

**DESIGN FLOW CALCULATIONS  
FOR  
Market Street Center  
PEI 210204**

**Sanitary Flow Calculations**

	Office		
	Acres	Flow (CFS / Acre)	Sanitary (CFS)
Lot 1 - Commercial	1.85	0.03	0.056
Lot 2 - Commercial	2.58	0.03	0.077
<b>Total</b>	<b>4.43</b>		<b>0.133</b>

Design Flow Rate per Figure 6501-1 of Section 6500 - Sanitary Sewers, City of Lee's Summit Missouri, Design Criteria

**Sanitary Sewer Calculations**

Uptstream Manhole	Downstream Manhole	Design Flow (cfs)	Pipe Size (inches)	Slope (ft/ft)	Pipe Capacity (cfs)	% Capacity (%)	Full Flow Velocity ft/sec
A-1	Ex. MH	0.1329	8	0.0100	1.22	10.9	3.5

