



Don Gardner
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**TREE CARE
RECOMMENDATIONS
FOR**

LIVE OAK GROVE

**ON FORMER
TX DOT PROPERTY
LOCATED NEAR THE
INTERSECTION OF
BULL CREEK ROAD AND 45TH STREET**

SPRING, 2015

**PRODUCED FOR
MILESTONE BUILDERS
NORRIS DESIGN**

**Produced By
Don Gardner, RCA
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LEGEND FOR ABBREVIATIONS USED IN THE FIELD REPORT FORMS

By Don Gardner, RCA

- RV:** Remove volunteers. The areas around and between the trees has been mowed using a tractor and shredder for many years. Fortunately, the mowers stayed away from the bases of trees and did not regularly hit them, which is often the case. However, in the spaces between the mowed areas and the tree trunk bases, many young sapling trees have grown. They range from one-half inch to three inches in diameter. In many instances there are so many volunteer trees and shrubs around the bases, one can barely get to the tree. The volunteer tree root systems are becoming interwoven with the large tree's root system. All of these volunteers must be removed. This work must be done carefully and sensitively.
- DW:** Prune dead wood two inches in diameter and larger. Pruning large dead and decayed wood minimizes and prevents larger decay in trees, prevents many structural problems from happening, and preserves the tree many more years. Proper and skilled pruning, according to International Society of Arboriculture standards, is critical to preserving trees.
- Rep.:** Repair is a pruning term that means to prune broken branches (usually caused by high winds) properly so the wound will close and decay will be minimized.
- Train:** When tree crowns grow into each other, become tangled and branches interwoven, training prunes to separate the trees so they don't constantly rub wounds and cause broken and dead branches.
- Vines:** Wild grape vines and poison ivy vines are not good for trees. They eventually shade out and break canopy branches.

4-17-15 PL

1=dead or dying 2-poor 3-fair 4-good

Tree ID	Tree Species	Vigor	Structure	RATING 1-4	Maint. Task	Maint. Priority	Tree Comment
3211	C elm						RV = remove up until hole around base
3212	LO						RV, DW, repair, remove low branch over stall
3213	LO						DW, repair remove chemicals
3215	LO						RV, DW, Repair
3214	C elm						RV DW, repair
3608	LO				Three 5/8" tree		RV Repair ends
3609	LO				know if possible		RV Repair DW, leave DW, repair
3216	LO						RV DW, repair
3926	LO						RV, DW, Rep
3217	LO						RV DW, rep.
3218	LO						RV DW, rep.
3925	LO						RV

P2

Tree ID	Tree Species	Vigor	Structure	Observations	Maint. Task	Maint. Priority	Tree Comment
3927	LO						Remove. Trunk lateral
3928	elm.		DW	repair	RV - Deep		and i-camber station curb
3219	LO						RV, DW, rep
3220	LO						RV, DW, rep
3233	LO						RV, DW, rep, remove wires.
3234	LO						RV, DW, rep
3235	LO						RV, DW, rep
3236	LO		Crown mitigo				RV, DW, rep. portion way
3238	LO		> 1 crown				RV, DW, rep, remove
3237	LO		>				RV, DW, rep, vines
3241	LO						RV, DW, rep, vines
3242	LO						RV, DW, rep.
3239	LO						RV, DW, rep, train
3240	LO						RV, DW, rep, train
3244	LO						RV, DW, rep, train
3245	LO						DW, Rep, train
3251	LO						RV, DW, Rep, wires

PR3

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Tree ID	Tree Species	Vigor	Structure	RATING 1-4	Maint. Task	Maint. Priority	Tree Comment
3252	LO						RV, DW, Rep, Vines, Train
3253	LO						RV, DW, Rep, Vines, Train
3254	LO						RV, DW, Rep, Train
3255	LO						RV, DW, rep
3246	LO	/	1 Crown				RV, DW, rep, Train
3247	LO	/					RV, DW, rep, Train
3248	LO						RV, DW, rep, Train
3249	LO						RV, DW, rep, Train
3250	LO						RV, DW, rep, Train
3224	LO						RV, DW, Rep, Vines
3225	LO						RV, DW, rep, Train, Vines
3226	LO						RV, DW, rep, Train

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Tree ID	Tree Species	Vigor	Structure	RATING 1-4	Maint. Task	Maint. Priority	Tree Comment
3221	LO						Dead - remove
3220	LO						RV, DW, rep
3222	LO						RV, DW, rep
3223	LO						RV, DW, rep, Vins
3257	LO						RV, DW, rep, Vins
3296	Sm						Remove - center leader, broken
3228	LO						RV, DW, Rep
3229	LO						RV, DW, Rep
3230	LO						RV, DW, Rep
3227	Sm						RV, DW, Rep
3258	LO						RV, DW, Rep
3259	LO						RV, DW, Rep

