

Arborist Report

Remedial Tree Care for Zilker Park

Submitted on behalf of:

Gary Metcalf

Cadence Sports

3019 Alvin Devane Blvd. #1, Ste. 160, Austin, Texas 78741

This one-year plan is for 57 public trees impacted by the USA cycling national championships event that took place in Zilker Park from January 2nd- 13th, 2015. The route for the bicycle race was laid out in such a manner that cyclists crossed into and compacted areas within the critical root zones of trees (see attached pictures). An assessment of tree impacts performed on January 13th, 2015 notes the degree of critical root zone and ½ critical root zone impacts, as well as incorrect pruning cuts not exceeding more than 25% of the canopy for any given tree. The plans to improve tree conditions as a result of the event include the following and in the order provided.

- Make clean cuts on visible torn roots within the CRZ and provide corrective pruning cuts to tree branches (Completed by PARD Forestry on 1/14/2015)
- Cover exposed, torn roots within the CRZ (Completed by PARD Forestry on 1/14/2015)
- Spread any remaining mulch on site to no more than 3" deep within the CRZ of trees. Mulch should not be applied within 1' of the base of the trees. PARD Forestry will be notified when work is completed.
- Hire an ISA certified arborist to address soil compaction in the CRZ of impacted trees, according to the following specifications:
 1. Soil compaction will be addressed inside the CRZ of the tree (example: 12" dbh = 12' CRZ radius measured from the center of the trunk), wherever the cyclocross course passed through the CRZ, and wherever vehicle impacts or construction impacts occurred during the event dates provided above.
 2. Air spade technology will be used to decompact the affected areas and incorporate high-quality, organic compost into the existing soil. Compost used must be approved by PARD Forestry prior to use.
 3. Compost will be incorporated to a minimum depth of 6". In cases where 6" soil is not present, air spading shall be used to the depth of the soil.
- Cover ½ critical root zone of impacted trees with 3" of double-ground hardwood mulch. Mulch should not be applied within 1' of the base of the trees. Mulch shall also be applied immediately in areas where air spading occurred within the CRZ. For steep

slopes, erosion control netting shall be used to keep mulch in place. Regular inspections, as well as inspections immediately after a storm event, may be required to ensure mulch stabilization and accurate mulch depth in all areas.

- Restrict identified areas from compaction with aluminum posts and chain for one year. PARD Forestry will supply aluminum posts and chain until supply runs out. Additional fencing beyond this supply shall be the responsibility of Cadence Sports.
- Provide supplemental watering for one year. Trees are to be watered at 10 gallons per inch in diameter at breast height. There is a total of 1,187 inches of impacted trees. This amounts to 11,870 gallons of water per day for 32 watering days in a year. Watering shall occur every other week during the months of January- April, once per week from May-September, and every other week from October-December. Moisture levels in the soil may raise or lower the watering levels. Changes to the timeline must be requested through PARD Forestry.
- During the application of any of the treatments listed above, CRZs are not to be impacted by heavy equipment to avoid further compaction.

Plan implementation will begin immediately upon the City Arborist's approval and end 365 days from the approval date. Soil treatment, mulching, and restricting identified areas shall be completed within 30 days of approval. PARD Forestry shall be notified after the 30 day period to inspect completion. Any changes to this plan must be submitted in writing to PARD Forestry and the City Arborist and approval must be granted before moving forward with any changes.

Regards,

Regina Ramos

ISA Certified Arborist TX-3903A

City of Austin, Parks and Recreation Department