

Tree Preservation and Transplanting Alternatives

Trees play a vital role in our environment. They directly affect the quality of our lives; therefore, they deserve our respect and protection.

- Environmental Protection is a sizable undertaking. This issue impacts all of us in more ways than we realize. Only through applied research can we possibly understand our interplay with the environment. Harsh as it may seem, this awareness requires us to seek to understand the complexity of the ecosystem in which we live. Urban living is only one aspect of an overall environmental quality equation.
- Trees provide each of us more value than we first realize. To name a few:
 - Trees are Oxygen generators
 - Trees reduce air pollution
 - Trees moderate the surface temperature of the earth
 - Trees play a significant role in global weather patterns
 - Trees provide us with fuel in the form of wood fiber
 - Trees provide us with building materials
 - Trees protect the land from erosion
 - Trees provide medicinal benefits
 - Trees provide a wide array of food including syrups, fruits and nuts
- Therefore, we must immediately undertake programs that protect our valuable timber resources. To achieve this worthwhile goal, we must ensure that adequate numbers of trees are planted yearly
- In addition, we must impose regulations that restrict the unnecessary destruction of our vital natural resources
- With participation from the private sector, we must undertake positive steps that will limit the want on DESTRUCTION OF TREES

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Tree Protection Guidelines

- We must undertake the task of creating regulations to restrict wanton tree destruction. The relationship between Land development and Trees need not be ADVERSARIAL. By recognizing that trees must be considered first before construction begins, land planners can effectively design all sorts of interesting and functional areas for us to live and work in. With public education and land allocated to GREEN SPACE, our trees will continue to survive.
- We have all seen examples of improper land planning. The result is urban pressure and a low quality of life. We all seek to live and work in a place that is enjoyable to be in. The role of government in this equation is essential. By studying the examples of others and relying upon our own good reasoning skills, we will discover ways to achieve a BALANCE in our environment. Understandably, this begins with intense planning efforts. Our trees must be protected to preserve our own nation. Trees must be managed as a natural resource. Trees must be grown, planted and even TRANSPLANTED. One of the most effective ways to protect indigenous trees is the "TREE BANK". The "TREE BANK" is a temporary nursery site that serves as a holding area for trees while construction is taking place. Trees of all sizes can be successfully transplanted to the "TREE BANK". There, the trees can be irrigated and cost-effectively managed until construction is complete. Urban planners, Landscape Architects, Golf and Resort Facility Developers can then decide where and how these trees can be replanted into the finished landscape.
- Do all Trees need to be preserved? **NO**.
- Can all Trees be successfully transplanted? Given the right combination of equipment, technique and capital, **yes they can**.
- We must undertake the task of creating the framework for a cooperative agreement with developers guided by our own land planners.
- We must accept the fact that we do not know all that we need to about trees and their interplay with our environment. Therefore, we must fund Research Programs that will help us to understand the value of our natural resources.

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Land Planning Issues

- What types of trees should we protect?

<i>Quercus stellata</i>	<i>Post Oak</i>
<i>Quercus shumardii</i>	<i>Shumard Red Oak</i>
<i>Quercus macrocarpa</i>	<i>Bur Oak</i>
<i>Quercus nigra</i>	<i>Water Oak</i>
<i>Quercus muhlenbergii</i>	<i>Chinkapin Oak</i>
<i>Quercus marilandica</i>	<i>Black Jack Oak</i>
<i>Sapindus drummondii</i>	<i>Western Soapberry</i>
<i>Sophora affinis</i>	<i>Eve's Necklace</i>
<i>Prunus mexicana</i>	<i>Mexican Plum</i>
<i>Celtis occidentalis</i>	<i>Hack / Sugarberry</i>
<i>Carya illinoensis</i>	<i>Pecan</i>
<i>Acer negundo</i>	<i>Boxelder</i>
<i>Carya spp.</i>	<i>Hickories</i>
<i>Ilex decidua</i>	<i>Possumhaw Holly</i>
<i>Fraxinus spp.</i>	<i>Ash</i>
<i>Cercis canadensis</i>	<i>Redbud</i>
<i>Crataegus</i>	<i>Hawthorne</i>
<i>Diospyros virginiana</i>	<i>Persimmon</i>
<i>Juniperus spp.</i>	<i>Junipers and Cedar</i>
<i>Bumelia lanuginosa</i>	<i>Chittamwood, Gum</i>
<i>Pyrus spp.</i>	<i>Elastic</i>
<i>Ulmus americana</i>	<i>Pear</i>
<i>Ulmus crassifolia</i>	<i>American Elm</i>
	<i>Cedar Elm, Winged Elm</i>

- How do we do this?

Tree Protection Zones

Transplanting

- We must encourage State and Local Community Involvement. **Trees are for everyone.**

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IN CONCLUSION

- What will be our Legacy?
- Will we be known as a society that did not recognize the value of trees?
- Trees are vital to our survival on this planet; therefore, it is crucial to protect and preserve them here in the **Cross Timbers Region of North Texas**.
- Trees provide welcome relief from the heat, they improve the air we breathe and stabilize our soil.
- Trees grace our surroundings with a bountiful array of color, texture and form. Nothing else so naturally makes our cities and country so inhabitable. Although many of us over-look trees and take them for granted, they are severely affected by our ignorance.
- No other single plant form is so prominent in our daily lives or is so widely recognized. It is certainly true, trees have a universal appeal and for good reason: **THEY ENDURE**.....

