



The Grove at Shoal Creek Tree Disposition Plan

July 13, 2016

Exhibit J

Sheet 1 of 2

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THE GROVE AT SHOAL CREEK TREE SURVEY

TREE #	SPECIES	DBH	TOTAL APPENDIX F PROTECTED TREES SURVEYED	TOTAL APPENDIX F TREE INCHES TO BE SAVED		TOTAL APPENDIX F TREE INCHES MAY BE REMOVED		TOTAL NON-APPENDIX F TREE INCHES MAY BE REMOVED	TOTAL BYPASSIVE TREE INCHES REMOVED (NO MITIGATION)	ARBORIST'S RATING *SEE ARBORIST REPORT FOR = NO RATING
				HERITAGE	PROTECTED >18"	HERITAGE	PROTECTED >18"			
3084	LIVE OAK	20	30				20			3/4
3085	COTTONWOOD	40	40				40			2
3086	CHINESE YALLOW	33							13	3
3087	PECAN	23	23				23			3
3088	PECAN	20	20				20			3/4
3089	HACKBERRY (M)	27	27				27			3
3078	CRAPPE MYRTLE	22						22		3
3079	ARBORVITAE	28						28		3
3077	LOUSTRUM (M)	25							25	NR
3075	PECAN (M)	22	22				22			3
3074	PECAN (M)	31	31			31				3
3073	PECAN (M)	27	27			27				2/3
3072	PECAN (M)	24	24			24				3
3071	PECAN (M)	28	28			28				3
3070	AMERICAN ELM	24	24			24				2
3069	HACKBERRY	19	19		19					2
3068	CHINESE YALLOW	20							20	3
3067	CHINESE YALLOW	23							23	3
3066	CHINESE YALLOW	23							23	3
3065	CHINESE YALLOW (M)	28							28	NR
3064	PECAN (M)	23	23				23			NR
3100	CHINA BERRY (M)	23							23	2
3091	PECAN (M)	26	26			26				2/3
3090	PECAN (M)	26	26			26				2
3089	PECAN (M)	24	24			24				3
3088	PECAN (M)	24	24			24				3
3087	PECAN (M)	19	19				19			3
3086	PECAN (M)	21	21			21				2
3085	PECAN (M)	25	25			25				2
3084	PECAN (M)	23	23			23				2/3
3219	LIVE OAK	32	32			32				3
3211	CEDAR ELM	23	23				23			2/3
3212	LIVE OAK	31	31							3
3213	LIVE OAK	19	19		19					3
3214	CEDAR ELM	19	19		19					3/4
3215	LIVE OAK	36	36		36					3
3218	LIVE OAK	28	28		28					3
3217	LIVE OAK	30	30		30					3/4
3218	LIVE OAK	19	19		19					3
3219	LIVE OAK	34	34		34					3/4
3220	LIVE OAK	78	78		78					3/4
3221	LIVE OAK	35	35		35					1
3222	LIVE OAK	31	31		31					3
3223	LIVE OAK	35	35		35					3/4
3224	LIVE OAK (M)	40	40		40					3
3225	LIVE OAK (M)	38	38		38					4
3226	LIVE OAK (M)	25	25		25					3/4
3227	CEDAR ELM	24	24		24					2
3228	LIVE OAK (M)	37	37		37					3
3229	LIVE OAK	19	19		19					3/4
3230	LIVE OAK	28	28		28					3/4
3231	PECAN (M)	21	21			21				2
3232	PECAN (M)	26	26			26				2/3
3233	LIVE OAK (M)	33	33		33					3/4
3234	LIVE OAK	27	27		27					3/4
3235	LIVE OAK	19	19		19					3
3236	LIVE OAK	43	43		43					3
3237	LIVE OAK	25	25		25					3/4
3238	LIVE OAK (M)	41	41		41					3/4
3239	LIVE OAK	22	22		22					3
3240	LIVE OAK	20	20		20					3
3241	LIVE OAK	29	29		29					3/4
3242	LIVE OAK	19	19		19					3/4
3243	LIVE OAK	33	33		33					3
3244	LIVE OAK	34	34		34					3/4
3245	LIVE OAK	32	32		32					4
3246	LIVE OAK	26	26		26					3/4
3247	LIVE OAK	22	22		22					3/4
3248	LIVE OAK	28	28		28					3/4
3249	LIVE OAK	28	28		28					3/4
3250	LIVE OAK	28	28		28					3/4
3251	LIVE OAK	20	20		20					2/3
3252	LIVE OAK	20	20		20					3/4
3253	LIVE OAK	23	23		23					3
3254	LIVE OAK	27	27		27					3/4
3255	LIVE OAK (M)	22	22		22					3
3256	CEDAR ELM	20	20		20					2
3257	LIVE OAK (M)	43	43		43					3/4
3258	LIVE OAK (M)	45	45		45					3
3259	LIVE OAK (M)	37	37		37					3
3260	LIVE OAK	19	19		19					3
3261	LIVE OAK	25	25		25					3
3262	LIVE OAK	23	23		23					3
3263	LIVE OAK	23	23		23					3
3264	LIVE OAK	31	31		31					3
3265	LIVE OAK	20	20		20					3
3266	LIVE OAK	20	20		20					3
3267	CEDAR ELM	19	19			19				3
3268	LIVE OAK	42	42		42					3/4
3269	LIVE OAK	44	44		44					3
3270	LIVE OAK	25	25		25					3
3271	LIVE OAK	24	24		24					4
3272	LIVE OAK	25	25		25					4
3273	LIVE OAK	20	20		20					3
3274	LIVE OAK	26	26		26					2/3
3275	LIVE OAK	22	22		22					3
3276	LIVE OAK	22	22		22					3
3277	LIVE OAK	28	28		28					3
3278	LIVE OAK	22	22		22					4
3279	LIVE OAK	24	24		24					3
3280	LIVE OAK	27	27		27					3
3281	LIVE OAK	32	32		32					4
3282	CEDAR ELM	21	21			21				NR
3283	LIVE OAK	27	27		27					3
3284	LIVE OAK	27	27		27					3
3285	LIVE OAK	28	28		28					3
3286	CEDAR ELM	21	21			21				NR
3287	LIVE OAK	40	40		40					NR
3288	LIVE OAK	21	21		21					3
3289	LIVE OAK	23	23		23					3
3290	LIVE OAK	35	35		35					3
3291	LIVE OAK	19	19		19					3
3292	LIVE OAK	43	43		43					NR
3293	CEDAR ELM	28	28		28					2
3294	LIVE OAK	35	35		35					3
3295	LIVE OAK	40	40		40					3
3296	CHINA BERRY (M)	20							20	2
3297	CHINA BERRY (M)	21							21	2
3298	LIVE OAK	38	38		38					3
3299	LIVE OAK	30	30		30					1/2
3300	LIVE OAK (M)	32	32		32					NR
3301	CEDAR ELM	21	21			21				NR
3302	HACKBERRY (M)	20	20			20				NR
3417	CEDAR ELM (M)	19	19			19				3
3507	MESQUITE (M)	21	21		21					3
3508	MESQUITE (M)	21	21		21					3
3517	MESQUITE (M)	28	28		28					3
3514	CEDAR ELM (M)	24	24		24					3
3517	MESQUITE (M)	34	34		34					3
3519	CEDAR ELM (M)	21	21		21					3
3520	MESQUITE (M)	25	25		25					3
3520	LIVE OAK	22	22		22					3
3520	LIVE OAK	30	30		30					3
3520	GLAD DANIELIA (M)	22							22	3
3540	CHINA BERRY (M)	20							20	3
3547	CHINA BERRY (M)	20							20	3
3557	SIERRA ELM (M)	24						24		3
3547	SEAD (M)	20						20		3
3548	HACKBERRY (M)	19	19		19					3
3548	HACKBERRY (M)	19	19		19					3
3577	HACKBERRY (M)	28	28		28					3
3574	HACKBERRY (M)	22	22		22					3
3543	CHINA BERRY (M)	22							22	3
3543	HACKBERRY	19	19		19					3
3807	CHINA BERRY	22							22	3
3814	HACKBERRY (M)	25	25		25					3
3815	HACKBERRY (M)	21	21		21					3
3818	MESQUITE (M)	19	19		19					3
3817	MESQUITE (M)	25	25		25					3
TOTAL			3,561	1,918	826	285	932	72	318	
TOTAL INCHES				1,734	826	852	932		318	

