Color Coding Legend
Existing Trees 2 - < 8" Caliper
Existing Trees 8 - < 19" Caliper
Existing Trees 19 - < 24" Caliper
Existing Trees 24"+ Caliper
Existing Trees 30"+ Caliper

Size Category	TREE TAG	TREE TYPE	SINGLE TRUNK		N	ULTI-TRUN	4K		TOTAL CALIPER (INCHES)	REPLACEMENT FACTOR	REPLACEMENT INCHES REQUIRED	REASON FOR REMOVAL/MITIGATION	REPLACEMENT VALUE	MITIGATION VALUE	Siz
2 - < 8*.		Cedar	3.50	2.5					4.75	0%	-	To Remain		\$-	
2-<8*	2433	Cedar	5.50	3.5					7.25	0%	-	To Remain	\$.	\$ -	
2	2434	Cedar	4.00						4.00	0%	-	To Remain	\$-	ş -	
2-<8*	2435	Cedar	3.00	3.0					4.50	0%	-	To Remain	\$-	\$ -	100
2-<8"		Cedar	6.00						6.00	0%	-	To Remain	\$-	\$ -	
2-<8*	2437	Cedar	4.00						4.00	0%	-	To Remain	\$-	\$-	
2 - < 8"	2438	Cedar	5.00						5.00	0%	-	To Remain	\$-	ş -	
2-<8"	2439	Cedar	3.00						3.00	0%	-	To Remain	\$-	ş -	
2-<8*	2440	Cedar	3.00						3.00	0%	-	To Remain	\$-	\$-	
2 . < 8"	2441	Cedar	5.00						5.00	0%		To Remain	s -	ş -	
8-<19"	2442	Cedar	5.00	4.0	3.0				8.50	0%	-	To Remain	s -	s -	
2-<8*	2443	Cedar	5.00	5.0					7.50	0%	-	To Remain	s -	s -	
2.1<8*	2444	Ash	7.00						7.00	0%		To Remain	\$ -	s -	
8-<19'	2445	Cedar	6.50	4.5	4.0				10.75	0%	-	To Remain	\$ .	s .	
2 . < 8*	2446	Sycamore	5.50						5.50	0%		To Remain	s -	s -	_
2.~8"	2447	Cedar	5.00	3.0	2.5	<u> </u>			7.75	0%		To Remain	\$ .	\$	
2-<8"		Cedar	4.00	5.0	2.3		1	1	4.00	0%	-	To Remain	ş : S :	s .	
2-48*		Cedar	3.00		-				3.00	0%			s -	s -	
													s -	Ŷ	
2 - < 8"	2450 2451	Cedar	4.50						4.50	0%		To Remain	s -	\$ - \$ -	
		Cedar										To Remain		*	
2-<8"	2452	Cedar	3.50						3.50	0%	-	To Remain	\$ -	ş -	
2-<8*	2453	Cedar	5.50						5.50	0%	-	To Remain	\$ -	ş -	
2 - < 8*	2454	Cedar	4.00	4.0					6.00	0%	-	To Remain	\$-	ş -	
2 - < 8"	2455	Cedar	2.50						2.50	0%		To Remain	\$ -	\$-	10
2-<8"	2456	Cedar	6.00						6.00	0%	-	To Remain	\$-	\$-	
2 - × 8*		Cedar	3.00						3.00	0%	-	To Remain	\$-	\$ -	1. C
2 - < 8"		Cedar	2.00						2.00	0%	-	To Remain	\$-	\$-	
2-<8"	2459	Cedar	2.50						2.50	0%	-	To Remain	\$-	ş -	
2-<8*	2460	Cedar	2.00						2.00	0%	-	To Remain	\$-	ş -	
2 . < 8*	2461	Cedar	3.00						3.00	0%	-	To Remain	\$-	ş -	
2-<8"	2462	Cedar	3.00						3.00	0%	-	To Remain/Dead	\$-	ş -	
19 < 24*	2463	Live Oak	20.00						20.00	0%	-	To Remain	\$ -	ş -	
2-<8"	2464	Cedar	2.00						2.00	0%	-	To Remain/Dead	s -	s -	
2-<8"	2465	Cedar	2.50	2.0					3.50	0%	-	To Remain	s -	s -	
2-<8"	2469	Cedar	4.00						4.00	0%		To Remain	\$ .	\$ .	
2.<8"		Cedar	3.00						3.00	0%	-	To Remain	\$ .	s .	
2-58"		Cedar	5.50						5.50	0%	-	To Remain	s -	s -	-
2.<8"	2493	Cedar	3.00			<u> </u>			3.00	0%	-		\$ -	s -	
8-<19*	2494	Cedar	3.50	3.0	3.0	3.0	3.0		9.50	0%		To Remain	\$ .	s -	
8-<19	2494	Cedar	8.00	5.0	3.0	3.0	5.0		9.30	0%		To Remain	s -	s -	-
	2495		6.00	5.0	4.5	4.0			12.75	0%	-		s -	s -	
8 - < 19*		Cedar		5.0		4.0						To Remain	s -	s .	
2-<8"	2497	Cedar	3.00	3.0	3.0				6.00	0%		To Remain	*	<i>v</i>	
8 - < 19*	2498	Cedar	8.50				l	<u> </u>	8.50	0%		To Remain	\$ -	\$ -	
2 - < 8*	2499	Cedar	5.50						5.50	50%	2.75	Construction Access	\$ 200.00	\$ 550.00	
2 - < 8"		Cedar	5.00						5.00	50%	2.50	Construction Access	\$ 200.00	\$ 500.00	
8-<19*	2501	Cedar	9.50				L	-	9.50	50%	4.75	Construction Access	\$ 200.00	\$ 950.00	
8 - < 19*	2502	Cedar	8.50						8.50	50%	4.25	Construction Access	\$ 200.00	\$ 850.00	10
5-<8"	2503	Cedar Elm	3.00						3.00	0%	-	Construction Access	\$-	\$-	
2 - < 8"	2504	Cedar	3.00	3.0					4.50	50%	2.25	Construction Access	\$ 200.00	\$ 450.00	E
Z-<8"		Cedar	3.50						3.50	0%	-	To Remain	\$-	\$ -	
2-<8"	2511	Cedar	7.50						7.50	50%	3.75	Construction Access	\$ 200.00	\$ 750.00	
2 - < 8*	2512	Cedar	2.50				1	1	2.50	0%	-	Construction Access/Dead	\$ -	\$ -	
2-<8"	2513	Cedar	2.50						2.50	0%		Construction Access	s -	s -	
2-<8"		Cedar	2.00	1.5			1	1	2.75	0%		To Remain	s -	s -	
2 - < 8"	2515	Cedar	2.00						2.00	0%	-	To Remain	s -	s -	
2-<8*	2516	Cedar	2.50					-	2.50	0%		To Remain	\$ .	s -	
24"+		Live Oak	25.00						25.00	0%			s -	s -	
	10211	Life Oak	25.00						25.00	070		i o nemam	Y	· ·	

Size Category	TREE TAG	TREE TYPE	SINGLE TRUNK		м	JLTI-TRUNK			TOTA CALIPE (INCHE
8 - ≪ 19*	2733	Willow	10.50						10
24*+	2734	Willow	25.00						25
8-<19"	2735	Cedar	6.50	5.0	3.5				10
2.<8"	2736	Cedar	6.50						6
8 - < 19"	2737	Grapevine	3.00	3.0	3.0	2.0	2.0	2.0	9
8 - < 19"	2738	Spanish Oak	11.00						11
2-58	2739	Cedar	3.50						
2-48"	2774	Cedar	4.00						
2 + < 8"	2775	Hackberry	7.00						
2-<8"	2776	Gum Bumelia	2.00						
19 - < 24*	2777	Cedar Elm	21.00						2
2.48	2778	Cedar	6.00						
30*+	2779	Spanish Oak	14.00	13.0	12.5	11.5	9.5		3
2-<8*	2780	Poison Oak Vine	3.00						
2 - < 8"	2781	Soapberry	4.00						
2-×#*	2782	Grapevine	5.50						
30*+	2813	Live Oak	31.00						3
2.<8"	2814	Cedar	2.50						
2-18	2815	Yaupon Holly	2.00						
21<8"	2816	Yaupon Holly	2.00						
2 - < 8"	2817	Cedar	3.50						
2-<8"	2818	Cedar	2.00						
8 -< 19*	2819	Cedar	8.50						
2-<8	2820	Cedar	3.00						
2.<8"	2821	Cedar	2.00						
2.<8"	2822	Cedar	5.50						
2-<8"	2823	Yaupon Holly	2.00	2.0	1.5	1.5			
2 - < 8"	2824	Cedar	2.00	1.5					
19 - < 24"	2825 2827	Live Oak Rusty Blackhaw	21.00						2
2-48"	2828	Hoptree	4.75						-
2-48	2829	Cedar	4.73						-
2-48	2830	Spanish Oak	4.00						_
2.48	2830	Cedar	6.50						
8-<19"	2832	Cedar	10.00		-				1
2-18"	2834	Spanish Oak	3.00		-	-			
2148	2835	Walnut	7.50						-
2-58	2836	Cedar	4.00				- 1		
30"+	2837	Spanish Oak	17.00	15.5	13.0				3
2. < 8"	2838	Yaupon Holly	3.00	2.0	2.0	1.5	1.5		
2-<8"	2839	Cedar	2.50						
2-<8"	2840	Cedar	2.50						
2:<8"	2841	Cedar	3.00						
2-<*	2843	Cedar	2.00						
2.48	2844	Cedar	3.00						
8 - < 19*	2845	Spanish Oak	10.25						1
2-<8"	2846	Cedar	4.00						
2-<8"	2847	Possumhaw	2.00						
19 - < 24*	2848	Walnut	19.50						1
8 - < 19*	2853	Spanish Oak	13.50			T			1
2 - < 8"	2854	Cedar	5.00	3.5					
2-18	2855	Spanish Oak	7.50						

Size Category	TREE TAG	TREE TYPE	SINGLE TRUNK		N	NULTI-TRU	1K		TOTAL CALIPER (INCHES)	REPLACEMENT FACTOR	REPLACEMENT INCHES REQUIRED	REASON FOR REMOVAL/MITIGATION	REPLACEMENT VALUE	MITIGATION VALUE	Size Categor	TREE	
2-<8*	2518	Cedar	2.00						2.00	0%		To Remain	\$-	\$-	8 - < 19"	2856	Spanis
2 - < 8"	2519	Cedar	3.00	2.0					4.00	0%		To Remain	\$ -	\$-	2 - < 8*	2857	Cedar
2-<8"	2520	Cedar	2.00						2.00	0%		To Remain	\$ -	\$-	B-< 19*	2858	Live O
2-<8*	2521	Cedar	3.00						3.00	0%		To Remain	\$-	\$ -	2-+8"	2860	Yaupo
2 - < 8"	2522	Cedar	3.50						3.50	0%	-	To Remain	\$-	ş -	2 - < 8"	2861	Cedar
2-<8"	2523	Cedar	7.00						7.00	0%		To Remain	\$ -	ş -	2 - < 8"	2862	Spanis
2-+8"	2524	Cedar	6.00						6.00	0%		To Remain	\$ -	\$ -	2 - < 8"	2863	Spanis
2.<<8*	2525	Cedar	2.50						2.50	0%		To Remain	s -	s -	19 - < 24"	2866	Spanis
2-<8*	2526	Cedar	2.50						2.50	0%			\$ -	\$ -	2.48	2867	
2-48"	2527	Cedar	3.00						3.00	0%			s -	\$ -	2-48"	2868	
2 - < 8"	2528	Cedar	2.00						2.00	0%			s -	s -	2-<8"	2869	
2-<8"	2529	Cedar	3.50						3.50	0%			\$ -	\$ -	2.<8"		Cedar
2.48*	2530	Cedar	3.00						3.00	0%			\$ ·	¢ .	2.<8"		Cedar
2-<8"	2531	Cedar	2.50						2.50	0%			s -	s -	2-<8"		Cedar
2-48"	2532	Cedar	5.50						5.50	0%			\$ -	\$ - \$ .	2-48		Cedar
2.<8"	2532	Cedar	5.00						5.00	0%			s -	ş : S :	2-48		Cedar
2-48	2555	Cedar	4.00						4.00	0%				s :	2 - < 8"		Cedar
			2.50											s -	2.48		Cedar
2-<8*	2536	Cedar		<u> </u>	<u> </u>				2.50	0%							
2 - < 8*	2537	Cedar	3.00						3.00	0%			\$ -	\$ -	8 - < 19*	2877	
2-<8*	2538	Cedar	4.00						4.00	0%			\$ -	\$ -	2-<8"	2878	
2-<8"	2539	Cedar	2.00						2.00	0%			\$ -	\$ -	8 - < 19*	2879	
2 < 8"	2540	Cedar	6.00						6.00	0%	-		\$ -	\$ -	2 - < 8"	2880	
2-<8*	2541	Cedar	4.00						4.00	0%			\$ -	\$-	B-< 19*		Spanis
2-<8"	2542	Cedar	3.00	2.0					4.00	0%	-	To Remain	\$-	\$-	2-48	2882	
2	2543	Cedar	3.00	2.5					4.25	0%	-	To Remain	\$-	\$-	2 - < 8"	2883	Cedar
2-<8+	2544	Cedar	3.50						3.50	0%		To Remain	\$-	\$-	2 - < 8	2884	Spanis
2-<8"	2545	Cedar	3.00	2.5					4.25	0%		To Remain	\$-	\$-	8 - < 19*	2885	Cedar
2-<8"	2546	Cedar	3.50						3.50	0%		To Remain	\$-	ş -	2-<8"	2886	Rusty
2-<8"	2547	Cedar	3.00						3.00	0%		To Remain	\$ -	s -	2-×#	2889	Yaupo
2 < 8"	2548	Cedar	4.00	4.0					6.00	0%		To Remain	\$ -	s -	2 - < 8"	2890	
2 - < 8"	2549	Cedar	5.00						5.00	0%			\$ -	\$ -	2-<8"		Cedar
2-<8"	2550	Cedar	6.50						6.50	0%			\$ -	\$ -	2-48	2892	
2.<8*	2551	Cedar	7.00						7.00	0%		To Remain	s -	¢ .	2 - < 8"	2893	
8-< 19*	2552	Cedar	6.00	4.5	4.0				10.25	0%			\$ \$	\$	2-<8"	2894	
2-<8*	2553	Cedar	5.50	4.5	4.0				7.75	0%			\$ -	۰ ۲	2-48		Cedar
2 - < 8"	2554	Cedar	5.00	4.5				-	5.00	0%			s -	\$ .	8 - < 19"		Spanis
8-<19'	2556	Cedar	8.00						8.00	0%			s -	\$ .	8-<19*	2897	
5-4.8"	2555		5.00	4.0					7.00	0%				\$ ·	8-<19" 8-<19"	2897	
		Cedar		4.0	<u> </u>						-			¥			
2 - < 8"	2558	Cedar	5.00						5.00	0%	-		\$ -	\$ -	2-<8"	2899	
2-<8*	2559	Cedar	3.50						3.50	0%			\$ -	\$ -	2 - < 8"		Cedar
2 - < 8*	2560	Cedar	3.00						3.00	0%			\$ -	\$ -	2 - < 8*	2901	
2-<8"	2561	Cedar	4.00						4.00	0%			\$ -	\$-	2-58"	2902	
2-<8*	2562	Cedar	4.00						4.00	0%			\$-	\$-	2-<8"	2903	
8 - < 19*	2566	Hackberry	8.00						8.00	0%		To Remain	\$-	\$-	8 - < 19*	2905	
2-<8"	2567	Cedar	6.50						6.50	0%			\$-	\$-	2 - < 8"		Spanis
2-<8*	2568	Cedar	6.00						6.00	0%			\$ -	\$-	8 - < 19"	2907	
2 - < 8*	2570	Mountain Laurel	3.00	3.0	2.5				5.75	0%		To Remain	\$-	\$-	8 - < 19*	2908	
2-<8*	2571	Cedar	3.00						3.00	0%		To Remain	\$ -	\$-	B-< 19"	3023	Cedar
2-<8"	2572	Cedar	4.00		1				4.00	0%	-	To Remain	\$ -	\$ -	8-*19*	3024	Spanis
2 - < 8"	2573	Cedar	2.00						2.00	0%		To Remain/Dead	\$ -	\$ -	2-<8"	3025	Cedar
2-<8*	2574	Cedar	6.00						6.00	0%			\$ -	\$ -	8 - < 19"	3026	
7-<8"	2575	Cedar	3.50	1	1		1	1	3.50	0%			\$ -	s -	2-18	3027	
2 - < 8"	2576	Cedar	6.00						6.00	0%			s -	s -	2 - < 8"		Spanis
2.48*	2577	Hackberry	6.00		<u> </u>				6.00	0%			s -	\$ .	2.48"	3028	
8 - < 19*	2578	Hackberry	9.50		<u> </u>	<u> </u>			9.50	0%			s -	ş :	2.48	3029	Cedar
			9.50	3.0					9.50	0%			*	*			
2 - < 8"	2579	Cedar			-		0							\$ -	2 - < 8"		Yaupo
8. < 19*	2580	Cedar	3.00	3.0	3.0	3.0	2.5	1	8.75	0%		To Remain	\$-	ş -	2-<8"	3032	Spanis

Size Category	TREE TAG	TREE TYPE	SINGLE TRUNK		N	IULTI-TRUN	٩K	TOTAL CALIPER (INCHES)
8-<19"	2856	Spanish Oak	11.00					11.00
2 . < 8"	2857	Cedar	3.00					3.00
B-< 19*	2858	Live Oak	13.00					13.00
2. < 8"	2860	Yaupon Holly	2.00	1.5	1.5	1.0		4.00
2 - < 8"	2861	Cedar	2.50	2.5	2.0			4.75
2-<8"	2862	Spanish Oak	7.00					7.00
2-48"	2863	Spanish Oak	5.00					5.00
19 . < 24"	2866	Spanish Oak	10.00	9.5	9.0	6.5		22.50
2-<8"	2867	Cedar	2.50					2.50
2 - < 8"	2868	Cedar	2.50					2.50
2 - < 8"	2869	Cedar	3.50					3.50
2 - < 8"	2870	Cedar	3.00					3.00
2.<8"	2871	Cedar	3.00					3.00
2-<8"	2872	Cedar Elm	2.50					2.50
2-<*	2873	Cedar Elm	3.00					3.00
2 - < 8"	2874	Cedar	3.00					3.00
2.<8"	2875	Cedar	6.00					6.00
2-<8"	2876	Cedar	3.50	3.0				5.00
8-<19*	2877	Cedar	11.50					11.50
2-<8"	2878	Cedar	6.50					6.50
8 - < 19*	2879	Chinaberry	8.50					8.50
2 . < 8"	2880	Cedar	3.00					3.00
B-<19*	2881	Spanish Oak	12.00					12.00
2-48	2882	Cedar	2.50					2.50
2.<8"	2883	Cedar	3.50					3.50
2-<.8"	2884	Spanish Oak	3.75					3.75
8 - < 19*	2885	Cedar	9.50					9.50
2-<8"	2886	Rusty Blackhaw	2.50					2.50
2-14	2889	Yaupon Holly	2.50					2.50
2 - < 8"	2890	Cedar	4.50					4.50
2-<8"	2891	Cedar	3.00					3.00
2-<8"	2892	Cedar Elm	7.50					7.50
2 - < 8"	2893	Spanish Oak	7.00					7.00
2-<8	2894	Spanish Oak	5.50					5.50
2-<8"	2895	Cedar Elm	4.50	2.5				5.75
8 - < 19*	2896	Spanish Oak	9.50					9.50
8-<197	2897	Spanish Oak	6.00	5.5				8.75
8-<19"	2898	Spanish Oak	8.00					8.00
2	2899	Spanish Oak	3.50					3.50
2-18"	2900	Cedar Elm	4.00					4.00
2-<8	2901	Spanish Oak	5.00					5.00
2-58"	2902	Cedar	3.50					3.50
2-<8"	2903	Spanish Oak	5.00					5.00
8 - < 19*	2905	Cedar	4.50	4.0	3.0			8.00
2 - < 8"	2906	Spanish Oak	4.00					4.00
8 - < 19"	2907	Cedar	12.50					12.50
8 - < 19*	2908	Spanish Oak	9.50					9.50
8-<19*	3023	Cedar	6.50	5.0				9.00
8-* 19^	3024	Spanish Oak	9.00					9.00
2-<8"	3025	Cedar	2.50					2.50
8-<19"	3026	Spanish Oak	9.00					9.00
2-18	3027	Yaupon Holly	2.50					2.50
2 < 8"	3028	Spanish Oak	5.00	5.0				7.50
2.< 8"	3029	Spanish Oak	3.00					3.00
2-18"	3030	Cedar	7.00					7.00
21<8"	3031	Yaupon Holly	3.00	2.0				4.00
2-<8"	3032	Spanish Oak	7.50					7.50

MCGRAY CONDUCTED THE SURVEY IN DECEMBER 2018.

