

## Specifications & Details Outside Right-of-Way Working Group

November 21, 2019 Meeting 11:30 am – 1:00 pm

At

Maricopa Association of Governments  
302 N 1<sup>st</sup> Ave. 2<sup>nd</sup> floor Ironwood Room

### Meeting Minutes

Attendees: Peter Kandarlis, Tim Conner, Roy Herrington & Gordon Tyus

The working group discussed the following items:

- Permeable/Porous Pavement (concrete) presented by Roy Herrington (Scottsdale). Peter asked if he had looked at the existing MAG Specifications? Roy answered that he had, and he was in the process of gathering other local details and specifications. So far Roy had gathered details and specifications from park-n-ride projects in Glendale and Scottsdale. The appeared very similar. Roy and Tim will continue to look for other local details and specification for permeable/porous concrete installations.

Both Glendale and Scottsdale used 6” of permeable/porous concrete over 6” of ASTM 33 No. 57 rock on geofabric on compacted subgrade. This differs from the detail found in the Green Infrastructure Handbook slightly. The local details appeared to be simpler in their composition.

Roy explained he felt there would need to a predesign requirement to complete an onsite percolation test to assure the subbase would allow for infiltration. If the soils did not percolate to a certain standard an underdrain system should be then included. Peter agreed there may be a need to modify the existing specification to include this need to tie it to an installation method or limitation with additional design required for installation. Peter suggested Roy work with Jeff Hern, the original author of the MAG specification, and Roy agreed.

Peter suggested this detail would be a good one to bring forward to the larger committee. There may be a need to modify some additional existing material specifications and include references for standards. Peter said he would also send comments for the specifications to Roy.

Roy agreed to bring back revised detail and specification back to the December 19<sup>th</sup> meeting. The intent would be to present this detail the larger Specifications and Details

Committee at their January 8<sup>th</sup> meeting and have a premeeting with Jeff Hern to assure he was aware of the group's submission.

- Review of Joanne Tomms' (Glendale) comments on the vegetated or rock swale detail (note Joanne was not in attendance due to other conflicting meetings). Joanne had indicated most of her comments were landscape related, and that she had a call in to Mead Mier at the Pima Association of Governments to gain any understanding of lessons learned in Pima County from the installations of swales. The attending members agreed the comments were mostly landscape related and determined this detail and the landscape comments may belong in the envisioned Out of RoW book.

Peter noted the check dams might be expanded and included as a standard detail. He suggested there may be three options or so & most materials could be specified by using existing MAG standard specifications. Peter offered to review and provide a marked-up detail for the next meeting.

- The group reviewed the marked-up detail submitted by Hether Kraus for Jim Badowich (Avondale), but Heather & Jim were unable to attend the meeting. Gordon agreed attempt to modify the detail if he was given the AutoCAD detail. Tim agreed to make all of the Handbook details available. Peter commented he would take a look at the specifications (in Handbook) and provide comments. He felt this detail might be a good preview at the larger committee meeting and stated he thought most specifications may be called out on the detail including payment by each unit.
- Peter stated he would submit the Domed Overflow detail to the Specifications and Details sewer working group for comments.
- Next meeting will be on December 19, 2019 at MAG 2<sup>nd</sup> floor – conference room TBD

Attachments: Glendale comments, Avondale Comment & 1<sup>st</sup> meeting attendee list with email addresses and minutes (PDF)