





1120 S. Capital of Texas Highway CityView 2, Suite 100 Austin, Texas 78746 P - 512.338.1704 F - 512.338.1784 TBPE Firm #6535 www.kfriese.com

YOUNG

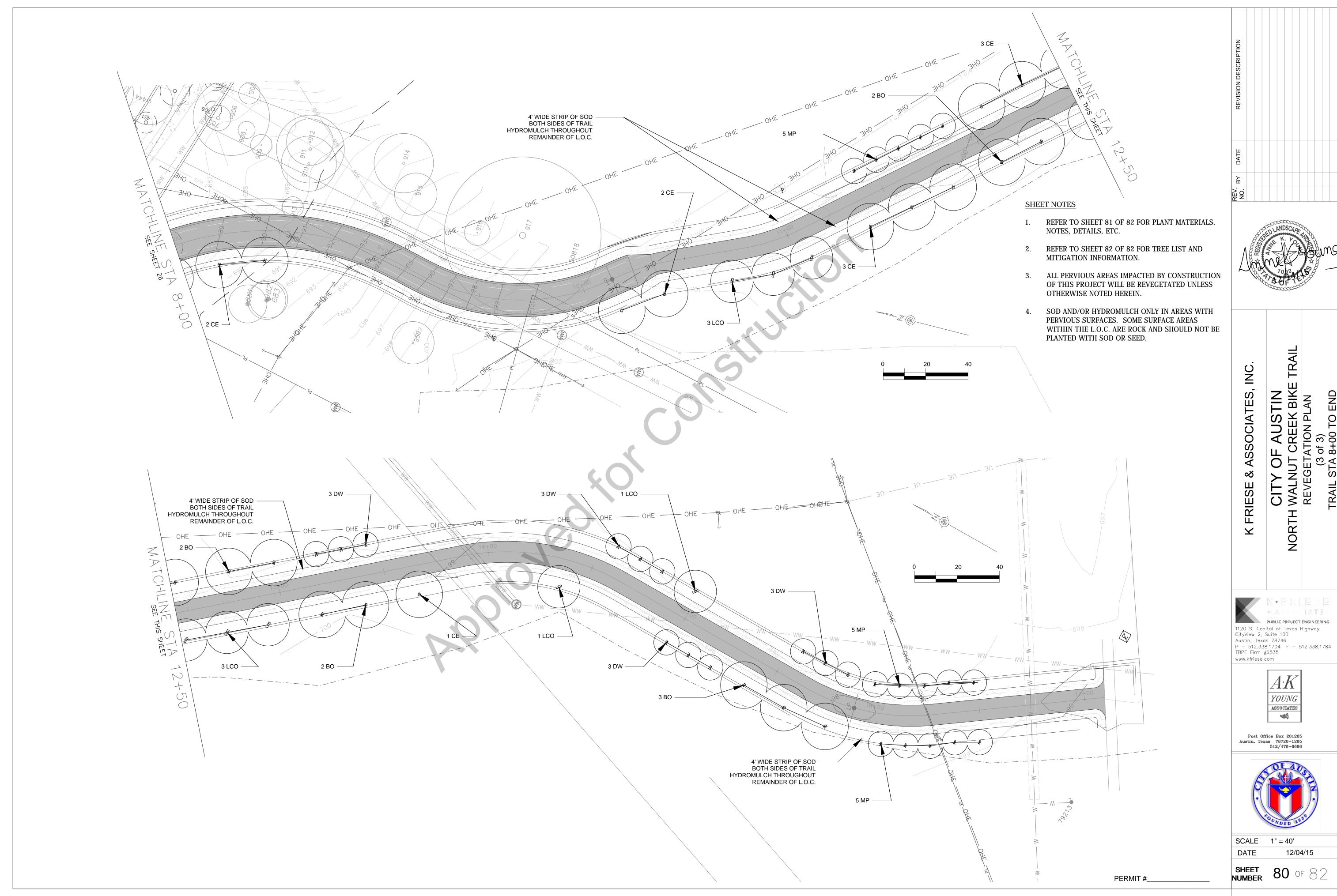
ASSOCIATES

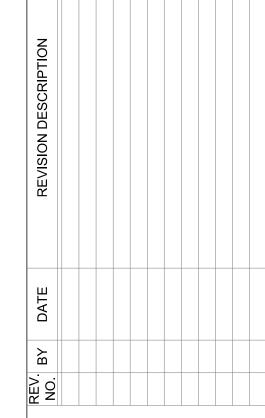
Post Office Box 201265 Austin, Texas 78720-1265 512/476-6686

