

**AUGUST 26, 2019**

**CONSULTING ARBORIST MEMO OF SITE VISIT TO:**

**S.M. CRANE GENERAL CONTRACTOR SITE  
4611 NE 178<sup>TH</sup> ST.  
LAKE FOREST PARK, WA. 98125**

**CONSTRUCTION ACTIVITY REPORT**

Hydro vaccuming within the ICRZ: I arrived on site today at 0800. The hydro vac truck set up on the Cel-Tec driveway to excavate within the ICRZ of the 52" Douglas fir tree, to unearth an old public sewer stub that was installed in approximately 1961, and to dig a utility line trench toward the new building foundation. Many roots were exposed in the first four feet of soil, however I believe most were from the nearby big leaf maple at the property corner, and from the black locust tree that had been removed several months ago.

The hydro vac process uses high water pressure to break up soil and rocks. It is impossible to avoid all the major roots from trees that are being retained, and some bark was knocked off the top of the larger roots. However, I asked the operator to avoid stripping bark from the underside of the roots so that they can remain viable to support the tree structurally and transport water and nutrients. Other and smaller roots were identified as belonging to the locust tree that was removed, and these were cut back, as needed, to provide access to the soil below. After three hours of hydro vac work, the sewer stub had not been located, and the decision was made to return in 7-10 with a larger truck and more flexible hose to continue the excavation. To my knowledge, no significant roots from the 52" Douglas fir were encountered. I left the site at 1100.

**RECOMMENDATIONS GOING FORWARD**

1. I advised the owner that he should focus on adding as much extra irrigation water as possible to this disturbed area for the next ten days.

**JOHN HUSHAGEN  
SEATTLE ARBORICULTURAL ASSOCIATES**





