

4550503 Structures Foundations
COMMENTS FROM INTERNAL/INDUSTRY REVIEW

Charles E. Boyd, P.E.
(850) 414-4275

Comments: (11-15-11) Recommend the second paragraph, first sentence of 455-15.9.3 be revised as shown in attached file. The sentence as is runs on and is confusing.

During placement operations, ensure that the discharge end of the tremie or pump line is within 6 inches of the bottom of the shaft excavation until at least 10 feet of concrete has been placed. Thenceforth, ~~and is continuously e~~ Ensure that the discharge end of the tremie or pump line is continuously embedded at least 10 feet into the concrete at all times during placement operations after 10 feet of concrete has been placed until the shaft casing is overpoured sufficiently to eliminate all contaminated concrete.

Response:

Jeff O'Leary
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Comments: (11-28-11) The changes for the first sentence of the second paragraph of 455-15.9.3 "During placement operations ...", now creates the following sentence: "During placement operations, ensure that the discharge end of the tremie or pump line is within 6 inches of the bottom of the shaft excavation until at least 10 feet of concrete has been placed and is continuously embedded at least 10 feet into the concrete after 10 feet of concrete has been placed until the casing is overpoured sufficiently to eliminate all contaminated concrete." This sentence is somewhat discontinuous &/or redundant. Either break the sentence into two or get rid of "after 10 feet of concrete has been placed". The 10' embedment was already established previously.

Response:

Pat McCann

Comments: (12-20-11) 455-8.3 "Locate all splices in the authorized pile length in portions of the pile expected to be at least 15 feet below the final ground surface after driving."
If the intent is for this to apply to all splices whether pre-planned or not, suggest we place this sentence after the first sentence in this section.

Response:

Wayne "Bert" Woerner II
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Comments: (12-20-11) **455-15.7 Casing;**

In omitting the line, "or concrete when indicated in the plans", are we going exclusively to metal casing. If so, "use metal casings only" can be suggested.

455-15.8.1 Mineral Slurry;

In the table on Viscosity, the range of **30** to 50 seems to be a complete change from lower end to upper end. There is no indication that the lower end of **28** as noted in the 2010 Specification is changing to **30**. Which will remain/change **28** or **30**?

455-15.8.3 Fluid in Excavation At Time Of Concrete Placement;

Just for clarification, are we going to delete the current section, “Exception for drilled Shafts for Miscellaneous Structures”, as noted in the 2010 Specification which is noted under this section number, in place for “Fluid in Excavation at Time of Concrete Placement”? The same section number **455-15.8.3** is used for both headings. There are no proposed change indicated for the current section 455-15.8.3.

Response:



Mike Bergin

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Comments: (11-28-11) I'm Ok with the revisions. I am concerned that the contractor will need to be aware that there is less tolerance for cages being placed that are not concentric to the inside of the shaft. The 4 1/2 inch clear cover means that the contractor will have to ensure the placement of the cage is correct. the 6" of cover gave the contractor some latitude, but any deviation may be an issue of durability. Will there be some notification to alert the contractor that this spec applies to his contract? The CEI will also need to be aware of this change and provide oversight and ensure the tolerances are maintained.

Response:

