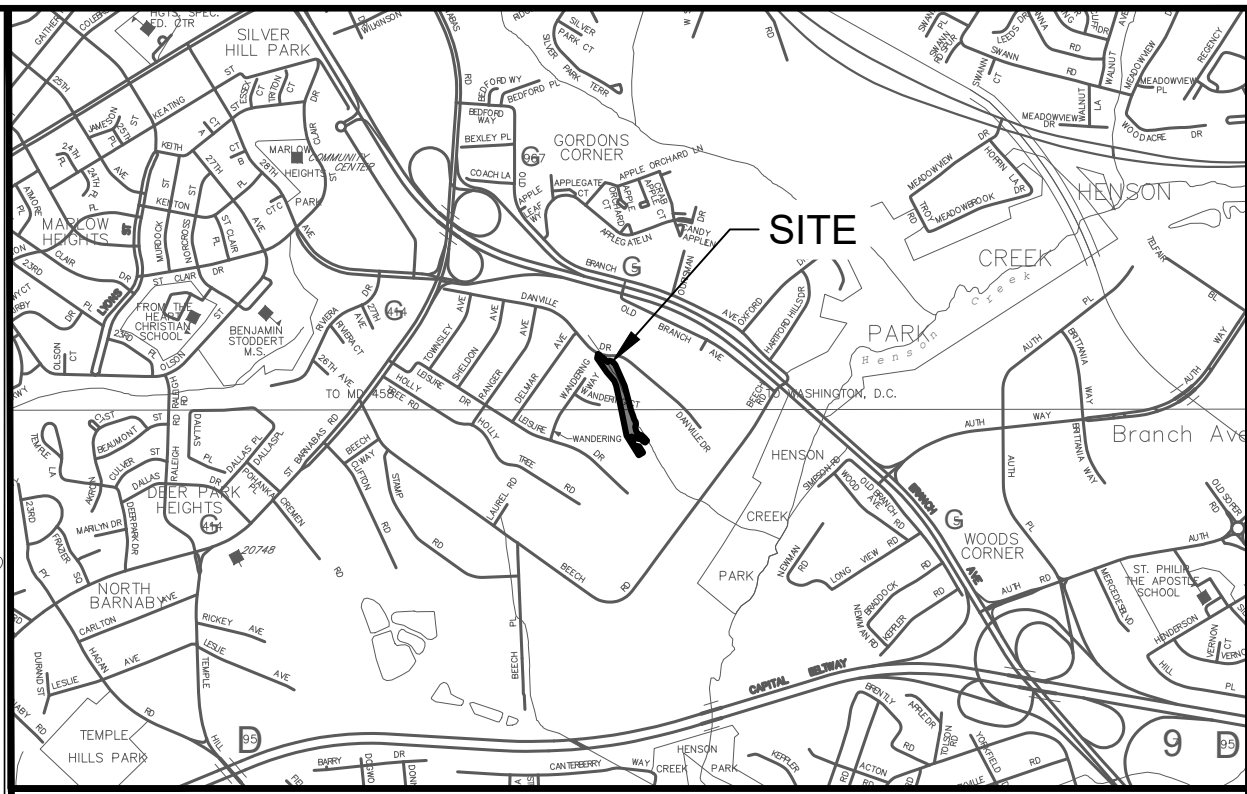
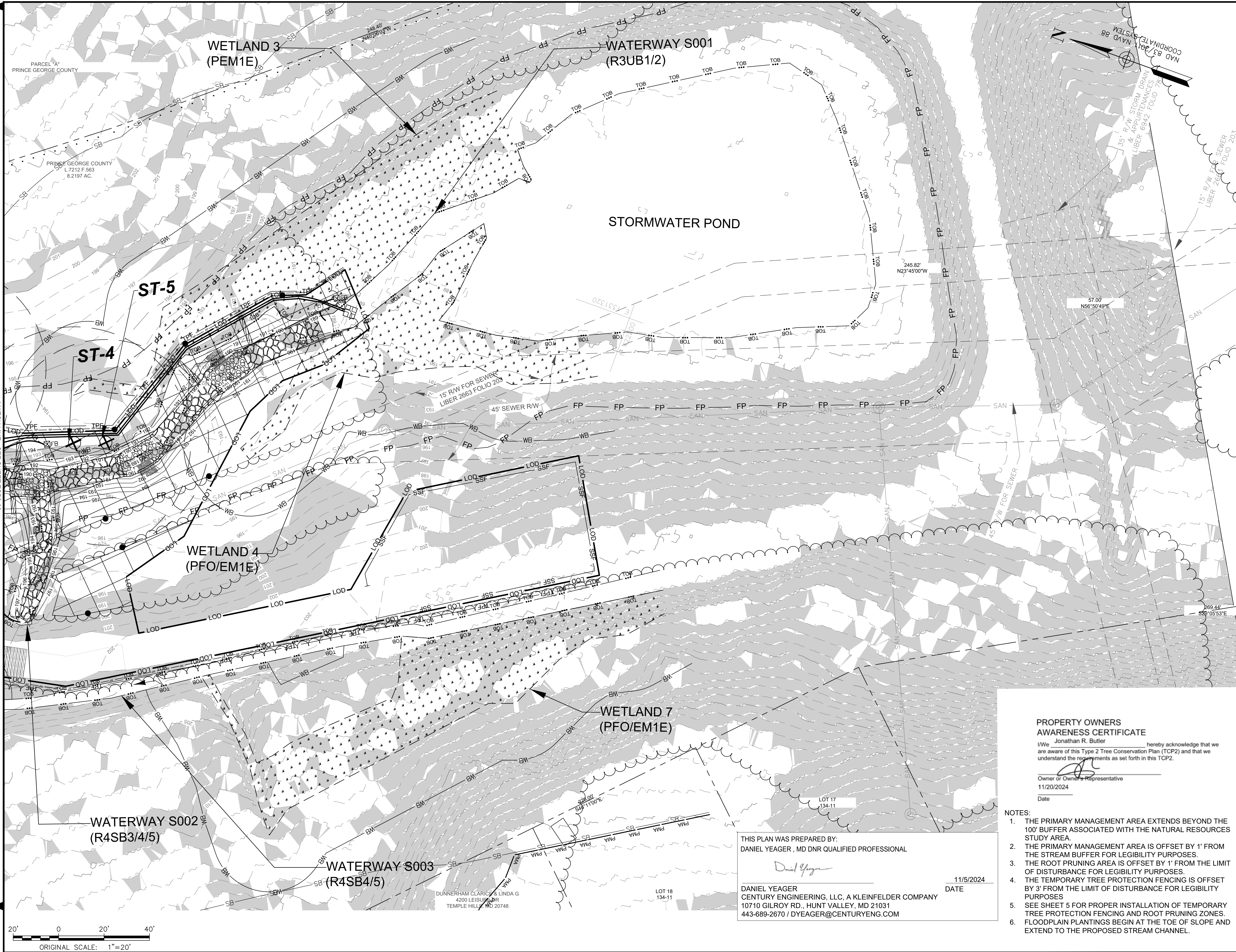
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VICINITY MAP  
1" = 2000'  
TAX MAP PAGE 88 GRID D3 & D4  
WSSC GRID 2065E04

**EXISTING FEATURES LEGEND**

TOB	TOP OF BANK	380	MAJOR CONTOUR
SB	100' STREAM BUFFER		MINOR CONTOUR
NONTIDAL WETLAND			PROPERTY BOUNDARY
WB	25' NONTIDAL WETLAND BUFFER		EXISTING EASEMENT BOUNDARY
FP	DPIE FLOODPLAIN (FPS #920093)		EX. EDGE OF PAVEMENT
TREELINE			EX. STRUCTURE
PMA	PRIMARY MANAGEMENT AREA	X	EX. FENCE
EXISTING TCP BOUNDARY		W	WATER LINE
STEEP SLOPES ≥15%		SD	STORM DRAIN PIPE
		UGE	UNDERGROUND ELECTRIC
		SAN	SANITARY SEWER
			EX. RIPRAP

**ST-1**  
SPECIMEN TREE WITH CRITICAL ROOT ZONE

**PROPOSED FEATURES LEGEND**

LOD	LIMIT OF DISTURBANCE	WOODY HABITAT FEATURE (WHF)
SCB	STABILIZED CONSTRUCTION ENTRANCE	WETLAND DEPRESSIONAL AREA
TEMPORARY MULCH ACCESS ROAD		CLAY CHANNEL BLOCK
SSF	TIMBER MAT	CLASS I CHANNEL BED MATERIAL
SUPER SILT FENCE		STABILITY MIX (RIFLE GRADE CONTROL)
CLEAN WATER DIKE / SEDIMENT DIKE		RIPARIAN REFORESTATION (3,527 SF / 0.08 AC)
SANDBAG DIVERSION		FLOODPLAIN REFORESTATION (2,493 SF / 0.06 AC)
PUMP AND DIVERSION HOSE		REFORESTATION SIGN
FB	FILTER BAG	TPF
OUTLET PROTECTION		TEMPORARY TREE PROTECTION FENCING
TREE TO BE REMOVED		ROOT PRUNING
225	5' MAJOR CONTOUR	INDIVIDUALLY PLACED 2" TREE
224	1' MINOR CONTOUR	
LOG SILL		

**PROPERTY OWNERS AWARENESS CERTIFICATE**  
I/We Jonathan R. Butler 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 Owner's Representative  
Date 11/20/2024

- NOTES:
1. THE PRIMARY MANAGEMENT AREA EXTENDS BEYOND THE 100' BUFFER ASSOCIATED WITH THE NATURAL RESOURCES STUDY AREA.
  2. THE PRIMARY MANAGEMENT AREA IS OFFSET BY 1' FROM THE STREAM BUFFER FOR LEGIBILITY PURPOSES.
  3. THE ROOT PRUNING AREA IS OFFSET BY 1' FROM THE LIMIT OF DISTURBANCE FOR LEGIBILITY PURPOSES.
  4. THE TEMPORARY TREE PROTECTION FENCING IS OFFSET BY 3' FROM THE LIMIT OF DISTURBANCE FOR LEGIBILITY PURPOSES.
  5. SEE SHEET 5 FOR PROPER INSTALLATION OF TEMPORARY TREE PROTECTION FENCING AND ROOT PRUNING ZONES. FLOODPLAIN PLANTINGS BEGIN AT THE TOE OF SLOPE AND EXTEND TO THE PROPOSED STREAM CHANNEL.

