

1250801 EXCAVATION FOR STRUCTURES AND PIPE  
COMMENTS FROM INTERNAL/INDUSTRY REVIEW

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Comments: (5-24-17, Internal)

125-8.3: Am I reading this correctly that by removing the “Greater than 15 inches”, we now need “little pipe”, such as irrigation and little drainage/outlet pipes, to meet these requirements? Was this the intent?

Response: The intent was to require density testing for cross drains regardless of the pipe size within the 2 to 1 control line based on feedback from the districts, but after further review we would not want this for irrigation and little drainage pipes. Agree with the comment, and will change it to 12 inches so it only apply to situations when there are more than two standard lifts of pipe backfill.

The title for 125-8.3 is deleted and the following substituted:¶  
→ **125-8.3 Additional Requirements for Pipe 12 Inches Inside Diameter or Greater:¶**

Change made.

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D5 Construction Operations  
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Comments: (6-13-17)

Excavation for Structures and Pipes 125-9.1.1 Reduced Testing: Last paragraph it state “Do not apply reduced testing frequency for the first lift of pipe and last LOT. Question: 1. Why you cannot do the last LOT in a Reduced Testing capacity, what is the difference in the first, second, etc.?

Response: Agree with the comment regarding the use of term “LOT”, and will change to read “Do not apply reduced testing frequency for the first and last lift of the pipe”. The reason for this is to clarify the testing requirements for the first lift of pipe (125-8.3.3.3) - both sides of the pipe is to be compacted and density tested regardless of its same or separate operation; therefore, they would be two separate LOTs but the first lift of pipe. The reason for the last lift of pipe to be tested (and not covered by reduced testing frequency) is to ensure that this last lift has density since it is the support layer before constructing the embankment/subgrade layer, which would be most critical when there is pipe construction with low cover heights.

→ → Identify the substantiating tests in the Density Log Book and notify the Engineer in writing prior to starting reduced frequency of testing. Generate random numbers for selecting test locations for the LOTs under consideration. When QC test frequency is reduced to one every two LOTs, obtain the Engineer’s approval in writing to place more than one LOT over an untested LOT. Do not apply reduced testing frequency for the first and last lift of pipe and last LOT. Assume similar compaction efforts for the untested sections. If the Verification test fails, and QC test data is not upheld by Resolution testing the QC testing will revert to the original frequency.¶

Change made.

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