Town of East Gwillimbury
Our town, Our future

TOWN OF EAST GWILLIMBURY
SANITARY SEWER DESIGN SHEET

Project / Subdivision _____

Consulting Engineer _____

Project No. _____

Prepared by: _____

Checked by: _____

Last Revised: _____

Design Parameters

As per Section F of Design Standards and Criteria

Design Equations

$M(r) = 1 + \frac{14}{4 + \sqrt{(P)}}$

$Q(i) = i \times j \quad A$

$Q(d) = j \quad (Q(x))$

$M(ind) = 6.6604 * A^{-0.1992}$

$Q(r) = \frac{P * q(r) * M}{86400}$

NOTE: Section F of the Standards and Design Criteria Manual is to be referenced for Maximum Allowable Pipe Capacity

Location					Individual Values						Cumulative Values							Flow Data						Sewer Data						
Street	From		To		Industrial Area	Commercial Area	Institutional Area	Residential Area	Residential Units	Residental Population	Industrial P.F.	Industrial Area	Commercial Area	Institutional Area	Residental P.F.	Residential Area	Residental Population	Industrial Peak Flow (L/s)	Commercial Peak Flow (L/s)	Institutional Peak Flow (L/s)	Population Peak Flow (L/s)	Peak Extraneous Flow (L/s)	Total Design Flow (L/s)	Length	Pipe Size	Type of Pipe	Grade	Full Flow Capacity	Full Flow Velocity	Actual velocity at design flow
	MH #	Inv	MH #	Inv	(ha)	(ha)	(ha)	(ha)	#	cap.	M(ind)	A(ind)	A(c)	A(ins)	M(r)	A(r)	P	Q(ind)	Q(c)	Q(ins)	Q(r)	Q(i)	Q(d)	(m)	(mm)		(%)	(L/s)	(m/s)	(m/s)