THIS PLAN WAS PREPARED BY:  
DANIEL YEAGER, MD DNR QUALIFIED PROFESSIONAL  
*Daniel Yeager*  
DANIEL YEAGER  
CENTURY ENGINEERING, LLC, A KLEINFELDER COMPANY  
10710 GILROY RD., HUNT VALLEY, MD 21031  
443-689-2670 / DYEAGER@CENTURYENG.COM  
11/5/2024  
DATE

**CENTURY ENGINEERING**  
A KLEINFELDER COMPANY  
10710 GILROY ROAD, HUNT VALLEY, MD 21031  
PHONE: 443-589-2400

TYPE 2 TREE CONSERVATION (TCP2) PLAN APPROVAL BLOCK

Approved by	Date	DRD #	Reason for Revision
<i>Blue Bird</i>	1/10/2025		N/A
01			
02			
03			
04			
05			



GENERAL NOTES

- THIS SITE IS ZONED RR AND IS LOCATED IN ENVIRONMENTAL STRATEGY AREA 1 IN ACCORDANCE WITH PLAN 2039.
- THE SOURCE OF THE PROPERTY BOUNDARIES ON THIS PLAN IS FROM STATE PROPERTY LAYER.
- THE TOPOGRAPHY SHOWN WITHIN THE SURVEY AREA ON THIS PLAN IS FROM INFORMATION OBTAINED VIA SURVEY FROM CENTURY STAFF IN OCTOBER 2023. TOPOGRAPHY OUTSIDE OF THE SURVEY AREA BOUNDARY IS FROM STATE LIDAR DATA.
- THE SOURCE OF THE SOILS INFORMATION ON THIS PLAN IS FROM THE USDA NRCS WEB SOIL SURVEY (WSS) IN A CUSTOM SOIL RESOURCE REPORT FOR AN AREA OF INTEREST (AOI) ESTABLISHED FOR THE SUBJECT SITE ONLY AND GENERATED ON AUGUST 7, 2023.
- THE EXISTING FLOODPLAIN SHOWS THIS PLAN IS GOVERNED BY FPS #920093 AND THE USE OF THIS FLOODPLAIN STUDY WAS APPROVED BY DPE ON DECEMBER 7, 2023.
- THE WETLAND AND STREAM INFORMATION ON THIS PLAN IS FROM A STUDY PREPARED BY COURTNEY EGOLF AND KINCADE STREET OF CENTURY ENGINEERING LLC, A KLEINFELDER COMPANY DATED AUGUST 15 & 16, 2023. RESOURCE BOUNDARIES ARE BASED ON SURVEY LOCATIONS FROM CENTURY CONDUCTED IN OCTOBER 2023. THIS SITE DOES NOT CONTAIN WETLANDS OF SPECIAL STATE CONCERN AS DEFINED IN COMAR 26.23.06.01.
- THIS SITE IS NOT LOCATED WITHIN A TIER II CATCHMENT AND DOES NOT CONTAIN A TIER II WATERBODY AS DEFINED IN COMAR 26.08.02.04. THIS SITE IS NOT LOCATED WITHIN AN IMPAIRED WATER BODY WITH A TOTAL MAXIMUM DAILY LOAD (TMDL) ALLOCATED FOR SEDIMENT, WHICH ARE AFFORDED SPECIAL PROTECTION UNDER MARYLAND'S ANTI-DEGRADATION POLICY. POSCO RESERVES THE RIGHT TO RESTRICT DISTURBANCE TO ANY ONSITE OR OFFSITE TIER II BUFFER OR BUFFERS FOR IMPAIRED WATERS.
- THIS SITE IS NOT LOCATED WITHIN A STRONGHOLD WATERSHED AS ESTABLISHED BY THE MD DNR.
- THIS SITE IS NOT WITHIN A SENSITIVE SPECIES PROTECTION REVIEW AREA BASED ON A REVIEW OF THE SSPRA GIS LAYER PREPARED BY THE HERITAGE AND WILDLIFE SERVICE, MARYLAND DEPARTMENT OF NATURAL RESOURCES. A LETTER WAS SENT TO THE DNR WILDLIFE AND HERITAGE SERVICE INQUIRING ABOUT THE PRESENCE OR ABSENCE OF RARE, THREATENED, OR ENDANGERED SPECIES ON-SITE. A RESPONSE DATED JANUARY 5, 2024, INDICATED THAT "THIS PROJECT SITE IS WITHIN AN AREA THAT CONTAINS HABITAT FOR THE NORTHERN LONG-EARED BAT (MYOTIS SEPTENTRIONALIS), WHICH IS LISTED AS AN ENDANGERED SPECIES BY THE STATE OF MARYLAND AND BY THE U.S. FISH AND WILDLIFE SERVICE. IN ORDER TO REDUCE LOSS OF SUMMER OCCUPANCY HABITAT FOR THIS SPECIES, WE RECOMMEND THAT FOREST CLEARING AND PERMANENT FOREST LOSS BE MINIMIZED TO THE GREATEST EXTENT POSSIBLE. TO COMPENSATE FOR PERMANENT FOREST LOSS ON THE PROJECT SITE, FOREST CONSERVATION/REFORESTATION SHOULD BE PURSUED. ALSO, THERE SHOULD BE NO FOREST REMOVAL/CLEARING (INCLUDING OF TREES 3 INCHES IN DIAMETER) DURING THE SUMMER TIME-OF-YEAR WHEN THIS SPECIES IS UTILIZING THE FOREST. THAT TIME-OF-YEAR IS CONSIDERED TO BE MAY 1 - JULY 31 OF ANY GIVEN YEAR."
- THE SITE DOES NOT INCLUDE FOREST INTERIOR DWELLING SPECIES HABITAT.
- THE SITE IS SUBJECT TO A PREVIOUSLY APPROVED TOP. PREVIOUSLY APPROVED TOP'S INCLUDE: TOP2-063-92.
- THERE ARE NINE (9) SPECIMEN TREES LOCATED WITHIN THE PROJECT AREA. THESE TREES WERE LOCATED USING SURVEYED AND GPS LOCATIONS.
- THE SUBJECT SITE IS NOT WITHIN A SCENIC RESOURCES POLICY AREA.
- THERE ARE NO SCENIC OR HISTORIC ROADS LOCATED ON OR ADJACENT TO THIS PROPERTY.
- THE SUBJECT PROPERTY IS NOT LOCATED WITHIN A REGISTERED HISTORIC DISTRICT. THIS SITE DOES NOT CONTAIN ANY SCENIC OR HISTORIC RESOURCES OR RESOURCES.
- THERE ARE NO KNOWN ARCHEOLOGICAL SITES LOCATED ON THE SUBJECT PROPERTY. HOWEVER THE SUBJECT PROPERTY HAS NOT BEEN SURVEYED FOR ANY ARCHEOLOGICAL RESOURCES AND A PHASE I ARCHEOLOGY REPORT MAY BE REQUIRED DURING SUBSEQUENT DEVELOPMENT REVIEW PROCESSES.
- MARLBORO CLAY AND CHRISTIANA CLAY ARE NOT FOUND TO OCCUR ON OR WITHIN THE VICINITY OF THIS PROPERTY. A GEOTECHNICAL REPORT IN ACCORDANCE WITH THE DPE'S GEOTECHNICAL GUIDELINES FOR SOIL INVESTIGATIONS AND REPORTS FOR SITE/ROAD GRADING PERK IN OR NEAR OVER-CONSOLIDATED CLAYS MAY BE REQUIRED DURING SUBSEQUENT DEVELOPMENT PROCESSES.
- THE SITE IS NOT LOCATED IN THE VICINITY ANY MASTER PLANNED ROADWAY DESIGNATED AS ARTERIAL OR HIGHER.
- THE SUBJECT PROPERTY IS NOT LOCATED WITHIN THE 2009 JOINT BASE ANDREWS NOISE CONTOURS.
- THE SITE IS NOT LOCATED WITHIN AN AVIATION POLICY AREA (APA).
- THE SITE IS NOT LOCATED WITHIN THE CHESAPEAKE BAY CRITICAL AREA (CBCA).
- THE ENTIRETY OF THIS PROPERTY WAS NOT ANALYZED AS PART OF THIS NRI. FUTURE APPLICATIONS SHOWING DISTURBANCE OUTSIDE THE LIMITS OF THIS NRI MAY BE REQUIRED TO SUBMIT MORE INFORMATION AND/OR A FULL NRI.