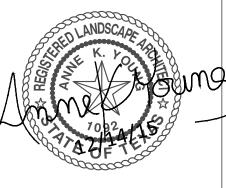


SCALE 1" = 40' 12/04/15

SHEET NUMBER







PLAN NOTES

- 1. ALL QUESTIONS REGARDING THESE REVEGETATION PLANS SHOULD BE REFERRED TO THE LANDSCAPE ARCHITECT, A. K. YOUNG ASSOCIATES, AT 512/476-6686.
- 2. THE PLANS ARE NOT TO BE CONSIDERED FINAL UNTIL APPROVED BY THE CITY AND/OR OTHER GOVERNMENTAL AGENCY WITH JURISDICTION. CHANGES MAY BE REQUIRED PRIOR TO APPROVAL.
- 3. REFER TO ENGINEERING DOCUMENTS FOR FULL SCOPE OF PROJECT, INCLUDING DIMENSIONS, LOCATIONS, AND PROJECT INFORMATION.
- 4. REFER TO FULL PROJECT DOCUMENTS PRIOR TO BIDDING OR CONSTRUCTION, INCLUDING SPECIFICATIONS IN THE PROJECT MANUAL AND PROJECT DOCUMENTS FOR RELATED PIPELINE PROJECT.
- 5. ALL REVEGETATION ELEMENTS ARE TO BE INSTALLED WITHIN THE LIMITS OF CONSTRUCTION APPROVED IN SITE DEVELOPMENT PERMIT DOCUMENTS. ALL REVEGETATION ACTIVITIES ARE TO BE CONTAINED WITHIN THE LIMITS OF CONSTRUCTION APPROVED IN SITE DEVELOPMENT PERMIT DOCUMENTS.
- 6. LOCATION OF PLANT MATERIALS SHOULD BE AS SHOWN ON THE REVEGETATION PLAN. ANY DISCREPANCY BETWEEN FIELD CONDITIONS AND THE PROJECT DOCUMENTS WHICH LIMIT THE CONTRACTOR SHOULD BE BROUGHT TO THE ATTENTION OF THE OWNER'S REPRESENTATIVE PRIOR TO PLANT MATERIAL INSTALLATION.
- 7. ALL PERVIOUS PROJECT AREAS IMPACTED DURING CONSTRUCTION WILL BE HYDROMULCHED WITH A NATIVE SEED MIX UNLESS OTHERWISE INDICATED IN THE PROJECT DOCUMENTS.
- 8. MULCH BEDS SHOWN IN REVEGETATION PLANS INDICATE AREAS WHICH SHOULD RECEIVE A 6" DEPTH OF MULCH CREATED BY SHREDDING TREES REMOVED FROM THIS PROJECT SITE. PERMANENT MULCH BEDS SHOULD NOT BE CONFUSED WITH MULCH USED DURING CONSTRUCTION AS TEMPORARY PROTECTION FOR ROOT ZONES OF EXISTING TREES.

PLANT MATERIALS

Bur Oak - Quercus macrocarpa 3" cal., single straight trunk, container grown

CE

Cedar Elm - Ulmus crassifolia 3" cal. min., single straight trunk, container grown

Desert Willow - Chilopsis linearis "Bubba" 2" cal., container grown

Lacey Oak - Quercus glaudoides (Q. laceyi) 2" cal., single straight trunk, container grown

Live Oak - Quercus virginiana 3" cal., single straight trunk

Mountain Laurel - Sophora secundiflora 1.5" cal., multi-trunk, container grown

Mexican Plum - Prunus mexicana 2" cal., single straight trunk, container grown

Possumhaw, Deciduous Holly - Ilex decidua 1.5" cal., multi-trunk

Texas Persimmon - Diospyros texana 1.5" cal., multi-trunk acceptable

SEED

Native Mix:

