

# UNIVERSITY OF WASHINGTON DESIGN - PREDESIGN TREE PROTECTION & PLANTING ORANGE SHEET

## Retaining Healthy Trees & Choosing New Trees

### Pre Design Inventory

- Work with Campus Arborist and Consulting Arborist to determine which trees should not be considered for retention due to tree health or protection potential.
- The campus arborist can provide a list of historic/memorial trees and memorial benches
- Memorial trees may be under the standard 6" SDCI requirement for permitting. UW recognizes all intentionally planted trees in the design and mitigation calculations
- UW Carpenters may request logs from removed trees

### New Tree Selection

- Choose new trees based on climate change projections. Drought and heat tolerant trees should be considered first.
- New trees should have space for at least 2/3 of the tree canopy at maturity for buildings and infrastructure.
- Site new trees to reduce conflicts with irrigation main lines, lights and signs.
- Consider large trees whenever possible
- Design sidewalks with root barrier for all new trees adjacent to sidewalks

## Retained Trees Require Space



Retaining trees also requires retaining roots, in most cases roots within the dripline of the tree. If trenching or excavation will remove too many roots the tree will not survive. Root excavation using an airspade can inform decisions for retention in questionable locations.

### Tree Removal Mitigation & Replanting

Tree = any UW inventoried tree (regardless of size), any SDOT Right of Way tree, any tree over 6" DSH

A combination of replanting and payment in lieu of planting can be calculated by City of Seattle Replacement Cost as outlined in the SDCI Director's Rule 8-2023, or UW Calculation of \$1000 per tree, whichever is less. Mitigation payments in lieu of planting is calculated and billed at substantial completion of the project.

Example: 12 trees are removed for a project, 18 trees will be planted. The project owes \$6,000 for offsite tree mitigation.

Note: Large trees at maturity may be counted at a higher rate of mitigation to promote large (at maturity) tree planting.

## Supplemental Irrigation may be Required

