

Location / Street	Capacity <sup>(1)</sup> (mgd)	Existing Peak Flow			Projected Peak Flow		
		(mgd)	% of Capacity	Sufficient (yes/no)	(mgd)	% of Capacity	Sufficient (yes/no)
Pawcatuck District							
1) Interceptor from Pumping Station No. 3 to Interstate I-95							
River Road	7.10	1.64	23%	Yes	2.93	41%	Yes
Mechanic Street	3.06	1.51	49%	Yes	2.70	88%	No
Mechanic Street	4.23	0.92	22%	Yes	1.53	36%	Yes
Liberty Street	3.28	0.38	12%	Yes	0.88	27%	Yes
Cross-country along Pawcatuck River	2.33	0.38	16%	Yes	0.88	38%	Yes
Cross-country along Pawcatuck River and along Stillman Avenue	1.54	0.36	23%	Yes	0.85	55%	Yes
River Street / Antoinette Street / West Arch Street	6.36	0.32	5%	Yes	0.80	13%	Yes
West Arch Street	3.13	0.28	9%	Yes	0.75	24%	Yes
Liberty Street	2.88	0.26	9%	Yes	0.74	26%	Yes
Liberty Street	2.42	0.14	6%	Yes	0.59	24%	Yes
2) Interceptor along Mary Hall Rd. and Greenhaven Rd. from P.S. No. 3							
Mary Hall Road	0.44	0.04	9%	Yes	0.40	91%	No
Greenhaven Road	0.52	0.04	8%	Yes	0.40	77%	Yes
3) Mystic Avenue from River Road to Pawcatuck Avenue							
Mystic Avenue / Trumbull Street / Pawcatuck Avenue	0.62	0.09	15%	Yes	0.11	18%	Yes
Pawcatuck Avenue	0.68	0.05	7%	Yes	0.06	9%	Yes
4) Clark Street and cross-country from River Road to Pumping Station No. 2							
Clark Street	7.21	0.57	8%	Yes	1.14	16%	Yes
Cross-country	3.43	0.57	17%	Yes	1.13	33%	Yes
Cross-country	7.20	0.57	8%	Yes	1.13	16%	Yes
Cross-country	3.72	0.57	15%	Yes	1.13	30%	Yes

**Table 4-7**  
**Peak Wastewater Flows vs.**  
**Estimated Sewer Hydraulic Capacities**  
**Pawcatuck District**

Location / Street	Capacity <sup>(1)</sup> (mgd)	Existing Peak Flow			Projected Peak Flow		
		(mgd)	% of Capacity	Sufficient (yes/no)	(mgd)	% of Capacity	Sufficient (yes/no)
5) Interceptor along Spellman Drive and South Broad Street (US Route 1)							
Spellman Drive	1.26	0.45	36%	Yes	0.93	74%	Yes
Spellman Drive	1.75	0.45	26%	Yes	0.93	53%	Yes
South Broad Street	0.49	0.13	27%	Yes	0.34	69%	Yes
South Broad Street	1.55	0.09	6%	Yes	0.29	19%	Yes
6) Cross-country Interceptor from Spellman Drive to force main from Extrusion Drive P.S.							
Cross-country	2.34	0.23	10%	Yes	0.30	13%	Yes
Cross-country	0.71	0.23	32%	Yes	0.30	42%	Yes
7) Constitution Avenue from Extrusion Drive P.S. to South Broad Street							
Constitution Avenue / Oriole Street / Wren Street	0.62	0.06	10%	Yes	0.23	37%	Yes
8) Interceptor along Burdick Lane from P.S. No. 1 to West Broad Street							
Burdick Lane / Cross-country	1.45	0.22	15%	Yes	0.26	18%	Yes
Cross-country / Locust Street / Williams Street	1.25	0.22	18%	Yes	0.26	21%	Yes
Palmer Street / Courtland Street	0.75	0.15	20%	Yes	0.18	24%	Yes
ROW	0.99	0.07	7%	Yes	0.08	8%	Yes
Mayflower Avenue / South Broad Street	0.75	0.05	7%	Yes	0.06	8%	Yes
ROW	0.49	0.01	2%	Yes	0.02	4%	Yes
9) West Broad Street from Liberty Street to Wilcox Manor							
West Broad Street	1.09	0.13	12%	Yes	0.16	15%	Yes
West Broad Street	1.03	0.13	13%	Yes	0.16	16%	Yes

**Notes:**

1.) The pipe capacities listed are minimums for each segment, and are based on non-surcharged gravity flow.

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**Estimated Sewer Hydraulic Capacities**  
**Pawcatuck District**