

Advanced Structural Pruning



By
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Live Oak With Poor Structure

- THREE MAJOR INCLUSIONS
- DEFECTS COMPRISED 70% OF THE CANOPY
- ONE LARGE CODOMINATE STEM REMOVED IN NOVEMBER 2011



Formulate a Plan

- IDENTIFY A CENTRAL LEADER
- REMOVE INCLUDED CODOMINATE STEMS AND INCLUDED SCAFFOLD BRANCHES
- SUBORDINATE THE REMAINING SCAFFOLD BRANCHES



Defined Central Leader



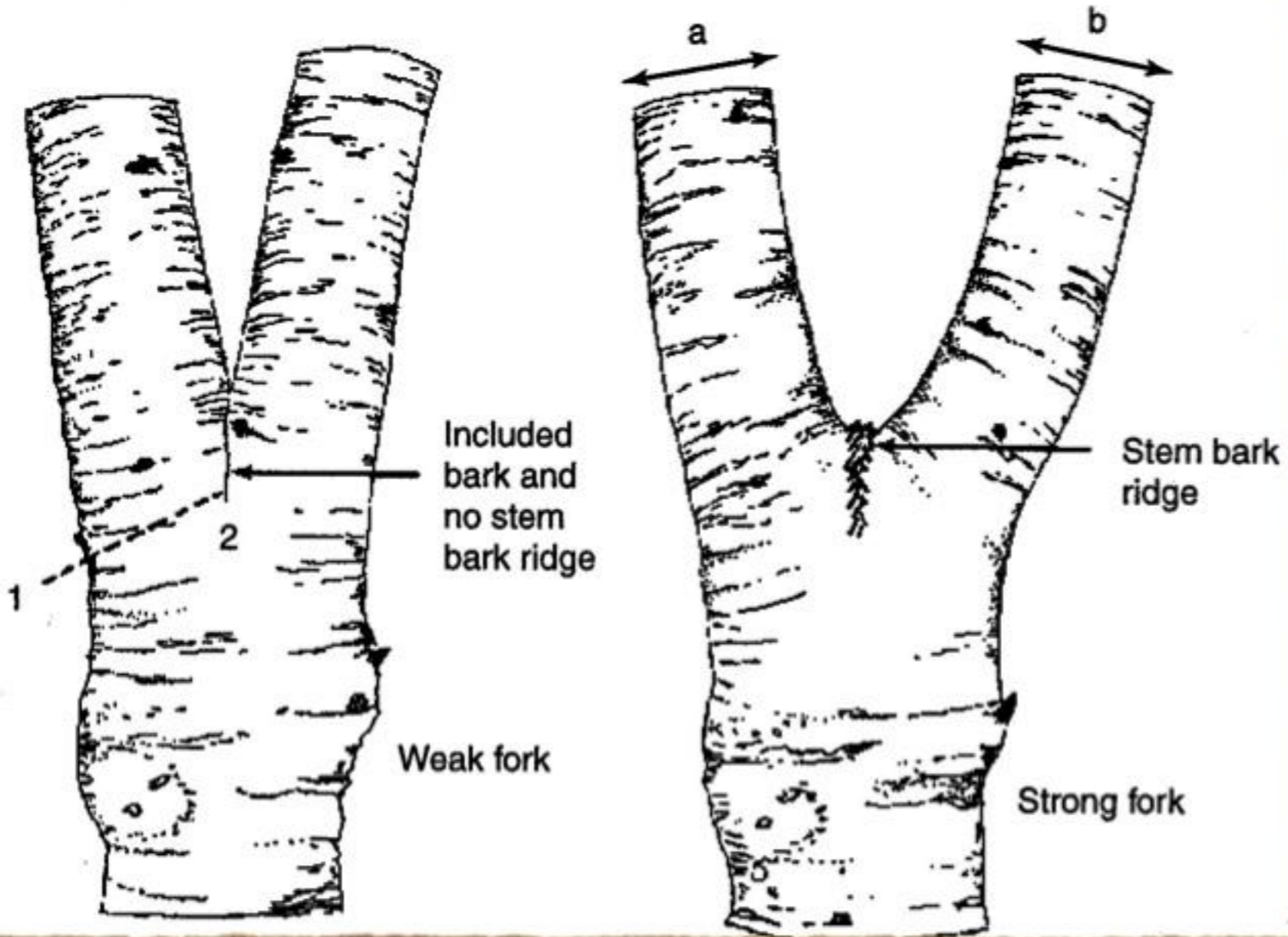