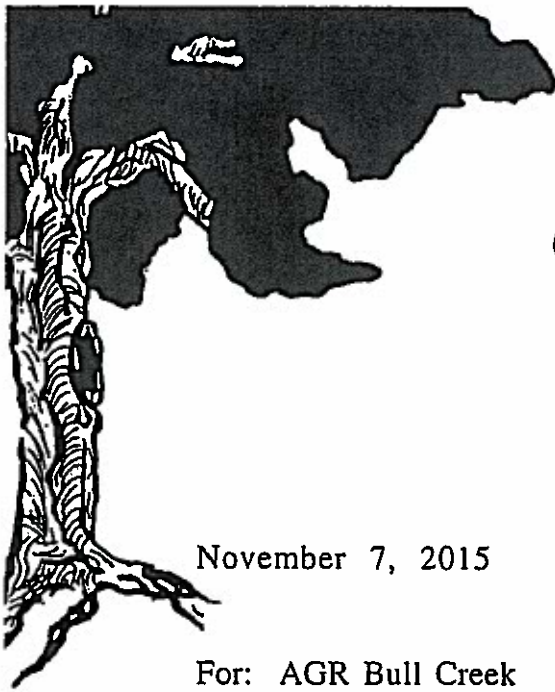
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Tree ID	Tree Species	Vigor	Structure	RATING 1-4	Maint. Task	Maint. Priority	Tree Comment
3260	LO						RV, DW, Rep
3261	LO						RV, DW, Rep
3262	LO						RV, DW, Rep
3265	LO						RV, DW, Repair, Veneer
3266	LO						RV, DW, Repair, Veneer
3263	LO						RV, DW, Repair
3264	LO						RV, DW, Repair
3268	LO						RV, DW, Rep
3269	LO						RV, DW, Repair, Veneer
3267	Quercus						RV, DW
3295	LO						RV, DW, Repair, Veneer Remove damaged limbs
3293	Quercus						RV, DW, Repair, Veneer to sprout

MT=minor

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Tree ID	Tree Species	Vigor	Structure	RATING 1-4	Maint. Task	Maint. Priority	Tree Comment
3294	LO						RV, DW, Asp, Vains
3297	LO	no tree tag					RV, DW, Asp, Vains elevate outside edge of road
3298	LO						
3299	-	most hole					
3299	LO						RV, DW, Asp, Vains
3299	LO						RV, DW, Asp, Vains
3299	LO						RV, DW, Asp, Vains
3299	LO						RV, DW, Asp, Vains
3299	LO						RV, DW, Asp, Vains
3299	LO						RV, DW, Asp, Vains
3300	LO						DW, Asp



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**PECANS ON
THE GROVE SITE**

November 7, 2015

For: AGR Bull Creek

I examined all protected trees on this entire site in February and March, 2015.

The magnificent live oak grove is a natural wonder. How can trees this old be so healthy and vigorous? Now, the job is to make sure they stay healthy. Protecting 3/4 of the critical root zone, which I've heard is proposed, is one of the ways to do that.

Most of the pecans on the site, however, are an altogether different story. They are all planted pecan varieties, not native pecans.

Orchardists have been developing new pecan varieties for decades. None are as good a tree (i.e., hardy, strong structure, long-lasting) as the old, original native varieties. Some varieties are better than others, but some are truly horrendous and should have never gotten out into the landscape market.

These varieties are not good, strong pecan trees, but are weak with multiple structural issues. They have more in common with Arizona ash trees, with notorious flaws, than with native pecan trees.

The health of a tree can go bad, or the structure can go bad.

The structural issues with the pecans in question include, 1) poor branch attachment, 2) co-dominant trunks with one trunk growing laterally, not upward, and 3) included bark that holds water, and decays easily and rapidly.

In addition, pecans have the reputation for branch breakage, which they deserve. And, it can be counted on, the newer varieties will break when they get a little size and weight on them.

Further, due to prolonged heat and drought, many of the pecans at this site, like pecans all over central Texas, have major crown dieback, with all the decay and structural issues that come with large dead wood.

Someone planted poor pecan varieties and they lasted a while. But now, the trees are coming apart. They should be removed.

Unfortunately, the pecans are not good, strong, long-lived natives like the live oaks in the groove.

Please contact me if you have any questions.



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FAX

2-10-2015

13 PAGES TOTAL

To: Robert Deegan

From: Don Gardner, Consulting Arborist



Enclosed please find the 12 pages of ^{completed} evaluation forms
for the Milestone project.

