

**Appraisal Calculations**

Tree Identifier		TREE 1	TREE 2	TREE 3	
Species		Western Red Cedar (Thuja plicata)	Western Red Cedar (Thuja plicata)	Western Red Cedar (Thuja plicata)	
<b>Basic Tree Cost</b>	#1	Trunk Circumference	105 in	47 in	119 in
	#2	Trunk Diameter (#1 / 3.14)	33 in	15 in	38 in
	#3	Trunk Area (#2 <sup>2</sup> / 4 x 3.14)	870.5 in	176.6 in	1133.5 in
	#4	Unit Tree Cost	\$80 / sq in	\$80 / sq in	\$80 / sq in
	#5	<b>Basic Tree Cost (#5 * #6 + #7)</b>	\$69,638.29	\$14,130.00	\$90,683.20
<b>Condition</b>	#6	Health (10-100%)	80%	70%	80%
	#7	Structure (10-100%)	100%	70%	100%
	#8	Form (10-100%)	100%	70%	100%
	#9	<b>Condition Rating (combine #6-#8)</b>	93%	70%	93%
<b>Limitations</b>	#10	Functional Limitations	80%	80%	80%
	#11	External Limitations	100%	100%	100%
	#12	<b>Depreciated Cost (#5 x #9 x #10 x #11)</b>	\$51,996.59	\$7,912.80	\$67,710.12
<b>Additional Costs</b>	#13	Appraisal and Code Citation	<b>\$1,000.00</b>	<b>\$1,000.00</b>	<b>\$1,000.00</b>
	#14	Total Cost	\$52,996.59	\$8,912.80	\$68,710.12
	#15	<b>Assignment Result (round #14)</b>	<b>\$53,000.00</b>	<b>\$8,900.00</b>	<b>\$68,700.00</b>