

FOREST CONSERVATION ACT REPORTING INFORMATION

	Original Approval	Revision Number (-01)	Revision Number (-02)	Change Since Last Approval
Gross Tract (Acres)	4.72			
Existing Woodland (Acres)	2.65			
Woodland Cleared (Acres)	2.65			
Woodland Retained On-Site (Acres)	0			
Woodland Planted On-Site (Acres)	1.67			
On-Site Woodland Easement/ Preservation and Planting (Acres)	0			
On-Site Wooded Floodplain in Easement (Acres)	0			
Bond Amount	\$21,823.56			
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	2,231			
50' Stream Buffers Newly Established (Afforestation) - Acreage	1.67			
Off-Site Woodland Conservation Credits Required (Acres)	0.54			
Off-Site Woodland Conservation Credits Provided (Acres)	0.54			

WOODLAND CONSERVATION SUMMARY TABLE

SHEET	GROSS TRACT AREA		EX. WOODLAND (FP)	WOODLAND CLEARED NET TRACT (C-GTA)	WOODLAND CLEARED FLOODPLAIN (C-FP)	PROPOSED CLEARING FOR THIS APPLICATION	WOODLAND CLEARED OFFSITE (C-OS)	WSSC WOODLAND CLEARING BY FCP# S13-22		WOODLAND REFORESTATION AREA (WRA)**	WOODLAND RETAINED/ NOT CREDITED (WR-NC)	WOODLAND RETAINED/ ASSUMED CLEARED (WR-AC)
3	1.52	0.20	0.00	0.20	0.00	0.20	0.00	0.04	0.00	0.20	0.00	0.00
4	0.92	0.45	0.30	0.15	0.30	0.45	0.00	0.11	0.00	0.23	0.00	0.00
5	1.17	0.95	0.83	0.12	0.83	0.95	0.00	0.23	0.00	0.67	0.00	0.00
6	1.11	1.05	0.97	0.08	0.97	1.05	0.00	0.06	0.00	0.57	0.00	0.00

*0.37 AC OF EXISTING STREAM HAS BEEN NETTED OUT OF THE EX. WOODLAND TOTAL **NUMBERS ARE CREDITED AS "LANDSCAPE CREDIT" ON FOREST CONSERVATION WORKSHEET.

NOTE: ALL AREAS BASED ON LOD AREA, (4.72 AC).





NO.	REVISIONS	
DATE:	CAD STANDARDS VE	RSION:
DESIGNED BY:	DRAWN BY:	C

CLEAN WATER PARTNERSHIP

OXON RUN NO. 8 SWM FACILITY RETROFIT AND TRIBUTARY TO OXON CREEK STREAM RESTORATION

TYPE 2 TREE CONSERVATION PLAN

SCALE: 1"=2000'

BY DATE	MISS UTILITY NOTE INFORMATION CONCERNING EXISTING UNDERGROUND UTILITIES WAS OBTAINED FROM AVAILABLE RECORDS. THE CONTRACTOR MUST DETERMINE THE EXACT LOCATION AND ELEVATION OF ALL EXISTING UTILITIES AND UTILITY CROSSINGS BY DIGGING TEST PITS BY HAND, WELL IN ADVANCE OF THE START OF EXCAVATION. CONTACT "MISS UTILITY" AT 1-800-257-7777, 48 HOURS PRIOR TO THE START OF EXCAVATION. IF CLEARANCES ARE LESS THAN SHOWN ON THIS PLAN OR TWELVE (12) INCHES, WHICHEVER IS LESS. CONTACT THE ENGINEER AND	OWNER/DEVELOPER/APPLICANT PRINCE GEORGE'S COUNTY GOVERNMENT DEPARTMENT OF THE ENVIRONMENT C/O CORVIAS 1801 McCORMICK DRIVE, SUITE 280 LARGO, MD 20774 PHONE # (301) 291-2553	MAP_096 TAX MAP 96-C2 WSSC 200' SHEET 207SE02	GRID <u>C2</u> ZONING CATEGORY R-O-S	THIS PLAN WAS PREPRARED BY: ISHA MCKNIGHT MARYLAND DEPARTMENT OF NATURAL RESOURCES QUALIFIED PROFESSIONAL STATUS (2021) Isha MCKNIGHT 5-17-2023 ISHA MCKNIGHT DATE (443) 539-2550 STRAUGHAN ENVIRONMENTAL
CHECKED BY:	THE UTILITY COMPANY BEFORE PROCESSING WITH CONSTRUCTION. CLEARANCES LESS THAN NOTED MAY REQUIRE REVISION TO THIS PLAN.	CESSING WITH THAN NOTED IS PLAN.	SITE DATUM HORIZONTAL: <u>NAD83</u> VERTICAL: <u>NAVD88</u>		10245 OLD COLUMBIA ROAD, COLUMBIA MD 21046 IMCKNIGHT@STRAUGHANENVIRONMENTAL.COM

	SHEET IND	DEX
<u>SHEET #</u>	DWG #	SHEET TITLE
01	TCP-01	TITLE SHEET
02	TCP-02	STUDY AREA
03	TCP-03	TREE CONSERVATION PLAN
04	TCP-04	TREE CONSERVATION PLAN
05	TCP-05	TREE CONSERVATION PLAN
06	TCP-06	TREE CONSERVATION PLAN
07	TCP-07	NOTES & DETAILS

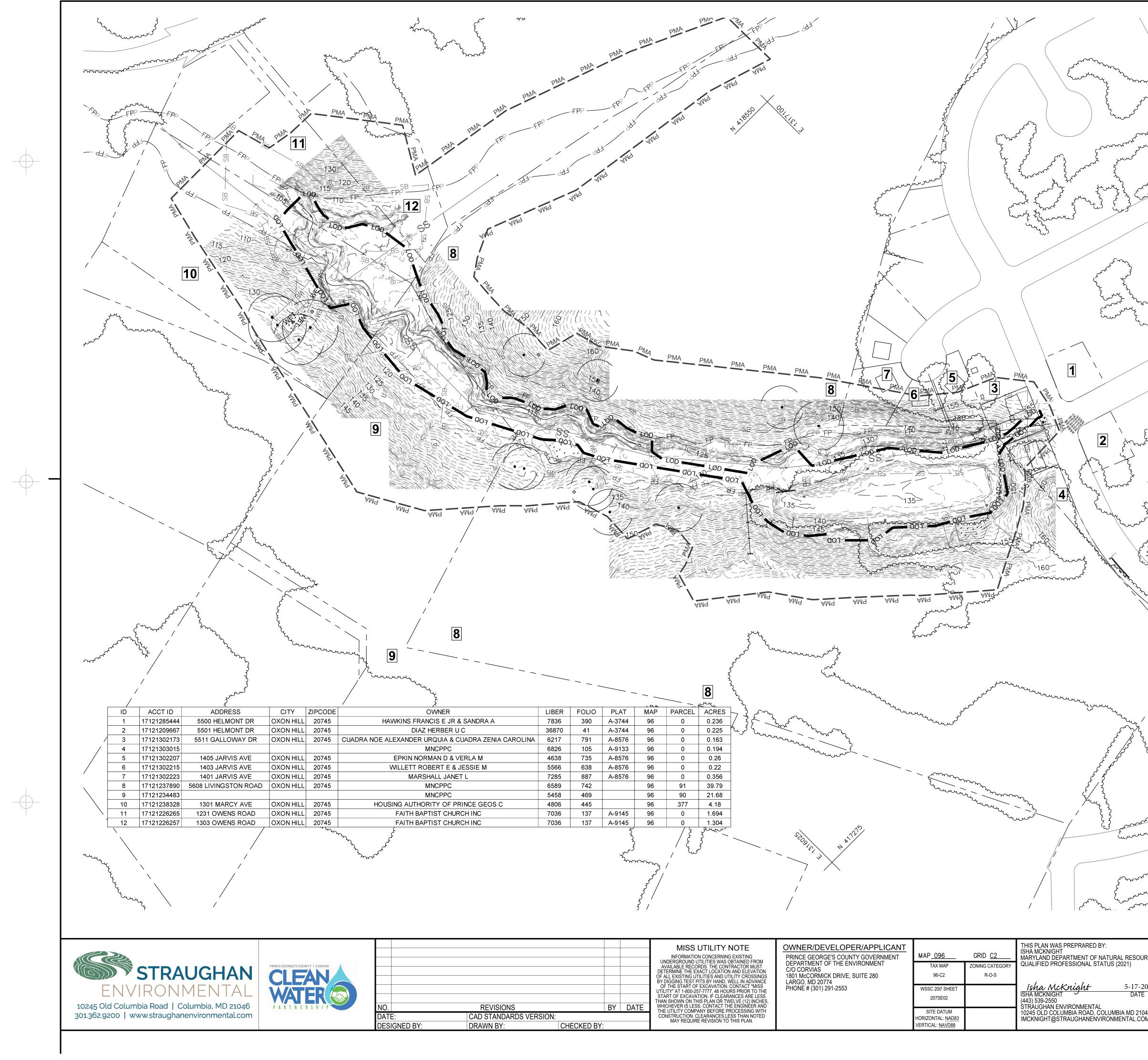
	<u>Ov</u>	vner's Awaren	ess Certifica	te
				aware of this Type 2 Tree
Conservation F	Plan (TCP2) and th	at we understand t	he requirements a	s set forth in this TCP2
James 1	yons		5/25/2023	
Owner/Owner's Rep	<i>d</i> presentative		Date	
		EE CONSERVA TCP2-00		
\sim	Approved by	Date	DRD #	Reason for Revision
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TYPE 2 TREE CONSERVATION PLAN

