

Barton Springs Area Priority Tree Maintenance Matrix
DRAFT VERSION

PARD Notes							Private Arborists' Maintenance Recommendations		Recommended Maintenance Options to Address Safety Risks					
Davey ID	Tree Tag Number	Species	Diameter @ 4.5'	Tree Specific Considerations Potential Recommended Action Plan	Potential Salamander Impact	Urgent Action Needed	March 2009 Davey Resource Group	April 2009 Save Our Springs Don Gardner	Removal	Restrict Access	Prune	Monitor	Soil Treatment	Install Hardware cable/brace
n/a	6346	Hackberry	22	<i>Decay (rot) in trunk/limbs. Cavity. Irregular swelling throughout tree indicates extensive decay.</i> Based on consensus of opinions, PARD will apply for a permit from WPDR in order to remove this tree.		X	Not assessed	Not assessed	X					
n/a	NT033	Pecan	23	<i>Cavity at base of trunk. >50% is dead. Past branch breaks.</i> PARD will prune to eliminate dead wood and broken limbs.		X	Not assessed	Not assessed			X	X		
n/a	NT038	Walnut	24	<i>~80% of canopy is dead. Past branch breaks. Over train track.</i> PARD will prune to eliminate dead wood and broken limbs.		X	Not assessed	Prune; should have been removed already			X	X		
n/a	NT045	American elm	44	<i>Decay throughout tree. Large deadwood. Playscape.</i> Based on consensus of opinions, PARD will apply for a permit from WPDR in order to remove this tree.		X	Not assessed	Remove	X					
n/a	NT008	Ash	36	<i>Decay present in main stem. Past branch breaks. Short lived species.</i> PARD will perform a root collar excavation and confer with Don Gardner to determine appropriate treatment.			Not assessed	Requests further eval	?		?	?	?	?
2	6287	American elm	44	<i>Decay at base. High risk that entire tree will fall.</i> PARD will perform a root collar excavation and confer with Don Gardner to determine appropriate treatment.	X		Remove	Remove	?	?	?	?	?	?
7	5	Pecan	48	<i>Limited space for roots. Severe lean. Minimal structural roots. High risk that entire tree will fall.</i> Based on consensus of opinions, PARD will apply for a permit from WPDR in order to remove this tree.		X	Remove	Requests further eval (done). Rec removal	X					
9	802	Pecan	32	<i>Lean. Decay. Minimal structural roots. High risk that entire tree will fall.</i> PARD performed a root collar excavation and conferred with Don Gardner to determine appropriate treatment. Based on consensus of opinions, PARD will apply for a permit from WPDR in order to remove this tree.		X	Remove	Root collar excavation; poss removal	X					
10	6359	Pecan	32	<i>Risk can be reduced through targeted pruning. Conditions will be monitored.</i> Located in tree courtyard. PARD will prune to reduce crown, eliminate dead wood, and broken limbs. Site modifications will be planned and implemented, and soil replacement and root treatment will be scheduled.			Remove	Root collar excavation; prune; revamp planter; tree health care (THC)			X	X	X	
11	6358	Pecan	36	<i>Poor structure indicates reduced physical trunk support.</i> Located in tree courtyard. PARD will prune to reduce crown, eliminate dead wood, and broken limbs. Site modifications will be planned and implemented, and soil replacement and root treatment will be scheduled.			Remove	Don't remove; no maint rec; should have been removed already			X	X	X	
13	6356	Pecan	32	<i>Lean over building. High risk that entire tree will fall.</i> Located in tree courtyard. PARD will prune to reduce crown, eliminate dead wood, and broken limbs. Site modifications will be planned and implemented, and soil replacement and root treatment will be scheduled.			Prune	Remove planter; root treatment; THC			X	X	X	

