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**MEMORANDUM**

DATE: 10 August 2018  
TO: Eric Christensen, P.E, City of Olympia  
CC: Bill Taylor  
FROM: Doug Beyerlein, P.E.  
SUBJECT: Deliverable 2.1

**Deliverable 2.1: Site selection criteria checklist.**

This task is an update of the existing site selection criteria checklist in coordination with Ecology staff, consultants, and participating jurisdiction partners.

The original site selection criteria checklist developed by the CCS team for the first bioretention hydrologic performance study included input from all of the project team members and represented the major items that we had identified as important in the selection of appropriate bioretention sites for monitoring, analysis, and evaluation.

The original site selection criteria checklist was in the form of a spreadsheet divided into the major categories of General, Monitoring, Hydrologic Modeling, Soil/Infiltration, and Vegetation. Within each of these categories were multiple questions/items for use in the criteria process. Some required Yes/No answers; others were scored from 1 to 10; and some required the input of specific information.

For the current study we have conceptual kept those criteria in mind in our evaluation of individual bioretention sites for monitoring. However, due to our desire to have all of the monitoring equipment in place by the start of the autumn storms (early October) we have not spent time formalizing the criteria. Rather, based on our experience in the first study, we are focusing on two major criteria in our selection process: (1) the ability to accurately measure inflows to the bioretention facility, and (2) the facility was designed using WWHM2012. We are currently evaluating numerous sites based on these two criteria. A list of potential sites is shown below.

Potential Bioretention Sites for Monitoring:

Sites visited to date (8/10/18):

Blaine High School - Blaine  
Fisher Elementary School - Lynden  
Lynden new middle school - Lynden  
Yew Sreet - Bellingham  
Happy Valley Elementary- Bellingham  
Cornwall and Kentucky – Bellingham  
1st Street - Marysville  
3rd Street - Marysville  
Sonic Drive - Marysville  
Park Place Middle School – Monroe  
Salem Woods Elementary School – Monroe  
Homestreet Bank – Tacoma  
Prairie Line Trail – Tacoma  
Mary Lyon Elementary School – Tacoma  
Proctor South – Tacoma  
Wilson High School – Tacoma  
Bush Middle School – Tumwater  
Tumwater Middle School – Tumwater

Potential Sites (not yet visited):

Wainwright Elementary School - Tacoma  
Arlington Elementary School - Tacoma  
Lake Stickney Elementary School - Mukilteo  
Lake Stevens Elementary School – Lake Stevens  
Anacortes High School - Anacortes  
Bethel Middle School (Liberty) - Spanaway

We are still enquiring about additional sites to evaluate.