

**Stormwater Controls for Regulated Development Projects
and Green Infrastructure Projects**
City of San Mateo Library, Oak Room
55 W. 3rd Ave., San Mateo, CA 94402
Wednesday, June 21, 2017
9:00 a.m. – 3:30 p.m.

What Did You Think of the Following Presentations?

- 1. C.3 Regulated Projects, Basic Training on MRP Provision C.3 and LID –**
Peter Schultze-Allen, EOA

14 very helpful 10 somewhat helpful 0 not helpful

Comments:

- Brought a staff member who was not as familiar – she seemed to appreciate the overview
- Some of the pictures of biotreatment areas do not have 6 inches of ponding because inlet is at grade
- Very good for new reviewers
- Review of the provisions is helpful
- Being new to this, this was very helpful
- Good overview
- Good overview for large # of non-MRP focused staff (e.g. engineers/planners) in the room, with good level of detail also for pure SW focused staff
- Good refresher for newer staff that aren't familiar with the MRP and C3 requirements; short and sweet for people that are already familiar and to the part of changes
- Peter is always great. Was helpful to get confirmation of what my agency has been doing right, and what changes we need to make

- 2. C.3 Regulated Projects, Preparing and Reviewing Stormwater Control Plans –**
Kristin Kerr, EOA

20 very helpful 5 somewhat helpful 0 not helpful

Comments:

- Nice overview even for those of us who do not regularly do reviews
- Excellent presentation, with many examples including common errors
- Good design notes. Figure does not show energy dissipation at curb cuts. Mulch needs to be on landscape plan as landscape architects do not see civil plans.
- Brought up some good points
- I like examples of correct and incorrect control plan examples

- I like the examples of correct and incorrect control plan examples
- I really like the common error tips
- Information is clear; showing the “wrong” and “correct” ways and common errors are very helpful.
- Still confused by discussion of C.3/C.6 table “entire site” vs “roof, paving, other “breakdown.” I didn’t understand explanation
- Good presentation of all SCP resources and processes, with updates for expert audience members, comprehensive.

3. C.3 Regulated Projects, Stormwater Control Measure Design and Sizing –
Jill Bicknell, EOA

18 very helpful 7 somewhat helpful 0 not helpful

Comments:

- Nice learning opportunity
- I like the clarification on the common errors on the C.3 checklists
- Perhaps a little too much calculation detail for audience. I would only show 4% and combo methods.
- Lots of math
- Speaker could have been more engaging; material was a bit dry
- More examples and ideas would be helpful to gain more ideas that could be applied.
- Nice to walk through an example
- Although very technical information, examples were very helpful
- Helpful to understand the relative outcomes of each sizing method, and their impacts on the site.
- Good introduction and examples of design/sizing strategies and formulas with resource references

4. Green Infrastructure (GI) Projects, Overview of Provision C.3.j (GI) Requirements –
Jill Bicknell, EOA

18 very helpful 8 somewhat helpful 0 not helpful

Comments:

- Nice learning opportunity
- Already familiar with this topic
- Great introduction to GI
- Thanks for itemizing the requirements!
- Would like more details on required efforts to meet C3d sizing
- Not a planner so less relevant for my job. But nice resource links.
- Helpful for understanding the requirements and the goal to achieve
- Can you explain in the future how GI projects handle sizing? I’m confused how these small retrofits integrate with much larger tributary areas which wouldn’t meet typical LID sizing ratios. How do you prevent the small GI projects from being overwhelmed and washed out from the large existing street network.
- Succinct overview of key topic uniting both engineering and stormwater folks interests

5. GI Projects, Overview of New GI Guidance Documents – Phil Erickson, CD+A

12 very helpful 15 somewhat helpful 0 not helpful

Comments:

- Nice learning opportunity
- Already familiar with this topic
- More helpful to municipalities, not consultants
- Good explanation of process program is following
- Good to know what is coming
- Helpful status update and information regarding guidance documents that are being produced/drafted
- Very general, somewhat repetitive, not many concrete clear (e.g. visible, formatted) tables to present
- Too long. Lost me listening to discussion of future documents.

6. GI Projects, Integration with Pedestrian and Cyclist Infrastructure - Phil Erickson, CD+A

13 very helpful 13 somewhat helpful 1 not helpful

Comments:

- Nice learning opportunity
- More specific resources would be helpful (example of getting grant funding and specific challenges working through project implementation would be helpful)
- Helpful to know all challenges to GI
- Would be nice to identify key transportation officials from organizations like Caltrans, Caltrain and SamTrans
- It is nice to see different ideas and projects
- It is nice to see ideas from all over the country and see successful projects
- Helpful in understanding the timeline and origin of GI from other areas
- I was a little confused how this session directly related to stormwater compliance. I understand the benefit of taking the opportunity in a GI project to build non-auto transportation infrastructure, but it felt more focused on non-stormwater issues than it should have.
- Pretty nice, not always applicable to our stormwater work

7. GI Projects Group Exercise, Selecting and Siting GI Measures - Peter Schultze-Allen

12 very helpful 10 somewhat helpful 2 not helpful

Comments:

- I'd seen an example similar to this before, but helpful to talk through in a small group setting
- More exposure to project constraints would be helpful
- So many options for Castro Blvd.
- Great examples, fun activity
- Vague
- Everyone should not get the same exercise
- Very great presentation

- Group exercise helped to think of options of GI and sustainability for complete streets
- Visual examples of before and after were nice
- General examples roundtable discussion useful, but could present more innovative cost effective solutions

8. School Districts and GI Projects, Regional GI Project with Caltrans – Eric Holm, Las Lomas Elementary School District

14 very helpful 6 somewhat helpful 1 not helpful

Comments:

- Very interesting
- Interesting project, nice to learn more about schools and how they operate
- Cool! Exciting to hear about partnerships between schools and municipalities working together to address flooding and stormwater issues.
- Interesting to hear about projects in the area and the issues associated with it
- Very interesting. Thanks for sharing
- Very interesting project crammed into an existing footprint

Did this workshop meet your expectations?

27 Yes

0 No

Suggestions for future workshop topics:

- More interactive exercises
- Developing for GI plan
- Report on existing system and performance
- Report on cost vs benefit
- Common difficulties/tough to review aspects for C.3 per checklist review or SW Control Plan review; lessons learned for getting jurisdictions' engineering and stormwater/compliance staff to work together

General Comments:

- Nice overview
- Not a lot of new information (thankfully!) but a good refresher overall
- I already knew the topics, but there were interesting tidbits
- Thanks
- When putting together the various policy documents, please include sample calculations for sizing the facilities
- Infiltration systems require on-site infiltration data
- Retention, detention systems require minimum contact time to allow sediment to drop; need time for microbes to remove pollutants
- Self-treating areas need to be marked on plans so that they don't build on it in a different phase; also needs calculation to size the no build zone
- Lunch was great
- I liked the way the day was organized – C.3 regulated vs GI
- I liked the interactive group exercise to break up all the PowerPoint presentations
- Thank you for paper handouts

- More examples of plan review (what to look for, checklist of things that the plan should contain)
- It is helpful to have links to all the guideline documents used. They are easy to access. It would be helpful to go over issues with reporting and being open about those issues.
- The staff is always so helpful, knowledgeable, and supportive!
- Good range of topics, level of detail, and accommodations (especially food!)
- Thank you