

**JULY 16, 2019**

**CONSULTING ARBORIST MEMO**

**SITE: S.M. CRANE GENERAL CONTRACTOR SITE  
4611 NE 178<sup>TH</sup> ST.  
LAKE FOREST PARK, WA.**

**CONSTRUCTION ACTIVITIES OBSERVED**

Excavation between trees:

I arrived on the site at 0900 today and excavators were in the process of unloading steel plates and an excavator. Four plates were unloaded and placed one at a time within the ICRZ between the 42" and 52" Douglas fir trees. Once the plates were in position, the excavator operator backed onto the first plate and began to scrape away approximately 2-3" of the duff layer to expose mineral soil for the base of the Cel-Tec driveway. Excavation continued until the south end of the driveway layout was reached. Excavated duff and some soil was deposited on a grassy area south of the driveway.

Installation of Silt Fence

The excavator was used to move some soil along the west and south chain link fence lines. The crew then installed silt fence as required.

Excavator Exit from Site

Following installation of the silt fence, the excavator operator and his helper began to back the machine out between the Douglas fir trees. The excavator backed up on the steel plates through the ICRZ, picking up the plates one by one until they arrived beyond the north edge of the ICRZ. Once this was accomplished, I left the site.

**RECOMMENDATIONS GOING FORWARD**

1. Bare mineral soil is now exposed where the new driveway will be built. The contractor should install the Cel-Tec structures as soon as possible. Upon completion of this phase, and before the arrival of the gravel, the contractor should begin watering the newly-installed Cel-Tec. After this area of the ICRZ has received the required amount of water, the watering system should be shifted to irrigating the other chipped areas of the ICRZ of both trees. This should be completed prior to the installation of gravel in the Cel-Tec

next week. Following gravel installation, the areas of bare soil on both sides of the driveway should be covered with 4-5" of wood chips and watered as needed.

2. Tree Protection fencing: The contractor needs to install fencing along the street ROW on the north side and along the northwest and west areas to be in compliance with the permit. After the areas on either side of the new driveway have been chipped, the tree protection fencing should be moved as close as possible to the edge of the driveway. Any construction materials should be moved outside the protection fence, and this area should not become a storage area for materials and equipment.

**JOHN HUSHAGEN**  
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