



ADVANCED
CIVIL DESIGN

Density Calculations Ft² People PPA
 Live-Work: 2,978 8 1.333333
 Future Offices: 17,703 45 7.5
 Values less than 10, therefore use 10 for PPA ^
 Area (Ac.): 2.36 10 PPA

City of Columbus Sanitary Sewer Design Sheet
 Project: Penzone Residence Job No.: 24-0047-76
 Date: May 2, 2024 Revised:
 By: Ryan Fowler Revised:

CC-XXXXX
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 n: 0.013
 Infiltration: 0.003 cfs per acre
 Average flow: 0.0002 cfs per person

M.H. #	Struc. Index	Sta.	Area (Ac)		Population			Design Flow Data					Sewer Data						Pipe/Structure Data								
			Trib	Cumul.	Density	Pop	Cumul	Avg	Pk Fact	Peak	Infil	Des Q	Length	Diam	Slope %	Vel	Cap	% Full	Status	Drop	Out	In	Depth	TC			
2		3+95.00	2.72	2.72	10	27	27	0.005	3.50	0.02	0.008	0.03													8.40	892.70	
			0.00		0	0							300.00	8	0.45%	2.32	0.81	3.4%	OK		884.30	884.30					
1		0+95.00	0.00	2.72	10	0	27	0.005	3.50	0.02	0.008	0.03												9.73	892.58		
			0.00		0	0							95.00	8	0.45%	2.32	0.81	3.4%	OK		882.85	882.95					
12		0+00.00	0.00	2.72	10	0	27	0.005	3.50	0.02	0.008	0.03												10.39	892.71		
			0.00		0	0								8	0.31%	1.93	0.67	4.0%	OK		882.32	882.42					