DOE CLEAN WATER PARTNERSHIP

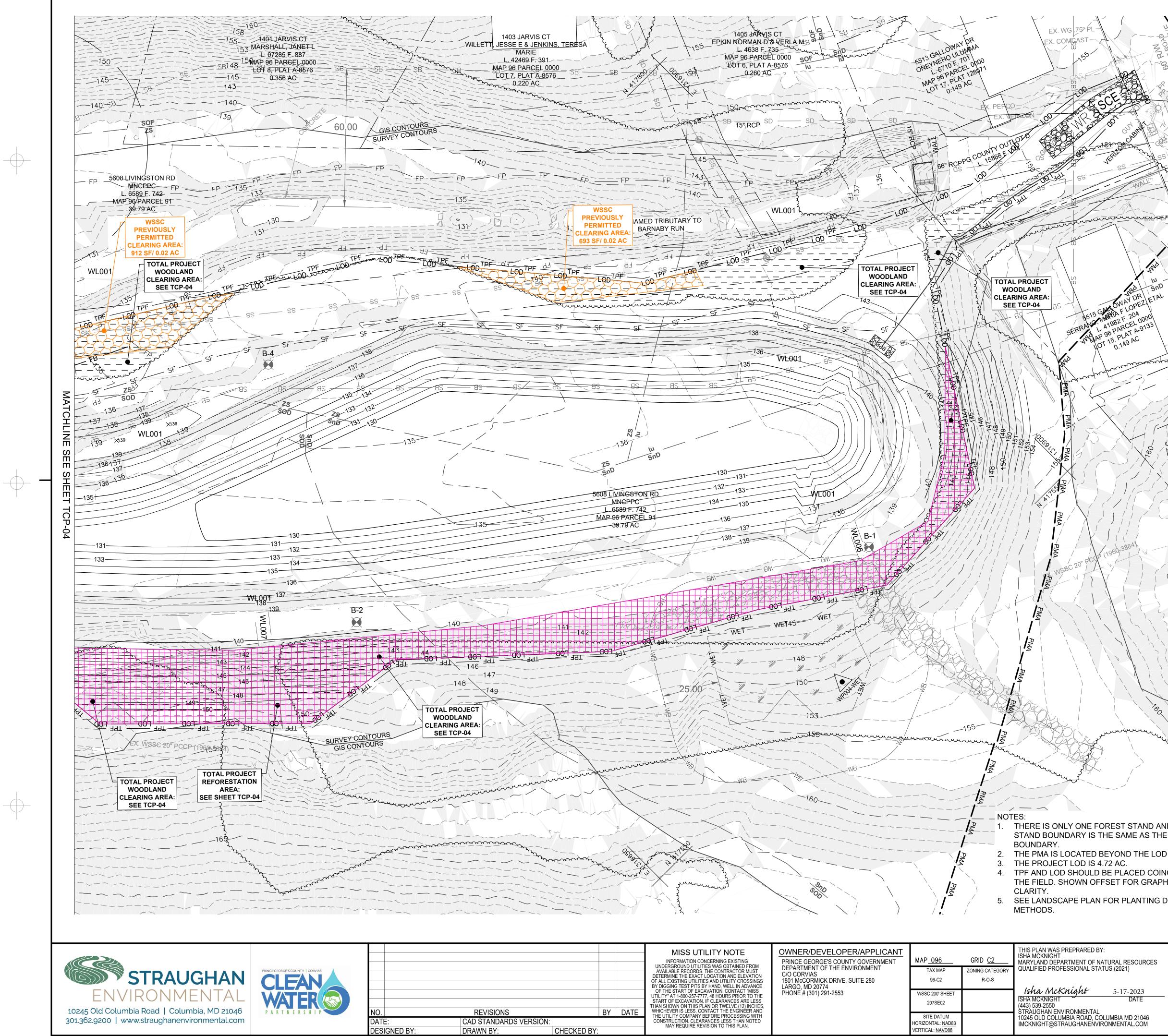
BIRCHWOOD CITY COMMUNITY REC CENTER OXON RUN NO. 8 SWM FACILITY RETROFIT AND TRIBUTARY TO OXON CREEK STREAM RESTORATION ELECTION DISTRICT NO. 12, PRINCE GEORGE'S CO. MD