CoA Item No. 604S,

Tables 4 through 8, depending on specific project site conditions

Laid Solid:

Density Buffalograss - Buchloe dactyloides "Density"

BASE SPECIFICATIONS INCLUDE:

CITY OF AUSTIN STANDARD SPECIFICATION

ITEM NO. 602S - SODDING FOR EROSION CONTROL 6-16-08

CITY OF AUSTIN STANDARD SPECIFICATION

ITEM NO. 604S - SEEDING FOR EROSION CONTROL 12-30-14

CITY OF AUSTIN STANDARD SPECIFICATION

ITEM NO. 608S - PLANTING 9-26-12

WITH SURFACE OF BACKFILL MIXTURE AFTER SETTLING

TREE PLANTING DETAIL NO SCALE

APPENDIX P-6 REMEDIAL TREE CARE FOR TREES WITHIN CONSTRUCTION AREAS

- MULCH WATERING BASIN

MIXTURE

COVER INDIVIDUAL TREE OR SHRUB PLANTINGS WITH THREE INCH DEPTH OF MULCH BEGINNING AT

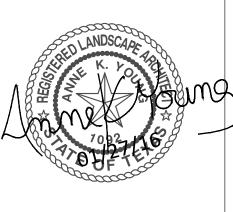
TRUNK. AVOID CONTACT WITH TRUNK. EACH BASIN SHALL HAVE A CLEAN, ROUND, EDGED OUTLINE.

TOP OF ROOTBALL ADJACENT TO THE TRUNK, THEN SLOPED GENTLY BACK FROM CONTACT WITH THE

TOP DRESSING SLOPED BACK FROM TREE TRUNK

-3" AVERAGE DEPTH OF MULCH

(SPECIAL PROVISION TO ITEM NO. 610S)



ANTING DETAILS AND NOTES

PUBLIC PROJECT ENGINEERING

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YOUNG ASSOCIATES **46**8

Post Office Box 201265



SCALE N/A DATE

NUMBER

12/04/15

PERMIT#

ABBREVIATION	TREE TYPE	APPENDIX F
AM ELM	American Elm	Υ
ASH	Ash, presumed Green	Υ
BDA	Bois d' Arc	Υ
BE	Boxelder	Υ
СВ	Chinaberry	INVASIVE
CDR	Cedar (Juniperus virginiana)	Υ
CE	Cedar Elm	Υ
ELM	Elm, presumed American	Υ
НВ	Hackberry	Y
LO	Oak, Live	Y
00	Osage Orange	N
PCN	Pecan	Y
RED OAK	Oak	Υ
SP OAK	Oak	Υ
WIL	Willow, presumed Black	Υ

Tree No.	Type	Size		Mitigation Rate	<u>Status</u>
453	CE - MT	11	"		Remain
455	CE	6	"		Remain
456	CE	18	"		Remain
457	CB - MT	13	"		Remain
459	CE	14	"		Remain
589	CE	11	"		Remain
590	LO	24	"		Remain
591	CE	11		50%	Remove
593	CE	17	"		Remain
597	SP OAK	11	"		Remain
598	LO	37.5	"		Remain
600	LO	19	"		Remain
679	СВ	18	"		Remain
681	CE	9	"		Remain
683	CE	9	"		Remain
685	СВ	14	"		Remain
686	PCN	8	ıı		Remain
687	СВ	12.5	"		Remain
691	НВ	14	"		Remain
694	CE	13	"		Remain
695	НВ	10	"		Remain
696	НВ	11	"		Remain
701	НВ	5	"		Remain
702	НВ	12		50%	Remove
703	НВ	8		50%	Remove
704	СВ	10		0%	Remove
801	LO	28	"	0 /6	Remain
802	LO - MT	35	"		Remain
803	LO - MT	29	"		Remain
804	CE - MT	17	"		Remain
			"		
805	LO - MT	21	"		Remain
806	СВ	5	"		Remain
807		7	"		Remain
808	CB	6	"		Remain
809	LO - MT	42	"		Remain
810	RED OAK	7	"		Remain
811	CDR - MT	26	"		Remain
812	WIL - MT	21	"		Remain
813	HB	10	"		Remain
814	ASH	5			Remain
815	ASH	6	"		Remain
816	ASH	8	"		Remain
817	DEAD CB - MT	7	"		Remain
818	НВ	14	"		Remain
819	ASH	5	"		Remain
820	CE	20	"		Remain
821	CE	5	"	50%	Remove
822	UKN	9	"		Remain
823	CE	5	"		Remain
824	CE	4	"		Remain
		1	"		Remain
825	CE	11			
825 826	CE CE	11	"		Remain
			"		Remain Remain
826	CE	11		50%	
826 827	CE CE	11	"	50% 50%	Remain
826 827 828	CE CE	11 11 14	"		Remain Remove

