

[illegible]

q = average daily per capita flow (260 L/cap.d) Where i = unit of peak extraneous flow (0.23 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 SF lot Multi-family Density = 33 units per hectare 2.4 people per unit Residential Flow = 0.003 l/s/capita 260 l/day/ capita								SANITARY SEWER DESIGN SHEET					Q(p) = $\frac{PqM}{86.4}$ Q(i) = iA where A = area in hectares Q(d) = Q(p) + Q(i) (L/s)							
LOCATION			COM, IND, INST,			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 (hectares)	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	SANMH9	EXSANMH24A				0	0.00	219	4.01	4.13	2.72	0.92	3.64	12.9	200	PVC	1.01	32.6	1.04	
	EXSANMH24A	Pump Station				1084.6	24.20	1303.6	28.21	3.72	14.56	6.49	21.05	54.9	250	PVC	0.3	32.3	0.66	
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										Date: 2023-05-30				PROJECT NO.: 00703						

