City of Tacoma - LID Plan Review

Washington Municipal Stormwater Conference
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City of Tacoma - Background

- ~72% drains to flow control exempt receiving waters
- ~500 miles of pipe
- MR #5 is different based upon the ultimate discharge location

Lessons Learned

1. Know your watersheds
   - Requirements may be applied differently based on watershed.
   - May have different areas of concern.

2. Training
   - Continuous.
   - Internal and external.

3. Databases or Software
   - Find or develop databases for plan review/inspection tracking.
   - GIS Layers

4. Publicly Maintained Facilities
   - What facilities/BMPs/configurations will City accept.

5. Public Education
   - Explain Why?
Tools

• Stormwater Site Plan Short Form
• Soils Report Appendix
• Small Site SWMM
• Project Examples
• Flowcharts

SSP Short Form

MR Flowcharts
Soils Report Appendix

Appendix B Soils Reports

This appendix describes soil and site-specific soils report and the requirements of such soils report.

B.1 Site Report

- A soils report shall be prepared for a site-specific soils report. See Section B.1.1 for site-specific soils report requirements.

B.2.1 Site-specific soils report

- The soils report shall be prepared in sufficient detail to allow for the determination of the soil properties and their effects on the site.

B.2 Design Foundation Requirements (ASCE 7-10)

A soils report is to report on design foundation requirements and at least two (2) different foundation alternatives. Design foundation alternatives will be provided as follows:

1. Site-specific soils report
2. Site-specific soils report
3. Site-specific soils report
4. Site-specific soils report
5. Site-specific soils report
6. Site-specific soils report
7. Site-specific soils report
8. Site-specific soils report
9. Site-specific soils report

For Soil Report Requirements for Dispersible Foundation

The soils report shall include:

- Determination of the soils conditions and characteristics
- Identification of any potential soil hazards
- Recommendations for site development
- Analysis of soil stability
- Design criteria for foundation systems
- Soil classification
- Geotechnical parameters
- Soil test results
- Soil sampling

The soils report shall be prepared in accordance with the American Society for Testing and Materials (ASTM) standards.