TOP 2 - GENERAL NOTES

- THIS PLAN IS SUBMITTED TO FULFILL WOODLAND CONSERVATION REQUIREMENTS FOR A GRADING PERMIT ASSOCIATED WITH A DOE PROJECT LOCATED WITHIN ON PRINCE GEORGE'S COUNTY PROPERTY, IN TEMPLE HILLS, MARYLAND.
- PROJECT DESCRIPTION: PRINCE GEORGE'S COUNTY DEPARTMENT OF THE ENVIRONMENT (DOE) HAS CONTRACTED CENTURY ENGINEERING, LLC, A KLEINFELDER COMPANY (CENTURY) TO PROVIDE ENGINEERING DESIGN AND PERMITTING SERVICES TO RESTORE APPROXIMATELY 1,000 LINEAR FEET (LF) OF AN UNNAMED TRIBUTARIES TO HENSON CREEK LOCATED WITHIN ON PRINCE GEORGE'S COUNTY PROPERTY, IN TEMPLE HILLS, MARYLAND.
- THIS PROJECT IS SUBJECT TO THE AMENDED AND RESTATED MEMORANDUM OF UNDERSTANDING - WATERSHED IMPLEMENTATION PLAN BY AND BETWEEN PRINCE GEORGE'S COUNTY (THE "COUNTY") AND THE MARYLAND-NATIONAL CAPITAL PARK AND PLANNING COMMISSION (THE "COMMISSION") ON PROPERTY OWNED AND/OR MANAGED BY THE DEPARTMENT OF PARKS AND RECREATION (DPR)
- THE COUNTY IS SUBJECT TO THIS TREE CONSERVATION PLAN, PREPARED FOR A WATERSHED IMPLEMENTATION PLAN PROJECT LOCATED ON COMMISSION/OPR PROPERTY AND IS RESPONSIBLE FOR IMPLEMENTATION AND CONFORMANCE TO THE REQUIREMENTS CONTAINED HEREIN.
- WOODLAND CONSERVATION REQUIREMENTS FOR THE PROPOSED DEVELOPMENT ACTIVITY SHALL BE PROVIDED WITH THIS TOP2 PLAN CONSISTENT WITH THE PRIORITIES ESTABLISHED IN THE SUBTITLE 25, DIVISION 2, WOODLAND AND WILDLIFE HABITAT CONSERVATION ORDINANCE AND THE ENVIRONMENTAL TECHNICAL MANUAL.
- THIS PLAN IS NOT GRANDFATHERED UNDER CB-27-2010, SECTION 25-119 (G). IF A TOP2 PLAN IS NOT GRANDFATHERED, THE PROJECT SITE IS SUBJECT TO APPROVAL OF A SUBTITLE 25. VARIANCE FOR THE REMOVAL OF SPECIMEN, CHAIRMAN, AND HISTORIC TREES.
- A PRE-CONSTRUCTION MEETING IS REQUIRED PRIOR TO THE COMMENCEMENT OF ANY CLEARING, GRADING, OR CONSTRUCTION ACTIVITIES. THE COUNTY SHALL SCHEDULE AN ON-SITE PRE-CONSTRUCTION MEETING WITH COMMISSION REPRESENTATIVES AND PROVIDE A MINIMUM OF FORTY-EIGHT (48) HOURS NOTICE.
- CUTTING OR CLEARING OF WOODLAND NOT IN CONFORMANCE WITH THIS PLAN OR WITHOUT THE EXPRESSED WRITTEN CONSENT OF THE DEPARTMENT OF PARKS AND RECREATION, OR DESIGNEE SHALL BE SUBJECT TO A \$9.00 PER SQUARE FOOT MITIGATION FEE TO BE PAID TO THE WOODLAND CONSERVATION FUND.
- THE PROJECT IS NOT LOCATED ON PARKLAND WHICH WAS PURCHASED WITH CAPPER-CRAMTON FUNDS.
- THE COMMISSION HAS ACCEPTED THIS PROJECT AND DETERMINED THAT THE PROJECT IMPOSES A LOW IMPACT TO THE FUNCTIONAL QUALITY OF THE PROJECT AND IS SUBJECT TO THE APPROPRIATE DESIGN REVIEW PROCESS.
- THE PROPERTY IS WITHIN THE ENVIRONMENTAL STRATEGY AREA 2 OF PLAN PRINCE GEORGE'S 2035 (FORMERLY THE DEVELOPING TIER).
- THE PROJECT SITE IS ZONED RR (RESIDENTIAL).
- THE SITE IS NOT ADJACENT TO A ROADWAY DESIGNATED AS SCENIC, HISTORIC, A PARKWAY OR A SCENIC BYWAY.
- THIS PROJECT IS LOCATED WITHIN THE SOUTHWEST BRANCH DOE SUBWATERSHED, THE POTOMAC RIVER WATERSHED DNR (02140201) SUBWATERSHED, AND THE PATUXENT RIVER BASIN.

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 THE ISSUANCE OF THE FIRST BUILDING PERMIT. (THIS STANDARD NOTE MAY BE MODIFIED AS NECESSARY TO ADDRESS WHICH BUILDING PERMITS ARE ADJACENT TO THE PROPOSED PLANTING AREA.) SEEDLING PLANTING IS TO OCCUR FROM NOVEMBER THROUGH MAY ONLY. NO PLANTING SHALL BE DONE WHILE GROUND IS FROZEN. PLANTING WITH 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. THE MANAGEMENT OF COMPETING VEGETATION AROUND INDIVIDUAL TREES AND THE 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 TIME OF ISSUANCE OF THE FIRST PERMIT, THE FOLLOWING INFORMATION SHALL BE SUBMITTED TO THE M-NCPPC PLANNING DEPARTMENT REGARDING THE AFFORESTATION OR REFORESTATION 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 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

- 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 LEVEL) 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 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.
- 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.
- SEEDLING PLANTING: TREE SEEDLINGS SHALL BE HAND PLANTED USING A DIGGLE 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. MOIST SOIL SHOULD THEN BE PACKED FIRM AROUND THE ROOTS. SEEDLINGS SHALL BE PLANTED AT A DEPTH WHERE THEIR ROOTS LIE JUST BELOW THE GROUND SURFACE, AIR POCKETS SHOULD NOT BE LEFT AFTER CLOSING THE HOLE. WATER 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 OPERATIONS: IF SOIL 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 RECOMMENDED 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 AND IS SUBJECT TO 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 SHREDDED HARDWOOD MULCH (AS NOTED) TO EACH PLANTING SITE. (SEE PLANT SCHEDULE FOR MULCH SPECIFICATIONS.)
- GROUNDCOVER ESTABLISHMENT: THE REMAINING DISTURBED AREA BETWEEN SEEDLING PLANTING SITES SHALL BE SEEDDED 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: STATE NAME, ADDRESS, AND PHONE NUMBER OF NURSERY OR SUPPLIER.

NATURAL REGENERATION NOTES

ALL AREAS DESIGNATED FOR REFORESTATION SHALL BE REFORESTED BY NATURAL REGENERATION. THE FOLLOWING REQUIREMENTS AND CONDITIONS APPLY:

- ALL EXISTING TURF, GROUND COVERS, AND INVASIVE SPECIES SHALL BE EXTERMINATED USING A GENERAL BROADCAST HERBICIDE SUCH AS "ROUND-UP" OR EQUIVALENT. SECONDARY APPLICATIONS SHALL BE APPLIED AS NEEDED AFTER TREATMENTS ARE COMPLETED.
- CARE SHALL BE TAKEN TO AVOID SPRAYING ANY HARDWOOD SEEDLINGS OR SAPLINGS.
- ROTO-TILLING OF TURF AREAS AND MANUAL REMOVAL OF INVASIVE SPECIES SHALL BE COMPLETED TWO WEEKS AFTER CHEMICAL TREATMENTS ARE COMPLETED.
- REFORESTATION SIGNS SHALL BE INSTALLED EVERY FIFTY FEET OR AS APPROPRIATE AND TWO STRAND WIRE FENCING SHALL BE INSTALLED ALONG ROAD FRONTS ADJACENT TO ANY REFORESTATION AREAS.
- REFORESTATION INTERNAL TO THE SITE SHALL BE POSTED AS REQUIRED IN THE DIRECTION OF ANY TRAILS USED TO REACH THOSE AREAS.
- NATURAL REGENERATION SHALL BE ENCOURAGED BY SEMI-ANNUAL MAINTENANCE OF THE DESIGNATED AREAS. THE MAINTENANCE SHALL BE CONDUCTED 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.
- AFTER ONE AND TWO YEARS ALL DESIRABLE SEEDLINGS AND SAPLINGS SHALL BE COUNTED AND FLAGGED WITH SURVEYORS TAPE IN THE LATE FALL.
- IF AFTER 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 MIN.)
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 MIN.)
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.

