BRAMPTON
Flower City
brampton.ca

STORM DESIGN SHEET

APPROVED:
2011/04/13

ORIGINAL:
1990/11/01

REV. 2

342

N.T.S

STREET	AREA NO.	UPSTREAM		DOWNSTREAM		NO. OF HECTARES			AREA × STORM CO-EFF.				TOTAL A × C	TIME		I.....	I100	FLOW $\frac{2.78\,A.C.I.}{1000}$ m 3/S		PIPE						PIPE CLASS	(NOTE 1) ROAD		
		MH	INV	MH	INV	IN AREA	CONTR.	TOTAL	0.25	0.50	0.75	0.90		IN AREA	TOTAL			Q.......	Q100	LENGTH	SIZE	GRADE	CAPACITY	VEL.	TIME		TYPE	GRADE	CAPACITY

$Q = \frac{2.78\,A.C.I.}{1000}\ (m^3/s)$

C=RUNOFF COEFFICIENT; PARKS 0.25,
SINGLE & SEMI-DETACHED 0.50
MULTIPLE, INSTITUTIONAL,
0.75 & COMMERCIAL/INDUSTRIAL
0.90 OR DETAILED DESIGN

RAINFAL INTENSITY (mm/ HR) SEE STD. #343 INLET TIME =10min.

A = AREA (HECTARES)

PIPE ROUGHNESS n = ______(0.013)

PIPE

LENGTH = m

SIZE = mm

GRADE = PER CENT (%)

CAPACITY = m^3/ sec

VELOCITY = m/ sec.

ROAD TYPE

1. 8.0m IN 17m R.O.W.
2. 8.0m IN 20m R.O.W.
3. 10.0m IN 23m R.O.W.
4. 14.5m IN 26m R.O.W.
5. _____ IN _____ R.O.W.

NOTES:

1. COMPLETE ROAD COLUMNS ONLY WHEN Q100 - PIPE CAPACITY >2.4m^3/ s.
2. PIPE CAPACITY + ROAD CAPACITY ≥Q100

LOCATION ....

CAL. BY:........ DATE:........ CHK. BY:........ DATE:........ SHEET ...... OF ......