

ORIGINATION FORM

Date:

Originator: Ben W. Watson

Contact Information: ben.watson@dot.myflorida.com – 352-955-2935

5007 N.E. 39th avenue

Gainesville, FL 32643

Specification Title: Excavation for Structures and Pipe

Specification Section, Article, or Subarticle Number: Section 125

Why does the existing language need to be changed? There is confusion about the requirement on testing to ensure the different density requirements are met on plastic pipe as well as concrete structure even when both are compacted in one operation.

Summary of the changes: Section 125-8.1.1 is edited to state backfill around plastic pipe and structure are separate LOTs even if compacted in one operation.

Section 125-9.2 is edited to be consistent with other Department documents that state slopes as vertical change before the horizontal change.

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

Will these changes result in an increase or decrease in project costs? If yes, what is the estimated change in costs? Should not increase costs

With who have you discussed these changes? Juan Castellanos – State Geotechnical Construction Engineer.

What other offices will be impacted by these changes? Construction

Are changes needed to the PPM, Design Standards, SDG, CPAM or other manual? No

Is a Design Bulletin, Construction Memo, or Estimates Bulletin needed? No

Contact the State Specifications Office for assistance in completing this form.
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

MEMORANDUM

DATE: June 14, 2012

TO: Specification Review Distribution List

FROM: Trey Tillander, State Specifications Engineer

SUBJECT: Proposed Specification: **1250801 Excavation for Structures and Pipe.**

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

This change was proposed by Ben Watson of the State Materials Office to clear the confusion about the requirement on testing to ensure the different density requirements are met on plastic pipe as well as concrete structure even when both are compacted in one operation.

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 SP965TT or trey.tillander@dot.state.fl.us. Comments received after **July 12, 2012**, may not be considered. Your input is encouraged.

TT/cah
Attachment

EXCAVATION FOR STRUCTURES AND PIPE.

(REV 6-146-12)

SUBARTICLE 125-8.1.1 (Page 184) is deleted and the following substituted:

125-8.1.1 General: Backfill in the dry whenever normal dewatering equipment and methods can accomplish the needed dewatering. A LOT is defined as one lift of backfill material placement, not to exceed 500 feet in length or a single run of pipe connecting two successive structures, whichever is less. *Backfill for structures and plastic or metal pipe compacted in one operation will be considered as separate LOTS within the cover zone.* Backfill around structures compacted separately from the pipe will be considered as separate LOTS. Backfill on each side of the pipe for the first lift will be considered a separate LOT. Backfill on opposite sides of the pipe for the remaining lifts will be considered separate LOTS, unless the same compactive effort is applied. Same compactive effort is defined as the same type of equipment (make and model) making the same number of passes on both sides of the pipe. For multiple phase backfill, a LOT shall not extend beyond the limits of the phase.

When placing backfill within trench box each lift of backfill is considered a LOT. Placement of backfill within trench box limits will be considered a complete operation before trench box is moved for next backfill operation. When the trench box is moved for next backfill operation this will start new LOTS for each lift. Follow the density testing frequency in 125-9.3.1.