OFF-SITE WOODLAND CONSERVATION AND FEE-IN-LIEU NOTES

- IF OFF-SITE WOODLAND CONSERVATION OR FEE-IN-LIEU ARE REQUIRED. ALL FOREST CLEARING WILL BE MITIGATED VIA ON-SITE REFORESTATION.

INVASIVE PLANT SPECIES REMOVAL NOTES

- INVASIVE PLANT REMOVAL SHALL BE COMPLETED PRIOR TO PLANTING AND CONFORM TO THE RECOMMENDATIONS OF THE INVASIVE PLANT REMOVAL NOTES DISCUSSED ON THE DESIGN LANDSCAPE PLANS PREPARED BY CENTURY. THE PLANS WERE REVIEWED BY DANIEL YEAGER (DP) AND MICHAEL PIERANZI (LA).
- THE REMOVAL OF NOXIOUS, INVASIVE, AND NON-NATIVES 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 IS TO BE CUT SHORTLY AFTER THE 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.
- 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 M-NCPPC PLANNING DEPARTMENT RECOMMENDATION. THE CUT STOCK IS TO BE CUT SHORTLY AFTER THE 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.

VIRGINIA PINE NOTES

- NO VIRGINIA PINES WERE OBSERVED ON-SITE.

TOP 2 - ADDITIONAL NOTES

- THE COUNTY AND THE COMMISSION/DPR SHALL PARTICIPATE IN A PRE-CONSTRUCTION MEETING PRIOR TO THE CONTRACTOR MOBILIZATION AND THE OF ANY COMMENCEMENT OF CLEARING, GRADING OR CONSTRUCTION ACTIVITIES. THE COUNTY SHALL SCHEDULE AN ON-SITE PRE-CONSTRUCTION MEETING WITH COMMISSION REPRESENTATIVES AND PROVIDE A MINIMUM OF FORTY-EIGHT (48) HOURS NOTICE.
- THE COUNTY SHALL HAVE THE LIMITS OF DISTURBANCE (LOD) STAKED IN THE FIELD AFTER THE PRE-CONSTRUCTION MEETING. AN INSPECTION AFTER STAKING MUST BE PERFORMED BY COMMISSION/DPR REPRESENTATIVES.
- IMPACTS TO RESOURCES WERE MINIMIZED TO THE GREATEST EXTENT POSSIBLE WHILE STILL MAINTAINING THE GOALS OF THE PROJECT WHILE IMPACTS TO TREES ARE UNAVOIDABLE. TREE REMOVAL WAS MINIMIZED TO THE GREATEST EXTENT PRACTICAL. TO FURTHER REDUCE IMPACTS TO FOREST RESOURCES, GRADING AND RESTORATION ACTIVITIES HAVE BEEN LIMITED TO A 30-45-FOOT WIDE CORRIDOR AND 1.35 ACRES OF TREE CLEARING. THE MAJORITY OF THE PROPOSED TREE REMOVALS WILL BE USED ON-SITE AS STABILIZATION STRUCTURES. THE HEALTH AND PROJECTED LONGEVITY OF THE EXISTING TREES PROPOSED FOR REMOVAL LOCATED ALONG THE STREAM BANKS ARE CURRENTLY BEING THREATENED DUE TO THE ACTIVE UNDERMINING OF THE STREAM BANKS SHOULD THE TREES BE LEFT IN PLACE, OR THE STREAM NOT REPAIRED. IT IS LIKELY THESE TREES WOULD FALL AND INCREASE BANK EROSION AND SEDIMENT INPUTS. THE COMMISSION WILL ALSO ASSESS THE LIMIT OF DISTURBANCE (LOD) PRIOR TO CONSTRUCTION TO DETERMINE IF ADDITIONAL TREES CAN BE SAVED. AFTER CONSTRUCTION, THE PROJECT AREA WILL BE REPLANTED WITH NATIVE VEGETATION, INCLUDING TREE AND SHRUB SPECIES WITHIN THE RIPARIAN CORRIDOR AND HERBACEOUS PLUGS WITHIN THE FLOODPLAIN. A TEMPORARY PEDESTRIAN PATH WILL ALSO BE ACCESSIBLE FROM SIR LANCELOT DRIVE TO ALLOW THE PUBLIC TO MAINTAIN SAFE ACCESS TO THE PARK THROUGHOUT PROJECT CONSTRUCTION.
- WOODLAND PRESERVATION AND RETENTION NOTES  
A) ALL WOODLANDS DESIGNATED ON THIS PLAN FOR RETENTION OUTSIDE OF THE DESIGNATED LIMIT OF DISTURBANCE 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.  
B) TREE AND WOODLAND CONSERVATION METHODS SUCH AS ROOT PRUNING SHALL BE CONDUCTED AS SPECIFIED AND NOTED ON THIS PLAN.  
C) THE LOCATION OF ALL TEMPORARY TREE PROTECTION FENCING (TPFS) SHOWN ON THIS PLAN SHALL BE FLAGGED OR STAKED IN THE FIELD AND INSPECTED AFTER THE PRE-CONSTRUCTION MEETING. APPROVAL OF THE LOCATIONS BY THE COMMISSION REPRESENTATIVE. INSTALLATION OF THE TPFS MAY BEGIN.  
D) ALL TEMPORARY TREE PROTECTION FENCING (TPF) AND TEMPORARY CONSTRUCTION SIGNAGE REQUIRED BY THIS PLAN SHALL BE INSTALLED PRIOR TO COMMENCEMENT OF CLEARING AND GRADING OF THE SITE AND SHALL REMAIN IN PLACE UNTIL THE COMPLETION OF THE PROJECT. FAILURE TO INSTALL AND MAINTAIN TEMPORARY OR PERMANENT TREE PROTECTIVE DEVICES IS A VIOLATION OF THIS TOP2.
- GROUNDCOVER ESTABLISHMENT  
THE REMAINING DISTURBED AREA SHALL BE SEEDDED AND STABILIZED TO ENHANCE THE HABITAT AND POLLINATOR VALUE OF THE SITE, WITH A POLLINATOR-FRIENDLY HERBACEOUS COVER MIX BE SELECTED FROM THE NRCS CONSERVATION PRACTICE STANDARD FOR CONSERVATION COVER (CODE 327). SELECTED LIST OF HERBACEOUS COVER MIXES BASED ON THE SPECIFIC CHARACTERISTICS OF THE SITE. THE MIXES AND SPECIES CONTAINED IN THE TABLE ARE FOCUSED ON HIGH DIVERSITY PLANTINGS TO SUPPORT WILDLIFE HABITAT, WITH SPECIAL CONSIDERATION FOR POLLINATORS AND BENEFICIAL INSECTS, CONSISTENT WITH USDA BIOLOGY TECHNICAL NOTE NO. 78, 2ND EDITION. USING 2014 FARM BILL PROGRAMS FOR POLLINATOR CONSERVATION, OR MOST CURRENT RECOMMENDATION FROM NRCS PRACTICE STANDARDS.
- POST-CONSTRUCTION REQUIREMENTS AND CORRECTIVE MEASURES  
WHEN POST CONSTRUCTION PROJECT MONITORING HAS COMPLIED WITH THE TERMS OF ALL PERMITS ISSUED BY REGULATORY AGENCIES, AND THE PROJECT HAS BEEN FOUND SUBSTANTIALLY COMPLETE, THE COUNTY WILL NOTIFY THE COMMISSION /DPR AND WILL ARRANGE FOR A FINAL MEETING AND/OR JOINT INSPECTION. THE COUNTY WILL BE SOLELY RESPONSIBLE FOR COORDINATING, DESIGNING AND IMPLEMENTING ANY REQUIRED CORRECTIVE MEASURES.


POST DEVELOPMENT: WOODLAND AND/OR SPECIMEN, HISTORIC OR CHAMPION TREES TO REMAIN 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 GEORGE'S COUNTY PROPERTY OWNERS, PRESERVATION OF WOODLAND CONSERVATION AREAS", THE ARBORIST OR TREE EXPERT MAY THEN REMOVE THE TREE. THE TREE 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 PERMITTEE SHALL TAKE CORRECTIVE ACTION IMMEDIATELY. THE CONDITION OF THE AREA SHALL BE FULLY DOCUMENTED THROUGH PHOTOGRAPHS PRIOR TO CORRECTIVE ACTION BEING TAKEN. THE PHOTOS SHALL BE SUBMITTED TO THE COUNTY 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 COMPLETED 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 CHAIN SAW). THESE PLANTS MAY BE CUT NEAR THE GROUND AND MATERIAL LESS THAN TWO INCHES DIAMETER MAY BE REMOVED FROM THE AREA AND DISPOSED OF APPROPRIATELY. ALL MATERIAL FROM THESE NOXIOUS, INVASIVE, AND NON-NATIVE PLANTS GREATER THAN TWO (2) INCHES DIAMETER SHALL BE CUT TO ALLOW CONTACT WITH THE GROUND, THUS ENCOURAGING DECAY AND NATURAL REGENERATION.
- 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 M-NCPPC PLANNING DEPARTMENT RECOMMENDATION. THE CUT STOCK IS TO BE CUT SHORTLY AFTER THE CUTTING OF PLANT TOPS. THE USE OF ANY HERBICIDE SHALL BE DONE IN ACCORDANCE WITH THE LABEL INSTRUCTIONS. D. THE USE OF CHAINSAWS IS EXTREMELY DANGEROUS AND SHOULD NOT BE CONDUCTED WITH POORLY MAINTAINED EQUIPMENT, WITHOUT SAFETY EQUIPMENT, OR BY INDIVIDUALS NOT TRAINED IN THE USE OF THIS EQUIPMENT FOR THE PRUNING AND/OR CUTTING OF TREES.