SCALE N/A SHEET 1 OF _____ TCP-01 PROJECT NO. 7028-004



	- MISS UTILITY NOTE INFORMATION CONCERNING EXISTING UNDERGROUND UTILITIES WAS OBTAINED FROM	OWNER/DEVELOPER/APPLICANT PRINCE GEORGE'S COUNTY GOVERNMENT	MAP <u>096</u>	GRID <u>C2</u>	THIS PLAN WAS PREPRARED BY: ISHA MCKNIGHT MARYLAND DEPARTMENT OF NATURAL F
	AVAILABLE RECORDS. THE CONTRACTOR MUST	DEPARTMENT OF THE ENVIRONMENT	TAX MAP	ZONING CATEGORY	QUALIFIED PROFESSIONAL STATUS (2027
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		OF THE START OF EXCAVATION. CONTACT "MISS JTILITY" AT 1-800-257-7777, 48 HOURS PRIOR TO THE START OF EXCAVATION. IF CLEARANCES ARE LESS HAN SHOWN ON THIS PLAN OR TWELVE (12) INCHES,	PHONE # (301) 291-2553	WSSC 200' SHEET 207SE02	
BY DATE	THE UTILITY COMPANY BEFORE PROCESSING WITH		SITE DATUM		
CHECKED BY:	CONSTRUCTION. CLEARANCES LESS THAN NOTED — MAY REQUIRE REVISION TO THIS PLAN.		HORIZONTAL: <u>NAD83</u> VERTICAL: <u>NAVD88</u>		IMCKNIGHT@STRAUGHANENVIRONMENT
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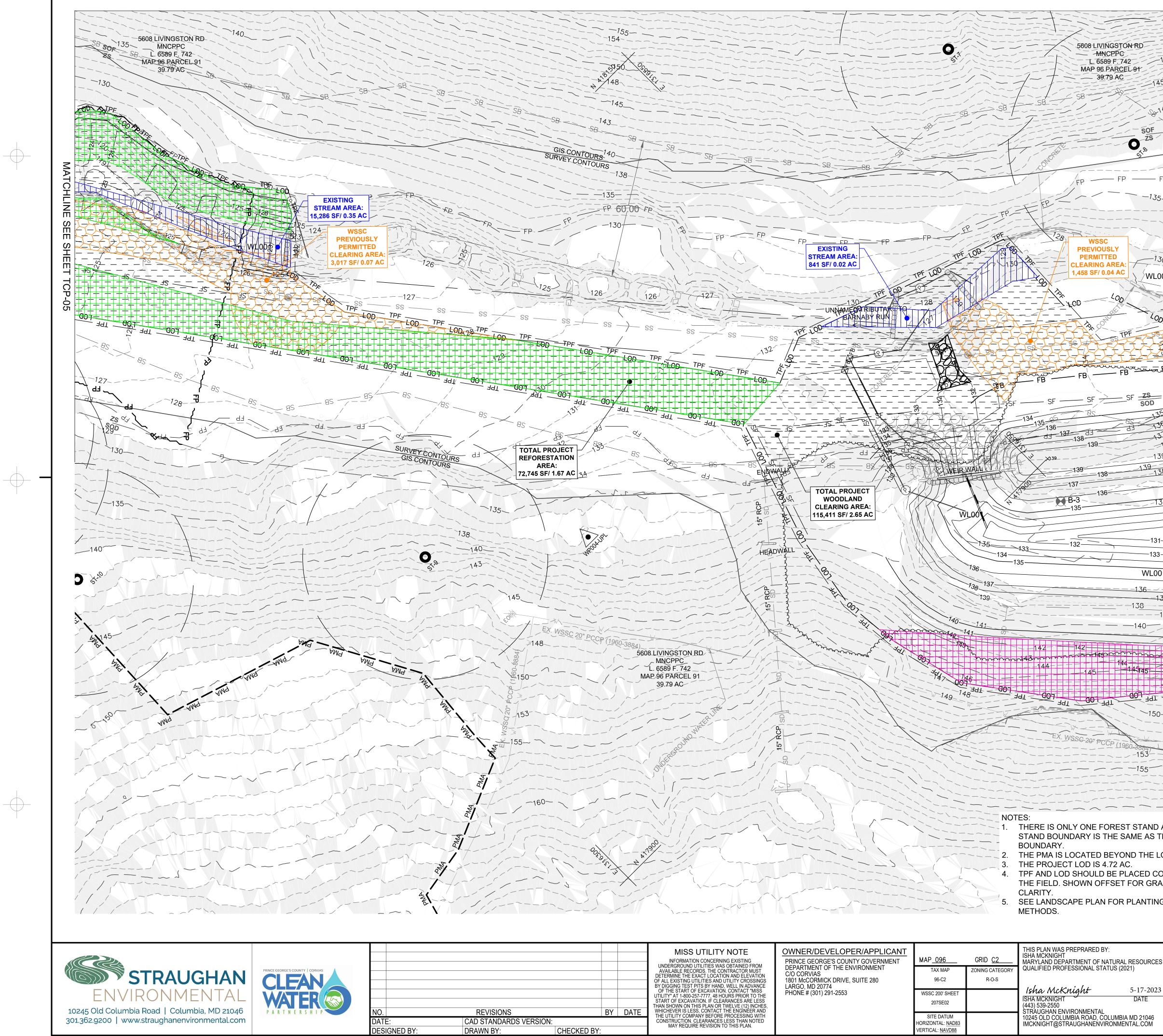
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Junior	James Lyons Owner/Owner's Representative		5/25/2023 Date		
/ North		eorge's County Plan Environmental P	lanning Section		
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	Approved by	Date	DRD #		or Revision
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46 M	TRIBUTARY TO OXON	PROJECT NO. 7028-004			



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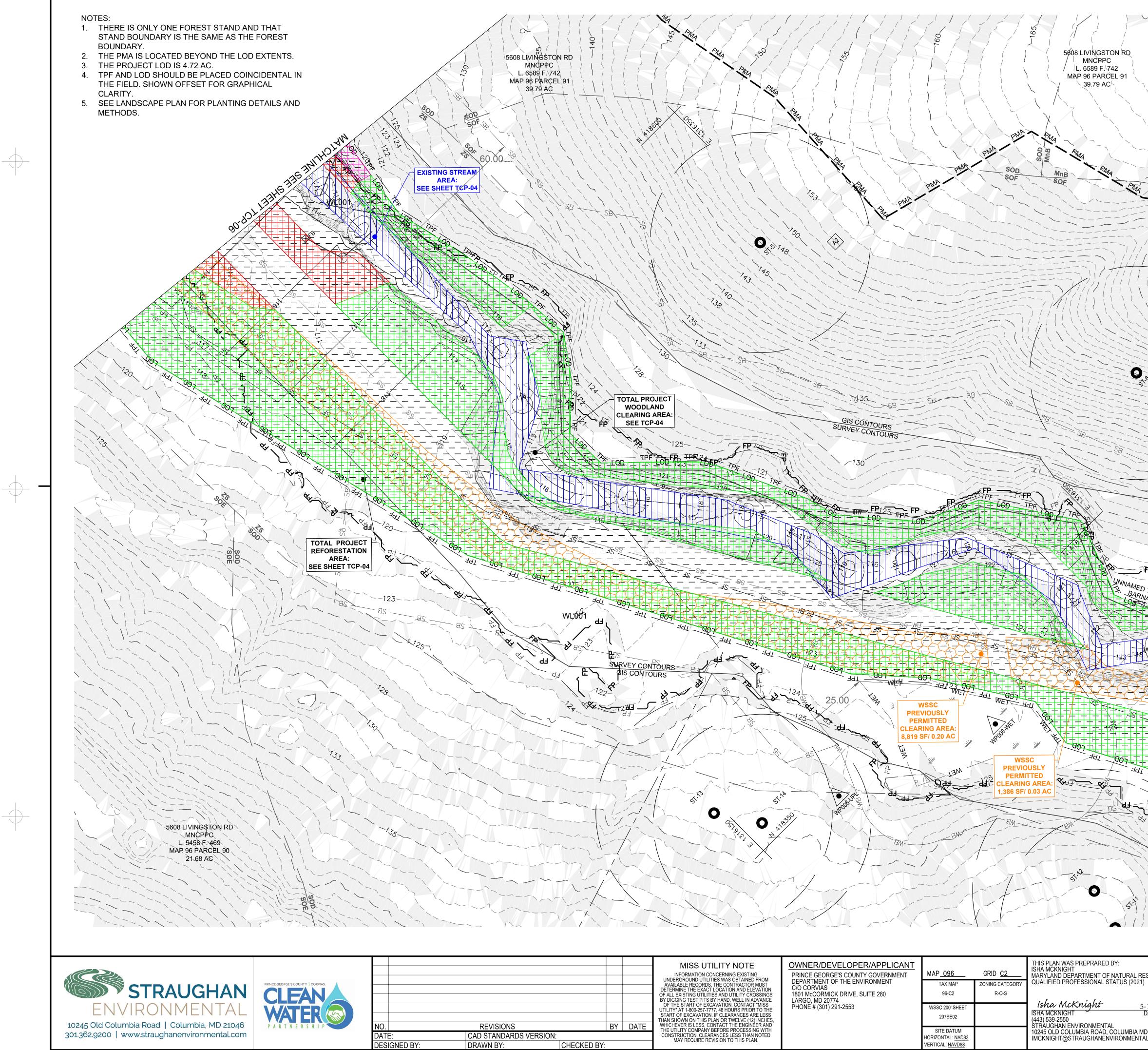
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Jecocococo I		by Date	002-2023	Reason for Revision
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11	James Lyons Owner/Owner's Representative		5/25/2023 Date	
	I/We <u>DOE Clean Water P</u> Conservation Plan (TCP2		-	aware of this Type 2 Tree is set forth in this TCP2
		Owner's Awar	eness Certifica	te
		EXISTING STREAM AF WSSC PREVIOUSLY F CLEARING AREA		
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25B.N		ZONE 5: UPLAND FOR	REST PLANTINGS	
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		WOODLAND CLEARIN ZONE 3: MESIC FORE		
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		EXISTING TREE LINE		
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- 3		PROPERTY BOUNDAR		

