City of Winter Park
Tree Planting Update and Strategies

Dru Dennison, Urban Forestry Manager
December 8, 2014
ROW Tree Facts

- Estimated # of Trees in ROW – 25,500
- Estimated # of vacant planting spaces – 1,785
- Percentage of ROW currently planted – 93%
- Trees Planted in FY 2014 - 350
- Trees Planted so far this year – 45 November; 30 December
Tree Planting Goal

- Replant Trees removed within one month
- Make progress on tree vacancy list – time and budget permitting
- Continue to encourage planting on private property
- Shift larger portion of maintenance budget to planting budget within 3 years
Planting Costs

- **Current Contract (6months)** – FL #1 - 3” caliper shade tree - $360
- Prices and demand are increasing; unable to secure 1 year contract with low bidder

- **Current Budget** - $150K
- **Tree Fund** - $90K
## Potential Tree Planting Locations

<table>
<thead>
<tr>
<th>Quadrant</th>
<th>Understory</th>
<th>Medium</th>
<th>Shade</th>
<th>Other</th>
<th>Grand Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>NE</td>
<td>110</td>
<td>112</td>
<td>177</td>
<td>3</td>
<td>402</td>
</tr>
<tr>
<td>NW</td>
<td>238</td>
<td>143</td>
<td>147</td>
<td>6</td>
<td>534</td>
</tr>
<tr>
<td>SE</td>
<td>124</td>
<td>86</td>
<td>169</td>
<td>13</td>
<td>392</td>
</tr>
<tr>
<td>SW</td>
<td>142</td>
<td>122</td>
<td>193</td>
<td>0</td>
<td>457</td>
</tr>
<tr>
<td>Grand Total</td>
<td>614</td>
<td>463</td>
<td>686</td>
<td>22</td>
<td>1,785</td>
</tr>
</tbody>
</table>
# Tree Planting Specifications

<table>
<thead>
<tr>
<th>Planting Criteria</th>
<th>Shade</th>
<th>Medium</th>
<th>Understory</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Height</strong></td>
<td>50’-70’</td>
<td>30’-45’</td>
<td>15’-25’</td>
</tr>
<tr>
<td><strong>Planting Strip Width</strong></td>
<td>6’</td>
<td>4’</td>
<td>3’</td>
</tr>
<tr>
<td><strong>Spacing distance</strong></td>
<td>50’-60’</td>
<td>40’-50’</td>
<td>35’</td>
</tr>
<tr>
<td><strong>UG Utility Distance (H2O, Sewer, drives)</strong></td>
<td>6’</td>
<td>6’</td>
<td>6’</td>
</tr>
<tr>
<td><strong>Intersections</strong></td>
<td>15’</td>
<td>15’</td>
<td>15’</td>
</tr>
<tr>
<td><strong>Decorative Street Lights</strong></td>
<td>8-10’</td>
<td>8-10’</td>
<td>8-10’</td>
</tr>
</tbody>
</table>
Planting strip width limitations
15’ minimum distance from intersection/line of sight limitations
6’ minimum distance from underground utility facilities
6’ minimum distance from underground utility infrastructure
10’ minimum distance from decorative street lights
6’ minimum distance from edge of drive
Multiple infrastructure limitations

- 15’ minimum distance from road intersection
- 6’ minimum distance from edge of drive
- 6’ underground facilities
- existing overhead facilities
Multiple infrastructure limitations

- planting strip width
- multiple drive aprons
- underground utility facilities
Planting strip width limitations (less than 3')
6’ Planting strip

- wide enough for 2 shade trees as indicated by stakes
- note underground facilities in the background
Ideal planting strip