



Florida Department of Transportation

RICK SCOTT
GOVERNOR

605 Suwannee Street
Tallahassee, FL 32399-0450

JIM BOXOLD
SECRETARY

January 25, 2017

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

Re: State Specifications Office
Section: 163
Proposed Specification: **1630000 Landscape Soil Layer.**

Dear Mr. Nguyen:

We are submitting, for your approval, two copies of the above referenced Supplemental Specification.

The changes are proposed by Jeff Caster of the State Production Support Office to provide soil removal and replacement where necessary in areas designed to support growth for landscape and trees.

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

LANDSCAPE SOIL.**(DRAFT REV ~~9-21-16~~~~10-17-16~~ 1-25-17)**

SECTION 163 ~~The following new Section is added after Section 162: is renamed and replaced. Section 987.24 is added~~

**SECTION ~~162~~163
LANDSCAPE SOIL LAYER**

163-1 Description.

Furnish and install landscape soil in accordance with the Contract Documents.

163-2 Materials.

Provide landscape soil meeting the requirements of 987-2.4.

163-3 Excavation and Placement.

Excavate and dispose of existing soils in accordance with ~~the contract~~ Contract documents Documents. Do not disturb existing soil ~~anywhere~~ within 2 feet of curbs, roadways, shoulders, structures, underground utilities, sidewalks or paved pedestrian trails. Place landscape soil in ~~no more~~ greater than 12 inch ~~maximum~~ non-mechanically compacted lifts in accordance with the ~~contract~~ Contract documents Documents. ~~Meet the proposed or existing grade and drainage pattern as shown in the contract documents.~~

163-4 Acceptance Testing.

Prior to excavation meeting the requirements of 163-3, perform a field percolation test that consists of the following:

1. Every 150 feet, dig or drill a hole at least 6 inches in diameter to the depth 12 inches deeper than the installed soil layer.
2. Fill each hole with 12 inches of water.
3. Monitor and record the rate of percolation. If the rate of percolation is not 1 inch per hour or greater at a test site, notify the engineer of a failed test.

Prior to placement meeting the requirements of 163-3, provide to the Engineer the location of the soil source(s) ~~and written certification from the soil supplier(s) that the soil, as delivered, is texturally defined as a sandy loam or loamy sand, and meets the requirements of 987-2.4. Provide certification of testing as required in 987-2.4 from a soil testing laboratory approved in accordance with 105-7 showing detailing soil organic matter content using the loss on ignition (LOI) test per specifications in FM 1-T267.~~

Prior to installation of plants, perform a field percolation test that consists of the following:

1. Dig or drill a hole at least 6 inches in diameter and to 36 inches to the depth of the installed soil layer in each contiguous area or every 150 feet, whichever is less.
2. Fill each hole with at least 12 inches of water.
3. Monitor and record the rate of percolation. If the rate of drainage percolation is not at least 1 inch per hour or greater in all holes at each test site, then notify the engineer of the a failed test.

163-3 Method of Measurement.

The ~~quantities~~ quantity to be paid for will be the plan quantity ~~area~~, in ~~square~~ cubic yards, of landscape soil meeting the requirements of this Section, completed and accepted.

163-6 Basis of Payment.

Price and payment will be full compensation for completing all work specified in this Section and includes, percolation testing, furnishing, hauling, and placing materials as described in the ~~contract~~ Contract documents Documents.

Payment will be made under:

Item No. ~~162~~ 163- 1-~~1~~ Landscape Soil, per ~~square~~ cubic yard. (~~12"~~ Depth)

~~Item No. 162-1-3 — Landscape Soil, per square yard. (24" Depth)~~

~~Item No. 162-1-5 — Landscape Soil, per square yard. (36" Depth)~~

LANDSCAPE SOIL.**(DRAFT REV 1-25-17)**

SECTION 163 The following new Section is added after Section 162:

**SECTION 163
LANDSCAPE SOIL LAYER**

163-1 Description.

Furnish and install landscape soil in accordance with the Contract Documents.

163-2 Materials.

Provide landscape soil meeting the requirements of 987-2.4.

163-3 Excavation and Placement.

Excavate and dispose of existing soils in accordance with the Contract Documents. Do not disturb existing soil within 2 feet of curbs, roadways, shoulders, structures, underground utilities, sidewalks or paved pedestrian trails. Place landscape soil in no greater than 12 inch non-mechanically compacted lifts in accordance with the Contract Documents.

163-4 Acceptance Testing.

Prior to excavation meeting the requirements of 163-3, perform a field percolation test that consists of the following:

1. Every 150 feet, dig or drill a hole at least 6 inches in diameter to the depth 12 inches deeper than the installed soil layer.
2. Fill each hole with 12 inches of water.
3. Monitor and record the rate of percolation. If the rate of percolation is not 1 inch per hour or greater at a test site, notify the engineer of a failed test.

Prior to placement meeting the requirements of 163-3, provide to the Engineer the location of the soil source(s) and certification of testing as required in 987-2.4.

163-3 Method of Measurement.

The quantity to be paid for will be the plan quantity, in cubic yards, of landscape soil meeting the requirements of this Section, completed and accepted.

163-6 Basis of Payment.

Price and payment will be full compensation for completing all work specified in this Section and includes, percolation testing, furnishing, hauling, and placing materials as described in the Contract Documents.

Payment will be made under:

Item No. 163- 1 Landscape Soil, per cubic yard.