ESOURCES	TYPE 2 TREE CONSERVATION PLAN	SCALE 1"=20'
-2023 DATE	DOE CLEAN WATER PARTNERSHIP BIRCHWOOD CITY COMMUNITY REC CENTER OXON RUN NO. 8 SWM FACILITY RETROFIT AND	SHEET <u>3</u> OF <u>7</u> TCP-03
/ID 21046 AL.COM	TRIBUTARY TO OXON CREEK STREAM RESTORATION ELECTION DISTRICT NO. 12, PRINCE GEORGE'S CO. MD	PROJECT NO. 7028-004



	MISS UTILITY NOTE INFORMATION CONCERNING EXISTING UNDERGROUND UTILITIES WAS OBTAINED FROM	OWNER/DEVELOPER/APPLICANT PRINCE GEORGE'S COUNTY GOVERNMENT DEPARTMENT OF THE ENVIRONMENT	MAP_ <u>096</u>	GRID <u>C2</u>	THIS PLAN WAS PREPRARED BY: ISHA MCKNIGHT MARYLAND DEPARTMENT OF NATURAL RES QUALIFIED PROFESSIONAL STATUS (2021)
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5	TYPE 2 TREE CO	ONSERVATI	ON PLAN LEG	END		
	LOD		DISTURBANCE			
			TY BOUNDARY			
-150		WSSC EA	SEMENT			
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	MnB	SOILS BC				
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	SB	60' STRE/	AM BUFFER			
		WETLAN	D DATA SAMPL	E POINT		
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-146	Conservation Plan (TCP2		•	•	•	•
	James Lyons			5/25/2023		
0	Owner/Owner's Representative			Date		
	Pri			ning Department,	M-NCPPC	
	ТҮР			lanning Section	PPROVAL	
			TCP2-00)2-2023		
	Approved b	y O	Date	DRD #		or Revision
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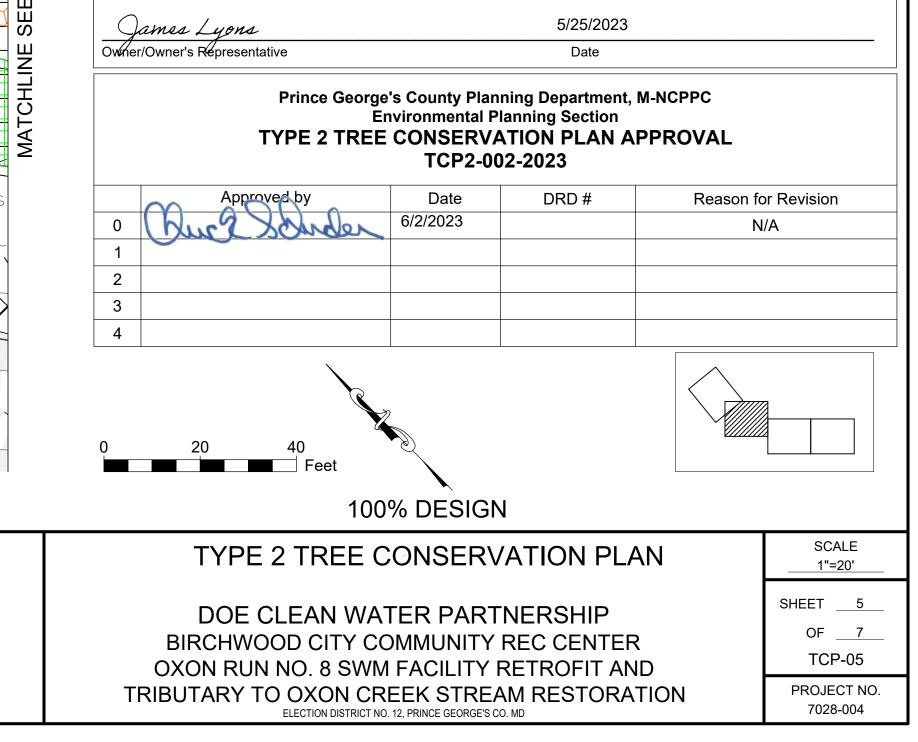


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CHECKED BY:	CONSTRUCTION. CLEARANCES LESS THAN NOTED MAY REQUIRE REVISION TO THIS PLAN.		HORIZONTAL: <u>NAD83</u> VERTICAL: <u>NAVD88</u>		IMCKNIGHT@STRAUGHANENVIRONMENTAL.COM

TYPE 2 TREE CO	ONSERVATION PLAN LEGEND
LOD	LIMIT OF DISTURBANCE
	PROPERTY BOUNDARY
	WSSC EASEMENT
SOD MnB	SOILS BOUNDARY
	STEEP SLOPES (>15% OR GREATER)
FP	DPIE 100-YEAR FLOODPLAIN (2021)
——— FP ———	PROPOSED FLOODPLAIN
<u>→⊥⊥∠</u> W <u>→⊥⊥∠</u> W →⊥⊥∠ W W	WETLAND
WB	25' WETLAND BUFFER
	REGULATED STREAM
SB	60' STREAM BUFFER
	WETLAND DATA SAMPLE POINT
A3	FSD DATA SAMPLE POINT
ST-12	SPECIMEN TREE WITH CRITICAL ROOT ZONE
	EXISTING TREE LINE
PMAPMA	PRIMARY MANAGEMENT AREA (PMA)
GIS CONTOURS SURVEY CONTOURS	SURVEY BOUNDARY
TPF	TREE PROTECTION FENCE (TEMPORARY)
	WOODLAND CLEARING AREA
	ZONE 3: MESIC FOREST PLANTINGS
	ZONE 4: RIPARIAN FLOODPLAIN FOREST PLANTINGS
	ZONE 5: UPLAND FOREST PLANTINGS
	ZONE 8: WETLAND DEPRESSION PLANTINGS
	EXISTING STREAM AREA
KXXXX	WSSC PREVIOUSLY PERMITTED CLEARING AREA

Owner's Awareness Certificate

I/We DOE Clean Water Partnership, 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

