

Water/Sewer Working Group Meeting

Meeting Notes
February 19, 2015

Opening:

A meeting of the Specifications and Details Water/Sewer Working Group was called to order by Jim Badowich on February 19, 2015, at 1:35 p.m. in the MAG Cholla Room.

1. Introductions/Attendance

Tony Ayala (Avondale), Jim Badowich (Avondale), Arturo Chavarria (Hanson), Julie Christoph (Mesa), Jami Erickson (Phoenix), John Gluck (Winnelson), Bob Herz (MCDOT), Daniel Kiel (Peoria), Danny Koellen (Winnelson), Paul Nebeker (Pipe Right Now), Gordon Tyus (MAG), Arvid Veidmark (SSC Boring), Stew Waller (Rinker).

2. Feedback from Case 13-15 and new Case 15-03

Jim Badowich asked if members had received any feedback to all the changes made last year. Paul Nebeker suspects many have not read them yet. Bob Herz said he sponsored Case 15-03 which modifies Section 601.4.5 to make backfill compaction a maximum of 8" lifts rather than the current 2'. Arvid Veidmark said that lifts are fine for roads, but are not really used when filling trenches since the material is pushed in and typically compacted with a mechanical wheel. Tony Ayala said that the operator experience makes a big difference in the depth of the material put in the trench. Paul Nebeker said the nature of how the wheel works only compacts 3"-4" as it processes the material, and that it operates at an angle that depends on the depth of the trench. Mr. Herz said that maybe different specs were needed for the wheel and asked if the manufacturer had recommended amounts. Mr. Veidmark searched for the specs for one online and reported that it said it could compact 2'-5' lifts – more than currently allowed. Jim Badowich said it would be nice to have a geotech engineer provide input. Mr. Waller said he knew someone who might be able to attend a future meeting. There was further discussion on how the compaction wheel worked and how compaction could be tested. Mr. Herz said he would try to create language that took into account the different compaction methods.

3. Revisions to Section 602 – Case 15-04

Arvid Veidmark provided a new revision to Section 602 Trenchless Installation of Steel Casing. Bob Herz provided a copy with his comments on it. Mr. Veidmark said he added a minimum wall thickness table. Julie Christoph asked how the thickness was determined. Was it based on the depth of the casing? Mr. Veidmark replied that it actually was determined by strength needed in shallow installations such as under railroad tracks, and the ability to withstand wear. Mr. Herz went through some of his comments including spelling out API. A new sentence requiring a survey before and after the installation was added. Jim Badowich discussed the usefulness of a survey to check if there was any heaving or settlement. Mr. Veidmark said for this process typically you don't get heaving, but you can get settlement. This is often corrected by using grout. Daniel Kiel said he would like the type of grout used to be in the spec. There was also discussion about what happens when there are changing soil conditions. Mr. Badowich wants any change to be brought to the attention of the agency right away. Julie Christoph stressed the importance of stopping any boring when this occurs. Mr. Veidmark said he would work on updating the Section 602 and provide it to Mr. Tyus for the next committee meeting.

4. Horizontal Drilling Directional Drilling (New Section 608)

Sponsor Arvid Veidmark provided a new version #13 of the proposed case. He noted the updated sections shown in red. It was suggested to move the language about profiling the ground along the bore path back to 608.6.4, since that is when it would be done. Jim Badowich brought up the issue of telecommunications utilities such as Century Link and Cox putting in a lot of cable using HDD, He wants to make sure they are aware of the proposed specifications. There was also some discussion on when it would be required to paint and mark the depth of the pilot bore on the ground every 10'. This led to further discussion on what qualified as a small medium and large project. Mr. Badowich also asked how to deal with pulling multiple bundles of cable. Julie Christoph described a large fiber project in Mesa. She also voiced her concerns on locating all sewer lines and laterals, so that no boring goes through them. Mr. Veidmark said Slade Otney is working on the cross bore issue at the state level. She said Mesa has a supplement. When discussing the minimum separation from existing utilities, Mr. Tyus asked how could a pilot hole only needed 1' minimum, if a reaming that goes in later requires 2'. Mr. Veidmark said the 1' clearance was for a pilot hole that didn't need any reaming, but could pull smaller pipe through. He said he would try to clarify the language. He also said he sends out the revisions to industry and AZUCA, and says they are on board. Mr. Badowich wanted it to specifically go to the telecommunications utilities for review once the case was ready.

5. Section 611 Testing

Mr. Badowich said he wants to deal with the flushing spec, which he thinks needs to be expanded and improved. Jamie Erickson said Phoenix has a small supplement. Mr. Badowich talked about needing different sized orifices, specs on the distances, metering, etc. Tony Ayala said Avondale typically take samples but send them to the Phoenix lab for testing. He said he also was concerned about what to do with the highly chlorinated discharge water – how it should be treated and where it should go.

6. Case 14-12

Bob Herz said he made updates to his case that impact Detail 200-1. He would like to see a new trench backfill detail that allows for milling operations to offset the roadway cuts. This was discussed as some length during the regular committee meeting. He provided an example of a Scottsdale detail. Ms. Christoph said Mesa also has a detail and supplement. Jim Badowich proposed that we should have a modified T-Top detail. Paul Nebeker said Peter Kandaris said he was going to look into it.

7. Other Items

Daniel Kiel mentioned earlier discussion about reclaimed water (Section 616) and details for reclaimed water valve boxes and covers. Mr. Badowich said he believed Chandler had a detail for the square boxes. He would ask Warren White about it.

8. Next Meeting Date/Adjournment

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

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