

# **APPENDIX I**

## **PIPE DATA**

\*The term "NEW" in a Link ID does not reflect the age or condition of the actual link. It is modeling nomenclature only.

Zone 5 West Existing Pipes

Link ID*	From Node	To Node	County Grid #	Length (ft)	Manning's N	Shape	Max Depth (ft)	Bottom Width (ft)	Max Q (cfs)			
									5Yr	10Yr	25Yr	100Yr
NEW_Z5_CHANNEL_6201	NEW_Z5_IL_6202	Z5_MH_5132	H4	113	0.025	Trapezoidal	4.00	1.00	9.8	6.1	8.1	10.7
NEW_Z5_PIPE_1425	Z5_IL_2313	Z5_IL_2314	L3	75	0.015	Circular	1.75	-	10.2	12.1	12.5	13.0
NEW_Z5_PIPE_1861	NEW_Z5_IL_3219	Z5_IL_1891	H3	247	0.015	Circular	1.50	-	1.4	1.6	1.9	2.4
NEW_Z5_PIPE_2027	NEW_Z5_MH_2027	NEW_Z5_MH_6025	L3	112	0.015	Circular	1.50	-	9.9	10.3	10.7	11.5
NEW_Z5_PIPE_2028	NEW_Z5_IL_2028	NEW_Z5_MH_2027	L3	52	0.015	Circular	1.50	-	1.1	7.2	7.3	6.6
NEW_Z5_PIPE_2029	NEW_Z5_IL_2029	NEW_Z5_IL_2028	L3	34	0.015	Circular	1.00	-	1.1	6.4	6.7	5.9
NEW_Z5_PIPE_2030	NEW_Z5_IL_2030	NEW_Z5_MH_2027	L3	28	0.015	Circular	1.00	-	0.2	4.5	5.6	4.7
NEW_Z5_PIPE_2117	Z5_MH_4082	NEW_Z5_MH_4083	F4	119	0.024	Circular	1.50	-	7.1	7.3	7.6	8.1
NEW_Z5_PIPE_2695	Z5_IL_4926	NEW_Z5_IL_6001	F3	147	0.015	Circular	1.50	-	9.0	10.9	13.3	14.9
NEW_Z5_PIPE_5674	Z5_IL_2962	Z5_IL_4926	F3	139	0.015	Circular	1.50	-	6.1	7.4	8.9	9.1
NEW_Z5_PIPE_6000	NEW_Z5_IL_6000	NEW_Z5_MH_6000	J2	11	0.015	Circular	2.50	-	4.0	4.7	5.7	7.1
NEW_Z5_PIPE_6001	NEW_Z5_MH_6000	NEW_Z5_MH_6001	J2	76	0.015	Circular	2.50	-	4.0	4.7	5.7	7.3
NEW_Z5_PIPE_6002	NEW_Z5_MH_6001	Z5_MH_3966	J2	127	0.015	Circular	2.50	-	4.0	4.7	5.6	7.9
NEW_Z5_PIPE_6003	Z5_MH_3971	Z5_CB_111	J2	227	0.015	Circular	2.75	-	31.9	39.1	46.8	53.3
NEW_Z5_PIPE_6004	NEW_Z5_MH_4083	NEW_Z5_OF_6000	F4	566	0.024	Circular	1.50	-	7.1	7.3	7.6	8.1
NEW_Z5_PIPE_6005	NEW_Z5_IL_6003	Z5_MH_5133	H4	169	0.015	Circular	3.00	-	31.2	36.1	42.8	52.8
NEW_Z5_PIPE_6006	NEW_Z5_IL_6001	NEW_Z5_OF_6002	F3	12	0.015	Circular	1.50	-	9.0	10.9	13.3	14.9
NEW_Z5_PIPE_6010	NEW_Z5_IL_6011	Z5_MH_4387	L4	36	0.015	Circular	1.50	-	0.0	0.0	0.0	0.0
NEW_Z5_PIPE_6011	Z5_MH_4387	Z5_SGMH_4875	L4	3	0.015	Circular	1.50	-	2.9	4.0	5.4	7.6
NEW_Z5_PIPE_6012	Z5_SGMH_4875	NEW_Z5_OF_6012	M4	16	0.015	Circular	1.50	-	2.9	4.0	5.4	7.6
NEW_Z5_PIPE_6013	Z5_SGMH_4877	NEW_Z5_MH_6015	L1	5	0.015	Circular	1.00	-	0.0	0.2	0.2	0.2
NEW_Z5_PIPE_6014	Z5_SGMH_4876	NEW_Z5_MH_6015	L1	5	0.015	Circular	1.00	-	0.0	0.2	0.2	0.2
NEW_Z5_PIPE_6015	NEW_Z5_MH_6015	Z5_OF_5014	L1	10	0.015	Circular	1.00	-	8.5	11.1	13.0	13.9
NEW_Z5_PIPE_6020	NEW_Z5_MH_6021	Z5_MH_4333	K3	280	0.015	Circular	1.50	-	12.0	13.3	14.1	14.8
NEW_Z5_PIPE_6021	NEW_Z5_IL_6020	NEW_Z5_MH_6021	K3	23	0.015	Circular	1.00	-	0.0	0.0	0.1	0.3
NEW_Z5_PIPE_6022	NEW_Z5_IL_6022	NEW_Z5_MH_6021	K3	6	0.015	Circular	1.00	-	0.0	0.0	0.1	0.3
NEW_Z5_PIPE_6023	NEW_Z5_MH_6023	NEW_Z5_MH_6021	K3	273	0.015	Circular	1.50	-	9.8	10.1	10.3	10.3
NEW_Z5_PIPE_6024	NEW_Z5_MH_6025	NEW_Z5_MH_6023	L3	387	0.015	Circular	1.50	-	9.8	10.1	10.3	10.3
NEW_Z5_PIPE_6025	NEW_Z5_IL_6024	NEW_Z5_MH_6025	L3	23	0.015	Circular	1.00	-	0.2	4.9	3.3	4.1
NEW_Z5_PIPE_6026	NEW_Z5_IL_6026	NEW_Z5_MH_6025	L3	3	0.010	Circular	1.00	-	0.8	7.7	8.3	10.0
NEW_Z5_PIPE_6100	TREMONT_STORE	Z5_IL_2176	M2	10	0.015	Circular	1.00	-	0.0	0.0	0.0	0.0
NEW_Z5_PIPE_6101	NEW_Z5_MH_6102	NEW_Z5_IL_6100	M2	3	0.015	Circular	2.00	-	0.0	0.0	0.0	0.0
NEW_Z5_PIPE_6102	NEW_Z5_IL_6100	Z5_IL_2829	M2	66	0.015	Circular	3.00	-	14.9	18.3	22.6	25.6
NEW_Z5_PIPE_6103	NEW_Z5_MH_6104	TREMONT_STORE	M2	5	0.010	Rectangular	10.00	10.00	0.0	0.0	0.0	0.0
NEW_Z5_PIPE_6104	Z5_IL_3704	STOR-10	F4	10	0.015	Trapezoidal	2.50	7.00	0.0	1.1	57.7	94.6
NEW_Z5_PIPE_6200	NEW_Z5_IL_6200	NEW_Z5_IL_6202	H4	41	0.025	Circular	1.00	-	2.6	3.3	4.3	5.4
NEW_Z5_PIPE_6600	NEW_Z5_IL_6601	NEW_Z5_IL_6600	L2	18	0.015	Circular	1.00	-	0.8	0.9	1.1	1.4
NEW_Z5_PIPE_6601	NEW_Z5_IL_6600	Z5_MH_4331	L2	475	0.015	Circular	1.50	-	0.8	0.9	1.1	1.4
Z5_CHANNEL_10	Z5_CB_445	Z5_MH_5573	H2	481	0.025	Triangular	1.70	10.00	9.5	12.1	15.8	19.6
Z5_CHANNEL_109	Z5_OF_4516	Z5_OF_4421	G3	22	0.025	Trapezoidal	5.00	2.00	0.9	1.2	1.5	2.0
Z5_CHANNEL_110	Z5_OF_4421	Z5_IL_4949	G3	31	0.025	Trapezoidal	5.00	2.00	1.1	1.4	1.8	2.3
Z5_CHANNEL_111	Z5_OF_4536	Z5_IL_4947	H4	102	0.015	Trapezoidal	5.00	2.00	25.8	27.6	29.9	32.9
Z5_CHANNEL_135	Z5_OF_5058	Z5_IL_5318	G3	175	0.025	Trapezoidal	5.00	2.00	56.4	60.6	63.2	64.1
Z5_CHANNEL_137	Z5_OF_4531	Z5_IL_5125	M3	152	0.025	Trapezoidal	5.00	2.00	39.9	48.9	55.1	59.1
Z5_CHANNEL_139	Z5_OF_5043	Z5_IL_5161	H3	337	0.025	Trapezoidal	6.00	10.00	186.3	226.4	264.6	296.9
Z5_CHANNEL_142	Z5_OF_4484	Z5_CB_384	E4	381	0.025	Trapezoidal	5.00	2.00	2.6	3.5	4.7	6.7
Z5_CHANNEL_143	Z5_OF_4485	Z5_IL_4935	E4	953	0.025	Trapezoidal	5.00	2.00	1.7	2.3	3.1	4.3
Z5_CHANNEL_149	Z5_OF_4533	Z5_IL_4944	H4	106	0.025	Trapezoidal	5.00	2.00	22.7	24.1	26.2	30.1
Z5_CHANNEL_151	Z5_OF_5048	Z5_OF_5049	E4	257	0.025	Trapezoidal	5.00	2.00	0.8	1.1	1.5	2.2
Z5_CHANNEL_152	Z5_OF_5062	Z5_IL_5138	F4	104	0.025	Trapezoidal	6.00	6.00	64.3	75.9	76.8	76.8
Z5_CHANNEL_155	Z5_IL_5386	Z5_IL_4945	H4	164	0.025	Trapezoidal	5.00	2.00	23.8	25.3	27.2	30.2
Z5_CHANNEL_156	Z5_OF_4535	Z5_IL_4946	H4	80	0.025	Trapezoidal	5.00	2.00	24.8	26.5	28.7	31.2
Z5_CHANNEL_228	Z5_OF_5049	Z5_IL_3211	E4	507	0.025	Trapezoidal	5.00	2.00	33.7	45.2	60.6	80.5
Z5_CHANNEL_238	Z5_OF_4423	Z5_IL_4941	H3	89	0.025	Trapezoidal	6.00	10.00	158.2	192.5	228.4	266.0
Z5_CHANNEL_239	Z5_OF_5066	Z5_IL_4940	H3	292	0.025	Trapezoidal	5.00	2.00	18.2	21.1	23.4	26.7
Z5_CHANNEL_249	Z5_OF_4420	Z5_IL_4950	G3	131	0.025	Trapezoidal	5.00	2.00	0.8	1.1	1.3	1.8
Z5_CHANNEL_266	Z5_OF_4381	Z5_IL_2421	L4	117	0.025	Trapezoidal	5.00	2.00	2.3	3.2	4.4	6.2
Z5_CHANNEL_272	Z5_OF_4478	Z5_IL_4966	M3	116	0.025	Trapezoidal	5.00	2.00	34.9	42.0	46.9	50.8
Z5_CHANNEL_273	Z5_OF_4530	Z5_IL_4965	L3	147	0.025	Trapezoidal	5.00	2.00	30.2	37.1	41.5	44.7
Z5_CHANNEL_295	Z5_OF_4422	Z5_IL_5163	H3	793	0.025	Trapezoidal	6.00	10.00	158.8	193.6	230.1	269.0
Z5_CHANNEL_3	Z5_OF_4365	Z5_IL_1456	M3	134	0.025	Trapezoidal	6.00	10.00	6.3	6.5	6.8	7.2
Z5_CHANNEL_302	Z5_OF_5051	Z5_OF_4600	F4	259	0.025	Trapezoidal	5.00	2.00	63.5	84.8	109.9	140.6
Z5_CHANNEL_303	Z5_OF_5063	Z5_IL_4939	G4	955	0.025	Trapezoidal	6.00	10.00	81.2	93.3	103.3	116.0
Z5_CHANNEL_306	Z5_OF_5064	Z5_IL_5145	G4	169	0.025	Trapezoidal	8.00	10.00	116.9	138.5	159.9	178.3
Z5_CHANNEL_311	Z5_OF_4442	Z5_MH_4130	K3	276	0.025	Trapezoidal	5.00	2.00	12.9	15.8	20.2	26.7
Z5_CHANNEL_312	Z5_OF_4503	Z5_IL_4955	H4	99	0.025	Trapezoidal	5.00	2.00	26.8	28.7	31.1	34.5
Z5_CHANNEL_385	Z5_CB_616	Z5_IL_5142	G3	124	0.025	Trapezoidal	5.00	2.50	71.3	82.0	84.8	88.3
Z5_CHANNEL_421	Z5_OF_4574	Z5_IL_5175	K4	132	0.025	Trapezoidal	5.00	9.00	5.1	7.2	10.1	67.3
Z5_CHANNEL_487	Z5_OF_5068	NEW_Z5_IL_6200	H4	68	0.025	Trapezoidal	3.50	1.00	2.1	1.9	2.3	2.8
Z5_CHANNEL_542	Z5_OF_4450	Z5_OF_5043	J3	198	0.025	Trapezoidal	6.00	10.00	186.0	226.0	267.8	305.4