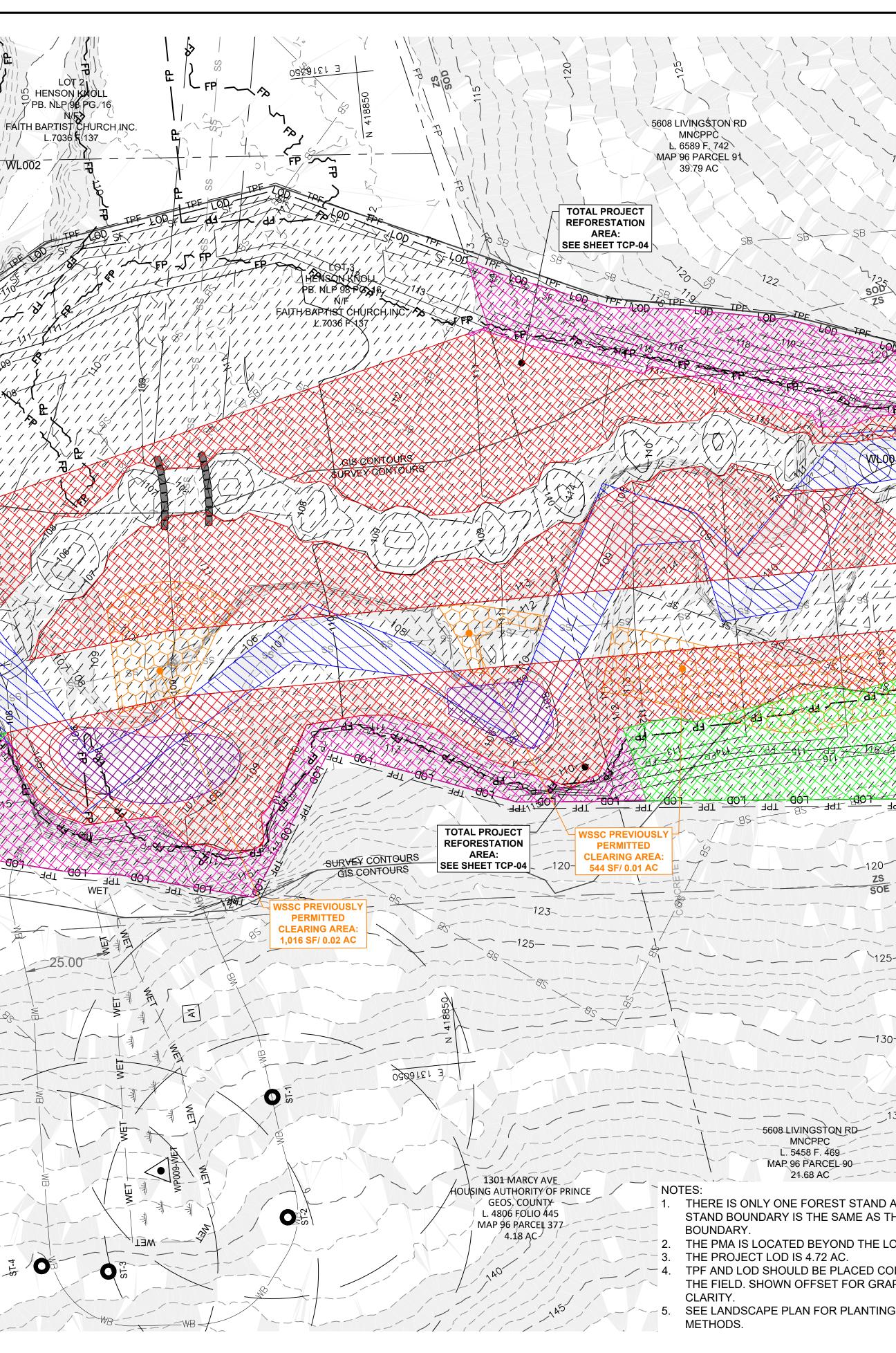


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LOT 2 HENSON KNOLL PB. NLP 98 PG./16 _____N/F [] FAITH BAPTIST CHURCH INC. 092912 L.7036 F.137 LÓT 3 HENSON KNOLL PB. NLP/98/PG. 16/ FAITH BAPTIST CHURCH INC. L.7036/F.137 EXISTING STREAM AREA: SEE SHEET TCP-04 MED TRIBUTARY, FP -8 TOTAL PROJECT WOODLAND CLEARING AREA: SEE TCP-04 SSC PREVIOUSLY 🚽 PERMITTED CLEARING AREA: 1,101 SF/ 0.03 AC 1301 MARCY AVE HOUSING AUTHORITY OF PRINCE GEOS. COUNTY L,4806 FOLIO 445 MAP 96 PARCEL 377 4.18 AC STRAUGHAN PRINCE GEORGE'S COUNTY | CORVIAS ENVIRONMENTAL WATER 10245 Old Columbia Road | Columbia, MD 21046 NO. DATE: DESIGNED BY: REVISIONS PARTNERSHI 301.362.9200 | www.straughanenvironmental.com CAD STANDARDS VERSION: DRAWN BY:

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	TYPE 2 TREE C	ONSERVATI	ON PLAN LEGI	END		
	LOD					
			TY BOUNDARY			
	SOD	SOILS BO				
-130	MnB		-OPES (>15% (DR GREATER)		
	FP		YEAR FLOODF			
2 BB	FP		ED FLOODPLA			
	$ \geq \frac{1}{\sqrt{1}} \qquad $	WETLAND	D			
	WB		AND BUFFER			
	SB		ED STREAM AM BUFFER			
		WETLAND	D DATA SAMPL	E POINT		
	A3	FSD DATA	A SAMPLE POI	NT		
90-0			N TREE WITH ROOT ZONE			
TCF	\ST-12					
HEE			TREE LINE	T AREA (PMA)		
	<u>PMA</u> <u>PMA</u> GIS CONTOURS		BOUNDARY			
S S S S S S S S S S S S S S S S S S S	SURVEY CONTOURS	TREE PRO		NCE		
MATCHLINE		(TEMPOR WOODLA	ARY) ND CLEARING	AREA		
MATC		ZONE 3: N	MESIC FORES	F PLANTINGS		
		ZONE 4: F		ODPLAIN FORES	т	
		1		ST PLANTINGS		
		ZONE 8: V	WETLAND DEP	RESSION PLANT	INGS	
		EXISTING	STREAM ARE	A		
		WSSC PR CLEARIN	EVIOUSLY PE G AREA	RMITTED		
		Owne	er's Awarer	ness Certifica	ate	
	I/We DOE Clean Water F	Portnorshin k	oroby ocknow	lodgo that we are	owara of this T	
	Conservation Plan (TCP)		•	•	•	•
	James Lyons Owner/Owner's Representative			5/25/2023 Date		
77		rince George	's County Plan	ning Department,	M-NCPPC	
		En	vironmental P	Ianning Section		
35— -			TCP2-00			
	0 Que Se	Juder	Date 6/2/2023	DRD #		or Revision I/A
AND THAT	1 2					
HE FOREST	3 4					
OD EXTENTS.	T					
DINCIDENTAL IN						
G DETAILS AND	0 20 4	ł0 ∃ Feet —				
		100	% DESIGN	J		
	TYPE 2	TREE C	ONSERV	ATION PL	AN	SCALE 1"=20'
,			ΓΕΒ ΡΔΡΤ	NERSHIP		SHEET <u>6</u>
-	BIRCHWOOI	CITY CC	OMMUNITY	REC CENTER		OF <u>7</u> TCP-06
	OXON RUN N TRIBUTARY TO (OXON CR		AM RESTORA		PROJECT NO. 7028-004
	LL LL		0 0 0 0			

STANDARD TYPE 2 TREE CONSERVATION PLAN NOTES

- THIS PLAN IS SUBMITTED TO FULFILL THE WOODLAND CONSERVATION REQUIREMENTS FOR NRI-154-2022. IF NRI-154-2022 EXPIRES, THEN THIS TCP2 ALSO EXPIRES AND IS NO LONGER VALID.
- 2. CUTTING OR CLEARING OF WOODLAND NOT IN CONFORMANCE WITH THIS PLAN OR WITHOUT THE EXPRESSED WRITTEN CONSENT OF THE PLANNING DIRECTOR OR DESIGNEE SHALL BE SUBJECT TO A \$9.00 PER SQUARE FOOT MITIGATION FEE.
- 3. A PRE-CONSTRUCTION MEETING IS REQUIRED PRIOR TO THE ISSUANCE OF GRADING PERMITS. THE DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION OR THE DEPARTMENT OF ENVIRONMENTAL RESOURCES, AS APPROPRIATE, SHALL BE CONTACTED PRIOR TO THE START OF ANY WORK ON THE SITE TO CONDUCT A PRE-CONSTRUCTION MEETING WHERE IMPLEMENTATION OF WOODLAND CONSERVATION MEASURES SHOWN ON THIS PLAN WILL BE DISCUSSED IN DETAIL.
- 4. THE DEVELOPER OR BUILDER OF THE LOTS OR PARCELS SHOWN ON THIS PLAN SHALL NOTIFY FUTURE BUYERS OF ANY WOODLAND CONSERVATION AREAS THROUGH THE PROVISION OF A COPY OF THIS PLAN AT TIME OF CONTRACT SIGNING. FUTURE PROPERTY OWNERS ARE ALSO SUBJECT TO THIS REQUIREMENT.
- 5. THE OWNERS OF THE PROPERTY SUBJECT TO THIS TREE CONSERVATION PLAN ARE SOLELY RESPONSIBLE FOR CONFORMANCE TO THE REQUIREMENTS CONTAINED HEREIN.
- 6. THE PROPERTY IS WITHIN THE DEVELOPED TIER AND IS ZONED ROS AND RESIDENTIAL.
- 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.
- THIS PLAN IS NOT GRANDFATHERED UNDER CB-27-2010, SECTION 25-117 (G).

