

# Inspector Quantlist Report 20250416

Diary Number: \_\_\_\_\_

Inspector Name: \_\_\_\_\_

TRACS Number: \_\_\_\_\_

Date: \_\_\_\_\_

## Division VI: Structures

### Title: Drilled Shaft Placement (Wet Excavation)

Structure Number:	Structure Name:
Station:	Shaft Number:
Abutment 1 or 2:	Pier Number:

Attribute Numbers	Yes, No N/A	Narratives	References
0.		All stakeholders have participated in the pre-activity meeting?	2024 Construction Manual pg. 609-106
1.		Has a mix design been submitted and approved by the Engineer?	2021 Standard Specifications 609-1.03 pg. 664
2.		Has a Certificate of compliance conforming to the requirements of Standard Specification Sub-Section 106.05 been submitted for liquid-membrane forming (curing) compound?	2021 Standard Specification 1006-6.01 (C) pg. 1181
3.		Has an installation plan been submitted and approved by the engineer?	2021 Standard Specifications 609-1.03 pg. 664
4.		Has the contractor included the Quality control procedures of the slurry implementation submitted installation plan?	2021 Standard Specifications 609-3.04 pg. 669
5.		Has the contractor submitted a safety plan and is it being followed? (the plan satisfies occupational safety guidelines in all construction activities involved in the project)	2021 Standard Specifications 107.08 pg. 100
6.		Has the contractor furnished a Certificate of Compliance conforming to the requirements of Subsection 106.05 and Special Provisions 106.15 which state that steel or iron products incorporated in the project meet the "Buy America"?	Special Provisions 106.15 2021 Standard Specifications 106.05 pg. 89
7.		Have adequate survey offset points been set to allow for verification of the center axis of the hole and rebar cage locations?	2021 Standard Specifications 609-3.03 pg. 667 925-3.01 pg. 1103
8.		Was the confirmation shaft constructed to verify the contractor's means and methods to proceed?	2021 Standard Specifications 609-3.02 pg. 667
9.		If casing is proposed to prevent excessive caving, is the inside diameter of the casing not less than the specified drill shaft size?	2021 Standard Specifications 609-2.03 pg. 666 609-3.03 pg. 668

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10.		When steel casing is used, it conforms to the requirements of AASHTO M270 (ASTM A709), Grade 36, unless otherwise specified?	2021 Standard Specifications 609-2.03 pg. 666
11.		If caving conditions are encountered, has the drilling been postponed until a construction method is employed that will prevent excessive caving and which is acceptable to the Engineer?	2021 Standard Specifications 609-3.03 pg. 667
12.		When drilling slurry is required, tanks of adequate capacity are provided for circulation, storage and treatment?	2021 Standard Specifications 609-3.04 (A) pg. 669
13.		The contractor has suitable apparatus available on-site capable of obtaining slurry samples from any depth within the drilled shaft excavation?	2021 Standard Specifications 609-3.04 (B) pg. 670
14.		All slurry, water and contaminated concrete are contained as provided for in the approved project SWPPP?	Erosion and Pollution Control Manual NS-3 Special Provision 104.09
15.		During construction, the level of the slurry in the shaft excavation is maintained at a level of 5 feet or more above the highest expected piezometric pressure head along the depth of the shaft?	2021 Standard Specifications 609-3.04 (A) pg. 669
16.		The maximum deviation from plumb is not more than 1.5 percent?	2021 Standard Specifications 609-3.03 pg. 667
17.		The maximum variation of the design center axis for both the borehole and rebar cage at the top is not more than 5 percent of the shaft diameter, not to exceed 3 inches from its project plan location?	2021 Standard Specifications 609-3.03 pg. 667
18.		For wet excavations, is the contractor checking for plumbness by Kelly bar position readings at 10 foot intervals or as approved by the engineer?	2021 Standard Specifications 609-3.03 pg. 667
19.		Unsuitable material at plan elevation; was the bottom of any shaft being drilled, lowered with the direction of the engineer?	2021 Standard Specifications 609-3.03 pg. 668
20.		Before the reinforced steel and concrete is to be placed, has the final elevation been established and the engineer approved the completed excavation?	2021 Standard Specifications 609-3.03 pg. 668
21.		If casing is proposed due to caving: is the shell clean and extend to the top of the drilled shaft excavation? Is the outside diameter within six inches of the plan dimension and the inside diameter not less than?	2021 Standard Specifications 609-3.03 pg. 668
22.		Unless separated by a minimum of four shaft diameters measured center to center, adjacent shafts are not drilled until the concrete in the first shaft has been in place for a minimum of 48 hours?	2021 Standard Specifications 609-3.03 pg. 668
23.		Are open excavations covered at the end of each shaft per the approved safety plan?	2021 Standard Specifications 609-3.03 pg. 667
24.		Is the Schedule 80 PVC (2 inch) properly installed and secured to the inside circumference of the reinforcing steel cage?	2021 Standard Specifications 609-3.05 pg. 670
25.		Is the PVC Schedule 80 pipe fitted with a watertight shoe on the bottom and a removable cap on top?	2021 Standard Specifications 609-3.05(B)(1) pg. 672
26.		Did the concrete placement start within 24 hours after completion of the shaft excavation or the same day the excavation is completed?	2021 Standard Specifications 609-3.07 (A) pg. 682

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27.		Tremie downpipes are steel with an inside diameter of at least 10 inches for shafts four feet or greater in diameter?	2021 Standard Specifications 609-3.07 (A) pg. 682
28.		Pump pipes are steel with an inside diameter of at least 5 inches?	2021 Standard Specifications 609-3.07 (A) pg. 682
29.		Has the uninterrupted delivery of concrete occurred so that all drilled shaft foundations were constructed without cold joints?	2021 Standard Specifications 609-3.07 (A) pg. 682
30.		The reinforcing cage and excavation walls were not affected by falling concrete placement?	2021 Standard Specifications 609-3.07 (B) pg. 683
31.		Was the concrete vibrated in the top 10 feet of the shaft?	2021 Standard Specifications 609-3.07 (B) pg. 683
32.		Did curing begin immediately after completion of finishing of the fresh concrete? (all cast-in-place concrete is cured by one, or by a combination of more than one of the curing methods specified herein).	2021 Standard Specifications 1006-6.01(A) pg. 1180
33.		Quantlist Minimum Frequency is being followed, once a week?	Construction Bulletin 07-01