## PRESERVATION AREA MANAGEMENT PLAN

#### WESTWOOD COUNTRY ESTATES,

## a Planned Unit Development

The following Preservation Area Management Plan (hereinafter referred to as the "Plan") shall be used to govern all activities or concerns relating to wetland and upland transition zone preservation areas (hereinafter referred to as the "Preservation Areas") noted on the Plat of Westwood Country Estates, a Planned Unit Development (hereinafter referred to as the "Plat"). Pursuant to the Martin County Growth Management Department and Development Review Committee conditions as stated in the 1990 staff analysis, the Plan will conform to the Martin County Land Development Code and Comprehensive Plan objectives regarding preservation and incorporation of native plant ecosystems into residential development.

The basis of the Plan is to assure the continued viability of all preservation zones within the P.U.D. during construction and post-construction activities. The following information will address the Preservation Areas and concerns common to each as well as maintenance responsibilities of the Westwood Country Estates Property Owners Association, Inc., (hereinafter referred to as the "Association"):

## 1. DELINEATION AND SURVEYING SPECIFICATIONS

3.

All Preservation Areas shall be field surveyed based on the Plat preservation delineation to maintain compliance with required area calculations and preservation limits. No offset staking shall be allowed in Preservation Areas to describe any survey line. No plant material will be removed from Preservation Areas to facilitate surveying. All required Preservation Areas shall be reflected on the Plat to insure compliance of required quantity of preservations.

## 2. REMOVAL AND MANAGEMENT OF EXOTIC VEGETATION AND DEBRIS

All exotic vegetation must be removed. This vegetation must be removed manually from the preserve area, without the use of heavy equipment. Remaining stumps must be treated with a contact herbicide to prevent regrowth. A periodic eradication program shall be established to monitor possible exotic re-establishment. No debris (i.e. garbage, plant clippings, wood scraps, etc.) will be allowed in any Preservation Areas.

## 3. REVEGETATION WITH COMPATIBLE NATIVE VEGETATION

Within Preservation Areas, any revegetation necessitated by exotic removal shall consist of native plant species indicative of the natural plant community of that location to insure continuity of indigenous plant association. Revegetation may be achieved through the use of nursery stock material or on-site transplants using the built area as a donor site. If transplants are used, adequate water for temporary irrigation must be in place prior to transplant operation commencement.

## 4. POTENTIAL SPECIES FOR REVEGETATION

Upland	Transition	Wetland
Sabal palmetto	Acre rubrum	Avicennia germinans
Myrica cerifera	Conocarpus erecta	Rhizophora mangle
Pinas clausa	Spartina bakeri	Spartina patens
Pinus elliotti	Persea borbonica	Iva frutescens
Ilex cassine	Iva imbicata	Annona glabra
Ilex vomitoria	Juncus effusus	Juncus roemerianus

Wetland

Quercus virginana Lantana depressa Serenoa repens Borrichia frutescens Acrostichum danaeaefoliom

Arostichum danaeaefoliom Laguncularia racemosa

Note:

Additional plant species may be proposed subject to prior approval from the Growth Management Department.

Herbaceous material shall be installed using liner of 2" nursery stock with 18" to 24" on-center spacing. Woody material shall be 4' to 10' with on-center spacing to mimic natural association (i.e. informal massing, curvilinear planting arrangement, staggered heights, mixed species, etc.).

## 5. PRESERVATION AREA PROTECTION

All Preservation Areas shall be provided with protective wooden barriers to restrict any activity within these areas during construction. The barriers, constructed of 2"x4" or 4"x4" wood, will be located on the outer edge or canopy dripline of each Preservation Area and will be conspicuous to equipment operators. No building materials or vehicles will be placed within this area.

Excavation in Preservation Areas necessary for utilities will be only within the easements shown on the Plat. Each easement will be flagged or roped-off to visually indicate to the Contractor the limits of construction. No building materials or vehicles will be stored within this area.

All grade changes will be engineered so that any cut or fill will meet existing elevation prior to encroaching on any Preservation Area.

Contractors responsible for site work will be informed of the significance of Preservation Area protection prior to undergoing construction activity in order to avoid site damage resulting from soil compaction, unnecessary cutting of roots, carelessness with tools and equipment or any other mechanical or chemical injuries. Stiff penalties shall be incurred by any Contractor who knowingly disturbs, or causes to be disturbed, protected vegetation.

Irrigation systems shall be designated to discharge away from all native preservation areas so as not to increase natural precipitation volume.

Prohibited activities in the preserve areas include but are not limited to: construction or placing of building materials on or above the ground, dumping or placing soil or other substances such as garbage, trash, and cuttings, removal or destruction of native trees, shrubs, or other vegetation, excavation, dredging, or removal of soil material, diking or fencing, recreational vehicle use, and any other activities detrimental to drainage, flood control, water conservation, erosion control, or fish and wildlife habitat conservation or preservation.

## 6. NATIVE PRESERVE ALTERATION

The only alteration or activities allowed in Preservation Areas will be the following, and are subject to written approval from Martin County:

- a. The removal of dead or diseased plant material.
- b. The removal of exotic plant material and refuse.

- c. The removal of vegetation in Preservation Areas due to excavation of drainage and utility easements. Native vegetation in the form of ground cover or shrubs will be used in restoring the impacted area to its pre-construction degree of cover.
  - d. Planting of compatible vegetation. (see No. 4 above)

# 7. WETLAND AND UPLAND TRANSITION ZONE DEDICATION

The Wetland and Upland Transition Zone Areas, as shown on the Plat of WESTWOOD COUNTRY ESTATES, a P.U.D., shall be dedicated to the Westwood Country Estates Property Owners Association, Inc., a Florida not-for-profit corporation (hereinafter referred to as the "Association") and are hereby declared to be private preservation areas and shall be conveyed by deed to the Association for preservation purposes, and shall be maintained by the Association. No construction, alteration or destruction of these areas shall occur except as specified within this Preservation Area Management Plan as approved by the Board of County Commissioners of Martin County, Florida.

## 8. ENFORCEMENT

Martin County shall have the right to enforce the provisions of the Preservation Area Management Plan through any available administrative or civil proceeding which may result in penalties, appropriate revegetation and any other remedies as against any person, corporation or other entity in violation of any of the provisions of the Preservation Area Management Plan.

## 9, REVISION

The Preservation Area Management Plan may not be revised without written approval from the Martin County Growth Management Department.