

Pipe Capacity Evaluation
Northwest Interceptor

Pipe Information				Pipe Capacity		Pipe Flow		
Segment	Size (inches)	Length (feet)	Slope (ft/ft)	Full Flow (mgd)	75% Flow (mgd)	Case 1 (mgd)	Case 2 (mgd)	Case 3 (mgd)
P-NW-71	14	197.5	0.040	6.04	5.51	0.05	0.06	0.16
P-NW-70	14	162	0.022	4.47	4.07	0.05	0.06	0.16
P-NW-69	14	247.7	0.005	2.05	1.87	0.05	0.06	0.16
P-NW-68	14	161	0.004	1.82	1.66	0.05	0.06	0.16
P-NW-67	14	38.5	0.004	1.94	1.77	0.05	0.06	0.16
P-NW-66	14	31	0.005	2.23	2.03	0.05	0.06	0.16
P-NW-65	14	208.2	0.011	3.15	2.87	0.05	0.06	0.16
P-NW-64	14	153.5	0.037	5.83	5.31	0.05	0.06	0.16
P-NW-63	14	255.9	0.007	2.53	2.31	0.05	0.06	0.16
P-NW-62	14	101.2	0.021	4.41	4.02	0.05	0.06	0.16
P-NW-61	14	78.8	0.034	5.53	5.04	0.05	0.06	0.16
P-NW-60	20	257.1	0.005	5.23	4.77	0.10	0.15	0.40
P-NW-59	20	136.4	0.004	4.95	4.51	0.10	0.15	0.40
P-NW-58	20	146	0.005	5.32	4.85	0.10	0.15	0.40
P-NW-57	20	300.3	0.004	4.86	4.44	0.10	0.15	0.40
P-NW-56	20	299.9	0.004	4.76	4.34	0.10	0.15	0.40
P-NW-55	20	200.6	0.020	10.98	10.01	0.10	0.17	0.43
P-NW-54	20	324.9	0.013	9.00	8.20	0.11	0.18	0.45
P-NW-53	20	319.9	0.004	4.69	4.28	0.11	0.18	0.45
P-NW-52	20	306.7	0.003	4.60	4.20	0.11	0.18	0.45
P-NW-51	20	252.9	0.004	4.70	4.29	0.11	0.18	0.45
P-NW-50	20	301	0.005	5.43	4.95	0.11	0.18	0.45
P-NW-49	24	183.7	0.003	7.30	6.66	0.11	0.18	0.45
P-NW-48	24	341	0.003	6.72	6.13	0.11	0.18	0.45
P-NW-47	24	378.2	0.002	6.32	5.76	0.11	0.18	0.45
P-NW-46	24	183.1	0.002	6.00	5.47	0.15	0.22	0.55
P-NW-45	24	104	0.002	5.96	5.43	0.15	0.22	0.55
P-NW-44	24	194.1	0.003	6.74	6.15	0.15	0.22	0.55
P-NW-43	24	596.1	0.001	4.55	4.15	0.15	0.22	0.55
P-NW-42	24	134.9	0.006	9.76	8.90	0.15	0.22	0.55
P-NW-41	24	72.1	0.004	8.17	7.45	0.18	0.28	0.71
P-NW-40	24	578.7	0.001	4.74	4.32	0.18	0.28	0.71
P-NW-39	24	130.5	0.003	6.93	6.32	0.18	0.28	0.71
P-NW-38	24	229.2	0.003	7.20	6.57	0.22	0.32	0.82
P-NW-37	24	247.8	0.003	6.34	5.78	0.22	0.32	0.82
P-NW-36	24	81	0.034	23.22	21.17	0.22	0.32	0.82
P-NW-35	24	305.3	0.006	9.57	8.72	0.28	0.38	0.98
P-NW-34	24	105	0.004	8.48	7.73	0.30	0.40	1.02
P-NW-33	24	163	0.004	8.12	7.41	0.30	0.40	1.02
P-NW-32	24	286.7	0.003	6.69	6.10	0.30	0.40	1.02
P-NW-31	24	269.7	0.003	7.32	6.67	0.30	0.40	1.02

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P-NW-30	24	181	0.004	8.42	7.68	0.30	0.40	1.02
P-NW-29	24	290.7	0.002	6.13	5.59	0.30	0.40	1.02
P-NW-28	24	401.4	0.003	6.87	6.26	0.48	0.63	1.63
P-NW-27	24	117.3	0.059	30.66	27.96	0.48	0.63	1.63
P-NW-26	24	114.3	0.004	7.95	7.25	0.48	0.63	1.63
P-NW-25	24	299.7	0.006	9.43	8.60	0.48	0.63	1.63
P-NW-24	24	224.3	0.006	10.19	9.29	0.48	0.63	1.63
P-NW-23	24	294.2	0.006	10.02	9.14	0.48	0.63	1.63
P-NW-22	24	107.3	0.005	9.07	8.27	0.48	0.63	1.63
P-NW-21	24	120	0.007	10.66	9.72	0.48	0.63	1.63
P-NW-20	24	67.9	0.006	9.60	8.76	0.48	0.63	1.63
P-NW-19	24	291	0.005	8.50	7.75	0.48	0.63	1.63
P-NW-18	24	233.6	0.005	9.12	8.32	0.48	0.63	1.63
P-NW-17	24	93.2	0.006	10.17	9.27	0.48	0.63	1.63
P-NW-16	24	21.1	0.005	9.15	8.34	0.48	0.63	1.63
P-NW-15	24	176.4	0.005	9.05	8.25	0.48	0.63	1.63
P-NW-14	24	199.5	0.005	9.06	8.26	0.48	0.63	1.63
P-NW-13	24	251	0.006	9.70	8.84	0.48	0.63	1.63
P-NW-12	24	92	0.005	9.15	8.35	0.48	0.63	1.63
P-NW-11	24	64.9	0.005	8.76	7.99	0.48	0.63	1.63
P-NW-10	24	120.2	0.008	11.03	10.05	0.48	0.63	1.63
P-NW-9	24	47.8	0.009	11.74	10.70	0.48	0.63	1.63
P-NW-8	24	93.6	0.012	13.86	12.64	0.48	0.63	1.63
P-NW-7	24	124.4	0.015	15.58	14.20	0.48	0.63	1.63
P-NW-6	24	97.8	0.014	15.00	13.68	0.48	0.63	1.63
P-NW-5	24	22.3	0.026	20.26	18.47	0.80	0.96	2.40
P-NW-4	24	270.2	0.007	10.76	9.82	0.80	0.96	2.40
P-NW-3	24	243.5	0.009	11.93	10.88	0.80	0.96	2.40
P-NW-2	24	18	0.033	23.13	21.10	0.80	0.96	2.40
P-NW-1	30	180.7	0.001	10.89	9.93	0.80	0.96	2.40

Case 1: Torrington Present ADF Calculated By Zone
Case 2: Torrington Future Build-out ADF Calculated By Zone
Case 3: Torrington Future Build-out Peak Hourly

Flow meters were installed in the yellow highlighted pipe segments

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