

From: Eric Golemo [mailto:EGolemo@SGAengineering.com]

Sent: Monday, January 30, 2012 3:57 PM

To: O'Brien, Ed (ECY)

Cc: Jason Mattos; Lance Lehto

Subject: Infiltration White paper / Comment on draft Western Washington Stormwater Manual

Ed,

Per our discussion at the recent hearing, I have attached a copy of the ASCE white paper on infiltration. There was quite a bit of research done and input from numerous professional in the civil engineering and geotechnical community. While the new proposed methods may be reasonable and appropriate in many situations. They may not be appropriate in all situations or areas. Other methods may be equally effective and more cost effective. AKART should not be limited to one or two tools.

Here are a few things to consider:

- In variable soils more tests can give better info. PIT may be appropriate where soils are fairly consistent across the site. But, it can be too disruptive and can be cost prohibitive. Availability of water is also an concern.

- We have had poor results with grain distribution tests in our alluvial soil deposits. You can get great lab results but the in situ soils do not perform as well.

- The procedures in the attached whitepaper have produced consistent and functional data. There is a history of proven success! Why fix something that is not broken! We had problems with previous methods used to calculate infiltration rates. This was done to standardize procedures, and obtain more consistent results. They have been used with success.

We have some additional comments we plan to submit, but, I wanted to get this to you separately due to the attachments.

Sincerely,

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