

MEMORANDUM

To: Mayor Andrew Gilich
Jerry Creel, Director of Community Development
Eric Nolan, Arborist
City Council Members
Mike Leonard, CAO

From: City of Biloxi Tree Committee
Carroll Campbell, Chair (5)
Beua Blalock (6)
Tracy Wyman, Secretary (3)
Matt Dubaz (2)
Robin Rodolfich (1)
Geneva Dummer (4)
Pam Barlow (7)

Date: January 14, 2020

Re: Recommendations for Bertucci Park / Phase 1, TR-20-001, 2330 Atkinson Road

The Tree Committee has reviewed the site plan and tree inventory provided by the City Arborist for Bertucci Park, a proposed subdivision to be developed on Atkinson Road, in the City of Biloxi. Three Tree Committee members visited the site, along with the City Arborist.

A tree survey was provided by the developer showing the following:

<u>Species</u>	<u># Protected Trees</u>	<u># Trees Proposed for Removal</u>
Live Oak	299	82
Other Oaks	194	39
Magnolia	6	5
Sycamore	11	5

The Committee walked the site and took special care to examine the larger trees proposed for removal. Based on the survey and the visit, and the requirements of the LDO, the Committee makes the following comments and recommendations:

1. The Developer has obviously taken care to conserve as many protected trees as possible, while still developing the site, and approves permitting the trees for removal as noted in the table above.
2. Mitigation must occur within 6 months of the properties' receipt of the Certificate of Development Compliance. Mitigation is to occur at a rate of 3:1. The Committee makes the following mitigation recommendations:

50% of replanting should replace the same species removed;

The developer should refer to the attached Native Tree Replanting Species List when mitigation trees of another species are chosen. This will allow for a variety of native species in layers, since some trees will be large trees, and others will be medium and small 'understory trees.

The developer is encouraged to plant as many trees on-site as possible as follows:

- Street Trees;
- 2 trees in every front yard;
- Trees to create a buffer and/or natural area between lots, and 'natural areas' toward the backs of lots;
- Trees and key entry points;
- Trees at the planned park within the property;
- Trees surrounding stormwater detention in naturalistic form.

Where on-site mitigation is not feasible, off-site mitigation may occur in cooperation with the City Arborists. A list of potential mitigation sites is also attached.

3. The Committee also recommends the developer utilize Sustainable Development Incentives as outlined in the Land Development Ordinance, in addition to low impact development stormwater principles which may save the developer money and provide more available units for sale.
4. Include a statement or detail regarding tree protection during construction which includes tree protection fencing and complies fully with the Land Development Ordinance.

City of Biloxi Tree Committee

Suggested Native Trees for Replanting/Mitigation (organized by size and growth cycle)

Information on preferred light, soils, habit, fruit/flowering, and drainage for each species is available at https://extension.msstate.edu/sites/default/files/publications/publications/p2330_0.pdf

LARGE TREES (Over 40' ht)

Deciduous

Acer rubrum var. *drummondii* Sargent

Acer rubrum Linnaeus

Carya glabra

Celtis laevigata

Fraxinus americana

Liquidambar styraciflua

Liriodendron tulipifera

Magnolia virginiana

Plantanus occidentalis

Prunus serotina Ehrhart

Quercus alba Linnaeus

Quercus falcata var. *pagodifolia* Elliott

Quercus michauxii Nuttall

Quercus nuttallii Palmer

Quercus shumardii

Quercus phellos Linnaeus

Nyssa sylvatica Marshall var. *sylvatica*

Nyssa sylvatica var. *biflora* Sargent

Taxodium ascendens

Taxodium distichum

Ulmus alata

Ulmus crassifolia Nuttall

Swamp Red Maple

Red Maple

Pignut Hickory

Sugarberry

White Ash

Sweetgum

Tulip Tree

Sweetbay

Sycamore

Black Cherry

White Oak

Cherrybark Oak

Swamp Chestnut Oak

Nattall Oak

Shumard Oak

Willow Oak

Tupelo Gum

Black Gum

Pond Cypress

Bald Cypress

Winged Elm

Cedar Elm

Protected by City of Biloxi

Evergreen

Magnolia grandiflora

Pinus glabra

Pinus palustris Miller

Quercus virginiana

Southern Magnolia

Spruce Pine

Long Leaf Pine

Live Oak

Protected by City of Biloxi

Protected by City of Biloxi

MEDIUM TREES (20-40' ht)

Deciduous

Acer saccharum floridanum

Betula nigra,

Carpinus caroliniana Walter

Cornus alternifolia Linne

Cornus strica Lamarack

Crataegus marshallii Eggleston

Crataegus opaca Hooker and Arnott

Cyrilla racemiflora Linnaeus

Diospyros virginiana

Halesia diptera Ellis

Ilex decidua Walter

Malus angustifolia Michaux

Rhus coppalina Linnaeus

Florida Maple

River Birch

Ironwood

Pagoda Dogwood

Swamp Dogwood

Parsley Hawthorne

Mayhaw

Titi

Native Persimmon

Silverbell

Deciduous Holly

Southern Crabapple

Winged Sumac

Evergreen

Ilex opaca Aiton

American Holly

Ilex vomitoria Aiton

Yaupon Holly

Prunus caroliniana Ehrhart

Cherry Laurel

SMALL TREES (under 20' ht)

Deciduous

Aesculus pavia

Red Buckeye

Amorpha fruticosa Linnaeus

Indigo Bush

Euonymus atropurpureus Jacq.

Burning Bush

Forestiera acuminata Poir

Swamp Privet

Hydrangea quercifolia Bartr

Oakleaf Hydrangea

Vaccinium arboreum

Sparkleberry

Chionanthus virginicus

Fringe Tree

Evergreen

Baccharis hamifolia

Groundsel Tree

Myrica cerifera

Wax Myrtle

This list is not comprehensive. References should be consulted for a comprehensive list and information regarding height, form, spacing, soil, drainage and light requirements.

References:

https://extension.msstate.edu/sites/default/files/publications/publications/p2330_0.pdf

http://www.fwrc.msstate.edu/pubs/ms_trees.pdf

City of Biloxi Tree Committee

Suggested Tree Mitigation Sites

General Suggestions

- On the same site where the tree was removed, when space allows
- Sites where irrigation currently exists, or is feasible for immediate installation

Specific Locations

Streets

- Popp's Ferry Road from the nearest cross street to the Dog Park eastwards
- Howard Ave./Downtown restoration project (Ward 2)

Community Centers & Sports Complexes

- Holloway Sports complex
- Margaret Sherry Soccer Fields

Parks

- Popp's Ferry Road Dog Park
- Edgewater Park on Edgewater Drive
- Hiller Park
- Barhonovich Park at Porter Avenue (Ward 1)
- Savarro Park on Irish Hill
- Rosetti Park on Crawford Street
- City Park on Kensington Drive
- Henry Beck Park (Ward 2)

Schools – *With students helping to nurture through establishment period.*

- Biloxi High School
- Biloxi Junior High School
- Biloxi Upper Elementary
- Gorenflo Elementary
- Jeff Davis Elementary
- Nichols Elementary
- North Bay Elementary
- Popp's Ferry Elementary

Other Public Spaces

- Biloxi Cemetery
- Property just east of the Ohr Museum on Hwy 90 (Ward 1)
- Biloxi Town Green (Ward 2)
- Mardi Gras Museum Property (Ward 2)
- Tree wells on Howard Ave in front of the Library