

# Water/Sewer Working Group Meeting

Meeting Notes  
August 23, 2011

## **Opening:**

A meeting of the Specifications and Details Water/Sewer Working Group was called to order by chair Jim Badowich on August 23, 2011 at 1:35 p.m. in the MAG Agave Room.

## **1. Participants**

Jim Badowich (Avondale), Rita Chihanik (Deeter/Neenah), Jami Erickson (Phoenix), Peter Kandaris (SRP), Paul Nebeker (Pipe Right Now), Craig Sharp (W. C. Scoutten for Buckeye), Gordon Tyus (MAG).

## **2. Manhole Spec and Detail Updates**

Mr. Badowich began the discussion with an update on the pre-cast manhole bases. Craig Sharp said they had been to Olson to see their facilities, and had planned on visiting Jensen, but wasn't able to. He also talked to the National Clay Pipe Association about the issue. Mr. Badowich asked if he could contact people in Sacramento to see what details they have, that would work with multiple manufacturers. The details would need to meet NFS certifications and use ASTM standards for materials. Mr. Badowich was concerned about tolerance levels. He plans to work on new manhole detail 422-1 for a cast in place base, and 422-2 for a pre-cast base. There was more discussion about different connection methods, including ways to minimize fracture of clay pipe. Mr. Badowich asked if they would require vacuum testing. Avondale doesn't require it but many cities do. Members also discussed lining and sealing methods. Jami Ericson said they use sealant, and have allowed precoating. Craig Sharp said he hopes Buckeye will have some details ready next year. Members commented that Section 625 also needs to be reviewed and updated.

The group also discussed the addition to Case 11-01 to change references to "plaster" to "mortar" in several details. There was also consensus that the bases should be reinforced for depths around 12' or greater. No. 4 rebar at 6" centers was one option, or have it specially designed. Also Mr. Badowich said the standard details should not apply to very large pipe such as 36" or greater.

## **3. Manhole Frames and Covers (Case 11-13)**

Rita Chihanik brought in revised details of the manhole frames and covers with a proposal to change the thickness of the frames. The frames would become thinner and lighter, which should make them easier to handle and less expensive to manufacture. Mr. Tyus asked if they had made these frames, and know they meet the strength and weight requirements. She said they did. The group discussed what the minimum and maximum weight requirements for the frames and covers should be and decided the frame should have a minimum weight, and the covers a tolerance of plus or minus 2% of the desired weight. Other corrections to the details were noted including a missing dimension, and a note to clarify the texture of the covers using bumps or the city logo. Ms. Chihanik agreed to work with Mr. Badowich to revise the details ASAP so they can be included in the agenda packet that goes out to the committee early next week, since it is scheduled for a vote at the September meeting.

#### **4. Wet Barrel Fire Hydrant Spec and Detail Update**

This is currently Case 11-14 at the committee. It will be a carry forward case with more revisions coming. Mr. Sharp said he developed the initial details by gathering all the city supplements and adding the options so the supplements were not needed. Paul Nebeker said they should meet international fire code standards.

#### **5. Other Water/Sewer Cases**

Case 11-03: Cadmium Plated Bolts – Paul Nebeker agreed to help out on this case. It was suggested that other options in addition to zinc be added such as stainless steel used by Phoenix.

Case 11-20: Low Lead Standards – Gordon Tyus said he received a final update to this case from Warren White, and that it should be ready for a vote at the next committee meeting.

Case 11-21: Special Bedding Mainline Storm Sewer Pipe – This case is being carried forward to 2012.

#### **6. Specs and Details Cases Being Considered for Removal (Case 11-06)**

Peter Kandarlis updated the deletions case based on feedback from previous meetings, Maricopa County and Mesa. The revised version will be submitted for a vote and the next committee meeting.

#### **7. Next Meeting Date**

Members agreed to meet again on Tuesday, September 20<sup>th</sup> at 1:30 at the MAG office. Mr. Tyus said he would try to again reserve the Agave room.