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Zone 5 West Existing Pipes

Link ID*	From Node	To Node	County Grid #	Length (ft)	Manning's N	Shape	Max Depth (ft)	Bottom Width (ft)	Max Q (cfs)			
									5Yr	10Yr	25Yr	100Yr
Z5_CHANNEL_548	Z5_OF_4440	Z5_OF_4530	L3	7	0.025	Trapezoidal	5.00	2.00	21.3	27.6	32.3	33.9
Z5_CHANNEL_549	Z5_OF_4480	Z5_OF_4458	M3	28	0.025	Trapezoidal	5.00	2.00	35.6	45.3	61.6	80.2
Z5_CHANNEL_551	Z5_OF_4458	Z5_OF_4531	M3	8	0.025	Trapezoidal	5.00	2.00	36.0	82.6	131.6	181.2
Z5_CHANNEL_552	Z5_OF_4510	Z5_OF_4509	E4	137	0.025	Trapezoidal	5.00	2.00	41.7	56.9	72.8	91.6
Z5_CHANNEL_553	Z5_OF_4509	Z5_OF_5135	F4	267	0.025	Trapezoidal	5.00	2.00	51.0	67.8	86.1	106.1
Z5_CHANNEL_554	Z5_OF_5135	Z5_OF_5050	F4	213	0.025	Trapezoidal	5.00	2.00	51.0	67.8	86.0	106.0
Z5_CHANNEL_555	Z5_OF_5050	Z5_OF_5051	G4	109	0.025	Trapezoidal	5.00	2.00	54.2	71.5	90.2	110.5
Z5_CHANNEL_556	Z5_OF_4379	Z5_OF_4484	E4	165	0.025	Trapezoidal	5.00	2.00	1.0	1.4	1.8	2.6
Z5_CHANNEL_557	Z5_OF_5057	Z5_OF_5058	G3	21	0.025	Trapezoidal	5.00	2.00	53.0	53.4	76.1	70.7
Z5_CHANNEL_706	Z5_OF_5056	Z5_IL_5318	G3	86	0.025	Trapezoidal	5.00	2.00	6.5	6.7	6.4	9.3
Z5_CHANNEL_74	Z5_OF_5065	Z5_IL_4940	H3	29	0.025	Trapezoidal	5.00	5.00	128.4	152.2	179.1	202.1
Z5_CHANNEL_75	Z5_OF_5148	Z5_IL_5149	H3	320	0.025	Trapezoidal	8.00	10.00	116.9	138.4	159.7	178.4
Z5_CHANNEL_800	Z5_IL_5318	Z5_IL_4938	G3	96	0.025	Trapezoidal	5.00	2.00	56.5	56.4	56.1	58.3
Z5_CHANNEL_801	Z5_IL_4935	Z5_CB_388	E4	37	0.025	Trapezoidal	5.00	2.00	1.8	2.7	3.8	5.4
Z5_CHANNEL_807	Z5_OF_4600	Z5_IL_3704	F4	109	0.025	Trapezoidal	5.00	2.00	66.4	88.5	114.0	144.9
Z5_PIPE_1000	Z5_SGMH_4852	Z5_OF_5027	M3	27	0.015	Circular	1.75	-	11.2	14.4	18.0	22.1
Z5_PIPE_1001	Z5_MH_3796	Z5_IL_1457	J2	61	0.015	Circular	2.00	-	14.4	18.4	19.8	20.9
Z5_PIPE_1002	Z5_IL_1458	Z5_MH_3797	H3	35	0.015	Circular	1.00	-	3.2	3.8	4.5	5.3
Z5_PIPE_1003	Z5_IL_1461	Z5_MH_3797	H3	36	0.015	Circular	1.00	-	2.0	2.6	3.5	4.8
Z5_PIPE_1004	Z5_MH_3799	Z5_MH_3798	H3	97	0.015	Circular	1.50	-	6.9	9.2	10.8	14.3
Z5_PIPE_1005	Z5_IL_1465	Z5_IL_1466	H3	145	0.015	Circular	1.25	-	5.0	6.3	8.1	9.0
Z5_PIPE_1006	Z5_IL_1466	Z5_SGIL_4645	H3	214	0.015	Circular	1.25	-	5.0	6.3	7.5	8.6
Z5_PIPE_1007	Z5_IL_1491	Z5_IL_1492	J3	154	0.015	Circular	1.50	-	7.1	9.5	12.9	15.7
Z5_PIPE_1008	Z5_IL_1493	Z5_OF_4522	J3	48	0.015	Circular	2.00	-	10.4	14.1	19.1	26.9
Z5_PIPE_1016	Z5_MH_3955	Z5_MH_4120	L3	68	0.015	Circular	1.50	-	6.3	7.9	11.9	11.4
Z5_PIPE_1017	Z5_MH_3771	Z5_MH_5167	H2	81	0.015	Circular	1.25	-	3.9	3.9	4.0	4.0
Z5_PIPE_1030	Z5_IL_1890	Z5_IL_1891	H3	73	0.015	Circular	1.00	-	4.4	5.7	5.9	6.2
Z5_PIPE_1031	Z5_IL_3158	Z5_IL_1147	G3	65	0.015	Circular	1.50	-	1.6	2.0	2.4	3.1
Z5_PIPE_1058	Z5_IL_1710	Z5_MH_4019	H4	40	0.015	Circular	1.00	-	0.7	0.9	1.6	3.6
Z5_PIPE_1059	Z5_IL_1711	Z5_IL_1712	L2	68	0.015	Circular	1.00	-	6.2	6.2	6.4	6.8
Z5_PIPE_106	Z5_SGIL_4845	Z5_MH_4012	H4	25	0.015	Circular	1.00	-	0.0	0.0	0.0	0.0
Z5_PIPE_1062	Z5_IL_2090	Z5_SGMH_4862	J2	48	0.015	Circular	1.00	-	3.6	3.6	3.5	3.5
Z5_PIPE_1078	Z5_MH_3818	Z5_IL_1654	K2	29	0.010	Circular	1.50	-	3.7	4.9	6.5	8.9
Z5_PIPE_1079	Z5_IL_1654	Z5_MH_3819	K2	230	0.010	Circular	1.50	-	3.7	4.9	6.5	8.9
Z5_PIPE_1080	Z5_IL_1655	Z5_MH_3819	K2	16	0.010	Circular	1.00	-	0.0	0.0	0.0	0.0
Z5_PIPE_1081	Z5_IL_1656	Z5_MH_3819	K2	15	0.010	Circular	1.00	-	1.8	2.4	3.2	4.5
Z5_PIPE_1082	Z5_MH_3819	Z5_MH_3820	K2	307	0.010	Circular	2.00	-	5.4	7.2	9.6	13.3
Z5_PIPE_1083	Z5_IL_1657	Z5_MH_3820	K2	21	0.010	Circular	1.00	-	1.8	2.4	3.3	4.6
Z5_PIPE_1084	Z5_MH_3820	Z5_IL_1658	K2	98	0.015	Circular	2.50	-	7.1	9.4	12.6	17.5
Z5_PIPE_1112	Z5_IL_1111	Z5_IL_1112	J2	191	0.015	Circular	1.00	-	3.9	4.9	5.6	5.9
Z5_PIPE_1113	Z5_IL_1112	Z5_OF_5034	J2	67	0.010	Circular	1.25	-	3.9	4.9	5.6	5.9
Z5_PIPE_1124	Z5_IL_1738	Z5_IL_1739	H4	29	0.010	Circular	1.25	-	1.6	2.2	3.0	4.2
Z5_PIPE_1125	Z5_IL_1739	Z5_IL_1740	H4	76	0.010	Circular	1.25	-	1.6	2.2	3.0	4.2
Z5_PIPE_1126	Z5_IL_1740	Z5_SGIL_4683	H4	17	0.015	Circular	1.25	-	1.6	2.2	3.0	4.2
Z5_PIPE_1128	Z5_IL_1845	Z5_IL_3665	J2	52	0.015	Circular	1.00	-	3.8	4.4	5.4	6.7
Z5_PIPE_1130	Z5_MH_4116	Z5_CB_329	F4	8	0.015	Circular	1.00	-	0.7	1.1	1.6	2.5
Z5_PIPE_1131	Z5_CB_331	Z5_MH_4117	G4	7	0.015	Circular	1.25	-	4.2	5.4	6.1	6.9
Z5_PIPE_1132	Z5_MH_4117	Z5_MH_4057	G4	269	0.015	Circular	1.25	-	4.2	5.4	6.1	6.3
Z5_PIPE_1133	Z5_CB_332	Z5_MH_4057	G4	7	0.015	Circular	1.00	-	1.1	1.4	1.8	2.3
Z5_PIPE_1134	Z5_MH_4057	Z5_MH_4058	G4	58	0.015	Circular	1.25	-	5.2	6.7	7.9	8.6
Z5_PIPE_1135	Z5_IL_1774	Z5_MH_5131	G4	77	0.015	Circular	1.00	-	1.5	1.9	2.4	3.1
Z5_PIPE_1136	Z5_IL_1773	Z5_IL_1774	G4	62	0.015	Circular	1.00	-	0.3	0.4	0.5	0.6
Z5_PIPE_1137	Z5_IL_1777	Z5_MH_3821	G4	18	0.024	Circular	1.00	-	0.2	0.3	0.3	0.4
Z5_PIPE_1138	Z5_MH_3821	Z5_SGIL_4769	G4	141	0.015	Circular	1.00	-	0.2	0.3	0.3	0.4
Z5_PIPE_1139	Z5_IL_1778	Z5_OF_4560	G4	44	0.015	Circular	1.00	-	0.2	0.3	0.3	0.4
Z5_PIPE_1140	Z5_IL_1779	Z5_OF_4561	G4	44	0.015	Circular	1.00	-	0.2	0.2	0.3	0.4
Z5_PIPE_1141	Z5_IL_1780	Z5_OF_4562	G4	55	0.015	Circular	1.00	-	0.1	0.2	0.2	0.3
Z5_PIPE_1142	Z5_IL_1781	Z5_OF_4488	G4	60	0.015	Circular	1.00	-	0.2	0.3	0.3	0.4
Z5_PIPE_1143	Z5_IL_1782	Z5_OF_4489	G4	53	0.015	Circular	1.00	-	0.2	0.2	0.3	0.3
Z5_PIPE_1144	Z5_IL_1783	Z5_OF_4490	G4	52	0.015	Circular	1.00	-	0.3	0.3	0.4	0.5
Z5_PIPE_1145	Z5_IL_1784	Z5_OF_4491	G4	53	0.015	Circular	1.00	-	0.2	0.3	0.4	0.5
Z5_PIPE_1146	Z5_IL_1785	Z5_IL_1786	F4	95	0.015	Circular	1.00	-	1.5	1.9	2.4	3.2
Z5_PIPE_1147	Z5_IL_1786	Z5_IL_1787	F4	7	0.015	Circular	1.00	-	4.6	6.1	8.1	9.2
Z5_PIPE_1148	Z5_IL_1787	Z5_IL_1788	G4	28	0.015	Circular	1.00	-	4.6	6.1	8.1	9.2
Z5_PIPE_1149	Z5_IL_1789	Z5_IL_1786	G4	87	0.015	Circular	1.00	-	3.2	4.2	5.7	6.6
Z5_PIPE_1150	Z5_SGIL_4685	Z5_OF_4549	F4	75	0.024	Circular	1.00	-	4.6	6.1	8.1	9.2
Z5_PIPE_1151	Z5_IL_1791	Z5_OF_4559	F4	55	0.015	Circular	1.00	-	0.1	0.1	0.2	0.2
Z5_PIPE_1152	Z5_IL_1792	Z5_OF_4558	F4	55	0.015	Circular	1.00	-	0.1	0.1	0.1	0.2
Z5_PIPE_1153	Z5_IL_1790	Z5_OF_4557	F4	52	0.015	Circular	1.00	-	0.1	0.2	0.2	0.3
Z5_PIPE_1154	Z5_IL_1793	Z5_OF_4556	F4	53	0.015	Circular	1.00	-	0.1	0.1	0.1	0.1

