EMH&T
Engineers, Surveyors, Planners, Scientists

SANITARY SEWER COMPUTATION SHEET

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

Date: 4/4/24
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	Inverts Out	Inverts TC
5	MH4	10+02.48	0.50		9	4.5	4.5	0.001	3.5	0.003	0.002	0.00							924.07	924.07	934.60
Manhole Type C			0.00	0.50	9								94.42	8	0.45%	2.3	0.8	0.6%			
AA-S102																					
4	MH4	9+08.06	1.90		9	17.1	21.6	0.004	3.5	0.02	0.007	0.02							923.55	923.65	935.20
Manhole Type C			0.00	2.40	9								238.00	8	0.45%	2.3	0.8	2.8%			
AA-S102																					
3	MH4	6+70.06	1.40		9	12.6	34.2	0.007	3.5	0.02	0.011	0.04							922.38	922.48	935.40
Manhole Type C			0.00	3.80	9								213.00	8	0.45%	2.3	0.8	4.4%			
AA-S102																					
2	MH4	4+57.06	0.40		9	3.6	37.8	0.008	3.5	0.03	0.013	0.04							921.32	921.42	935.60
Manhole Type C			0.00	4.20	9								167.07	8	0.45%	2.3	0.8	4.8%			
AA-S102																					
1	MH4	2+89.99	2.00		9	18.0	55.8	0.011	3.5	0.04	0.019	0.06							920.47	920.57	935.30
Manhole Type C			0.00	6.20	9								289.99	8	0.45%	2.3	0.8	7.1%			
AA-S102																					
10	MH0	0+00.00	0.00		9	0.0	55.8	0.011	3.5	0.04	0.019	0.06							919.07	919.17	935.40
Existing Manhole			0.00	6.20	9									8	0.45%	2.3	0.8	7.1%	(FO)		(ATG)
		0																			