

Water/Sewer Working Group Meeting

Meeting Notes
August 18, 2020

Opening:

A virtual meeting of the Specifications and Details Water/Sewer Working Group was called to order by chair Jim Badowich on August 18, 2020, at 1:36 p.m. via the Zoom platform.

1. Introductions/Attendance

Dale Allred (Mesa), Hayden Anderson (Olsen), Jim Badowich (Avondale), Matthew Bryan (Phoenix), Roy Estrella (Phoenix), Crystal Flitton (GSM), Karl Rockwell (MCDOT), Craig Sharp (Buckeye), Gordon Tyus (MAG).

2. ADEQ Update on AAC Title 18, Chapter 5, Article 5, Bulletin 10

Chair Badowich said ADEQ is open to comments on this item, and stated members have had questions about extra protection requirements. He asked if any members have submitted comments. Matthew Bryan of Phoenix said he would talk to Jami Erickson about it. Mr. Badowich thought Phoenix had issues working with the health department on this issue, and said this is our chance to do something about it. Mr. Sharp said he thought ADEQ were still open to comments, but that nothing has recently changed. (Note: Mr. Hunt of ADEQ can still receive comments at hunt.john@azdeq.gov.)

3. Carry-Forward Cases

Mr. Badowich said Case 19-04, Revisions to Section 360 Telecommunications Installation, was voted on and passed at the last committee meeting.

4. Case 20-01: Misc. Corrections

Jim Badowich brought up the issue in Section 611.4 C of changing the reference to HDPE or PVC pipe to “thermoplastic.” Craig Sharp said it was brought up by a concrete pipe manufacturer, and that instead of referencing many different plastic pipe types to use the term “thermoplastic.” Mr. Sharp asked if we could add it, or if it was on there as a case already. Mr. Tyus said that it currently was not, and if we wanted to add it for this year, it would need to be in the agenda packet before the next meeting, and would only give members about a week to review it. Mr. Sharp said it was pretty late in the season, but he did like the idea, since there are many different types of pipe. Mr. Badowich agreed that it needed more discussion, but could be a case for next year.

5. Case 20-02: Delete Detail 346 Fire Line Detector Check Vault

Jim Badowich said Chandler wanted to delete the detail, but at the last meeting a couple cities wanted to keep it in for now. Mr. Tyus said Warren White (of Chandler) decided to pull it for this year, and Peter Kandaris of the Outside ROW group agreed to take it over next year.

6. Utility Pothole Repair (Detail 212, possible Spec revisions in 321)

Jim Badowich said this case had two parts, the Specs for the materials (that were addressed already) and to update the pothole repair detail. He said Arvid Veidmark was working on it, and Gordon Tyus pulled up the latest version on screen for discussion. The update removed the radius on the plan view of Type A repair. Mr. Badowich said many agencies, including Avondale, are pushing to use the Type B, but he does not want to remove the Type A option, especially if the repair is temporary. Mr. Sharp said Buckeye is also trying to move exclusively to Type B.

Mr. Tyus said note 5 for the Type A was added. Mr. Badowich suggested changing “over runs” to “overcut” and Mr. Tyus changed “MAG” to “Section” to be consistent. Note 5 now reads: “REPAIR ALL CRACKS OR SAWCUT OVERCUT PER SECTION 337.” Mr. Tyus confirmed that Section 337 was “Asphalt Pavement Crack Sealing and Crack Filling.”

Mr. Badowich asked if Phoenix had any issues. Mr. Bryan said he has not heard of any, but that he would find out and get back to the group. Mr. Badowich said he also wants to reach out to SUE labs that do this, such as AZTEC, to get their input.

Other issues discussed included changing the dimensions of the Type B repair from 18”-24” to 10”-18”. Members thought 24” holes were very large. Craig Sharp said he thought this range matched the typical hole saws used. Finally, it was discussed and decided to keep most of the note at the top of the detail, just add the reference to repair it per Section 321.14.4 Paragraph 2. Gordon Tyus said he would try to make the updates to the CAD detail for a potential case for next year.

7. Sampling and Testing Frequencies for Trench Backfill

Mr. Badowich said Rob Godwin could not make the meeting, but he did not have anything to add to it. Mr. Badowich said we need to circulate these tables to all the agencies, and get feedback. He noted agencies are all over the place on testing, and he said he received feedback from industry that they want more consistency. Mr. Badowich said when setting the minimum frequencies it was fine to error on the conservative side, but was open to discussion.

Craig Sharp brought up an issue in Buckeye where a compaction test came back at 94.5% when it should be 95%. He asked members if they have ever dealt with a similar situation. Jim Badowich said in cases like this, they leave it up to the inspector. Mr. Sharp said that is how he looked at it too – the proctor could be a little different, the material or moisture may have changed slightly. Jim Badowich asked if he was suggesting putting a tolerance range in the table. Mr. Sharp, said he did not want to. Mr. Badowich said he was fine with more conservative requirements, because it can be easier to relax them, then to enforce stricter ones later. He wants to create a baseline so that industry has something to go by when bidding projects, but he also said he wants to have the ability to increase testing if you are having issues. He hopes to circulate the draft, get more labs involved, and produce a case for next year.

