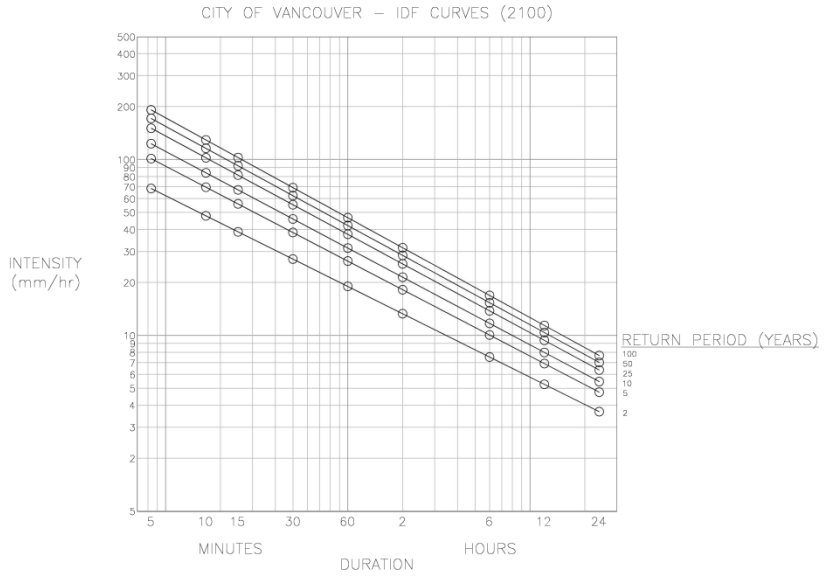
Schedule I



INTENSITY DURATION FREQUENCY (IDF)
EQUATION INTERPOLATION COEFFICIENTS (2100)

$R = A * T^{B}$

WHERE:
T = TIME IN HOURS
A,B = COEFFICIENTS
R = RAINFALL INTENSITY IN mm/hr

RECURRANCE INTERVAL	PROBABILITY	A	B
1 IN 2 YR	50%	18.96	−0.516
1 IN 5 YR	20%	26.41	−0.540
1 IN 10 YR	10%	31.32	−0.550
1 IN 25 YR	4%	37.51	−0.559
1 IN 50 YR	2%	42.09	−0.564
1 IN 100 YR	1%	46.64	−0.568

SOURCE:
"VANCOUVER RAINFALL STUDY AND IDF UPDATE,"
URBAN SYSTEMS LTD, VANCOUVER BC,
PS20150252, DECEMBER 2015.

APPLICATION

25 YEAR – TRIBUTARY AREA GREATER THAN 40.5ha (100acres)
10 YEAR – DESIGN, BUSINESS, COMMERCIAL AND INDUSTRIAL AREAS.
5 YEAR – DESIGN, RESIDENTIAL AREAS, INVESTIGATIONS

MINIMUM INLET TIME

RESIDENTIAL AREA	10 MINS.
BUSINESS	5 MINS.
CENTRAL BUSINESS DISTRICT & WEST END	5 MINS.

ENGINEERING SERVICES - CITY OF VANCOUVER

CITY OF VANCOUVER	SEWERS & DRAINAGE DESIGN BRANCH	SEWER – STANDARDS RAINFALL INTENSITY EQUATION 2100 IDF CURVE	SCALE: N.T.S.
	DRAWN BY: SP		STANDARD SECTION
	DESIGN:		
	REFERENCES:		REVISION:.....

