

Water/Sewer Working Group Meeting

Meeting Notes

July 19, 2016

Opening:

A meeting of the Specifications and Details Water/Sewer Working Group was called to order by chair Jim Badowich on July 19, 2016, at 1:35 p.m. in the MAG Cottonwood Room.

1. Introductions/Attendance

Tony Ayala (Avondale), Jim Badowich (Avondale), Jami Erickson (Phoenix), Troy McGahey (New Horizon Sales), Craig Sharp (Buckeye), Brian Sitarz (Oldcastle), Gordon Tyus (MAG), Warren White (Chandler).

2. Case 16-01: Misc. Corrections

Jim Badowich asked if anyone had any related blooper cases to discuss. None were announced.

3. Case 16-08: Valve Stem Extension Sleeve

Craig Sharp provided handouts of the latest version that addressed Bob Herz's comments provided at the July 6 committee meeting. Notes on Detail 291-1 were updated to be consistent with Detail 270. The consensus of the group was to show the rebar hoops centered in the concrete and identified with Note 5 on Detail 391-1. Jami Erickson confirmed that they use steel in all their installations. Mr. Sharp and Mr. Badowich said their agencies use them for areas outside the street. The group also discussed the best way to show/note the dimensions of the riser pipe in relation to the compacted soil and cover. Lastly there was discussion on whether to include one or two head screws on the bottom of the extension. Although some agencies use two, it was decided to leave it as just one. Mr. Sharp would make final revisions with plans to vote at the next committee meeting.

4. Meter Boxes/Vaults

Warren White provided updates to Details 310, 315 and 320 for Case 16-14 (Revisions to Water Meter Box and Cover Details) and to Detail 319 for Case 16-15 (traffic-rated boxes and covers). Brian Sitarz, who has been assisting with the details, said they changed all occurrences of "should" to "shall", and added a note addressing the compaction requirement of 95% (from Section 601). Beginning with Detail 319, the group first discussed the traffic rated box and its appropriate uses. Mr Badowich asked if the boxes were stackable, and Mr. Sitarz said they were. He also asked if the detail should include a concrete collar. The group agreed to add a Note #6 for a 6" thick by 6" deep concrete collar (if required by agency).

Next Case 16-14 was discussed. Raffi Soghomonian of Armorcast was available to provide the specifications of the polymer concrete boxes they produce. There was discussion about making the lids and boxes interchangeable, and it was pointed out the dimensions on the Armorcast box were slightly different than the current MAG dimension (which Mr. Badowich said were not changed in the new details). This caused some lids to not be interchangeable between manufacturers. Mr. Soghomonian said the frames of the Armorcast boxes could be updated to match MAG dimensions to address this problem. Armorcast details did have a few general notes the group thought may be useful to add to the MAG details. Mr. White said he would research them. He would also work with Mr. Sitarz to update the details to present at the next committee meeting.

5. Section 611: Water/Sewer Testing

Tony Ayala said he and David Allred (of Avondale) were making progress on draft testing standards. He also described a problem they had with disinfecting a job with pool chlorine that had lost its effectiveness, and thought chlorine requirements should be part of the specs. Mr. Badowich told him to take into account NFS-61 and AWWA specifications as well. Ms. Erickson said Phoenix is more concerned about the contractors passing the tests rather than dictating the means and methods for them to do so. Mr. Badowich thought some balance was needed so contractors had guidance on what to do. Jami Erickson said Phoenix has used spray in chlorine on large diameter pipes and are able to flush right from the plant to get the flow needed.

6. Extra Protection/Reclaimed Water

Mr. Badowich said MAG needs to address this since there are different types of lines (sewer, storm sewer, reclaimed, well water, potable, etc.) that may have different separation needs. He said sleeving should be an option, and described problem they have had with protective lining failing in ductile iron sewer pipes. He said concrete encasement is hard to do. Jim Erickson said Phoenix has used plastic sleeves for pipe running under the light rail. Mr. Badowich hoped to address this issue in a case next year.

7. Other Discussions

Mr. Badowich said he wanted to take a look at revisions to Detail 426, and provided a redlined drawing. He said he had proposals from others in his agency to remove the Type B Drop Sewer Connection because the larger drop can cause corrosion and odors. Ms. Erickson said Phoenix uses a lot of the Type B connections. Mr. Sharp said the Type A detail would take a lot of space for larger drops. Mr. Tyus noted that the brick patterns could be removed.

8. Next Meeting

The next meeting is planned for 1:30 on Tuesday, August 16th at the MAG offices.

9. Adjournment

The meeting was adjourned at 3:25 p.m.