



September 17, 2015

RVA 153188

The RGB Group / 1828486 Ontario Inc.
277 Kirchoffer Avenue
Ottawa, ON
K2A 1Y1

Attention: Rolf G. Baumann

Re: 890 Greenbriar Development
Updated Stormwater Management Memo

This letter is intended as an update to the Stormwater Management Report submitted by R.V. Anderson Associates Limited for 880 Greenbriar, dated May 2008, demonstrating how the proposed development at 890 Greenbriar will meet the stormwater management requirements as part of an overall site consisting of both sites. A copy of the original report is included with this submission.

The 2008 report demonstrated how the site at 880 Greenbriar conformed to the stormwater management criteria set forth by the City of Ottawa. The layout of the site at 880 Greenbriar, consisting of 9 townhouse units, achieves the required 0.6 runoff coefficient using landscaping, permeable paving stones and other surface treatments.

The proposed development at 890 Greenbriar will essentially be a mirror of the 9 units built at 880 Greenbriar, and will be served by the same private road and utilities (water, sanitary sewer, and storm sewer). This letter should be read in conjunction with the approved Stormwater Management Report for 880 Greenbriar.

STORMWATER MANAGEMENT CALCULATIONS

Drawing C-01 shows the proposed buildings and site layout, including the 9 townhomes previously built at 880 Greenbriar. For the purpose of these calculations, the overall site is being considered (both 880 and 890 Greenbriar), and this section details how the overall runoff coefficient of 0.6 can be achieved. For Site Plan Application purposes, Drawing C-02 shows the proposed site grading, and Drawing C-03 shows the plan and profile of the proposed sewers.

The overall area of the two sites is 4,889m², broken down into total areas as identified in the following table. The corresponding runoff coefficients are also shown.

TABLE 1 POST DEVELOPMENT SURFACE DRAINAGE AREAS		
SURFACE TYPE	Coefficient	AREA (m ²)
Asphalt	0.90	563
Grass	0.20	1,951
Roof	0.90	1,982
Turf Block	0.60	41
Paver Stone	0.80	352
	Total	4,889

Using the information in Table 1, an overall weighted runoff coefficient is calculated for the overall site is calculated as follows:

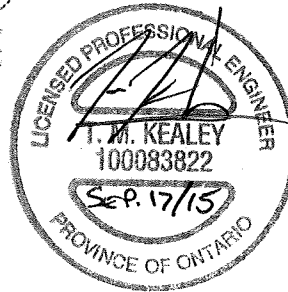
$$C = [0.9(563) + 0.2(1,951) + 0.9(1,982) + 0.6(41) + 0.8(352)] / 4,889$$
$$= 0.6$$

This demonstrates that the layout of the site achieves the required overall runoff coefficient of 0.6, as outlined in the requirements for 880 Greenbriar and approved by the City of Ottawa in 2008.

Yours very truly,

R.V. ANDERSON ASSOCIATES LIMITED

Trevor Kealey, P.Eng.
Regional Manager, Associate



Encls:

Stormwater Management Report (May 2008)
Drawings C-01, C-02, and C-03