



Florida Department of Transportation

RICK SCOTT
GOVERNOR

605 Suwannee Street
Tallahassee, FL 32399-0450

MIKE DEW
SECRETARY

August 1, 2017

Khoa Nguyen
Director, Office of Technical Services
Federal Highway Administration
3500 Financial Plaza, Suite 400
Tallahassee, Florida 32312

Re: State Specifications Office
Section: SP5800000FA
Proposed Specification: **Landscaping.**

Dear Mr. Nguyen:

We are submitting, for your approval, two copies of the above referenced Special Provision.

The changes are proposed by Jeff Caster to provide for a certified work site landscape supervisor and to update the specification to current language.

Please review and transmit your comments, if any, within two weeks. Comments should be sent via email to dan.hurtado@dot.state.fl.us.

If you have any questions relating to this specification change, please call me at 414-4130.

Sincerely,

Signature on File

Dan Hurtado, P.E.
State Specifications Engineer

DH/rf

Attachment

cc: Florida Transportation Builders' Assoc.
State Construction Engineer

All Federal Aid Jobs with Landscaping. Use when requesting by the DDE.

LANDSCAPING.

(REV ~~1-7-15~~ ~~6-22-16~~ (FA ~~3-13-15~~ ~~(7-16)~~ ~~(4-26-17)~~ ~~(7-31-17)~~ (7-17)

The following new Section is added after Section 571:

SECTION 580 LANDSCAPING

580-1 Description.

Install landscaping as indicated in the Contract Documents.

580-2 Materials.

580-2.1 Plants:

580-2.1.1 Sizes: Small plants includes all ground covers, shrubs ~~to~~ less than 7 gallon, trees ~~to~~ less than 7 gallon, clustering type palms less than 6 foot overall height, cycads ~~to~~ less than 7 gallon, and incidental landscaping.

Large plants include shrubs 7 gallon or greater, trees 7 gallon or greater, all single trunk palms, and clustering type palms 6 foot overall height and greater.

580-2.1.2 Grade Standards and Conformity with Type and Species: ~~Only use nursery grown~~ Provide plant materials that comply with all required inspection, grading standards, and plant regulations in accordance with the latest edition of the Florida Department of Agriculture's "Grades and Standards for Nursery Plants."

Unless otherwise specified, the minimum grade for ~~all~~ plant material ~~plants~~ is Florida No. 1. ~~or better.~~ Plant materials ~~All plants~~ must be the specified size and grade at the time of delivery to the site. ~~and the minimum grade maintained until final acceptance.~~

Use only plants that are true to type and species, free of fungal infection and disease, and ensure that the plants not specifically covered by Florida Department of Agriculture's "Grades and Standards for Nursery Plants" conform in type and species with the standards and designations in general acceptance by Florida nurseries. Submit a list of nurseries where plants are tagged, including contact information and location. The Engineer and Contractor may visit the nursery sites to inspect representative samples and lock tag the example plant material.

A minimum of two plants of each species on each shipment must be shipped with tags stating the botanical nomenclature and common name of the plant. Should discrepancies between botanical nomenclature and common name arise, the botanical name will take precedence.

Sabal palms (Sabal palmetto) specified as being "Regenerated Palms" must be minimum Florida no. 1 grade unless noted otherwise. The root ball width must be, at a minimum, equal to twice the diameter of the trunk as measured at the base. The root balls must have new, regenerated, round-tipped roots that have emerged from the root initiation zone. Roots shall be whitish-yellow in color, have tapered ends and be present on all sides of the root ball.

To qualify as "Regenerated Palms," sabal palms must have been placed in containers or be contained within plastic fabric or film material, or approved equal, after field harvesting and during the root regeneration period. Regenerated palms must have a minimum of three fully expanded new fronds that have not been pruned. Fully expanded new fronds shall meet the minimum requirements for Excellent Leaves, as defined by the glossary of terms in the

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~~latest edition of the Florida Department of Agriculture and Consumer Services Grades and Standards for Nursery Plants—Palms and Cycads.~~

580-2.21.3 Inspection and Transporting: Move nursery stock in accordance with all Federal, ~~and State, and Local Rule R~~ regulations. ~~For and accompany~~ each shipment ~~of nursery stock, provide at the nursery's General Nursery Stock Inspection Certificate as the~~ required ~~in Chapter 5B-2, F.A.C. inspection certificates for filing with the Engineer.~~

580-2.32 Water: Meet the requirements of Section 983.

580-2.43 Mulching: Use of cypress mulch is prohibited.

580-2.5 Soil: Remove all unsuitable soil and debris to root ball depth. Replace soil meeting the requirements of Section 987-2.4.

580-3 Worksite Landscape Supervisor.

Provide a Worksite Landscape Supervisor to directly oversee all landscape installation. The Worksite Landscape Supervisor must be a Certified Landscape Technician or Certified Landscape Contractor in accordance with the Florida Nursery Growers and Landscape Association (FNGLA) located at the following URL address:

<https://www.fn gla.org/certifications/index.aspx>, or a State of Florida Registered Landscape Architect. Provide verification at the pre-construction meeting ~~work conference.~~

580-43 Installation.

580-4.1 Installation Plan: At pre-~~work~~ construction meeting, provide an Installation Plan for review and comment. Specifically describe the methods, activities, materials, and schedule to achieve installation as described in ~~580-4~~ this Section. Include a schedule for monthly inspections and reports described in 580-4.9. Begin installation after Installation Plan is accepted by Engineer.

