



## HOW TO MEASURE A STREET TREE

Diameter at breast height, or DBH, is the standard for measuring trees. **DBH refers to the tree diameter measured at 4.5 feet above the ground.**

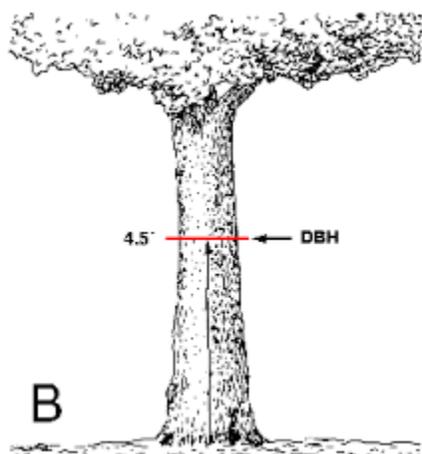
DBH can be measured quickly with a specially calibrated diameter tape, often referred to as a d-tape that displays the diameter measurement when wrapped around the circumference of a tree. **If you don't have access to a d-tape, you can find the diameter of the tree using a string, a measuring tape, a thumb tack, and a calculator.**

1. With the measuring tape, measure 4.5 feet up the trunk of the tree from the ground. Use a thumb tack to mark the height on the tree.
2. Measure circumference precisely with a string and calculate diameter. For this method, wrap a long string around the tree at DBH and cut the string where it meets. Then, measure that length with a measuring tape or yardstick to find the circumference and divide that number by pi (3.1416) to get the diameter.[4]

Using a string to take the circumference measurement is more accurate than just using a measuring tape because the string is more flexible and bends easier to the tree.

3. Convert the circumference measurement to diameter by dividing the circumference by pi (3.14). See table on back of page.

### Step One



### Step Three



### Step Two

**Diameter at Breast Height (DBH) Table**

Trees less than 5" DBH do not need a tree removal permit, however tree replacement is required per §16.142.060.B of the Sherwood Zoning and Community Development Code.

A tree with a circumference more than 16" requires a posting for tree removal for ten calendar days.

A tree with a circumference more than 32" requires an arborist report.

<b>Tree Circumference in inches</b>	<b>Diameter at Breast Height</b>
<b>15</b>	<b>4.78</b>
<b>16</b>	<b>5.10</b>
<b>17</b>	<b>5.41</b>
<b>18</b>	<b>5.75</b>
<b>19</b>	<b>6.05</b>
<b>20</b>	<b>6.37</b>
<b>21</b>	<b>6.69</b>
<b>22</b>	<b>7.01</b>
<b>23</b>	<b>7.32</b>
<b>24</b>	<b>7.64</b>
<b>25</b>	<b>7.96</b>
<b>26</b>	<b>8.28</b>
<b>27</b>	<b>8.60</b>
<b>28</b>	<b>8.92</b>
<b>29</b>	<b>9.24</b>
<b>30</b>	<b>9.55</b>
<b>31</b>	<b>9.87</b>
<b>32</b>	<b>10.19</b>
<b>33</b>	<b>10.51</b>