Comments: (5-1-19, Internal)
1. Suggest the following change:

**455-8.9 Filling Pipe Piles:** Ensure closed-end pipe piles are watertight. The Engineer may reject closed-end pipe piles that exhibits water leakage or require pile extraction to repair integrity defects.


2. The design of the closed end pipe pile is up to the department. If I drive the pile and the bottom breaks out or is leaking that should be on the department and not the contractor. The contractor should not be responsible for watertight.

Response: Disagree. The integrity of steel pipe piles is contingent on the quality of the welds at both the plate at the bottom and at the splice locations. The quality and workmanship of the welding is a contractor’s responsibility. We have observed pipe piles that failed because of poor quality welds at the bottom and/or splice locations. Properly welded pipe piles should be able to withstand the stresses when they don’t exceed the maximum allowed stresses per 455-5.12.2.

No change made.

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Comments: (5-6-19, Internal)
1. 

SUBARTICLE 455-8.9 is deleted and the following substituted:

→ **455-8.9 Filling Pipe Piles:** Ensure closed-end pipe piles are watertight. The Engineer may reject closed-end pipe piles that exhibits water leakage or require pile extraction to repair integrity defects. When required by the Plans, fill pipe piles with the specified materials. Use the materials specified in the Plans. See 24.6.4 of Section 24.6.4 of Swimming Pool Design.


2. 455-15.1.2
5. Details of slurry, including proposed methods to mix, circulate, de-sand, test methods, and proposed CTQP certified technician that will perform and document the fluid tests.

6. Details of proposed methods to clean the shaft excavation.

Response: Existing text/language is correct as written.
No change made.

3. 455-17.16.1.3

Response: Change will be made.
Change made.

4. 

**455-41·Grout·Mix·Proportions.**

Response: Language changed to “The grout mix may include a fluidifier used in accordance with the manufacturer’s technical representative.”
Comments: (5-22-19)
I suggest the following revision to the latest language proposed for: 455-5.11.4 Set-checks and Pile Redrive: 3. Uninstrumented Set-Checks and Uninstrumented Pile Redrive: The Engineer may use uninstrumented set-checks or uninstrumented pile redrives to determine whether a pile has sufficient bearing. Eliminating the clause "at his discretion" enhances clarity and eliminates the use of the male pronoun "his."