



### LEGEND

- Site boundary
- Root protection zone (RPZ)
- #/#/# Deciduous tree w/Tag No.
- #/#/# Coniferous tree w/Tag No.
- X Tree to be removed
- Tree protection barrier
- ▲ CMT Tree
- ▲ Hazardous tree

## IMPACT MITIGATION

**Tree Protection Barrier:** The areas, surrounding the trees to be retained, should be isolated from the construction activity by erecting protective barrier fencing. Where possible, the fencing should be erected at the perimeter of the tree protection zones. The barrier fencing to be erected must be a minimum of 1200mm in height, of solid frame construction that is attached to wooden or metal posts. A solid board or rail must run between the posts at the top and the bottom of the fencing. This solid frame can then be covered with plywood, or flexible snow fencing. The fencing must be erected prior to the start of any construction activity on site (i.e. demolition, excavation, construction), and remain in place through completion of the project. Signs should be posted around the protection zone to declare it off limits to all construction related activity. The project arborist must be consulted before this fencing is removed or moved for any purpose.

**Excavation:** We recommend that no excavation occur within tree protection zones of trees that are to be retained. Any excavation that is necessary, within the working space setback of trees to be retained must be completed under the direction of the project arborist. If it is found, at the time of excavation, that the excavation cannot be completed without severing roots that are critical to the trees health or stability it may be necessary to remove additional trees.

**Demolition:** If tree removal is proposed to be undertaken in conjunction with demolition operations, tree removal permits may be necessary. Note that some municipalities may

not approve tree removal at this phase. If the municipality relaxes the requirement for barrier fencing installations prior to demolition (subject to onsite arborist supervision during demolition operations) a Letter of Undertaking may be required by the municipality.

**Material storage:** Areas must be designated for material storage and staging during the construction process. Ideally these areas will be located outside of the tree protection areas that will be isolated by barrier fencing. Should it be necessary to store material temporarily within any of the tree protection areas, the project arborist must be consulted.

**Mulch layer or plywood over heavy traffic areas:** Should it be necessary to access tree protection areas during the construction phase of the project, and heavy foot traffic or vehicular encroachment is required, we recommend that a layer of wood chip horticultural mulch or plywood be installed to reduce compaction. This project arborist must be consulted prior to removing or moving the protection barrier for this purpose.

**Pruning:**

- Once tree clearing has taken place we recommend that trees to be retained be pruned to remove deadwood, and to address any structural flaws.
- We recommend that any pruning of bylaw-protected trees be performed to ANSI A300 standards and Best Management Practices.

**Stump removal:** We recommend that, if stumps require removal, they are removed under arborist supervision, or ground using a stump grinder to avoid disturbing root systems of

trees in close proximity, that are shown on the tree management drawing to be retained.

**Windthrow:** Where forest edge trees are proposed to be removed, we recommend that trees that may experience an increase in wind exposure, be re-examined, once tree clearing has taken place, to ensure that they are structurally stable, and suitable for retention as leading edge trees.

**Paved areas over critical root zones of trees to be retained:** Where paved areas cannot avoid encroachment within critical root zones of trees to be retained, construction techniques, such as floating permeable paving, may be required. (specifications can be provided by the project arborist, in consultation with the design consultant).

**Landscaping:** Any proposed landscaping within the critical root zones of trees to be retained must be reviewed with the project arborist.

**Arborists Role:** It is the responsibility of the client or his/her representative to contact the project arborist for the purpose of:

- Locating the barrier fencing.
- Reviewing the report with the project foreman or site supervisor.
- Locating work zones and machine access corridors where required.
- Supervising excavation for any areas within the critical root zones of trees to be retained including any proposed retaining wall footings and review any proposed fill areas near trees to be retained.

DRAFT - FOR DISCUSSION ONLY

## SKETCH T1

### Tree Management Plan

Hwy 1 264th St to Whatcom Road (North side)  
Bradner Rest Area  
Abbotsford, BC

DATE: January 31, 2024  
 PREPARED FOR: MOTI  
 SCALE: 1 : 1500 @ 11" X 17"  
 McE PROJECT: 2121-00815-00

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