

Water/Sewer Working Group Meeting

Meeting Notes
August 20, 2013

Opening:

A meeting of the Specifications and Details Water/Sewer Working Group was called to order by chair Jim Badowich on August 20, 2013, at 1:39 p.m. in the MAG Cottonwood Room.

1. Introductions/Attendance

Tony Ayala (Avondale), Jim Badowich (Avondale), Bill Davis (ADS), Jared Dusha (Contech), Arturo Chavarria (Hanson), Jami Erickson (Phoenix), Rob Godwin (Goodyear), Bob Herz (MCDOT), Mike Hook (ACPA), Jason Jackson (Oldcastle), Craig Sharp (Buckeye), Raffi Soghomonian (Armorcast), Gordon Tyus (MAG), Arvid Veidmark (Specialized Services), Stew Waller (Rinker), Warren White (Chandler)

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

Warren White provided out several handouts summarizing work on the case. One was a list of revisions to the definitions section to make terminology in the trench cross sections match ASTM standards. This also includes revisions to Detail 200. Warren also discussed a summary paper outlining three options for reorganizing the trenching, installation and backfill of both rigid and flexible pipe. The first was to keep the format similar to that already in MAG where 601/603 handed all the backfill and compaction, but 610, 615, and 618 would continue to provide the installation requirements for the type of line. Option two moves the initial backfill out of 601/603 to the installation sections. The third option was to move most of the installation specifications into 601 and 603 depending on whether it was rigid or flexible pipe.

The group consensus was to use option one, with the possibility of making additional changes in the future. One idea was to move the testing procedures out of the installation specs and into a testing specification such as 611. Jami Erickson said she could work on compiling all the testing into 611 to see what that would look like, since the same tests could be used for different installation types, and similar materials. Rob Godwin volunteered to assist, since he had been working on changes to Section 610 and 611 relating to water testing. The new testing section could include deflection and laser testing. Mike Hook said he was working with Warren White to provide a laser testing presentation at a committee meeting early next year.

Mr. White then went over draft revisions to sections 601, 603 and 618. 601 and 603 included updated trench width tables based on current ASTM standards. Arturo Chavarria thought it was odd that the trench width for larger diameter rigid pipe was much larger than that required for flexible. The group discussed trench width requirements based on pipe systems for both flexible and rigid pipe, as well as backfill materials such as ABC and slurry. Mr. Chavarria said he would check on the widths for type four reinforced concrete pipe. Warren White said that the current draft is based on an assumption of option two, so will need more revisions. He said that it does include changes to the terminology of the trench cross sections (bedding, backfill, etc.). It also added safety requirements for showing trench walls and adding steel plates.

Arvid Veidmark suggested removing the specifications from 618.4 JACKING PIPE and referencing the revised Section 602 instead. He said specifications for Jacking Pipe not covered in the steel casing section could be added next year.

Mr. White said he would work on revisions and prepare a packet for the next committee meeting.

3. Case 13-16: Trenchless Installation of Steel Casing

Arvid Veidmark passed out a revised copy of Section 602 dated 8/8/2013 that addressed concerns from the previous Specs and Details committee meeting. Mr. Herz suggested deleting “for wet and dry utilities” from the first sentence because it wouldn’t matter what is put in the casing. He also thought the second paragraph could be deleted since it is covered in Section 100 specifications. Mr. Veidmark discussed the changes to the Materials subsection 602.2, which identified the correct ASTM reference for the casing material, as well as requirements for welding. Mr. Herz said the welding reference AWS D1.1 has been superseded, and asked for the latest version to be used. This opened the question of welder certification. It was decided to add a sentence stating the welders should have a valid certification. Mr. Veidmark said he would work with Bob Herz to finalize the specification in order for it to be voted on at the next committee meeting.

4. Case 13-21: Precast Manhole Specifications

No changes to the current case.

5. Case 13-22: Manhole Revisions/Update

Craig Sharp handed out new draft details of 420-1 and 420-2 along with revised specifications for Section 625. The group discussed the details. Mr. Badowich suggested just showing the flat top option only rather than the full manhole detail. The notes could be all combined on 420-1. There was discussion of making just one detail sheet. It was suggested to remove the specific sizes of pre-cast riser sections, and add (min.) to the 3” dimension. Mr. Herz began discussion on whether to show the asphalt/and or finished grade on the detail depending on its location. This gave rise to further discussion on the manhole adjustments and how they are paid.

Jami Erickson asked about the adjustment ring detail, and Mr. Badowich said they had agreed that it wasn’t necessary to show. A question was raised if agencies were still using 24” manholes, and several said that they were still used, although a few cities no longer do. Mr. Badowich asked about including treatments for insects. Mr Sharp suggested it could be added to the specifications – a note on the drawing did specify manhole coatings per agency. Mr. Sharp said he would continue updating the details with the idea of adding them to the case in the future.

6. Case 13-20: Section 610 Revisions and Water Testing/Flushing

Mr. Tyus said the case passed at the last committee meeting. Rob Godwin said he and Troy Tobiasson were still working on revisions to Sections 610 and 611 and hoped to have another case to submit next year. This included better organization and further updates. He was also looking at more specific flushing requirements, backflow preventers, etc.

7. Other Issues

Bob Herz said he found an issue with the new Section 740 that was previously approved. He said the AASHTO specifications are for storm drains, not sewer and that should be made clear in the specification that ASTM is used for sewer requirements. Mr. Tyus suggested adding the revision as a blooper case so that it could be voted on this year and included in the next document update.

Rob Godwin asked members about how much trench could be left open, and if they allowed greater lengths on new subdivisions. Currently $\frac{1}{4}$ is the most allowed per MAG. Bob Herz said they allow a 7-day temporary asphalt surface, but then mill it again and finish it with a T-top. Mr. Godwin said he has had developers asked for greater lengths of trench openings, but is concerned about safety and agency liability.

Raffi Soghomonian of Armorcast asked if he should include the number three box as a sample detail drawing for polymer concrete meter boxes and covers. They have not had orders for that size yet, but some working group members thought there were still used by some jurisdictions.

8. Next Meeting Date

The next meeting of the Water/Sewer working group is tentatively scheduled for Tuesday, September 17th at 1:30 p.m. at the MAG office.

The meeting was adjourned at 4:20 p.m.