TREE AND PALM RELOCATION – CONSTRUCTION.
(REV 7-13-21) (FA 7-14-21) (FY 2027-28)

SECTION 581
TREE AND PALM RELOCATION

581-1 Description.

Remove, relocate, and maintain trees and palms in accordance with the Contract Documents.

581-2 Materials.

581-2.1 Water: Meet the requirements of Section 983.

581-2.2 Fertilizer: Provide fertilizer as shown in the Plans.

581-2.3 Mulching: The use of cypress mulch is prohibited.

581-2.4 Landscape Soil: Meet the requirements of Section 987.

581-3 Reporting.

581-3.1 Tree and Palm Condition Report: Submit a Tree and Palm Condition Report at the preconstruction meeting. Document the existing condition of all trees and palms scheduled to be relocated. Include at a minimum:

1. Tree and Palm numbers, as shown in the Contract Documents
2. Description of any damage, disease, scars or infestation
3. Photographs of trees and palms

581-3.2 Relocation Work Plan: Provide a Relocation Work Plan in accordance with the Florida Nursery Growers and Landscape Association (FNGLA) guidelines. The plan must be prepared by an International Society of Arboriculture (ISA) Certified Arborist, or a Florida Licensed Landscape Architect. Submit the Relocation Work Plan for approval at least one week prior to performing initial root pruning or initiating tree relocation operations. Include at a minimum:

1. A schedule for all relocation activities, including activities that occur prior to, and post relocation
2. Proposed equipment
3. Palm frond removal, bundling, splinting
4. Root pruning procedures
5. Watering procedures
6. Anti-desiccation measures
7. Proposed fertilizer
8. Sample tree identification tag
9. Proposed fungicide, as needed

581-4 Worksite Landscape Supervisor.

Provide a Worksite Landscape Supervisor to directly oversee all tree and palm relocation work. The Worksite Landscape Supervisor must be an ISA Certified Arborist, or a State of Florida Registered Landscape Architect, or a Certified Landscape Technician or Certified Landscape Contractor in accordance with FNGLA. Provide verification at the preconstruction meeting.

581-5 Relocation Requirements.

Attach plant identification tags as applicable in a manner that does not impact the health of the tree or palm. Do not use paint. Match the plant numbers indicated on the Plans.

Protect trees and palms from damage.

Perform lifting using a tree spade or using nylon-metallic slings wrapped around the trunk.

At the removal location, fill the hole with landscape soil, unless other material is shown in the Contract Documents or approved by the Engineer.

Install relocated trees and palms in their final location within 24 hours of performing initial root pruning, unless otherwise approved in the Relocation Work Plan.

New nursery stock or other material may not be substituted for a relocated tree or palm.

Demonstrate that planting holes are free draining prior to planting. Notify the Engineer of drainage or percolation problems before plant installation.

Plant trees and palms to the same depth at which they were removed.

Brace relocated trees and palms in accordance Standard Plans Index 580-001.

Maintain trees and palms in an upright position at all times.

Install tree protection barrier around relocated trees and palms in accordance with Standard Plans Index 110-100.

Remove leaf ties within 14 days of installation.

581-6 Post Installation Period Requirements.

The post installation period is a period of one year from the date of final installation, or until the date of the Engineer's final acceptance of the project, whichever comes first. During the post installation period:

1. Maintain trees and palms to a condition equivalent to the health characteristics in the Tree and Palm Condition Report.

2. Remove dying or dead palms, including the root ball. Cut dying or dead trees flush with the ground surface and remove. Regrade and sod or mulch the site to match the adjacent condition and grade.

3. New nursery stock or other material may not be substituted for a dying or dead relocated tree or palm.

4. Remove bracing at the conclusion of the post installation period unless otherwise directed by the Engineer. Do not allow bracing or straps to damage or become embedded.

581-7 Method of Measurement.

The quantities to be paid for will be the number of each item removed, relocated and accepted. Multi-trunk or clustering trees or palms will be measured as a single plant.

No separate measurement or payment will be made for preparing plant materials, filling holes, bracing, or maintenance requirements. Tree Protection barrier will be paid in accordance with Section 110.

581-8 Basis of Payment.

Price and payment will be full compensation for all work specified in this Section. For each plant successfully relocated, a payment of 85% is due. The remaining 15% is due after successful completion of the post installation period. For each plant that is dead or dying at the end of the post installation period, a 50% deduction in payment will be made if the relocation is

in excess of 10% of the contract quantity. To qualify for a deduction, the following formula is used:

$$PD = [D - (0.1 * P)] * 0.5 * C$$

Where: PD = Payment Deduction (dollars)

D = Number of dying or dead relocated plants by pay item

P = Contract quantity of relocated plants by pay item

C = Contract unit price per relocated plant by pay item

If $[D - (0.1 * P)] \leq \text{zero}$, then no payment deduction will be assessed.

Payment will be made under:

Item No. 581-1- Relocate Trees and Palms – each.