6 STEP TREE CLIMBING PLAN (BC Edition)

ARBORICULTURE CANADA TRAINING & EDUCATION LTD

Step 1: Tree Structure Assessment

- Species _____
- Outer/Inner Perimeter _____
- Structural Stability (pull test, sounding, SRZ) _____

Step 2: Height, Anchor, Loads

- Tree Height _____ Tie In Point (TIP) Height _____
- Intended loads (1x, 2x climber) _____
- TIP, Canopy/Basal Anchor Inspection (Load Test) _____

Step 3: Equipment (Life Support)

- Harness, Textiles _____
- Hardware (Carabiners, Connecting Links) _____
- Cordage (Ropes, Prusiks, Lanyards) _____
- Mechanical Devices _____

Step 4: Escape, Rescue, and Communications

- Self-rescue, Assisted Rescue _____
- Communications _____
- Emergency Rescue Plan _____

Step 5: Systems, Assemblies and Cross Checks

- Identify Climbing System (MRS/SRS) _____
- Gear compatibility _____
- Whistle stop test _____

Step 6: Work Plan (Ascent, system transfer, belay, descent, exit)

- Ascent, work, descent systems _____
- System Changes, Advance TIP _____
- Two separate tie-in points _____
- Verify rope length _____

Tree & Work Risk Assessment Guide

ARBORICULTURE CANADA TRAINING & EDUCATION LTD

Arborist _____ Qualification/Certification #: _____

Date: _____ Work Order / Job #: _____

Site Address: _____

Work Activity Assessment: *(choose most appropriate work rating)*

High angle work, rigging, power tools, equipment, large falling debris, power lines, etc.	High angle work, rigging, power tools, equipment and large falling debris	High angle work, lifts, ladders, ropes, hand tools and equipment	Ground work, cutting, chipping, slashing and equipment	Assessment, inspection, driving
Technical	**Advanced**	**Intermediate**	**Basic**	**Simple**

Tree Risk Assessment with Tree Work Considerations

Rate the severity of defects in the four areas of the tree as indicated to the right, consider the following in each area. **R (Red) A (Amber) G (Green)**	**Scaffolds: size, fall distance**	**Trunk: size, fall distance**	**Pedestal: size, fall distance**	**Roots: zone location**
Health, Vigor, Physiology and Biology				
Defects, Cavities, Decay and Structure				
Dynamics, Harmonics, Wavelength and Moment				
Other: lightning, insect nests, wildlife, poison ivy/oak, etc.				

LIKELIHOOD OF TREE FAILURE & WORK CONSEQUENCE RISK ASSESSMENT RATING: (Use the majority risk rating and/or the most severe rating.)

Record level of tree and work activity risk assessment above into matrix axis x and y to determine <u>TREE WORK RISK.</u>

Work Risk	*Technical*	*Advanced*	*Intermediate*	*Basic*	*Simple*
Red	Threatening	Serious	Serious	Routine	Routine
Amber	Serious	Serious	Routine	Routine	Routine
Green	Serious	Routine	Routine	Routine	Routine

Assuming that you have trained and qualified workers, use these definitions:
<u>Threatening</u>: Life may be lost as likely as not.
<u>Serious:</u> Work injury as likely as not.
<u>Routine:</u> Unlikely an injury will result.

Work risk adjustment due to special conditions (wind, storms, lightning struck, insects, wildlife etc.)

☐ Increase Risk ☐ Decrease Risk

Explain:

Integrated Tree & Work Risk Assessment Rating

☐ THREATENING — High risk - tree should not be used for anchorage or support.

☐ SERIOUS — Careful planning and consideration required, use risk abatement tools and techniques.

☐ ROUTINE — Proceed and use caution as required in specifically identified areas.

Residual Risk Rating – upon completion of work. What risk remains?

Residual Risk	**Likelihood of failure risk rating**			
Target & Site Risks	Extreme	High	Moderate	None

Notes:

Next recommended inspection interval:

Signature: