

# WHAT IS A TREE PROTECTION PLAN?

A Tree Protection Plan articulates how work is to be accomplished and the steps that will be taken to mitigate damage to trees on City Land. A Tree protection Plan may be a report and or a drawing.

Tree Protection Plan elements include:

- Inventory and locations of all trees and shrubs on City Land within 6 metres of all property lines of the site under development.
- Identify species, diameter at 1.4 metres off the ground, height and canopy width.
- Identify whether trees or shrubs are to be moved / removed or protected. (Written authorization from Parks Urban Forestry is required.)
- Identify whether tree pruning is required to provide clearance. (Written authorization from Parks Urban Forestry is required.)
- Identify a Tree Protection Zone in which activities are restricted. Minimally this zone is limited to the City of Calgary Land, 4 metre distance from the trunk and to depth 1.2 metres. The canopy of the tree is to be protected to the drip line.
- Locate staging, hoarding and storage areas of construction materials.
- Locate limits of land disturbance, excavation, trenching and grade changes, routing of utilities and irrigation systems, sidewalks, driveway, construction access roads, changes to street lighting, fire hydrants and utility boxes.
- Identify construction methods and equipment to be used on City of Calgary Lands. (Crossing City Road Right of Way may require a Street Use Permit.)
- Identify measures to ensure tree branches, trunk and roots are protected during construction. Measures should include effective branch and or root pruning, protective mulch, supplemental water, soil aeration and informational signage.
- Identify in metres squared the areas where protective fencing will be installed on City Road Right of Way. This information is required to calculate the cost of a Hoarding Permit.
- Identify pre and post construction care measures.
- Develop a communication plan that provides contact information for a designated individual responsible for ensuring work adheres to the approved Tree Protection Plan. The designated individual will also ensure contracted staff working at the development site is aware of the Tree Protection Bylaw and the Approved Tree Protection Plan.

### TREE PROTECTION MEASURES

**A. CONSTRUCTION EQUIPMENT AND MATERIALS SHALL NOT BE STORED IN THE TREE PROTECTION ZONE.**

**B. ALL STAGING, HOARDING AND STORAGE OF MATERIALS AND EQUIPMENT SHALL BE ON PRIVATE PROPERTY**

**C. AN URBAN FORESTRY TECHNICIAN SHALL BE CONTACTED TO BE ON-SITE AT THE FOLLOWING STAGES OF CONSTRUCTION:**

1. Commencement.
2. When existing north walkway is removed.
3. When clearance pruning commences.

Contact an Urban Forestry Technician at 3-1-1 .

**D. TREE PROTECTION MEASURES PRIOR TO AND DURING CONSTRUCTION:**

1. Branch pruning is required for clearance of new buildings.
2. If elevation pruning is required for installation of services, an indemnified contractor from the City Approved Contractors List must be used and written approval must be given from Parks Urban Forestry prior to pruning.
3. Root pruning as required during foundation excavations.
4. Apply protective mulch over tree protection zone.
5. Supplemental watering, when required.
6. Soil aeration, where required.
7. Provide signage instructing no construction work or material is to encroach in the tree protection zone unless authorized by an Urban Forestry representative.

**E. TREE PROTECTION MEASURES POST CONSTRUCTION:**

1. Supplemental watering, when required.
2. Soil aeration, where required.

**F. ON-SITE TREE PROTECTION ADMINISTRATOR:**  
John Doe  
Contact # 123-456-7891

The Tree Protection Administrator shall ensure all construction work adheres to the approved Tree Protection Plan and that all contracted staff working on-site are aware of the Tree Protection Bylaw and the Approved Tree Protection Plan.

### LEGEND

- PROPERTY LINE
- - - LIMIT OF LAND DISTURBANCE
- PROPOSED WATER LINE
- PROPOSED SEWER LINE
- PROPOSED GAS LINE
- PROPOSED ELECTRICAL LINE
- EXISTING TREE TO REMAIN & BE PROTECTED
- EXISTING TREE TO BE REMOVED

### TREE PROTECTION ZONE DETAIL

N.T.S.

**ELEVATION**  
SCALE AS NOTED

**SITE PLAN**  
SCALE AS NOTED

GREEN ASH DBH. 25cm HT. 10m CAN. 8m	ELM DBH. 75cm HT. 15m CAN. 15m	BUR OAK DBH. 15cm HT. 7m CAN. 5m
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REVISION/ADDITION	DRAWN BY	DATE
CHECKED BY      DATE		
CONSULTANT		
<b>CONSULTANT AS APPLICABLE</b>		
SEAL		
<b>PROFESSIONAL SEAL OR STAMP IF REQUIRED</b>		
CLIENT		
<b>ANY NAME &amp; ADDRESS</b>		
BASE DRAWN BY XXXX	DESIGN BY XXXX	
DATE XXXX / XX / XX	DATE XXXX / XX / XX	
SCALE 1 : 100		
PROJECT TITLE		
<b>ANY RESIDENCE</b>		
SHEET TITLE		
<b>TREE PROTECTION PLAN DRAWING REQUIREMENTS</b>		
SHEET NO. XX OF XX	FILE NO. XXXX	