

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