S0%           0%	REPLACEMENT INCHES REQUIRED 5.25 - 5.38 - -	REMOVAL/MITIGATION Construction Access Construction Access/50% Canopy Loss Construction Access	REPLACEMENT VALUE \$ 200.00	MITIGATION VALUE \$ 1,050.00				ĝ		305 E. Humiand Urive Suite 200 Austin: Texas 78752	512.453.1	023-7;
0% 50% 0% 0% 0% 50% 50%	-	Construction Access/50% Canopy Loss							# <u>;</u>	. N .	5 5	
0% 0% 0% 50% 50%	-		\$ -	\$ -						ulte Vusti		WW#:
0% 0% 50% 50%		To Remain/Dead Removal/Vine	\$ 200.00 \$ - \$ -	\$ 1,075.00 \$ - \$ -				Design <b>Grou</b>		n vn ≪	. <b>.</b>	2
50%		To Remain To Remain	\$ - \$ -	\$ - \$ -				ž		_		
	2.00	Construction Access Construction Access	\$ 200.00 \$ 200.00	\$ 400.00 \$ 700.00				iq	3			
0% 100%	21.00	Construction Access Construction Access/ 20% Canopy Loss	\$ 200.00	\$ 4,200.00			179	es				
0%	-	Construction Access/Dead Dam Construction/Lost	\$ -	\$			N	$\Box$	┛			
0%	-	One of the Larger Trunks & 40% Canopy Loss Removal/Vine	\$ - \$ -	\$ - \$ -								
50% 0%	2.00	Dam Construction Removal/Vine	\$ 200.00 \$ -	\$ 400.00								
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50%	2.00	Construction Access	\$ 200.00	\$ 400.00		ß	Ж	>		$\Box$	l	<u> </u>
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100% 0%	22.50	Construction Access Construction Access	\$ 200.00 \$ -	\$ 4,500.00		HE	-		ונ	~		С
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50%	3.75	Dam Construction	\$ 200.00	\$ 400.00								ç
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	REMAIN APPRO	SPONSIBILTY FOR THE IS WITH THE ENGINER VING THESE PLANS, TH HE ADEQUACY OF TH	R WHO PREPARED HE CITY OF AUSTIN	SE PLANS THEM. IN MUST RELY	TAL	NO. REVISION					VERIFY SCALE	0 1 dra
	REMAIN APPRO	NS WITH THE ENGINEE VING THESE PLANS, TI THE ADEQUACY OF TH	R WHO PREPARED HE CITY OF AUSTIN	SE PLANS THEM. IN MUST RELY	TAL		ET		35	5	VERIFY SCALE	
	0% 0% 0% 0% 0% 0% 0% 0% 0% 0% 0% 0% 0% 0	の所、	0%         -         Construction Access Construction Access 0%         -         Construction Access 0%         -         Dom Construction Access 0% </td <td>0%        </td> <td>0%         -         Construction Access         5         -           0%         -         Construction Access         5         -         5           0%         -         Construction Access         5         -         5           0%         -         Construction Access         5         200.00         5         550.00           0%         -         Construction Access         5         200.00         5         500.00           0%         -         Construction Access         5         200.00         5         500.00           0%         -         Construction Access         5         200.00         5         402.00           0%         -         Construction Access         5         200.00         5         650.00           0%         -         Construction Access         5         200.00         5         750.00           0%         -         Construction Access         5         200.00         5         750.00           0%         -         Construction Access         5         200.00         5         750.00           0%         -         Dem Construction Access         5         200.00         5</td> <td>ON:          Contruction Access         S            0%          Contruction Access         S          S           0%          Contruction Access         S          S           0%          Contruction Access         S         2         S           0%          Contruction Access         S         2         S           0%          Contruction Access         S         2         S         S           0%          Contruction Access         S         2         S</td> <td>0%          Contraction Access         S          S            0%          Contraction Access         S         20.00         S         S0.00           0%          Contraction Access         S         20.00         S         S0.00           0%          Contraction Access         S         20.00         S         40.00           0%          Contraction Access         S         20.00         S         10.00           0%          Contraction Access</td> <td>0%        </td> <td>0%        </td> <td></td> <td></td> <td></td>	0%	0%         -         Construction Access         5         -           0%         -         Construction Access         5         -         5           0%         -         Construction Access         5         -         5           0%         -         Construction Access         5         200.00         5         550.00           0%         -         Construction Access         5         200.00         5         500.00           0%         -         Construction Access         5         200.00         5         500.00           0%         -         Construction Access         5         200.00         5         402.00           0%         -         Construction Access         5         200.00         5         650.00           0%         -         Construction Access         5         200.00         5         750.00           0%         -         Construction Access         5         200.00         5         750.00           0%         -         Construction Access         5         200.00         5         750.00           0%         -         Dem Construction Access         5         200.00         5	ON:          Contruction Access         S            0%          Contruction Access         S          S           0%          Contruction Access         S          S           0%          Contruction Access         S         2         S           0%          Contruction Access         S         2         S           0%          Contruction Access         S         2         S         S           0%          Contruction Access         S         2         S	0%          Contraction Access         S          S            0%          Contraction Access         S         20.00         S         S0.00           0%          Contraction Access         S         20.00         S         S0.00           0%          Contraction Access         S         20.00         S         40.00           0%          Contraction Access         S         20.00         S         10.00           0%          Contraction Access	0%	0%			

COA CASE NO. SP-2022-0558D FILED ON NOVEMBER 23, 2022

Color Coding Legend
Existing Trees 2 - < 8" Caliper
Existing Trees 8 - < 19" Caliper
Existing Trees 19 - < 24" Caliper
Existing Trees 24"+ Caliper
Existing Trees 30"+ Caliper

	TREE	SINGLE						TOTAL	REPLACEMENT	REPLACEMENT	REASON FOR	REPLACEMENT				TREE		SINGLE	
Size Category	TAG TREE TYPE	TRUNK			MULTI-TRUN	IK		CALIPER	FACTOR	INCHES REQUIRED	REMOVAL/MITIGATION	VALUE	MITIGATION VALUE		Size Category	TAG	TREE TYPE	TRUNK	1
								(INCHES)											1
8 - < 19*	3033 Spanish Oak	9.00	4.5					11.25	50%	5.63	Dam Construction	\$ 200.00	\$ 1,125.00		2-<8"		Cedar Elm	2.00	
2 - < 8+	3034 Cedar	6.00	2.5					7.25	50%	3.63	Dam Construction	\$ 200.00	\$ 725.00		2 - < 8"	3469	Cedar Elm	2.50	2.0
2-<8"	3035 Cedar	3.00						3.00	0%	-	Dam Construction	\$-	ş -		2-<8"	3470	Cedar Elm	2.50	$ \longrightarrow $
2-<8*	3036 Cedar Elm	4.00						4.00	50%	2.00	Dam Construction	\$ 200.00	\$ 400.00		2 - < 8"	3471	Hackberry	2.00	
8-< 19*	3037 Cedar	5.00	4.0					8.75	50%	4.38	Dam Construction	\$ 200.00	\$ 875.00		2.<8	3472	Cedar Elm	3.00	
2-<8*	3038 Spanish Oak	5.50	4.0					7.50	50%	3.75	Dam Construction	\$ 200.00	\$ 750.00		2-<8"		Cedar Elm	2.50	1
8 - < 19*	3039 Live Oak	15.50						15.50	50%	7.75	Dam Construction	\$ 200.00	\$ 1,550.00		2 - < 8"	3474	Hackberry	2.00	1
2-<8"	3040 Cedar	3.50	2.5					4.75	50%	2.38	Dam Construction	\$ 200.00	\$ 475.00		2-<8	3475	Hackberry	2.50	1
2 - < 8*	3041 Cedar	3.50						3.50	0%	-	Dam Construction	\$-	ş -		2-18"	3476	Cedar Elm	2.00	
2. < 8"	3042 Cedar	5.00						5.00	50%	2.50	Dam Construction	\$ 200.00	\$ 500.00		2 . < 8"	3477	Waxleaf Ligustrum	2.00	1
2-<8"	3043 Cedar	5.50						5.50	50%	2.75	Dam Construction	\$ 200.00	\$ 550.00		2-<8	3478	Waxleaf Ligustrum	2.50	2.0
8-<19*	3044 Cedar	8.00	5.5	5.0				13.25	50%	6.63	Dam Construction	\$ 200.00	\$ 1,325.00		2-<8"	3479	Soapberry	2.00	
2 < 8*	3045 Cedar	3.00	2.5	2.5				5.50	50%	2.75	Dam Construction	\$ 200.00	\$ 550.00		2 < 8"	3480	Soapberry	2.00	
2-<8*	3046 Cedar	4.00						4.00	50%	2.00	Dam Construction	\$ 200.00	\$ 400.00		2.48	3481	Hackberry	2.50	
2.<8"	3047 Cedar	4.50						4.50	50%	2.25	Dam Construction	\$ 200.00	\$ 450.00		2.<8"	3482	Cedar	2.00	
2-<8"	3048 Cedar	5.00						5.00	50%	2.50	Dam Construction	\$ 200.00	\$ 500.00	1	2 . < 8"	3483	Cedar	2.00	
2-<8"	3049 Cedar	3.00						3.00	0%	-	Dam Construction/Dead	\$ -	ş -	1	2-<8"	3484	Cedar Elm	2.50	
2-<8*	3050 Cedar Elm	5.50						5.50	50%	2.75	Dam Construction	\$ 200.00	\$ 550.00	1	2-48"	3485	Yaupon Holly	2.00	1.5
2 - < 8*	3051 Cedar Elm	2.50						2.50	0%	-	Dam Construction	\$-	\$ -	1	2 - < 8"	3486	Cedar	2.50	2.0
2-<8"	3052 Cedar	5.00	4.0					7.00	50%	3.50	Dam Construction	\$ 200.00	\$ 700.00	1	2-<8"	3487	Cedar Elm	2.50	
8 - < 19*	3053 Tree of Heaven	9.00						9.00	0%	-	Removal/Invasive	s .	s -	1	2.<8"	3488	Texas Persimmon	2.00	1.0
2-<8"	3054 Cedar	4.50	3.5	3.0				7.75	50%	3.88	Dam Construction	\$ 200.00	\$ 775.00	1	2-<8"	3489	Cedar Elm	2.00	
B - < 19*	3055 Cedar	6.00	4.0					8.00	50%	4.00	Dam Construction	\$ 200.00	\$ 800.00	1	2-<8"	3490	Live Oak	2.00	
2-<8"	3056 Chinaberry	7.00			-			7.00	0%		Removal/Invasive	\$ -	\$ .		8 - < 19*	3491	Hackberry	16.50	<u> </u>
2-<8"	3057 Chinaberry	6.00						6.00	0%	-	Removal/Invasive	s -	s -		2-<8"	3492	Cedar	2.00	
2-×8*	3058 Cedar Elm	3.50						3.50	0%		Dam Construction	s -	s -		2-15	3493	Cedar	2.00	
B < < 19*	3149 Hackberry	11.00			-			11.00	50%	5.50	Dam Construction	\$ 200.00	\$ 1,100.00		2 + < 8"	3494	Cedar	2.00	<u> </u>
19-<24	3150 Live Oak	8.50	8.0	8.0	5.0			19.00	100%	19.00	Dam Construction	\$ 200.00	\$ 3.800.00	1	2-<8"	3495	Cedar	2.00	( I
2-<8*	3151 Yaupon Holly	2.50	2.0					5.25	50%	2.63	Dam Construction	\$ 200.00	\$ 525.00		2.58	3496	Cedar	2.00	
8 - < 19*	3152 Cedar	4.50	4.0					9.75	50%	4.88	Dam Construction	\$ 200.00	\$ 975.00		2. < 8"	3497	Yaupon Holly	1.50	1.5
2-<8"	3153 Hackberry	6.50	1.0	0.0	0.0			6.50	50%	3.25	Dam Construction	\$ 200.00	\$ 650.00		2-<8"	3498	Cedar	2.50	1.5
2-<8"	3154 Sumac	5.00						5.00	50%	2.50	Dam Construction	\$ 200.00	\$ 500.00		2 . < 8"	3499		2.00	2.0
2.<8"	3155 Cedar Elm	4.50			-			4.50	50%	2.25	Dam Construction	\$ 200.00	\$ 450.00		2.<8"		Cedar	3.50	-
8-<19*	3156 Cedar	7.00	5.5	3.5				11.50	50%	5.75	Dam Construction	\$ 200.00	\$ 1,150.00		2-18	3501	Cedar	2.50	H 1
2-<8*	3157 Cedar Elm	6.00	3.3	3.3	-			6.00	50%	3.00	Dam Construction	\$ 200.00	\$ 600.00		2.48"	3502	Sumac	2.00	2.0
2-<8*	3158 Cedar Elm	7.00						7.00	50%	3.50	Dam Construction	\$ 200.00	\$ 700.00		2-<8	3503	Hackberry	2.00	2.0
2-58"	3159 Cedar Cim	4.50						4.50	50%	2.25	Dam Construction	\$ 200.00	\$ 450.00		2-48	3504		2.50	<u>     </u>
2.<8"	3160 Cedar Elm	6.00						6.00	50%	3.00	Dam Construction	\$ 200.00	\$ 600.00		2.48	3505	Hackberry	3.50	H 1
8-< 19*	3161 Cottonwood	13.00						13.00	0%	5.00	Dam Construction/Dead	\$ 200.00	¢ 000.00		2-<8	3506	Cedar	2.50	H 1
8.<19*	3163 Cedar	8.00	5.0	3.0				12.00	50%	6.00	Dam Construction	\$ 200.00	\$ 1,200.00		2-48"		Cedar	2.50	t +
2	3164 Cedar	3.50	3.0	3.0				3.50	0%	0.00	Dam Construction	\$ 200.00	5 1,200.00		2.<8"	3508		2.00	1 1
2.<8"	3165 Cedar	3.00	3.0		+			4.50	50%	2.25	Dam Construction	\$ 200.00	\$ 450.00		2-58	3508	Soapberry	2.00	H 1
2-<8*	3165 Cedar 3166 Cedar	6.50	3.0		+			4.50	50%	3.25	Dam Construction	\$ 200.00 \$ 200.00	\$ 450.00		2-48"	3510	Cedar Elm	2.00	+ +
B+<19*	3167 Sycamore	13.00		-	+			13.00	50%	5.25	Dam Construction	\$ 200.00	\$ 1,300.00		2-18	3510	Hackberry	2.00	<u>+ +</u>
2-<8	3168 Hackberry	4.50		<u> </u>				4.50	50%	2.25		\$ 200.00	\$ 1,500.00		2-<8		Yaupon Holly	2.00	2.0
8-<19*	3173 Cedar	4.50	4.5					4.50	50%	5.13	Dam Construction	\$ 200.00	\$ 1,025.00		2-<8	3512	Cedar	2.00	2.0
8 - < 19"					3.0	3.0	3.0		50%		Dam Construction	\$ 200.00 \$ 200.00			2 - < 8"			2.50	+ +
8 · < 19*	3174 Cedar 3175 Cedar	4.50	4.0		3.0	3.0	3.0	13.00	50%	6.50	Dam Construction	\$ 200.00 \$ 200.00	\$ 1,300.00			3514	Cedar Elm Cedar	2.50	1
8 - < 19 <sup>*</sup> 8 - < 19 <sup>*</sup>		9.00	7.5		+			12.75	50%	5.75	Dam Construction	\$ 200.00	\$ 1,275.00		2 - < 8"	3515 3516		2.50	2.0
			6.0								Dam Construction		\$ 1,150.00				Cedar		2.5
2-<8"	3177 Cedar	5.00		1 17	1 12			5.00	50%	2.50	Dam Construction	\$ 200.00	\$ 500.00		2 - < 8"	3517		2.00	2.0
8 - < 19*	3178 Cedar	5.50	5.0		4.0			12.25	50%	6.13	Dam Construction	\$ 200.00	\$ 1,225.00		2-<8"	3518	Cedar	2.00	—
2 - < 8"	3179 Grapevine	3.50	2.0		+			4.50	0%	-	Removal/Vine	\$ -	\$ -		2-<8"		Cedar	2.50	<u> </u>
2.<8"	3180 Cedar Elm	6.00			+			6.00	50%	3.00	Dam Construction	\$ 200.00	\$ 600.00		2.<8"		Sumac	2.50	2.5
2-<8"	3181 Carolina Buckthorn	3.00			-			3.00	0%	-	Dam Construction	\$ -	\$ -		2-<8*		Cedar	2.50	<b>↓</b> →
2 - < 8"	3182 Hackberry	4.00		L				4.00	50%	2.00	Dam Construction	\$ 200.00	\$ 400.00		2 << 8"	3522	Chinaberry	7.00	<b>└──</b>
8-<19*	3200 Cedar	8.00						8.00	50%	4.00	Dam Construction	\$ 200.00	\$ 800.00		2-<8"	3523	Cedar	2.50	$ \longrightarrow $
8-<19*	3201 Cedar	8.50						8.50	50%	4.25	Dam Construction	\$ 200.00	\$ 850.00	1	2-48"	3524	Cedar	3.00	

[	Size Category	TREE TAG	TREE TYPE	SINGLE		N	IULTI-TRUN	к		TOTAL CALIPER	REPLACEMENT	REPLACEMENT	REASON FOR	REPLACEMENT	MITIGATION VALUE		Size Category	TREE	TREE TYPE	SINGLE	Ī
L										(INCHES)			REMOVAL/MITIGATION								1
			Cedar	4.50						4.50	50%	2.25	Dam Construction	\$ 200.00	\$ 450.00		2 - <8"		Cedar	2.00	1
			Hackberry	3.50						3.50	0%	· ·	Dam Construction	\$ -	ş -		2:<8*	3526	Cedar Elm	2.50	ł
			Cedar	6.50						6.50	50%	3.25	Dam Construction	\$ 200.00	\$ 650.00		2-<8"	3527	Yaupon Holly	1.50	ŧ
			Hackberry	5.00						5.00	50%	2.50	Dam Construction	\$ 200.00	\$ 500.00		2-<8"	3528	Cedar Elm	2.00	ł
			Cedar	4.00						4.00	50%	2.00	Dam Construction	\$ 200.00	\$ 400.00		2 - < 8"	3529	Cedar Elm	2.00	ł
H			Sumac Cedar	4.00						4.00 3.00	50%	2.00	Dam Construction	\$ 200.00	\$ 400.00		2 - < 8"	3530	Cedar	2.50 3.50	ŧ
				3.00	2.0					4.00	0%	2.00	Dam Construction	\$ - \$ 200.00	\$ ·		2 - < 8"	3531	Cedar Elm		ł
H			Cedar	3.00	2.0					4.00		2.00	Dam Construction	\$ 200.00	\$ 400.00		2:<8"	3532	Sumac	5.50	ł
H			Cedar	7.00						7.00	0%	3.50	Dam Construction	\$ - \$ 200.00	\$ 700.00		2-×8"	3533 3534	Chinaberry Chinaberry	3.50	ł
H			Hackberry Hackberry	6.50						6.50	50%	3.50	Dam Construction Dam Construction	\$ 200.00 \$ 200.00	\$ 700.00 \$ 650.00		2 - < 8"	3534	Chinaberry Cedar	2.50	ł
H			Cedar	5.50						5.50	50%	2.75	Dam Construction	\$ 200.00	\$ 550.00	-	2.<8"	3535	Cedar	2.50	ł
			Cedar	5.00	4.0	3.0				8.50	50%	4.25	Dam Construction	\$ 200.00	\$ \$50.00		2.<8"	3537	Yaupon Holly	1.50	ł
H		3215		4.00	4.0	5.0				4.00	50%	4.23	Dam Construction	\$ 200.00	\$ 400.00		2-<8"		Yaupon Holly	2.00	ł
н			Cedar	3.00						3.00	0%	2.00	Dam Construction	\$ -	\$ 400.00		2-<8"	3539	Yaupon Holly	2.00	ł
H			Live Oak	5.00						5.00	50%	2.50	Construction Access	\$ 200.00	\$ 500.00		2.48	3540	Yaupon Holly	2.00	t
			Live Oak	17.00						17.00	50%	8.50	Construction Access	\$ 200.00	\$ 1,700.00		2.<8"	3541	Cedar Elm	2.50	t
H			Spanish Oak	7.00	6.0	5.5				12.75	50%	6.38	Construction Access	\$ 200.00	\$ 1,275.00	1	2-<8"	3542	Cedar Elm	2.00	t
H			Spanish Oak	11.00	7.0	5.5				17.25	50%	8.63	Construction Access	\$ 200.00	\$ 1,725.00		2 < 8"	3543	Cedar Elm	2.50	t
H			Spanish Oak	8.00	7.5	3.3				11.75	50%	5.88	Construction Access	\$ 200.00	\$ 1,175.00		2-<8"	3544	Sumac	2.50	t
			Live Oak	9.00	8.0					13.00	50%	6.50	Construction Access	\$ 200.00	\$ 1,300.00	1	2 - < 8"	3545	Sumac	2.00	t
			Spanish Oak	8.50	4.0					10.50	0%		To Remain	s -	s -	1	2 . < 8"	3546	Cedar Elm	2.50	t
			Spanish Oak	7.50	6.5	4.0				12.75	50%	6.38	Construction Access	\$ 200.00	\$ 1,275.00		2-58	3547	Cedar Elm	3.50	t
	8-<19*	3420	Live Oak	9.00						9.00	50%	4.50	Dam Construction	\$ 200.00	\$ 900.00	1	2.48	3548	Cedar Elm	2.50	t
			Cedar	8.00						8.00	50%	4.00	Dam Construction	\$ 200.00	\$ 800.00	1	2.<8"	3549	Cedar Elm	2.50	t
	2-<8+	3436	Cedar	2.00						2.00	0%		To Remain	\$ -	\$ -	1	2-<5	3550	Cedar	2.00	t
	2-<8"	3437	Cedar	2.50	2.0					3.50	0%	-	Dam Construction	\$ -	\$ -	1	2-<8"	3551	Cedar	3.00	t
	2-<8*	3438	Cedar	2.50						2.50	0%		Construction Access	\$-	\$ -	1	2-<8"	3552	Sophora	2.00	t
	2-<8"	3439	Cedar	2.50						2.50	0%		Construction Access	\$-	\$ -	1	2-18	3553	Sophora	2.00	Ť
	2 - < 8"	3440	Cedar	3.50	2.5	2.0				5.75	50%	2.88	Construction Access	\$ 200.00	\$ 575.00	1	2 - < 8"	3554	Cedar	2.50	t
		3441	Cedar	2.50						2.50	0%		To Remain	\$-	\$-		2-<8"	3555	Cedar	2.00	Γ
	2-<8"		Cedar	3.00						3.00	0%		To Remain	\$ -	\$-		2-<8"	3556	Cedar	2.00	Ι
	2 - < 8*		Cedar	2.00						2.00	0%		To Remain	\$-	\$-		2 - < 8"	3557	Live Oak	7.00	Γ
	2-<8"		Cedar Elm	2.00						2.00	0%		Dam Construction	\$-	\$-		B-< 19 <sup>a</sup>	3558	Cedar	9.50	Ι
			Gum Bumelia	2.50						2.50	0%		Dam Construction	\$-	\$-		8 - < 19"	3559	Cedar	6.50	T
			Cedar Elm	3.00						3.00	0%		Dam Construction	\$-	\$-		8 - < 19*	3560	Cedar	8.50	T
			Cedar Elm	2.50						2.50	0%		Dam Construction	\$ -	\$-		2-<8	3561	Yaupon Holly	2.50	1
	2-×8*		Cedar	2.00						2.00	0%		Dam Construction	\$-	\$ -		2-18"	3562	Cedar	3.00	Ŧ
			Cedar	2.00						2.00	0%		Dam Construction	\$ -	\$ -		2. < 8"	3563	Cedar	3.50	ŧ
H.	2-<8*		Cedar	3.00						3.00	0%		Dam Construction	\$ -	\$ -		2-<8"	3564	Yaupon Holly	2.50	1
			Cedar	3.00						3.00	0%		Dam Construction	\$ -	\$ -		2-<8"	3565	Cedar	3.50	1
H	2-<8"	3452		2.00					-	2.00	0%		Dam Construction	\$ -	s -	4	2-58	3566	Cedar	3.50	4
H			Cedar	2.50	2.5					3.75	0%		Dam Construction	\$ -	\$ -		2.<8"	3567	Cedar	6.00	ł
			Cedar	2.00	1.0					2.50	0%		Dam Construction	\$ - \$	\$ - \$ .		2.<8"	3568	Yaupon Holly	2.00	ł
н			Cedar	2.00	1.0					2.50	0%		Dam Construction	*	ş -		2.<8"	3569	Cedar	2.00	ł
	2-<8"		Cedar Cedar	2.00						2.00	0%	- 2.00	Dam Construction Dam Construction	\$ - \$ 200.00	\$ . \$ 400.00	-	2-<8"	3570 3571	Yaupon Holly	2.00	ł
H			Cedar	2.00						2.00	0%		Dam Construction	\$ 200.00 \$ -	\$ 400.00		2.<8"	3572	Yaupon Holly Cedar Elm	2.00	ł
н			Cedar Hackberry	3.00						3.00	0%		Dam Construction	s -	\$ ·	-	2-<8"	3572	Cedar Elm	6.00	ł
H	2-<8"		Hackberry Hackberry	2.00						2.00	0%		Construction Access	s -	s .	1	2-<8"	3573	Cedar	3.00	t
Н			Hackberry	2.00						2.00	0%		Construction Access	s -	s -		2-<8"	3576	Cedar	4.50	t
F			Soapberry	2.50	2.0	-			-	3.50	0%		Construction Access	s -	s -	1	2-48	3577	Spanish Oak	2.50	t
H			Soapberry	2.50	2.0				-	2.00	0%		Construction Access	s .	s -	1	2:<8"	3578	Cedar	2.50	t
F	2-<8"		Cedar	2.50	2.5				-	3.75	0%		To Remain	s -	\$ .	1	2.<8"	3579	Cedar	2.50	t
F	2-48"		Cedar	3.00	2.3				1	3.00	0%		To Remain	s -	ş :	1	2-28	3580	Yaupon Holly	2.00	
H			Sumac	4.00					-	4.00	50%	2.00	Construction Access	\$ 200.00	\$ 400.00	1	2.<8"	3581	Spanish Oak	7.50	t
h			Cedar Elm	2.00						2.00	0%	-		\$ -	\$ -		2-<8"		Mountain Laurel	2.00	t

MCGRAY CONDUCTED THE SURVEY IN DECEMBER 2018.

