

**City of Medicine Hat**

**A, B, C Coefficients for use with the Chicago method for Rainfall distribution hyetographs:**

<b>Return Frequency of Rainfall Event (1:X yrs)</b>	<b>A</b>	<b>B</b>	<b>C</b>	<b>Total 24 Hr Rainfall Depth From AES Data (mm)</b>
<b>1:2</b>	<b>248.9</b>	<b>1.154</b>	<b>0.703</b>	<b>36.1</b>
<b>1:5</b>	<b>337.0</b>	<b>0.562</b>	<b>0.686</b>	<b>55.7</b>
<b>1:10</b>	<b>386.4</b>	<b>0.241</b>	<b>0.673</b>	<b>68.7</b>
<b>1:25</b>	<b>471.1</b>	<b>0.168</b>	<b>0.674</b>	<b>85.1</b>
<b>1:50</b>	<b>514.1</b>	<b>-0.026</b>	<b>0.664</b>	<b>97.2</b>
<b>1:100</b>	<b>568.9</b>	<b>-0.095</b>	<b>0.663</b>	<b>109.3</b>