

Wedler Engineering LLP
201-9300 Nowell Street
Chilliwack, BC V2P 4V7



WEDLER
ENGINEERING

July 14, 2020

File Ref: C19-5621/A

Fraser Valley Regional District
45950 Cheam Avenue
Chilliwack, BC V2P 1N6

Attention: David Bennett, Planner
Reference: 52964 Yale Road, Chilliwack, BC
Updates to Drainage Design Brief

A Drainage Design Brief, dated May 5, 2020, was submitted to the Fraser Valley Regional District (FVRD) based on preliminary design drawings, dated April 9, 2020. An update to the Drainage Design Brief was previously provided on June 15, 2020, based on updated drawings dated June 5, 2020. Further updated preliminary design drawings have been prepared, based on changes to the proposed site plan, dated July 14, 2020.

The most current updated site plan adjusts the amount of landscaped area versus pavement area in order to accommodate additional area for wastewater treatment facilities. These changes resulted in a net change to the amount of impervious area of approximately 34 square metres. Below are the new calculations for the weighted run-off coefficient calculations.

| | |
|--------------------------------------|--|
| Pervious area (R=0.30): | 400 sq. m |
| Impervious area (R=0.90): | 3470 sq. m |
| Total area: | 3870 sq. m |
| Weighted Run-off Coefficient: | $(400 \times 0.30 + 3470 \times 0.90) / 3870 = 0.84$ |

This change results in a negligible fraction of the total site area, the weighted run-off coefficient remained unchanged. As such, the information contained in the Drainage Design Brief, dated May 5, 2020, is unaffected by the changes to the updated site plan.

We trust that this information meets your expectations. Should you have any questions or concerns, please do not hesitate to contact the undersigned.

Yours truly,

Wedler Engineering LLP

Per:

André Gagné, P.Eng.
Project Engineer
agagne@wedler.com

cc: Steven cross, X Architecture
Virginia Melandri, X Architecture
Jay Lee, Rhee Ga Holdings