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MULTI-TRUNK

Color Coding Legend
Existing Trees 2 - < 8" Caliper
Existing Trees 8 - < 19" Caliper
 Existing Trees 19 - < 24" Caliper
Existing Trees 24"+ Caliper
Existing Trees 30"+ Caliper

Size Category	TREE TAG	TREE TYPE	SINGLE TRUNK		N	ULTI-TRUN	к	CALIPER (INCHES)	REPLACEMENT FACTOR	REPLACEMENT INCHES REQUIRED	REASON FOR REMOVAL/MITIGATION	REPLACEMENT VALUE	MITIGATION VALUE	Size Category	TREE TAG	TREE TYPE	SINGLE TRUNK	
2-<8*	3583	Cedar Elm	2.00					2.00	0%		To Remain	s -	s -	2-48%	3697	American Elm	2.50	t
2-<8*	3584	Yaupon Holly	1.50	1.5	1.0			2.75	0%	-	To Remain	\$ -	\$ -	2 - < 8"	3698	Cedar Elm	2.50	T
2-<8"	3585	Yaupon Holly	2.00	1.5				2.75	0%	-	To Remain	\$ -	ş -	2-<8"	3699	Hackberry	3.50	T
2 - < 8*	3586	Cedar Elm	2.00					2.00	0%	-	To Remain	\$ -	\$ -	2.48	3700	Waxleaf Ligustrum	1.50	T
2-<8"	3587	Cedar Elm	3.00					3.00	0%	-	To Remain	\$ -	\$ -	2.<8	3701	Cedar Elm	4.00	
2-<8*	3588	Cedar Elm	2.00					2.00	0%	-	To Remain	\$ -	\$ -	2-<8"	3702	Cedar	3.50	T
2 - < 8"	3589	Cedar	2.50					2.50	0%		To Remain	\$ -	ş -	2 - < 8"	3703	Cedar	2.00	
		Cedar	2.50					2.50	0%	-	To Remain	\$ -	\$ -	2-<8	3704	Cedar	4.00	
		Yaupon Holly	2.00	1.0				2.50	0%	-	To Remain	\$-	\$-	2-18"	3705	Cedar	4.50	
		Cedar	2.00					2.00	0%	-	To Remain	\$ -	\$ -	2: < 8"	3706	Cedar Elm	3.75	
		Waxleaf Ligustrum	3.00	2.5	2.5	2.0		6.50	0%	-	Removal/Invasive	\$ -	\$ -	2 - < 8"	3707	Ash	3.00	
	3594	Cedar Elm	2.00					2.00	0%	-	Construction Access	\$ -	ş -	2 - < 8*	3708	Cedar	3.50	
	3595	Cedar Elm	3.00					3.00	0%	-	To Remain	\$ -	\$ -	2 : < 8"	3709	Cedar	3.00	
	3596	Cedar Elm	2.00					2.00	0%	-	Construction Access	\$ -	s -	2.<8"	3710	Cedar	3.50	
		Cedar Elm	2.00					2.00	0%	-	To Remain	\$ -	ş -		3711	Yaupon Holly	2.00	
		Waxleaf Ligustrum	4.00					4.00	0%	-	Invasive	\$ -	\$ -			Yaupon Holly	2.00	
		Waxleaf Ligustrum	2.00	1.0	1.0	1.0		3.50	0%	-	Invasive	\$ -	s -		3713	Mountain Laurel	2.00	
		Chinaberry	2.00	2.0	1.0			3.50	0%	-	Invasive	\$ -	\$ -		3714	Cedar	3.00	
		Cedar Elm	2.50					2.50	0%	-	Construction Access	\$ -	ş -		3715	Cedar	2.50	
	3602	Cedar Elm	3.00					3.00	0%	-	Construction Access	\$ -	ş -	2-<#	3716	Cedar	2.00	
		Cedar Elm	2.50					2.50	0%	-	Construction Access	\$ -	ş -		3717	Ash	4.00	
		Cedar Elm	2.00	2.0				3.00	0%	-	Construction Access	\$ -	\$ -		3718	Cedar	3.00	
	3605	Cedar Elm	2.50					2.50	0%	-	Construction Access	\$ -	\$ -		3719	Yaupon Holly	1.50	
		Cedar Elm	2.50					2.50	0%	-	Construction Access	\$ -	\$ -	21<8"	3720	Yaupon Holly	1.50	
	3607	Cedar Elm	3.00					3.00	0%	-	Construction Access	s -	\$ -	2 - < 8"	3721	Yaupon Holly	2.00	
	3608	Cedar Elm	3.00					3.00	0%	-	Construction Access	\$ -	\$ -	2-<8"	3722	Yaupon Holly	1.50	
	3609	Cedar Elm	2.00					2.00	0%	-	Construction Access	\$ -	\$ -	2 + < 8"	3722	Yaupon Holly	1.50	
		Cedar	2.00					2.00	0%		Construction Access	\$ -	ş -	2-<8"	3724	Hackberry	2.50	
		Yaupon Holly	2.00	1.5	1.5			3.50	0%	-	Construction Access	\$ -	\$ -	2.<8"	3725 3726	Cedar Cedar Elm	2.00	
		Yaupon Holly Cedar	2.00	2.0		<u> </u>		2.00	0%		To Remain Construction Access	5 -	s .		3725	Cedar Elm	6.50	
		Yaupon Holly	2.00	1.5				2.00	0%		Construction Access	s -	s -		3728	Cedar Elm	6.00	
		Shin Oak	2.00	2.0				3.50	0%		Construction Access	s -	s -	2.<8	3728		7.50	
		Cedar	2.30	2.0	1.5	<u> </u>		3.30	0%		Construction Access	s -	s -		3730	Yaupon Holly	2.00	
		Yaupon Holly	1.50	1.50	1.5	1.0		3.50	0%		Construction Access	s -	s -	2-48	3731	Soapberry	5.00	
		Common Persimmon	1.50	1.50	1.50	1.0		2.25	0%		Construction Access	s -	s -		3732	Cedar	4.50	
		Yaupon Holly	2.00	1.5		<u> </u>		2.25	0%		Construction Access	s -	s -	2-48	3733	Texas Persimmon	4.50	
		Cedar	2.50	2.5		<u> </u>		3.75	0%		Construction Access	s -	s -		3734	Cedar Elm	2.50	
		Cedar	2.30	2.3		<u> </u>		2.00	0%		Construction Access	s -	s .	2.48	3735	Yaupon Holly	2.50	
		Cedar Elm	2.00					2.00	0%		Dam Construction	\$ .	s .	2-48"	3736	Hackberry	5.50	
		Possumhaw	2.00					2.00	0%	-	Construction Access	\$ .	\$ .	2 . < 8"	3737	Yaupon Holly	2.50	
	3624	Hackberry	3.00			<u> </u>		3.00	0%		Construction Access	5 -	s -	2.58	3738	Yaupon Holly	2.50	
	3625	Cedar Elm	2.00			<u> </u>		2.00	0%		Construction Access	\$ .	s :		3739	Yaupon Holly	2.00	
		Yaupon Holly	6.25			<u> </u>		6.25	50%	3.13	Dam Construction	\$ 200.00	\$ 625.00		3740	Soapberry	2.50	
		Yaupon Holly	2.00					2.00	0%	-	Dam Construction	\$ -	s -		3741	Hackberry	4.00	
		Yaupon Holly	2.00					2.00	0%		Construction Access	s -	s -		3742	Hackberry	3.50	
		Yaupon Holly	2.00	1.5	1.5			3.50	0%	-	Construction Access	s -	s -		3743	Yaupon Holly	2.00	
		Yaupon Holly	1.50	1.5	2.0			2.25	0%		To Remain	s -	s -			Yaupon Holly	2.50	
		Spanish Oak	9.50					9.50	50%	4.75	Construction Access	\$ 200.00	\$ 950.00		3745	Yaupon Holly	1.50	
		Spanish Oak	7.50					7.50	50%	3.75	Dam Construction	\$ 200.00	\$ 750.00	2.<8"	3746	Cedar	6.00	
		Cedar	2.50					2.50	0%	-	Dam Construction	S -	s -		3747	Soapberry	3.50	
		Cedar	4.50	3.0	2.0			7.00	50%	3.50	Dam Construction	\$ 200.00	\$ 700.00		3748	Yaupon Holly	2.50	
		Yaupon Holly	1.50	1.5	_10			2.25	0%	-	Dam Construction	\$ -	s -	2.<8"	3749	Yaupon Holly	2.00	
		Yaupon Holly	2.50	-				2.50	0%	-	Dam Construction	\$ -	s -	2-<8"	3750	Common Persimmon	2.00	
	3637	Yaupon Holly	2.00	2.0	2.0	1.5		4.75	50%	2.38	Dam Construction	\$ 200.00	\$ 475.00	2 - < 8"	3751	Hackberry	2.00	
	3638	Sumac	2.50	2.0		-		3.50	0%		Dam Construction	\$ -	\$ -	2.<8"	3752	Soapberry	3.50	
		Yaupon Holly	2.00	1.5				2.75	0%		Dam Construction	\$ -	s -			Soapberry	2.50	

TOTAL

Size Category	TREE TAG	TREE TYPE	SINGLE TRUNK		N	/ULTI-TRU/	NK		TOTAL CALIPER (INCHES)	REPLACEMENT FACTOR	REPLACEMENT INCHES REQUIRED	REASON FOR REMOVAL/MITIGATION	REPLACEMENT VALUE	MITIGATION VALUE	Size	Category	TREE TAG	TREE TYPE
2-<8*	3640	Yaupon Holly	1.50	1.5	1.0				2.75	0%		Construction Access	\$ -	\$-	2	-×#	3754	Yaupon Holly
2 - < 8*	3641	Yaupon Holly	2.00	1.5					2.75	0%		Construction Access	\$ -	\$-	8	< 19"	3755	Cedar Elm
2-<8"	3642	Yaupon Holly	2.00	1.5	1.5				3.50	0%		Dam Construction	\$ -	\$-	B	< 19*	3756	Gum Bumelia
2-<8*	3643	Cedar	2.50						2.50	0%		Dam Construction	\$-	\$-	2	- × 8"	3757	Cedar Elm
2 - < 8"	3644	Cedar	2.50	2.0					3.50	0%		Dam Construction	\$-	\$-	2	- < 祭" -	3758	Cedar Elm
2-<8"	3645	Cedar	3.00						3.00	0%		Dam Construction	\$ -	\$-	2	-<3"	3759	Soapberry
2-<8"	3646	Sumac	3.00	2.0					4.00	50%	2.00	Dam Construction	\$ 200.00	\$ 400.00	2	- < 8"	3760	Hackberry
2 < 8*	3647	Cedar	2.50						2.50	0%		Dam Construction	\$-	\$-	2	< 8"	3761	Soapberry
2-<8*	3648	Cedar	2.50						2.50	0%		Dam Construction	\$-	\$-	2	-×8"	3762	Soapberry
2 - < 8"	3649	Hackberry	2.50						2.50	0%		Dam Construction	\$ -	\$-	2	人名	3763	Soapberry
2 - < 8"	3650	Hackberry	2.50						2.50	0%		Dam Construction	\$-	\$-		24"+	3764	Live Oak
2-<8*	3651	Cedar	2.50						2.50	0%		Dam Construction	\$ -	\$-	2	·<8"	3765	Gum Bumelia
2-<8*	3652	Cedar	1.50	0.5					1.75	0%		Dam Construction	\$ -	\$-	2	- < 8 <sup>n</sup>	3766	Soapberry
2-<8"	3653	Cedar Elm	2.00						2.00	0%	-	Dam Construction	\$-	\$-	2	-<8"	3767	Yaupon Holly
2-<8"	3654	Cedar	3.00	2.5					4.25	50%	2.13	Dam Construction	\$ 200.00	\$ 425.00	8	× 19*	3768	Cedar Elm
2 - < 8"	3655	Hackberry	2.50						2.50	0%	-	Dam Construction	\$-	\$-	8	< 19*	3769	Cedar Elm
2 - < 8"	3656	Hackberry	3.00						3.00	0%			\$-	\$-		·<8"		Yaupon Holly
2-<8*	3657	Hackberry	3.50						3.50	0%	-	Dam Construction	\$ -	\$-		- <8"		Cedar
2 - < 8*	3658		2.00						2.00	0%			\$-	\$-		(<8".		Yaupon Holly
2-<8+	3659	Cedar Elm	2.50						2.50	0%			\$ -	\$-		-<8"		Cedar
2-×8*	3660	Cedar	3.50	2.5					4.75	50%	2.38	Dam Construction	\$ 200.00	\$ 475.00		- < 8"	3774	Cedar Elm
B < < 19*	3661	Chinaberry	5.00	4.0	3.5	3.0			10.25	0%		Removal/Invasive	\$-	\$-		< 3"	3775	Cedar Elm
2-<8*	3662	Hackberry	4.00						4.00	50%	2.00		\$ 200.00	\$ 400.00		< 19*		Cedar Elm
2-<8"	3663	Cedar	2.50						2.50	0%			\$-	\$-		+<8		Soapberry
2-<8"	3664	Chinaberry	3.00	3.0					4.50	0%			+	\$ -		- < 8"	3778	Soapberry
2-<8+	3665	Chinese Elm	2.50						2.50	0%		Removal/Invasive	\$ -	\$-		< 19*	3779	Cedar Elm
2 - < 8*	3666	Cedar Elm	2.00						2.00	0%		Construction Access	V	\$ -		< 19"	3780	Cedar
2-<8*	3667	Cedar	3.00						3.00	0%	-	Construction Access	\$ -	\$ -		< 19*		Cedar Elm
2 - < 8"	3668	Chinese Elm	3.50	1.5					4.25	0%	-			ş -		< 19*		Cedar Elm
2 - < 8*	3669	Yaupon Holly	1.50	1.5	1.5	1.0			3.50	0%		Construction Access	*	\$ -		- < 8°		Pyracantha
2 - < 8"	3670		2.50						2.50	0%		Dam Construction		\$ -		-<8"		Pyracantha
2-<8"	3671	Chinese Elm	2.00	1.5					2.75	0%		Removal/Invasive	\$ -	\$ -		-<8"		Cedar
2 - < 8*	3672 3673		4.00	3.5					5.75 3.50	0%		Removal/Invasive	\$ -	\$ - \$		-<8" -<8"	3786 3787	Soapberry
2-<8"	3673	Soapberry Cedar	2.00						2.00	0%		Construction Access Construction Access	*	Ŷ		- < 8"	3788	Soapberry Soapberry
2-<8"	3675		2.00			<u> </u>			2.00	0%		Construction Access	\$ - \$ -	\$ - \$ -		1<8"	3789	Soapberry
2-48"	3675		2.50						2.50	0%		Construction Access	s -	s -		- 58		Live Oak
2-48	3677	Soapberry	2.00						2.00	0%		Construction Access		s -		- 18"		Soapberry
2<8"	3678		1.50	1.5	1.0				2.00	0%		Construction Access		s -		< 8"	3792	Soapberry
2-48	3679	Soapberry	2.00	1.5	1.0				2.75	0%		Construction Access		s -		1.5"	3793	Cedar Elm
2-48	3680	Yaupon Holly	2.50	1.5			1	-	3.25	0%		Construction Access	ş -	ş :		× 19*	3794	Cedar
2-<8"	3681	Hackberry	3.00	1.5					3.00	0%		Dam Construction	s -	s .		· < 8"		Soapberry
2-<8*	3682	American Elm	2.50						2.50	0%		Dam Construction	\$ -	\$ -		< 19*	3796	Gum Bumelia
2.48"	3683	Cedar	2.50						2.50	0%		Dam Construction	s -	\$ -		< 19*		Cedar Elm
2-48"	3684	Soapberry	2.50	1.5					3.25	0%			\$ .	\$ .		×< 8"		Live Oak
2-<8"	3685	Cedar	3.50						3.50	0%		Dam Construction	\$ -	\$ -		·<#		Live Oak
2 + < 8*	3686	Cedar	2.50	1.5					3.25	0%			s -	s -		< 8 <sup>th</sup>		Live Oak
2-<8*	3687	Cedar	2.50						2.50	0%		Dam Construction	\$ -	\$ -	2	- < 8"	3801	Live Oak
2-<8"	3688	Cedar	2.50	1.5					3.25	0%		Dam Construction	s -	s -		-×8"	3802	Yaupon Holly
2 - < 8"	3689	Cedar	3.50						3.50	0%		Dam Construction	\$ -	\$ -	2	. < 8"/	3803	Cedar
2-<8*	3690	Cedar	4.50		2.0				5.50	50%	2.75	Dam Construction	\$ 200.00	\$ 550.00	8	< 19"	3804	Cedar Elm
2-<8"	3691	Cedar	2.50	2.0					3.50	0%	-	Dam Construction	\$ -	\$ -	8	< 19"	3805	Cedar Elm
2-<8"	3692	Cedar	5.00						5.00	50%	2.50	Dam Construction	\$ 200.00	\$ 500.00	8	< 19*	3806	Cedar Elm
2-<8*	3693	Cedar	3.50						3.50	0%		Dam Construction	\$ -	\$ -	8	< 19*	3807	Cedar Elm
2-<8"	3694	Cedar Elm	2.00						2.00	0%		Dam Construction	\$ -	\$ -	2	- < 8"	3808	Yaupon Holly
2 - < 8"	3695	Hackberry	4.50						4.50	50%	2.25	Dam Construction	\$ 200.00	\$ 450.00	2	·< 8"	3809	Yaupon Holly
2.<8*	3696	Cedar Elm	2.50						2.50	0%		Dam Construction	\$ -	\$.	2	- < 8 <sup>th</sup>	3810	Hackberry
							-	-										

MCGRAY CONDUCTED THE SURVEY IN DECEMBER 2018.

