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**MEMORANDUM**

**To:** Brett Kelper, AICP, Associate Planner, City of Milwaukie

**From:** Atalia Raskin, PE WR Project Manager

**Date:** March 27, 2017

**Subject:** Incompleteness Stormwater Comment – Site 13333 SE Rusk Rd.

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The preliminary drainage report describes the proposed stormwater management approach that includes the use of bioretention basins and planters. These types of stormwater management facilities are approved by the City of Portland.

The WES Tool was selected for the stormwater facility sizing to meet SLOPES V standards for the wetland fill permit. SLOPES V guidance are more stringent than the City of Portland methodology (hydrograph based).

The water quality storm as defined by the City of Portland is 0.83 inch precipitation depth. This is less than the WES Tool, which uses a water quality storm precipitation depth of 1.0 inch.

SLOPES requires continuous simulation for flows from 50% of the 2-yr through the 10-yr. The WES Tool is the only continuous simulation tool developed for use within Clackamas County. Therefore, by meeting SLOPES V standards we'll also be meeting City of Portland's (and City of Milwaukie's) standards. Additional information on how the proposed facilities meet the City of Milwaukie's standards can be provided during the construction documents submittal.