Toola No.	Turns	0:		Mitigation Data	04-4
Tree No.	<u>Type</u>	Size		Mitigation Rate	<u>Status</u>
831	ELM	9	"		Remain
832	CE	9			Remain
833	CE	6	"		Remain
834	CE	8	"		Remain
835	CE	8	"		Remain
836	CB - MT	15	"		Remain
837	CE	4	"		Remain
838	СВ	9	"		Remain
839	CE	5	"		Remain
840	HB - MT	8	"		Remain
841	AM ELM	6	"		Remain
842	BDA - MT	7	"		Remain
843	НВ	6	"		Remain
844	ASH	10	"		Remain
845	НВ	6	"		Remain
846	CE	7	"		Remain
847	СВ	11	"		Remain
848	СВ	17	"		Remain
849	CE	12	"		Remain
850	НВ	11	"		Remain
851	НВ	4	"		Remain
852	НВ	12	"		Remain
853	НВ	9	"		Remain
854	CE	14	"		Remain
855	СВ	13	"		Remain
856	НВ	4	11		Remain
857	НВ	4	"		Remain
858	НВ	6	"		Remain
860	НВ	8	"		Remain
861	НВ	6	"		Remain
862	НВ	6	"		Remain
863	PCN	6	"		Remain
864	НВ	11	"		Remain
865	UKN	7	"		Remain
866	AM ELM	8	"		Remain
867	AM ELM	5	"		Remain
868	СВ	8	"		Remain
869	LO	31	"		Remain
870	AM ELM	7	"		Remain
871	CE	4	"		Remain
873	СВ	5		0%	Remove
874	СВ	5		0%	Remove
876	НВ	6	"	X	Remain
877	LO - MT	30	"		Remain
878	СВ	6	"		Remain
879	СВ	6	"		Remain
880	СВ	6	"		Remain
881	СВ	9	"		Remain
882	СВ	5	11		Remain
883	СВ	11	"		Remain
884	СВ	8	"		Remain
885	CE	5	ıı .		Remain
886	CE	11	"		Remain
887	CB	5	"		Remain
888	СВ	6	"		Remain
889	CE	7	"		Remain
889	HB	8	"		Remain
890		7	"		
	HB BOISD'ARK		"		Remain
892		6	"		Remain
893	HB	7	"		Remain
894	CE		"		Remain
895	CB MT	9	"		Remain
896	CB - MT	14	"		Remain
898	CE DED	12	"		Remain
899	BOX ELDER	10	"		Remain
900	HB	12			Remain
901	HB	8	"		Remain
902	CB	11	"		Remain
903	НВ	5	"	50%	Remove
904-A	СВ	8	"		Remain
904-B	AM ELM	7	"	50%	Remove
905-A	СВ	10	"		Remain
905-B	СВ	8	"	0%	Remove