3.173	Suite 200 Austin, Texas 78752	and Driv						MITIGATION VALUE	REPLACEMENT VALUE	ON FOR		LACEMENT ES REQUIRED		REPLACEMENT FACTOR	ER
p: 512.453.07 f: 512.453.17 MWM#:023-77D	200 n, Texa:	: Huntla	ġ,						-	nstruction	Dam Co	- -	+	0%	50 50
н. МWM	Suite Austi	305 E	3					450.00	200.00	nstruction Il/Invasive	Dam Co Remove	2.25		50% 0%	50 25 00
			<b>DOLD</b>	1				400.00	-	tion Access emain emain	To F	2.00	+	50% 0%	0
			5					- 450.00	- 200.00	emain tion Access	To F Construc	- 2.25	-	0% 50%	2
			Design	11	2				-	emain emain emain	To F		+	0% 0% 0%	5
		┛	De					-	-	emain emain	To F To F	-	+	0%	0
				24					-	emain emain emain	To F		+	0% 0%	5 5 0
				,,,	E				-	emain emain	To F To F			0% 0%	0
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So	44	DSC	LAN	DED	8			•	-	tion Access tion Access	Construc	-		0%	2
33	LAN P	CA.	D1	1	130	E			-	tion Access tion Access tion Access	Construc		+	0% 0%	) ) )
38	- Es	大	5	Date	治석	800		500.00 650.00	200.00 200.00	tion Access tion Access	Construc	2.50 3.25	+	50% 50%	)
2	1	871	"	•	AC + HEAK	8		750.00	200.00 200.00	tion Access tion Access nstruction	Construc	3.75	Ŧ	50% 50% 0%	) ) )
9	The	DF	an	3	8	Ľ		500.00 450.00	200.00 200.00	nstruction nstruction	Dam Co Dam Co	2.50	+	50% 50%	2
	023	ie 2	Jur	13					-	nstruction nstruction	Dam Co	-	+	0% 0% 0%	5
		-				$\vdash$		- 550.00 -	200.00	nstruction nstruction nstruction	Dam Co Dam Co	2.75	+	0% 50% 0%	)
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								- 400.00 -	- 200.00 -	tion Access tion Access tion Access	Construc	- 2.00	+	0% 50% 0%	) )
			Z					475.00	- 200.00	nstruction nstruction	Dam Co Dam Co	2.38	+	0% 50%	) ; )
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	J A C		2			PAR			-	tion Access nstruction				0%	0
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$\sim$	Ч Ү		9	2	2	CTIO		MITIGATION VALUE	REPLACEMENT VALUE	ON FOR MITIGATION	REMOVAL, Dam Co	LACEMENT ES REQUIRED		REPLACEMENT FACTOR 0%	
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	_	i	AS			Š		1,150.00	- - 200.00	emain emain tion Access	To F To F	- - 5.75	Ŧ	0% 0% 50%	5
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	$\geq$		Σ			Ь			-	emain emain emain	To F			0% 0% 0%	) ) )
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	-			~	6	⊢		-		emain emain	To F To F		+	0%	2
				,2023	1230				-	emain emain emain	To F	-	Ŧ	0% 0%	5
				6/13/2023	AU311230				-	emain emain	To F To F		+	0% 0%	5
CHECKED	REVISED	DRAWN	DESIGNED		1	F&N JOB NO.			-	emain emain	To F To F	-	+	0% 0%	<u>}</u>
	REV	OR,	Ű	DATE	_	8			-	emain emain emain	To F		+	0% 0% 0%	
FILE NAME TP-000.dwg						DATE		-		emain emain	To F To F		1	0% 0%	5
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						BΥ		900.00 1,050.00	200.00 200.00	tion Access tion Access	Construc	4.50 5.25		50% 50%	) ) )
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<ul> <li>E Bar is one inch on original</li> <li>1 drawing. If not one inch on</li> <li>this sheet, adjust scale.</li> </ul>						NO	TTAL	00% SUBMIT	Г						
CAL						REVISION		E PLANS	DEQUACY OF THE						
RIFY SCAL			<u> </u>		_				WHO PREPARED	HE ENGINEE	IS WITH T				
VERIFY SCALI						ÖN		UST RELY	CITY OF AUSTIN	E PLANS, TH	ING THES	APPROV			
VERIFY SCAL		37	-	-	EET			UST RELY		E PLANS, TH JACY OF THI	HE ADEQ	APPROV UPON T REVIEW			

MULTI-TRUNK

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SINGLE TRUNK

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MULTI-TRUNK

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1.5 1.5

1.50 2.50 11.50 8.00 9.00 10.50

1.0

CALI (INCH

Color Coding Legend
Existing Trees 2 - < 8" Caliper
Existing Trees 8 - < 19" Caliper
Existing Trees 19 - < 24" Caliper
Existing Trees 24"+ Caliper
Existing Trees 30"+ Caliper

Size Category	TREE TAG	TREE TYPE	SINGLE TRUNK		N	NULTI-TRUM	٩ĸ		TOTAL CALIPER (INCHES)	REPLACEMENT FACTOR	REPLACEMENT INCHES REQUIRED	REASON FOR REMOVAL/MITIGATION	REPLACEMENT VALUE	MITIGATION VALUE		Size Category	TREE TAG	TREE TYPE	SINGLE TRUNK		N	MULTI-TRUM	NK
2-<8*	3811	Soapberry	2.50						2.50	0%		Construction Access	s -	s -	1	2-48"	3925	Cedar	3.00			1	T
2-<8"	3812	Cedar	4.00	4.0					6.00	50%	3.00	Construction Access	\$ 200.00	\$ 600.00	1	2.<8"	3926	Cedar	2.50				+
2-<8"	3813	Soapberry	2.00						2.00	0%	-	Construction Access	\$ -	ş -	1	2-<8	3927	Cedar	2.50				1
2-58*	3814	Cedar	6.00						6.00	50%	3.00	Construction Access	\$ 200.00	\$ 600.00	1	2.48"	3928	Cedar	3.00				$\square$
2-<8"	3815	Soapberry	3.50						3.50	0%		Construction Access	\$ -	s -	1	2.<8"	3929	Cedar	3.50			-	+
8-<19*	3816	Cedar	8.00	7.5					11.75	50%	5.88	Construction Access	\$ 200.00	\$ 1.175.00	1	2-18		Cedar	2.00			1	1
2-<8"	3817	Cedar Elm	7.50						7.50	50%	3.75	Construction Access	\$ 200.00	\$ 750.00	1	2 - < 8"	3931	Texas Persimmon	2.00				+
2-<8"	3818	Yaupon Holly	2.00	1.5	1.0				3.25	0%	-	To Remain	\$ -	s -	1	2-58	3932	Texas Persimmon	3.00				+
2-<8*	3819	Yaupon Holly	2.00	2.0					3.00	0%		Construction Access	s -	s -		24*+	3933	Live Oak	28.00				-
2. < 8"	3820		5.00						5.00	0%		To Remain	\$ -	s -		8 - < 19"		Cedar	5.00	4.5	3.5	3.5	+
8-<19*	3821	Cedar	10.00						10.00	50%	5.00	Construction Access	\$ 200.00	\$ 1.000.00	1	2 - < 8"	3935	Cedar Elm	6.00			-	1
2-<8*	3822	Yaupon Holly	2.00						2.00	0%		Construction Access	s -	s -	1	2-<8"	3936	Yaupon Holly	2.00	1.5			-
2.1<8*		Gum Bumelia	3.00						3.00	0%		Construction Access	\$ -	s -		2 < 8"	3937	Cedar	2.50				+
2-<8"		Hackberry	4.00						4.00	50%	2.00	Construction Access	\$ 200.00	\$ 400.00	1	2.48	3938	Honey Mesquite	2.00				+
2.<8"		Cedar Elm	2.50						2.50	0%		Construction Access	s -	s -	1	2.<8"	3939		2.50	1.5			+
2-<8"	3826	Cedar	4.00						4.00	50%	2.00	Construction Access	\$ 200.00	\$ 400.00		2 - < 8"	3940	Cedar	4.50				+
2-<8"		Yaupon Holly	2.00						2.00	0%		Construction Access	\$ .	s -	1	2-<8"	3941	Cedar	4.00	3.5	3.0		+
2-48*		Soapberry	2.00						2.00	0%		To Remain	\$ .	\$ .		2-48"	3942	Cedar	4.50				+
2-<8"		Yaupon Holly	2.50						2.50	0%		To Remain	\$ -	š -		2.<8"		Cedar	4.00			-	+
2-<8"		Yaupon Holly	1.50	1.5	1.5				3.00	0%	-	To Remain	s -	s -	1	2-<8"		Cedar	5.50				+
2-<8"		Cedar	2.00						2.00	0%		To Remain	\$ .	\$ .		2.48"	3945	Cedar	2.00				+
8-<19*		Cedar Elm	8.00						8.00	0%		To Remain	\$ .	š -		2.<8"	3946	Cedar	2.50			-	+
8 - < 19*		Hackberry	12.50						12.50	0%		To Remain	¢ .	¢		2.48		Cedar	2.00				+
8 - < 19*	3834		8.00			<u> </u>			8.00	0%		To Remain	\$ .	\$ .		21<8		Cedar	5.00				+
2-<8"		Hackberry	5.00						5.00	50%	2.50	Construction Access	\$ 200.00	\$ 500.00		8 - < 19"	3949	Live Oak	15.00			+	+
2-×8*		Cedar Elm	3.00						3.00	0%	-	Construction Access	\$ .	¢		2-15	3950	Cedar	3.00				+
2 . < 8"		Yaupon Holly	2.00			<u> </u>			2.00	0%		Construction Access	\$ .	\$ .		8 - < 19*	3951	Cedar	6.00	4.0	3.5		+
2-<8*		Yaupon Holly	2.00						2.00	0%		Construction Access	\$ -	\$ .		H-<19*	3952	Live Oak	8.00	4.0	5.5		+
2-<8"		Soapberry	2.50			<u> </u>			2.50	0%		Construction Access	\$ .	s .		2.58	3953	Live Oak	5.50				+
2.<8"		Yaupon Holly	1.50	1.0	1.0	<u> </u>			2.50	0%	-	Construction Access	\$ -	\$ -		2.<8"	3954	Live Oak	2.50				+
2-<8"		Yaupon Holly	2.00	2.0	2.0	<u> </u>			3.00	0%		Construction Access	s -	s -		8-<19*	3955	Live Oak	9.00	6.5	4.5		+
2-<8"		Yaupon Holly	2.00	2.0					2.00	0%		Construction Access	\$ .	s .		8-<19"	3956		10.25	0.5			+
8 - < 19*	3843		7.50	6.5	4.5	3.5			14.75	50%	7.38	Construction Access	\$ 200.00	\$ 1.475.00		2.<8"	3957	Cedar	5.50				+
8 - < 19*		Hackberry	12.50	0.5	1.5	0.0			12.50	50%	6.25	Construction Access	\$ 200.00	\$ 1,250.00		2-18	3958	Cedar	3.00				+
2-<8*		Soapberry	3.50						3.50	0%	0.2.5	Construction Access	\$ .	\$ 1,250.00		2-48"	3959	Cedar	5.50				+
8-<19*		Grapevine	4.50	4.0	4.0	3.5	3.5	3.0	13.50	0%		Removal/Vine	¢ .	s .		2-<8"	3960	Cedar	4.00				+
8-< 19*		Cedar Elm	11.50	4.0	4.0	0.0	0.0	5.0	11.50	50%	5.75	Construction Access	\$ 200.00	\$ 1.150.00		2-18		Cedar	6.00				+
2.<8"	3848		6.00						6.00	50%	3.00	Construction Access	\$ 200.00	\$ 600.00		2.58		Cedar	3.50				+
2-<8"		Cedar Elm	4.00						4.00	50%	2.00	Construction Access	\$ 200.00	\$ 400.00		2.<8"	3963	Live Oak	5.00				+
2-38*	3850		4.50	3.5					6.25	50%	3.13	Construction Access	\$ 200.00	\$ 625.00		2.48	3964	Live Oak	7.00				+
8 - < 19*	3851		9.00	0.0					9.00	50%	4.50	Construction Access	\$ 200.00	\$ 900.00		2148		Cedar	2.50				+
8-<19"	3852		11.50	4.5					13.75	50%	6.88	Construction Access	\$ 200.00	\$ 1.375.00		2.58	3966	Cedar	3.50				+
2-58"		Cedar Elm	3.50	4.3					3.50	0%	0.00	Construction Access	\$ .	\$		2-<8"	3967	Cedar	7.50				+
2-+8"		Cedar Elm	4.00						4.00	50%	2.00	Construction Access	\$ 200.00	\$ 400.00		2. < 8"	3968	Cedar	2.50	2.5			+
8 - < 19"		Cedar Elm	10.50						10.50	50%	5.25	Construction Access	\$ 200.00	\$ 1,050.00		2-<8"	3969	Live Oak	5.50	E.O.			+
8-<19*		Cedar Elm	13.00						13.00	50%	6.50	Construction Access	\$ 200.00	\$ 1,300.00		2-<8"	3970	Cedar	4.00				+
2.4 < 8*		Cedar	3.50						3.50	0%	0.50	Construction Access	\$	\$ 2,500.00		21<8"	3971	Live Oak	6.00			+	+
2-<8"		Cedar	4.50						4.50	50%	2.25	Construction Access	\$ 200.00	\$ 450.00		2.48	3972	Live Oak	6.50		<u> </u>		+
2.48"	3859		3.50			<u> </u>			3.50	0%		To Remain	\$	¢ 450.00		2.48"	3973	Live Oak	5.00	4.0			+
2.<8"		Yaupon Holly	1.50	1.5	1.0		-		2.75	0%		To Remain	ş .	ş .		2.<8"	3974		5.00	4.0		+	+
2-<8*		Yaupon Holly	2.00	2.0	1.5	1.0	1.0		4.75	50%	2.38	Construction Access	\$ 200.00	\$ 475.00		2-48	3974	Live Oak	3.50			+	+
2-48"	3862		7.00	2.0	1.5	1.0	1.0	-	7.00	50%	3.50	Construction Access Construction Access	\$ 200.00	\$ 700.00		2.48	3975	Cedar	5.50	4.5	<u> </u>	+	+
2-<8"		Yaupon Holly	2.00			<u> </u>			2.00	30%	-	Construction Access	\$ <u>200.00</u>	\$ 700.00		2.<8"	3976	Cedar	4.50	4.5		+	+
8-<19*		Cedar Elm	8.00						2.00	50%	4.00	Construction Access	\$ 200.00	\$ 800.00		2.48*	3978		4.00	2.0	<u> </u>	+	+-
2-<8"		Yaupon Holly	1.50	1.5	1.5		-	-	3.00	0%	4.00	Construction Access Construction Access	\$ 200.00	\$ 800.00 \$ -		2.<8		Cedar	4.00		<u> </u>	+	+
2-<8"		Yaupon Holly Yaupon Holly	2.00	1.5	1.5	<u> </u>	-	-	3.00	0%		Construction Access Construction Access	s -	s -		2.48	3979	Cedar Spanish Oak	7.00		<u> </u>	+	+
2-<8"		Chinaberry	2.00	1.0	1.0	<u> </u>			2.00	0%		Removal/Invasive	s -	s -		B-×19*		Cedar	5.00	4.5	3.5	3.0	+
1110	13007	Chinadenty	2.00				1	1	2.00	078	-	Nerrioval/Invasive	*	· ·	J	n-4.13	3301	lorden	5.00	4.5	3.3		1

Size Category	TREE TAG	TREE TYPE	SINGLE TRUNK			NULTI-TRU	4K		TOTAL CALIPER (INCHES)	REPLACEMENT FACTOR	REPLACEMENT INCHES REQUIRED	REASON FOR REMOVAL/MITIGATION	REPLACEMENT VALUE	MITIGATION VALUE	Size Catego	TAG	TREE TYPE
2-<8*		Yaupon Holly	2.00	1.5	1.5	1.5			4.25	50%	2.13	Construction Access	\$ 200.00	\$ 425.00	8 - < 19*	3982	
8 - < 19*	3869	Chinaberry	9.00						9.00	0%		Removal/Invasive	\$ -	ş .	8 - < 19*	3983	
Z-<8"			2.00	1.0					2.50	0%		Construction Access	\$ -	\$ -	2-<8	3984	
2-<8*	3871	Cedar Elm	3.50						3.50	0%		Construction Access	\$ -	\$.	8 - < 19"	3985	
2 - < 8"	3872	Cedar Elm	2.50						2.50	0%		Construction Access	\$ -	\$-	2 / < 8"	3986	
2-<8"	3873	Cedar Elm	2.00	1.5					2.75	0%		Construction Access	\$ -	\$ -	8 - < 19*	3987	
2-<8"	3874	Cedar Elm	4.00						4.00	50%	2.00	Construction Access	\$ 200.00	\$ 400.00	8-*19'	3988	
Z - < 8*	3875	Cedar Elm	5.00						5.00	50%	2.50	Construction Access	\$ 200.00	\$ 500.00	8 - < 19'	3989	
5-<8*	3876	Cedar	6.50						6.50	50%	3.25	Construction Access	\$ 200.00	\$ 650.00	2-×8"	3990	
2 - < 8"	3877	Cedar Elm	2.50						2.50	0%		Construction Access	\$ -	\$ -	8 - * 19"	3991	
Z - < 8"	3878	Hackberry	6.00						6.00	50%	3.00	Construction Access	\$ 200.00	\$ 600.00	2 - < 8"	3992	
2-<8*	3879	Cedar Elm	6.00						6.00	50%	3.00	Construction Access	\$ 200.00	\$ 600.00	8 - < 19*	3993	
2 - < 8*	3880	Common Persimmon	2.75						2.75	0%		Dam Construction	\$ -	\$ -	2 - < 8"	3994	
B-<19*	3881	Cedar	7.00	4.0	4.0	4.0	3.5	3.0		50%	8.13	Construction Access	\$ 200.00	\$ 1,625.00	2-<8	3995	
2-<8*	3882	Cedar Elm	3.00						3.00	0%		Construction Access	\$ -	\$ -	2 - < 8*	3996	
8 - < 19*	3883	Cedar	8.00						8.00	50%	4.00	Construction Access	\$ 200.00	\$ 800.00	2 << 8"	3997	Cedar
2-<8'	3884		2.00						2.00	0%		Construction Access	\$ -	\$ -	2 - < 8"	3998	
2 - < 8*	3885	Yaupon Holly	2.00	1.5	1.0				3.25	0%		Construction Access	\$ -	\$ -	2 - < 8"	3999	Live Oak
2 - < 8*		Yaupon Holly	2.00	1.5	1.5				3.50	0%		Construction Access	\$ -	\$ -	2 - <8*	4000	
2-<8*	3887	Walnut	6.00 2.50						6.00 2.50	50% 0%	3.00	Construction Access	\$ 200.00	\$ 600.00	2 - < 8	4001	
2 - < 8"	3888	Cedar Elm	2.50						2.50			Construction Access	V	\$ -	2 - < 8*	4002	
	3889 3890	Cedar Elm	2.50						2.50	0%		Construction Access	\$ - \$ -	*	2 - < 8"	4003	
2-<8*	3890	Cedar Elm Cedar Elm	2.50				-		2.50	0%		Construction Access Construction Access	s -	\$ - \$ -	2-<8"	4004	
2.58	3892	Cedar Elm	3.00			-			3.00	0%		Construction Access	s -	\$ .	8 - < 19"	4005	
2-<8+	3893	Cedar Elm	2.50	2.0					3.50	0%		Construction Access	5 - 6	s -	2-45	4006	
2.<8"	3894	Cedar	4.00	3.5					5.75	50%	2.88	Construction Access	\$ 200.00	\$ 575.00	8 - < 19	4007	
2-<8"	3895	Cedar	4.50	3.5			-		4.50	50%	2.00	Construction Access	\$ 200.00	\$ 450.00	2-<8"	4008	
2 87	3896	Cedar	3.00						3.00	0%		Construction Access	\$ -	\$ .	8-< 19	4010	
2.<8"	3897	Cedar	2.50						2.50	0%		Construction Access	\$ -	s -	2-48	4011	
2-<8"	3898	Cedar	4.00	2.0					5.00	50%	2.50	Construction Access	\$ 200.00	\$ 500.00	8 - < 19"	4012	
2-<8"	3899	Cedar	4.00						4.00	50%	2.00	Construction Access	\$ 200.00	\$ 400.00	8-<19	4013	Cedar
2.58*	3900	Cedar	2.00						2.00	0%		Construction Access	s -	s -	8 - < 19*	4014	Cedar
2-<8"	3901	Cedar Elm	2.50						2.50	0%		Construction Access	s -	\$ -	2-<8	4015	Cedar
2-<8*	3902	Cedar Elm	2.00						2.00	0%		Construction Access	\$ -	\$ -	2-<8"	4016	Cedar
2-<8"	3903	Yaupon Holly	2.50	2.0					3.50	0%	-	To Remain	s -	\$ -	2 - < 8"	4017	Cedar
2-<8"	3904	Yaupon Holly	2.00						2.00	0%		To Remain	\$ -	\$ -	2-<8	4018	Spanish Oak
8 - < 19*	3905	Cedar Elm	13.00						13.00	0%	-	To Remain	\$ -	\$ -	8 - < 19"	4019	Cedar
2 - < 8"	3906	Cedar	3.50						3.50	0%		Construction Access	\$ -	\$-	8 - < 19	4020	Cedar
2-<8*	3907	Cedar	2.00						2.00	0%		Construction Access	\$ -	\$ -	2-<8"	4021	Cedar
2 - < 8"	3908	Gum Bumelia	2.50						2.50	0%		Construction Access	\$ -	\$ -	2 - < 8*	4022	
2-<8"	3909	Cedar	2.50						2.50	0%		Construction Access	\$-	\$-	2-<8"	4023	
2-<8*	3910	Cedar Elm	3.00						3.00	0%		Construction Access	\$ -	\$-	B-< 19"	4024	
2 . < 8"	3911	Cedar	3.50						3.50	0%	-	Construction Access	\$-	\$-	2 - < 8*	4025	
2-<8"	3912	Cedar	3.00						3.00	0%		To Remain	\$-	\$ -	2 - < 8"	4026	
2-<8*	3913	Cedar	2.00						2.00	0%		To Remain	\$ -	\$-	2-<8"	4027	Spanish Oak
2 + < 8*	3914	Cedar	2.50						2.50	0%		Construction Access	\$ -	\$-	2 < 8"	4028	
5 - < 8,	3915		2.50						2.50	0%		Construction Access	\$ -	\$ -	19-<24	4029	
2-<8"	3916		3.50						3.50	0%		To Remain	\$ -	\$ -	2-+8"	4030	
2 - < 8"	3917		4.00			L	L		4.00	0%		To Remain	\$ -	\$ -	2 - < 8"	4031	
2-<8*	3918		2.00	1.0		L			2.50	0%		To Remain	\$ -	\$ -	8 - < 19*	4032	
2 - < 8*	3919	Cedar	3.50						3.50	0%		To Remain	\$ -	\$ -	2-<8	4033	
2 - < 8*	3920	Cedar	5.00	2.0					5.00	0%	- 2.25	To Remain	\$ -	\$ - \$ 450.00	2 - < 8"	4034	
2 - < 8*	3921 3922	Cedar Cedar	3.50	2.0	2.0				4.50	50% 50%	2.25	Construction Access	\$ 200.00 \$ 200.00	\$ 450.00 \$ 550.00	2 - < 8"	4035	
2-<8"	3922	Cedar	3.50	2.0	2.0	-			4.50	0%	2./5	Construction Access	\$ 200.00	\$ 550.00	2 - < 8" 2 - < 8"	4036	
2.<8"		Cedar	4.50						4.50	0%		To Remain	s -	s - s -	R-<19*		Cedar
2-58	3924	Logoal	2.50			1	1		2.50	0%		Construction Access	- s	ə -	n - < 19.	4038	losgat

MCGRAY CONDUCTED THE SURVEY IN DECEMBER 2018.

