

Calculating Tree Canopy Coverage Requirements

The following scenarios address the majority of applications and methods for meeting the tree canopy coverage requirement. Because each site is unique, the notes to be provided and where they are to be provided are flexible and should be adjusted to fit the situation of the site.

Scenario A: Sufficient woodland conservation is being provided so that the tree canopy coverage requirement is also met

If a site proposes to meet the tree coverage requirement using woodland conservation, the following note must be provided below the woodland conservation worksheet on the tree conservation plan. The example is for a 2.55-acre site zoned R-R.

Note: The tree coverage requirement on this site has been met using woodland conservation on-site as follows:

Tree canopy coverage required: 0.38 acres or 16,553 SF (2.55 acres x 15%. This is the percentage of minimum canopy coverage required as shown in Table 1. Tree Canopy Requirements by Zone)
Tree canopy coverage provided using woodland conservation: 0.91 acres (*this will be shown on the worksheet above this note*)

Scenario B: Sufficient woodland conservation has not been provided on-site to meet the tree canopy coverage requirement

If a site proposes to meet the tree coverage requirement using a portion of woodland conservation and some landscaping that is not being credited toward meeting the woodland conservation requirements, the following note must be provided below the woodland conservation worksheet. The example is a 2.55-acre site zoned R-R.

Note: The tree canopy coverage requirement on this site has been met using woodland conservation and landscaping [*or just landscaping*] as follows:

Tree canopy coverage required: 0.38 acres or 16,553 SF (2.55 acres x 15%)
Tree canopy coverage provided using woodland conservation: 0.23 acres or 10,019 (*this will be shown on the worksheet above this note*)
Tree canopy coverage provided using landscaping: 0.15 acres (6,534 square feet)
Total tree canopy coverage provided: 0.38 acres or 16,553 SF

Scenario C: Site is exempt from the woodland conservation requirements

If a site is exempt from the woodland conservation requirements, then the provision of the tree canopy coverage requirement must be documented on the plans available through the use of the tree canopy coverage worksheet or notes on the plans as appropriate.

Scenario D For sites that are in the stage of the review process where only a TCP1 is required (CSP, CDP, preliminary plan), then a note on the plans must be provided that states the amount of the requirement and how it will be met because a tree conservation plan is not required. The example is the same 2.55-acre site used above. The following note would be placed on the TCP1:

Note: The tree canopy coverage requirement on this site will be shown on a landscape plan to be submitted with the first permit (*this timing mechanism assumes there will be no SDP or DSP prior to permit*). AND, the appropriate notes with regard to conceptually how the tree canopy coverage requirement might be met such as those below.

Tree canopy coverage required: 0.38 acres or 16,553 SF (2.55 acres x 15%)

Tree canopy coverage provided using woodland conservation: 0 acres

Tree canopy coverage to be provided using landscaping: 0.38 acres or 16,553 SF

Scenario E: For sites that are in the stage of the review process where a TCP2 would have been required (DSP or SDP) if the site was not exempt from the WCO, then a landscape plan must be provided with the tree canopy coverage worksheet included. The note below shall be placed on the DSP or SDP.

Note: The tree canopy coverage calculations are shown on the landscape plan.

Worksheet for Calculating Tree Cover Credit

Project Name: _____

Plan # _____

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Site Calculations:

Total Acres(gross tract)	% of required TC	TC in Acres	TC in S.F.
		0	0
Category	Credit per Tree Based on Size at Planting (in square feet)	Number of Trees	Total Credit
Deciduous - columnar tree (50' or less height)	1-1 1/2" = 40		0
	2-2 1/2" = 50		0
	3-3 1/2" = 75		0
Deciduous - small ornamental tree (20' or less height with equal spread)	1-1 1/2" = 75		0
	2-2 1/2" = 100		0
	3-3 1/2" = 125		0
Deciduous - medium shade tree (25-50' height with equal spread or greater; and over 50' height with less spread than height)	1-1 1/2" = 125		0
	2-2 1/2" = 150		0
	3-3 1/2" = 175		0
Deciduous - large shade tree (50' and greater ht. with spread equal to or greater than ht.; and trees 75' or greater ht.)	1-1 1/2" = 150		0
	2-2 1/2" = 200		0
	3-3 1/2" = 250		0
Evergreen - columnar tree (less than 30' height with spread less than 15')	6-8' = 40		0
	8-10' = 50		0
	10-12' = 75		0
Evergreen - small tree (30-40' height with spread of 15-20')	6-8' = 75		0
	8-10' = 100		0
	10-12' = 125		0
Evergreen - medium tree (40-50' height with spread of 20-30')	6-8' = 125		0
	8-10' = 150		0
	10-12' = 175		0
Evergreen - large tree (50' height or greater with spread of over 30')	6-8' = 150		0
	8-10' = 200		0
	10-12' = 250		0

TOTAL NUMBER OF TREES

0

A. TOTAL SQUARE FOOTAGE IN PLANTED TREES =

0

B. TOTAL SQUARE FOOTAGE OF EXISTING TREES=

0

C. TOTAL TREE CANOPY COVERAGE PROVIDED =

0

D. TOTAL SQUARE FOOTAGE REQUIRED =

0

(manually enter information/figures in these areas) NOTE: C. should equal or exceed D.

Prepared by _____

Date _____