\*The term "NEW" in a Link ID does not reflect the age or condition of the actual link. It is modeling nomenclature only.

Zone 5 West Existing Pipes

Link ID*	From Node	To Node	County Grid #	Length (ft)	Manning's N	Shape	Max Depth (ft)	Bottom Width (ft)	Max Q (cfs)			
									5Yr	10Yr	25Yr	100Yr
Z5_PIPE_1155	Z5_IL_1794	Z5_OF_4555	F4	49	0.015	Circular	1.00	-	0.0	0.1	0.1	0.1
Z5_PIPE_1156	Z5_IL_1795	Z5_OF_4550	F4	59	0.015	Circular	1.00	-	0.1	0.1	0.1	0.1
Z5_PIPE_1157	Z5_IL_1796	Z5_OF_4551	F4	40	0.015	Circular	1.00	-	0.1	0.1	0.1	0.1
Z5_PIPE_1158	Z5_IL_1797	Z5_OF_4552	F4	40	0.015	Circular	1.00	-	0.1	0.1	0.1	0.2
Z5_PIPE_1159	Z5_IL_1798	Z5_OF_4553	G4	43	0.015	Circular	1.00	-	0.1	0.1	0.2	0.2
Z5_PIPE_1160	Z5_IL_1799	Z5_OF_4554	G4	44	0.015	Circular	1.00	-	0.4	0.5	0.6	0.8
Z5_PIPE_1161	Z5_IL_1863	Z5_IL_1864	F4	216	0.015	Circular	1.00	-	2.0	2.6	3.7	3.9
Z5_PIPE_1162	Z5_IL_1864	Z5_SGIL_4688	G4	68	0.024	Circular	1.25	-	3.0	3.8	5.1	5.2
Z5_PIPE_1163	Z5_SGIL_4688	Z5_CB_331	G4	13	0.024	Circular	1.25	-	3.0	3.8	5.1	5.3
Z5_PIPE_117	Z5_IL_2688	Z5_IL_2689	E3	62	0.024	Circular	1.00	-	0.4	0.6	0.8	1.3
Z5_PIPE_1176	Z5_IL_2278	Z5_OF_5021	K2	97	0.015	Circular	1.00	-	0.2	0.3	0.4	0.5
Z5_PIPE_1177	Z5_IL_2288	Z5_OF_5020	K2	179	0.015	Circular	1.00	-	3.5	4.6	6.0	8.0
Z5_PIPE_1179	Z5_MH_3930	Z5_IL_2833	K2	6	0.015	Circular	2.00	-	12.6	16.0	19.8	25.8
Z5_PIPE_118	Z5_IL_2689	Z5_IL_2690	E3	148	0.024	Circular	1.00	-	0.4	0.6	0.8	1.3
Z5_PIPE_1180	Z5_IL_2833	Z5_SGIL_4809	K2	150	0.015	Circular	2.00	-	12.6	16.0	19.7	25.8
Z5_PIPE_1181	Z5_IL_2978	Z5_IL_2399	K2	115	0.015	Circular	2.50	-	8.3	11.0	14.7	20.3
Z5_PIPE_1182	Z5_MH_3855	Z5_OF_4500	K2	167	0.015	Circular	2.50	-	11.6	15.4	20.6	28.5
Z5_PIPE_1183	Z5_IL_2400	Z5_MH_3855	K2	254	0.015	Circular	2.50	-	11.6	15.4	20.6	28.5
Z5_PIPE_1184	Z5_SGMH_4864	Z5_IL_2400	K2	31	0.015	Circular	2.50	-	11.6	15.4	20.6	28.5
Z5_PIPE_1185	Z5_IL_2399	Z5_SGMH_4864	K2	46	0.015	Circular	2.50	-	11.0	14.5	19.4	26.8
Z5_PIPE_1186	Z5_MH_4199	Z5_CB_42	M2	227	0.015	Circular	1.50	-	4.2	4.8	5.6	6.1
Z5_PIPE_1187	Z5_IL_2829	Z5_IL_2830	M2	36	0.015	Circular	3.50	-	19.1	23.6	29.6	34.8
Z5_PIPE_1188	Z5_MH_3841	Z5_MH_3842	M2	222	0.015	Circular	3.50	-	18.9	23.6	29.7	34.8
Z5_PIPE_1189	Z5_MH_4198	Z5_MH_3843	M2	166	0.015	Circular	2.75	-	28.6	35.9	45.9	57.5
Z5_PIPE_119	Z5_IL_2690	Z5_IL_1646	E3	108	0.010	Circular	1.00	-	0.4	0.6	0.8	1.3
Z5_PIPE_1190	Z5_MH_3843	Z5_SGIL_4711	M2	141	0.015	Circular	2.75	-	31.2	39.1	49.8	63.0
Z5_PIPE_1191	Z5_SGIL_4711	Z5_MH_3827	M2	47	0.015	Circular	2.75	-	31.2	39.1	49.8	63.0
Z5_PIPE_1192	Z5_MH_3827	Z5_OF_4368	M2	235	0.015	Circular	3.00	-	32.1	40.3	51.4	65.5
Z5_PIPE_1193	Z5_MH_3952	Z5_CB_44	M2	100	0.015	Circular	1.50	-	2.8	3.5	4.4	5.7
Z5_PIPE_1200	Z5_IL_2190	Z5_SGMH_4863	N3	327	0.015	Circular	1.00	-	2.1	2.5	2.9	3.6
Z5_PIPE_1218	Z5_MH_4186	Z5_MH_3980	J4	267	0.015	Circular	2.50	-	1.6	2.4	3.5	5.2
Z5_PIPE_1219	Z5_MH_3844	Z5_MH_4187	J4	148	0.015	Circular	2.75	-	34.8	41.1	48.9	59.3
Z5_PIPE_1220	Z5_IL_2310	Z5_IL_2311	L3	39	0.015	Circular	1.25	-	1.5	5.1	4.5	4.7
Z5_PIPE_1221	Z5_IL_2311	Z5_MH_3847	L3	81	0.015	Circular	1.25	-	5.4	7.0	7.8	9.3
Z5_PIPE_1222	Z5_MH_3847	Z5_MH_3846	L3	178	0.015	Circular	1.50	-	10.3	12.1	12.5	13.0
Z5_PIPE_1223	Z5_MH_3846	Z5_IL_2313	L3	168	0.015	Circular	1.50	-	10.2	12.1	12.5	13.0
Z5_PIPE_1227	Z5_MH_3771	Z5_MH_3870	H2	111	0.015	Circular	2.25	-	13.8	16.9	21.4	27.9
Z5_PIPE_1228	Z5_MH_3870	Z5_IL_2478	H2	250	0.015	Circular	2.25	-	20.5	24.2	29.2	36.7
Z5_PIPE_1229	Z5_MH_5167	Z5_MH_3870	H2	82	0.015	Circular	1.00	-	4.8	5.0	5.0	5.0
Z5_PIPE_1233	Z5_MH_3874	Z5_CB_193	H2	38	0.015	Circular	2.25	-	16.5	19.4	23.3	29.1
Z5_PIPE_1235	Z5_IL_2813	Z5_IL_2812	M2	26	0.015	Circular	1.25	-	1.4	1.9	2.7	3.8
Z5_PIPE_1236	Z5_CB_261	Z5_OF_4417	F3	14	0.015	Circular	1.00	-	1.9	2.2	2.7	3.3
Z5_PIPE_1237	Z5_CB_417	Z5_MH_4098	D4	10	0.015	Circular	1.00	-	1.6	2.1	2.9	4.0
Z5_PIPE_1239	Z5_IL_2508	Z5_IL_2509	L3	34	0.024	Circular	1.00	-	0.8	1.2	1.8	2.4
Z5_PIPE_1240	Z5_IL_2509	Z5_MH_5562	L3	630	0.015	Circular	1.00	-	0.8	1.1	1.7	2.4
Z5_PIPE_1242	Z5_IL_2433	Z5_SGIL_4718	M3	34	0.015	Circular	1.00	-	2.3	2.9	3.8	5.0
Z5_PIPE_1243	Z5_SGIL_4718	Z5_MH_3860	M3	58	0.015	Circular	1.00	-	3.0	3.9	5.0	6.7
Z5_PIPE_1265	Z5_CB_184	Z5_CB_183	G3	26	0.015	Circular	1.00	-	1.1	1.4	1.8	2.4
Z5_PIPE_1266	Z5_CB_183	Z5_CB_182	G3	155	0.015	Circular	1.50	-	3.4	4.4	5.8	7.8
Z5_PIPE_1267	Z5_CB_182	Z5_IL_2990	G3	386	0.015	Circular	1.50	-	3.4	4.4	5.8	7.8
Z5_PIPE_1268	Z5_CB_181	Z5_IL_2990	H3	51	0.015	Circular	1.00	-	2.0	2.3	2.8	3.5
Z5_PIPE_1269	Z5_CB_123	Z5_IL_2970	H3	242	0.015	Circular	1.50	-	10.9	11.3	11.4	13.1
Z5_PIPE_1270	Z5_MH_4129	Z5_MH_3921	K3	442	0.015	Circular	2.50	-	23.8	28.1	32.8	35.8
Z5_PIPE_1271	Z5_MH_4130	Z5_MH_3921	K3	102	0.015	Circular	2.50	-	8.4	8.7	13.7	23.5
Z5_PIPE_1279	Z5_IL_3254	Z5_IL_3255	K3	44	0.015	Circular	1.00	-	1.3	1.8	2.5	6.8
Z5_PIPE_1280	Z5_MH_4138	Z5_IL_3255	J3	297	0.010	Circular	3.00	-	34.3	44.0	56.9	70.5
Z5_PIPE_1281	Z5_IL_2856	Z5_IL_3131	K3	30	0.015	Circular	1.50	-	2.4	3.2	4.3	6.0
Z5_PIPE_1282	Z5_IL_3131	Z5_IL_2848	K3	330	0.010	Circular	1.50	-	2.4	3.2	4.3	6.0
Z5_PIPE_1283	Z5_IL_2848	Z5_IL_2847	K3	144	0.010	Circular	1.50	-	3.4	4.5	6.2	8.7
Z5_PIPE_1284	Z5_IL_3255	Z5_MH_3724	K3	157	0.010	Circular	3.00	-	35.8	46.1	59.6	73.6
Z5_PIPE_1285	Z5_MH_3725	Z5_MH_4138	J3	198	0.010	Circular	3.00	-	34.3	44.0	56.9	80.2
Z5_PIPE_1286	Z5_IL_3257	Z5_IL_3256	H3	38	0.010	Circular	1.25	-	2.4	3.1	4.1	5.5
Z5_PIPE_1287	Z5_IL_3256	Z5_IL_1103	H3	76	0.010	Circular	1.75	-	2.4	3.1	4.1	5.5
Z5_PIPE_1294	Z5_IL_2764	Z5_IL_2763	M1	36	0.015	Circular	1.00	-	3.3	4.2	4.7	5.9
Z5_PIPE_1295	Z5_IL_2763	Z5_IL_1497	M1	139	0.015	Circular	1.00	-	3.3	4.2	4.5	4.9
Z5_PIPE_1297	Z5_CB_492	Z5_CB_493	K3	237	0.015	Circular	1.50	-	11.4	11.9	12.6	13.5
Z5_PIPE_1298	Z5_CB_493	Z5_IL_1515	K3	61	0.015	Circular	1.50	-	15.0	16.3	17.7	19.3
Z5_PIPE_1299	Z5_IL_1155	Z5_MH_3726	G3	169	0.015	Circular	2.50	-	48.9	50.0	51.4	57.2
Z5_PIPE_1300	Z5_CB_294	Z5_CB_295	G3	98	0.015	Circular	2.25	-	48.1	54.5	63.7	77.1
Z5_PIPE_1301	Z5_CB_295	Z5_MH_3735	G3	62	0.015	Circular	2.50	-	45.6	50.2	56.8	65.8