Bull Creek Project 2-4-75

1=dead or dying 2=poor 3=fair 4=good

2-4-15

P1

Tree ID	Tree Species	Vigor	Structure	RATING 1-4	Maint. Task	Maint. Priority	Tree Comment
3065	Western wood			2			2 medium cankers of ^{rose} rose ^{berry} periderm 15" high surface wett. from pruning
3064	live oak			3/4			planted 20-evels is follow protected?
3085	Tallow			3			
3084	Tallow			3	DW repair		
3083	Tallow			3	"		
3082	C. slm			3	"		18" - not 20" trunk decay / branch decay / mistake
3081	Hook Newy			2			CO-bow, support 1, crown 400 gone wet wood, decay products
3080	awf slm			2			
3067	Potom			3	DW repair		
3066	Tallow 33			3	"		
3073	LYGUS TRM MULTI		TRUNK				Not protected
3072	dead ambrosia		stems	1			

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2-16-15

112

Tree ID	Tree Species	Vigor	Structure	RATING 1-4	Maint. Task	Maint. Priority	Tree Comment
3071	Purple myrtle			3			18.5 inches
3070	"			3			22 inches
3068	Potamo			3/4	DN repair		multiple co-dom, very weak structure
3069	Rock Kewy			2			
3073	Potamo			3	DN repair		27 inches Unravel from low stem area 450. Over extended
3076	Potamo			3	"		18" Very good structure Weak. the Trunk with breaks
3074	Potamo			2			18" Been de-limbed
3077	Potamo			2/3			27"
3078	Potamo			3			Over extended branch
3079	Potamo			3			Over extended branch

live oaks not on tree list

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2-8-15 P3

Tree ID	Tree Species	Vigor	Structure	RATING 1-4	Maint. Task	Maint. Priority	Tree Comment
3203	live oak (L.O)			3			
3284	"			3			
3285	"			3			
3270	"			4			
3281	"			4			
3280	"			3			old lightning on fire scar strike
3277	"			3			
3278	"			4			
3279	"			3			
3271	"			3			live oak
3272	"			4			
3273	"			3			live oak + 90° trunk bend

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7-6-15 P.6

Tree ID	Tree Species	Vigor	Structure	RATING 1-4	Maint. Task	Maint. Priority	Tree Comment
3211	C elm			2/3			much mistletoe + dead stem breaks
3212	L0			3			31"
3213	L0			3			18.5"
3215	L0			3			lightning strike clearing
3214	C elm			3/4			nest tree
3216	L0			3			28" Big stem break
3218	L0			3			
3217	L0			3/4			30' FAB
3925	16" L0			3			
3926	18" L0			3/4			
3220	L0			3/4			flound
3233	L0			3/4			33" rot + primary

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P.7

2-6-15

Tree ID	Tree Species	Vigor	Structure	RATING 1-4	Maint. Task	Maint. Priority	Tree Comment
3234	LO			3/4			
3235	LO			3			
3238	LO			3/4			Fusion trunk 40 + 1" dbh 1 trunk has actively started
3237	LO			3/4			25"
3243	LO			3			needs pruning preferred
3239	LO			3			11
3240	LO			3			
3241	LO			3/4			
3242	LO			3/4			
3236	LO			3			FAB
3246	LO			3/4			25" side stem doesn't count in dbh
3225	LO			4			Fusion trunk 50" + dbh FAB

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7-6-15

P 9

Tree ID	Tree Species	Vigor	Structure	RATING 1-4	Maint. Task	Maint. Priority	Tree Comment
3255	L0			3			22" ridge above dormant crown
3257	L0			3/4			3T number 60" flame
3227	C elm			2	poor 400M		low scaffold number lots low scaffold decaying main leader broken at 121'+ decaying.
3250	C elm			2			
3221	L0			1			
3219	L0			3/4			all live rear cavity closing
3210	L0			3			big scaffold breaks
3222	L0			3			old live rear cavity
3223	L0			3/4			35"
3228	L0			3			30" not counting big scaffold crown stem breaks
3229	L0			3/4			
3230	L0			3/4			

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2-6-15

PB

Tree ID	Tree Species	Vigor	Structure	RATING 1-4	Maint. Task	Maint. Priority	Tree Comment
3224	L0			3			
3244	L0			3/4			
3251	L0			4/3			Primary scaffold removed.
3252	L0			3/4			
3253	L0			3			
3245	L0			4			Pruned
3247	L0			3/4			
3246	L0			3/4			
3248	L0			3/4			
3249	L0			3/4			
3250	L0			3/4			
3254	L0			3/4			

3 together
are pruned

1=dead or dying 2-poor 3-fair 4-good 2-9-15 P:10

Tree ID	Tree Species	Vigor	Structure	RATING 1-4	Maint. Task	Maint. Priority	Tree Comment
3232	Persea			2/3			26" dead co-down - broken system Persea very! ^{poor} structure incomplete
3231	Persea			2			18"-19" active decay of co-down
3258	L-O			3			
3259	L-O			3			2 trunks 50 ft. circles
3265	L-O			3			18-19" Persea very
3266	L-O			3			
3263	L-O			3			
3262	L-O			3			
3261	L-O			3			
3260	L-O			3			
3264	L-O			3			
3267	Cedrus (part of Persea)			3			

(part of Persea)

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2-9-75 P11

Tree ID	Tree Species	Vigor	Structure	RATING 1-4	Maint. Task	Maint. Priority	Tree Comment
3296	Spine Aem			2			
3297	"			2			DW, already
3100	"			2			
3200	L0			3			
3298	L0			3			random long
3289	L0			3			
3299	L0			1-2			attract force of cups
3290	L0			3			
3291	L0			3			
3292	L0						35" Abundant Camps
3287	L0						40" Abundant Camps