TOTAL APPENDIX F TREE INCHES SURVEYED:	3,561	
TOTAL APPENDIX F TREE INCHES SAVED:	2,744	77% OF TOTAL INCHES SAVED
TOTAL APPENDIX F TREE INCHES MAY BE REMOVED:	837	23% OF TOTAL INCHES SAVED

Notes:

- Arborist rating 2 = poor. Trees # 3080, 3202, 3207 & 3232 were rated poor by the applicant's arborist and reviewed in the field by City Arborist Michael Embesi.
- Applicant is committing to save a minimum of 75% of Appendix F (Native) Protected size trees as shown in this table. Trees shown as saved may be removed if a similar size, similar condition tree noted for removal is substituted at Site Plan review.
- A mitigation rate of 100% shall be required for trees #3080, 3202, 3207 & 3232 (note that mitigation is typically not required for trees in this condition, but a 100% mitigation rate is offered as an element of superiority). A mitigation rate of 300% shall be required for any other Heritage Trees that are removed. All other trees shall be mitigated per the Environmental Criteria Manual.
- The applicant shall provide a tree care plan for all preserved protected and heritage trees on site. The applicant shall allot a minimum of \$100 toward this plan for each inch of heritage trees removed from the site. This shall be above and beyond any mitigation required for these trees. The tree care plan shall prioritize remediation of construction impacts through air spading, root pruning, deep root fertilizing, and/or other practices as recommended by a certified arborist. Basic watering, mulching, and fencing during construction are assumed to be provided as best practices and would not count toward fulfillment of the tree care plan.
- For protected and heritage trees identified on the plan as "Signature Grove Trees", cut in the 3/4 Critical Root Zone (CRZ) shall not exceed 4". This requirement may be administratively reduced to the 1/2 CRZ if a minimum of 75% of the total area of the full CRZ is preserved and a tree care plan in the amount of \$100 per caliper inch is provided for the tree in question.
 - Any cuts within the 3/4 CRZ of these trees shall be made with an airspade or air knife and hand pruning prior to machine excavation.
 - Stormwater pipes to and from the water quality pond shall not be permitted to impact the full CRZ of Heritage Trees in the Signature Grove.
 - Where high intensity, hardscape uses are planned around heritage trees located in the signature grove, the use areas should be constructed with decks, sand bridging, or other root bridging constructions to avoid heavy disturbance or compaction of the 1/2 CRZ of these trees.
- Full tree mitigation in the form of tree plantings shall be provided within the site plan proposing the tree removal. Under no circumstances will the required tree mitigation be planted on one site plan to address the tree mitigation owed on a different site plan. Payment into the tree fund is not an acceptable form of mitigation for the trees indicated on this Plan. Regardless of maximum entitled impervious cover, applicant may need to reduce impervious cover, increase caliper of proposed trees, or provide other measures as necessary to facilitate full on site tree mitigation planting within a given site plan.

H = Heritage Tree; S = Trees in the Signature Grove (See Note 5)