

**Applicable Documents:**

A. These Specifications and the requirements hereafter will govern the project during the installation, guarantee and maintenance period.

**Scope of Work:**

A. The work specified by the Section of the Specifications and on the Plans consists of furnishing all labor, machinery, tools, apparatus, means of transportation, support equipment, materials, services and incidentals necessary to complete the work as indicated on the Plans and in these Specifications, as well as all other related responsibilities, including all change and repairs inherent thereto.

B. The work shall include, but not be limited to, furnishing material, root pruning where required, layout, protection to the public, excavation, installation, backfilling, grading, fertilizing, watering, staking and guying where required, watering, pruning where required, soil installation, weeding, cleaning, maintenance and guarding.

C. Quantities and Location: The Landscape Architect reserves the right to adjust the numbers and locations of the designated types and species to be used in any of the locations shown in order to provide for any modifications which might be necessary.

D. Investigation of Subsurface Condition: The Contractor shall be responsible for making site subsurface investigations and reports as he or she deems proper in order to become familiar with the character of the existing material and the construction conditions under which the work is to be performed. These subsurface investigations and examinations shall be included in the bid. The Contractor shall not receive separate additional compensation for this.

E. The Landscape Contractor shall be paid for only those units which are installed at the time of request for payment. The contractor's unit prices shall be based on the total amount of payment may or may not be the total sum of the contract depending on the number of units installed.

F. Ten percent (10%) of the total contract price will be held as a retainer for the Contractor.

G. The Landscape Contractor will coordinate his work with all other trades at the job site.

**Quality Assurance:**

A. The Landscape Architect may inspect trees, shrubs, and groundcover either at the place of growth or at the site before planting for compliance with the requirements for size, variety, size and quality. The Landscape Architect reserves the right to further inspect trees and shrubs for size and condition of balls and root system, insects, injuries, and latent defects, and try to reject unsatisfactory or defective material at any time during the progress of work. The Landscape Contractor shall remove rejected trees or shrubs within 10 days from the project site.

B. Responsibility for Assuring Quality Work:

(1) The Contractor's Superintendent shall speak English and be well versed in Florida plant material planting operations. Plans and Specification interpretation, coordination with other contractors or service in the project area and coordination between the nursery and the project.

(2) All employees shall be competent and highly skilled in their particular job in order to properly perform the work assigned to them. The Contractor shall be responsible for maintaining the quality of the material on the project.

(3) The Contractor will comply with applicable Federal, State, County and local requirements governing landscape materials and work.

**C. Grade Standards:**

(1) Plant material shall be Florida # or better as set forth in the latest edition of the Florida Department of Agriculture's Grades and Standards for Nursery Plants.

(2) All plant material shall be subject to the approval of the Landscape Architect for quality, size and color. Plans indicating the compasses or proper proportions, contractor's unit prices shall be based on the total amount of payment may or may not be the total sum of the contract depending on the number of units installed.

(3) Plant material shall have normal well developed branches and shall be vigorous plants, free from latent defects, decay, burn, disfiguring roots, sun-scald, injuries, abrasion of the bark, plant diseases, insect beet, eggs, borers, and all forms of infestations or objectionable damage.

**Delivery Handling and Storage:**

A. Delivery and Handling:

(1) Movement of nursery stock shall comply with all Federal, State, and local laws, regulations, ordinances, codes, etc.

(2) Trucks, during delivery to prevent damage to root ball or desiccation of leaves, Remove unsatisfactory plant materials immediately from the job site. Harvest and protect until shipped at the site.

(3) Transport materials on vehicles large enough to allow plants not to be crowded and damaged. Plans shall be covered to prevent wind damage during transit.

B. Eod:

(1) Deliver soil on pallets with root sack protected from exposure to wind and rain. Deliver soil in quantities capable of being installed within 48 hours of cutting.

**Submittals & Approvals:**

A. Utilize request for approval to substitute a plant species or a plants designation (FDB, IBBB, CG, etc.) type, grade, quality, size, quantity, etc. due to the non-availability of the material specified. Approval must be given by the Landscape Architect before the material is delivered and installed on the project. The Contractor must provide written proof that the specified plant material is available.

B. Any request for the approval of an equal shall be in writing. Approval shall be given by the Landscape Architect before the material is delivered and installed on the project.

C. Submit three prints of shop drawings for any special conditions not covered in the details indicated. This shall be for approval by the Landscape Architect before they are implemented in the project.

D. If requested by the Owner or Landscape Architect submit a schedule of all specimen plant material and collected plant material including the sources or suppliers of these materials and their locations (for approval by the Landscape Architect) before they are delivered and installed on the project. Also, two color photographs of each different item, showing the entire plant, shall be submitted along with the schedule. Additional color photographs shall be submitted, if requested.

E. If requested by the Owner or Landscape Architect, submit a letter indicating the sources or suppliers of all soil and mulch to be supplied for approval by the Landscape Architect before it is delivered and installed on the project.

**Guarantee:**

A. The guarantee shall not begin until the day final written acceptance is given.

B. All soil shall be guaranteed for a minimum of 60 days after the time of final acceptance. All trees, palms, and shrubs are to be guaranteed for one year from the time of final acceptance.

