

Water/Sewer Working Group Meeting

Meeting Notes
February 29, 2013

Opening:

A meeting of the Specifications and Details Water/Sewer Working Group was called to order by chair Jim Badowich on February 19, 2013, at 1:35 p.m. in the MAG Cholla Room.

1. Introductions/Attendance

Tony Ayala (Avondale), Jim Badowich (Avondale), Arturo Chavarria (Hanson), Bill Davis (ADS), Jami Erickson (Phoenix), Mike Hook (ACPA), Jason Jackson (Oldcastle), John Kanzlemar-via audio (Contech), Kelly Kokesh (ADS), Alvin Robertson (Chandler), Craig Sharp (Buckeye), Gordon Tyus (MAG), Warren White (Chandler).

2. Precast Manhole Specifications

Jim Badowich handed out sample precast manhole material specifications that were updated by Buckeye. Since Section 740 is being used by a current case, determining where to put the spec was discussed, including whether it made more sense to put it in the 600 section for manhole installation, or possibly a 500 section for structures. Jason Jackson of Oldcastle described the manufacture of precast units, and some advantages including manufacturing in a controlled environment using a monolithic pour. There was also discussion about being able to complete the installation in one day, saving time the road was closed. The base preparation was also discussed including its subgrade preparation, and potential for settling. Craig sharp agreed to make revisions to the proposed specification.

3. Manhole Revisions/Update

Jim Badowich discussed updates needed to the other manhole details. It was thought that 420-1 would show the manhole risers, 420-2 could be the cast-in-place base option, and 420-3 would be the new pre-cast base detail. Jami Erickson asked about the steps, and Mr. Badowich agreed that they should be removed since crews use ladders and tripods now. Jason Jackson said there are some agencies that include them, because they are still shown on the details. Mr. Badowich also wants to add specifications for standard coating and/or linings. Several types were discussed. It was also determined that the brick manhole could be removed from Detail 422, and the cover adjustment detail moved to a more appropriate section.

4. Pipe Materials and Installation Specifications

Jim Badowich asked John Kanzlemar (on audio) to provide an update on the steel-reinforced polyethylene (SRPE) pipe case. (Proposed Section 739) He said once the revisions to the flexible pipe section 603 were done, he could make the necessary updates to the materials spec. Mike Hook questioned allowing sizes up to 120" diameter since only 36" has been approved for ASHTO and 60" through ADOT. Mr. Kanzlemar said they have used 120" pipe in Chandler and Scottsdale (although not in the public ROW) and that ASTM has specs up to 120".

Warren White of Chandler also has a similar case for polypropylene pipe, (Proposed Section 740) and they have all been working together with Kelly Kokesh of ADS to update the installation specifications. Ms. Kokesh provided several handouts. The first was a table done by

Mr. White that categorized the sections to be revised based on excavation, installation and materials for both rigid and flexible pipe types. Next was a revised Section 603 that incorporated the trenching and installation specs for all flexible pipe types, and included relevant parts of 601 so referring back to this section was no longer necessary. The trench width table was updated to meet ASTM requirements for all flexible pipe types. She also provided a handout of a simplified trench section detail that matched ASTM terminology and would replace the detail on 200-2. Terminology and changes to the section were discussed.

Mr. Badowich asked about expanding the jacking pipe section to include sleeves. Mr. Tyus mentioned that the representative from Valley Metro discussed to revising sleeves at the last full meeting. The working group thought it may be better to make these changes in a separate case.

The group discussed the best way of defining what was included as rigid and flexible pipes. Most members agreed that a definition as well as a listing of the pipe types was needed and possibly adding the definitions to the 100 section of MAG as well. Ductile iron pipe was determined to fall into the rigid category although it does flex.

5. Water Testing/Flushing

Mr. Badowich said Phoenix was looking into testing and flushing issues as was Troy Tobiasson of Goodyear, and said the specs need to be updated. Issues included keeping the pipe clean during installation and methods of leak detection. Comparing them to the AWWA specifications would also be useful. Jami Erickson said Phoenix does combined leak/absorption tests. Warren White suggested agency member bring back their supplements to review at a future meeting.

6. Other Issues

Jim Badowich mentioned a possible case to update the polywrap sizes table. Ms. Erickson asked members for methods of locating tracing wire up manholes. Mr. White suggested a separate box.

7. Next Meeting Date

The next meeting of the Water/Sewer working group is tentatively scheduled for Tuesday, March 19th at 1:30 p.m. at the MAG office.

The meeting was adjourned at 3:05 p.m.