

SANITARY SEWER COMPUTATION SHEET

JOB NO.: E221073 PROJECT: Distillery Apartments SR 752 - Alternate Design DATE: Nov. 2, 2022
 CONSULTANT: Harral and Stevenson BY: CES Checked: DLS SHEET: 1 of 1

Average Sanitary Flow = 0.0002 C.F.S. Per Person Infiltration = 0.003 C.F.S. Per Acre Peak Factor = 4

Manhole No.	Area Acres	Total Acres	Population			Rates Of Flow - C.F.S.				Pipe Size Inches	Pipe Length Top of Casting		Pipe Inverts			Depth	Slope Percent	Velocity f.p.s	Q c.f.s	Q Percent Full
			Per Acre	Incr.	Total	Average	Peak	Infiltration	Design				down	Jump	up					
107	4.850	4.85	0	126	126	0.025	0.101	0.015	0.1154	8	290.00	713.35	705.58		7.77	0.45	3.36	1.17	9.8	
106	0.000	4.85	0	0	126	0.025	0.101	0.015	0.1154	8	350.00	710.55	704.17	0.10	6.38	0.45	3.35	1.17	9.9	
105	5.050	9.90	0	0	126	0.025	0.101	0.030	0.1305	8	150.00	710.85	702.50	0.10	8.35	0.45	3.35	1.17	11.1	
104	11.510	21.41	0	492	618	0.124	0.494	0.064	0.5586	8	200.00	711.20	701.72	0.10	9.48	0.45	3.35	1.17	47.7	
103	0.000	21.41	0	0	618	0.124	0.494	0.064	0.5586	8	100.00	713.50	700.72	0.10	12.78	0.45	3.35	1.17	47.7	
102	0.000	21.41	0	0	618	0.124	0.494	0.064	0.5586	8	300.00	708.10	700.17	0.10	7.93	0.45	3.35	1.17	47.7	
101	0.000	21.41	0	0	618	0.124	0.494	0.064	0.5586	8	54.00	714.25	698.72	0.10	15.53	0.45	3.35	1.17	47.7	
Ex Mh										24			690.48	8.00	698.48					
109	4.090	4.09	0	360	360	0.072	0.288	0.012	0.3003	8	335.00	715.00	706.40		8.60	0.45	3.35	1.17	25.6	
108	2.820	6.91	0	132	492	0.098	0.394	0.021	0.4143	8	335.00	713.85	704.79	0.10	9.06	0.45	3.35	1.17	35.4	
104													701.72	1.57	703.29					

84 Indicates known population based on number of units and bedrooms (1.5 people per bedroom)