8. Manhole Frame and Covers

Mr. Badowich asked if this issue was addressed in the bloopers case. Gordon Tyus said that in Section 787, it was changed from Class 30 to Class 35 to match the details. Jim Badowich said the issue could keep coming back since manufacturers want to make the frame and covers lighter. Craig Sharp said one manufacturer wanted to change the shape to make them easier to stack and ship, but that he did not like that idea. Mr. Badowich said he considered work on this item complete.

9. Update Section 611 for the Addition of Potable Water Hauling Requirements.

Mr. Badowich said David Allred prepared a draft specification. Gordon Tyus pulled up the latest version, stating he did not receive any updates since the last meeting. Dale Allred said he has not had time to work on it either, but said he will have an update for the next meeting. Jim Badowich said it is good spec, and can cover small jobs. Dale Allred said they used a portable truck on a recent project with a 55’ section of line that couldn’t be tied into the system. Making sure the water trucks are certified,

sampled and they reduce the chlorine levels are important parts. Jim Badowich thanked Dave and Dale Allred and said he would sponsor the case next year.

10. Storm Drain related cases/discussions

Mr. Badowich asked about using the City of Phoenix catch basin detail (P1569). Craig Sharp said it came up between Dan Nisson and himself to incorporate Phoenix's detail into MAG as a potential case. Buckeye's detail is basically Phoenix's Detail P1569. This is the same detail Peoria likes to use and Ryan Nichols of Mesa said they also would like to include it. Since it is widely used around the valley, Mr. Badowich wants to create something next year. Mr. Sharp said we need to create a new detail, since there is nothing in MAG close to it. Karl Rockwell said the City of Phoenix may have specs that refer to other Phoenix supplements. Craig Sharp said there was a manhole cover detail that would also need to be included.

There was discussion about some of the advantages and disadvantages of this detail. An advantage is that it does not have a grate that sticks out into bicycle lanes, and makes milling more difficult. Mr. Sharp said one of the challenges is that since it is only a curb opening, it is not as efficient at catching water as a grated one. For one project, he had to add additional 17' long wings on either side to catch the drainage.

Gordon Tyus brought up the detail, and Craig Sharp described some of its features and advantages. Karl Rockwell said the gutter is depressed, so you should get pretty good hydrolics. It does refer to a couple other Phoenix details (P-1561, the frame and cover) and (P-1575, that shows a hole to allow drainage from the subgrade). Gordon Tyus asked if Mr. Sharp if he had AutoCAD drawings, or if we need to get them from Phoenix. Mr. Sharp said he has it for P1569, but not for the other ones. Mr. Badowich said we should get the detail for the frame and cover also. Mr. Sharp agreed that it would be a multi-page detail, and that we may have to get into the standards as well. He said there is interest from Buckeye, Peoria and Mesa to add it. Mr. Badowich said he would also support it as a possible case for next year.

There was a brief discussion about shading and the spillway Detail 550. Karl Rockwell said we were done with this case. Mr. Tyus agreed and said he thought it was with regards to adding the shading to Detail 251 in the Misc. Corrections case. Mr. Rockwell confirmed that he suggested at the committee meeting to use shading instead of the diagonal hatch pattern for clarity. Mr. Tyus will work with Mr. Rockwell on updating the shading on this detail.

11. Other Potential Cases

Mr. Badowich reviewed some other potential cases including:

- *HDPE Manhole Adjustment Rings.*
Mr. Badowich said Warren White may bring this up as a case next year. They are experimenting with them now.
- *Pressure testing of sewer force mains.*
Jim Badowich said we may look at this again next year.
- *Air Release Valves*
Mr. Badowich did not know if this was an issue the group could come to agreement on. It could be a challenge. Crystal Flitton of GSM asked if it could be more of a simple above ground and

below ground standard. She said each city is different, some bury their valves, some are above ground. Jim Badowich said that was the problem, every city is different, which may be difficult to get a consensus on. He did not know if anyone was willing to take this on, and thought that even if there was a standard, the cities would likely modify it.

12. Other General Discussion

Mr. Badowich asked if there was any other issues for discussion. None were announced.

13. Next Meeting

There was some discussion about potential meeting dates of the working group for the rest of the year. Mr. Tyus confirmed that September likely would be the last committee meeting of the year, but that the working group could continue to meet to develop cases for early next year. Several members agreed. Mr. Badowich suggested September 22nd for the next meeting, and said the virtual meetings make it easier for people to attend. Mr. Tyus thought we were close to getting cases ready for the potholing detail, and the water wagon specs. Mr. Badowich thought it would be good to get some cases ready for January.

Gordon Tyus agreed to reserve September 22, 2020 at 1:30 as the next water/sewer meeting. He said MAG is still working remotely through September, so this will be a virtual meeting.

14. Adjournment

Chair Badowich thanked everyone for attending. The meeting was adjourned at 2:16 p.m.