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## Zone 5 West Existing Pipes

Link ID*	From Node	To Node	County Grid #	Length (ft)	Manning's N	Shape	Max Depth (ft)	Bottom Width (ft)	Max Q (cfs)			
									5Yr	10Yr	25Yr	100Yr
Z5_PIPE_1303	Z5_MH_4076	Z5_MH_4075	E4	333	0.015	Circular	3.00	-	25.5	33.9	45.6	60.2
Z5_PIPE_1305	Z5_CB_333	Z5_MH_4058	G4	38	0.015	Circular	1.00	-	0.5	0.7	0.9	1.3
Z5_PIPE_1306	Z5_MH_4058	Z5_CB_334	G4	105	0.015	Circular	1.50	-	5.7	7.3	8.8	9.8
Z5_PIPE_1307	Z5_CB_334	Z5_SGIL_4769	G4	49	0.015	Circular	1.75	-	5.7	7.3	8.8	9.8
Z5_PIPE_1308	Z5_MH_4019	Z5_MH_4326	H4	114	0.015	Circular	1.00	-	0.7	0.9	2.5	2.8
Z5_PIPE_1309	Z5_MH_4020	Z5_MH_4021	H4	141	0.015	Circular	1.00	-	2.0	2.4	4.2	3.6
Z5_PIPE_131	Z5_SGIL_4763	Z5_OF_5076	H4	87	0.024	Circular	1.00	-	1.6	2.1	2.7	3.6
Z5_PIPE_1310	Z5_MH_4022	Z5_CB_208	H4	193	0.010	Circular	1.00	-	4.9	6.1	7.1	7.4
Z5_PIPE_1311	Z5_CB_208	Z5_MH_4023	H4	118	0.015	Circular	1.50	-	5.7	7.0	8.2	8.8
Z5_PIPE_1312	Z5_CB_207	Z5_CB_208	H4	37	0.015	Circular	1.00	-	0.8	1.0	1.2	1.5
Z5_PIPE_1313	Z5_MH_4023	Z5_MH_3772	H4	211	0.015	Circular	1.50	-	5.7	7.0	8.2	8.8
Z5_PIPE_1314	Z5_MH_3772	Z5_MH_4024	H4	168	0.015	Circular	1.50	-	5.7	7.0	8.2	8.9
Z5_PIPE_1315	Z5_MH_4024	Z5_MH_4025	H4	241	0.015	Circular	1.50	-	5.7	7.0	8.2	9.2
Z5_PIPE_1316	Z5_MH_4025	Z5_MH_4013	H4	187	0.015	Circular	2.00	-	8.1	9.9	11.9	13.6
Z5_PIPE_1317	Z5_CB_209	Z5_MH_4025	H4	12	0.015	Circular	1.00	-	2.4	2.9	3.7	4.9
Z5_PIPE_1318	Z5_CB_210	Z5_MH_4025	H4	21	0.015	Circular	1.00	-	0.0	0.0	0.0	0.5
Z5_PIPE_1319	Z5_MH_4017	Z5_MH_4016	H4	113	0.015	Circular	1.50	-	2.9	3.7	4.8	6.6
Z5_PIPE_1321	Z5_MH_4013	Z5_MH_4012	H4	114	0.015	Circular	2.00	-	16.0	19.9	24.3	29.9
Z5_PIPE_1322	Z5_CB_202	Z5_CB_203	H4	84	0.015	Circular	1.00	-	4.2	5.6	7.4	10.1
Z5_PIPE_1323	Z5_CB_203	Z5_OF_5075	H4	86	0.015	Circular	1.25	-	4.2	5.6	7.4	10.1
Z5_PIPE_1325	Z5_MH_4215	Z5_MH_4336	K3	41	0.015	Circular	1.50	-	10.3	8.8	9.0	10.7
Z5_PIPE_1326	Z5_CB_515	Z5_MH_4003	K3	43	0.015	Circular	2.00	-	11.0	12.5	14.9	21.4
Z5_PIPE_1327	Z5_IL_2986	Z5_IL_3130	K3	263	0.015	Circular	1.25	-	4.9	5.4	5.8	6.6
Z5_PIPE_1329	Z5_IL_3130	Z5_SGIL_4801	K3	304	0.015	Circular	1.25	-	5.5	5.9	6.5	7.5
Z5_PIPE_1339	Z5_IL_2851	Z5_IL_2852	K3	2	0.015	Rectangular	2.00	2.00	1.6	1.8	2.8	5.9
Z5_PIPE_134	Z5_SGIL_4647	Z5_OF_5061	G3	75	0.024	Circular	1.00	-	8.6	10.0	10.1	10.3
Z5_PIPE_1340	Z5_CB_457	Z5_CB_460	L2	32	0.010	Circular	2.00	-	3.4	4.3	5.4	7.0
Z5_PIPE_1352	Z5_SGIL_4640	Z5_IL_1150	G3	20	0.015	Circular	1.00	-	0.0	0.0	0.0	0.0
Z5_PIPE_1355	Z5_CB_188	Z5_IL_2963	G3	62	0.015	Circular	1.00	-	5.0	6.1	7.5	8.4
Z5_PIPE_1356	Z5_IL_2963	Z5_IL_2993	G3	36	0.015	Circular	1.00	-	5.0	6.1	6.6	6.4
Z5_PIPE_1357	Z5_MH_4075	Z5_OF_5049	E4	49	0.015	Circular	3.00	-	33.1	44.3	59.3	78.6
Z5_PIPE_1358	Z5_CB_409	Z5_CB_408	E4	158	0.015	Circular	1.25	-	0.9	1.3	1.8	2.5
Z5_PIPE_1359	Z5_CB_387	Z5_IL_3211	E4	31	0.015	Circular	2.50	-	7.8	11.5	16.4	24.1
Z5_PIPE_1360	Z5_CB_388	Z5_CB_387	E4	20	0.015	Circular	1.00	-	2.6	3.8	5.6	7.9
Z5_PIPE_1361	Z5_IL_4935	Z5_CB_387	E4	42	0.015	Circular	2.00	-	5.2	7.6	10.9	16.2
Z5_PIPE_1362	Z5_CB_389	Z5_OF_4510	E4	28	0.015	Circular	2.50	-	41.7	56.9	72.8	91.6
Z5_PIPE_1363	Z5_CB_390	Z5_OF_4509	E4	81	0.015	Circular	1.00	-	9.4	11.0	13.3	15.4
Z5_PIPE_1364	Z5_IL_1498	Z5_CB_393	F4	43	0.024	Circular	2.00	-	11.3	15.8	21.9	31.4
Z5_PIPE_1366	Z5_IL_3210	Z5_CB_490	K3	196	0.015	Circular	1.50	-	8.0	7.8	7.8	8.3
Z5_PIPE_1367	Z5_IL_2838	Z5_IL_2835	K3	40	0.015	Circular	1.50	-	11.4	8.4	12.4	10.4
Z5_PIPE_1371	Z5_MH_3903	Z5_IL_2691	G3	190	0.015	Circular	4.50	-	116.5	138.0	159.3	177.5
Z5_PIPE_1372	Z5_IL_4949	Z5_OF_4515	G3	75	0.015	Circular	1.50	-	1.4	1.7	2.2	3.0
Z5_PIPE_1374	Z5_MH_3849	Z5_MH_3850	J2	146	0.015	Circular	1.00	-	2.3	2.6	3.4	4.0
Z5_PIPE_1375	Z5_CB_659	Z5_OF_4529	K2	130	0.015	Circular	1.25	-	9.6	12.2	13.0	14.5
Z5_PIPE_1378	Z5_IL_5165	Z5_IL_2772	L1	65	0.024	Circular	1.00	-	4.3	5.1	5.6	6.4
Z5_PIPE_138	Z5_IL_3221	Z5_OF_5068	H3	157	0.024	Circular	1.00	-	1.6	1.5	1.4	1.2
Z5_PIPE_1380	Z5_IL_1187	Z5_IL_1186	L3	39	0.015	Circular	1.00	-	1.1	1.5	2.0	2.7
Z5_PIPE_1381	Z5_IL_3405	Z5_IL_2311	L3	215	0.015	Circular	1.25	-	4.0	5.4	6.2	6.3
Z5_PIPE_1382	Z5_IL_2434	Z5_IL_3405	L3	68	0.015	Circular	1.00	-	2.2	3.0	3.6	3.7
Z5_PIPE_1383	Z5_IL_2312	Z5_MH_3848	L3	46	0.015	Circular	1.25	-	2.7	3.5	4.4	5.0
Z5_PIPE_1384	Z5_IL_1185	Z5_MH_3848	L3	19	0.015	Circular	1.00	-	0.8	1.0	2.9	3.4
Z5_PIPE_1385	Z5_IL_1184	Z5_MH_3847	L3	6	0.015	Circular	1.00	-	2.6	2.6	4.0	6.6
Z5_PIPE_1386	Z5_MH_3848	Z5_MH_3847	L3	31	0.015	Circular	1.25	-	3.5	4.4	5.3	6.9
Z5_PIPE_1387	Z5_IL_1433	Z5_MH_5126	M3	8	0.015	Circular	1.00	-	4.3	5.4	6.8	9.0
Z5_PIPE_1388	Z5_IL_1079	Z5_MH_3718	L3	22	0.015	Circular	1.00	-	0.8	1.1	1.5	2.1
Z5_PIPE_1390	Z5_IL_1081	Z5_MH_3719	L3	18	0.015	Circular	1.25	-	1.7	2.3	3.0	4.2
Z5_PIPE_1391	Z5_MH_3720	Z5_IL_1083	M3	162	0.015	Circular	1.25	-	2.5	3.3	4.4	6.1
Z5_PIPE_1392	Z5_MH_3719	Z5_MH_3720	L3	121	0.015	Circular	1.25	-	2.5	3.3	4.4	6.1
Z5_PIPE_1398	Z5_SGIL_4754	Z5_OF_4544	M3	42	0.015	Circular	1.00	-	0.8	1.1	1.5	2.0
Z5_PIPE_1399	Z5_SGIL_4753	Z5_OF_4545	M3	47	0.015	Circular	1.00	-	0.7	1.0	1.3	1.9
Z5_PIPE_1405	Z5_IL_5280	Z5_IL_2185	M4	106	0.015	Circular	1.25	-	0.0	0.0	0.0	0.0
Z5_PIPE_1416	Z5_IL_3408	Z5_IL_3410	L3	63	0.010	Circular	1.00	-	5.4	5.4	5.7	7.3
Z5_PIPE_1417	Z5_IL_3410	Z5_IL_3409	L3	38	0.015	Circular	1.25	-	7.6	8.1	4.3	5.3
Z5_PIPE_1419	Z5_IL_3409	Z5_IL_3107	L3	101	0.015	Circular	1.25	-	3.8	4.3	3.6	4.3
Z5_PIPE_1420	Z5_IL_3107	Z5_IL_3352	L3	180	0.015	Circular	1.25	-	3.4	3.4	3.8	4.2
Z5_PIPE_1422	Z5_IL_1190	Z5_MH_4234	L3	73	0.015	Circular	1.25	-	1.6	2.4	3.6	5.2
Z5_PIPE_1423	Z5_IL_1192	Z5_MH_4234	L3	58	0.015	Circular	1.00	-	0.4	0.5	0.7	1.1
Z5_PIPE_1424	Z5_IL_1189	Z5_MH_4234	L3	65	0.015	Circular	1.25	-	4.0	5.1	6.7	8.9
Z5_PIPE_1426	Z5_IL_2780	Z5_MH_5127	L3	64	0.015	Circular	1.00	-	1.8	2.2	2.8	3.7
Z5_PIPE_1427	Z5_IL_2314	Z5_CB_698	L3	48	0.015	Circular	1.75	-	11.9	14.3	15.3	16.4

