

CITY OF RENO URBAN TREES - NOTES CONT.

Sidewalk Tree Well: An irrigated volume of non-compacted growing soil that meets all of the City of Reno Soil Specification provided for tree growth that is completely surrounded by pavement with roots restricted by a root barrier. This may be a traditional tree well, an open parkway, large planter, suspended pavement soil cell system, a combination of systems, or other means as defined by a project's Landscape Architect and approved by City of Reno Urban Forester. Structural soil may be considered for approval by Urban Forester at a value of 50% of non-compacted soil (Example: 100 cubic feet of structural soil = 50 cubic feet of usable soil volume). Minimum required soil volume is based on canopy size class (see Section 9), with volumes for each class listed below.

Canopy Size Class 1: Canopy size class 1 trees require a minimum usable soil volume of 75 cubic feet, Example: 5'x5'x3' deep

Canopy Size Class 2: Canopy size class 2 trees require a minimum usable soil volume of 150 cubic feet of soil, Example: 5'x10'x3' deep

Canopy Size Class 3: Canopy size class 3 trees require a minimum usable soil volume of 360 cubic feet of soil, Example: 10'x12'x3' deep

Canopy Size Class 4: Canopy size class 4 trees require a minimum usable soil volume of 600 cubic feet of soil, Example: 10'x20'x3' deep

OTHER CRITERIA FOR TREE SELECTION

9. In addition to planting site, below are additional criteria to be used to when selecting an urban tree from the list.

Under Wires: Smaller trees are better suited for planting under utility wires.

Salt Tolerant: Salt tolerant trees are recommended for use in areas which are subject to road salt.

Boron Tolerant: The southeast area of Reno is known to have toxic levels of boron in the soil. If a soil test indicates boron is higher than 0.5 parts per million, consider using boron tolerant trees.

Spring Planting Best: Trees which may require spring planting or at least to be nursery dug in the spring to improve establishment and survivability rates.

Promotes Diversity: Tree list indicates Species / Variety / Cultivar selections that occur infrequently in Reno. These selected streets would promote species diversity.

Canopy Size Class: How wide/tall a tree is expected to grow:

Class 1= <10', Class 2= 10'-30', Class 3= 30'-40', Class 4= >40'

Trees without canopy that qualify towards minimum requirements are listed as 'x' on the tree list.



STANDARD DETAILS FOR PUBLIC WORKS CONSTRUCTION

DRAWING No.

NOTES URBAN TREES

R-500B

APPROVED BY: MB | DATE: 12/2019