C. The guarantee shall be null and void for plant material which is damaged or dies as a result of "Acts of God" limited to: hail, freeze, lightning and wind which exceed hurricane forces providing the plant was in a healthy growing condition during these "Acts of God".

D. As the option of the Owner, and Inspections may be made at the end of the guarantee period, but prior to the last day of the guarantee period.

**Replacement:**

A. The guaranteeing of a plant material shall be construed to mean the complete and immediate replacement of plant material within 3 calendar days if it is:

(1) Not in a healthy growing condition and the remainder is below the minimum quality indicated in the Specifications.

(2) There is a question to its ability to survive after the end of the guarantee period that would render it below the minimum quality indicated in the Specifications.

(3) It is dead.

B. The 3 calendar days may be extended due to seasonal conditions, availability, preparation the such as root pruning, etc., only if approved by the Landscape Architect in advance. The extended time shall be negotiated between all parties concerned, but no maximum final approval by the Landscape Architect.

C. Size, Quality, and Grade:

(1) Replacement plant material shall be of the same species, quality and grade as the plant it was to replace.

(2) The site of the replacement shall not necessarily be the same site as the original specified item, but it shall be installed in the same place. The replacement shall be of equal size to the plant to be replaced at the time it has been determined that it must be replaced.

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**Planting Soil:**

A. All plant material, unless indicated otherwise, shall be installed using a planting soil composed of sandy loam (70% sand), and 30% silt/clay of the locality. The Landscape Architect may direct the Contractor to use Florida Palm Fertilizer to accommodate an owner's "ground opening". The Contractor may retire the palm after the event. The final amount of payment may or may not be the total sum of the contract depending on the number of units installed.

(2) To reduce head volume, Palm Fertilizer may be taper trimmed by not more than one-third.

(3) Plants with mechanical damage, such as from cables, electrical wires, etc., shall be removed.

**Water:**

A. Potable, from municipal water supplies or other sources which are approved by a local health department.

**Mulch:**

A. Mulch shall be:

(1) "Floratim" or other approved recycled mulch (approved by Landscape Architect or other governing agency)

**Fertilizer:**

A. New and existing Trees and Palms: Fertilizer with 8-2-2 palm fertilizer with micronutrients per manufacturer's recommendations.

B. New and existing Shrubs, and Groundcover: Fertilizer with 8-2-2 palm fertilizer with micronutrients at a rate of 1/2 to 1 per 1000 sq. ft. of area.

C. Annuals: Fertilizer with Osmocote - items listed 14-14-14 or approved equal.

D. Completion and Quality: All fertilizer shall be uniform in composition and dry. Granular fertilizer shall be free from clumping and delivered in unopened bags. All bags contain or include a fertilizer analysis. Soil sections shall be taken and analyzed to determine the soil's nutrient status. Soil shall be relatively free of trash, up to one half inch diameter (uncompressed).

E. All fertilizer shall comply with the State of Florida fertilizer law.

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**Staking and Guying:**

A. Staking and guying shall be the responsibility of the Landscape Contractor. Staking and guying shall not be attached directly to the plant material with nails. All stakes and guys used in staking and guying shall not be attached to the plant material with nails. Any method of staking and guying other than those indicated in the details, shall receive approval from the Landscape Architect prior to their installation. One circumstance all approval is given to allow the planting, burying or planting of trees or plants so that the top of the grade, in order to eliminate the need or necessity of staking or guying.

B. The Contractor is responsible for performing all staking and guying in accordance with all applicable regulations, ordinances and code requirements from the appropriate local jurisdiction. The Contractor shall be responsible for the cost of staking and guying.

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**EXECUTION:**

A. Utilities (Above Ground and Underground):

(1) The work area may have existing utilities, such as but not limited to, irrigation, phone, electrical and storm sewer. The location of some of these existing utilities have been indicated on the Plans.

(2) The Contractor shall take immediate steps to repair, replace or restore all services to any utilities or other facilities which are disrupted due to his or her operations. The Contractor shall be responsible for the cost of any repairs or restoration "around the clock", based on the time of day. The Contractor shall be responsible for the cost of any repairs or restoration "around the clock", based on the time of day. The Contractor shall be responsible for the cost of any repairs or restoration "around the clock", based on the time of day.

(3) Should utilities, structures, etc. be encountered which interfere with the work, the Landscape Architect shall be consulted immediately in order for a decision to be made on the relocation of the work so as to clear the area for the work. If the relocation cannot be relocated, the Contractor shall be responsible for the cost of any repairs or restoration "around the clock", based on the time of day.

(4) The Contractor shall not purposefully damage or discover any type of utility whatsoever, without first notifying the utility provider in writing. The Contractor shall be responsible for the cost of any repairs or restoration "around the clock", based on the time of day.

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**Spacing of Groundcover & Shrubs:**

A. The location of a planting bed (crown or groundcover) next to another bed, utility, structure, etc. shall have the plants along the perimeter spaced so that the plants can mature properly without growing into the other bed, utility, structure, etc.

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