\*The term "NEW" in a Link ID does not reflect the age or condition of the actual link. It is modeling nomenclature only.

Zone 5 West Existing Pipes

Link ID*	From Node	To Node	County Grid #	Length (ft)	Manning's N	Shape	Max Depth (ft)	Bottom Width (ft)	Max Q (cfs)			
									5Yr	10Yr	25Yr	100Yr
Z5_PIPE_1428	Z5_IL_2843	Z5_IL_2838	K3	234	0.024	Circular	1.50	-	4.4	5.3	5.5	5.5
Z5_PIPE_1429	Z5_IL_3116	Z5_IL_2852	K3	434	0.015	Circular	1.00	-	3.2	3.4	3.7	4.0
Z5_PIPE_1430	Z5_IL_2852	Z5_CB_495	K3	46	0.015	Circular	2.00	-	9.6	11.4	14.4	18.8
Z5_PIPE_1431	Z5_CB_495	Z5_MH_4131	K3	6	0.015	Circular	2.50	-	12.8	15.7	20.0	26.3
Z5_PIPE_1435	Z5_CB_385	Z5_CB_386	E4	38	0.015	Circular	2.25	-	3.4	4.4	5.8	8.1
Z5_PIPE_1442	Z5_IL_3288	Z5_MH_4185	J3	8	0.010	Circular	1.00	-	0.0	0.0	0.0	0.0
Z5_PIPE_1443	Z5_MH_4185	Z5_IL_1097	J3	144	0.010	Circular	3.00	-	22.3	27.8	35.1	45.7
Z5_PIPE_1445	Z5_IL_1276	Z5_MH_3762	H4	16	0.015	Circular	1.00	-	1.4	1.8	2.5	3.4
Z5_PIPE_1446	Z5_IL_1277	Z5_MH_3762	H4	20	0.015	Circular	1.00	-	0.0	0.0	0.1	0.4
Z5_PIPE_1467	Z5_IL_1712	Z5_OF_4542	L2	123	0.015	Circular	1.00	-	6.2	6.2	6.4	6.8
Z5_PIPE_1468	Z5_CB_680	Z5_CB_492	K3	218	0.015	Circular	1.50	-	9.9	10.1	10.7	14.0
Z5_PIPE_1469	Z5_CB_490	Z5_CB_680	K3	21	0.015	Circular	1.50	-	8.1	8.7	8.9	8.8
Z5_PIPE_1470	Z5_IL_1673	Z5_SGIL_4660	J4	34	0.015	Circular	1.00	-	1.1	1.5	2.0	2.8
Z5_PIPE_1471	Z5_IL_2560	Z5_IL_2561	J4	26	0.010	Circular	1.25	-	0.8	1.3	2.0	3.1
Z5_PIPE_1472	Z5_IL_1271	Z5_IL_1218	J4	32	0.015	Circular	1.50	-	1.2	1.9	2.8	4.2
Z5_PIPE_1473	Z5_IL_1218	Z5_IL_1686	J4	33	0.015	Circular	1.50	-	1.2	1.9	2.8	4.2
Z5_PIPE_1474	Z5_IL_1686	Z5_SGIL_4672	J4	104	0.015	Circular	1.50	-	1.2	1.9	2.8	4.2
Z5_PIPE_1475	Z5_SGIL_4672	Z5_IL_1685	J4	83	0.015	Circular	1.50	-	1.2	1.9	2.8	4.2
Z5_PIPE_1477	Z5_IL_5149	Z5_OF_5065	H3	337	0.015	Circular	4.50	-	124.9	147.5	172.9	193.4
Z5_PIPE_1478	Z5_IL_5145	Z5_OF_5148	H3	60	0.024	Circular	4.50	-	116.9	138.4	159.8	178.3
Z5_PIPE_1480	Z5_CB_342	Z5_CB_341	G3	21	0.015	Circular	1.00	-	8.0	9.2	10.7	12.8
Z5_PIPE_1482	Z5_CB_338	Z5_CB_339	G4	63	0.015	Circular	1.50	-	9.9	12.7	15.8	17.5
Z5_PIPE_1484	Z5_SGMH_4862	Z5_MH_3970	J2	217	0.015	Circular	1.00	-	3.8	4.0	4.1	4.4
Z5_PIPE_1485	Z5_IL_3371	Z5_MH_5157	J2	6	0.015	Circular	1.00	-	0.0	0.0	0.0	0.5
Z5_PIPE_150	Z5_MH_4304	Z5_MH_4173	H2	61	0.010	Circular	2.00	-	6.7	8.5	10.9	16.8
Z5_PIPE_1515	Z5_CB_393	Z5_OF_5051	G4	12	0.015	Circular	2.00	-	11.3	15.8	21.9	31.4
Z5_PIPE_1516	Z5_IL_1279	Z5_OF_5050	F4	13	0.015	Circular	1.00	-	3.5	4.1	5.0	6.2
Z5_PIPE_1519	Z5_IL_3047	Z5_MH_5147	G4	32	0.015	Circular	2.00	-	10.7	12.3	14.4	17.3
Z5_PIPE_1520	Z5_CB_339	Z5_IL_3273	G4	255	0.015	Circular	2.00	-	9.9	12.7	15.8	17.5
Z5_PIPE_1521	Z5_IL_3273	Z5_MH_5147	G4	129	0.015	Circular	2.50	-	17.0	21.6	27.2	32.4
Z5_PIPE_1526	Z5_IL_3235	Z5_IL_3236	H3	32	0.010	Circular	1.00	-	0.8	1.0	1.3	1.7
Z5_PIPE_1527	Z5_IL_1103	Z5_IL_3236	H3	119	0.010	Circular	1.75	-	2.4	3.1	4.1	5.5
Z5_PIPE_1546	Z5_MH_4014	Z5_MH_4013	H4	188	0.015	Circular	1.50	-	6.9	8.7	10.8	14.6
Z5_PIPE_1547	Z5_MH_4016	Z5_MH_4015	H4	151	0.015	Circular	1.50	-	4.0	5.0	6.5	8.7
Z5_PIPE_1548	Z5_MH_4015	Z5_MH_4014	H4	138	0.015	Circular	1.50	-	4.0	5.0	6.4	8.7
Z5_PIPE_1554	Z5_IL_3306	Z5_MH_4013	H4	47	0.015	Circular	1.25	-	1.1	1.4	1.7	2.2
Z5_PIPE_1559	Z5_SGIL_4698	Z5_MH_4022	H4	36	0.015	Circular	1.00	-	0.9	1.1	2.0	3.5
Z5_PIPE_156	Z5_MH_4173	Z5_OF_4481	H2	96	0.010	Circular	2.00	-	6.7	8.5	10.9	16.8
Z5_PIPE_1560	Z5_MH_4323	Z5_MH_4022	H4	103	0.015	Circular	1.00	-	4.0	5.0	6.3	6.3
Z5_PIPE_1561	Z5_MH_3918	Z5_MH_3919	L1	158	0.015	Circular	1.00	-	4.3	5.1	5.5	6.0
Z5_PIPE_1562	Z5_IL_2773	Z5_MH_3919	L1	10	0.015	Circular	1.00	-	4.4	6.0	8.4	9.8
Z5_PIPE_1563	Z5_MH_3919	Z5_IL_3173	L1	11	0.015	Circular	1.00	-	8.5	11.1	13.0	13.9
Z5_PIPE_1564	Z5_MH_3840	Z5_IL_2176	M2	28	0.015	Circular	3.00	-	19.4	23.2	28.2	31.7
Z5_PIPE_1565	Z5_IL_2830	Z5_MH_3841	M2	180	0.015	Circular	3.50	-	19.0	23.6	29.7	34.8
Z5_PIPE_1566	Z5_IL_2819	Z5_MH_4198	M2	16	0.015	Circular	2.00	-	8.6	11.2	14.7	19.9
Z5_PIPE_1568	Z5_IL_1077	Z5_MH_3716	L3	28	0.015	Circular	1.00	-	1.6	2.2	2.9	3.8
Z5_PIPE_1571	Z5_IL_3380	Z5_MH_4224	K3	42	0.015	Circular	1.00	-	0.6	0.8	1.2	1.6
Z5_PIPE_1572	Z5_MH_4224	Z5_MH_4223	K4	102	0.015	Circular	1.25	-	0.6	0.8	1.2	1.6
Z5_PIPE_1576	Z5_MH_4225	Z5_MH_4223	K3	74	0.015	Circular	2.50	-	7.7	10.6	14.4	17.4
Z5_PIPE_1577	Z5_MH_4223	Z5_IL_3383	K4	54	0.015	Circular	2.50	-	8.9	12.5	17.1	21.8
Z5_PIPE_1578	Z5_IL_3383	Z5_IL_3384	K3	75	0.015	Circular	2.50	-	9.9	13.7	18.8	24.4
Z5_PIPE_1580	Z5_IL_3387	Z5_MH_4226	K3	108	0.015	Circular	1.00	-	0.7	1.0	1.3	1.8
Z5_PIPE_1581	Z5_MH_4226	Z5_IL_3386	K3	57	0.015	Circular	1.00	-	0.7	1.0	1.3	1.8
Z5_PIPE_1582	Z5_IL_3386	Z5_IL_3251	K3	80	0.015	Circular	1.00	-	0.7	1.0	1.3	1.9
Z5_PIPE_1583	Z5_IL_3251	Z5_IL_3252	K3	68	0.015	Circular	1.00	-	1.6	2.1	2.7	3.6
Z5_PIPE_1584	Z5_IL_3252	Z5_IL_3383	K3	138	0.015	Circular	1.00	-	1.6	2.1	2.7	3.6
Z5_PIPE_1585	Z5_SGIL_4729	Z5_MH_4227	K3	106	0.015	Circular	1.25	-	2.4	3.1	3.9	5.2
Z5_PIPE_1586	Z5_MH_4227	Z5_IL_3388	K3	47	0.015	Circular	1.25	-	3.2	4.0	5.1	6.7
Z5_PIPE_1587	Z5_IL_3388	Z5_MH_4228	K3	115	0.015	Circular	1.25	-	3.7	4.7	6.0	7.9
Z5_PIPE_1588	Z5_IL_3384	Z5_CB_520	K3	124	0.015	Circular	2.50	-	11.5	15.6	21.6	29.0
Z5_PIPE_1589	Z5_CB_520	Z5_IL_3650	K3	114	0.015	Circular	2.50	-	11.5	15.6	21.6	29.0
Z5_PIPE_1590	Z5_IL_3650	Z5_MH_4228	K3	119	0.015	Circular	2.50	-	11.5	15.6	21.6	29.0
Z5_PIPE_1591	Z5_SGIL_4803	Z5_IL_3389	K3	52	0.015	Circular	2.50	-	22.7	29.8	39.6	53.6
Z5_PIPE_1592	Z5_MH_5129	Z5_SGIL_4803	K3	274	0.015	Circular	3.00	-	17.4	23.1	31.0	42.2
Z5_PIPE_1593	Z5_IL_3389	Z5_OF_4525	K3	58	0.015	Circular	2.50	-	22.7	29.8	39.6	53.6
Z5_PIPE_1594	Z5_MH_3722	Z5_MH_3721	K3	312	0.010	Circular	3.00	-	36.1	46.5	60.1	73.8
Z5_PIPE_1595	Z5_MH_3723	Z5_MH_4341	K3	86	0.010	Circular	3.00	-	36.1	46.6	60.2	74.1
Z5_PIPE_1596	Z5_MH_3724	Z5_MH_3723	K3	87	0.010	Circular	3.00	-	35.8	46.1	59.6	73.6
Z5_PIPE_1597	Z5_IL_3391	Z5_IL_1094	J3	31	0.015	Circular	1.25	-	3.0	3.9	5.0	15.2
Z5_PIPE_1598	Z5_IL_1095	Z5_IL_1093	J3	538	0.010	Circular	3.00	-	28.4	36.2	46.6	62.5

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Zone 5 West Existing Pipes

Link ID*	From Node	To Node	County Grid #	Length (ft)	Manning's N	Shape	Max Depth (ft)	Bottom Width (ft)	Max Q (cfs)			
									5Yr	10Yr	25Yr	100Yr
Z5_PIPE_1599	Z5_IL_1097	Z5_MH_4229	J3	517	0.010	Circular	3.00	-	24.3	30.5	38.6	50.7
Z5_PIPE_1600	Z5_MH_4229	Z5_IL_1095	J3	41	0.010	Circular	3.00	-	26.9	34.2	44.0	60.7
Z5_PIPE_1607	Z5_MH_4007	Z5_MH_3874	H2	303	0.015	Circular	2.25	-	12.4	14.6	17.5	21.9
Z5_PIPE_1622	Z5_MH_3762	Z5_MH_3763	H4	133	0.015	Circular	1.50	-	1.4	1.8	2.6	3.4
Z5_PIPE_1623	Z5_MH_3763	Z5_MH_3764	H4	197	0.015	Circular	1.50	-	2.2	3.0	4.2	5.6
Z5_PIPE_1624	Z5_MH_3764	Z5_MH_3712	H4	208	0.015	Circular	1.50	-	2.2	2.9	4.2	5.6
Z5_PIPE_1628	Z5_IL_1294	Z5_MH_4017	H4	17	0.015	Circular	1.50	-	2.9	3.7	4.8	6.6
Z5_PIPE_168	Z5_IL_1045	Z5_MH_4142	K4	50	0.015	Circular	1.00	-	1.2	1.5	2.0	3.7
Z5_PIPE_169	Z5_IL_1046	Z5_MH_4145	K4	47	0.015	Circular	1.75	-	3.0	3.3	4.3	6.4
Z5_PIPE_1694	Z5_IL_3314	Z5_IL_3138	K4	78	0.015	Circular	1.00	-	5.6	7.3	9.1	11.2
Z5_PIPE_1728	Z5_IL_916	Z5_MH_3712	H4	20	0.015	Circular	1.00	-	0.7	1.0	1.3	1.8
Z5_PIPE_1729	Z5_IL_915	Z5_MH_3712	H4	17	0.015	Circular	1.00	-	0.0	0.0	0.0	0.0
Z5_PIPE_1730	Z5_MH_3815	Z5_MH_3812	J4	82	0.015	Circular	3.00	-	28.0	31.6	35.4	39.6
Z5_PIPE_1731	Z5_MH_3811	Z5_MH_3812	J4	147	0.015	Circular	1.50	-	3.4	4.5	6.5	8.8
Z5_PIPE_1732	Z5_IL_1602	Z5_MH_3811	H4	141	0.015	Circular	1.50	-	0.6	0.8	1.1	1.5
Z5_PIPE_1733	Z5_MH_3809	Z5_MH_3811	H4	109	0.015	Circular	1.50	-	2.9	3.9	5.5	7.3
Z5_PIPE_1734	Z5_MH_3765	Z5_MH_3809	H4	127	0.015	Circular	1.50	-	2.9	3.9	5.4	7.3
Z5_PIPE_1735	Z5_MH_3812	Z5_MH_3813	H4	67	0.015	Circular	3.00	-	31.1	36.2	41.7	48.3
Z5_PIPE_1736	Z5_MH_3813	Z5_SGMH_4860	H4	148	0.015	Circular	3.00	-	31.2	36.4	42.0	48.9
Z5_PIPE_1739	Z5_SGMH_4860	Z5_MH_3814	H4	63	0.015	Circular	3.00	-	31.2	36.4	42.0	48.9
Z5_PIPE_1741	Z5_IL_2302	Z5_IL_3668	H4	10	0.015	Circular	2.50	-	1.3	2.0	2.9	4.3
Z5_PIPE_1742	Z5_IL_3289	Z5_MH_4347	J4	11	0.015	Circular	1.00	-	0.7	0.9	1.1	1.5
Z5_PIPE_1743	Z5_IL_3290	Z5_MH_3980	J4	21	0.015	Circular	1.00	-	1.1	1.5	2.1	3.0
Z5_PIPE_1744	Z5_MH_3816	Z5_MH_4345	H4	173	0.015	Circular	3.00	-	31.3	36.4	42.0	48.9
Z5_PIPE_1745	Z5_MH_4187	Z5_OF_4374	J4	50	0.015	Circular	3.00	-	34.8	41.1	48.9	59.3
Z5_PIPE_1746	Z5_MH_4012	Z5_MH_4018	H4	179	0.015	Circular	2.75	-	26.4	32.2	39.4	48.2
Z5_PIPE_1748	Z5_MH_4018	Z5_OF_5001	H4	155	0.015	Circular	3.00	-	26.4	32.2	39.4	48.2
Z5_PIPE_1761	Z5_CB_206	Z5_MH_4012	H4	31	0.015	Circular	1.25	-	0.7	0.8	1.1	1.4
Z5_PIPE_1764	Z5_IL_3317	Z5_IL_3318	L3	91	0.015	Circular	1.00	-	1.4	1.8	2.3	3.3
Z5_PIPE_1765	Z5_MH_3716	Z5_MH_4233	L3	182	0.015	Circular	1.50	-	3.0	4.0	5.4	6.9
Z5_PIPE_1766	Z5_IL_1078	Z5_IL_3321	L3	42	0.015	Circular	1.25	-	0.0	0.0	0.0	0.0
Z5_PIPE_1767	Z5_IL_3320	Z5_IL_3321	L3	30	0.015	Circular	1.50	-	4.2	5.6	7.4	9.3
Z5_PIPE_1768	Z5_MH_3808	Z5_SGMH_4858	L2	58	0.015	Circular	1.75	-	4.8	6.6	8.9	12.4
Z5_PIPE_1769	Z5_IL_1518	Z5_MH_3807	L2	76	0.015	Circular	1.50	-	2.1	2.7	3.6	4.9
Z5_PIPE_1770	Z5_IL_2979	Z5_IL_3323	K3	41	0.024	Circular	1.50	-	3.4	4.3	5.6	7.5
Z5_PIPE_1771	Z5_IL_3323	Z5_SGMH_4859	K3	33	0.015	Circular	1.75	-	3.4	4.3	5.6	7.5
Z5_PIPE_1772	Z5_CB_42	Z5_CB_450	M2	174	0.015	Circular	1.50	-	4.1	4.8	5.6	6.1
Z5_PIPE_1773	Z5_CB_450	Z5_SGIL_4721	M2	256	0.015	Circular	1.50	-	4.1	4.8	5.6	6.1
Z5_PIPE_1775	Z5_MH_3839	NEW_Z5_IL_6100	M2	219	0.015	Circular	3.00	-	15.6	18.5	22.6	25.6
Z5_PIPE_1776	Z5_CB_43	Z5_MH_3840	M2	8	0.015	Circular	1.75	-	17.8	21.5	26.1	28.7
Z5_PIPE_1777	Z5_IL_2810	Z5_IL_2809	L3	32	0.015	Circular	1.50	-	6.3	7.9	10.8	13.2
Z5_PIPE_1778	Z5_IL_2809	Z5_MH_5579	L3	58	0.015	Circular	1.50	-	6.3	7.9	13.5	12.8
Z5_PIPE_1779	Z5_MH_4120	Z5_IL_2516	L3	128	0.015	Circular	1.50	-	8.7	10.9	13.6	13.9
Z5_PIPE_1780	Z5_CB_465	Z5_IL_2516	M2	49	0.015	Circular	1.75	-	7.4	8.7	11.3	12.2
Z5_PIPE_1782	Z5_IL_2328	Z5_CB_570	J2	107	0.010	Circular	1.25	-	3.7	4.6	5.9	7.7
Z5_PIPE_1785	Z5_IL_2330	Z5_IL_2331	J2	119	0.015	Circular	1.25	-	1.4	1.8	2.3	3.0
Z5_PIPE_1789	Z5_IL_2331	Z5_OF_5033	J2	178	0.015	Circular	1.25	-	1.4	1.8	2.3	3.0
Z5_PIPE_1795	Z5_IL_3328	Z5_IL_3329	H2	69	0.015	Circular	1.25	-	1.6	2.0	2.6	3.4
Z5_PIPE_1796	Z5_IL_3329	Z5_SGIL_4795	H2	42	0.015	Circular	1.25	-	1.6	2.0	2.6	3.4
Z5_PIPE_1797	Z5_SGIL_4795	Z5_OF_4511	H2	28	0.015	Circular	1.25	-	1.6	2.0	2.6	3.4
Z5_PIPE_1798	Z5_IL_3330	Z5_SGIL_4795	H2	11	0.015	Circular	1.25	-	0.0	0.0	0.0	0.0
Z5_PIPE_1799	Z5_IL_2759	Z5_IL_2760	J2	14	0.015	Circular	2.00	-	1.8	2.3	3.1	4.3
Z5_PIPE_1800	Z5_SGIL_4603	Z5_IL_3120	J2	60	0.015	Circular	1.00	-	5.3	5.6	5.7	6.4
Z5_PIPE_1801	Z5_IL_3120	Z5_IL_3337	J2	165	0.015	Circular	1.00	-	5.2	5.3	5.7	4.9
Z5_PIPE_1802	Z5_IL_3337	Z5_SGIL_4796	K2	162	0.015	Circular	1.00	-	4.6	4.7	4.9	5.1
Z5_PIPE_1804	Z5_SGIL_4796	Z5_MH_5577	K2	228	0.015	Circular	1.00	-	6.3	6.3	6.3	6.4
Z5_PIPE_1807	Z5_IL_2725	Z5_IL_2726	J2	15	0.024	Circular	1.00	-	1.9	2.4	3.0	3.9
Z5_PIPE_1808	Z5_IL_2726	Z5_OF_4514	J2	14	0.024	Circular	1.25	-	1.9	2.4	3.0	3.9
Z5_PIPE_1809	Z5_IL_2965	Z5_MH_4204	J2	34	0.015	Circular	1.50	-	6.2	8.2	10.9	15.1
Z5_PIPE_1810	Z5_MH_3970	Z5_CB_112	J2	17	0.015	Circular	1.00	-	5.8	6.6	7.3	8.4
Z5_PIPE_1811	Z5_CB_112	Z5_CB_111	J2	64	0.015	Circular	1.50	-	5.8	6.6	7.3	8.4
Z5_PIPE_1812	Z5_MH_3966	Z5_MH_3969	J2	66	0.015	Circular	3.00	-	42.7	51.8	61.6	72.0
Z5_PIPE_1813	Z5_MH_3968	Z5_OF_4447	J2	145	0.024	Circular	4.00	-	50.5	61.3	73.4	85.4
Z5_PIPE_1814	Z5_MH_3969	Z5_MH_3968	J2	103	0.024	Circular	4.00	-	42.7	51.7	61.6	72.2
Z5_PIPE_1818	Z5_CB_642	Z5_MH_3979	J2	37	0.015	Circular	2.75	-	25.5	31.7	36.6	40.7
Z5_PIPE_1819	Z5_IL_3666	Z5_IL_3665	J2	127	0.015	Circular	2.75	-	29.2	35.9	42.7	47.9
Z5_PIPE_1820	Z5_IL_3663	Z5_MH_3971	J2	257	0.015	Circular	2.75	-	31.9	39.1	46.8	54.8
Z5_PIPE_1822	Z5_IL_1459	Z5_MH_3796	J2	22	0.015	Circular	1.00	-	0.0	0.0	0.0	0.0
Z5_PIPE_1823	Z5_IL_1460	Z5_MH_3796	J2	8	0.015	Circular	1.00	-	0.5	0.7	0.9	1.5
Z5_PIPE_1824	Z5_MH_3797	Z5_MH_3796	J2	256	0.015	Circular	1.75	-	12.6	16.2	17.0	19.0

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Zone 5 West Existing Pipes

Link ID*	From Node	To Node	County Grid #	Length (ft)	Manning's N	Shape	Max Depth (ft)	Bottom Width (ft)	Max Q (cfs)			
									5Yr	10Yr	25Yr	100Yr
Z5_PIPE_1825	Z5_MH_3798	Z5_MH_3797	H3	310	0.015	Circular	1.50	-	6.9	9.2	10.7	12.0
Z5_PIPE_1826	Z5_IL_1463	Z5_MH_3799	H3	32	0.015	Circular	1.25	-	5.4	7.5	11.4	11.5
Z5_PIPE_1827	Z5_IL_1462	Z5_MH_3799	H3	8	0.015	Circular	1.00	-	1.8	2.4	5.4	6.3
Z5_PIPE_1828	Z5_IL_994	Z5_IL_993	J2	9	0.015	Circular	1.00	-	0.7	0.9	1.4	4.3
Z5_PIPE_1829	Z5_IL_992	Z5_IL_993	J2	41	0.015	Circular	1.00	-	0.0	0.2	0.5	4.8
Z5_PIPE_1830	Z5_IL_993	Z5_MH_3797	H3	189	0.015	Circular	1.50	-	0.7	1.4	1.4	4.6
Z5_PIPE_1831	Z5_IL_1469	Z5_MH_4205	H3	8	0.015	Circular	1.00	-	5.8	8.0	6.2	7.2
Z5_PIPE_1832	Z5_IL_1470	Z5_MH_4205	H3	18	0.015	Circular	1.00	-	2.9	2.9	9.5	3.2
Z5_PIPE_1833	Z5_MH_4205	Z5_MH_4206	H3	46	0.015	Circular	1.25	-	7.4	9.1	8.6	8.6
Z5_PIPE_1834	Z5_IL_3338	Z5_MH_4207	H3	3	0.015	Circular	1.00	-	1.0	1.1	1.4	3.1
Z5_PIPE_1835	Z5_MH_4206	Z5_MH_4208	H3	96	0.015	Circular	1.25	-	7.4	8.1	9.3	7.1
Z5_PIPE_1836	Z5_IL_1468	Z5_MH_4208	H3	60	0.015	Circular	1.00	-	1.1	1.8	3.1	2.0
Z5_PIPE_1837	Z5_MH_4208	Z5_IL_1467	H3	48	0.015	Circular	1.25	-	8.1	9.2	9.0	14.5
Z5_PIPE_1838	Z5_IL_5574	Z5_MH_5160	H3	98	0.015	Circular	4.50	-	0.1	0.2	0.3	0.4
Z5_PIPE_1839	Z5_IL_2974	Z5_IL_3343	H3	225	0.015	Arch	4.00	5.50	187.9	228.7	266.7	298.4
Z5_PIPE_1840	Z5_MH_4210	Z5_OF_5042	H3	30	0.024	Rectangular	6.00	6.00	190.2	231.8	270.7	304.0
Z5_PIPE_1841	Z5_IL_3343	Z5_MH_4210	H3	7	0.015	Rectangular	4.00	5.00	187.9	228.7	266.7	298.4
Z5_PIPE_1842	Z5_IL_2736	Z5_MH_3831	H3	6	0.015	Circular	4.50	-	6.5	8.6	11.4	15.8
Z5_PIPE_1843	Z5_MH_3975	Z5_MH_4211	H3	48	0.015	Circular	4.50	-	8.8	11.7	15.7	21.7
Z5_PIPE_1844	Z5_IL_3344	Z5_MH_5146	G4	46	0.015	Circular	1.00	-	2.2	2.7	3.5	4.6
Z5_PIPE_1846	Z5_IL_3220	Z5_IL_3221	H3	43	0.010	Circular	1.00	-	1.6	1.6	1.6	1.9
Z5_PIPE_1849	Z5_IL_2997	Z5_OF_4420	G3	82	0.024	Circular	1.25	-	0.8	1.1	1.3	1.8
Z5_PIPE_1851	Z5_IL_2951	Z5_MH_5170	G3	81	0.015	Circular	1.00	-	0.0	0.0	0.0	0.0
Z5_PIPE_1852	Z5_IL_2952	Z5_MH_5170	G3	56	0.015	Circular	1.50	-	0.8	1.0	1.4	1.9
Z5_PIPE_1855	Z5_IL_3216	Z5_CB_184	G3	61	0.015	Circular	1.00	-	0.7	0.9	1.1	1.5
Z5_PIPE_1856	Z5_IL_2990	Z5_OF_4517	G3	24	0.015	Circular	1.50	-	5.3	6.7	8.5	11.2
Z5_PIPE_1857	Z5_SGIL_4697	Z5_OF_4518	H3	129	0.010	Circular	1.00	-	2.6	3.3	4.3	5.7
Z5_PIPE_1858	Z5_IL_2478	Z5_OF_4519	H2	38	0.015	Circular	2.25	-	20.5	24.2	29.2	36.7
Z5_PIPE_1859	Z5_MH_5155	Z5_MH_4011	H3	158	0.024	Circular	6.00	-	150.6	182.1	214.6	246.5
Z5_PIPE_1860	Z5_IL_1891	Z5_MH_5155	H3	42	0.015	Circular	1.67	-	6.2	6.8	7.7	8.5
Z5_PIPE_1863	Z5_IL_3348	Z5_IL_3349	J3	29	0.015	Circular	1.00	-	3.0	4.1	5.5	6.9
Z5_PIPE_1864	Z5_MH_3721	Z5_MH_4137	K3	559	0.015	Circular	3.00	-	37.3	48.0	62.0	76.1
Z5_PIPE_1865	Z5_IL_1088	Z5_MH_4137	K3	12	0.015	Circular	3.00	-	0.6	0.9	1.2	1.6
Z5_PIPE_1866	Z5_MH_4137	Z5_MH_5128	K3	208	0.015	Circular	3.50	-	41.1	53.1	69.1	85.3
Z5_PIPE_1867	Z5_IL_2847	Z5_MH_4137	K3	36	0.010	Circular	1.50	-	3.4	4.5	6.2	8.6
Z5_PIPE_1868	Z5_IL_2845	Z5_MH_5128	K3	10	0.015	Circular	1.75	-	1.1	1.4	1.9	2.7
Z5_PIPE_1869	Z5_IL_2846	Z5_IL_2847	K3	36	0.015	Circular	1.00	-	0.0	0.0	0.0	0.0
Z5_PIPE_1870	Z5_MH_3728	Z5_OF_5046	K4	95	0.015	Circular	1.00	-	1.6	2.1	2.9	4.1
Z5_PIPE_1871	Z5_IL_3258	Z5_OF_4446	K4	79	0.015	Circular	1.00	-	2.6	3.4	4.5	6.1
Z5_PIPE_1872	Z5_IL_3132	Z5_MH_3721	K3	8	0.015	Circular	1.00	-	1.4	1.9	2.6	4.7
Z5_PIPE_1874	Z5_MH_4131	Z5_OF_4442	K3	180	0.015	Circular	2.50	-	12.9	15.8	20.3	26.9