Good



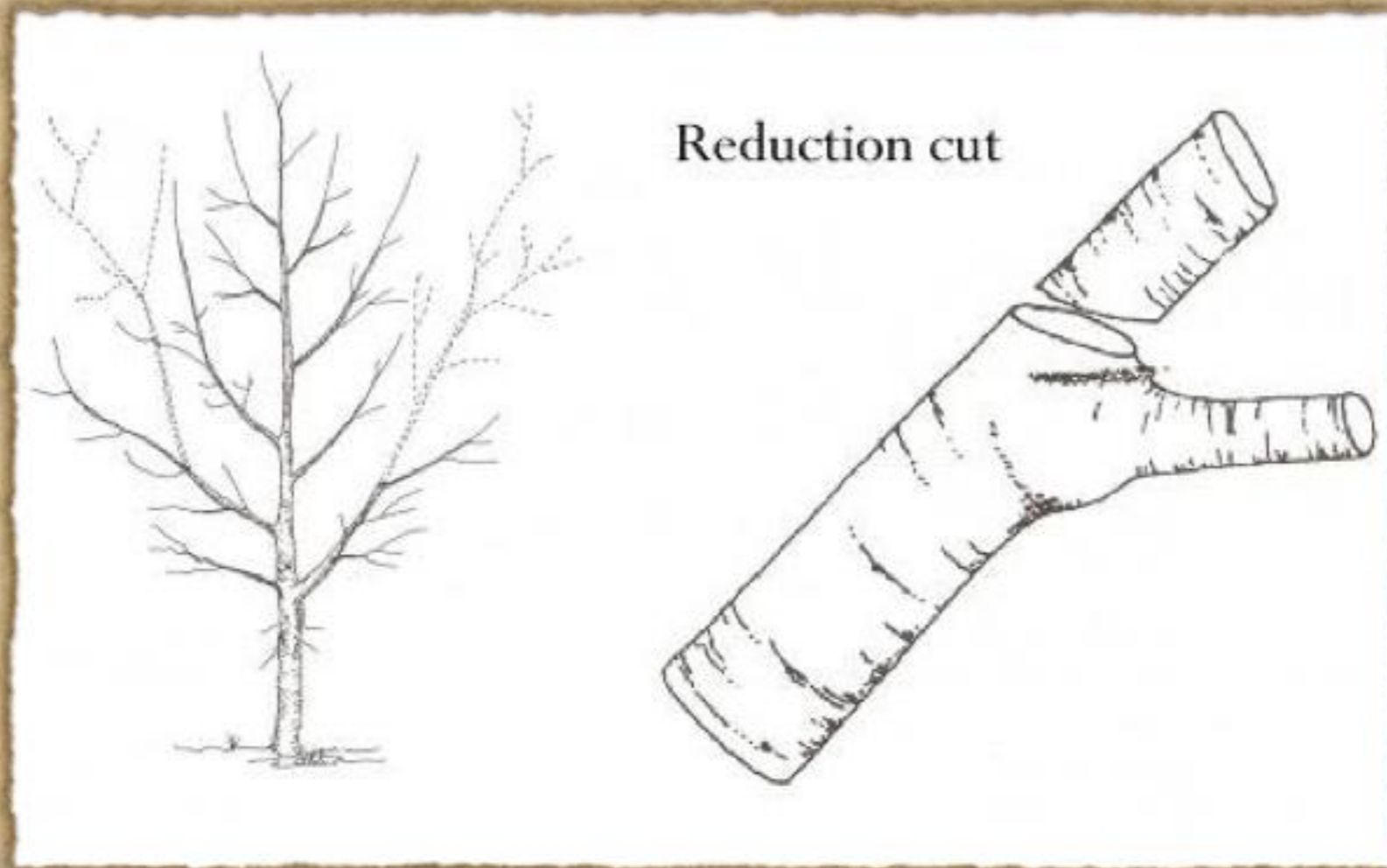
Poor

Codominant Stems

Two codominant stems



Subordination



- REDUCTION CUT - SHORTENS THE LENGTH OF THE STEM BY CUTTING BACK TO A LATERAL.

Lower & Middle Inclusions



Closer View



Middle & Upper Inclusions



Execute Pruning Plan

- IDENTIFY A CENTRAL LEADER
- REMOVE INCLUDED CODOMINATE STEMS AND INCLUDED SCAFFOLD BRANCHES
- SUBORDINATE THE REMAINING SCAFFOLD BRANCHES



