Managing Mature Trees

- West Davis Street in Burlington is lined with willow oak trees planted ~80 years ago.
- One tree fell over in a storm, so the City looked at management options.
- 3 trees were removed, and 35 were reduced by specified pruning methods.
- 3 years later, 34 of those trees are doing well.
 No pruning is needed in the near future.

 Pruning retained much of the trees' volume and benefits.









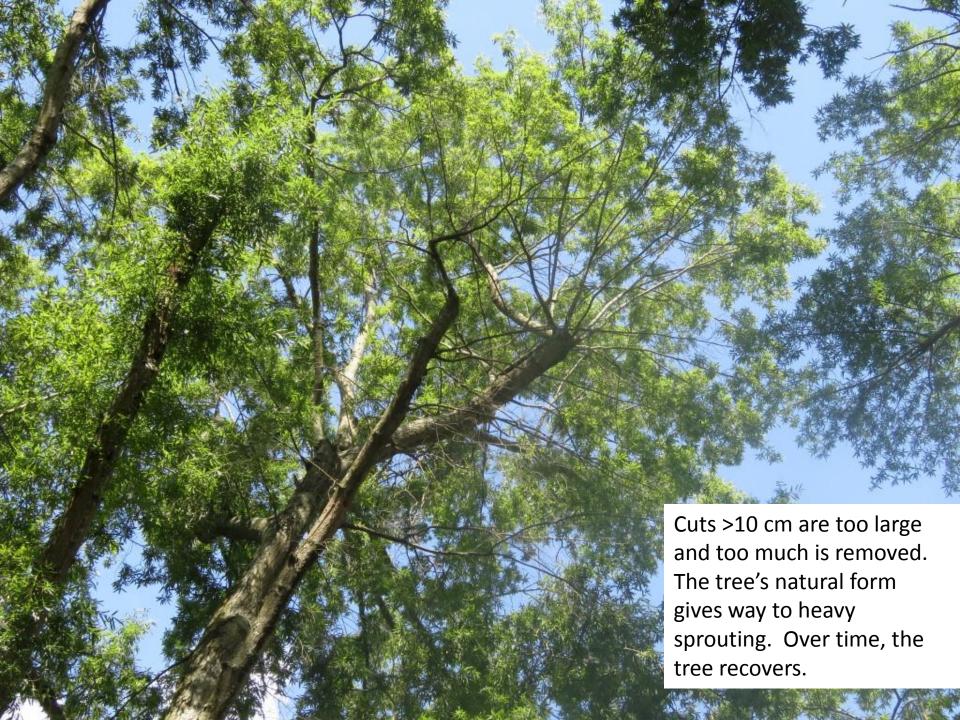














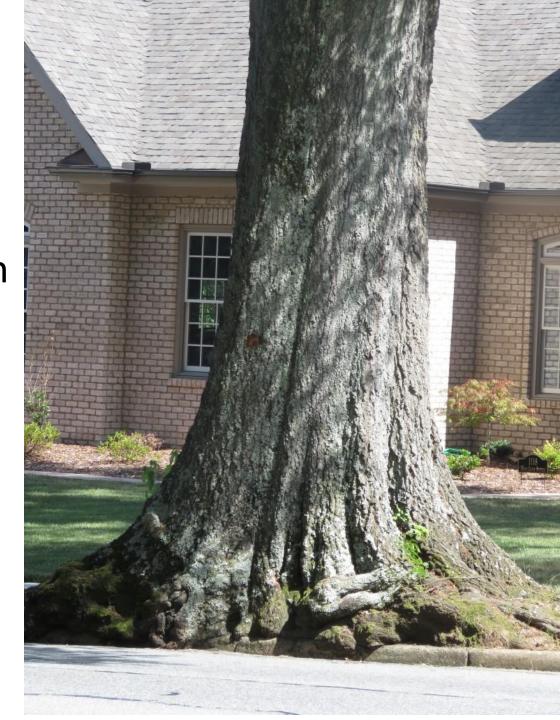


- Small cuts on the outside stimulates new growth on the inside.
- Reduction pruning causes trees to 'grow downward'.





- The flare gets broader, adding stability.
- If the roots are not damaged by work on curbs and sidewalks, support is retained.
- If the load in the crown is reduced, the tree's useful life is extended indefinitely.



- A typical tree on this street: 90 feet tall and 90 years old, with a potential 90 or more left to go.
- Lower branches are retained. The trunk gets thicker, and the center of gravity is lowered by new interior growth.



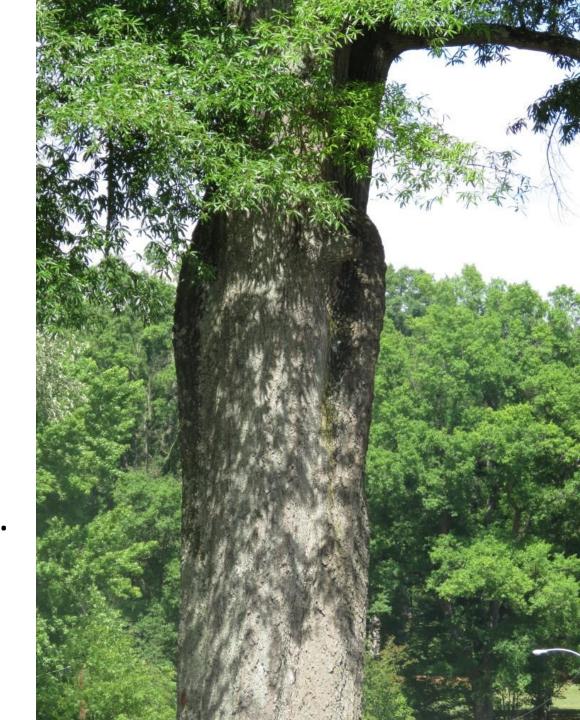
 The cathedral-like quality of the tree canopy is retained when sprawl is managed.



- 3 years after the top was reduced 10'-15', the natural form is restored.
- The base of the tree was not weakened.
- Limbs over the road were left to connect with the tree across the street.
- Continuous canopy is the goal.



- "Elephant Ear"
 bulges indicate a
 codominant fork
 with included bark.
- Pruning lessens strain on this fork and resists splitting.
- Cabling is another option.







- Trees naturally spread into open areas over roads and houses.
- Routine pruning limits sprawl and risk of failure.
- Long-term clearance is gained by a small input of resources.



Mature Tree Management by Specified Reduction Pruning:

 Causes no loss to property values, or disruption to neighborhoods

 Costs far less than tree removal, and does not rely on unreliable replacement trees

 Retains all of the benefits of the mature tree canopy over the community