

**NORWOOD MULTI-FAMILY DEVELOPMENT
SANITARY PIPE CAPACITY CALCULATIONS**



Client: Vista Residential Partners
Project: Norwood Multi-Family
AKS Job No.: 8723
Date: 12/16/2022
Done By: AMC

Post-Developed Private System Flow Calculations		
Peak Daily Flow (GPM)	I/I (GPM)	PWWF (GPM)
38.33	25.53	109.86

CONDUIT ID	PIPE INFO			SCENARIO										
	SIZE (IN)	SLOPE (FT/FT)	PIPE CAPACITY	EXISTING		2025			2035			FULL BUILDOUT		
				MODEL	REMAINING CAPACITY	MODEL	MODEL + PWWF	REMAINING CAPACITY	MODEL	MODEL + PWWF	REMAINING CAPACITY	MODEL	MODEL + PWWF	REMAINING CAPACITY
98435	8	0.0435	1130.87	6.52	1124.35	6.73	116.59	1014.28	6.73	116.59	1014.28	6.73	116.59	1014.28
98691	8	0.0474	1181.41	9.38	1172.03	9.74	119.60	1061.81	9.74	119.60	1061.81	9.74	119.60	1061.81
98690	8	0.0121	595.91	13.80	582.11	14.24	124.10	471.81	14.24	124.10	471.81	14.24	124.10	471.81
98685	8	0.0077	474.31	19.09	455.22	19.70	129.56	344.75	19.70	129.56	344.75	19.70	129.56	344.75
98689	8	0.0029	291.02	16.06	274.96	16.60	126.46	164.56	16.60	126.46	164.56	16.60	126.46	164.56
98688	8	0.0046	368.24	8.44	359.80	8.92	118.78	249.46	8.92	118.78	249.46	8.92	118.78	249.46
98686	8	0.0038	334.93	2.76	332.17	3.04	112.90	222.03	3.04	112.90	222.03	3.04	112.90	222.03
98687	8	0.0052	389.34	0.53	388.81	0.64	110.50	278.84	0.64	110.50	278.84	0.64	110.50	278.84
98314	8	0.0066	439.46	40.13	399.33	42.97	152.83	286.63	42.97	152.83	286.63	42.97	152.83	286.63
98957	8	0.0041	347.77	40.62	307.15	43.37	153.23	194.54	43.37	153.23	194.54	43.37	153.23	194.54
99426	8	0.0440	360.63	40.12	320.51	43.04	152.90	207.73	43.04	152.90	207.73	43.04	152.90	207.73
99427	8	0.0072	459.06	33.89	425.17	37.13	146.99	312.07	37.13	146.99	312.07	37.13	146.99	312.07
99041	8	0.0042	352.57	35.39	317.18	39.02	148.88	203.69	39.02	148.88	203.69	39.02	148.88	203.69
99040	8	0.0039	336.61	16.82	319.79	19.17	129.03	207.58	19.17	129.03	207.58	19.17	129.03	207.58
99408	8	0.0483	1192.08	11.65	1180.43	13.48	123.34	1068.74	13.48	123.34	1068.74	13.48	123.34	1068.74
98951	8	0.0047	370.07	5.36	364.71	6.74	116.60	253.47	6.74	116.60	253.47	6.74	116.60	253.47
98594	8	0.0070	452.22	18.01	434.21	19.92	129.78	322.44	19.92	129.78	322.44	19.92	129.78	322.44
98593	8	0.0060	420.11	15.44	404.67	16.64	126.50	293.61	16.64	126.50	293.61	16.64	126.50	293.61
98596	8	0.0058	411.38	14.82	396.56	15.83	125.69	285.69	15.83	125.69	285.69	15.83	125.69	285.69
98592	8	0.0585	1312.35	22.84	1289.51	24.13	133.99	1178.36	24.13	133.99	1178.36	24.13	133.99	1178.36
98290	8	0.0273	896.20	22.61	873.59	23.84	133.70	762.50	23.84	133.70	762.50	23.84	133.70	762.50
1706	10	0.0096	964.40	26.36	938.04	27.57	137.43	826.97	27.57	137.43	826.97	27.57	137.43	826.97
1705	12	0.0034	935.23	34.45	900.78	34.45	144.31	790.92	34.45	144.31	790.92	34.45	144.31	790.92

MODEL = RESULTANT FLOW FROM CITY INFOSWMM MODEL

MODEL + AWWF = MODEL + POST-DEVELOPED PWWF

REMAINING CAPACITY = PIPE CAPACITY - (MODEL + PWWF)