

# **Water/Sewer Working Group Meeting**

Meeting Notes  
January 17, 2012

## **Opening:**

A meeting of the Specifications and Details Water/Sewer Working Group was called to order by chair Jim Badowich on January 17, 2012, at 1:35 p.m. in the MAG Agave Room. Mr. Badowich mentioned the new specs book online, and introduced the purpose of the working groups.

## **1. Participants**

Jim Badowich (Avondale), Tony Braun (NUCA), Jami Erickson (Phoenix), Arturo Chavarria (Hanson Pipe), Mike Hook (ALPA), Mark Ivanich (Glendale), Peter Kandarlis (SRP), Paul Nebeker (Pipe Right Now), Matt Savage (Ferguson), Gordon Tyus (MAG), Scott Zipprich (Buckeye)

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

The case passed last year, but the group still needs to update the Pressure Manhole Frame and Cover Details, and introduce them as a new case (details 523-1 (24") and 523-2 (30")).

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

Jim Badowich said Case 11-14 is continued from last year, so the group needs to update and finish the case this year. Scott Zipprich handed out the latest versions of the details for dry and wet barrel hydrants and a sheet of details. Mr. Badowich said they need to be reviewed by agency fire departments. There was discussion on different clearance zones. Mr. Tyus said the group may want to revise Detail 362 as well. Paul Nebeker said some agencies have clearance zones for cactuses to keep hoses from being punctured. He also suggested following the national fire code for such things as the height requirement. There was discussion about the round and square pads, and the break-off valve for wet barrel hydrants. Jami Erickson suggested showing joint restraints and making thrust blocks optional. Most cities to require thrust blocks under valves. Mark Ivanich suggested referencing Detail 122 for location of hydrant markers. Mr. Nebeker discussed making the 90 degree retrofit detail as optional. That led to discussion on the difficulty of bluestaking. Finally, it was suggested to review Section 610.9 as well as revising the details. Tony Braun said he could get more detailed wet and dry barrel drawings from manufacturers.

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

Scott Zipprich said he has visited manufacturers and described the manufacturing process. He explained the difference between wet and dry casting. He said the people at Old Castle/Utility Vault would be willing to manufacture the bases with gaskets built in, and can line the base so it is protected before shipping. He said a floatation ring can be included to reduce issues related to ground water. He was asked about lift connectors, and said they were included on the inside. Mr. Zipprich said he can get detail drawings that show the location of rebar. Advantages of precast bases are they can be done for about half the price, due mainly to time savings. Discussion on preparing to place precast bases included proper compaction prior to placement. Peter Kandarlis said they use ½ sack slurry to even it out, although then you are waiting for cure

time again. Paul Nebeker said if a base settles, it sometimes can be adjusted by jacking it back into place.

#### **5. Manhole Detail Updates**

Jim Badowich commented that the manhole detail (420-1) also needs to be updated and could be revised to include the pre-cast base option.

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

Jim Badowich asked members to comment on this case that was referred to the working group from the main committee. Many agencies including Phoenix and Mesa, require slurry around storm drain now. It was discussed that plastic pipe manufacturers were against the case, however, they were not in attendance to provide comment. Mr. Badowich said they would be invited to the next meeting. Other rigid pipe manufacturers were in attendance, and they supported the case. Mr. Zipprich said there needed to be guidelines for both rigid and flexible pipe, and perhaps separate trench details for each. Clarifying bedding requirements is also needed. Peter Kandaris said SRP uses slurry because it saves time and is safer.

#### **7. Plated Bolts (Case 11-03)**

Paul Nebeker said he would not be at the next committee meeting to discuss this case. Jim Badowich said the case needs to be wrapped up this year, and asked manufacturers for their comments. In general, most of the time zinc plated bolts are used instead of cadmium because they are less expensive and don't have environmental issues. He suggested specifying zinc plated grade A. Grade B bolts are more expensive. Jami Erickson said Phoenix uses stainless steel and would like that as an option. Gordon Tyus said cadmium bolts are also called out in Detail 302-2. Creating a list of options with the correct ASTM references for different types of plated bolts was discussed.

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

Members agreed to tentatively schedule the next meeting on Tuesday, February 21st at 1:30 at the MAG office.