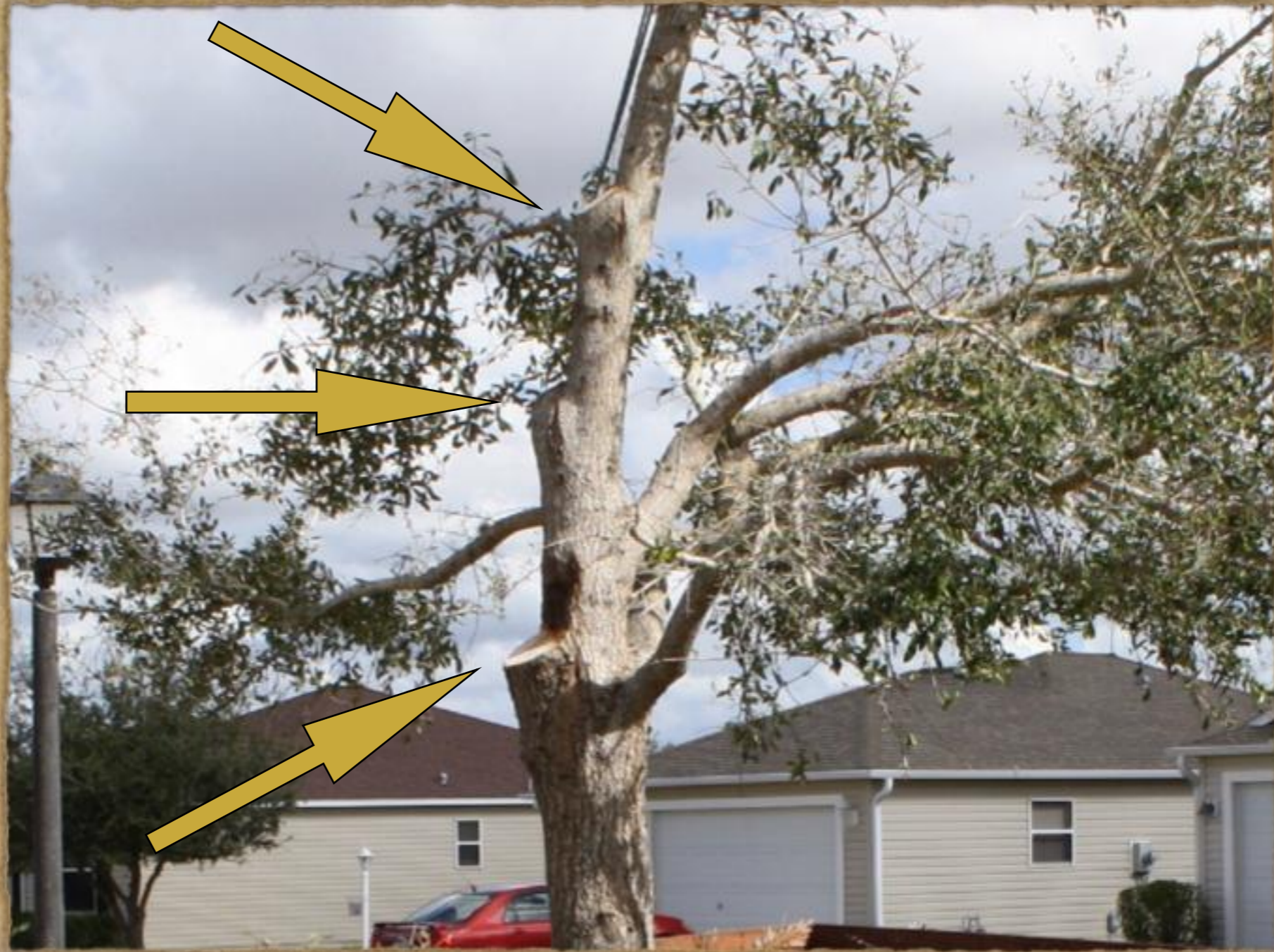
After Pruning



Back Side



Branch Removal Cuts

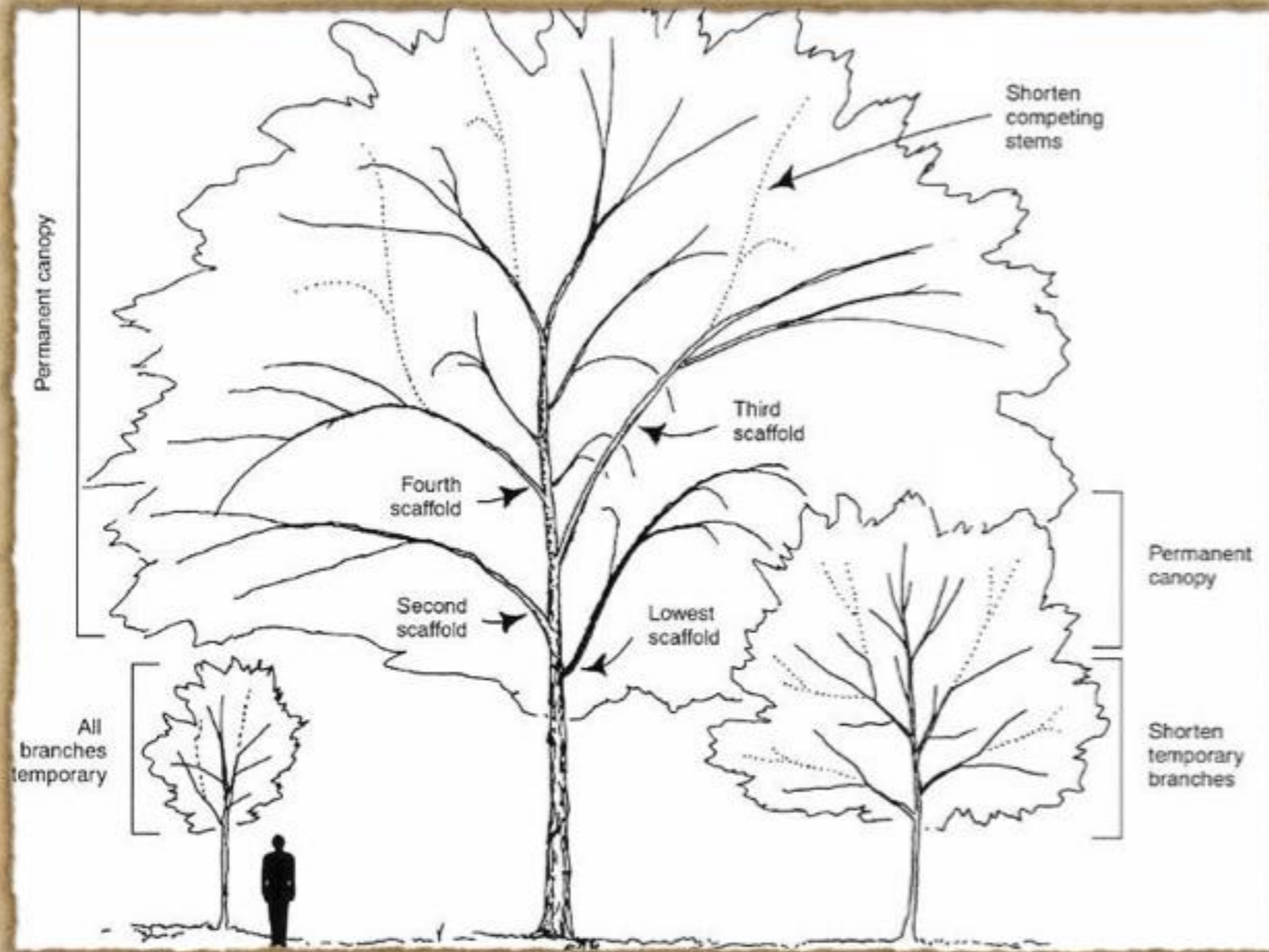




Part 2

Future Plan & Internal Health

Future Plan For The Site



Permanent Branch Selection



Internal Tree Health



Seven Days After Injection



Complete Leaf Drop

- ALL LEAVES
FELL IN A 48
HOUR PERIOD
- NEW BUDS
FORMING
- 2 WEEKS
BEFORE
NEIGHBORING
TREES



New Bud Formation



Two Weeks Later



6 Weeks From Injection



Completed Leaf Formation

- NEW GROWTH STARTING ON THE BARE SIDE
- ORGANIZED GROWTH OF NEW SHOOTS
- LOWER CANOPY REQUIRES A CROWN RAISING



New Shoot Growth



Three Months Later



Shoot Growth

- 2 WEEKS AFTER APPLYING TOPSOIL AROUND THE FRONT YARD
- 18 INCHES OF NEW SHOOT GROWTH
- CROWN RAISED ONCE



Almost Three Feet of Growth



1 Year 8 Months Later



1 Year 8 Months Later



1 Year 8 Months Later



Permanent Branch Selection



Exceeds Expectations



Sources

- Dr. Ed Gilman & Traci Jo Partin, "Developing a preventative pruning program in your community: Young trees", pgs. 30, 52.
(http://hort.ifas.ufl.edu/woody/powerpoints/pruning_young.ppt)
- Dr. Ed Gilman, "Tree structure", p. 17.
(<http://hort.ifas.ufl.edu/woody/powerpoints/treestructure.ppt>)
- Dr. Ed Gilman & Amanda Bisson, "Developing a preventative pruning program in your community: Young trees", p. 33.
(http://hort.ifas.ufl.edu/woody/powerpoints/pruning_mature.ppt)
- Arborjet,
(<http://shop.arborjet.com/ProductDetails.asp?ProductCode=070%2D0010>)