CALIPER INCHES)	REPLACEMENT		REASON FOR	REPLACEMENT	MITIGATION VALUE					305 E. Huntland Drive Suite 200	Austin, Texas 78752 p: 512.453.0767 f: 512.453.1734 MWM#: 023-77D
3.00	FACTOR 0%	INCHES REQUIRED	REMOVAL/MITIGATION Construction Access Construction Access	VALUE	\$ - \$ -			;	Ó.	. Huntlar 200	Austin, Texas 787 p: 512:453.076 f: 512:453.173 f: 512:453.173 MWM#: 023-77D
2.50 3.00	0% 0%		To Remain Construction Access	\$ - \$ -	\$ - \$ -				0	305 E Suite	Austi F: MWM
3.50 2.00 2.00	0% 0% 0%		Construction Access Construction Access Construction Access	\$ - \$ -	\$ - \$ -				Ĵ		
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6.00 2.75 2.50	50% 0%	3.00	Construction Access Construction Access To Remain	\$ 200.00 \$ -	\$ 600.00 \$ -			112	Desig		
2.00 3.25	0% 0%	-	Construction Access Construction Access	s - s -	\$ - \$ -		5 4	2	2		
4.50 7.25 4.50	50% 50% 0%	2.25 3.63	Construction Access Construction Access To Remain	\$ 200.00 \$ 200.00 \$ -	\$ 450.00 \$ 725.00 \$ -		Ē				
4.00 5.50 2.00	50% 50% 0%	2.00	Construction Access Construction Access Construction Access	\$ 200.00 \$ 200.00 \$ -	\$ 400.00 \$ 550.00 \$ -						
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15.00 3.00	50% 0%	7.50	Construction Access Construction Access	\$ 200.00 \$ -	\$ 1,500.00 \$ -		1	OED	LAND	SCAR	AN
9.75 8.00 5.50	50% 50% 50%	4.88 4.00 2.75	Construction Access Construction Access Construction Access	\$ 200.00 \$ 200.00 \$ 200.00	\$ 975.00 \$ 800.00 \$ 550.00		AS	Dall Bar	03.0	AZA	NE S
2.50 14.50 10.25	0% 50% 50%	- 7.25 5.13	Construction Access Construction Access Construction Access	\$ - \$ 200.00 \$ 200.00	\$ - \$ 1,450.00 \$ 1,025.00				V	T	
5.50 3.00	50% 0%	2.75	Construction Access Dam Construction	\$ 200.00 \$ - \$ 200.00	\$ 550.00 \$		88	2	78	71	ת
5.50 4.00 6.00	50% 50% 50%	2.75 2.00 3.00	Construction Access Dam Construction Construction Access	\$ 200.00 \$ 200.00 \$ 200.00	\$ 550.00 \$ 400.00 \$ 600.00		2	10	E O June	no	23
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10.50	50%	5.25	Construction Access	\$ 200.00	\$ 1,050.00		PAR <sup>-</sup>	i	2		2
TOTAL				1			I DEI		Ы	ā	_
CALIPER INCHES) 9.00	REPLACEMENT FACTOR 50%	REPLACEMENT INCHES REQUIRED 4.50	REASON FOR REMOVAL/MITIGATION Dam Construction	REPLACEMENT VALUE \$ 200.00	MITIGATION VALUE		AUSTIN WATERSHED PROTECTION DEPARTMEN	~	MPASAS #3 DAM MODERNIZATION	RFPI ACEMEN	
9.50 5.25 10.50	50% 50% 50%	4.75 2.63 5.25	Dam Construction Dam Construction	\$ 200.00			DTEC	CREEK	2		$\cup$
7.25	0% 0%	-	Dam Construction To Remain To Remain	\$ 200.00 \$ - \$ -	\$ - \$ -		BR G	<u>ב</u> י	≥	MITIGATION AND	
11.75 9.00 2.00	0% 0% 0%	-	To Remain To Remain To Remain	\$ - \$ - \$ -	\$ - \$ - \$ -		E .			$\triangleleft$	, Ц С
8.00 4.00 10.75	0% 0%	-	To Remain To Remain	s - s -	\$ - \$ -		ERS	BUL	£	Z	
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7:50 6:50 6:50 7:50 8:50 8:50 8:75 8:75 8:75 8:75 8:75 8:75 8:75 8:75	0% 0% 0% 0% 0% 0% 0% 0% 0% 0% 0% 0% 0% 0		To Remain To Remain	§         -           §         -           §         -           \$         -	\$         -           \$         -	TTAL	BY DATE FAWIOB NO. AU311230	DATE		I S C C C C C C C C C C C C C C C C C C	FILE NAME CHECKED
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MULTI-TRUNK

4.0 3.5

SINGLE TRUNK

9.0

3.0 2.0 3.0

4.5 4.5 4.0 3.5 3.5

5.00 4.50 8.00 6.50 5.00 6.00

4.5 5.5 3.5 1.0 6.0 3.5 1.5 14.0

COA CASE NO. SP-2022-0558D FILED ON NOVEMBER 23, 2022

Color Coding Legend
Existing Trees 2 - < 8" Caliper
Existing Trees 8 - < 19" Caliper
Existing Trees 19 - < 24" Caliper
Existing Trees 24"+ Caliper
Existing Trees 30"+ Caliper

