EMH&T
Engineers, Surveyors, Planners, Scientists

SANITARY SEWER COMPUTATION SHEET

Project: Avondale Woods Section 3 CC-20322
Job No.: 2023-0604

Date: 5/23/24
By: CRL
Checked:
Revised:

SHT 1

Average Sanitary Flow: 0.0002 cfs per person @ 130 gpd infiltration: 0.0030 cfs per acre Peak Factor: Columbus

M.H. #	Struc. Index	Station	Area (Acres) Trib.	Area (Acres) Total	Population Per Ac.	Population Incr.	Population Total	Rates of Flow (C.F.S.) Avg	PF	Peak	Infil	Design	Sewer Data (n = 0.013) Length	Size	Slope %	V fps.	Q cfs.	Q %Full	Inverts In	Out	TC
5	MH4	10+02.48	1.00		9	9.0	9.0	0.002	3.5	0.006	0.003	0.01							924.31	924.31	934.60
Manhole Type C			0.00	1.00	9								94.42	8	0.70%	2.9	1.0	0.9%			
AA-S102																					
4	MH4	9+08.06	3.50		9	31.5	40.5	0.008	3.5	0.03	0.014	0.04							923.55	923.65	935.20
Manhole Type C			0.00	4.50	9								238.00	8	0.45%	2.3	0.8	5.2%			
AA-S102																					
3	MH4	6+70.06	4.40		9	39.6	80.1	0.016	3.5	0.06	0.027	0.08							922.38	922.48	935.40
Manhole Type C			0.00	8.90	9								213.00	8	0.45%	2.3	0.8	10.2%			
AA-S102																					
2	MH4	4+57.06	0.40		9	3.6	83.7	0.017	3.5	0.06	0.028	0.09							921.32	921.42	935.60
Manhole Type C			0.00	9.30	9								167.07	8	0.45%	2.3	0.8	10.7%			
AA-S102																					
1	MH4	2+89.99	2.00		9	18.0	101.7	0.020	3.5	0.07	0.034	0.11							920.47	920.57	935.30
Manhole Type C			0.00	11.30	9								289.99	8	0.45%	2.3	0.8	13.0%			
AA-S102																					
Ex 10	MH0	0+00.00	0.00		9	0.0	101.7	0.020	3.5	0.07	0.034	0.11							919.07	919.17	935.40
Existing Manhole			0.00	11.30	9									8	0.45%	2.3	0.8	13.0%	(FO)		(ATG)
		0																			

24 units @ 3.5 people per unit to proposed system. (2 units to Hayden Run Trunk)
Tributary Area = 11.30
24x3.5/11.3 = 7.43 people/acre
9 was used previously in sections 1 & 2 of this developement.