

Tree Protection Coordination					
Reference Document X.6.1					
Construction Activity #	Construction Activity <small>Activity that may impact protected tree</small>	Risks to Protected Trees	Risk Level <small>High/Med/Low</small>	Project Arborist Required? <small>Yes or No</small>	Mitigation Strategies <small>Provide: List of Strategies -</small>
1	Existing Building Demo	Equipment operation near protected trees  Damaging Tree roots of protected trees  Demolition debris may damage surrounding trees Demolition may release contaminates into the soil of surrounding trees - harming them  Removal of foundations may unearth protected tree roots and may damage the tree	Med  High  Low Med  High	Yes  Yes  No No  Yes	In in close proximity to protected trees, a spotter should be used. Hand dig/Vac around protected tree roots, or remove trees entirely to ensure there is no damage done. Put up additional protection around protected trees to ensure no falling debis damages trees. Use a spotter if necessary. Ensure area is clear of hazardous materials prior to demo  Hand dig/Vac around foundations near protected trees prior to removal
2	Utility Excavation and Trenching	Equipment operation near protected trees Excavation within protection zone of trees Unknown Landscaping irrigation may be damaged  Dumping Soil from excavations on site near protected trees	High High Med  Low	Yes Yes Yes  No	Use a spotter when operating close to protected trees Vac in lieu of excavator or dig by hand Review existing as built conditions - complete the dig permit  Ensure if soil is dumped on site, it is away from protected trees
3	City Infrastructure Improvements (Roadway and Sidewalk)	Trees need to be moved to add sidewalks or wider roadways Closure of roadway or sidewalk during construction Reroute of vehicle traffic during construction activities	High Low Low	Yes No No	Trees need to be properly removed and stored per city arborist requirements until roadwork is completed. Ensure there are clearly marked zones around protected zones. Ensure vehicle traffic is routed away from protected trees
4	Hardscaping/Paving/ New Landscaping	Trees need to be moved to make way for new construction work.  Planting new landscaping within close proximity to proteccted tree  Paving/ addition of hardscaping within close proximity to protected trees  Upheaval of existing sidewalks caused by tree roots may need to be replaced	High  Med  Med Med	Yes  Yes No Yes	Trees need to be properly removed and stored per city arborist requirements until the site  Hand dig new planting locations to ensure no roots are damaged. If needed, hand dig around protected trees, ensure proper precautions are taken when using equipment.  Tree roots will need to be protected while removing damaged curbs
5	New Building Construction/Foundations	Trees could be within the footprint of the new building  Footing excavation could damage protected tree roots  Trees may be withing close proximity to the new building and may get damaged during the process of construction  Dust/ materials may be get on the trees and be hazardous to their health.	High  High  Med Med	Yes  Yes No No	Trees could be moved to secodary location or transponated location if space is avaiable Hand dig/Vac around foundations near protected tree, or move trees completely. If equipment is being operated around protected trees, a spotter should be used. Trees may be covered during construction activities or moved to secondary locations during new construction
6	Site Coordination Material Handling/Deliveries	Material laydown on or around protected trees may damage the trees Materials stored around the trees - may spill and contaminate the soil - damaging the tree While off-loading material - may hit the tree canopy of protected trees  Trees that need to be transplanted may need to stored at a secondary location prior to being placed at their final location	Low Low Med  High	No No No  Yes	Keep materials away from protected tree areas Secondary containment for all hazardous materials Ensure there is a spotter when off-loading material  Trees need to be properly removed and stored per city arborist requirements until the site work is completed and trees may be planted in final location.