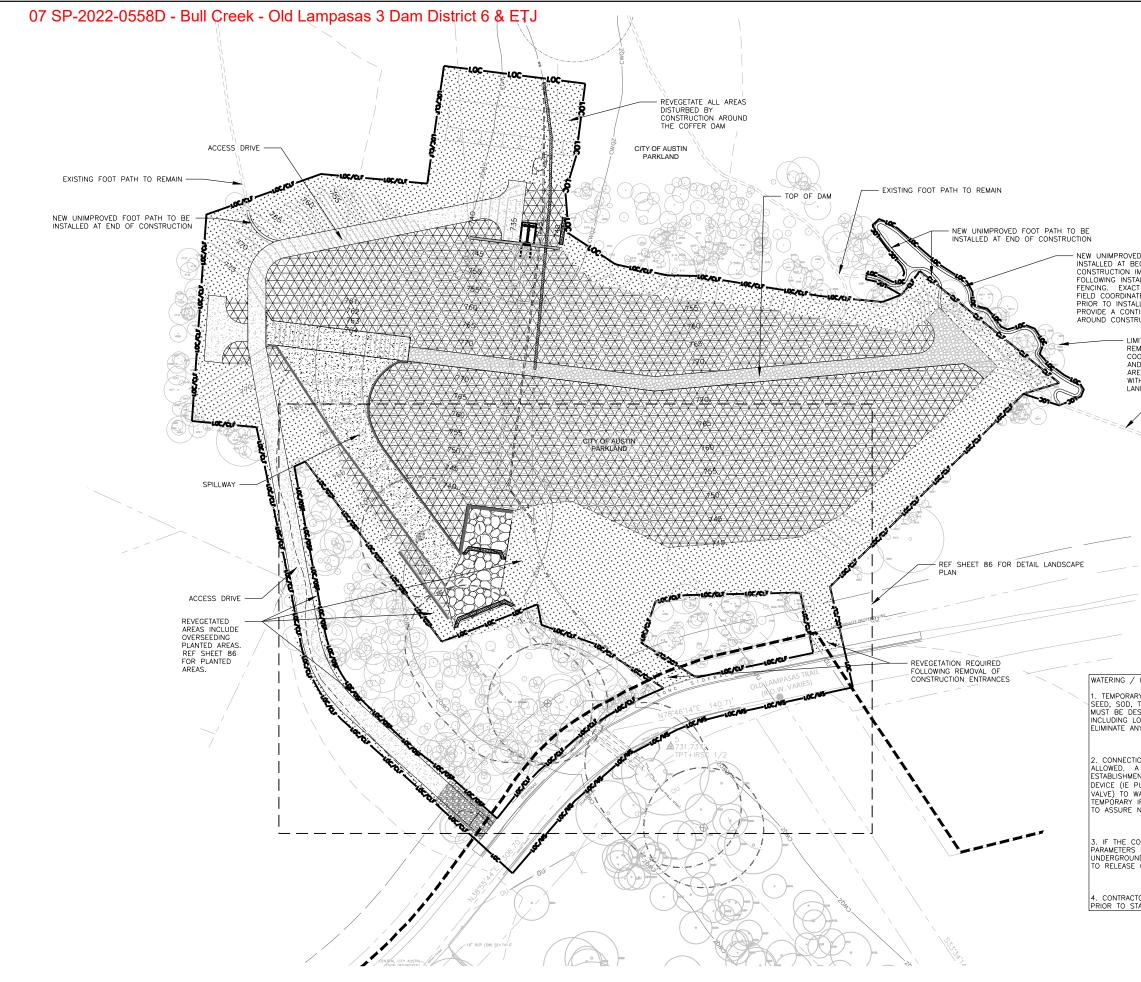
Size Category	TREE TAG	TREE TYPE	SINGLE TRUNK		N	IULTI-TRUN	ĸ	TOTAL CALIPER (INCHES)	REPLACEMENT FACTOR	REPLACEMENT INCHES REQUIRED	REASON FOR REMOVAL/MITIGATION	REPLACEMENT VALUE	MITIGATION VALUE
2-<8* 2-<8*		Spanish Oak Rusty Blackhaw	5.00 2.50	2.5	1.5			5.00 4.50	0% 25%	-	To Remain Construction Access	\$ - \$ 200.00	\$ - \$ 225.00
2-<8"	4041	Cedar	5.00	4.0				7.00	50%	3.50	Construction Access	\$ 200.00	\$ 700.00
2-<8" B-<19"		Cedar Spanish Oak	2.00 6.50	6.0				2.00 9.50	0% 50%	- 4.75	Dam Construction Dam Construction	\$ 200.00	\$ 950.00
2-<8"	4044	Cedar	2.50					2.50	0%	-	Dam Construction	\$ -	s -
2.<8"	4045 4046		2.50 8.50					2.50 8.50	0% 50%	- 4.25	Dam Construction Dam Construction	\$ - \$ 200.00	\$ -
2-<8"	4047	Spanish Oak	6.00					6.00	50%	3.00	Construction Access	\$ 200.00	\$ 600.00
2.<8"		Cedar Yaupon Holly	4.00	3.5 1.5	3.0			2.75	50%	3.63	Construction Access Construction Access	\$ 200.00	\$ 725.00
2-<8*	4050	Spanish Oak	6.00					6.00	50%	3.00	Construction Access	\$ 200.00	\$ 600.00
2 < 8"	4051 4052	Yaupon Holly	2.50	1.5				3.25	0%		Construction Access Construction Access	\$ -	\$ -
2.<8"	4052	Cedar	2.50	2.0				3.50	0%		To Remain	ş -	\$ -
2-<8"	4054	Cedar	3.50					3.50	0%		To Remain	\$ -	s -
2-<8"	4055 4056	Spanish Oak Cedar	3.50 3.00	2.0				3.50 4.00	0%	-	To Remain To Remain	s - s -	s -
2 - < 8*	4057		6.00	3.5				7.75	0%		To Remain	\$ -	\$ -
2-<8"	4058 4059	Cedar	4.50 3.00	1.5				4.50	50%	2.25	Construction Access Construction Access	\$ 200.00	\$ 450.00
8-<19*		Spanish Oak	7.00	5.5				9.75	0%		To Remain	ş -	\$ -
2-<8"	4061		5.00	3.5				6.75	0%		To Remain To Remain	\$ - \$ .	s -
2-<8" 8-<19"	4062 4063		4.50	4.0	2.5			4.50	0%		To Remain	\$ - \$ -	\$ - \$ -
2-×8*	4064	Live Oak	6.00					6.00	0%		To Remain	\$ -	\$ -
2 - < 8'	4065 4066	Live Oak Cedar	3.50 6.00	2.0				4.50	0%		To Remain To Remain	\$ -	\$ .
2-<8"	4067		3.00	2.0	1.5			4.75	0%		To Remain	\$ -	\$ -
2 - < 8"	4068		4.50	2.5				5.75	50%	2.88	Construction Access	\$ 200.00	\$ 575.00
8-<19"	4069 4070	Spanish Oak Cedar	8.50 2.50					8.50	50% 0%	4.25	Construction Access To Remain	\$ 200.00 \$ -	\$ 850.00 \$ -
8 - < 19*	4071	Cedar	6.50	3.5	3.0	2.0		10.75	0%	-	To Remain	\$ -	\$ -
2-<8*	4072 4073		2.00	4.5				2.00	0%	-	To Remain To Remain	s - s	s -
B - < 19*	4074	Spanish Oak	6.00	4.5				8.50	50%	4.25	Construction Access	\$ 200.00	\$ 850.00
2-<8"	4075	Cedar	3.00					3.00	0%	-	Construction Access	s -	s -
2 - < 8"	4077	Live Oak Live Oak	2.00 3.00					2.00 3.00	0% 0%	-	Construction Access Construction Access	» - \$ -	\$ -
2-<8*	4078	Cedar	3.50					3.50	0%	-	Construction Access	\$-	\$ -
2 - < 8"	4079 4080	Cedar Cedar	5.00	2.5				6.25	50%	3.13	Construction Access Construction Access	\$ 200.00	\$ 625.00
2-<8*	4081	Cedar	4.50	4.5				6.75	0%		To Remain	\$	\$ -
2-<8"	4082		4.00	4.0				6.00	50%	3.00	Construction Access	\$ 200.00	\$ 600.00
2-<8"	4083 4084	Spanish Oak Cedar	7.00					7.00	50%	3.50	Construction Access Construction Access	\$ 200.00	\$ 700.00
8 < 19*	4085	Spanish Oak	5.50	5.0				8.00	0%	-	To Remain	\$ -	\$ -
2 - < 8"		Cedar Cedar	6.50 4.00	3.0				6.50 5.50	0%	-	To Remain To Remain	\$ - \$ .	\$ - \$
2.<8"	4088	Cedar	4.00	3.5	3.0			7.25	0%		To Remain	\$ -	\$ -
2-<8"	4089	Spanish Oak	6.00					6.00	0%	-	To Remain	\$ -	s -
2-<8*	4090 4091	Cedar Spanish Oak	4.00	3.5				5.75	50% 50%	2.88	Construction Access Construction Access	\$ 200.00 \$ 200.00	\$ 575.00 \$ 550.00
			3.50	2.5				4.75	50%	2.38	Construction Access	\$ 200.00	\$ 475.00
2-<8"		Cedar										\$ 200.00	\$ 500.00
2-<8" 2-<8"	4093	Cedar	5.00	3.5				5.00	50%	2.50	Construction Access		
2-<8"		Cedar Cedar	5.00 4.00 4.50	3.5				5.00 5.75 4.50	50% 50% 50%	2.50 2.88 2.25	Construction Access Construction Access	\$ 200.00 \$ 200.00	\$ 575.00 \$ 450.00
2 - < 8* 2 - < 8* 2 - < 8* 2 - < 8*	4093 4094 4095	Cedar Cedar	4.00 4.50 SINGLE	3.5		IULTI-TRUN	ĸ	5.75 4.50 TOTAL CALIPER	50% 50% REPLACEMENT	2.88 2.25 REPLACEMENT	Construction Access Construction Access REASON FOR	\$ 200.00 \$ 200.00 REPLACEMENT	\$ 575.00
2 - < 8* 2 - < 8* 2 - < 8* 2 - < 8* 2 - < 8*	4093 4094 4095 TREE TAG	Cedar Cedar Cedar TREE TYPE	4.00 4.50 SINGLE TRUNK	3.5	N	IULTI-TRUN	ĸ	5.75 4.50 TOTAL CALIPER (INCHES)	50% 50% REPLACEMENT FACTOR	2.88 2.25	Construction Access Construction Access REASON FOR REMOVAL/MITIGATION	\$ 200.00 \$ 200.00	\$ 575.00 \$ 450.00
2 - < 8* 2 - < 8* 2 - < 8* 2 - < 8*	4093 4094 4095 TREE TAG	Cedar Cedar Cedar TREE TYPE Cedar	4.00 4.50 SINGLE	3.5		IULTI-TRUN	K	5.75 4.50 TOTAL CALIPER	50% 50% REPLACEMENT	2.88 2.25 REPLACEMENT	Construction Access Construction Access REASON FOR	\$ 200.00 \$ 200.00 REPLACEMENT	\$ 575.00 \$ 450.00
2 - < 8" 2 - < 8"	4093 4094 4095 TREE TAG 4096 4097 4098	Cedar Cedar Cedar TREE TYPE Cedar Cedar Cedar Spanish Oak	4.00 4.50 SINGLE TRUNK 3.50 5.50 3.00			IULTI-TRUN	K	5.75 4.50 TOTAL CALIPER (INCHES) 3.50 7.25 3.00	50% 50% REPLACEMENT FACTOR 0% 50%	2.88 2.25 REPLACEMENT INCHES REQUIRED	Construction Access Construction Access REASON FOR REMOVAL/MITIGATION Construction Access Construction Access	\$ 200.00 \$ 200.00 REPLACEMENT VALUE \$ -	\$ 575.00 \$ 450.00 MITIGATION VALUE \$ -
$2 - < 8^{+}$ $2 - < 8^{+}$ $2 - < 8^{+}$ $2 - < 8^{+}$ ize Category $2 - < 8^{+}$ $2 - < 8^{+}$ $2 - < 8^{+}$ $2 - < 8^{+}$ $2 - < 8^{+}$	4093 4094 4095 <b>TREE</b> <b>TAG</b> 4096 4097 4098 4099	Cedar Cedar Cedar TREE TYPE Cedar Cedar Spanish Oak Cedar	4.00 4.50 SINGLE TRUNK 3.50 5.50			IULTI-TRUN	K	5.75 4.50 TOTAL CALIPER (INCHES) 3.50 7.25	50% 50% REPLACEMENT FACTOR 0% 50%	2.88 2.25 REPLACEMENT INCHES REQUIRED	Construction Access Construction Access REASON FOR REMOVAL/MITIGATION Construction Access Construction Access Construction Access	\$ 200.00 \$ 200.00 \$ 200.00 \$ 200.00 \$ - \$ 200.00 \$ - \$ - \$ -	\$ 575.00 \$ 450.00 MITIGATION VALUE \$ -
$\begin{array}{c} 2 - < 8^{*} \\ 2 < 8^{*} \\ 2 - < 8^{*} \\ 2 - < 8^{*} \\ 3 - < 8^{*} \end{array}$	4093 4094 4095 <b>TREE</b> <b>TAG</b> 4096 4097 4098 4099 4100 4101	Cedar Cedar Cedar TREE TYPE Cedar Cedar Spanish Oak Cedar Cedar Cedar Cedar	4.00 4.50 SINGLE TRUNK 3.50 5.50 3.00 3.50 4.50 3.00		M	IULTI-TRUN	K	5.75 4.50 TOTAL CALIPER (INCHES) 3.50 7.25 3.00 3.50 4.50 3.00	50% 50% REPLACEMENT FACTOR 0% 0% 0% 0% 0%	2.88 2.25 REPLACEMENT INCHES REQUIRED - - - 2.25 - - - - - -	Construction Access Construction Access REASON FOR REMOVAL/MITIGATION Construction Access Construction Access Construction Access Dam Construction Dam Construction	\$ 200.00 \$ 200.00 \$ 200.00 \$ 200.00 \$ - \$ - \$ 200.00 \$ - \$ - \$ - \$ 200.00 \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ -	\$ 575.00 \$ 450.00 MITIGATION VALUE \$ - \$ 725.00 \$ - \$ 450.00 \$ -
$\begin{array}{c} 2 - < 8^n \\ 2 < < 8^n \\ 2 - < 8^n \\ 2 - < 8^n \\ 3 - < 8^n \end{array}$	4093 4094 4095 <b>TREE</b> <b>TAG</b> 4096 4097 4098 4099 4100 4101 4102	Cedar Cedar Cedar Cedar Cedar Cedar Cedar Cedar Cedar Cedar Cedar Cedar Cedar Cedar	4.00 4.50 SINGLE TRUNK 3.50 5.50 3.00 3.50 4.50 4.50 8.50		N		K	5.75 4.50 TOTAL CALIPER (INCHES) 3.50 7.25 3.00 3.50 4.50 3.00 8.50	50% 50% <b>REPLACEMENT</b> FACTOR 0% 50% 0% 50% 50%	2.88 2.25 REPLACEMENT INCHES REQUIRED	Construction Access Construction Access REASON FOR REMOVAL/MITGATION Construction Access Construction Access Construction Access Construction Access Construction Access Dear Construction Dear Construction	\$ 200.00 \$ 200.00 \$ 200.00 \$ 200.00 \$ - \$ 200.00 \$ - \$ - \$ -	\$ 575.00 \$ 450.00 MITIGATION VALUE \$ - \$ 725.00 \$ - \$ - \$ -
$\begin{array}{c} 2 - < 8^{*} \\ 2 < < 8^{*} \\ 2 - < 8^{*} \\ 2 - < 8^{*} \end{array}$	4093 4094 4095 <b>TREE</b> <b>TAG</b> 4096 4097 4098 4099 4100 4101 4102 4103 4104	Cedar Cedar Cedar Cedar Cedar Spanish Oak Cedar Cedar Cedar Cedar Cedar Cedar Cedar	4.00 4.50 SINGLE TRUNK 3.50 5.50 3.00 3.50 3.00 8.50 3.00 6.00		W	IULTI-TRUN	K	5.75 4.50 TOTAL CALIPER (INCHS) 3.50 7.25 3.00 3.50 4.50 3.00 8.50 3.00 8.50	50% 50% <b>REPLACEMENT</b> FACTOR 0% 50% 0% 50% 50% 50% 50%	2.88 2.25 REPLACEMENT INCHES REQUIRED - - - 2.25 - - - - - -	Construction Access Construction Access REASON FOR REMOVAL/MITGATION Construction Access Construction Access Construction Access Construction Access Construction Access Construction Access Dam Construction Dam Construction Dam Construction Dam Construction	\$ 200.00 \$ 200.00 \$ 200.00 \$ 200.00 \$ - \$ - \$ 200.00 \$ - \$ - \$ - \$ 200.00 \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ -	\$ 575.00 \$ 450.00 MITIGATION VALUE \$ - \$ 725.00 \$ - \$ 450.00 \$ - \$ 450.00 \$ - \$ - \$ 8 - \$ - \$ 885.00 \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ -
$\begin{array}{c} 2 - < 8^{*} \\ 2 - < 8^{*} \\ 2 - < 8^{*} \\ 2 - < 8^{*} \\ 2 - < 8^{*} \\ 2 - < 8^{*} \\ 2 - < 8^{*} \\ 2 - < 8^{*} \\ 2 - < 8^{*} \\ 2 - < 8^{*} \\ 2 - < 8^{*} \\ 2 - < 8^{*} \\ 2 - < 8^{*} \\ 2 - < 8^{*} \\ 2 - < 8^{*} \\ 2 - < 8^{*} \\ 2 - < 8^{*} \\ 2 - < 8^{*} \\ 2 - < 8^{*} \\ 2 - < 8^{*} \\ 2 - < 8^{*} \\ 2 - < 8^{*} \\ 2 - < 8^{*} \\ 2 - < 8^{*} \\ 2 - < 8^{*} \\ 2 - < 8^{*} \\ 2 - < 8^{*} \\ 2 - < 8^{*} \\ 2 - < 8^{*} \\ 2 - < 8^{*} \\ 2 - < 8^{*} \\ 2 - < 8^{*} \\ 2 - < 8^{*} \\ 2 - < 8^{*} \\ 2 - < 8^{*} \\ 2 - < 8^{*} \\ 2 - < 8^{*} \\ 2 - < 8^{*} \\ 2 - < 8^{*} \\ 2 - < 8^{*} \\ 2 - < 8^{*} \\ 2 - < 8^{*} \\ 2 - < 8^{*} \\ 2 - < 8^{*} \\ 2 - < 8^{*} \\ 2 - < 8^{*} \\ 2 - < 8^{*} \\ 2 - < 8^{*} \\ 2 - < 8^{*} \\ 2 - < 8^{*} \\ 2 - < 8^{*} \\ 2 - < 8^{*} \\ 2 - < 8^{*} \\ 2 - < 8^{*} \\ 2 - < 8^{*} \\ 2 - < 8^{*} \\ 2 - < 8^{*} \\ 2 - < 8^{*} \\ 2 - < 8^{*} \\ 2 - < 8^{*} \\ 2 - < 8^{*} \\ 2 - < 8^{*} \\ 2 - < 8^{*} \\ 2 - < 8^{*} \\ 2 - < 8^{*} \\ 2 - < 8^{*} \\ 2 - < 8^{*} \\ 2 - < 8^{*} \\ 2 - < 8^{*} \\ 2 - < 8^{*} \\ 2 - < 8^{*} \\ 2 - < 8^{*} \\ 2 - < 8^{*} \\ 2 - < 8^{*} \\ 2 - < 8^{*} \\ 2 - < 8^{*} \\ 2 - < 8^{*} \\ 2 - < 8^{*} \\ 2 - < 8^{*} \\ 2 - < 8^{*} \\ 2 - < 8^{*} \\ 2 - < 8^{*} \\ 2 - < 8^{*} \\ 2 - < 8^{*} \\ 2 - < 8^{*} \\ 2 - < 8^{*} \\ 2 - < 8^{*} \\ 2 - < 8^{*} \\ 2 - < 8^{*} \\ 2 - < 8^{*} \\ 2 - < 8^{*} \\ 2 - < 8^{*} \\ 2 - < 8^{*} \\ 2 - < 8^{*} \\ 2 - < 8^{*} \\ 2 - < 8^{*} \\ 2 - < 8^{*} \\ 2 - < 8^{*} \\ 2 - < 8^{*} \\ 2 - < 8^{*} \\ 2 - < 8^{*} \\ 2 - < 8^{*} \\ 2 - < 8^{*} \\ 2 - < 8^{*} \\ 2 - < 8^{*} \\ 2 - < 8^{*} \\ 2 - < 8^{*} \\ 2 - < 8^{*} \\ 2 - < 8^{*} \\ 2 - < 8^{*} \\ 2 - < 8^{*} \\ 2 - < 8^{*} \\ 2 - < 8^{*} \\ 2 - < 8^{*} \\ 2 - < 8^{*} \\ 2 - < 8^{*} \\ 2 - < 8^{*} \\ 2 - < 8^{*} \\ 2 - < 8^{*} \\ 2 - < 8^{*} \\ 2 - < 8^{*} \\ 2 - < 8^{*} \\ 2 - < 8^{*} \\ 2 - < 8^{*} \\ 2 - < 8^{*} \\ 2 - < 8^{*} \\ 2 - < 8^{*} \\ 2 - < 8^{*} \\ 2 - < 8^{*} \\ 2 - < 8^{*} \\ 2 - < 8^{*} \\ 2 - < 8^{*} \\ 2 - < 8^{*} \\ 2 - < 8^{*} \\ 2 - < 8^{*} \\ 2 - < 8^{*} \\ 2 - < 8^{*} \\ 2 - < 8^{*} \\ 2 - < 8^{*} \\ 2 - < 8^{*} \\ 2 - < 8^{*} \\ 2 - < 8^{*} \\ 2 - < 8^{*} \\ 2 - < 8^{*} \\ 2 - < 8^{*} \\ 2 - < 8^{$	4093 4094 4095 4095 4096 4097 4098 4099 4100 4101 4101 4102 4103 4104 4105	Cedar Cedar Cedar Cedar Cedar Cedar Cedar Cedar Cedar Cedar Cedar Cedar Cedar Cedar Cedar Cedar Cedar Cedar	4.00 4.50 SINGLE TRUNK 3.50 5.50 3.00 4.50 3.00 8.50 3.00 8.50 3.00 6.00 0 2.00	3.5			K	5.75 4.50 TOTAL CALIPER (INCHES) 3.50 7.25 3.00 3.50 4.50 3.00 8.50 3.00 8.50 3.00 2.00	50% 50% <b>REPLACEMENT</b> <b>FACTOR</b> 0% 50% 0% 50% 50% 0% 50% 0%	2.88 2.25 REPLACEMENT INCHES REQUIRED - - - - - - - - - - - - - - - - - - -	Construction Access Construction Access REASON FOR REMOVAL/MITIGATION Construction Access Construction Access Construction Access Construction Access Construction Access Dam Construction Dam Construction Dam Construction Dam Construction Dam Construction Dam Construction	\$ 200.00 \$ 200.00 <b>REPLACEMENT</b> VALUE \$ \$ 200.00 \$ \$ 200.00 \$ \$ \$ 200.00 \$ \$ \$ 200.00 \$ \$ \$ \$ 200.00 \$ \$ \$ \$ 200.00 \$	\$ 575.00 \$ 450.00 MITIGATION VALUE \$ - \$ 725.00 \$ - \$ 450.00 \$ - \$ - \$ 850.00 \$ - \$ - \$ 850.00 \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ -
$\begin{array}{c} 2 < 8^{*} \\ 2 < 8^{*} \\ 2 < 8^{*} \\ 2 < 8^{*} \\ 2 - 4^{*} \\$	4093 4094 4095 TREE TAG 4096 4097 4098 4099 4100 4101 4102 4103 4104 4105 4105 4105	Cedar Cedar Cedar Cedar Cedar Cedar Cedar Cedar Cedar Cedar Cedar Cedar Cedar Cedar Cedar Cedar Cedar Cedar	4.00 4.50 SINGLE TRUNK 3.50 5.50 3.00 3.50 4.50 3.00 8.50 3.00 6.00 6.00 6.00 5.00	3.5	N		K	5.75 4.50 TOTAL CALIPER (INCHES) 3.50 7.25 3.00 3.50 4.50 3.00 8.50 3.00 8.50 2.00 5.00	50% 50% 7640000000000	2.88 2.25 REPLACEMENT INCHES REQUIED	Construction Access Construction Access REASON FOR REMOVAL/MITGATION Construction Access Construction Access Construction Access Construction Access Construction Access Dam Construction Dam Construction Dam Construction Dam Construction Dam Construction Dam Construction Dam Construction	\$ 200.00 \$ 200.00 <b>REPLACEMENT</b> VALUE \$ 200.00 \$ 200.00 \$ 200.00 \$ \$ 200.00 \$ \$ 200.00 \$ \$ 200.00 \$ \$ 200.00	\$         575.00           \$         450.00           MITIGATION VALUE         \$           \$         725.00           \$         725.00           \$         5           \$         5           \$         5           \$         5           \$         85000           \$         -           \$         \$           \$         \$           \$         \$           \$         \$           \$         \$           \$         \$           \$         \$           \$         \$           \$         \$           \$         \$
$\begin{array}{c} 2 < 8^{n} \\ 2 < 8^{n} \\ 2 < 8^{n} \\ 3 < 8^{n} \\ 2 - 8^{n} \\$	4093 4094 4095 TREE TAG 4096 4097 4098 4099 4100 4101 4102 4101 4101 4105 4107 4107 4108	Cedar Cedar Cedar Cedar Cedar Cedar Cedar Cedar Cedar Cedar Cedar Cedar Cedar Cedar Cedar Cedar Cedar Cedar Cedar	4.00 4.50 SINGLE TRUNK 3.50 5.50 3.00 4.50 3.00 8.50 3.00 8.50 3.00 0.2.00 4.00 5.00 6.50	3.5	M		K	5.75 4.50 TOTAL CALIPER (INCHES) 3.50 7.25 3.00 4.50 3.50 4.50 3.00 8.50 2.00 5.00 5.00 5.00	50% 50% FREPLACEMENT FACTOR 0% 50% 50% 50% 50% 50% 50% 50% 50%	2.88 2.25 INCHES REQUIRED	Construction Access Construction Access REASON FOR REMOVAL/MITGATION Construction Access Construction Access Construction Access Construction Access Dam Construction Dam Construction Dam Construction Dam Construction Dam Construction Dam Construction Dam Construction Construction Access Construction Access	\$ 200.00 \$ 200.00 \$ 200.00 <b>REPLACEMENT</b> <b>VALUE</b> \$ 200.00 \$ . \$ . \$ . \$ . \$ . \$ . \$ . \$ .	\$         575.00           \$         450.00           MITIGATION VALUE         \$           \$         725.00           \$         725.00           \$         5           \$         5           \$         5           \$         5           \$         85000           \$         -           \$         \$           \$         \$           \$         \$           \$         \$           \$         \$           \$         \$           \$         \$           \$         \$           \$         \$           \$         \$
$2 - < 8^{+}$ $2 - < 8^{+}$ 2 -	4093 4094 4095 7REE 7AG 4096 4097 4098 4099 4100 4101 4102 4103 4104 4102 4103 4104 4105 4107 4108 4109	Cedar Cedar Cedar Cedar Cedar Cedar Cedar Cedar Cedar Cedar Cedar Cedar Cedar Cedar Cedar Cedar Cedar Cedar Cedar Cedar	4.00 4.50 SINGLE TRUNK 3.50 5.50 3.00 3.50 4.50 3.00 8.50 3.00 6.00 6.00 6.00 5.00	3.5	N		K	5.75 4.50 TOTAL CALIPER (INCHES) 3.50 7.25 3.00 3.50 4.50 3.00 8.50 3.00 8.50 2.00 5.00	50% 50% 7640000000000	2.88 2.25 REPLACEMENT INCHES REQUIED	Construction Access Construction Access REASON FOR REMOVAL/MITGATION Construction Access Construction Access Construction Access Construction Access Construction Access Dam Construction Dam Construction Dam Construction Dam Construction Dam Construction Dam Construction Dam Construction	\$ 200.00 \$ 200.00 <b>REPLACEMENT</b> VALUE \$ 200.00 \$ 200.00 \$ 200.00 \$ \$ 200.00 \$ \$ 200.00 \$ \$ 200.00 \$ \$ 200.00	\$         575.00           \$         450.00           MITIGATION VALUE         \$           \$         725.00           \$         725.00           \$         5           \$         5           \$         5           \$         5           \$         85000           \$         -           \$         \$           \$         \$           \$         \$           \$         \$           \$         \$           \$         \$           \$         \$           \$         \$           \$         \$           \$         \$
$\begin{array}{c} 2 < < 8^{\circ} \\ 2 < < 8^{\circ} \\ 2 < < 8^{\circ} \\ 3 < < 8^{\circ} \\ 3 < < 8^{\circ} \\ 3 < < 8^{\circ} \\ 2 < < 8^{$	4093 4094 4095 TAG 4096 4097 4098 4099 4099 4100 4101 4102 4103 4104 4105 4107 4108 4109 4110 4111	Cedar Cedar	4.00 4.50 SINGLE TRUNK 3.50 3.00 3.50 3.00 4.50 3.00 6.00 2.00 4.00 4.00 5.00 6.50 2.50 7.00 3.00	3.5 5.0 2.0	N		K	5.75 4.50 TOTAL CALIPER (INCHS) 3.50 4.50 3.50 4.50 3.00 8.50 2.00 5.00 6.500 6.500 6.500 0.250 9.75 3.00	50% 50% 76708 76708 76% 50% 50% 50% 50% 50% 50% 50% 50% 50% 50	2.88 2.25 INCHES REQUIRED 	Construction Access Construction Access To Remain To Remain	\$ 200.00 \$ 200.00 <b>REPLACEMENT</b> VALUE \$ 200.00 \$ 200.00 \$ 200.00 \$ \$ 200.00 \$ \$ 200.00 \$ \$ 200.00 \$ \$ 200.00	\$         575.00           \$         450.00           MITIGATION VALUE         \$           \$         725.00           \$         725.00           \$         5           \$         5           \$         5           \$         5           \$         85000           \$         -           \$         \$           \$         \$           \$         \$           \$         \$           \$         \$           \$         \$           \$         \$           \$         \$           \$         \$           \$         \$
$\begin{array}{c} 2 < 4^n\\ 2 < 4^n\\ 2 < 8^n\\ 2 < 8$	4093 4094 4095 <b>TREE</b> <b>TAG</b> 4095 4099 4100 4101 4102 4102 4102 4102 4103 4104 4105 4107 4108 4109 4111	Cedar Cedar	4.00 4.50 SINGLE TRUNK 3.50 5.50 3.00 3.00 3.00 3.00 3.00 3.00	3.5 5.0 2.0			K	5.75 4.50 TOTAL CALIPER (INCHES) 3.50 7.25 3.00 4.50 3.00 8.50 3.00 8.50 2.00 5.00 5.00 5.00 5.00 5.00 5.00	50% 50% 50% 7ACTOR 7ACTOR 75% 50% 50% 50% 50% 50% 50% 50% 50% 50% 5	2.88 2.25 INCHES REQUIRED 	Construction Access Construction Access Construction Access Construction Access Construction Access Construction Access Construction Access Construction Access Dam Construction Dam Construction Dam Construction Dam Construction Dam Construction Dam Construction Dam Construction Construction Access Construction Access Construction Access Construction Access Construction Access Construction Access Construction Access To Remain To Remain To Remain	\$ 200.00 \$ 200.00 <b>REPLACEMENT</b> VALUE \$ 200.00 \$ 200.00 \$ 200.00 \$ \$ 200.00 \$ \$ 200.00 \$ \$ 200.00 \$ \$ 200.00	\$         575.00           \$         450.00           MITIGATION VALUE         \$           \$         725.00           \$         725.00           \$         5           \$         5           \$         5           \$         5           \$         85000           \$         -           \$         \$           \$         \$           \$         \$           \$         \$           \$         \$           \$         \$           \$         \$           \$         \$           \$         \$           \$         \$
$\begin{array}{c} 2 - < 2^n \\ 2 - < 2^n \\$	4093 4094 4095 7AG 4095 4099 4099 4100 4101 4102 4103 4104 4107 4108 4107 4108 4109 4110 4111 4112 4113 4114	Cedar Cedar	4.00 4.50 SINGLE TRUNK 3.50 5.50 3.00 3.50 3.00 6.00 4.00 6.00 6.00 6.00 6.00 6.00 6	3.5 5.0 2.0	2.5		K	5.75 4.50 TOTAL CALIPER (INCHES) 3.50 7.25 3.00 3.50 3.00 3.50 3.00 3.50 3.00 5.00 5	50% 50% 50% 8EPACEMENT 7ACTOR 0% 50% 50% 50% 50% 50% 50% 50% 50% 50%	2.88 2.25 INCHES REQUIRED 	Construction Access Construction Access Construction Access Construction Access Construction Access Construction Access Construction Access Construction Access Construction Access Dam Construction Dam Construct	\$ 200.00 \$ 200.00 <b>REPLACEMENT</b> VALUE \$ 200.00 \$ 200.00 \$ 200.00 \$ \$ 200.00 \$ \$ 200.00 \$ \$ 200.00 \$ \$ 200.00	\$         575.00           \$         450.00           MITIGATION VALUE         \$           \$         725.00           \$         725.00           \$         5           \$         5           \$         5           \$         5           \$         85000           \$         -           \$         \$           \$         \$           \$         \$           \$         \$           \$         \$           \$         \$           \$         \$           \$         \$           \$         \$           \$         \$
$\begin{array}{c} 2 - < 8^{\circ} \\ 2 - < 8^{$	4093 4094 4095 4095 4095 4096 4097 4098 4009 4100 4101 4102 4104 4103 4104 4107 4108 4107 4108 4107 4108 4109 4110 4111 4112 4113	Cedar Cedar Cedar TREE YYPE Cedar Spanish Oak Cedar Cedar Cedar Cedar Spanish Oak Cedar Cedar Cedar Cedar Spanish Oak Cedar Ce	4.00 4.50 SINGLE TRUNK 3.50 3.00 3.50 3.00 4.50 3.00 4.50 3.00 4.50 2.50 7.00 3.00 4.50 3.00 4.50 3.00 4.50 3.00 4.50 3.00 5.50 3.00 5.50 3.00 4.50	3.5 5.0 2.0			K	5.75 4.50 TOTAL CALIPER (INCHES) 3.50 7.25 3.00 3.50 4.50 3.00 8.50 3.00 5.50 5.50 5.50 4.50 5.50 4.50 5.50	50% 50% 50% FACTOR 7ACTOR 0% 50% 50% 50% 50% 50% 50% 50% 50% 50%	2.88 2.25 REPLACEMENT INCHES REQUIRED 	Construction Access Construction Access Construction Access Construction Access Construction Access Construction Access Construction Access Construction Access Construction Access Dom Construction Dam Construction Dam Construction Dam Construction Dam Construction Dam Construction Dam Construction Construction Access Construction Access Construction Access Construction Access Construction Access Construction Access To Remain To Remain To Remain To Remain	\$ 200.00 \$ 200.00 <b>REPLACEMENT</b> VALUE \$ - \$ 200.00 \$ - \$ - \$ 200.00 \$ - \$ - \$ - \$ 200.00 \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ -	\$         575.00           \$         450.00           MITIGATION VALUE         \$           \$         725.00           \$         725.00           \$         725.00           \$         725.00           \$         75.00           \$         850.00           \$         850.00           \$         5000.00           \$
$\begin{array}{c} 2 - < 2^n \\ 2 - < 2^n \\$	4093 4094 4095 705 4095 4095 4095 4096 4097 4100 4101 4102 4103 4104 4102 4103 4106 4107 4106 4107 4104 4107 4113 4114 4115 4116	Cedar Cedar Cedar TREE YYPE Cedar Spanish Oak Cedar Cedar Cedar Cedar Spanish Oak Cedar Cedar Cedar Cedar Spanish Oak Cedar Ce	4.00 4.50 SINGLE TRUNK 3.50 5.50 3.00 3.50 3.00 6.00 4.00 6.00 6.00 6.00 6.00 6.00 6	3.5 5.0 2.0			K	5.75 4.50 4.50 4.50 4.50 3.50 4.50 3.50 4.50 3.50 4.50 3.00 8.50 3.00 8.50 3.00 8.50 3.00 8.50 3.00 8.50 3.00 8.50 5.00 6.55 5.50 4.50 4.50 5.50 5.50 5.50 5.50 5	50% 50% 50% 74CTOR 74CTOR 75% 50% 50% 50% 50% 50% 50% 50% 50% 50%	2.88 2.25 INCHES REQUIRED 	Construction Access Construction Access Construction Access Construction Access Construction Access Construction Access Construction Access Construction Access Construction Access Dam Construction Dam Construct	\$ 200.00 \$ 200.00 <b>REPLACEMENT</b> VALUE \$ - \$ 200.00 \$ 200.00 \$ 200.00 \$ 200.00 \$ 200.00 \$ 200.00 \$ 200.00 \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ -	\$         575 00           \$         450.00           MITIGATION VALUE         \$           \$         -           \$         -           \$         -           \$         -           \$         -           \$         -           \$         -           \$         -           \$         -           \$         500.00           \$         -           \$         500.00           \$         -           \$         -           \$         -           \$         -           \$         -           \$         -           \$         -           \$         -           \$         -           \$         -           \$         -           \$         -           \$         -           \$         -           \$         -           \$         -           \$         -           \$         -           \$         -      \$         -           \$
$\begin{array}{c} 2 - < 4^{\circ}, \\ 2 - < 4^{\circ}, \\$	4093 4094 4095 TREE TAG 4095 4097 4097 4097 4097 4097 4097 4097 4101 4102 4103 4104 4107 4104 4105 4109 4109 4110 4112 4113 4114 4117 4118	Cedar Cedar	4.00 4.50 3.50 3.50 3.50 3.00 4.50 3.00 4.50 3.00 2.50 6.00 5.50 4.50 2.50 5.50 3.00 5.50 4.50 5.50 3.00 5.50 3.00 5.50 3.30 5.50 3.30 5.50 5.5	3.5 3.5 5.0 2.0 3.0 3.0 3.5 3.0	2.5		K	5.75 4.50 70TAL CALPER (INCHES) 3.50 7.25 3.00 8.50 4.50 8.50 8.50 6.50 9.75 3.00 6.50 9.75 3.00 6.50 9.75 5.50 6.75 5.50 6.75 5.50	50% 50% 50% 8EPACEMENT 7ACTOR 0% 50% 50% 50% 50% 50% 50% 50% 50% 50%	2.88 2.25 REPLACEMENT INCHES REQUIRED 3.63 - - 2.50 - 2.50 - 2.50 - 2.50 - 3.25 - - - - - - - - - - - - - - - - - - -	Construction Access Construction Access Construction Access EMOVAL/MITGATION Construction Access Construction Access Construction Access Construction Access Construction Access Dam Construction Dam Construction Dam Construction Dam Construction Dam Construction Access Construction Access Construction Access Construction Access Construction Access Construction Access To Remain To Remain To Remain To Remain To Remain To Remain To Remain To Remain To Remain	\$ 200.00 \$ 200.00 <b>REPLACEMENT</b> VALUE \$ - \$ 200.00 \$ - \$ 200.00 \$ - \$ 200.00 \$ - \$ 200.00 \$ - \$ 200.00 \$ - \$ - \$ 200.00 \$ - \$ - \$ 200.00 \$ - \$ - \$ - \$ 200.00 \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ -	\$         575.00           \$         450.00           MITIGATION VALUE         \$           \$         725.00           \$         725.00           \$         725.00           \$         725.00           \$         725.00           \$         725.00           \$         -           \$         850.00           \$         -           \$         5000.00           \$         -      \$         - </td
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2c# 2c#	4093 4094 4095 7AG 4095 4099 4099 4009 4009 4009 4100 4101 4102 4102 4103 4104 4105 4102 4103 4104 4111 4112 4112 4120 4121	Cedar Cedar	4.00 4.50 3.50 3.50 3.50 3.50 3.50 3.50 4.50 4.50 5.50 5.50 5.50 5.50 5.50 5	3.5 3.5 5.0 2.0 3.0 3.0 3.5 3.0	2.5		K	5.75 4.50 TOTAL CALIPER (INCHES) 3.50 7.25 3.00 3.50 3.50 3.50 3.50 3.00 5.00 5.0	50% 50% 50% 70% 70% 50% 50% 50% 50% 50% 50% 50% 50% 50% 5	2.88 2.25 REPLACEMENT INCHES REQUIRED 	Construction Access Construction Access Construction Access REASON FOR REMOVAL/MITGATION Construction Access Construction Access Construction Access Construction Access Construction Access Dam Construction Dam Construction Dam Construction Dam Construction Dam Construction Construction Access Construction Con	\$ 200.00 \$ 200.00 \$ 200.00 <b>REPLACEMENT</b> <b>VALUE</b> \$ - \$ 200.00 \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ -	\$         575 00           \$         450.00           MITIGATION VALUE         \$           \$         725.00           \$         725.00           \$         725.00           \$         725.00           \$         75.00           \$         75.00           \$         500.00           \$         500.00           \$         500.00           \$         500.00           \$         500.00           \$         500.00           \$         500.00           \$         500.00           \$         500.00           \$         500.00           \$         757.00           \$         757.00
$\begin{array}{c} 2 - c + 0^{2} \\ 2 - c +$	4093 4094 4095 7AG 4095 4099 4099 4009 4009 4009 4100 4101 4102 4102 4103 4104 4105 4102 4103 4104 4111 4112 4112 4120 4121	Cedar Cedar TREE TYPE Cedar Ce	4.00 4.50 300 5.50 3.00 3.00 3.00 3.00 3.00 3.	3.5 3.5 5.0 2.0 3.0 3.0 3.5 3.0	2.5		K	5.75 4.50 TOTAL CALIPER (INCHES) 3.50 7.25 3.00 3.50 3.00 3.50 3.00 3.00 5.00 5.0	50% 50% 50% 74CTOR 76CTOR 75% 50% 50% 50% 50% 50% 50% 50% 50% 50% 5	2.88 2.25 REPLACEMENT INCHES REQUIRED 	Construction Access Construction Access Construction Access Construction Access Construction Access Construction Access Construction Access Construction Access Construction Access Dam Construction Dam Construction Dam Construction Dam Construction Dam Construction Dam Construction Dam Construction Construction Access Construction Access To Remain To Remain To Remain To Remain To Remain Construction Access Construction Access	\$ 200.00 \$ 200.00 \$ 200.00 <b>REPLACEMENT</b> <b>VALUE</b> \$ - \$ 200.00 \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ -	\$         575 00           \$         450.00           MITIGATION VALUE         \$           \$         725.00           \$         725.00           \$         725.00           \$         725.00           \$         75.00           \$         75.00           \$         500.00           \$         500.00           \$         500.00           \$         500.00           \$         500.00           \$         500.00           \$         500.00           \$         500.00           \$         500.00           \$         500.00           \$         757.00           \$         757.00
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2 - c4 <sup>2</sup> 2 - c4 <sup>2</sup>	4093 4094 4095 4095 4095 4095 4097 4096 4097 4098 4099 4100 4101 4102 4103 4104 4103 4104 4103 4104 4103 4104 4103 4104 4103 4104 4103 4104 4103 4104 4103 4104 4103 4104 4112 4112 4112 4112 4112 4112 4112	Cedar Cedar	400 450 300 500 500 500 500 500 500 500 500 5	3.5 3.5 5.0 2.0 3.0 3.0 3.5 3.0	2.5	3.0	K	5.75 5 4.50 TOTAL CAUPER (INCHS) 3.30 3.30 3.30 3.30 3.30 3.30 3.30 3.3	50% 50% 50% 74CTOR 76CTOR 75% 50% 50% 50% 50% 50% 50% 50% 50% 50% 5	2.88 2.25 REPLACEMENT INCHES REQUIRED 	Construction Access Construction Access Construction Access Construction Access Construction Access Construction Access Construction Access Construction Access Construction Access Construction Access Dam Construction Dam Construction Dam Construction Dam Construction Dam Construction Dam Construction Dam Construction Dam Construction Construction Access Construction Access	\$ 200.00 \$ 200.00 \$ 200.00 <b>REPLACEMENT</b> <b>VALUE</b> \$ - \$ 200.00 \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ -	\$         575 00           \$         450.00           MITIGATION VALUE         \$           \$         725.00           \$         725.00           \$         725.00           \$         725.00           \$         75.00           \$         75.00           \$         500.00           \$         500.00           \$         500.00           \$         500.00           \$         500.00           \$         500.00           \$         500.00           \$         500.00           \$         500.00           \$         500.00           \$         757.00           \$         757.00
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$\begin{array}{c} 2 < 4^{\circ}\\ 2 < $	4093 4094 4095 4095 4095 4096 4097 4098 4096 4097 4098 4100 4101 4102 4103 4104 4105 4104 4105 4107 4103 4104 4105 4104 4105 4104 4105 4104 4105 4104 4105 4104 4105 4104 4105 4104 4105 4105	Cedar Cedar Cedar TREE TYPE Cedar Ce	400 450 500 500 500 500 500 500 500 500	3.5 5.0 2.0 3.0 3.5 3.0 3.5 4.0 3.5	2.5	3.0	K	5.75 5 5.75 5 4.50 <b>TOTAL</b> <b>CALIPER</b> <b>3.50</b> <b>3.50</b> <b>3.50</b> <b>3.50</b> <b>3.50</b> <b>3.50</b> <b>3.50</b> <b>3.50</b> <b>3.50</b> <b>3.50</b> <b>3.50</b> <b>3.50</b> <b>3.50</b> <b>3.50</b> <b>3.50</b> <b>3.50</b> <b>3.50</b> <b>3.50</b> <b>3.50</b> <b>3.50</b> <b>3.50</b> <b>3.50</b> <b>3.50</b> <b>3.50</b> <b>3.50</b> <b>3.50</b> <b>3.50</b> <b>3.50</b> <b>3.50</b> <b>3.50</b> <b>3.50</b> <b>3.50</b> <b>3.50</b> <b>3.50</b> <b>3.50</b> <b>3.50</b> <b>3.50</b> <b>3.50</b> <b>3.50</b> <b>3.50</b> <b>3.50</b> <b>3.50</b> <b>3.50</b> <b>3.50</b> <b>3.50</b> <b>3.50</b> <b>3.50</b> <b>3.50</b> <b>3.50</b> <b>3.50</b> <b>3.50</b> <b>3.50</b> <b>3.50</b> <b>3.50</b> <b>3.50</b> <b>3.50</b> <b>3.50</b> <b>3.50</b> <b>3.50</b> <b>3.50</b> <b>3.50</b> <b>3.50</b> <b>3.50</b> <b>3.50</b> <b>3.50</b> <b>3.50</b> <b>3.50</b> <b>3.50</b> <b>3.50</b> <b>3.50</b> <b>3.50</b> <b>3.50</b> <b>3.50</b> <b>3.50</b> <b>3.50</b> <b>3.50</b> <b>3.50</b> <b>3.50</b> <b>3.50</b> <b>3.50</b> <b>3.50</b> <b>3.50</b> <b>3.50</b> <b>3.50</b> <b>3.50</b> <b>3.50</b> <b>3.50</b> <b>3.50</b> <b>3.50</b> <b>3.50</b> <b>3.50</b> <b>3.50</b> <b>3.50</b> <b>3.50</b> <b>3.50</b> <b>3.50</b> <b>3.50</b> <b>3.50</b> <b>3.50</b> <b>3.50</b> <b>3.50</b> <b>3.50</b> <b>3.50</b> <b>3.50</b> <b>3.50</b> <b>3.50</b> <b>3.50</b> <b>3.50</b> <b>3.50</b> <b>3.50</b> <b>3.50</b> <b>3.50</b> <b>3.50</b> <b>3.50</b> <b>3.50</b> <b>3.50</b> <b>3.50</b> <b>3.50</b> <b>3.50</b> <b>3.50</b> <b>3.50</b> <b>3.50</b> <b>3.50</b> <b>3.50</b> <b>3.50</b> <b>3.50</b> <b>3.50</b> <b>3.50</b> <b>3.50</b> <b>3.50</b> <b>3.50</b> <b>3.50</b> <b>3.50</b> <b>3.50</b> <b>3.50</b> <b>3.50</b> <b>3.50</b> <b>3.50</b> <b>3.50</b> <b>3.50</b> <b>3.50</b> <b>3.50</b> <b>3.50</b> <b>3.50</b> <b>3.50</b> <b>3.50</b> <b>3.50</b> <b>3.50</b> <b>3.50</b> <b>3.50</b> <b>3.50</b> <b>3.50</b> <b>3.50</b> <b>3.50</b> <b>3.50</b> <b>3.50</b> <b>3.50</b> <b>3.50</b> <b>3.50</b> <b>3.50</b> <b>3.50</b> <b>3.50</b> <b>3.50</b> <b>3.50</b> <b>3.50</b> <b>3.50</b> <b>3.50</b> <b>3.50</b> <b>3.50</b> <b>3.50</b> <b>3.50</b> <b>3.50</b> <b>3.50</b> <b>3.50</b> <b>3.50</b> <b>3.50</b> <b>3.50</b> <b>3.50</b> <b>3.50</b> <b>3.50</b> <b>3.50</b> <b>3.50</b> <b>3.50</b> <b>3.50</b> <b>3.50</b> <b>3.50</b> <b>3.50</b> <b>3.50</b> <b>3.50</b> <b>3.50</b> <b>3.50</b> <b>3.50</b> <b>3.50</b> <b>3.50</b> <b>3.50</b> <b>3.50</b> <b>3.50</b> <b>3.50</b> <b>3.50</b> <b>3.50</b> <b>3.50</b> <b>3.50</b> <b>3.50</b> <b>3.50</b> <b>3.50</b> <b>3.50</b> <b>3.50</b> <b>3.50</b> <b>3.50</b> <b>3.50</b> <b>3.50</b> <b>3.50</b> <b>3.50</b> <b>3.50</b> <b>3.50</b> <b>3.50</b> <b>3.50</b> <b>3.50</b> <b>3.50</b> <b>3.50</b> <b>3.50</b> <b>3.50</b> <b>3.50</b> <b>3.50</b> <b>3.50</b> <b>3.50</b> <b>3.50</b> <b>3.50</b> <b>3.50</b> <b>3.50</b> <b>3.50</b> <b>3.50</b> <b>3.50</b> <b>3.50</b> <b>3.50</b> <b>3.50</b> <b>3.50</b> <b>3.50</b> <b>3.50</b> <b>3.50</b> <b>3.50</b> <b>3.50</b> <b>3.50</b> <b>3.50</b> <b>3.50</b> <b>3.50</b> <b>3.50</b> <b>3.50</b> <b>3.50</b> <b>3.50</b> <b>3.5</b>	50% 50% 50% 74CTOR 74CTOR 75% 50% 50% 50% 50% 50% 50% 50% 50% 50% 5	2.88 2.25 REPLACEMENT INCHES REQUINED 	Construction Access Construction Access Construction Access Construction Access Construction Access Construction Access Construction Access Construction Access Construction Access Construction Access Dam Construction Dam Construction Dam Construction Dam Construction Dam Construction Dam Construction Dam Construction Dam Construction Access Construction Access Construction Access	\$         200.00           \$         200.00           \$         200.00           \$         200.00           \$         200.00           \$         - 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MCGRAY CONDUCTED THE SURVEY IN DECEMBER 2018.

