# Earth Engineering Inc.

Geotechnical & Environmental Consultants

Scott Taylor
SGA Engineering
2005 Broadway
Vancouver, WA 98663

April 25, 2022
G10-0122

**Subject:** **Soil Suitability Analysis - Stormwater Infiltration**
**Proposed Lacamas Counseling Center**
**3631 NE Everett Street, Camas, Washington**
**(Tax ID No. 124290-000)**

Hello Scott,

At your request, Earth Engineering, Inc. has collected a soil sample and provided laboratory testing to determine if on-site soil is suitable for shallow stormwater infiltration using permeable pavers for the proposed development.

On February 23, 2022, a soil sample was collected at a depth of approximately eight to ten inches below the existing ground surface at the south-central area of the site. The sample was collected at the southwestern area of the proposed parking lot. The sample was then delivered to A&L Western Agricultural Laboratories in Portland, Oregon.

In accordance with the criteria established for determining if the near surface soils are suitable for the proposed infiltration the sample was tested for Cation Exchange Capacity (CEC) (USEPA Method 0981) and Organic Content (ASTMD 2947) as requested. We have attached a copy of the laboratory test results.

The CEC test result was 11.7 milliequivalents (meq) per 100 grams of soil, which is well above the requirement of $\geq$ 5meq/100grams of soil. The Organic Content test result was 11.9%, which is above the required criteria of a minimum of one percent (1%).

Laboratory testing indicates that the soil sample collected in the vicinity of the proposed infiltration system (permeable pavers) meets the requirements for being considered suitable for stormwater infiltration. Please refer to the attached test results.

If you have any questions or require additional information, please call Don Bruno at (360) 600-6518.

Respectfully Submitted,
**Earth Engineering Inc.**,

Don Bruno, EG
Engineering Geologist

4/25/22

State of Washington
Engineering Geologist
2177
Licensed Geologist
DONALD J. BRUNO