



*Florida Department of Transportation*

RON DESANTIS  
GOVERNOR

605 Suwannee Street  
Tallahassee, FL 32399-0450

KEVIN J. THIBAUT, P.E.  
SECRETARY

January 7, 2020

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

Re: State Specifications Office  
Section: **591**  
Proposed Specification: **5910000 Landscape Irrigation Sleeves.**

Dear Mr. Nguyen:

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

The changes are proposed by Jeff Caster from the Office of Design to provide a new Standard Specification for Landscape Irrigation Sleeves.

Please review and transmit your comments, if any, within two weeks. Comments should be sent via email to [daniel.strickland@dot.state.fl.us](mailto:daniel.strickland@dot.state.fl.us).

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

Sincerely,

Signature on file

Daniel Strickland, P.E.  
State Specifications Engineer

DS/rf

Attachment

cc: Florida Transportation Builders' Assoc.  
State Construction Engineer

**LANDSCAPE IRRIGATION SLEEVES.****(REV 11-12-19)**

The following new Section is added after Section 571.

**591-1 Description.**

Furnish and install landscape sleeves for irrigation pipes and wires in accordance with the Plans and Standard Plans, Index 591-001.

**591-2 Materials.**

Meet the following requirements:

Schedule 40 Polyvinyl Chloride (PVC) pipe .....Section 630

**591-3 Installation Requirements.**

**591-3.1 General:** Construct sleeves along a straight alignment at the location and depth shown in the Plans. Deviations in location or alignment may be made with prior approval of the Engineer. Provide a minimum of 24 inches between irrigation sleeves and other utilities.

**591-3.2 Backfill:** Backfill in accordance with Section 120.

**591-3.3 Coated Conductive Tape:** Install coated conductive tape directly above the sleeves with the repeated warning of "CAUTION WATER LINE BURIED BELOW," unless otherwise shown in the Plans.

**591.3.4 Pull String:** Install a continuous No. 12 American Wire Gauge pull wire or polypropylene cord within the full length of all sleeves. Ensure that a minimum of 36 inches of pull string is accessible at each sleeve termination.

**591.3.5 Sleeve Terminations:** Terminate the sleeves as shown in Standard Plans, Index 591. Fit sleeve caps at all terminations with a removable PVC threaded or slip cap.

Install a survey marker cap fastened to a 18 inch by 24 inch long permanent marker made of No. 5 rebar, a steel survey stake, or 4 inch square concrete monument above the terminating end of all sleeve pairs. Ensure that the top of cap is flush to grade with message "IRRIGATION SLEEVE" permanently imprinted on the top of monument, and will not peel, fade, or deteriorate.

**591-4 Method of Measurement.**

The quantity to be paid will be the plan quantity of landscape irrigation sleeve in place and accepted. No separate payment will be made for contractor's choice of installation method.

**591-5 Basis of Payment.**

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

Payment will be made under:

Item No. 591-1- Landscape Irrigation Sleeve - per foot.

## **LANDSCAPE IRRIGATION SLEEVES.**

**(REV 11-12-19)**

The following new Section is added after Section 571.

### **591-1 Description.**

Furnish and install landscape sleeves for irrigation pipes and wires in accordance with the Plans and Standard Plans, Index 591-001.

### **591-2 Materials.**

Meet the following requirements:

Schedule 40 Polyvinyl Chloride (PVC) pipe .....Section 630

### **591-3 Installation Requirements.**

**591-3.1 General:** Construct sleeves along a straight alignment at the location and depth shown in the Plans. Deviations in location or alignment may be made with prior approval of the Engineer. Provide a minimum of 24 inches between irrigation sleeves and other utilities.

**591-3.2 Backfill:** Backfill in accordance with Section 120.

**591-3.3 Coated Conductive Tape:** Install coated conductive tape directly above the sleeves with the repeated warning of "CAUTION WATER LINE BURIED BELOW," unless otherwise shown in the Plans.

**591.3.4 Pull String:** Install a continuous No. 12 American Wire Gauge pull wire or polypropylene cord within the full length of all sleeves. Ensure that a minimum of 36 inches of pull string is accessible at each sleeve termination.

**591.3.5 Sleeve Terminations:** Terminate the sleeves as shown in Standard Plans, Index 591. Fit sleeve caps at all terminations with a removable PVC threaded or slip cap.

Install a survey marker cap fastened to a 18 inch by 24 inch long permanent marker made of No. 5 rebar, a steel survey stake, or 4 inch square concrete monument above the terminating end of all sleeve pairs. Ensure that the top of cap is flush to grade with message "IRRIGATION SLEEVE" permanently imprinted on the top of monument, and will not peel, fade, or deteriorate.

### **591-4 Method of Measurement.**

The quantity to be paid will be the plan quantity of landscape irrigation sleeve in place and accepted. No separate payment will be made for contractor's choice of installation method.

### **591-5 Basis of Payment.**

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

Payment will be made under:

Item No. 591-1-      Landscape Irrigation Sleeve - per foot.