Size Category	TREE TAG	TREE TYPE	SINGLE TRUNK	N	IULTI-TRUN	٩K	TOTAL CALIPER (INCHES)	REPLACEMENT FACTOR	I
2-48"	4153	Cedar	5.00				5.00	50%	T
2 - < 8"	4154	Cedar	2.50				2.50	0%	t
2-48	4155	Cedar	2.00				2.00	0%	T
8-×19"	4156	Live Oak	9.00				9.00	50%	T
2.<8	4157	Cedar Elm	7.00				7.00	50%	t
8 - < 19"	4158	Spanish Oak	10.25				10.25	0%	T
8 - < 19"	5X3X3	Cedar	8.00				8.00	0%	Ī
8-<19*	6X4	Cedar	8.00				8.00	0%	Ī
									Ι
								LACEMENT INCHES	

			5.0	of 20
OTAL CALIFR         REPLACEMENT FACTOR         REPLA INCHES           URCHES         50%         100           2.20         0%         20           3.00         50%         100           3.00         50%         100           3.00         50%         10.25           3.00         0%         10.25           3.00         0%         10.25           7.00         50%         10.25           7.01.0         10.05         10.05           7.01.1         INCHES REMOVED	XEMENT REQURED REQUERD 2.0 Construction Access - Construction Access - Construction Access - Construction Access - To Remain -	REPLACEMENT VALUE         P           \$         200.00         \$           \$         -         \$           \$         200.00         \$           \$         200.00         \$           \$         200.00         \$           \$         200.00         \$           \$         200.00         \$           \$         200.00         \$           \$         -         \$           \$         -         \$           \$         -         \$           \$         -         \$           \$         -         \$           \$         -         \$	ATTIGATION VALUE	Design Group Design Group De
				CITY OF AUSTIN WATERSHED PROTECTION DEPARTMENT BULL CREEK OLD LAMPASAS #3 DAM MODERNIZATION TREE MITIGATION AND REPLACEMENT 10 OF 10
				BY         DATE         F&AUB NO.           AU31230         AU31230           DATE         6/13/2023           DRSNED         DATE           PREVED         DATE           FLE NAME         CHCKED           FLE NAME         CHCKED           TP-000.dwg         CHCKED
	ALL RESPONSIBILTY FOR THE A REMAINS WITH THE ENGINEE	ADEQUACY OF THESE R WHO PREPARED TH	HEM. IN	REVIS
c	APPROVING THESE PLANS, TH UPON THE ADEQUACY OF THE REVIEWED BY: FOR DIRECTOR OF THE DEVELOPMENT SERVICES DEFI OA CASE NO. SP-2022-0	IE CITY OF AUSTIN M E WORK OF THE DESI	UST RELY	SHEET 39 TOTAL 94

## ATTACHMENT 11 REVEGETATION PLAN

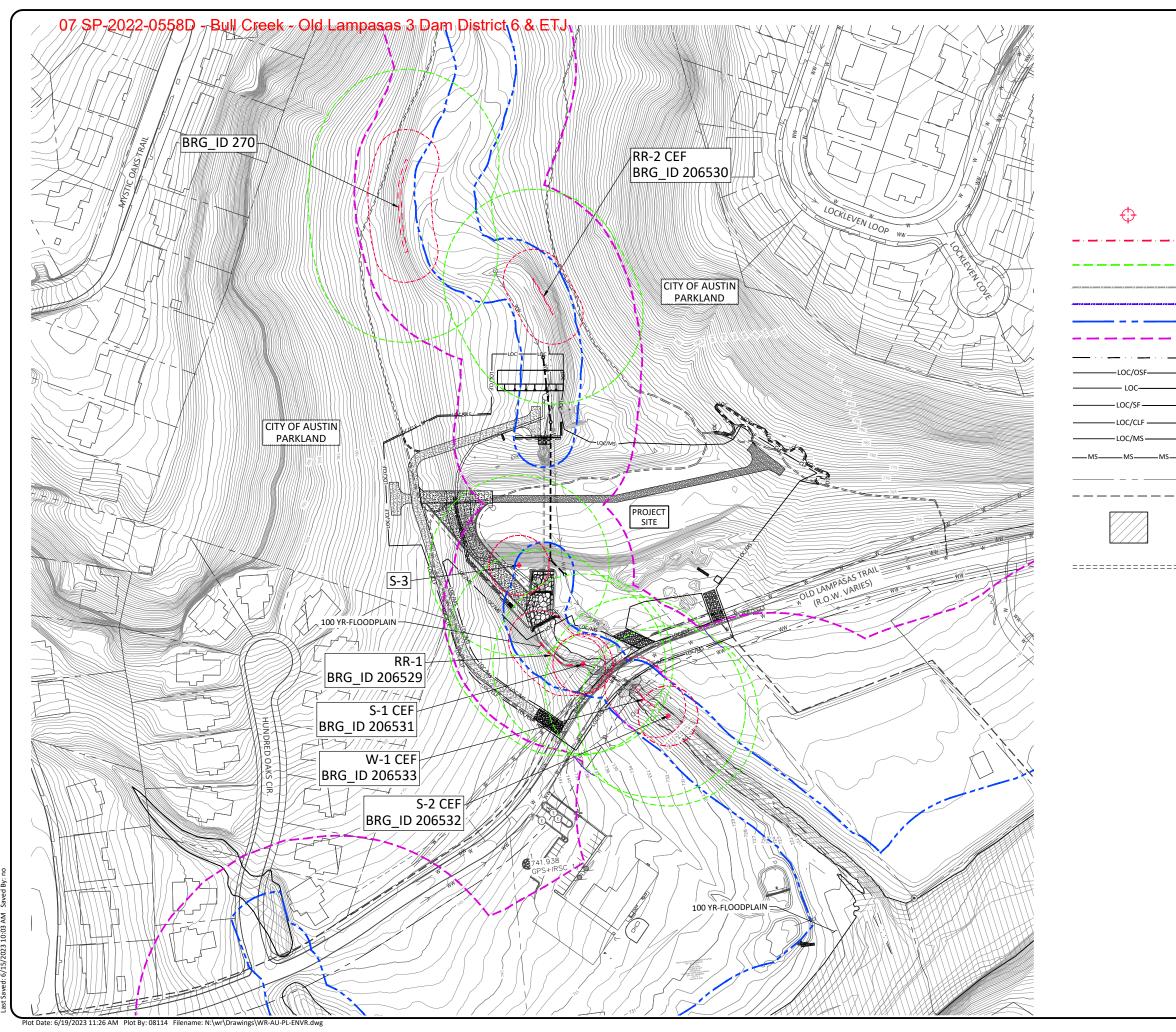


ACAD Rei: 24.2s (LMS Tech) Filename: Y:\023-77D\_0Id\_Lampasas\_Dam\CAD\She Last Saved: 6/13/2023 11:34 AM Saved By: MinLlu

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REVEGETATE ALL AREAS DISTURBED BY CONSTRUCTION USING CITY OF AUSTIN STANDARD SPECIFICATION 609S.			Design Group	305 E. Huntland Drive	Suite 200 Austin, Texas 78752	F: 512.453.0767 F: 512.453.1734 MMM#: 023-77D
ZED FOOT PATH TO BE BEGINNING OF IMMEDIATELY TALLATION OF LOC CT ALIGNMENT TO BE	- Homest	A SAPA 13	A A A A A A A A A A A A A A A A A A A	CA.	By PAES TEB	Sector to Sector
ALLATION AND SHALL VITINUOUS CONNECTION TRUCTION PROJECT. IMITED PRUNING AND BRUSH EMOVAL FOR FOOT PATH. OORDINATE REMOVAL WITH OWNER ND CITY INSPECTOR TO ENSURE RE PRESERVED IN COMPLIANCE ITH APPLICABLE SECTIONS OF THE AND DEVELOPMENT CODE. EXISTING FOOT PATH TO REMAIN	Ξ	BULL CREEK	OLD LAMPASAS #3 DAM MODERNIZATION		kevegeiaiion plan	
/ IRRIGATION FOR LANDSCAPE ESTABLISHMENT ARY IRRIGATION IS REQUIRED FOR THE PROJECT FOR THE ESTABLISHMENT OF TREES, SHRUBS, PERENNIALS, MITIGATION PLANTINGS ETC. THE SYSTEM DESIGNED AND INSTALLED SO THAT THERE IS NO POTABLE WATER RUNOFF, LOW HEAD DRAINAGE. IN-HEAD CHECK VALVES MUST BE INSTALLED TO ANY POST OPERATION DRAINAGE.	F&N JOB N	DATE 6/13/2023	DESIGNED	DRAWN	REVISED	E CHECKED
TION TO A PRESSURIZED POTABLE SYSTEM WITH AUTOMATIC CONTROLS IS NOT A TEMPORARY ABOVE GROUND IRRIGATION SYSTEM IS PROPOSED FOR IENT. THE ABOVE GROUND SYSTEM SHALL BE PRESSURIZED WITH A MOBILE PUMP TRUCK) DOWNSTREAM OF A MANUALTY OPERATED CONNECTION (IE GATE WATER SOURCE. THE VALVE SHALL NOT BE DIRECTLY CONNECTED TO THE IRRIGATION SYSTEM. MONITORING OF THE SYSTEM SHALL BE DONE IN PERSON NO RUN-OFF WILL OCCUR DURING THE OPERATION OF THE SYSTEM.	BY DATE					FILE NAME LP-101.dwg
CONTRACTOR ELECTS TO INSTALL THE TEMPORARY SYSTEM BELOW GRADE THE S NOTED ABOVE ARE STILL REQUIRED. ALL IRRIGATION EQUIPMENT, INCLUDING JND PIPE AND WIRING MUST BE REMOVED AFTER ESTABLISHMENT AND PRIOR E OF FINAL PAYMENT. CTOR SHALL PROVIDE SEALED SHOP DRAWING FOR REVIEW AND APPROVAL START OF IRRIGATION CONSTRUCTION. 100% SUBMITTAL ALL RESPONSIBILITY FOR THE ADEQUACY OF THESE PLANS REMAINS WITH THE ENGINEER WHO PREPARED THEM. IN	0. REVISION					VERIFY SCALE Bar is one inch on original 1 drawing. If not one inch on 1 this sheet, adjust scale.
APPROVING THESE PLANS, THE CITY OF AUSTIN MUST RELY UPON THE ADEQUACY OF THE WORK OF THE DESIGN ENGINEER. REVIEWED BY: FOR DIRECTOR OF THE DEVELOPMENT SERVICES DEPARTMENT DATE DEVELOPMENT SERVICES DEPARTMENT	2 A	L L		HN 1		≥°°1 ENL
DEVELOPINIENT SERVICES DEPARTIVIENT						

COA CASE NO SP-2022-0558D FILED ON NOVEMBER 23 2022

## ATTACHMENT 12 ENVIRONMENTAL CONSTRAINTS MAP



0 <u>40</u> 50	N 80' 160' CALE IN FEET	Frees and Withols, Inc. Texas Registered Engineering Firm 2.2.144	2			22, 97367 <sup>4</sup>	S CONAL SECON	6/19/2023
CENTER CEF (CR SETBAC CEF (CR SETBAC SETBAC PROPOS	NTICAL ENVIRONMENTAL FEATUR NARK NIICAL ENVIRONMENTAL FEATUR NIICAL ENVIRONMENTAL FEATUR	E) 50' E) 150' ETBACK			STOHOUS INCHOUS	10431 Morado Circle, Suite 300 Austin, Texas 78759	Fax = (512) 617-5100 Fax = (512) 617-3101 Web = www.freese.com	
CWQZ ( WQTZ ( CREEK 0 LIMITS 0 LIMITS 0 LIMITS 0 LIMITS 0 LIMITS 0 LIMITS 0 LIMITS 0 CIMULCH PROPER CITY LIM	(CRITICAL WATER QUALITY ZONE) (WATER QUALITY TRANSITION ZOI CENTERLINE OF CONSTRUCTION/ORANGE SAFI OF CONSTRUCTION/SILT FENCE OF CONSTRUCTION/SILT FENCE OF CONSTRUCTION/CHAIN LINK F OF CONSTRUCTION/CHAIN LINK F OF CONSTRUCTION/MULCH SOCK I SOCK	NE) ETY FENCE ENCE	CITY OF AUSTIN WATERSHED PROTECTION DEPARTMENT	<b>BULL CREEK</b>	OLD LAMPASAS #3 DAM MODERNIZATION			EINVIRUNIVIENTAL CUNSTRAINTS IMAP
			DATE F&N JOB N	AU311230 DATE 6/19/2023	DESIGNED CJW	BRAWN EAM REVISED	FILE NAME CHECKED KPK	WR-AU-PL-ENVR.dwg
	ALL RESPONSIBILTY FOR THE ADEQUACY OF 1		REVISION BY				VERIFY SCALE Bar is one inch on original	I urawing. If not one men on this sheet, adjust scale.
	REMAINS WITH THE ENGINEER WHO PREPAR APPROVING THESE PLANS, THE CITY OF AUST UPON THE ADEQUACY OF THE WORK OF THE REVIEWED BY: DIRECTOR, DEVELOPMENT SERVICES DEPARTMENT	ED THEM. IN IN MUST RELY	A		1	2	IEN	

## ATTACHMENT 13 ENVIRONMENTAL RESOURCES INVENTORY WAIVER



T.B.P.E. Firm Registration No. F-3181 T.B.P.G. Firm Registration No. 50030A

January 9, 2023

Watershed Protection Department 505 Barton Springs Road Austin, Texas 78704

Sent via email to Andrew.Clamann@austintexas.gov

Attention: Mr. Andrew Clamann

Reference: Addendum – Environmental Resources Inventory Waiver Rehabilitation for Old Lampasas #3 Dam on Tributary to Bull Creek Austin, Texas Baer Engineering Document No. 112009-8b.020

Dear Mr. Clamann:

Baer Engineering and Environmental Consulting, Inc. is assisting Freese and Nichols, Inc. (FNI) with the Environmental Resources Inventory (ERI) Waiver process for the above-referenced City of Austin (COA) project.

