

ORIGINATION FORM

THE INFORMATION BELOW IS TO BE PROVIDED BY THE ORIGINATOR (The person who receives or originates the issue and needs to forward the issue for action.)

Specification: Specification 443

Subject: French Drains

Origination date: July 8, 2009

Originator: Linda Seigle

Office/Phone: Roadway Design / 414-4322

Problem statement: The definition of “Select fill” in section 443-2.3 is unclear and is causing conflict between contractors and the Department’s representative. Section 4.5 has duplicated information.

Proposed solution: Include the Specifications Sections for the desired select fill materials in Section 443-2.3. Delete the duplicated language in Section 4.5.

Information source: Miguel Parlade, D-4/6 Materials Office; John Shoucair, State Materials Office; Rick Renna, State Drainage Office

Recommended Usage Note:

Estimated fiscal impact, if implemented:

Implementation of these changes, if and when approved, will begin with the July 2010 letting.



Florida Department of Transportation

CHARLIE CRIST
GOVERNOR

605 Suwannee Street
Tallahassee, FL 32399-0450

STEPHANIE KOPELOUSOS
SECRETARY

MEMORANDUM

DATE: August 5, 2009
TO: Specification Review Distribution List
FROM: Rudy Powell, Jr., P.E., State Specifications Engineer
SUBJECT: Proposed Specification: 4430203 French Drains

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

This change was proposed by Linda Seigle to include the specification sections for select fill materials.

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 ST986RP or rudy.powell@dot.state.fl.us. Comments received after **September 2, 2009** may not be considered. Your input is encouraged.

RP/dt
Attachment

FRENCH DRAINS.

(REV 7-2117-09)

SUBARTICLE 443-2.3 (Page 464) is deleted and the following substituted:

443-2.3 Select Fill: Use select fill, unless otherwise called for, consisting of well-graded limerock or limerock and sand fill. *Meet the requirements of either Section 911, 913, 913A or 915.* Sand, or fill having a high proportion of sand, will not be accepted as select fill. Prior to placing select fill, obtain the Engineer's approval.

ARTICLE 443-5 (Page 464) is deleted and the following substituted:

443-5 Placing Coarse Aggregate and Backfilling.

~~After the pipe placement has been approved, carefully place the coarse aggregate or ballast rock, without disturbing the pipe, around and over the pipe to a depth shown on the plans. Then fold the filter fabric over the coarse aggregate or ballast rock as shown on the plans, and fill the portion of the trench above the coarse aggregate with select fill material placed in layers not to exceed 6 inch compacted thickness. After placing the pipe, carefully place the coarse aggregate, without disturbing the pipe, around the pipe to a depth shown in the plans. Fold the filter fabric over the coarse aggregate. Backfill and compact as described below.~~

443-5.1 French Drains Under Pavement: Fill the area above the coarse aggregate with select fill material meeting the requirements of this Section. Place and compact the select fill according to the requirements for pipe as specified in Section 125. The Department will allow use of additional coarse aggregate over the top of the pipe instead of select fill material. In this case, the top of the coarse aggregate shall not be higher than the bottom of the base, unless shown in the plans. The Department will not pay additional costs associated with substituting coarse aggregate for select fill.

443-5.2 French Drains not Under Pavement: Fill and compact the area above the coarse aggregate according to the requirements for pipe in Section 125, unless specific procedures are described in the plans as specified in Section 125.