

Wastewater System Review

Project Name

Project Number: 21-112

Date:



Sewershed Areas

Area	Area ID	Total Area (m ²)	Total Area (ha)	Res Units @ 3.35 ppu	Res Units @ 2.25 ppu	Population	Commercial (L/s)	Notes
A	S1	7,888	0.8	10.0		34		
B	S2	15,220	1.5		136.0	306		
C	S3	6,131	0.6	10.0		34		
D	S4	2,475	0.2		136.0	306		
E	S5	18,272	1.8	2.0		7		
F	S6	16,298	1.6		136.0	306		
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		TRIBUTARY AREAS																								
U/S MH	DS MH	Total Area (Ha)	Tot. Pop. "P" People	Domestic Load (L/day)	Average Dry Weather (L/day)	Average Dry Weather (L/s)	Harmon Peaking Factor	Peak Commercial Load (L/day)	Peak Commercial Load (L/s)	Peak Dry Weather (L/day)	Peak Dry Weather (L/s)	Safety Factor	Peak Dry Weather incl SF (L/s)	II Allowance (L/s/Ha)	II Loading (L/s)	Peak Wet Weather (L/s)	Pipe Size (mm)	Approx. Upstream Elevation m	Approx. Downstream Elevation m	Length m	Pipe Slope (%)	Pipe Manning's "n"	Pipe Capacity (L/s)	Percent Full (%)		
N/A	N/A																									
			S1	0.8	34	300	10200	0.12	4.35	0	0.00	44327	0.5	1	0.5	0.28	0.2	0.7	200			50	0.60%	0.010	33.1	2
			S1, S2	2.3	340	300	102000	1.18	4.05	0	0.00	413580	4.8	1	4.8	0.28	0.6	5.4	200			50	0.60%	0.010	33.1	16
			S1, S2, S3	2.9	374	300	112200	1.30	4.04	0	0.00	452823	5.2	1	5.2	0.28	0.8	6.1	200			80	0.60%	0.010	33.1	18
			S1, S2, S3, S4	3.1	680	300	204000	2.36	3.90	0	0.00	795964	9.2	1	9.2	0.28	0.9	10.1	200			80	0.60%	0.010	33.1	30
			S1, S2, S3, S4, S5	4.9	687	300	206100	2.39	3.90	0	0.00	803633	9.3	1	9.3	0.28	1.4	10.7	200			35	0.60%	0.010	33.1	32
			S6	1.6	306	300	91800	1.06	4.07	0	0.00	374065	4.3	1	4.3	0.28	0.4	4.8	200			85	0.60%	0.010	33.1	14

Total Daily Volume 298 m³/day