### INTRODUCTION

We previously prepared an ERI Waiver Request in June 2019, which was accepted during COA review of the project.

The Old Lampasas #3 Dam (Dam) is located approximately 0.25 miles west of the intersection of Old Lampasas Trail and Spicewood Springs Road. The Dam is situated on Tributary 4A to Bull Creek. Several critical environmental features (CEFs), the 100-year floodplain of Bull Creek, a critical water quality zone (CWQZ), and a water quality transition zone (WQTZ) have been identified in the area. These features are previously discussed in the ERI Waiver Request.

### UPDATED PROJECT AREA

An additional area has been added to the project to be used for temporary construction staging. This area is on the property of Grace Church of the Nazarene (known as Central City Austin) at 9023 Old Lampasas Trail, Austin, TX 78750 (Figure 1). It is located south of, and on the opposite side of, Old Lampasas Trail from the Dam.

The new staging area avoids the CWQZ of Tributary 4A, the 100-year floodplain of Bull Creek, and the identified CEFs. The area is almost entirely within the WQTZ of Tributary 4A and overlaps with the 150-foot buffer areas around wetland *W-1* (brg\_ID 206533) and seep *S-2* (brg\_ID 203532).

The staging area will be temporarily disturbed by construction activity. Existing trees will be avoided and protected. No excavation or other significant ground disturbance will take place. Disturbances will be limited to those associated vehicle traffic and material storage. Tributary 4A will be protected

Baer Engineering and Environmental Consulting, Inc. 7756 Northcross Drive, Suite 211 Austin, Texas, U.S.A. 78757 Telephone: (512) 453-3733 www.BaerEng.com Fax: (512) 453-3316

### 12 of 20 07 SP-2022-0558D - Bull Creek - Old Lampasas 3 Dam District 6 & ETJ FNI: 112009-8b.020 Old Lampasas Dam #3 Design Phase – ERI Waiver Addendum

January 9, 2023 Page 2

from runoff using previously-described erosion and sedimentation controls and will be revegetated with native seeding in accordance with COA Standard Specifications 604S.

We request this information to be included and reviewed with the ERI Waiver for the project.

If you have guestions about this addendum, please email me at cwarkoczewski@baereng.com or call me at our office at 512.453.3733.

Respectfully submitted, Baer Engineering and Environmental Consulting, Inc.

Christen Warkoczewski, Wildlife Biologist

Attachments: Figure 1 – Church Site TCE

The ERI waiver addendum requested for the above referenced project has been: Approved Denied

Comments:

All CEFs on/adjacent to additional staging area known. Restoration/mitigation will be required in accompanying site plan review.

in Anan

ERM Reviewer (Print Name) Fric Brown 2/17/2023

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-LOC/CLF ------

## LEGEND:

CEF (CRITICAL ENVIRONMENTAL FEATURE) 50' SETBACK

CEF (CRITICAL ENVIRONMENTAL FEATURE) 150' SETBACK

PROPOSED ULTIMATE FLOODPLAIN 50' SETBACK

PROPOSED ULTIMATE FLOODPLAIN 150' SETBACK

CWQZ (CRITICAL WATER QUALITY ZONE)

WQTZ (WATER QUALITY TRANSITION ZONE)

CREEK CENTERLINE

LIMITS OF CONSTRUCTION/CHAIN LINK FENCE

LIMITS OF CONSTRUCTION

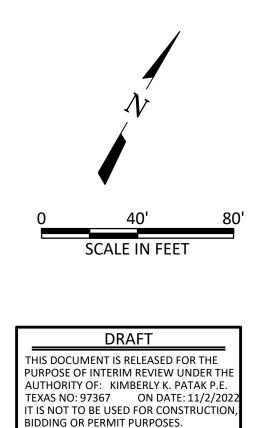
PROPERTY LINE

\_\_\_\_\_

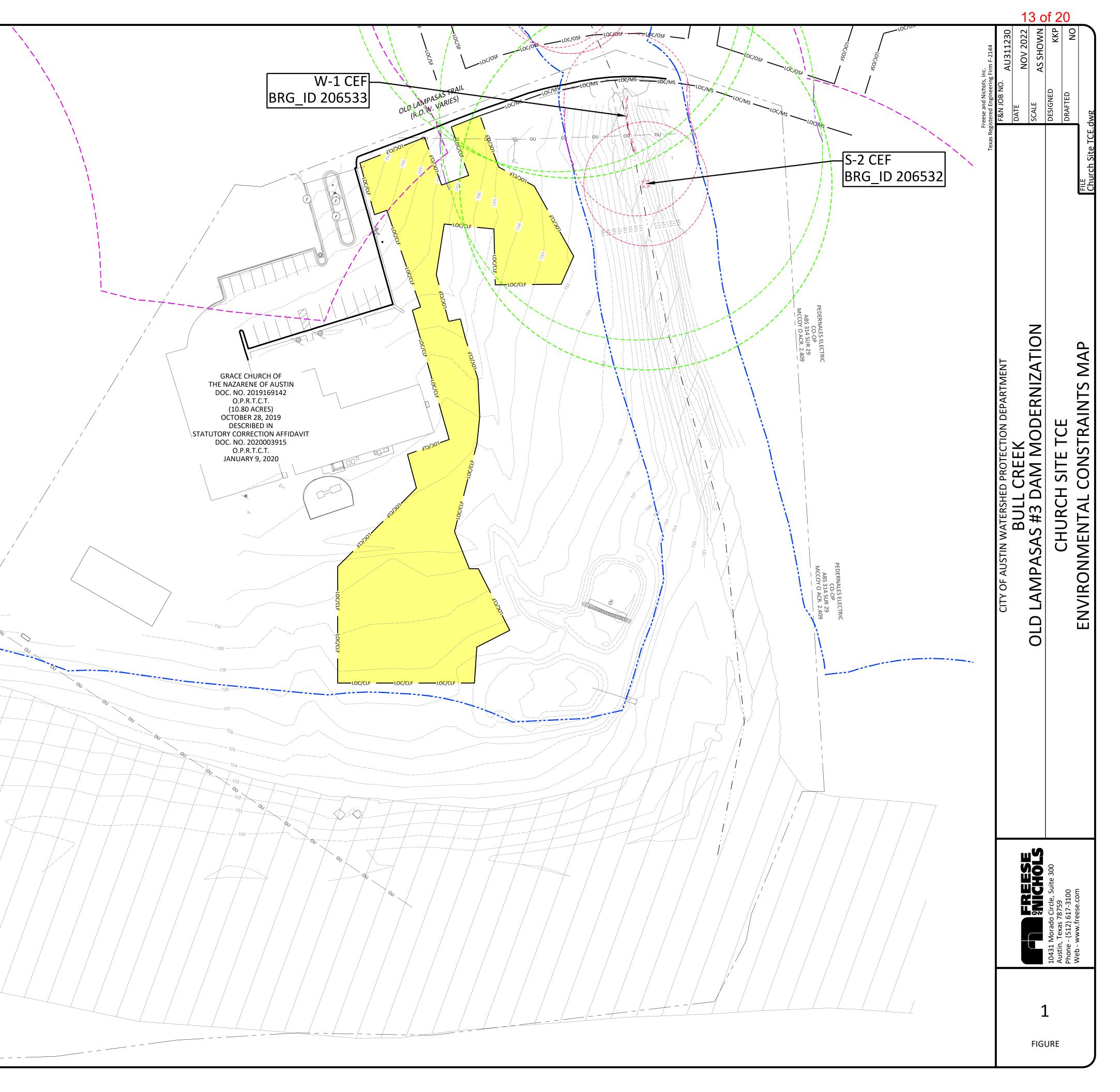


100-YR PROPOSED CONDITION ULTIMATE LAND USE FLOODPALIN

TEMPORARY CONSTRUCTION EASEMENT



ACAD Rel: 24.2s (LMS Tech) Filename: N:\wr\Survey\Site visit\Church Site TCE Last Saved: 11/3/2022 10:47 AM Saved By: no





and Environmental Consulting, Inc.

March 14, 2019

Watershed Protection Department 505 Barton Springs Road Austin, Texas 78704

Sent via email to Andrew.Clamann@austintexas.gov

- Attention: Mr. Andrew Clamann
- Reference: **Environmental Resources Inventory Waiver Request** Rehabilitation for Old Lampasas #3 Dam on Tributary to Bull Creek Austin. Texas Baer Engineering Document No. 112009-8b.021

Dear Mr. Clamann:

Baer Engineering and Environmental Consulting, Inc. is assisting Freese and Nichols, Inc. (FNI) with the Environmental Resources Inventory (ERI) waiver process for the above-referenced City of Austin (COA) project. The Old Lampasas #3 Dam (Site) will be rehabilitated to meet COA and Texas Commission on Environmental Quality (TCEQ) dam safety regulations and improve water quality. The Dam is located approximately 0.25 miles west of the intersection of Old Lampasas Trail and Spicewood Springs Road. The Dam is situated on a tributary to Bull Creek outside the COA-defined Edwards Aquifer Recharge Zone but within the 1,500-foot verification zone.

### **Existing Dam Conditions and Proposed Improvements**

The Dam was built in the early-1980s using construction spoils from the neighborhood development, including boulders and fill material. Trees now cover the dam and there are large voids where the soil has eroded between the fill and boulders. The Dam has been damaged by past floods and is a safety hazard.

Baer Engineering conducted field surveys for this site on July 15, 2011, and October 26, 2018. Conditions at the site (as of the most recent field survey) are as follows:

- The unnamed tributary to Bull Creek was flowing both upstream and downstream of the Dam, forming an approximately 12-foot wide pool upstream of the Dam. The upstream creekbed comprised alluvial soil transitioning to cobble and sand closer to the Dam. Bedrock was exposed downstream of the Dam.
- The Dam was heavily vegetated in areas where soil was retained but much of the Dam slope was exposed limestone boulders with obvious voids.
- The concrete inlet headwall is distantly separated from the Dam and the principal spillway CMP culvert appeared completely collapsed;
- Water was flowing through the Dam structure in several areas, comprising the majority of downstream flow;
- Five Critical Environmental Features (CEF) were observed within 150 feet of the proposed Limits of Construction - one spring, one seep, two rimrocks, and one wetland. The CEFs are outside the proposed Limits of Construction and no direct impacts to the CEFs are being planned. The CEFs are show on Figure 4.

Freese and Nichols is designing a plan for Dam Rehabilitation. The proposed work includes but may not be limited to:

- Regrading of Dam slopes to three-to-one earthen slope;
- Replacement of 60-inch corrugated metal spillway pipe with 42-inch reinforced concrete pipe;
- Replacement of existing intake headwall with detention riser pipe and low flow port;
- Removal of woody vegetation on the Dam; and
- Maintaining the geometry of the plunge pool at the culvert outfall and armoring it with boulders.

As per the 60% Erosion and Sedimentation Control Plan and the Tree Protection Plan, tree protection, mulch socks, and severe service rock berms will be installed during construction to minimize erosion and sedimentation. The Care of Water Plan shows that a cofferdam will be installed to route storm events up to a 2-year storm around the site to reduce the potential for construction spoils downstream. The Revegetation Plan shows that, at the completion of the project, the site will be restored with native seeding per COA Standard Specifications 604S Table 4 and sodding with buffalo grass and blue grama on the dam embankment.

### Previous Coordination with COA Watershed Protection

In 2011, you and Sylvia Pope conducted a field visit to the Dam site. After your site visit, you suggested that a "waiver to the requirement for an Environmental Assessment can be provided as per LDC 25-8-121 and ECM 1.3.0(A)(7)." A printed copy of that correspondence is attached.

### Justifications for Supporting the ERI Waiver Request

An ERI Waiver Request Form and figures are included as an attachment to this letter. We believe that the project qualifies for an ERI waiver based on the following:

- The Site has no significant undisturbed natural areas;
- The project is not expected to directly impact the observed CEFs;
- Tree Protection and Erosion and Sedimentation Control Plans will be implemented; and
- Previous assessment in 2011 by you and Sylvia Pope concluded that the requirement for an ERI (previously referred to as an Environmental Assessment [EA]) could be waived.

If you have questions about this request or require additional information, please call me at 512.453.3733.

Respectfully submitted, Baer Engineering and Environmental Consulting, Inc.

Jennifer Lueckemeyer, CPESC Senior Project Manager

Attachment: ERI Waiver Form and Maps COA Correspondence – EA Waiver

### Environmental Resource Inventory Waiver Request Form

For the City of Austin Related to LDC 25-8-121(D) or City Code 30-5-121(D)

### **GENERAL SITE INFORMATION:**

- 1. SITE/PROJECT NAME: Old Lampasas #3 Dam Modernization
- 2. COUNTY APPRAISAL DISTRICT PROPERTY ID (#'s): 164673, 164674
- 3. ADDRESS/LOCATION OF PROJECT: 9022 Old Lampasas Trail, Austin, TX 78750

4. WATERSHED: Bull Creek

5. THIS SITE IS WITHIN THE (Check all that apply)

Edwards Aquifer Recharge Zone* (See note below)	YES	🛛 No
Edwards Aquifer Contributing Zone*	YES	🛛 No
Barton Spring Zone*	YES	🛛 No
*(as defined by the City of Austin – LDC 25-8-2 or City Code 30-5-2)		

### 6. DOES THIS PROJECT PROPOSE FLOODPLAIN MODIFICATION?....... X YES\*\* NO IF YES, THEN DO ANY OF THE FOLLOWING CONDITIONS APPLY? (check all that apply):

 $\boxtimes$  (1) The floodplain modifications proposed are necessary to protect the public health and safety;

(2) The floodplain modifications proposed would provide a significant, demonstrable environmental benefit, as determined by a **functional assessment** of floodplain health as prescribed by the Environmental Criteria Manual (ECM), or

 $\Box$  (3) The floodplain modifications proposed are necessary for development allowed in the critical water quality zone under LDC 25-8-261or 25-8-262, City Code 30-5-261 or 30-5-262.

(4) The floodplain modifications proposed are outside of the Critical Water Quality Zone in an area determined to be in poor or fair condition by a **functional assessment** of floodplain health.

\*\* If yes, then a Functional Assessment must be completed and attached to the ERI (see ECM 1.7 and Appendix X In the Environmental Criteria Manual for forms and guidance) unless conditions 1 or 3 above apply.

\*\*\*If yes, then riparian restoration is required by LDC 25-8-261(E) and a Functional Assessment must be completed and attached to the ERI (see ECM 1.5 and Appendix X in the Environmental Criteria Manual for forms and guidance).

### REQUIRED INFORMATION FOR WAIVER REQUEST:

Pursuant to LDC 25-8-121(D) or City Code 30-5-121(D), the Director of the Watershed Protection Department (WPD) may permit an applicant to exclude information that is required in ERI report if the Director determines that the information is unnecessary because of the scope or nature of the proposed development. Please provide the requested information below to WPD for review. **Please be advised. If granted. this walver may be rescinded in the future. If new information is discovered during the review process that requires that an ERI be completed for this site.** 

1. X A **NARRATIVE DESCRIPTION** of current site conditions and justifications to support the granting of the waiver request are attached at the end of this form.

2. .X The following **MAPS** of the site are attached:

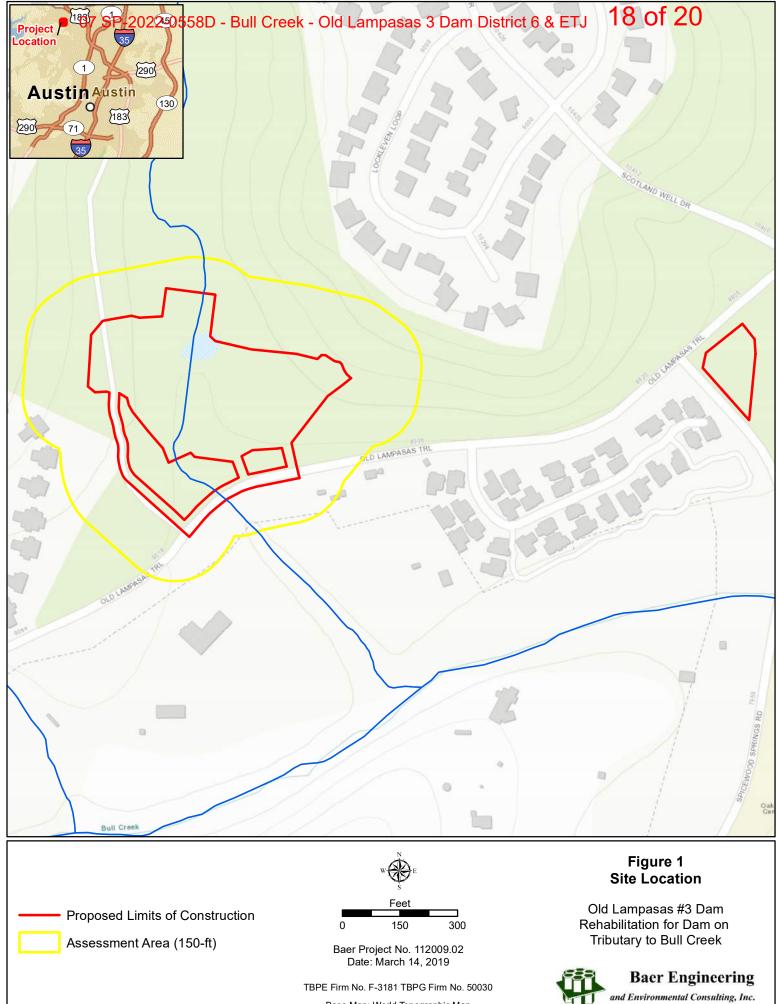
(Map Information available at http://www.austintex.as.gov/GIS/DevelopmentWebMap/Viewer.aspx)

- Site Location Map
- Historic Aerial Photo at least 15 years old
- Current Aerial Photo
- Topographic Map with a 2 feet contour interval

To the best of my knowledge, the responses to this form accurately and thoroughly reflect all information requested.

ennifer Lueckemeyer	512.453.3733	
Print Name	Telephone	
Juifz Juerkongen	JLueckemeyer@baereng.com	
Signature	Email Address	
aer Engineering and Environmental Consulting, Inc	7/26/2019	
Name of Company	Date	
WATERSHED PROTECTION DEPARTMENT US	E ONLY.	
The waiver requested from LDC 25-8-121(D) of City	y Code 30-5-121(D) for the above reference	
project has been:		
Denied Approved Rescinded App	proved with TCEQ Geologic Assessment	
Personing for denial:		
Reasoning for denial:	required for this proposed development	
Critical Environmental Features are presen		
The information provided is incomplete (se		
Denied, but the following sections can be o	imitted (see comments below).	
Other Comments:		
Descention for Assessed of the form must be for further for	the sub-state to see the factor and the second	
Reasoning for Approval (This form must be included wh Engineer's Report and/or Summary):	<u>m submittal materials and referenced in your</u>	
No Critical Environmental Features are prese	ent on or within 150 feet of the site boundaries.	
The site has existing impervious cover and n		
□ No floodplains, slopes >15%, CWQZs, WQT	and the second se	
	EQ Geologic Assessment has been completed	
and will be submitted <i>(Only for sites within the Edw</i>		
	Valus Aquiler).	
MOther: AIL CEFS WI 130-FF ore	Dantan	
Comments: acreedy identified and show		
9/17/19 on public value	" Scolt E. Hiers	
	ERM Reviewer (Print Name)	

If you have questions on how to fill out this form, please contact the Watershed Protection Department at 512/974-2550.



Base Map: World Topographic Map



Proposed Limits of Construction

Assessment Area (150-ft)

Baer Project No. 112009.02 Date: March 14, 2019

TBPE Firm No. F-3181 TBPG Firm No. 50030

Base Map: Jollyville SE Quarter Quad

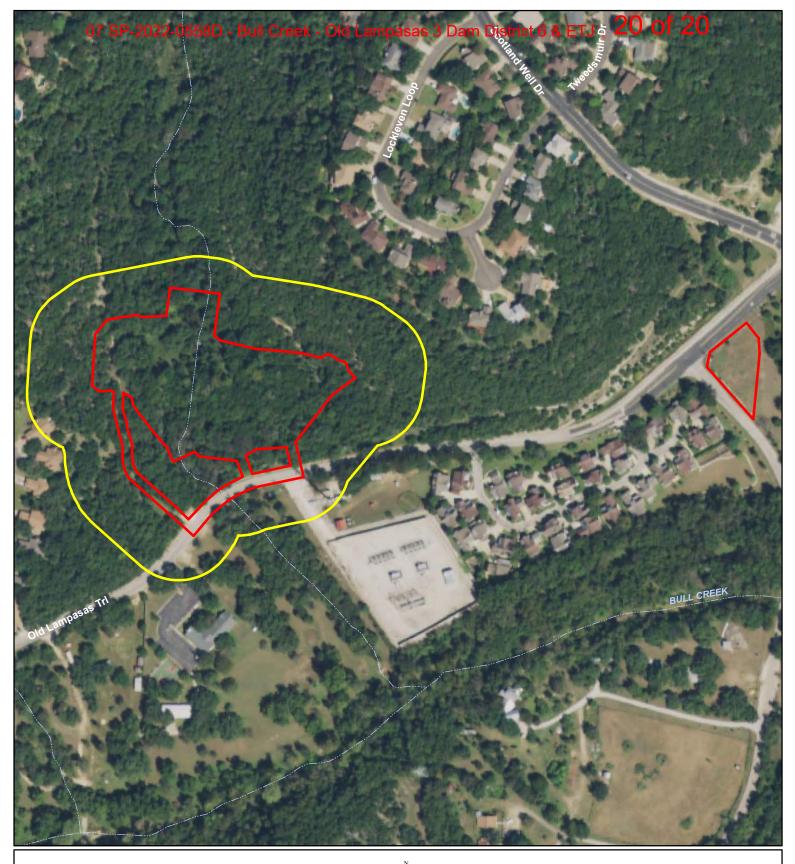
Figure 2 1996 Historic Aerial Photograph

Old Lampasas #3 Dam Rehabilitation for Dam on Tributary to Bull Creek



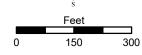
**Baer Engineering** 

and Environmental Consulting, Inc.



Proposed Limits of Construction

Assessment Area (150-ft)



Baer Project No. 112009.02 Date: March 14, 2019

TBPE Firm No. F-3181 TBPG Firm No. 50030

### Base Map: NAIP Aerial Imagery, 2016

# Figure 3 Current Aerial Photograph

Old Lampasas #3 Dam Rehabilitation for Dam on Tributary to Bull Creek

