

TABLE 2 - SEWER CAPACITY SUMMARY

POC	Pipe Segment	Contributing Areas	Pipe Diameter	Existing or Proposed Pipe	Pipe Slope*	Pipe Capacity**		Cumulative Contributing Flow [CFS]	Cumulative Contributing Flow [MGD]	Capacity?	Normal Depth [FT]	Depth?	Velocity [FT/S]	Velocity?
						(cfs)	(MGD)							
POC #1	A to A1	Mixed Use	8	Proposed	2.00%	0.770	0.50	0.01	0.01	SUFFICIENT	0.04	SUFFICIENT	1.03	NO****
	A1 to A2	1/2 Food Service	8	Proposed	0.40%	0.340	0.22	0.06	0.04	SUFFICIENT	0.14	SUFFICIENT	1.14	NO****
	A2 to A3	1/2 Food Service	8	Proposed	0.40%	0.340	0.22	0.10	0.07	SUFFICIENT	0.18	SUFFICIENT	1.35	NO****
POC#2	B to B1	2/10 Arena	8	Proposed	1.00%	0.540	0.35	0.14	0.09	SUFFICIENT	0.17	SUFFICIENT	2.06	SUFFICIENT
NODE B2	B1 to B2	Manufacturing	8	Existing	0.88%	0.510	0.33	0.25	0.16	SUFFICIENT	0.23	SUFFICIENT	2.38	SUFFICIENT
NODE C1	C to C1	80% Arena, Parking Structure, Practice Facility, Office Space	12	Proposed	0.24%	0.830	0.54	0.77	0.50	SUFFICIENT	0.48	SUFFICIENT	2.07	SUFFICIENT
POC #3	C1 to C2†	Existing Residential, Commercial	12	Proposed†	0.24%	0.830	0.54	0.83	0.54	SUFFICIENT	0.50	SUFFICIENT	2.11	SUFFICIENT
POC #4	D to D1	Hotel	8	Proposed	2.00%	0.770	0.50	0.07	0.05	SUFFICIENT	0.10	SUFFICIENT	2.08	SUFFICIENT
NODE B2	D1 to B2	Existing Residential, Commercial	8	Existing	0.40%	0.340	0.22	0.21	0.14	SUFFICIENT	0.25	SUFFICIENT	1.72	NO****
POC#5	A4 to POC#5	Offsite Mixed Use	8	Proposed	0.40%	0.340	0.22	0.06	0.04	SUFFICIENT	0.14	SUFFICIENT	1.14	NO****
						TOTAL		1.08	0.70					
								CFS	MGD					
*Assumed pipe slopes are minimum allowed for proposed pipe size. Based on site grading pipe slopes can be steeper.														
**Proposed sewer pipe design capacity was calculated as 1/2 full for pipe diameters of 12" or lower, and 3/4 full for pipe diameters of 15" or higher														
***For pipe segments that have already been constructed, calculations were based on the minimum constructed slopes / sizes														
****Velocities for these pipes are above 1.0 ft/s per Kutter's Formula calculations														
†Existing line to be removed and reconstructed with new line, size as shown on table, please note 0.04 MGD = 0.062 CFS is existing flow from sewer monitoring result														