

SP4550000 STRUCTURES FOUNDATIONS (DESIGN BUILD)
COMMENTS FROM INTERNAL/INDUSTRY REVIEW

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Comments: (5-24-21, Internal)

455-5.1 “Predrill holes for production piles in the same manner and to the same depth test piles were predrilled, unless required otherwise by the GFDEOR, or Engineer or the Plans.”

Comment: why does this need to be added. Predrill depths should be part of the driving criteria if it is important to the successful installation of the pile. What if the soil profile differs along the project so that longer predrilled holes are necessary compared to the test piles? What if the contractor choses to use a shorter predrilled depth compared to test piles and the requirements of penetrating hard material is met?

455-16.3 “Ensure concentric spacing for the entire length of the cage. As a minimum, use centering devices consisting of wheels or other approved noncorrosive spacing devices within 3 feet of the bottom, within 6 feet of the top, and intervals not exceeding 10 feet along the cage length. When a casing with an inside diameter (I.D.) larger than the required shaft diameter is used, provide, within the portion of the oversized casing, centering devices specially dimensioned, or a removable template at the top of the casing or other means to ensure the casing and the cage are concentric. Do not use block or wire type spacers. Ensure no permanent metallic elements will be within the concrete cover space. Use a minimum of one spacer per 30 inches of circumference of cage with a minimum of four at each level. Provide spacers at the bottom of the...”

Comment: if the removeable template is located at the top of the casing, what assures everything is centered for the length of the casing? The word “or” eliminates the requirements for centering devices listed separately.

Response:

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Comments: (5-25-21, Internal)

In the setting of permanent and test piling, the Contractor may initially predrill holes to a depth up to 10 feet or 20% 25% of the pile length whichever is greater, unless otherwise shown in the Plans. Predrill holes for production piles in the same manner and to the same depth test piles were predrilled, unless required otherwise by the Engineer or the Plans.

Response:

No Name

Comments: (6-15-21, Industry)

Section 455-5.19: Replace "The certification shall not be contingent on any future repair or testing, or any approval by the Engineer" with "The certification shall not be contingent on any of the following future actions: repair, testing or approval by the Engineer." Section 455-51: Replace "The certification shall not be contingent on any future repair or testing, or any approval by the Engineer" with "The certification shall not be contingent on any of the following future actions: repair, testing or approval by the Engineer."

Response:
