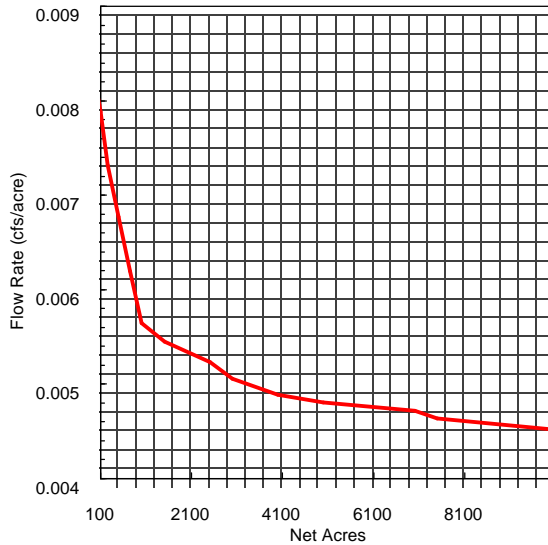


Future Flow Criteria

Percent	Zone	Description	Density (Units/ Acre)	Equivalent Capita/ Unit	Equivalent Capita/ Acre	Capita Usage (gpcd)	Average WWP (gapd)	Infil- tration (gpad)	Inflow Coeff. "K"
0.0%		Low Density Residential							
58.8%		Medium Density Residential	4.5	3.5	15.75	68.3	1076	400	0.0030
0.0%		High Density Residential							
13.5%		Office & Commercial	3.335	15	50.025	15	750	400	0.0030
23.7%		Light/Med Industry	1	1	1	1250	1250	400	0.0030
0.0%		Heavy Industry							
2.0%		Public	3.335	5	16.675	15	250	400	0.0030
2.1%		School	0.2	500	100	25	2500	400	0.0030
0.0%		Agricultural/ Park							
100%		Average(weighted)	3.40	14.92	18.68	339.26	1088	400	0.00

Acres	Design Curve Data					
	Tc (min.)	5-Year i (in/hr)	WWP Peaking F	Design Flow		
				cfs/acre	cfs	mgd
1	60	1.40	2.00	0.00819	0.008	0.005
10	60	1.40	2.00	0.00819	0.082	0.053
25	60	1.40	1.95	0.00811	0.203	0.131
50	60	1.40	1.91	0.00803	0.402	0.260
75	60	1.40	1.86	0.00796	0.597	0.386
100	60	1.40	1.82	0.00788	0.788	0.509
250	75	1.24	1.77	0.00732	1.830	1.183
500	90	1.08	1.73	0.00677	3.387	2.189
750	100	0.91	1.69	0.00620	4.647	3.003
1000	120	0.75	1.65	0.00565	5.648	3.651
1500	135	0.70	1.62	0.00545	8.177	5.285
2500	150	0.65	1.58	0.00523	13.082	8.455
3000	165	0.60	1.57	0.00506	15.179	9.811
4000	180	0.55	1.55	0.00489	19.547	12.634
5000	195	0.53	1.54	0.00480	24.019	15.524
7000	210	0.51	1.53	0.00472	33.046	21.359
7500	225	0.49	1.51	0.00464	34.784	22.482
10000	240	0.46	1.50	0.00452	45.249	29.246

Design Curve



Design Curve

Fountain Sanitation District
Fountain, Colorado
Sanitary Sewer Collection
Master Plan

Figure 3-4