

# Mitigation Tree Planting Discussion

Created June 2010

Presented By: Urban Forestry Services, Inc.,  
Jim Barborinas,

ISA Certified Arborist #PN-0135, ASCA

Registered Consulting Arborist #356

Certified Tree Risk Assessor #PNW-0327

TREE PROTECTION

# MITIGATION PLANTINGS

- WHEN THE MINIMUM NUMBER OF SIGNIFICANT TREES CANNOT BE SAVED.
- THE GOAL :
- TO MAINTAIN OR INCREASE CANOPY COVER
- RESULTING IN “No net loss of canopy cover”.

# MITIGATION PLANTINGS

## USUALLY BASED ON:

- Diameter inches at DBH of lost tree.
- Number of lost trees.
- Minimum number of trees, or tree units, required onsite.
- Minimum square footage of tree canopy cover required onsite.

# MITIGATION PLANTINGS

## RATIO OF REPLACEMENT ALTERNATIVES

- One (1) tree planted for each tree lost.
- One (1) diameter inch planted for each diameter inch lost.
- One (1) diameter inch planted for range of diameter inches lost.

# MITIGATION PLANTINGS

- **EXAMPLE OF RANGES:**
  - **2** – 2” cal. dec. tree or 10’ conifer tree for 6”-10” tree lost.
  - **3** – 3” cal. dec. tree or 10’ conifer tree for 11”-20” tree lost.
  - **4** – 4” cal. dec. tree or 10’ conifer tree for 21”-30” tree lost.
  - **5** – 5” cal. dec. tree or 10’ conifer tree for 31”-40” tree lost.
  - **6** – 6” cal. dec. tree or 10’ conifer tree for 41”-?” tree lost.

# MITIGATION PLANTINGS

## SIZE OF REPLACEMENT TREE:

- Recommend 2"-2.5" caliper deciduous or 10' conifer.
- Largest most readily available.
- Most common size planted.
- Large enough to be significant.
- Not too large to handle, special equipment not needed.
- Usually established in 1 to 2 years.



# MITIGATION PLANTINGS

- **OPTION?:**
  - Significant Tree Retention
  - Or Required Mitigation Plantings onsite or offsite.
  
- **CONSIDER:**
  - For each significant size tree not retained, locate, document, and identify 3 – 3”-6” caliper trees that can be retained on the site. They can be in a group, but must be far enough apart to be able to eventually develop into a mature tree.

# MITIGATION PLANTING-OPTION

## Save smaller existing trees

LIKE THESE:

- VIGOROUS
- ACCLIMATED
- ESTABLISHED
- SMALLER CRZ
- MORE SCREENING
- LESS COST
- GREATER LONG-TERM SUCCESS





# Mitigation Tree Planting Discussion

## Thank you!

Created June 2010

Presented By: Urban Forestry Services, Inc.,

Jim Barborinas,

ISA Certified Arborist #PN-0135, ASCA

Registered Consulting Arborist #356

Certified Tree Risk Assessor #PNW-0327