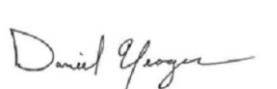
PROPERTY OWNERS

AWARENESS CERTIFICATE

I/We Jonathan R. Butler 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  
11/20/2024  
Date

THIS PLAN WAS PREPARED BY:  
DANIEL YEAGER , MD DNR QUALIFIED PROFESSIONAL

  
DANIEL YEAGER  
CENTURY ENGINEERING, LLC, A KLEINFELDER COMPANY  
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11/5/2024  
DATE

HENSON CREEK TRIBUTARY 8-20  
STREAM RESTORATION  
PRINCE GEORGE'S COUNTY, MARYLAND  
ELECTION DISTRICT 5

TREE CONSERVATION PLAN 2  
NOTES

GENERAL LANDSCAPING AND MAINTENANCE NOTES:

GENERAL NOTES -

- NURSERY GROWN PLANT MATERIAL SHOULD MEET OR EXCEED THE REQUIREMENTS OF THE AMERICAN NURSERY & LANDSCAPE ASSOCIATION'S (A.N.L.A.) LATEST EDITION OF "AMERICAN STANDARD NURSERY STOCK" (ANSI Z60.1) SPECIFICATIONS, PARTICULARLY REGARDING THE SIZE, GROWTH, SIZE OF THE ROOT BALL, AND DENSITY OF BRANCH STRUCTURE.
- THE CONTRACTOR IS RESPONSIBLE FOR TESTING PROJECT SOILS. THE CONTRACTOR IS TO PROVIDE A CERTIFIED SOILS REPORT TO THE OWNER. THE CONTRACTOR SHALL VERIFY THAT THE SOILS ON-SITE ARE APPROPRIATE COMPOSITION AND PH LEVELS ACCEPTABLE FOR THE PROPER GROWTH OF THE PROPOSED PLANT MATERIAL. SHOULD THE CONTRACTOR FIND POOR SOIL CONDITIONS, THE CONTRACTOR SHALL BE REQUIRED TO PROVIDE SOIL AMENDMENTS AS NECESSARY. THESE AMENDMENTS SHALL INCLUDE, BUT NOT BE LIMITED TO FERTILIZERS, LIME, AND TOPSOIL. PROPER PLANTING SOILS MUST BE VERIFIED PRIOR TO WHEN PLANTING MATERIALS ARE INSTALLED.

PLANT MATERIAL SELECTION -

- THE CONTRACTOR SHALL FURNISH PLANT MATERIALS IN SIZES AND QUANTITIES SPECIFIED IN THE PLANT SCHEDULES.
- ALL PLANTING MATERIAL SHALL BE SOURCED FROM WITHIN 100 MILES OF THE SITE.
- NO SUBSTITUTIONS SHALL BE MADE WITHOUT THE WRITTEN CONSENT OF THE OWNER AND/OR LANDSCAPE ARCHITECT.

PLANT MATERIAL TRANSPORT, APPROVAL & STORAGE -

- PLANT MATERIAL SHALL BE PROTECTED TO PREVENT SUN SCALD, DESICCATION, AND STRUCTURAL DAMAGE DURING TRANSPORT TO THE SITE. ROOT STOCK OF THE PLANT MATERIAL SHALL BE KEPT MOIST DURING TRANSPORT FROM THE SOURCE TO THE JOB SITE AND UNTIL PLANTED.
- PLANT MATERIAL SHALL BE INSPECTED TO BE FREE OF DISEASE, DAMAGE, INSECT INFESTATION, AND VIGOR UPON DELIVERY TO THE SITE. ALL PLANTS SHOULD BE HEALTHY AND WELL STRUCTURED, NO HELED-COLD STORAGE OR COLLECTED STOCK WILL BE ACCEPTED. PLANTS IN POOR CONDITION SHALL BE REJECTED, REMOVED FROM THE SITE AND REPLACED WITH ACCEPTABLE MATERIALS.
- THE CONTRACTOR IS REQUIRED TO OBTAIN CLEAN FRESH WATER FOR USE DURING PLANTING OPERATIONS AND THE SUBSEQUENT MAINTENANCE PERIOD.

SITE PREPARATION AND PLANTING -

- THE SITE AND AREAS IMMEDIATELY ADJUTING (WITHIN 25' OF) THE LOD SHALL BE TREATED FOR INVASIVE SPECIES PRIOR TO THE START OF CONSTRUCTION.
- TREE PROTECTION FENCING DETAIL CAN BE FOUND ON E&S NOTE AND DETAIL SHEETS.
- ALL TREE PROTECTION MEASURES MUST BE IN PLACE AT THE TIME OF THE SEDIMENT & EROSION CONTROL INSPECTION. PRIOR TO THE COMMENCEMENT OF DEMOLITION, SITE CLEARING, GRADING, OR CONSTRUCTION, TREE PROTECTION DEVICES SHALL BE MAINTAINED FOR THE DURATION OF CONSTRUCTION. NO EQUIPMENT, TRUCKS, MATERIALS, OR DEBRIS MAY BE STORED WITHIN THE TREE PROTECTION AREAS DURING THE ENTIRE CONSTRUCTION PROJECT.
- ALL TREES TO BE REMOVED MUST BE REMOVED IN A MANNER THAT WILL NOT DAMAGE THE REMAINING TREES. THE CONTRACTOR SHALL DISPOSE OF STUMPS AND MAJOR ROOTS OF ALL PLANTS TO BE REMOVED. ANY DEPRESSIONS CAUSED BY REMOVAL OPERATIONS SHALL BE REFILLED WITH FERTILE, FRABLE, SOIL PLACED AND COMPACTED 50 AS TO REESTABLISH PROPER GRADE FOR NEW PLANTING AND/OR LAWN AREAS.
- ANY TREES THAT ARE TO REMAIN THAT ARE DAMAGED DURING THE CLEARING OPERATION MUST BE REPAIRED OR REMOVED AND REPLACED IN AN APPROVED MANNER BY AN MDLITE/ISA CERTIFIED ARBORIST PRINCE GEORGE'S COUNTY OR A M-NCPPC REPRESENTATIVE AS SOON AS FINAL CLEARING HAS BEEN COMPLETED.
- ROOT PRUNING MAY BE NECESSARY WHERE THE CRITICAL ROOT ZONE IS IMPACTED, AS DETERMINED BY THE PLAN PREPARED OR AN MDLITE/ISA CERTIFIED ARBORIST. PRUNING SHALL BE ALONG THE LOD ADJACENT TO TREE PROTECTION FENCING. A CERTIFIED ARBORIST SHALL SUPERVISE OR CONDUCT ROOT PRUNING.
- REFER TO THE MOSHA STANDARDS AND SPECIFICATIONS SECTION 710.03.01 PLANTING SEASONS TABLE FOR ACCEPTABLE PLANTING PERIOD. PLANTING SHALL NOT BE COMPLETED IN SUB-FREEZING TEMPERATURES; WHEN THE GROUND IS FROZEN, WHEN WEATHER CONDITIONS WILL ADVERSELY AFFECT PLANT MATERIALS; OR WHEN THE SOIL IS TOO WET OR OTHERWISE IN A CONDITION NOT ACCEPTABLE FOR PLANTING.
- UPON PLANTING AREA CLOSE TO THE GROUND ONE WEEK (OR LESS) PRIOR TO CONTAINER PLANTING DATE.
- SOIL CONDITIONS MUST BE TESTED, VERIFIED, AND ADJUSTED BY THE LANDSCAPE CONTRACTOR TO INSURE THAT APPROPRIATE SOILS COMPOSITION AND PH LEVELS ARE SUITABLE FOR PLANT MATERIALS SPECIFIED FOR THAT SPECIFIC LOCATION.
- PREPARE PLANTING PITS PER DETAILS AS SHOWN MOSHA STANDARDS AND SPECIFICATIONS SECTION 710.03.04.
- INSTALL PLANT MATERIALS PER MOSHA STANDARDS AND SPECIFICATIONS 710.03.09.
- UPON COMPLETION OF ALL LANDSCAPING, AN ACCEPTANCE OF THE WORK SHALL BE HELD. THE CONTRACTOR SHALL NOTIFY THE LANDSCAPE ARCHITECT OF THE OWNER FOR SCHEDULING OF THE INSPECTION AT LEAST SEVEN (7) DAYS PRIOR TO THE ANTICIPATED INSPECTION DATE.
- AFTER INSTALLATION OF PLANTS, THE CONTRACTOR SHALL MONITOR THE SOIL MOISTURE AND WATER NEEDS OF PLANTS AND SEED AS NECESSARY TO ENSURE SURVIVABILITY. WATERING PLANTING PITS AND SEEDED AREAS SHOULD OCCUR AS SPECIFIED IN MOSHA STANDARDS AND SPECIFICATIONS SECTION 710.03.04(C).

