



**GREEN STORMWATER INFRASTRUCTURE
HANDBOOK PART 2**

Morning Session: Pervious Pavement and Infiltration Trenches

Afternoon Session: Utility Protection and Coordination

April 10, 2018

What Did You Think of the Following Presentations and Activities?

1. Pervious Pavement Details – Peter Schultze-Allen, SCVURPPP Program Staff

Very Useful 26 Somewhat Useful 5 Not Useful 0

Comments:

- Define different terms for no specialist
- Probably talk about ideal locations for observant wells and frequency of location
- Clear presentation of the systems
- Presentation ended up feeling revisited

2. Infiltration Trench Details – Jill Bicknell, SCVURPPP Program Staff

Very Useful 25 Somewhat Useful 6 Not Useful 0

Comments:

- Examples of where different types best apply. i.e. parking lot, roadside drainage, park

3. Utility Protection Details – Jocelyn Walker, SCVURPPP Program Staff

Very Useful 21 Somewhat Useful 10 Not Useful 0

Comments:

- More specific would be useful – more regarding table of disturbing between utilities
- Lessons learned
- Guidance
- Difficult to provide commands in utilities details – see and more effective to have open discussion
- Interesting set of considerations
- Very good discussion! It was good to hear utility companies it would be good to let other utility companies to attend. Maybe let them know only 1-2 hours of their time is required for their presence AT&T's could not commit entire day
- Case study of other jurisdictions projects they have had to work around utilities would be helpful

4. Panel Discussion of Utility Coordination - PANEL

Very Useful 22

Somewhat Useful 8

Not Useful 0

Comments:

- Lots of work to do in this area!
- Would be more useful if discussion has captured for integration
- Good practical experience was shared
- Maybe focus on CA details since other states have other stormwater requirements
- Hearing from utilities was excellent
- This is not a topic we discuss often
- Good to hear the different perspective was from private and public utilities and municipal agencies.

5. Did this training meet your expectations? 28 Yes 2 Somewhat 0 No

6. Which topics/activities were most beneficial?

- All of the topics covered today were beneficial (2)
- Utilities discussion (3)
- Pervious pavement (5)
- Utility coordination roundtable/group discussion (2)
- Discussion
- As a non-engineer, but one who looks for GSI opportunities, the discussion of the technical aspects and utility considerations helps me understand planning these projects holistically, with our engineering and CPI project team members
- Good overview
- Project planning and coordination especially with utilities
- Group discussion on details
- Presentations and examples, group discussion
- All were beneficial, particularly utility conflicts. Seems like an on-going discussion. Perhaps an input form from utility comparisons in the South Bay is needed.
- Increasing my understanding of infiltration systems and paver information

7. Which topics/activities were least beneficial?

- Utilities (2)
- Looking at typical details was not easy as a non-engineer
- GI Overview
- Later on the table discussion could be cut to a shorter time
- Utility roundtable
- Detail feedback
- My group was not knowledgeable enough about the topic to have the breakout sessions be of much use. We didn't feel we could offer much feedback

8. What topics would you recommend for future training?

- More details for discussion
- Actual examples to learn from that were built
- More on O&M of the GSI systems, SOP's
- Maintenance
- Replacement of features
- Having utility input is critical
- Coordination between disciplines and maintenance of structures
- Cost estimates relating to runoff requirements
- I often like to see comparative examples of what can go wrong in projects vs how to ensure it is constructed well. There were a few such examples today too
- Case studies of implementations and challenges/successes, both locally and nationally
- More utilities/conflict discussions
- I think we need to have another workshop like this when finalizing details or perhaps a 3-Step process – this is the 1st, have a mid-workshop(s) and final
- Might be interesting to consider a look-ahead on what details might be require for MRP reporting. Maybe that's already understood and it is just me who wonders.

General Comments:

- Good workshop
- Different than all previous ones
- Quite useful
- Recommendations for trench/surface restoration
- Keep up the training as new technology and mythology evolved in this industry.
- Thank you (3)
- Great workshop
- Much of this information was new to me and above my current knowledge base, but very useful to help me communicate and understand more technical considerations.
- Having SJWC have to give their perspective was helpful.
- Well done! (2)
- I think asking for formal comments again after comments in the workshop, itself is somewhat redundant.
- I was hoping that the workshop would capture key input be best use of stuff time.
- This location is not convenient! Please stay closer to San Jose
- Please assure handouts are in same order as presentation. Instead of printing, post PowerPoints online.
- How are FEMA regulations accounted for in floodplain?
- Bring back fruit with morning pastries
- I would have like a review of what counts as a system or treatment per the MRP - % of water that gets treated/absorbed or calculations on rain and treatment area etc.

Please submit at the end of the training. ***Thank You for Your Comments!***