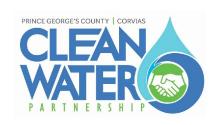
PLANTING SPECIFICATION NOTES

- 1. QUANTITY: (SEE PLANT SCHEDULE)
- 2. TYPE: (SEE PLANT SCHEDULE)

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- 3. 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. 4. PLANT HANDLING: THE QUANTITY OF SEEDLINGS TAKEN TO THE FIELD SHALL NOT EXCEED THE QUANTITY THAT CAN BE PLANTED IN A DAY.
- SEEDLINGS, ONCE REMOVED FROM THE NURSERY OR TEMPORARY STORAGE AREA SHALL BE PLANTED IMMEDIATELY.
- 5. TIMING OF PLANTING: THE BEST TIME TO PLANT SEEDLINGS IS WHILE THEY ARE DORMANT, PRIOR TO SPRING BUDDING. THE MOST SUITABLE MONTHS FOR PLANTING ARE MARCH AND APRIL, WHEN THE SOIL IS MOIST, BUT MAY BE PLANTED FROM MARCH THROUGH NOVEMBER. NO PLANTING SHALL BE DONE WHILE GROUND IS FROZEN. PLANTING SHALL OCCUR WITHIN ONE GROWING SEASON OF THE ISSUANCE OF GRADING /BUILDING PERMITS AND/OR REACHING THE FINAL GRADES AND STABILIZATION OF PLANTING AREAS.
- 6. SEEDLING PLANTING: TREE SEEDLINGS SHALL BE HAND PLANTED USING A DIBBLE BAR OR SHARP-SHOOTER SHOVEL. IT IS IMPORTANT THAT THE SEEDLING BE PLACED IN THE HOLE SO THAT THE ROOTS CAN SPREAD OUT NATURALLY; THEY SHOULD NOT BE TWISTED, BALLED UP OR BENT. MOIST SOIL SHOULD THEN BE PACKED FIRMLY AROUND THE ROOTS. SEEDLINGS SHOULD BE PLANTED AT A DEPTH WHERE THEIR ROOTS LIE JUST BELOW THE GROUND SURFACE. AIR POCKETS SHOULD NOT BE LEFT AFTER CLOSING THE HOLE WHICH WOULD ALLOW THE ROOTS TO DRY OUT. SEE PLANTING DETAILS FOR FURTHER EXPLANATION. IF THE CONTRACTOR WISHES TO PLANT BY ANOTHER METHOD, THE PREPARER OF THIS TREE CONSERVATION PLAN MUST BE CONTACTED AND GIVE HIS APPROVAL BEFORE PLANTING MAY BEGIN.
- SPACING: SEE PLANT SCHEDULE AND/OR PLANTING PLAN FOR SPACING REQUIREMENTS. ALSO REFER TO THE PLANTING LAYOUT DETAIL FOR A DESCRIPTION OF THE GENERAL PLANTING THEORY.
- 8. SOIL: UPON THE COMPLETION OF ALL GRADING OPERATIONS, A SOIL TEST SHALL BE CONDUCTED TO DETERMINE WHAT SOIL PREPARATION AND SOIL AMENDMENTS, IF ANY, ARE NECESSARY TO CREATE GOOD TREE GROWING CONDITIONS. SOIL SAMPLES SHALL BE TAKEN AT A RATE THAT PROVIDES ONE SOIL SAMPLE FOR EACH AREA THAT APPEARS TO HAVE A DIFFERENT SOIL TYPE (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
- 9. SOIL IMPROVEMENT MEASURES: THE SOIL SHALL THEN BE IMPROVED ACCORDING TO THE RECOMMENDATIONS MADE BY THE TESTING COMPANY.
- 10. FENCING AND SIGNAGE: NO PERMANENT FENCING OR SIGNAGE WILL BE PLACED.
- 11. PLANTING METHOD: CONSULT THE PLANTING DETAIL(S) SHOWN ON THIS PLAN.
- 12. MULCHING: APPLY TWO-INCH THICK LAYER OF WOODCHIP OR SHREDDED HARDWOOD MULCH (AS NOTED) TO EACH PLANTING AREA.
- 13. 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.
- 14. MOWING: NO MOWING SHALL BE ALLOWED IN ANY PLANTING AREA.
- 15. SURVIVAL CHECK FOR BOND RELEASE: THE SEEDLING PLANTING IS TO BE CHECKED AT THE END OF EACH YEAR FOR FOUR YEARS TO ASSURE THAT NO LESS THAN 75% OF THE ORIGINAL PLANTED QUANTITY SURVIVES. IF THE MINIMUM NUMBER HAS NOT BEEN PROVIDED THE AREA MUST BE SUPPLEMENTED WITH ADDITIONAL SEEDLINGS TO REACH THE REQUIRED NUMBER AT TIME OF PLANTING.
- 16. SOURCE OF SEEDLINGS: TBD





NO.		REVISIONS	
DATE	Ξ:	CAD STANDARDS VERSION	
DES	GNED BY:	DRAWN BY:	C
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	for Governme	Woodland Conservation Wor ntal and Linear Projects in Pr		's County	
	SECTION 1-Establishing Site Inform	mation			
	Property Description or Name:	Oxon Run no. 8 SWM Facility F	Retrofit & Stre	am Restoration	
	Project Location;	Intersection of Galloway Drive	and Helmont I	Drive, Prince Ge	orge's County
	TCP2 Number:	TCP2-002-2023		Rev. No:	-00
	NRI Number:	NRI-154-2022		Rev. No:	-00
	Zone:		ROS		
	Gross Tract:		4.72	acres	
	Project Area/Limits:		4.72	acres	
	SECTION 2-Determining Requirem			1	1
*	Existing Woodland in Project Limits =	WCT	2.65	4	56.14
	Woodland Cleared in Project Limits		2.65	1	
	Total area of woodland cleared (subj		2.65	1	
	Off-Site Woodland Conservation Prov		0.00	-	
	Off-Site Woodland Conservation Prov	· · · ·	0.00		
	Woodland Conservation Requiremen	t:	2.65	acres	
	SECTION 3- Meeting the Requirem	ients			
	Woodland Preserved		0.00		.
	Afforestation /Reforestation			Bond amount:	\$ 21,823.5
	Natural Regeneration		0.00	-	
	Landscape Credit	*2.0)	0.00	-	
	Speciment/Historic Tree Credit (CRZ	,	0.00	-	
	Forest Enhancement Credit (Area *.2	•	0.00	-	
	Street Tree Credit (Existing or 10-yea		0.00	-	
**	Prior Credits for Woodland Conserva	•	0.44	-	
**	Current Credits for Woodland Conser		0.54	4	
	Off-site Woodland Conservation Prov	· · · ·	0.00	1	
	Off-site Woodland Conservation Prov	ided On-site (preservation)	0.00	-	A = -
	Area Approved for Fee-in-lieu/PFA			Fee amount:	\$0.0
	Area Approved for Fee-in-lieu/non-PF	A		Fee amount:	\$0.0
	Woodland Conservation Provided		2.65	acres	

Isha McKnight Prepared by Signed *0.37 AC OF EXISTING STREAM NETTED OUT OF TOTAL WOODLAND AREA.

