

TABLE 1: SANITARY SEWER COMPUTATION SHEET

JOB NO. : 20020477		PROJECT: HAYDEN RUN SANITARY SEWER										DATE : 01/08/03				
CONSULTANT : EVANS, MECHWART, HAMBLETON & TILTON, INC.												BY : KTR			SHEET : 1 of 1	
Manhole No.	Area Acres	Total Acres	Population			Avg. San. Flow	Peak Factor	Sanitary Flow - cfs				Pipe Size in.	Slope %	Velocity fps	Q cfs	Q % full
			Per. Ac.	Incr.	Total			Average	Peak	Infiltr.	Design					
HAYDEN RUN																
8	60.0	60.0	10.0	600	600	0.0002	3.93	0.1200	0.4719	0.1800						
											0.6519	10	0.50	2.84	1.55	42.1
7	121.0	181.0	10.0	1210	1810	0.0002	3.62	0.3620	1.3101	0.5430						
											1.8531	18	0.16	2.38	4.20	44.1
6	194.0	375.0	10.0	1940	3750	0.0002	3.36	0.7500	2.5187	1.1250						
											3.6437	21	0.16	2.64	6.34	57.5
5	200.0	575.0	10.0	2000	5750	0.0002	3.19	1.1500	3.6664	1.7250						
											5.3914	24	0.16	2.88	9.05	59.6
4	246.0	821.0	10.0	2460	8210	0.0002	3.04	1.6420	4.9904	2.4630						
											7.4534	24	0.45	4.83	15.18	49.1
3	104.0	925.0	10.0	1040	9250	0.0002	2.99	1.8500	5.5283	2.7750						
											8.3033	24	0.45	4.83	15.18	54.7
2	317.0	1242.0	10.0	3170	12420	0.0002	2.86	2.4840	7.1059	3.7260						
											10.8319	24	1.40	8.52	26.77	40.5
1	234.0	1476.0	10.0	2340	14760	0.0002	2.79	2.9520	8.2222	4.4280						
											12.6502	30	0.20	3.74	18.34	69.0
EX. 3	0.0	1476.0	10.0	0	14760	0.0002	2.79	2.9520	8.2222	4.4280						
CC-10985											12.6502	30	0.20	3.74	18.34	69.0