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15	6354	Pecan	50	Multiple defects. High risk that entire tree will fall. PARD will prune to reduce crown, eliminate dead wood, and broken limbs. Site modifications will be planned and implemented, and soil replacement and root treatment will be scheduled.			Prune	Revamp planter; THC			X	X	X	
17	6353	Pecan	23	Lean over building. Canopy unbalanced. High risk that entire tree will fall. Access will be restricted to this tree. PARD will prune to reduce crown, eliminate dead wood, and broken limbs. Root treatment will be scheduled.			Prune	Prune; possible brace; root treatment; THC		X	X	X	X	
18	6292	Pecan	36	Advanced decay at ground level. High risk that entire tree will fall. Access will be restricted to this tree. PARD will prune to reduce crown, eliminate dead wood, and broken limbs. Root treatment will be scheduled.			Remove	Root treatment; monitor; THC		X	X	X	X	
19	6291	Pecan	35	By removing tree # 18 (tag #6292), this tree will be at a greater risk for total failure due to the change in site conditions and the existing poor physical structure of the tree itself. Access will be restricted to this tree. PARD will prune to reduce crown, eliminate dead wood, and broken limbs. Root treatment will be scheduled.			Prune, poss removal	Not assessed		X	X	X	X	
20	6293	Pecan	46	Tree is in reasonably good condition and by pruning to reduce the crown size the risk associated with the canopy will be reduced. PARD will prune to reduce crown, eliminate dead wood, and broken limbs. Root treatment will be scheduled.			Remove	Root treatment; monitor; THC			X	X	X	
30	NT092	Pecan	44	Prune to reduce the crown. Monitor. PARD will prune to reduce crown, eliminate dead wood, and broken limbs. Root treatment will be scheduled.			Remove	Root treatment; cable trunk; monitor; THC			X	X	X	
32	6284	Pecan	35	Lean. Limited space for roots. High risk that entire tree will fall. PARD will prune to reduce crown, eliminate dead wood, and broken limbs. Site modifications will be planned and implemented, and soil replacement and root treatment will be scheduled.			Remove	Root treatment; increase grow space; monitor; THC			X	X	X	X
34	6286	Pecan	45	This tree has few roots, small amounts of live tissue and no structural integrity due to advanced decay. High risk that entire tree will fall. Additional bracing will be installed. PARD will prune to remove dead wood.	X	X	Remove	Brace; prune; THC			X	X		X
36	NT094	Walnut	31	Decay at base, cavities in large limbs. High risk that entire tree will fall. Access will be restricted to this tree. PARD will prune to reduce crown, eliminate dead wood, and broken limbs. Root treatment will be scheduled.		X	Remove	Prune; cable; THC		X	X	X	X	
40	6255	Ash	52	Short lived species. Possibility for large limb to break. Access will be restricted to this tree. PARD will prune to reduce crown, eliminate dead wood, and broken limbs.			Prune	Should have been removed already; prune; install cables; monitor		X	X	X	X	
46	6281	Cottonwood	39	Decay in roots/trunk. High risk that entire tree will fall. PARD performed a root collar excavation and conferred with Don Gardner to determine appropriate treatment. PARD will prune to reduce crown, eliminate dead wood, and broken limbs. Root treatment will be scheduled.	X		Prune, poss removal	Prune; monitor; THC			X	X	X	

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47	6279	Cottonwood	26	<i>Decay in roots/trunk. High risk that entire tree will fall.</i> PARD performed a root collar excavation and conferred with Don Gardner to determine appropriate treatment. PARD will prune to reduce crown, eliminate dead wood, and broken limbs. Root treatment will be scheduled.	X		Prune, poss removal	Prune; monitor			X	X	X	
48	6280	Pecan	18	<i>Tree's roots already broke on one side.</i> No treatment at this time.		X	Remove	Don't remove; no maint rec				X		
50	6263	Pecan	35	<i>Decay at base. High risk that entire tree will fall.</i> PARD performed a root collar excavation and conferred with Don Gardner to determine appropriate treatment. Access will be restricted to this tree. PARD will prune to reduce crown, eliminate dead wood, and broken limbs. Root treatment will be scheduled.		X	Remove	Remove		X	X	X	X	
53	1129	American elm	36	<i>Roots damaged. Decay throughout trunk. Declining overall health. High risk that entire tree will fall.</i> PARD will prune to reduce crown, eliminate dead wood and broken limbs.	X	X	Remove	Remove; possibly prune			X	X		
54	1130	Pecan	36	<i>Decay throughout trunk. Limited space for roots. High risk that entire tree will fall.</i> Tree located in Sunken Garden. Access has been restricted. PARD will prune to reduce crown.	X	X	Remove	Root collar excavation; remove planter; prune; monitor; THC; fence area off		X	X	X		
55	1128	Pecan	38	<i>Decay throughout trunk. Limited space for roots. High risk that entire tree will fall.</i> Tree located in Sunken Garden. Access has been restricted. PARD will prune to reduce crown.	X		Remove	Root collar excavation & treatment; remove planter; prune; monitor; THC		X	X	X		
56	1127	Pecan	33	<i>Decay. Limited space for roots. High risk that entire tree will fall. The site is restricted from public use so removal of this tree is postponed. The reason for leaving this tree is for it to continue to provide shade to salamander habitat.</i> Tree located in Sunken Garden. Access has been restricted. PARD will prune to reduce crown.	X		Remove	Root collar excavation & treatment; remove planter; prune; monitor; THC		X	X	X		
57	6371	Cottonwood	41	<i>Decay in trunk. High risk that entire tree will fall. The site is restricted from public use so removal of this tree is postponed. The reason for leaving this tree is for it to continue to provide shade to salamander habitat.</i> Tree located in Sunken Garden. Access has been restricted. PARD will prune to reduce crown.	X		Remove	Fence off area & limit access or remove		X	X	X		
58	6370	Pecan	42	<i>Decay throughout tree. High risk that entire tree will fall.</i> Tree located in Sunken Garden. Access will be further restricted, fence perimeter will be increased. PARD will prune to reduce crown.	X	X	Prune, poss removal	Not assessed		X	X	X		

Pruning will be conducted per industry recognized standards. Dead branches and broken branches will be pruned back to appropriate branch connections.

All trees in the Barton Springs area will continue to be monitored for health and safety issues.