

PA0165 Bike Skills Area
MEMO: Tree Retention and Protection

On June 8, 2023, the City's Community Planning and Development department issued a Notice of Incomplete Application for the requested Critical Area Review 2 with SEPA. The notice directed the applicant to provide a tree retention plan for the project. This memo outlines tree protection actions; the City Arborist may contact the applicant to discuss further if additional actions are needed.

TREE PROTECTION PLAN

As noted in the previous supplemental memo, the new Bike Skills Area (BSA) facility was designed around the existing tree line to avoid tree removal, and the project incorporates significant revegetation to improve the understory and restore the forest to a healthy condition. The design will be field-fit by professional, certified bike park builders in late June 2023 and adjusted to avoid the critical root zones of existing trees on the site prior to construction. The following tree protection zone (TPZ) will be installed for construction:

- All trees – Wood chip mulch will be applied in a circle around each tree to a depth of 4-6 inches; the circle radius will be determined by the tree diameter: 1 foot of radius for every inch of diameter at breast height (DBH). Ex: a 10" diameter tree will have a 10' radius mulch ring.
- All coniferous trees – Orange plastic tree protection fencing, anchored with wooden or metal t-stakes and signage, will be installed around each tree.
- No equipment or materials will be stored in the TPZ, and the construction site will be monitored daily by Public Works staff to ensure the TPZ remains undisturbed.

DETAILS ABOUT INSTALL OF WOODEN FEATURES

The project includes installation of 16 manufactured wood and steel features that will be anchored into the ground with anchor screws that are 18" long and 1.5" in diameter. Anchors will be installed manually. The number of anchor screws per feature ranges from 4 to 12 per feature (see example in Figure 1). No anchors will be installed within 15' of a tree trunk or the edge of the TPZ, whichever is less.