

URBAN FORESTRY WORKSHEET for submitting plans

Prior to grading, ensure that any required tree protection fencing has been inspected by Urban Forestry personnel. If grading begins before the inspection is made, a revised plan will be required for the project.

Tree protection fencing shall be 4' tall chain-link fencing installed at the drip-line of trees to remain or at a minimum of 10' radius.

Always provide 3 copies of landscape plans that include the completed Tree Density Worksheet. For projects greater than 5,000 square feet, a professional stamp must be included.

DENSITY REQUIREMENTS

Provide plant list with common names, quantities and sizes.

All trees must be minimum 2" caliper **and** appropriate height for the species (6 foot minimum), and meet ANSI Standards for Nursery Stock at time of planting

Include on plans: all proposed and existing overhead utilities, parking lot light locations, detention facilities, utility easements, parking spaces and finished topography. Include an up to date planting detail for trees and shrubs that DOES NOT show tree staking or guying.

If a dumpster is to be used, show location & screening materials. Enclosure must be opaque and of sufficient height to fully screen dumpster.

PERIMETER

Show perimeter landscaping strip around parking areas. Install a minimum of one tree for every 50' of frontage and a continuous row of evergreen shrubs (18" minimum). Strips along 4 travel lanes must be 10' wide, less than 4 lanes are 5' wide. (see sec. 17.24.150 for variations on this requirement).

INTERIOR

Show interior landscaping for parking areas. This includes one canopy tree for every 15 parking spaces, and a green space of 8% for all paved areas.

WATER

Show how all required plantings will be maintained. Choices include an automatic, timed irrigation system or hose attachments no more than 100' from required plantings.

BUFFERS

Show the zoning for the subject parcel and the surrounding parcels.

If a buffer is required (refer to buffer table), 50% of each component must be evergreen species.

TREE DENSITY UNIT (TDU) WORKSHEET (Ordinance 94-1104) REV Sept-2019

Date
Map Parcel
Application Number
Project Name
Address

1	Acreage (area of parcel including building site)	
2	Minus Building Coverage Area	(-)
3	Equals Adjusted Acreage	(=) 0
4	Multiply by Required Tree Density Unit per acre choose one	(x) 22
5	Required TDU for Project	(=) 0

All but Single Family and 1 & 2 Family	14	Single Family and 1 & 2 Family
(=)	0	(=)

HERITAGE TREE(S) RETAINED

DBH	# of Trees	Value	TDU
8"		x 3.2	0
10"		x 4.0	0
12"		x 4.8	0
14"		x 5.6	0
16"		x 6.4	0
18"		x 7.2	0
20"		x 8.0	0
22"		x 8.8	0
24"		x 9.6	0
*Greater than 24" equals DBH x .5 per inch			
total			0

add total to line 6

RETAINED TREE(S)

DBH	# of Trees	Value	TDU
6"		x 1.8	0
8"		x 2.4	0
10"		x 3.0	0
12"		x 3.6	0
14"		x 4.2	0
16"		x 4.8	0
18"		x 5.4	0
20"		x 6.0	0
22"		x 6.6	0
total			0

add total to line 6

RETAINED TREE(S)

DBH	# of Trees	Value	TDU
24"		x 8.4	0
26"		x 9.1	0
28"		x 9.8	0
30"		x 10.5	0
32"		x 11.2	0
34"		x 11.9	0
36"		x 12.6	0
38"		x 13.3	0
40"		x 20.0	0
total			0

add total to line 6

RETAINED TREE(S)

DBH	# of Trees	Value	TDU
42"		x 23.1	0
44"		x 26.1	0
46"		x 27.6	0
48"		x 28.8	0
50"		x 30.0	0
52"		x 31.2	0
54"		x 35.1	0
56"		x 36.4	0
58"		x 37.7	0
60"		x 42.0	0
total			0

add total to line 6

REPLACEMENT TREE(S)- LARGE & MEDIUM CANOPY TREES

Caliper	# of Trees	Value	TDU
2"		x .5	0
3"		x .6	0
4"		x .7	0
5"		x .9	0
6"		x 1.0	0
7"		x 1.2	0
8"		x 1.3	0
total			0

add total to line 7

EXAMPLES but not limited to:

Deciduous- Oak, Maple, Poplar, Planetree, Gingko
Evergreen- Am. Holly, So. Magnolia, Pine, Hemlock, Spruce, Cedar
Mature height greater than 30'

REPLACEMENT TREE(S)- LARGE & MEDIUM COLUMNAR, SMALL UNDERSTORY TREES and STREET TREES*

Caliper	# of Trees	Value	TDU
2"		x .25	0
3"		x .3	0
4"		x .4	0
5"		x .5	0
6"		x .5	0
7"		x .6	0
8"		x .7	0
total			0

add total to line 7

EXAMPLES but not limited to:

Columnar (Fastigate)-Deciduous: Slender Silhouette Sweetgum, Arnold Tulip Poplar, Princeton Sentry Gingko
Understory Deciduous-Deciduous- Redbud, Dogwood, Flowering Cherry, Japanese Magnolia, Japanese Maple
Understory Evergreen- Dwf. Magnolia, Hybrid Holly, Cherry Laurel (tree form)
Mature height avg. 30' or less.
Small Understory Columnar varieties receive no TDU credit

6	Total TDU Retained on-site	0
7	Total TDU for Replacement Trees- On-site	(+) 0
8	Total Credits Paid to Tree Mitigation Bank*	(+) 0
9	Total Density Units Provided	(=) 0

1 Credit = 1 TDU = \$725.00
 total must exceed lines 5

The total density units provided (line 9) must equal or exceed the requirements of line 5 above.

All Retained and Replacement trees must be shown on site plan.

Trees not protected in accordance with 17.24.110 - Protection of trees during development activities, cannot be counted towards TDU.

Canopy Street Trees with less than 600 c.f. or Understory with less than 400 c.f. root volume receive no TDU credit.

* Tree Bank cannot be used for Buffer, Screening, Frontage, Perimeter or other requirements. Only for balancing Required TDU.