MAINTENANCE -

- UPON COMPLETION OF INSTALLATION, THE PLANTING AREA IS TO BE MAINTAINED FOR A 2 YEAR PERIOD. AN 85% SURVIVAL RATE MUST BE ACHIEVED FROM THE DATE OF ACCEPTANCE TO THE TERMINATION OF THE MAINTENANCE PERIOD. MAINTENANCE SHALL BE AS FOLLOWS:
  - ANY PLANT MATERIAL SHOWING SIGNS OF DISTRESS ARE TO BE REPLACED IMMEDIATELY BY THE CONTRACTOR.
  - NATIVE VOLUNTEER SEEDLINGS SHALL BE REMOVED ONLY IF THEY ARE ADVERSELY IMPACTING THE GROWTH OF THE PLANTED MATERIAL. NON-NATIVE AND INVASIVE SPECIES ARE TO BE TREATED WITHIN THE ENTIRE PLANTING AREA THROUGH SELECTED AND APPROVED REPLACEMENT.
  - ALL MAY-MADE MATERIALS SHALL BE REMOVED FROM THE SITE WHICH WOULD IMPACT THE ESTABLISHMENT OF THE PLANTED MATERIALS.
  - THOROUGHLY WATER PLANTED MATERIAL, ONCE WEEKLY OR AS NEEDED DURING THE GROWING SEASON.
  - PLANTED MATERIAL IS TO BE MONITORED FOR SIGNS OF DAMAGE AND APPROPRIATE ACTIONS SHALL BE TAKEN TO PREVENT FURTHER DAMAGE. THIS MAY INCLUDE, BUT NOT BE LIMITED TO, THE FOLLOWING: PEST DAMAGE OR INFESTATION, DISEASE, OR BROWSING; ANY DEAD OR DECIMATED MATERIAL SHALL BE REPLACED WITH THE IDENTICAL SPECIES OR AN APPROVED REPLACEMENT.
  - AT THE END OF THE 2 YEAR MAINTENANCE PERIOD, THE SITE SHALL BE INSPECTED FOR THE 85% SURVIVAL RATE AS REQUIRED BY PRINCE GEORGE'S COUNTY AND M-NCPPC.

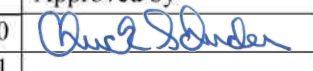
DWG. 5 OF 6

  
CENTURY  
ENGINEERING

A KLEINFELDER COMPANY  
10710 GILROY ROAD, HUNT VALLEY, MD 21031  
PHONE: 443-589-2400

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  
TCP2-034-2024

Approved by	Date	DRD #	Reason for Revision
00 	11/10/2025		N/A
01			
02			
03			
04			
05			

DEPARTMENT OF THE ENVIRONMENT



CAPITAL PROJECTS SECTION  
STORMWATER MANAGEMENT  
DIVISION

HENSON CREEK TRIBUTARY 8-20  
STREAM RESTORATION



Woodland Conservation Summary Table	Total
Gross Tract Area	2.31 AC
Existing 100 yr Floodplain	1.03 AC
Net Tract Area	1.28 AC
Existing Woodland in the Floodplain	0.84 AC
Existing Woodland Net Tract	0.51 AC
Cleared Woodland in the Floodplain	0.84 AC
Woodland cleared Off-Site	0.00 AC
Woodland Preservation Area	0.00 AC
Woodland Reforestation Area	1.37 AC
Woodland Retained Not Credited	0.00 AC
Woodland Retained Assumed Cleared	0.00 AC
Existing PMA	2.10 AC
Regulated Streams (LF of centerline)	1,249 LF

TABLE B-1. GENERAL INFORMATION TABLE

LAYER CATEGORY	LAYER NAME	VALUE
Zone	Zoning (Zone)	Residential (RR)
Zone	Aviation Policy Area (APA)	N/A
Administrative	Tax Grid (TMG)	88-D3 & 88-D4
Administrative	WSSC Grid (Sheet 20)	206SE04
Administrative	Planning Area (Plan Area)	7-76A
Administrative	Election District (ED)	6
Administrative	Councilmanic District (CD)	7
Administrative	General Plan 2002 Tier (Tier)	Developed
Administrative	General Plan Growth Policy (2035)	Established Communities
Administrative	Police District	1v

DELINEATED RESOURCES WITHIN THE LIMIT OF DISTURBANCE

RESOURCE TYPE	RESOURCE NAME	CLASSIFICATION	AREA SF/AC	LENGTH (LF)
Waterway	S001	R3UB1/2	6,979 / 0.16	1,030
Waterway	S002	R4SB3/4/5	477 / 0.01	97
Waterway*	S003	R4SB3/4	-	-
Waterway	S004	Ephemeral	161 / 0.004	53
Waterway	S005	Ephemeral	347 / 0.01	69
Wetland	Wet 1	PFO1E	568 / 0.01	-
Wetland	Wet 2	PFO1E	433 / 0.01	-
Wetland	Wet 3	PEM1E	803 / 0.02	-
Wetland	Wet 4	PFO/EM1E	259 / 0.01	-
Wetland	Wet 5	PEM1E	420 / 0.01	-
Wetland	Wet 6	PEM1E	80 / 0.002	-
Wetland*	Wet 7	PFO/EM1E	-	-

\*Resource located outside of the Limit of Disturbance

#### Riparian Forest Planting (35,054 SF / 0.80 AC)

Species	Common Name	Layer	Size	Type	Spacing	Quantity	Bareroot Equivalent
<i>Acer rubrum</i>	Red maple	Canopy tree	6'-8' Height	#7 Container	15'-17' O.C.	24	84
<i>Celtis occidentalis</i>	Hackberry	Canopy tree	6'-8' Height	#7 Container	15'-17' O.C.	24	84
<i>Quercus alba</i>	White oak	Canopy tree	6'-8' Height	#7 Container	15'-17' O.C.	24	84
<i>Liriodendron tulipifera</i>	Tuliptree	Canopy tree	6'-8' Height	#7 Container	15'-17' O.C.	24	84
<i>Nyssa sylvatica</i>	Blackgum	Canopy tree	6'-8' Height	#7 Container	15'-17' O.C.	24	84
<b>Total:</b>						<b>120</b>	<b>420</b>
<i>Carpinus caroliniana</i>	American hornbeam	Understory tree	5' Height	#5 Container	12'-14' O.C.	14	49
<i>Prunus serotina</i>	Blackcherry	Understory tree	4' Height	#5 Container	12'-14' O.C.	14	49
<i>Cornus florida</i>	Flowering dogwood	Understory tree	4' Height	#5 Container	12'-14' O.C.	14	49
<b>Total:</b>						<b>42</b>	<b>147</b>

**Note:** Required for mitigation: 548 bareroot seedlings or 156 #5 or #7 container grown trees.

Assume 100% canopy and 20% understory

#### Floodplain Forest Plantings (23,756 SF / 0.55 AC)

Species	Common Name	Layer	Size	Type	Spacing	Quantity	Bareroot Equivalent
<i>Betula nigra</i> *	River birch	Canopy tree	6'-8' Height	#7 Container	16'-18' O.C.	21	74
<i>Platanus occidentalis</i>	American sycamore	Canopy tree	6'-8' Height	#7 Container	16'-18' O.C.	21	74
<i>Salix nigra</i>	Black willow	Canopy tree	6'-8' Height	#7 Container	16'-18' O.C.	21	74
<i>Nyssa sylvatica</i>	Blackgum	Canopy tree	6'-8' Height	#7 Container	16'-18' O.C.	21	74
<b>Total:</b>						<b>84</b>	<b>294</b>
<i>Magnolia virginiana</i> *	Sweetbay magnolia	Understory tree	4' Height	#5 Container	12'-14' O.C.	14	49
<i>Carpinus caroliniana</i>	American hornbeam	Understory tree	4' Height	#5 Container	12'-14' O.C.	14	49
<b>Total:</b>						<b>28</b>	<b>98</b>

**Note:** Required for mitigation: 371 bareroot seedlings or 106 #5 or #7 container grown trees.

Assume 100% canopy and 20% understory

\*=multi-stem form

#### Specimen Tree Replacement Plantings

Species	Common Name	Layer	Size	Type	Spacing	Quantity	DBH Mitigation
<i>Acer rubrum</i>	Red maple	Canopy tree	2" Caliper	B&B	As Shown	4	8
<i>Celtis occidentalis</i>	Hackberry	Canopy tree	2" Caliper	B&B	As Shown	4	8
<i>Quercus alba</i>	White oak	Canopy tree	2" Caliper	B&B	As Shown	4	8
<i>Liriodendron tulipifera</i>	Tuliptree	Canopy tree	2" Caliper	B&B	As Shown	4	8
<b>Total:</b>						<b>16</b>	<b>32</b>