THIS PRINT SUPERSEDES ALL PRINTS OF THIS DRAWING BEARING PREVIOUS REVISION NUMBERS

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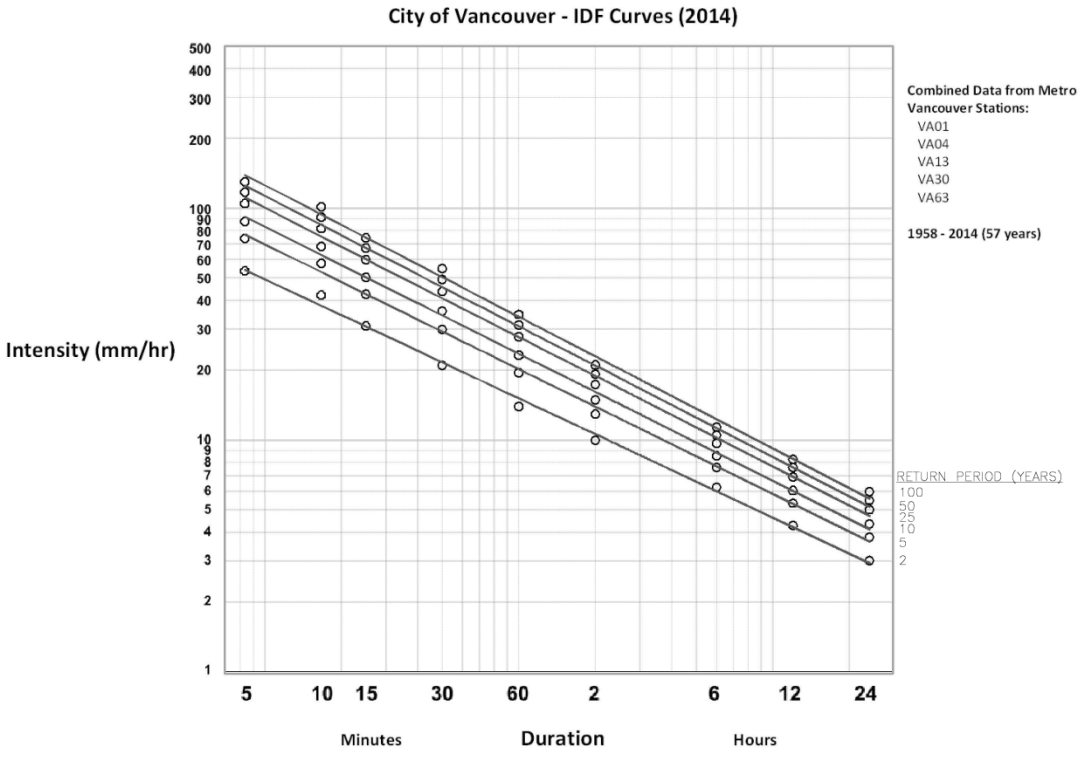

INTENSITY DURATION FREQUENCY (IDF) EQUATION INTERPOLATION COEFFICIENTS (2014)

$R = A * T^{B}$

WHERE:
T = TIME IN HOURS
A,B = COEFFICIENTS
R = RAINFALL INTENSITY IN mm/hr

RECURRANCE INTERVAL	PROBABILITY	A	B
1 IN 2 YR	50%	15.13	−0.514
1 IN 5 YR	20%	20.21	−0.538
1 IN 10 YR	10%	23.56	−0.548
1 IN 25 YR	4%	27.78	−0.558
1 IN 50 YR	2%	30.90	−0.563
1 IN 100 YR	1%	34.00	−0.567

SOURCE:
"VANCOUVER RAINFALL STUDY AND IDF UPDATE," URBAN SYSTEMS LTD, VANCOUVER BC, DECEMBER 2015.

APPLICATION

10 YEAR – DESIGN, BUSINESS, COMMERCIAL AND INDUSTRIAL AREAS.
5 YEAR – DESIGN, RESIDENTIAL AREAS, INVESTIGATIONS

MINIMUM INLET TIME

RESIDENTIAL AREA	10 MINS.
BUSINESS	5 MINS.
CENTRAL BUSINESS DISTRICT & WEST END	5 MINS.

CITY OF VANCOUVER

CITY OF VANCOUVER - ENGINEERING SERVICES

RAINFALL IDF GRAPH AND MINIMUM PIPE SLOPES AND EQUATIONS

SCALE: N.T.S.
DATE: AUG 2016 DESIGN:
DWG. NO. S-4.1
REVISION:...1....

PLOTTED: Tuesday, September 06, 2016 7:40:42 AM
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