

Att. 20

Questions/Clarifications and Answers:

1. Is there a possibility of having a better view of the Pipe Anchor in drawing MA-06, Section B-03-06? The description and specifications make sense, but I'm not 100% sure what I'm looking at.

R1. See plan of grout anchors on MA-03, two per each tie rod. This is supposed to be a 70mm diameter pipe drilled into the cribwork, as a dowel and filled with grout.

2. The dimensions of the Pipe Curb Support are shown as 100x200mm, however it is labeled as 200x200. For now I am assuming it is 100x200.

R2. Correct, the plate dimensions are 100x200mm

3. In regards to the Sheet Pile Anchor for Tiebacks Type D, will the 27mm dia. bolt cross section be the same as what is shown for the TYP Sheet Piling in MA-07, Section 1-07-07 in regards to washer plates and nuts?

R3. Yes, see detail 6-03-08 on MA-08. It refers to the bolt detail on MA-07, typical (1-07-07).

4. It does not show any spacer plates either in MA-08, I would like some confirmation that there are no Spacer Plates for the Waler on the SSP Anchor just to make sure.

R4. Yes, spacer are to be included. They were omitted for clarity.

5. I would like to confirm that there is a pipe sleeve, 300x300 plate, a washer, and nut in drawing MA-07 Detail 2-06-07 and

nothing else. It almost looks as if there is something sandwiched between the nut and washer.

R5. There are only a plate, nut and washer required.

6. Unit Price Table, Scenarios A, B, and C. Item 22, pipe anchors.

In each of the price tables, the number of pipe anchors is identified as 30 from Station 0+050 +/- to Station 0+090+/- . In fact, there are only 22 pipe anchors in this area.

There are however, 8 additional pipe anchors from Station 0+120 +/- to Station 0 +130+/-.

Are these additional 8 anchors to be measured under Item 22? Please clarify.

R6. Please disregard the stationing, there are 30 total pipe anchors for each Scenario.

7. Drawing MA 03, Section A identifies "drilled casing 75 mm diameter (min.) galv. Sch. 80"

Drawing MA 06, Section B identifies "drilled casing 75 mm diameter epoxy coated Sch. 80"

In the specification, Miscellaneous Steel, Section 35 59 14, Item 3.2.8 "do not paint metal surfaces which will be embedded in concrete.

Please clarify if these drilled casings are the pipe anchors from Item #22 in the Unit Price Table and what type of finish (galvanized, epoxy coated or bare metal) is required?

R7. Yes, these drilled casings are the pipe anchors in Item #22. They should be epoxy coated.

8. Is there a possibility of having a better view of the Pipe Anchor in drawing MA-06, Section B-03-06? The description and specifications make sense, but I'm not 100% sure what I'm looking at.

R8. See plan of grout anchors on MA-03, two per each tie rod. This is supposed to be a 70mm diameter pipe drilled into the cribwork, as a dowel and filled with grout.

9. The dimensions of the Pipe Curb Support are shown as 100x200mm, however it is labeled as 200x200. For now I am assuming it is 100x200.

R9. Correct, the plate dimensions are 100x200mm

10. In regards to the Sheet Pile Anchor for Tiebacks Type D, will the 27mm dia. bolt cross section be the same as what is shown for the TYP Sheet Piling in MA-07, Section 1-07-07 in regards to washer plates and nuts?

R10. Yes, see detail 6-03-08 on MA-08. It refers to the bolt detail on MA-07, typical (1-07-07).

11. It does not show any spacer plates either in MA-08, I would like some confirmation that there are no Spacer Plates for the Waler on the SSP Anchor just to make sure.

R11. Yes, spacer are to be included. They were omitted for clarity.

12. I would like to confirm that there is a pipe sleeve, 300x300 plate, a washer, and nut in drawing MA-07 Detail 2-06-07 and nothing else. It almost looks as if there is something sandwiched between the nut and washer.

R12. There are only a plate, nut and washer required.