



DATE: 12/11/2023

SUBJECT: Addendum # 2 to City of Edmonton Design and Construction Standards
Volume 3-02 Stormwater Management and Design Manual. December 2023.

Purpose:

The December 2023 “Addendum #2 to City of Edmonton Design and Construction Standards Volume 3-02 Stormwater Management and Design Manual” provides an update to Section 2.0 Tables of Runoff and Rainfall Information. The update provides updated guidance on the runoff coefficient based on zoning and classification designation reflecting updates to the zoning bylaw # 20001.

Updates:

Table 2.1 of Volume 3-02 of the design and construction standards is removed and replaced with the attached update.

A summary of the changes made are noted in the table below.

Current Section:	Changes:	Date
2.1 Table 2.1: Storm Runoff Coefficients and Imperviousness According to Zoning	<ul style="list-style-type: none">• Table title changed to “Table 2.1: Storm Runoff Coefficients According to Zoning and Zoning Category”• Updated runoff coefficients to reflect the built-form of properties in the City of Edmonton based on actual % imperviousness.	Dec 2023

The December 2023 addendum to City of Edmonton Design and Construction Standards Volume 3-02 Stormwater Management and Design Manual is considered part of Volume 3-02 of the design and construction standards wherever the design and construction standards are referenced by other documents.

Should any users have any questions regarding this addendum, the user is advised to seek clarification by sending an email to DRENG@epcor.com.

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<p>Mathew Langford, P.Eng. Manager, Stormwater Planning EPCOR Water Services Inc.</p>	<div data-bbox="777 386 1411 751" style="border: 2px solid black; padding: 10px;"><p style="text-align: center;">PERMIT TO PRACTICE EPCOR WATER SERVICES INC.</p><p>RM SIGNATURE: _____</p><p>RM APEGA ID #: <u>68166</u></p><p>DATE: <u>December 14, 2023</u></p><p style="text-align: center;">PERMIT NUMBER: P006368 The Association of Professional Engineers and Geoscientists of Alberta (APEGA)</p></div> <p>Liliana Malesevic, P.Eng. Senior Manager, Land Engineering EPCOR Water Services Inc.</p>

Enclosures



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Zoning or Classification Designation Per Bylaw # 20001 ¹	Zoning Category/Description Per Bylaw # 20001	Runoff ² Coefficient " C "
RVSA, NA	River Valley	0.2
PS, PSN	Open Spaces/Civic Services	0.3 ³
AG, FD, RR	Agricultural/Rural Residential	0.3
UF	Urban Facilities	0.6
RS, RSF	Residential (Low Density)	0.65 or 0.7 ⁴
RSM, RM, RL	Residential (High Density)	0.7 or 0.75 ⁴
CN, MUN	Neighbourhood Commercial/Mixed Use	0.8 to 0.9 ⁵
CB, CG, MU	Commercial/Mixed Use	0.85 to 0.95 ⁵
BE, IH, IM	Industrial	0.85 to 0.95 ⁵

¹ For zonings not shown in this table, the runoff coefficient “C” and the percentage of imperviousness area shall be estimated by the designer and runoff coefficient determined in consultation with EPCOR.

² Minimum design values to be used without specific area analysis. To be used only for calculation of peak runoff rates by the rational method.

³ Runoff coefficient is valid for Open Spaces with minimal hard surfacing. Open Spaces that will have plaza areas or significant allocations for hard-surfaced sports fields must have a runoff coefficient assigned based on a percentage of impervious area estimated by the designer.

⁴ Lower value may be used when the catchment area considers the lot only. Higher value must be used when the calculation includes the road ROW frontage and backage.

⁵ Lower value may be used for developments incorporating landscaped areas (boulevards, islands, etc.) into the parking lot design.

2.1.1 *Special districts

The storm runoff factor for special district zonings are to be the same as the factors for the land use designation which closest resembles the land use specified by the associated statutory plan overlay, or area structure plan, covering the parcel being assessed.

2.1.2 Zonings not shown above

For zonings not shown in **Table 2.1**, the percentage of imperviousness Imp% shall be estimated by the designer and runoff coefficient be determined in consultation with EPCOR.