**Note:** Required for mitigation: 32" DBH replacement or 16 2" trees.

#### Woodland Conservation Worksheet for Governmental and Linear Projects in Prince George's County CB-20-2024 (Effective July 1, 2024)

##### SECTION 1-Establishing Site Information

1 Property Description or Name:	HENSON CREEK TRIBUTARY S-20		
2 Project Location:	Temple Hills, MD		
3 TCP2 Number:	TCP2-034-2024	Revision #	0
4 NRI Number:	NRI-008-2024	Revision #	0
5 Current Zone(s)	RR		
6 Located in a Priority Funding Area (PFA)?	Y	(Y/N)	
7 Gross Tract:	2.31 acres		
8 Project Area/Limits:	2.31 acres		

##### SECTION 2-Determining Requirements

9 Existing Woodland in Project Limits = WC?	1.35	or	58.44%
10 Woodland Cleared in Project Limits	1.35		
11 Total area of woodland cleared (subject to 1:1 replacement)	1.35		
12 Off-Site Woodland Conservation provided on this property	0.00		
14 Woodland Conservation Requirement:	1.35 acres		

##### SECTION 3-Meeting the Requirements

15 On-site Woodland Preservation	0.00		
16 On-site Afforestation /Reforestation	1.35	Bond amount:	\$ 17,641.80
17 On-site Natural Regeneration	0.00		
18 Specimen/Historic Tree Credit (CRZ area *1.0)	0.00		
19 Off-site WC in preservation provided on this property	0.00		
20 Off-site WC in afforestation provided on this property	0.00		
21 Forest Enhancement Credits (Area*0.50)	0.00		
22 On-site Landscape Credit (T-O-C only)	0.00		
23 Street Tree Credit (Existing or 10-year canopy coverage)	0.00		
24 Prior Credit for Woodland Conservation provided off-site	0.00		
25 Current Credit for Woodland Conservation provided off-site	0.00		
26 Area provided in Fee-in-lieu	0.00	Fee amount:	\$0.00
28 Woodland Conservation Provided	1.35 acres		

##### 29 Regulated Stream Buffer (RSB) Afforestation Requirement

30 Unforested Regulated Stream Buffer On-site (See NRI site statistics table)	0.73		
31 Has the applicant demonstrated that full buffer afforestation cannot be provided? (SOJ required)	Y		
32 Adjustment granted to RSB afforestation requirements	0.73		
33 Adjusted RSB Afforestation Requirement	0.00		
34 Does the on-site afforestation satisfy the Adjusted RSB afforestation requirement? (Y/N)			

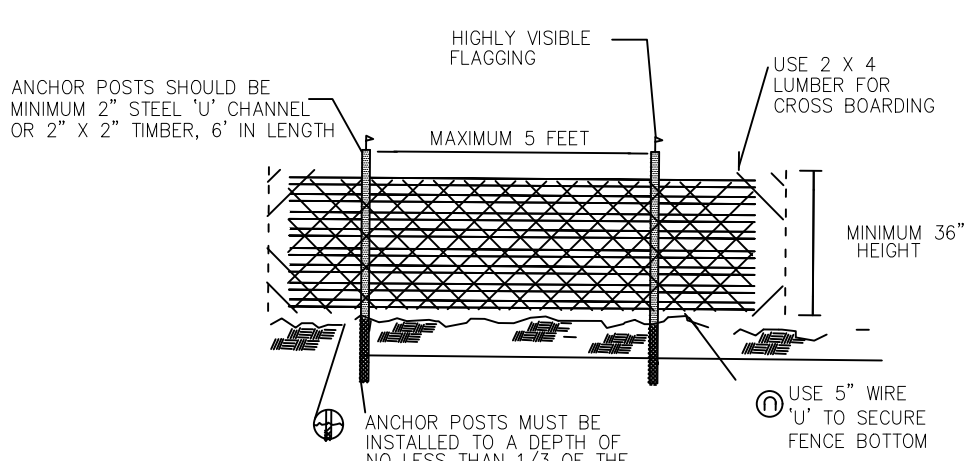
*Daniel Yeager*

11/5/2024

34 Prepared by:	Signature	Date
35 Qualifications		

**NOTE:** THIS PLAN IS APPROVED IN ACCORDANCE WITH THE FOLLOWING VARIANCE FROM THE STRICT REQUIREMENTS OF SUBTITLE 25 APPROVED BY THE PLANNING DIRECTOR ON XXX: THE REMOVAL OF FOUR (4) SPECIMEN TREES (SECTION 25-122(B)(1)(G)), LABELED AS ST-4, ST-5, ST-6, AND ST-7 ON THIS PLAN.

#### BLAZE ORANGE PLASTIC MESH

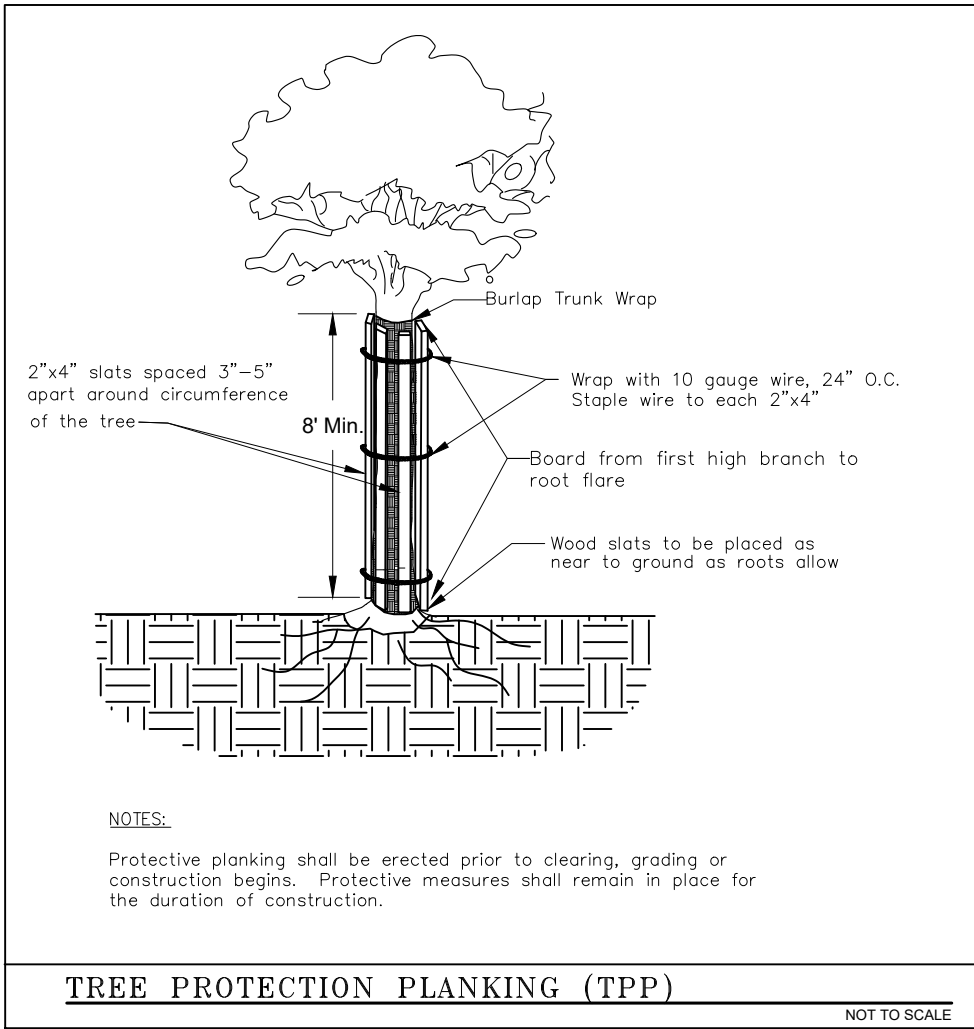


##### NOTES:

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

#### TREE PROTECTION FENCING

Not To Scale



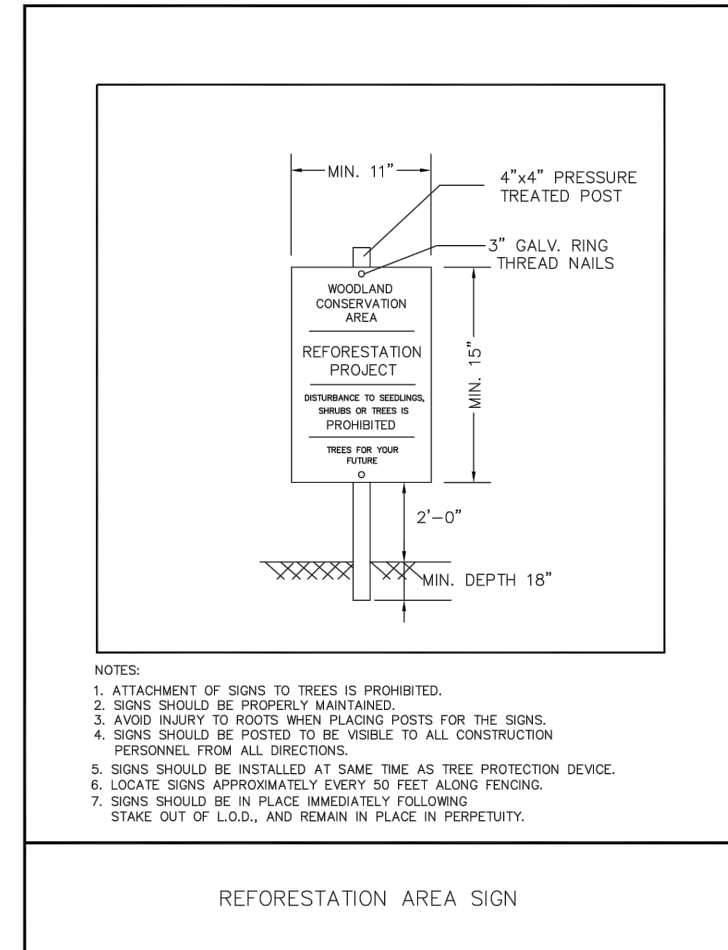
##### NOTES:

Protective planking shall be erected prior to clearing, grading or construction begins. Protective measures shall remain in place for the duration of construction.