AREA WHERE THIS TCP OVERLAPS WITH THE FCA#13-22 WSSC PROJECT. THIS AREA OF CLEARING HAS ALREADY BEEN ACCOUNTED FOR THROUGH WSSC'S EFFORTS. *AREA PURCHASED FROM AN OFFSITE FOREST BANK AT A 2:1 RATIO. PROVIDED BY "LAND AND CONSERVATION" FROM BOZICK PROPERTY WC BANK.

PLANTING ZONE 3: MESIC FOREST PLANTINGS

I LANTING ZOINE 5. MILSIC I	ORESTTEANTINGS								
		·	32,157	SQUARE FEET					
			0.74 ACRES						
BOTANICAL NAME	COMMON NAME	INDICATOR RATING	MINIMUM SIZE*	CONDITION	QUANTITY	MINIMUM SPACING			
ERNST WARM SEASON GRASS MIX (ERNMX-117)		N/A	20	SEED MIX	15	LBS.			
Avena sativa	COMPANION NURSE CROP	N/A	15	SEED	11	LBS.			
Acer rubrum	RED MAPLE	FAC	6 FT.	# 5 CONT.	7	15 FT. O.C.			
Fagus grandifolia	AMERICAN BEECH	FACU	6 FT.	# 5 CONT.	14	15 FT. O.C.			
Platanus occidentlais	AMERICAN SYCAMORE	FACU	6 FT.	# 5 CONT.	14	15 FT. O.C.			
Nyssa sylvatica	BLACKGUM	FAC	6 FT.	# 5 CONT.	7	15 FT. O.C.			
Pinus taeda	LOBLOLLY PINE	FAC	6 FT.	# 5 CONT.	7	15 FT. O.C.			
Cercis canadensis	REDBUD	FACU	6 FT.	# 5 CONT.	14	15 FT. O.C.			
Amelanchier canadensis	SHADBLOW SERVICEBERRY	FAC	3 FT.	# 3 CONT.	22	12 FT. O.C.			
Asimina triloba	PAWPAW	FACW	3 FT.	# 3 CONT.	22	12 FT. O.C.			
Cornus sericea	REDTWIG DOGWOOD	FACW	3 FT.	# 3 CONT.	22	12 FT. O.C.			
Viburnum dentatum	SOUTHERN ARROWWOOD	FAC	3 FT.	# 3 CONT.	34	12 FT. O.C.			
Lindera benzoin	NORTHERN SPICEBUSH	FACW	3 FT	# 3 CONT	22	12 FT. O.C.			

5-17-2023

Date

PLANTING ZONE 4: RIPARIAN FLOODPLAIN FOREST PLANTINGS

			25,220	SQUARE FEET					
		0.58 ACRES							
BOTANICAL NAME	COMMON NAME	INDICATOR RATING	MINIMUM SIZE*	CONDITION	QUANTITY	MINIMUM SPACING			
ERNST FLOODPLAIN MIX		N/A	20	SEED MIX	12	LBS.			
Avena sativa	COMPANION NURSE CROP	N/A	15	SEED	9	LBS.			
Acer rubrum	RED MAPLE	FAC	6 FT.	# 5 CONT.	11	15 FT. O.C.			
Quercus bicolor	SWAMP WHITE OAK	FACW	6 FT.	# 5 CONT.	11	15 FT. O.C.			
Celtis occidentalis	COMMON HACKBERRY	FACU	6 FT.	# 5 CONT.	6	15 FT. O.C.			
Betula nigra	RIVER BIRCH	FAC	3 FT.	# 3 CONT.	11	15 FT. O.C.			
Salix nigra	BLACK WILLOW	OBL	6 FT.	# 5 CONT.	17	15 FT. O.C.			
Quercus palustris	PIN OAK	FACW	6 FT.	# 5 CONT.	11	15 FT. O.C.			
Amelanchier canadensis	SHADBLOW SERVICEBERRY	FAC	3 FT.	# 3 CONT.	9	12 FT. O.C.			
Cornus amomum	SILKY DOGWOOD	FACW	3 FT.	# 3 CONT.	9	12 FT. O.C.			
Magnolia virginiana	SWEETBAY MAGNOLIA	FACW	3 FT.	# 3 CONT.	18	12 FT. O.C.			
Vaccinium corymbosum	HIGHBUSH BLUEBERRY	FACW	3 FT.	#3 CONT.	18	12 FT. O.C.			
Cephalanthus occidentalis	BUTTONBUSH	OBL	3 FT.	#3 CONT.	18	12 FT. O.C.			

PLANTING ZONE 5: UPLAND FOREST PLANTINGS

	23,201 SQUARE FEET								
0.53 ACRES									
BOTANICAL NAME	COMMON NAME	INDICATOR RATING	MINIMUM SIZE*	CONDITION	QUANTITY	MINIMUM SPACING			
ERNST WARM SEASON GRA	SS MIX (ERNMX-117)	N/A	20	SEED MIX	11	LBS.			
ERNST MARYLAND UPLANI) MIX	N/A	20	SEED MIX	11	LBS.			
Avena sativa	Avena sativa COMPANION NURSE CROP			SEED	8	LBS.			
Quercus coccinea	SCARLET OAK	UNDEFINED	6 FT.	# 5 CONT.	21	15 FT. O.C.			
Quercus rubra	NORTHERN RED OAK	FACW	6 FT.	# 5 CONT.	21	15 FT. O.C.			
Carya tomentosa	MOCKERNUT HICKORY	FACU	6 FT.	# 5 CONT.	10	15 FT. O.C.			
Pinus strobus	EASTERN WHITE PINE	FACU	6 FT.	# 5 CONT.	10	15 FT. O.C.			
Cercis canadensis	REDBUD	FACU	6 FT.	# 5 CONT.	10	15 FT. O.C.			
Cornus florida	FLOWERING DOGWOOD	FAC	6 FT.	# 5 CONT.	10	15 FT. O.C.			
Ilex opaca	AMERICAN HOLLY	FACW	3 FT.	# 3 CONT.	16	12 FT. O.C.			
Viburnum dentatum	SOUTHERN ARROWWOOD	FAC	3 FT.	# 3 CONT.	8	12 FT. O.C.			
Kalmia latifolia	MOUNTAIN LAUREL	FACU	3 FT.	# 3 CONT.	8	12 FT. O.C.			

