

ORIGINATION FORM

Date: 10-5-11

Originator: Jeff Caster

Contact Information: 414-5267

Specification Title: Irrigation Sleeve

Specification Section, Article, or Subarticle Number: 591

Why does the existing language need to be changed? This is a new specification.

Summary of the changes: New specification – includes standard for irrigation sleeve under pavement.

Are these changes applicable to all Department jobs? If not, what are the restrictions?

New specification will be applicable to all jobs where sleeves are required.

Will these changes result in an increase or decrease in project costs? If yes, what is the estimated change in costs? Sleeves are normally a part of the cost in a project. This DS could increase the installation – but the increase would be de minimis.

With who have you discussed these changes? The specification has been reviewed with all districts, central office staff and outside reviewing groups.

What other offices will be impacted by these changes? Roadway Design and Construction.

Are changes needed to the PPM, Design Standards, SDG, CPAM or other manual? Yes –
PPM and Design Standards.

Is a Design Bulletin, Construction Memo, or Estimates Bulletin needed? Yes.

Contact the State Specifications Office for assistance in completing this form.
Rudy Powell 850-414-42820 rudy.powell@dot.state.fl.us
Frances Thomas 850-414-4101 frances.thomas@dot.state.fl.us
Debbie Toole 850-414-4114 deborah.toole@dot.state.fl.us
Andy Harper 850-414-4127 clifton.harper@dot.state.fl.us



Florida Department of Transportation

RICK SCOTT
GOVERNOR

605 Suwannee Street
Tallahassee, FL 32399-0450

ANANTH PRASAD, P.E.
SECRETARY

M E M O R A N D U M

DATE: December 6, 2011
TO: Specification Review Distribution List
FROM: Rudy Powell, Jr., P.E., State Specifications Engineer
SUBJECT: Proposed Specification: 5910000 Landscape Irrigation Sleeve

In accordance with Specification Development Procedures, we are sending you a copy of a proposed new specification.

The new specification is proposed by Jeff Caster to provide requirements for installing irrigation sleeves in during construction.

Please share this proposal with others within your responsibility. Review comments are due within four weeks and should be sent to Mail Station 75 or to my attention via e-mail at SP965RP or rudy.powell@dot.state.fl.us. Comments received after **January 3, 2011**, may not be considered. Your input is encouraged.

RP/ft
Attachment

LANDSCAPE IRRIGATION SLEEVES.

(REV ~~8-18-11~~11-22-11)

PAGE 726. The following new Section is added after Section 580.

**SECTION 591
LANDSCAPE IRRIGATION SLEEVES**

591-1 Description.

Install sleeves as shown in the Plans to accommodate water supply and power to an irrigation system that will either be installed during the current improvements for a new roadway project, or for system installation in the future.

591-2 Materials.

Meet the following requirements:

Directional Bore.....Section 555
Conduit.....Section 630

591-3 Construction.

Install minimum 4 inch diameter irrigation sleeves for irrigation pipe and minimum 2 inch diameter irrigation sleeves for electrical control wire in accordance with 630-3 and Design Standards, Index No. 591. Provide a minimum of 24 inches between the irrigation sleeves and other utilities or as shown on the plans.

Install concrete marker directly above the terminating end of sleeve. Marker shall be a minimum of 4 inch x 4 inch by 24 inches deep, with a permanently affixed reflective marker and detectable survey pin.

Fit the terminating ends of all PVC conduit sleeves with a corresponding sized PVC Schedule 40 socket cap. Seal cap using pipe joint cement meeting the requirements of ASTM D 2564.

591-4 Method of Measurement.

The quantity to be paid for will be the plan quantity, per foot of irrigation sleeve installed and accepted. Furnishing and installing the detectable tape and concrete markers is included in the cost of the sleeve installation.

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.