

# Water/Sewer Working Group Meeting

Meeting Notes  
March 20, 2012

## **Opening:**

A meeting of the Specifications and Details Water/Sewer Working Group was called to order by chair Jim Badowich on March 20, 2012, at 1:35 p.m. in the MAG Cholla Room. He gave brief background information on the group and made introductions.

## **1. Participants**

Syd Anderson (Phoenix), Jim Badowich (Avondale), Arturo Chavarria (Hanson Pipe), Bill Davis (ADS), Jami Erickson (Phoenix), Brian Gallimore (AGC), Mike Hook (ALPA), Mark Ivanich (Glendale), Jason Jackson (Oldcastle Precast), Peter Kandarlis (SRP), Kelly Kokesh (ADS), Matt Savage (Ferguson), Javier Setovich (Peoria), Gordon Tyus (MAG), Tom Wilhite (Tempe).

## **2. Cadmium Plated Bolts (Case 11-03)**

Javier Setovich was unable to attend, but he did forward a draft revision of the case. The case was designed to replace cadmium plating with zinc as the default. Further revisions by the group were discussed to separate the other options as a separate paragraph so it would not be confused with whether the options were for flanged connections or mechanical joints, which could use core 10 steel. The options would include grade B, stainless steel and cadmium. Members were asked to review the ASTM and AWWA references. Jim Badowich said he would work on making revisions based on the discussions.

## **3. Wet Barrel Fire Hydrant Spec and Detail Update (Case 11-14)**

Sponsor Scott Zipprich was not present, but Jim Badowich said he was working with Scott to get a final version ready. He asked if anyone had additional comments. Gordon Tyus said he received manufacturer's AutoCAD drawings of the hydrant from Tony Braun; however, they were more detailed on its manufacture than on its installation.

## **4. Manhole Details and Pre-Cast Manhole Bases**

Jim Badowich said he is working with the CAD drafters in Avondale to begin editing the manhole details. He said he would like to use the specifications and details developed by Buckeye as a basis for the pre-cast manhole base option.

## **5. Special Bedding for Mainline Storm Drain Pipe (Case 11-21)**

A presentation by Kelly Kokesh of ADS was provided on the design and installation of flexible pipe. ADS follows ASTM D2321 specifications for installation. The trench design, backfill, and compaction requirements are determined by design based on the depth, soil and project requirements. There was extension discussion on the variability of long-term deflection of HDPE pipe. Mr. Kandarlis asked Ms. Kokesh to provide information on the actual amount of deflection. This would be important for any pipe beneath the roadway. Syd Anderson described Phoenix's use of slurry instead of the ASTM procedures. Advantages included making sure there was not settlement around the haunches, as well as quicker and safer installation. Further discussion about adding specifications to keep pipe from floating was also discussed.

## **6. New Potential Areas for Discussion**

Mr. Badowich asked the members what revisions the group would like to focus on next. He suggested returning to flushing requirements as one area. This was initially introduced a couple years ago in response to Goodyear's lack of water reserves for flushing. Metering and charging developers for the cost of water was discussed.

Jami Erickson mentioned possible items including the reclaimed water specification and requirements to keep fresh water in the mains. Phoenix would like to revise section 611.7 to have water turn over every 10 days.

Another potential revision was proposed to Section 735 part G regarding hairline cracks. Finally there was discussion on different types of inspections after installation including the option of laser inspection.

## **7. Next Meeting Date**

Members agreed to tentatively schedule the next meeting on Tuesday, April 17, 2012 at 1:30 at the MAG office.