

Questionnaire for Tree Removal and Replacement in Innis Arden Reserves

Requested By: Innis Arden Club, Inc

Date of Request: 14 May 2010

Reserve Affected: Grounds Reserve (Reserve K)

1. Whether the proposed cutting is consistent with the management plan for the affected Reserve. **The majority of the Grounds is not a critical area. The NW corner of the grounds (~2800 sq ft) is within the buffer of a Class III stream. Therefore, except for the NW corner it is subject to normal cutting requirements and permits required by the City of Shoreline**

2. The tree species involved, as well as the health of the trees (i.e., removal of unhealthy trees or alder and big leaf maple is more likely to gain approval than a request to remove cedar, fir, or vine maple). **See the attached tree retention calculations to determine the tree numbers of the trees to be removed. Total Number : 37**

3. The extent to which removal or pruning will in fact enhance or restore views. **The many of the trees do not block views. Many of the trees are along the asphalt pathway that goes around the periphery of the large grassy area of Grounds. The tree roots are causing the pathway to buckle in some areas, making the path more hazardous for our elderly walkers. There is also a group of cedar and firs north of the tennis court that are too closely spaced to be healthy. Trees will be removed according to the arborist recommendation.**

4. Removal or windowing of trees will generally be favored over topping. **All trees will be removed and replaced.**

5. The extent to which removed trees can be effectively replaced with lower growing trees to enhance the appearance of the Reserve, while preventing growth of undesirable vegetation such as blackberries, broom and ivy. **This is part of the normal vegetation management. There are 102 significant trees on this site. 37 Significant Trees will be removed. Retention is 64%. Total Number of replacement trees required is 64.**

6. The practical extent to which cut trees can be effectively removed from the reserves or otherwise disposed of on site (i.e., by chipping or other acceptable means). **All tree trunks will be removed from the reserves. Wood chips could be retained and used on other parts of the reserve to help retain ground moist for newer plants. Tree stumps will be ground where feasible to make replanting easier.**

7. The magnitude of the proposed tree cutting and the cost of replacing the removed trees. **These 37 trees are less than 36% of the trees in Reserve K. For 37 trees it could cost \$18,500.**

8. The availability of funds from the Reserves budget or other sources for restoring the cut area, and for nurturing and maintaining the new planting. **The cutting and replacement will be done by the Innis Arden Club. The City will probably require a SEPA review because of the class III stream at an additional cost of approximately \$1550 and an extra delay of 45 days for the SEPA review. The applicants will replace the trees with Japanese Maples, Oregon Oak, or other small tree with less than 30 feet canopy height. The approximate replacement cost is estimated at less than \$500 per tree removed.**

9. The extent to which the proposed tree cutting may cause erosion or landslide danger in the Reserve. **All trees are on a flat area. There is extensive grass that stabilizes the ground. No geotechnical report is required since the ground is flat.**

10. Whether the requested cutting would be permissible under applicable laws, rules and regulations, of any agency having jurisdiction over the specific area. **City of Shoreline clearing and grading permit is required according to SMC 20.50.300. A replanting plan is a necessary part of the submission.**