



BUILDER'S GUIDE TO OLYMPIA'S TREE, SOIL, AND NATIVE VEGETATION PROTECTION AND REPLACEMENT ORDINANCE – OMC 16.60

REQUIRED NUMBER OF TREE UNITS

All new developments are required to meet a minimum tree density by preserving existing trees where feasible and/ planting new tree units if needed. Refer to the chart below to determine the required number of tree units to be planted.

Lot Size in Square Feet	Required Number of Planted Trees
0 – 2,000 sq. ft.	1 tree unit
2,001 - 3,600 sq. ft.	2 tree units
3,601 – 5,000 sq. ft.	3 tree units
5,001 - 6,500 sq. ft.	4 tree units
6,501 – 8,000 sq. ft.	5 tree units
8.001 - 9,500 sq. ft.	6 tree units

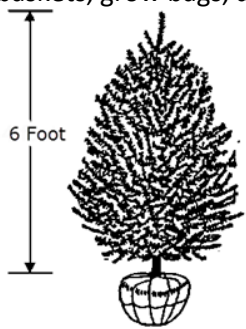
For lots above 9,000 square feet, the required number of tree units to be planted is equivalent to 30 tree units per acre.

TREE SPECIES

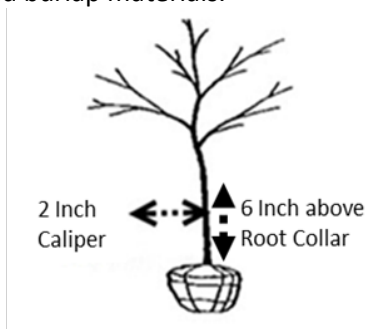
When selecting tree species to plant, take into consideration existing soils, space availability, and other constraints that may exist on site.

MINIMUM TREE SIZE AND QUANTITY

Tree units to be planted shall meet the size specifications shown below and shall meet or exceed the American Standard or Nursery Stock Grade #1. To the extent possible, all root ball materials shall be removed at planting, including but not limited to wire baskets, grow bags, and burlap materials.



Conifer 6 foot tall minimum *



Deciduous 2 Inch Caliper, Single Stem *

* Drawings not to scale

HOW DO I MEASURE A TREE?

Measure the diameter of each tree at 4.5 feet above the ground. This is called the diameter at breast height (DBH) and is measured in inches.

Existing Tree, Trunk Diameter	Equivalent Number of Planted Tree Units
1-6"	1
6-12"	1 ½
14"	2
16"	3
18"	4
20"	5
22"	6
24"	7
26"	8
28"	9
30"	10
32"	11
34"	12
36"	13

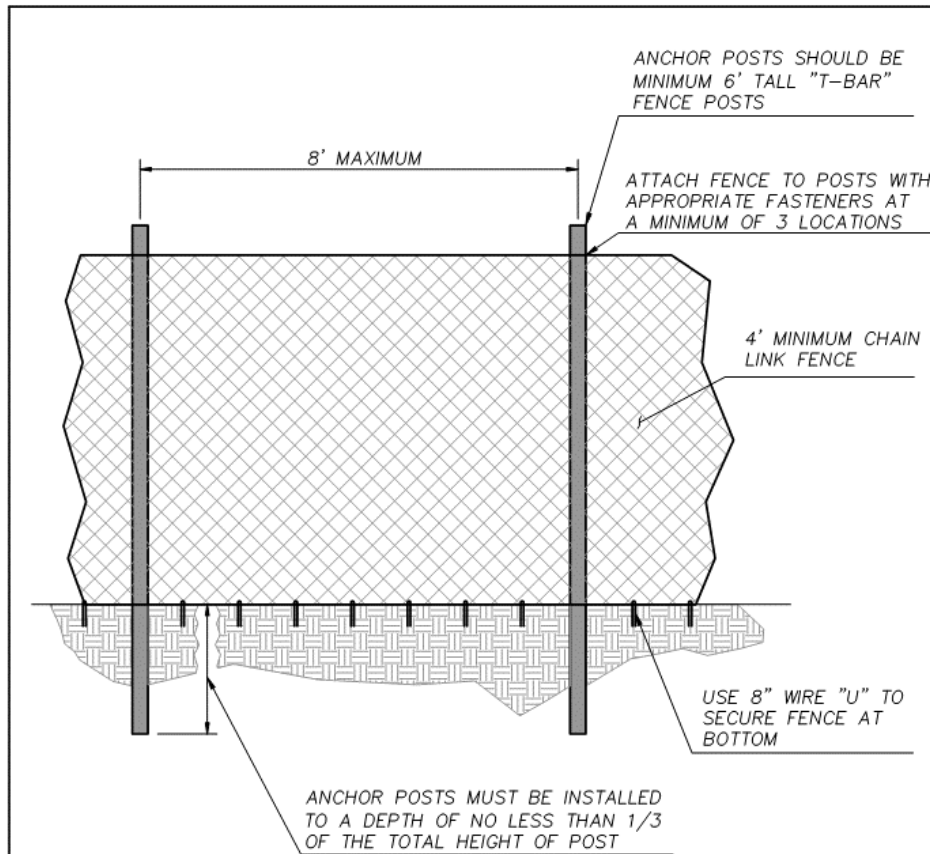
TREE PRESERVATION

Reduce the number of tree units required to be planted by preserving existing trees on site. Refer to the chart to determine the value of existing trees in equivalent number of tree units to be planted.

1. Trees to be preserved must be protected during construction by installing tree protection fencing. **No construction activity is allowed inside of the tree protection fence without prior authorization.**
2. Tree fencing must be inspected by the Project's Forester prior to any clearing or grading activities.
3. Trees to be preserved shall be re-inspected by the Project's Forester prior to removing the fence upon project completion.
4. For trees larger than 36" DBH refer to the complete ordinance.

Tree protection fencing shall be installed according to a City approved site plan, unless otherwise approved by the Urban Forester. Contact cpdinfo@ci.olympia.wa.us.

Tree Protection Fence Detail



NOTES:

1. THE TREE, SOIL AND VEGETATION PROTECTION FENCE SHOULD BE MAINTAINED THROUGHOUT THE CONSTRUCTION AND GRADING, AND NOT TO BE REMOVED UNTIL FINAL LANDSCAPING IS IN PROGRESS AND WITH APPROVAL BE PROJECT FORESTER.
2. AT NO TIME SHALL EQUIPMENT ENTER INTO THE CRITICAL ROOT ZONE (CRZ).
3. ALL BRUSH CLEANUP WITHIN THE CRZ SHOULD BE COMPLETED BY HAND TO PREVENT DISTURBANCE OF NATIVE GROUND COVERS.
4. NO CUTS OR FILLS, UTILITY TRENCHING, MODIFICATIONS TO DRAINAGE, OR CONCRETE RINSE WATER SHOULD IMPACT THE CRZ.
5. NO WIRES, CABLES, OR OTHER DEVICES SHOULD BE ATTACHED TO PROTECTED TREES DURING CONSTRUCTION.
6. IF IMPACTS MUST OCCUR WITHIN THE CRZ, CONTACT PROJECT FORESTER PRIOR TO THE OPERATIONS TO DETERMINE THE PROPER PROCEDURE TO PROTECT THE TREE'S HEALTH.

APPROVED BY	REVISED DATE	CITY OF OLYMPIA	STD. DWG. NO.
FRAN R. EIDE, PE	12/08/2017	TREE PROTECTION FENCE	5-20
CITY ENGINEER			