#### TREE PROTECTION PLANKING (TPP)

NOT TO SCALE

#### TCP-18.Reforestation Area Sign



##### NOTES:

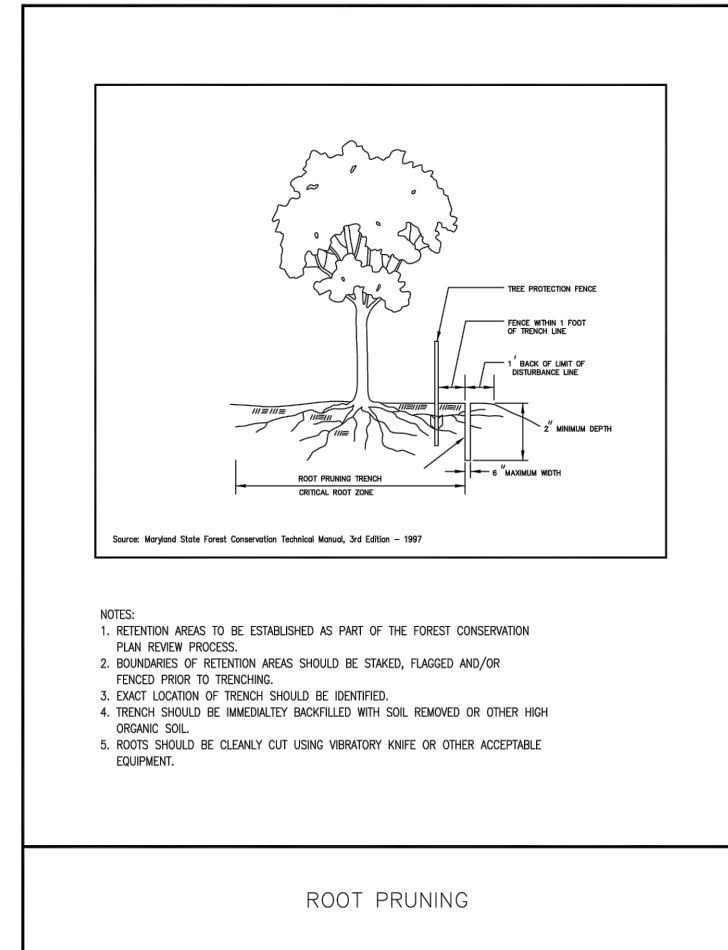
- ATTACHMENT OF SIGNS TO TREES IS PROHIBITED.
- SIGNS SHOULD BE PROTECTED BY BARRICADES.
- AVOID INJURY TO ROOTS WHEN PLACING POSTS FOR THE SIGNS.
- SIGNS SHOULD BE POSTED TO BE VISIBLE TO ALL CONSTRUCTION PERSONNEL FROM ALL DIRECTIONS.
- SIGNS SHOULD BE INSTALLED AT SAME TIME AS TREE PROTECTION DEVICE.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

#### REFORESTATION AREA SIGN

Prince George's County Planning Department

Appendix A-43

#### TCP-26.Root Pruning Detail



##### NOTES:

- RETENTION AREA TO BE ESTABLISHED AS PART OF THE FOREST CONSERVATION PLAN REVIEW PROCESS.
- BOUNDARIES OF RETENTION AREA SHOULD BE STAKED, FLAGGED AND/OR FENCED PRIOR TO PRUNING.
- EXACT LOCATION OF TREES SHOULD BE IDENTIFIED.
- TREES SHOULD BE IMMEDIATELY BARICADED WITH SIGNS REMOVED OR OTHER HIGH VISIBLE SIGNS.
- ROOTS SHOULD BE CLEANLY CUT USING VIBRATORY KNIFE OR OTHER APPROPRIATE EQUIPMENT.

#### ROOT PRUNING

Prince George's County Planning Department

Appendix A-43

#### SPECIMEN TREES (≥30")

NUMBER	SPECIES	DBH	CONDITION	NOTES	DIPOSITION	PROTECTION TYPE
ST-1	Tuliptree ( <i>Liriodendron tulipifera</i> )	30	Good	-	Remain	-
ST-2	Tuliptree ( <i>Liriodendron tulipifera</i> )	30	Fair	-	Remain	-
ST-3	White Oak ( <i>Quercus alba</i> )	30	Fair	Co-dominant leaders	Remain	-
ST-4	American Beech ( <i>Fagus grandifolia</i> )	34.1	Fair	-	Removed	-
ST-5	Tuliptree ( <i>Liriodendron tulipifera</i> )	30.2	Poor	-	Removed	-
ST-6	Tuliptree ( <i>Liriodendron tulipifera</i> )	33.8	Fair	On stream bank	Removed	-
ST-7	Tuliptree ( <i>Liriodendron tulipifera</i> )	30.4	Fair	On stream bank	Removed	-
ST-8	American Beech ( <i>Fagus grandifolia</i> )	48.8	Fair	-	Remain	-
ST-9	Tuliptree ( <i>Liriodendron tulipifera</i> )	33.1	Fair	-	Remain	-

**Note:** This plan is approved in accordance with the following variance from the strict requirements of Subtitle 25 approved by the Planning Director on XXX: The removal of four (4) specimen trees (Section 25-122(b)(1)(G)), labeled as ST-4, ST-5, ST-6, and ST-7.

[1]Table B-1. Natural Resources Inventory Statistics Table

Site or Project Statistics	Total <sup>1</sup>
Gross tract or project area (LOD)	2.31
Existing 100-year floodplain	1.03
Net tract or project area	1.28
Existing woodland [2] in net tract or project area	0.51
Existing woodland <sup>2</sup> in the floodplain	0.84
Existing woodland <sup>2</sup> total	1.35
Delineated Primary Management Area (PMA)	2.10
Primary Buffer (CBCA only)	0.00
Secondary Buffer (CBCA only)	
Regulated Stream Buffers in Transit-Oriented Centers (T-O-C) 3	
Regulated Streams (linear feet of centerline)	0
Regulated Stream Buffer (75-feet-wide)	0.00
Unforested Regulated Stream Buffer	0
Regulated Stream Buffers not in Transit-Oriented Centers (T-O-C) 3	
Regulated Streams (linear feet of centerline)	1,127
Regulated Stream Buffer (100-feet-wide)	2.10
Unforested Regulated Stream Buffer	0.73

Effective: July 1, 2024 CB-20-2024 and CB-22-2024

- Figures are to be provided in acres rounded to the nearest 1/100<sup>th</sup> unless otherwise indicated
- For woodland within the CBCA, this also applies to developed woodland
- Acres of on-site woodland up to 100 feet measured from the stream centerline or from the top of bank on both sides of all regulated streams

#### PROPERTY OWNERS

#### AWARENESS CERTIFICATE

I/We Jonathan R. Butler 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 Owner's Representative

11/20/2024

Date

THIS PLAN WAS PREPARED BY:  
DANIEL YEAGER, MD DNR QUALIFIED PROFESSIONAL

*Daniel Yeager*

DANIEL YEAGER  
CENTURY ENGINEERING, LLC, A KLEINFELDER COMPANY  
10710 GILROY RD., HUNT VALLEY, MD 21031  
443-689-2670 / DYEAGER@CENTURYENG.COM

11/5/2024

DATE

DWG. 6 OF 6

**CENTURY ENGINEERING**  
A KLEINFELDER COMPANY  
10710 GILROY ROAD, HUNT VALLEY, MD 21031  
PHONE: 443-589-2400

#### 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  
TCP2-034-2024

Approved by	Date	DRD #	Reason for Revision
00 <i>Blair J. Schuler</i>	1/10/2025		N/A
01			
02			
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DEPARTMENT OF THE ENVIRONMENT



CAPITAL PROJECTS SECTION  
STORMWATER MANAGEMENT  
DIVISION

HENSON CREEK TRIBUTARY S-20  
STREAM RESTORATION  
PRINCE GEORGE'S COUNTY, MARYLAND  
ELECTION DISTRICT 5

TREE CONSERVATION PLAN 2  
TABLES AND DETAILS