

# Water/Sewer Working Group Meeting

Meeting Notes

June 18, 2013

## **Opening:**

A meeting of the Specifications and Details Water/Sewer Working Group was called to order by chair Jim Badowich on June 18, 2013, at 1:35 p.m. in the MAG Chaparral Room.

## **1. Introductions/Attendance**

Tony Ayala (Avondale), Jim Badowich (Avondale), John Bacigalupi (Contech), Lee Brody (Contech), Jared Dusha (Contech), Jami Erickson (Phoenix), Rob Godwin (Goodyear), Mike Hook (ACPA), Mark Kastl (Wolseley), Michael Neill (Infra-tect), Matt Savage (Ferguson), Craig Sharp (Buckeye), Gordon Tyus (MAG), Steve Waller (Rinker), Warren White (Chandler), Steven Wolff (Infra-Tect), Michael Yracheta (Avondale).

## **2. Case 13-21: Precast Manhole Specifications**

Craig Sharp said there were no changes since the case was submitted to the committee. This submission included a new Section 742 for the precast manhole material specification and detail drawings for the precast base and details. Mr. Badowich said the drawings would probably be numbered 420-3 and 420-4. 420-1 would be the precast manhole and 420-2 would be the cast in place base.

## **3. Case 13-22: Manhole Revisions/Update**

Revisions to Detail 420 were still in process. Craig Sharp said the revisions to Section 625 and 775 were combined as Case 13-22, which removed references to brick and manhole steps.

## **4. Case 12-12: SRPE Pipe (Proposed Section 739)**

Jim Badowich said the case was scheduled for a vote, but there were still questions about the maximum size allowed and its heat resistance/thermal properties. Lee Brody of Contech said since John Kanzlemar was not present, he asked to shelf the issue for this month, but added that Mr. Kanzlemar was working to provide the information requested. Mr. Badowich recommended keeping the maximum size at 60" since this was the maximum allowed by AASHTO and ADOT. He said agencies can always specify larger diameters; however, it would require the contractor to design the project appropriately. He also had concerns about the testing of flexible pipe, since revisions to the installation sections have not been completed yet.

## **5. Case 13-05: Polyethylene Pipe (Proposed Section 740)**

The case was approved at the June 6 Specs and Details committee meeting.

## **6. Case 13-15: Revisions to 603, 615 and 618 for flexible pipe**

Warren White handed out information outlining the changes needed to the installation specifications for flexible and rigid pipe. This included adding information for Sections 601, 603, 615, 618, 735, 101 and Detail 202-2. There was discussion about revising the detail to match the terminology used by ASTM. Mr. White went over the eight points on the July 10 memo he provided. Mr. Tyus suggested modifying the titles of Sections 601 and 603 to be consistent. Mr. White said he still had work ahead in moving or adding specs for the initial

backfill to the installation sections and the final backfill requirements in Sections 601 and 603. There was some discussion if the revision regarding hairline cracks in concrete pipe should be included or submitted separately.

Jim Badowich said the adjustment Detail 422 needs to be updated and hoped to have it for a July case.

#### **7. Case 13-20: Section 610 Revisions and Water Testing/Flushing**

Rob Godwin handed out copies of the case that was submitted in June to the committee. It included revising the hydrostatic testing to be consistent with AWWA C600. This included removing the term “leakage.” He said it also removed references to installation of asbestos-cement pipe, and suggests the use of PVC. Mr. Tyus said the PVC material spec probably needed to be updated as well.

Jim Badowich asked about the flushing issue. Mr. Godwin said Goodyear has a good system and they were planning on updating Section 611 in the future. He described how Goodyear uses a jumper with a backfill protector and water meter when flushing. Goodyear has a detail, and Jami Erickson said Phoenix has a supplement. Rob Godwin said MAG also does not have a maximum allowance of chlorine. He also said the new formula in Section 610.5 is the same as the one in the Phoenix supplement, and it meets the AWWA standard.

#### **8. Case 13-16: Trenchless Installation of Steel Casing**

Mr. Badowich handed out the latest version of the revision to Section 602. He noted the change in the title. The main committee discussed the use of mechanical end-caps for use as bulkheads. He also questioned settlement issues and described how they had to measure any settlement for tunneling under train tracks. Craig Sharp questioned about the smoothness when drilling through rock.

#### **9. New Issues**

Jami Erickson handed out information about a potential specification for a valve box stabilizer. She passed around a flier and described how it can keep the valves correctly positioned during installation. She also passed out sample detail drawings for Polymer Water Meter Boxes that the city of Phoenix is using. Many cities have been moving to these to avoid theft of metal covers.

Mike Neill of Infra-tect handed out sample specifications to add language for the use of a flanged insert into Section 610.13 Couplings, Joints, Gaskets and Flanges. Mr. Badowich asked where they were on getting approvals from AWWA and NSF. Mr. Neill said the bevels are already manufactured using approved materials, and they were in process of getting the NSF acceptance. Mr. Badowich said that cities are very cautious before they introduce new materials into the public water system, and suggested they continue to work with individual agencies to do pilot projects. He thought they would need provide the test data and meet certifications before it was likely to be approved for use in the MAG specifications.

Matt Savage said the flange gaskets have not been updated to AWWA requirements, for example MAG allows 1/16” thick gasket for 20” and smaller pipe, but the smallest AWWA approved size is 1/8”, which is the smallest currently being manufactured.

Jim Badowich asked Mr. Savage to contact Rob Godwin regarding case (Section 610 revisions) to update the table for polywrap to match current industry sizes. Jami Erickson asked what people thought about wrapping ductile iron pipe, since there was a split opinion at Phoenix. Mr. Godwin said Goodyear uses it for 16" and larger pipes. Representatives from Buckeye and Avondale said they wrap all sizes.

Gordon Tyus passed out a revision to Detail 270 Frame and Cover proposed by Bob Herz of Maricopa County to remove the chain and make the cover 4" thick. Ms. Erickson said Phoenix has already done this, and has a supplement available.

**10. Next Meeting Date**

The next meeting of the Water/Sewer working group is tentatively scheduled for Tuesday, July 23<sup>rd</sup> at 1:30 p.m. at the MAG office.

The meeting was adjourned at 3:40 p.m.