Tree No.	Туре	Size		Mitigation Rate	Status
906-A	SP OAK	8	ıı .		Remain
906-B	СВ	18	"		Remain
907-A	НВ	8	"		Remain
907-B	НВ	5	"		Remain
908-A	СВ	8	"		Remain
908-B	НВ	4	"		Remain
909-A	LO	15	"		Remain
909-B	AM ELM	5	"		Remain
910-A	CE	16	"		Remain
910-B	CB - MT	13	"		Remain
911-B	CE	16	"		Remain
912-A	LO	31	"		Remain
912-B	НВ	11	"		Remain
913	AM ELM	5	"		Remain
914	CE - MT	14	"		Remain
915-A	CE	19.5	"		Remain
915-B	CB - MT	10	"		Remain
916-A	CE	9	"		Remain
916-B	CE - MT	6	"		Remain
917	LO	37	"		Remain
918	CE	8	"		Remain
919	LO	29.5	"		Remain
951	CDR	9	"		Remain
954	CE	8	"		Remain
955	SP OAK	19	"		Remain
958	ELM	10	"		Remain
978	CDR	9	"		Remain
980	CDR	8	"		Remain
982	НВ	9	"		Remain
986	CE	9	"		Remain
989	CE	9	"		Remain
992	СВ	12	"		Remain
993	LO	33	"		Remain
997	CE	8	"		Remain
998	НВ	10	"		Remain
2574	CDR	8	"		Remain
2578	CDR	14	"		Remain
2580	CDR	14	"		Remain
2582	CDR	12	"		Remain
2583	CDR	9	ıı .		Remain

MITIGATION CALCULATIONS

MITIGATION REQUIRED

WASTEWATER PIPELINE PROJECT: (WATERS PARK INTERCEPTOR RELIEF MAIN) TOTAL CALIPER INCHES REMOVED

(EXCLUDING INVASIVES) REQUIRED MITIGATION 160"

GEOTECHNICAL ACCESS CLEARING: PREVIOUSLY APPROVED BY CoA PARD REQUIRED MITIGATION

TRAIL PROJECT: TOTAL REMOVED CALIPER INCHES

(EXCLUDING INVASIVES)

TOTAL MITIGATION REQUIRED 36" (REFER TO RATES IN TREE LIST, THIS SHEET)

MITIGATION PROPOSED

TOTAL MITIGATION REQUIRED: (ALL THREE "PROJECTS" COMBINED) TOTAL MITIGATION PROVIDED:

(THROUGH PROPOSED TREES**) 15 BO @ 3" = 45" 15 CE @ 3" = 45" 20 DW @ 2" = 40" 17 LCO @ 2" = 34"

5 LO @ 3" = 15" 11 ML @ 1.5" = 16.5" 25 MP @ 2" = 50" 5 PH @ 1.5" = 7.5" 12 TP @ 1.5" = 18"

** REMAINDER OF REQUIRED MITIGATION WILL BE PROVIDED THROUGH ENHANCED MAINTENANCE OF EXISTING TREES IMPACTED BY CONSTRUCTION OF THIS PROJECT AND PAYMENT TO TREE FUND DESIGNATED BY CoA REVIEW STAFF.

906-A	SP OAK	8	"	Remain	
906-B	СВ	18	"	Remain	
907-A	НВ	8	"	Remain	
907-B	НВ	5	"	Remain	
908-A	СВ	8	"	Remain	
908-B	НВ	4	"	Remain	
909-A	LO	15	"	Remain	
909-B	AM ELM	5	"	Remain	
910-A	CE	16	"	Remain	
910-B	CB - MT	13	"	Remain	
911-B	CE	16	"	Remain	
912-A	LO	31	"	Remain	
912-B	НВ	11	"	Remain	
913	AM ELM	5	"	Remain	
914	CE - MT	14	"	Remain	
915-A	CE	19.5	"	Remain	
915-B	CB - MT	10	"	Remain	
916-A	CE	9	"	Remain	
916-B	CE - MT	6	"	Remain	
917	LO	37	"	Remain	
918	CE	8	"	Remain	
919	LO	29.5	"	Remain	
951	CDR	9	"	Remain	
954	CE	8	"	Remain	
955	SP OAK	19	"	Remain	
958	ELM	10	"	Remain	
978	CDR	9	"	Remain	
980	CDR	8	"	Remain	
982	НВ	9	"	Remain	
986	CE	9	"	Remain	
989	CE	9	"	Remain	
992	СВ	12	"	Remain	
993	LO	33	"	Remain	
997	CE	8	"	Remain	
998	НВ	10	"	Remain	
2574	CDR	8	ıı .	Remain	
2578	CDR	14	"	Remain	
2580	CDR	14	"	Remain	
2582	CDR	12	"	Remain	
2583	CDR	9	"	Remain	



TREE LIST AND MITIGATION INFORMATION



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