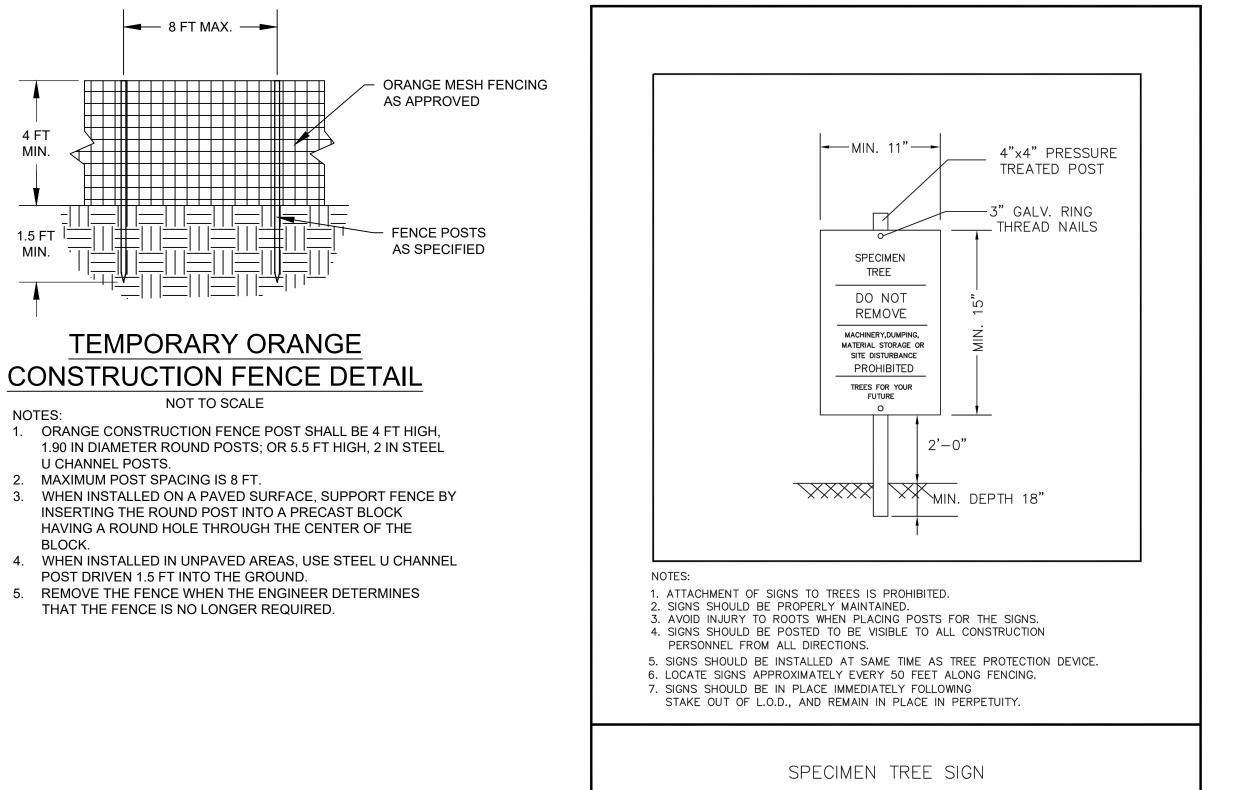
PLANTING ZONE 8: WETLAN	D DEPRESSION PLANTINGS					
			2,825	SQUARE FEET		
			0.06	ACRES		
BOTANICAL NAME	COMMON NAME	INDICATOR	MINIMUM	CONDITION	QUANTITY	MINIMUM
BOTANICAL NAME	COMIMON NAME	RATING	SIZE*	CONDITION	QUANTIT	SPACING
ERNST MARYLAND LOWER	N/A	15	SEED MIX	0.9	LBS.	
Nyssa sylvatica	BLACKGUM	FAC	6 FT.	#5 CONT.	6	12 FT. O.C.
Cornus amomum	SILKY DOGWOOD	FACW	3 FT.	#3 CONT.	15	6 FT. O.C.
Dichanthelium clandestinum	DEERTONGUE	FAC	2"	PLUG	44	3 FT. O.C.
Juncus effusus SOFT RUSH		FACW	2"	PLUG	44	3 FT. O.C.
Lobelia cardinalis CARDINAL FLOWER		FACW	2"	PLUG	15	3 FT. O.C.
Asclepias incarnata	SWAMP MILKWEED	OBL	2"	PLUG	29	3 FT. O.C.

NOTE: SEE LANDSCAPE PLANTING PLAN FOR INDIVIDUAL PLANTING ZONE LOCATIONS.

			SPECIN	IEN TREE	TABLE		
Tree ID	DBH (in)	Common Name	Scientific Name	Tree Rating	Comment	Disposition	SHEET
T1	40.5	White oak	Quercus alba	Fair	Several dead limbs in crown	Save	TCP-05
T2	37	Tulip poplar	Liriodendron tulipifera	Good	None	Save	TCP-05
Т3	42.2	Tulip poplar	Liriodendron tulipifera	Poor	Significant trunk rot	Save	TCP-05
T4	35.4	Sweetgum	Liquidambar styraciflua	Good	None	Save	TCP-05
Т5	31.4	White oak	Quercus alba	Fair	Dead limbs in crown	Save	TCP-04
Т6	30.4	Tulip poplar	Liriodendron tulipifera	Fair	Dead limbs in crown	Save	TCP-04
T7	31.3	Tulip poplar	Liriodendron tulipifera	Good	None	Save	TCP-03
Т8	36.2	Tulip poplar	Liriodendron tulipifera	Fair	Leaning, damaged crown	Save	TCP-03
Т9	35.3	Tulip poplar	Liriodendron tulipifera	Fair	Hollow limb, vines, dead limbs in crown	Save	TCP-03
T10	33.4	Tulip poplar	Liriodendron tulipifera	Good	None	Save	TCP-03
T11	32.9	Northern red oak	Quercus rubra	Good	None	Save	TCP-03
T12	34.7	Black oak	Quercus veltina	Good	None	Save	TCP-04
T13	33.7	Tulip poplar	Liriodendron tulipifera	Good	None	Save	TCP-04
T14	31	Tulip poplar	Liriodendron tulipifera	Fair	Vines	Save	TCP-04

NOTES:

1. Measurements based on a specimen tree size of 30" or greater diameter at breast height (DBH); trees having 75% or more of the diameter at breast height of the current champion of that species; or a particularly impressive or unusual example of a species due to its size, shape, age, or any other trait that epitomizes the character of the species. 2. All trees were located using handheld GPS survey with a location accuracy of less than 1 meter.



			-			
		MISS UTILITY NOTE INFORMATION CONCERNING EXISTING UNDERGROUND UTILITIES WAS OBTAINED FROM AVAILABLE RECORDS. THE CONTRACTOR MUST DETERMINE THE EXACT LOCATION AND ELEVATION OF ALL EXISTING UTILITIES AND UTILITY CROSSINGS BY DIGGING TEST PITS BY HAND, WELL IN ADVANCE OF THE START OF EXCAVATION. CONTACT "MISS UTILITY" AT 1-800-257-7777, 48 HOURS PRIOR TO THE START OF EXCAVATION. IF CLEARANCES ARE LESS THAN SHOWN ON THIS PLAN OR TWELVE (12) INCHES, WHICHEVER IS LESS, CONTACT THE ENGINEER AND THE UTILITY COMPANY BEFORE PROCESSING WITH		MAP_096	GRID <u>C2</u>	THIS PLAN WAS PREPRARED BY: ISHA MCKNIGHT MARYLAND DEPARTMENT OF NATURAL RESOURCES QUALIFIED PROFESSIONAL STATUS (2021)
				TAX MAP	ZONING CATEGORY	
				96-C2	R-O-S	
				WSSC 200' SHEET		Isha McKnight 5-17-2023 ISHA MCKNIGHT DATE
DV	DATE			207SE02	(443) 539-2550 STRAUGHAN ENVIRONMENTAL	
BY	DATE			SITE DATUM		
ECKED BY:		CONSTRUCTION. CLEARANCES LESS THAN NOTED MAY REQUIRE REVISION TO THIS PLAN.		HORIZONTAL: <u>NAD83</u> VERTICAL: <u>NAVD88</u>		10245 OLD COLUMBIA ROAD, COLUMBIA MD 21046 IMCKNIGHT@STRAUGHANENVIRONMENTAL.COM

Owner's Awareness Certificate I/We DOE Clean Water Partnership, 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 James Lyons 5/25/2023 Owner/Owner's Representative Date Prince George's County Planning Department, M-NCPPC **Environmental Planning Section TYPE 2 TREE CONSERVATION PLAN APPROVAL** TCP2-002-2023 DRD # Date Reason for Revision Inder N/A 6/2/2023 2 3 4 **100% DESIGN** TYPE 2 TREE CONSERVATION PLAN SCALE N/A NOTES & DETAILS SHEET 7 DOE CLEAN WATER PARTNERSHIP OF 7 BIRCHWOOD CITY COMMUNITY REC CENTER TCP-07 OXON RUN NO. 8 SWM FACILITY RETROFIT AND PROJECT NO. TRIBUTARY TO OXON CREEK STREAM RESTORATION 7028-004 ELECTION DISTRICT NO. 12, PRINCE GEORGE'S CO. MD