Seattle 2015 Stormwater Code & Manual Update

Seattle Stormwater Code & Manual Update
History

- Drainage Code since 1979 with Flow Control required
- GSI allowed for Flow Control since 2000
- GSI required in 2009 – a la carte
- Updated GSI (MR#5) approach in 2015

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Lessons Learned

- Ask designers what is working or not
- Put minimum requirements up front
- Inclusive Team
  - Plan Review, Transportation, O&M
- Avoid guidance, use enforceable language
- Say it once and say it simply

Presented by:
Sherell Ehlers, P.E.
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Lessons Learned

- Provide training – internal & external
- Create standards, SOPs, and get buy off
- Develop implementation tools
- GIS tracking (standards, resources)
- Website – Plain Talk

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Tools

- Infiltration Evaluation Map
- On-Site Calculator
- Infeasibility Checklists
- Standard Plan Sheet
- Standard Details
- GIS Standards

On-site List for Single-family Residential Projects

<table>
<thead>
<tr>
<th>Category</th>
<th>GSI BMPS</th>
<th>All Basins</th>
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- Evaluation required for all runoff from single family residential projects.
- Evaluation required for all surfaces of single family residential projects.
- Installation only allowed for projects with less than 5,000 sq ft of impervious surface infiltrating on-site.
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Tools – GIS Data

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Contact

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Draft Manual

- Overview of Manual:
  - Manual Layout
  - Volume 1 – Project Minimum Requirements
  - Volume 2 – Construction Stormwater Control
  - Volume 3 – Project Stormwater Control
  - Volume 4 – Source Control
  - Volume 5 – Enforcement
  - Appendices
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Draft Manual Changes

- Volume 1 – Project Minimum Requirements
  - Guide to other volumes for additional information
  - Chapters:
    - Minimum Requirements for All Projects
    - Minimum Requirements for Project Types
    - Site Assessment, Planning & Documentation
    - Drainage Control Review & Application Requirements

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Draft Manual Changes

- Volume 2 – Construction Stormwater Control
- Volume 3 – Project Stormwater Control
  - Condensed text
  - BMP selection combined into a single chapter
  - Design criteria combined into a single chapter
  - Non BMP information moved to appendices
- Volume 4 – Source Control
- Volume 5 – Enforcement
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Draft Manual Changes

- Appendices
  - Combined and centralized
  - Edited for equivalency
  - Several subjects moved from main text to appendices