580-43.21 Delivery: All materials must be available for inspection before installation. ~~and will be subject to approval or rejection.~~

580-43.32 Layout: The locations of plants as shown in the Contract ~~d~~ Documents are approximate. At no cost to the Department adjust final locations when directed by the Engineer to accommodate unforeseen field conditions or to comply with safety setbacks and requirements. Mark proposed mowing limits, planting beds and individual locations of trees and palms as shown in the Contract Documents for the Engineer's review, prior to excavation or planting.

Make no changes to the layout, ~~materials~~ or any variations of ~~plant~~ materials from the Contract Documents without the Engineer's ~~written~~ approval.

580-43.43 Soil Drainage: ~~All p~~ Planting holes and beds must drain sufficiently. ~~prior to installing any plants. Immediately n~~ Notify the Engineer of drainage or percolation problems before plant installation.

580-43.54 Planting: Meet the requirements of the Contract Documents. ~~Design Standards, Index No. 544.~~

580-4.6 Maintenance: Maintain plant material to the equivalent visible structural, quality and health characteristics of Florida No.1.

580-4.7 Site Repair and Restoration: Repair and restore existing areas disturbed by installation or maintenance activities. Where new turf is required to restore and repair disturbed areas, meet the requirements of Section 570.

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580-~~54~~.8 Disposal of Surplus Materials and Debris.

Remove from the jobsite any surplus material unless otherwise directed by the Engineer. Surplus is defined as material not needed after installation of ~~plants~~landscaping per Contract Documents. Upon commencement of ~~the plant~~landscaping installation, remove daily all ~~landscape installation~~ debris from the landscape locations described in the Contract Documents.

580-~~65~~ Method of Measurement.

The quantities to be paid for will be the items shown in the Contract Documents, completed and accepted.

580-~~76~~ Basis of Payment.

Price and payment will be full compensation for all work and materials specified in this Section.

LANDSCAPING.**(REV) (7-31-17) (7-17)**

The following new Section is added after Section 571:

**SECTION 580
LANDSCAPING****580-1 Description.**

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580-2.1.2 Grade Standards and Conformity with Type and Species: Provide plant materials that comply with all required inspection, grading standards, and plant regulations in accordance with the latest edition of the Florida Department of Agriculture's "Grades and Standards for Nursery Plants."

Unless otherwise specified, the minimum grade for plant material is Florida No. 1. Plant materials must be the specified size and grade at the time of delivery to the site.

Use only plants that are true to type and species, free of fungal infection and disease, and ensure that the plants not specifically covered by Florida Department of Agriculture's "Grades and Standards for Nursery Plants" conform in type and species with the standards and designations in general acceptance by Florida nurseries. Submit a list of nurseries where plants are tagged, including contact information and location. The Engineer may visit the nursery sites to inspect representative samples and lock tag the example plant material.

A minimum of two plants of each species on each shipment must be shipped with tags stating the botanical nomenclature and common name of the plant. Should discrepancies between botanical nomenclature and common name arise, the botanical name will take precedence.

580-2.2 Inspection and Transporting: Move nursery stock in accordance with all Federal, State, and Local Rule Regulations. For each shipment of nursery stock, provide the nursery's General Nursery Stock Inspection Certificate as required in Chapter 5B-2, F.A.C.

580-2.3 Water: Meet the requirements of Section 983.

580-2.4 Mulching: Use of cypress mulch is prohibited.

580-2.5 Soil: Remove all unsuitable soil and debris to root ball depth. Replace soil meeting the requirements of Section 987-2.4.

580-3 Worksite Landscape Supervisor.

Provide a Worksite Landscape Supervisor to directly oversee all landscape installation. The Worksite Landscape Supervisor must be a Certified Landscape Technician or Certified

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Landscape Contractor in accordance with the Florida Nursery Growers and Landscape Association (FNGLA) located at the following URL address: <https://www.fngla.org/certifications/index.aspx>, or a State of Florida Registered Landscape Architect. Provide verification at the pre-construction meeting.

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580-4.1 Installation Plan: At pre-construction meeting, provide an Installation Plan for review and comment. Specifically describe the methods, activities, materials, and schedule to achieve installation as described in this Section. Include a schedule for monthly inspections and reports described in 580-4.9. Begin installation after Installation Plan is accepted by Engineer.

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Make no changes to the layout, or any variations of materials from the Contract Documents without the Engineer's approval.

580-4.4 Soil Drainage: Planting holes and beds must drain sufficiently. Notify the Engineer of drainage or percolation problems before plant installation.

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580-4.6 Maintenance: Maintain plant material to the equivalent visible structural, quality and health characteristics of Florida No.1.

580-4.7 Site Repair and Restoration: Repair and restore existing areas disturbed by installation or maintenance activities. Where new turf is required to restore and repair disturbed areas, meet the requirements of Section 570.

580-8 Disposal of Surplus Materials and Debris.

Remove from the jobsite any surplus material unless otherwise directed by the Engineer. Surplus is defined as material not needed after installation of landscaping per Contract Documents. Upon commencement of landscaping installation, remove daily all debris from the landscape locations described in the Contract Documents.

580-5 Method of Measurement.

The quantities to be paid for will be the items shown in the Contract Documents, completed and accepted.

580-6 Basis of Payment.

Price and payment will be full compensation for all work and materials specified in this Section.