

# **Water/Sewer Working Group Meeting**

Meeting Notes

January 15, 2015

## **Opening:**

A meeting of the Specifications and Details Water/Sewer Working Group was called to order by Jim Badowich on January 15, 2015, at 1:35 p.m. in the MAG Cottonwood Room.

## **1. Introductions/Attendance**

Mike Ambroziam (CPM), Tony Ayala (Avondale), Jim Badowich (Avondale), Arturo Chavarria (Hanson), Jami Erickson (Phoenix), Bob Herz (MCDOT), Connie Peretz (AZUCA), Rod Ramos (Scottsdale), Gordon Tyus (MAG), Arvid Veidmark (SSC Boring), Stew Waller (Rinker)

## **2. Recap of Last Year's Cases and Proposed Cases for This Year**

Jim Badowich quickly reviewed cases that were approved in 2014 and asked members if they have reviewed and received any feedback on the changes. He also asked if there were other areas the group should address this year. Bob Herz said he wants to make changes to the backfill depth specifications. Mr. Badowich also mentioned possible additions to the new testing Section 611. Stew Waller said they are working on a revised laser testing spec. Jamie Erickson said she would like to look at a water pressure test, because currently Phoenix's test is different than MAG's. Another area mentioned for review was the flushing requirements. Tony Ayala said Goodyear has some specs that Avondale has used. Mr. Badowich said there should be a minimum water meter size based on the pipe size to ensure proper flushing. Issues regarding water use were also discussed. Mike Ambroziam said they have run a camera through and use chlorine to disinfect pipe 12" and larger up to 6000'. He also showed a type of flexible liner and discussed how it could be used.

## **3. Revisions to Section 602**

Arvid Veidmark handed out a proposed revision to Section 602 Trenchless Installation of Steel Casing. He said the current ASTM reference no longer exists. He proposed a change to the first paragraph of Section 602.2 Materials to reference an American Welding Society table of steel types. Members suggested determining what steel was typically used for casings and reference those ASTM specs directly.

## **4. Horizontal Drilling Directional Drilling (New Section 608)**

Sponsor Arvid Veidmark handed out version #11 of the proposed case. He also provided an updated detail drawing showing a schematic view of the boring equipment setup. This version removed the large table but now has documentation requirements such as the bore plan, site layout and so on based on the classification of the bore size as small, medium or large.

Jim Badowich asked about wet utilities. Mr. Veidmark said the spec can be used for either wet or dry. The group also discussed training requirements. Connie Peretz said AZUCA would like to provide training in the future. Mr. Veidmark talked about the bore plan. Mr. Badowich said he would like to have the contractor indicate the depth of the bore on the surface. He also

suggested surveying the job site before and after to assure no heaving of pavement or curbs, and also wanted to know what happens if such heaving occurs. The group also discussed minimum clearance tolerance to other utilities. Arvid Veidmark described how the reaming process typically does not follow the exact center line of the bore, and this should be taken into account for all clearances.

#### **5. Other Future Case Items**

Mr. Badowich asked if any other agencies had details for reclaimed water covers. Mr. Ayala said they are typically square. Rod Ramos was asked if Scottsdale had any details. Mr. Tyus said he thought the entire Section 611 Reclaimed Water text should be reviewed. The group discussed water/sewer and reclaimed water separation requirements in general.

Bob Herz said Section 744 ABS truss pipe needs to be updated because the ASTM reference was withdrawn. If this type of pipe is no longer used the entire section could be deleted.

Tony Ayala said he received information from Mueller that the large 24" valve details are out of date. He said he would check back on possible changes.

Mr. Badowich said wet barrel hydrants have been updated and the placement of the valve on the detail may need to change.

#### **6. Next Meeting Date**

The next Water/Sewer working group meeting is scheduled for Thursday, February 19, 2015.

The meeting was adjourned at 3:30 p.m.