| Where | q = average daily per capita flow (450 L/cap.d)
i = unit of peak extraneous flow (0.28 L/ha.s)
M = peaking factor
Q(p) = peak population (L/s)
Q(i) = peak extraneous flow (L/s)
Q(d) = peak design flow (L/s) | Residential Density = 3.5 people per lot
Multi Residential Density = 2.5 people per lot
Resdential Flow = 0.005 l/s/capita |

SANITARY SEWER DESIGN SHEET

$Q(p) = PqM$
86.4
$Q(i) = iA$ where A = area in hectares
$Q(d) = Q(p) + Q(i)$ (L/s)

LOCATION			COMMERCIAL, INDUSTRIAL, INSTITUTIONAL			RESIDENTIAL		CUMULATIVE		Peaking Factor M	Pop. Flow Q(p) (L/s)	Peak Extraneous Q(i) (L/s)	Peak Design Flow (L/s)	PROPOSED SEWER					
Street	From	To	Type	Flow (L/s/ha)	Area (ha)	Pop.	Area (ha)	Pop.	Area (ha)					Length (m)	Pipe Size (mm)	Type of Pipe	Grade %	Capacity (L/s) n=0.013	Full Flow Velocity (m/s)
Street C	SANMH2	SANMH1				155	0.59	155	0.59	4.00	3.23	0.17	3.39	56.2	200	PVC	0.5	22.9	0.73

COBIDE ENGINEERING INC

DESIGN: T. Burnside

Date: January 2022

PROJECT: Walker West Apartments

PROJECT NO.: 02755

SHEET NO.

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