STORM SEWER DESIGN SHEET

5 MIN. ENTRY TIME ☐
15 MIN. ENTRY TIME ☐
I=2464/(t+16)

Q=AxRxIx2.78

STREET NAME	FR. MH.	INVERT ELEV. (m)	FR. MH.	INVERT ELEV. (m)	AREA (ha.)	R	AxR	ACCUM (AxR)	I (mm/hr)	Q (l/sec)	L (m)	PIPE DIA. (mm)	GRADE %	CAP. (l/sec)	V (m/sec)	TIME (min)	TOTAL TIME (min)	MANHOLE DROPS	
																		REQ'D	GIVEN

RUNOFF COEFICIENTS

0.20 PARK OVER 4 HECTARES
0.25 PARK UNDER 4 HECTARES
0.45 SINGLE FAMILY RESIDENTIAL
0.60 SINGLE FAMILY RESIDENTIAL(LOT FRONT <12.2m)
0.60 SEMI DETACHED RESIDENTIAL
0.60 SHALLOW LOT RESIDENTIAL
0.75 TOWN HOUSES
0.75 APTS AND MED. DENSITY
0.75 SCHOOLS, CHURCHES AND INSTITUTIONS
0.90 INDUSTRIAL AREAS
0.90 COMMERCIAL AREAS
0.90 HEAVILY DEVELOPED AREAS

MANNING'S FORMULA

$$V = \frac{1.0}{N} \times R^{2/3} \times S^{1/2}$$

$$Q = V \times A \ (m^3/sec)$$

CONSULTANT:

PROJECT:

PREPARED BY:

DEVELOPER:

CHECKED BY:

DATE:

PAGE: OF:

ALL DIMENSIONS IN MILLIMETRES AND/OR METRES, DRAWING NOT TO SCALE

THE CORPORATION OF THE TOWN OF AJAX

ENGINEERING SECTION

APPROVED COUNCIL

REVISION No.

DATE 2002

STORM SEWER DESIGN SHEET

DWG. No.

AS-501