Z5_PIPE_1875	Z5_IL_1076	Z5_MH_3716	L3	9	0.015	Circular	1.00	-	2.2	2.3	2.6	3.6
Z5_PIPE_1876	Z5_IL_1484	Z5_IL_3321	L3	66	0.015	Circular	1.75	-	1.2	1.5	1.8	2.4
Z5_PIPE_1877	Z5_IL_3322	Z5_IL_1484	L3	68	0.010	Circular	1.25	-	1.2	1.5	1.8	2.4
Z5_PIPE_1878	Z5_IL_3350	Z5_CB_465	L3	287	0.015	Circular	1.75	-	7.4	8.7	10.2	12.2
Z5_PIPE_1879	Z5_IL_1486	Z5_IL_3350	L3	41	0.024	Arch	1.08	1.83	4.9	5.3	5.7	6.5
Z5_PIPE_1881	Z5_IL_3352	Z5_IL_1486	L3	74	0.015	Circular	1.00	-	4.9	5.3	5.7	6.5
Z5_PIPE_1883	Z5_IL_2831	Z5_IL_2979	K3	62	0.015	Circular	1.50	-	2.2	2.9	4.0	5.5
Z5_PIPE_1885	Z5_MH_3921	Z5_SGIL_4799	K3	80	0.015	Circular	3.50	-	19.7	33.9	48.2	61.4
Z5_PIPE_1886	Z5_IL_1488	Z5_IL_1491	J3	38	0.015	Circular	1.25	-	7.1	9.5	12.9	15.7
Z5_PIPE_1887	Z5_SGIL_4800	Z5_IL_1493	J3	86	0.015	Circular	1.75	-	10.4	14.1	19.1	26.9
Z5_PIPE_1888	Z5_IL_3366	Z5_IL_3367	J3	29	0.015	Circular	1.25	-	3.7	4.9	6.5	9.0
Z5_PIPE_1889	Z5_IL_1492	Z5_IL_3367	J3	174	0.015	Circular	1.50	-	7.1	9.5	12.9	15.7
Z5_PIPE_189	Z5_IL_3197	Z5_IL_3198	M2	23	0.015	Circular	1.25	-	4.4	5.6	7.4	9.9
Z5_PIPE_1890	Z5_IL_3367	Z5_SGIL_4800	J3	37	0.015	Circular	1.75	-	9.0	11.9	16.0	21.7
Z5_PIPE_1891	Z5_MH_4333	Z5_MH_5150	K3	192	0.015	Circular	2.50	-	34.8	34.9	35.0	34.9
Z5_PIPE_1892	Z5_SGIL_4801	Z5_IL_2851	K3	427	0.015	Circular	1.25	-	1.7	1.9	3.0	4.5
Z5_PIPE_1893	Z5_MH_3920	Z5_MH_4129	K3	415	0.015	Circular	2.50	-	23.0	27.1	31.5	33.8
Z5_PIPE_1894	Z5_IL_2774	Z5_MH_3920	K3	7	0.015	Circular	1.50	-	7.3	7.1	7.3	7.4
Z5_PIPE_1896	Z5_MH_4003	Z5_MH_4214	K3	281	0.015	Circular	2.00	-	11.7	13.4	15.8	17.8
Z5_PIPE_1897	Z5_MH_4214	Z5_MH_3920	K3	304	0.015	Circular	2.00	-	15.1	17.9	20.6	22.1
Z5_PIPE_1898	Z5_IL_3369	Z5_MH_4003	K3	30	0.015	Circular	1.50	-	0.8	1.0	1.4	4.7
Z5_PIPE_1899	Z5_IL_5505	Z5_MH_4215	K3	20	0.015	Circular	1.00	-	4.1	3.7	4.2	4.5
Z5_PIPE_190	Z5_IL_3198	Z5_OF_4465	M2	31	0.015	Circular	1.25	-	4.4	5.6	7.4	9.9
Z5_PIPE_1900	Z5_MH_4216	Z5_IL_5505	J3	282	0.015	Circular	1.75	-	12.9	14.3	14.4	16.3
Z5_PIPE_1901	Z5_IL_3370	Z5_MH_4216	J3	44	0.015	Circular	1.25	-	4.5	6.2	5.7	5.4
Z5_PIPE_1902	Z5_IL_3237	Z5_IL_3648	J3	63	0.015	Circular	1.50	-	4.0	5.3	7.1	9.8
Z5_PIPE_1903	Z5_MH_4217	Z5_MH_4216	J3	377	0.015	Circular	1.75	-	7.3	9.6	12.7	16.0
Z5_PIPE_191	Z5_IL_2812	Z5_OF_4406	M2	116	0.015	Circular	1.00	-	1.4	1.9	2.7	3.8
Z5_PIPE_1926	Z5_IL_3373	Z5_OF_4524	J3	28	0.015	Circular	1.00	-	1.1	1.5	2.0	2.7



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Zone 5 West Existing Pipes

Link ID*	From Node	To Node	County Grid #	Length (ft)	Manning's N	Shape	Max Depth (ft)	Bottom Width (ft)	Max Q (cfs)			
									5Yr	10Yr	25Yr	100Yr
Z5_PIPE_1927	Z5_IL_1878	Z5_IL_2976	J3	18	0.015	Circular	1.25	-	2.7	3.5	4.7	6.4
Z5_PIPE_1928	Z5_IL_2976	Z5_MH_4220	J3	19	0.015	Circular	1.25	-	2.7	3.5	4.7	6.4
Z5_PIPE_1929	Z5_MH_4220	Z5_MH_3974	J3	56	0.015	Circular	1.50	-	2.7	3.5	4.7	6.4
Z5_PIPE_1930	Z5_IL_3375	Z5_MH_3974	J3	15	0.015	Circular	1.00	-	0.0	0.0	0.0	0.0
Z5_PIPE_1931	Z5_MH_4221	Z5_MH_3910	J3	139	0.015	Circular	2.00	-	9.5	12.1	15.6	19.5
Z5_PIPE_1932	Z5_MH_4339	Z5_MH_4217	J3	62	0.015	Circular	2.00	-	2.9	3.7	4.9	6.9
Z5_PIPE_1933	Z5_IL_3124	Z5_MH_4222	J3	62	0.015	Circular	1.00	-	0.7	1.0	1.3	1.8
Z5_PIPE_1935	Z5_IL_2993	Z5_MH_4231	G3	77	0.015	Circular	1.00	-	5.0	6.1	6.6	6.4
Z5_PIPE_1936	Z5_MH_5168	Z5_OF_5572	H3	192	0.024	Circular	2.50	-	54.8	56.8	58.6	61.1
Z5_PIPE_1937	Z5_IL_4950	Z5_MH_5168	G3	36	0.015	Circular	1.25	-	4.0	4.3	4.4	3.3
Z5_PIPE_1938	Z5_IL_3347	Z5_CB_181	G3	109	0.015	Circular	1.00	-	2.0	2.3	2.8	3.5
Z5_PIPE_1952	Z5_IL_3236	Z5_IL_3283	H3	217	0.010	Circular	2.00	-	3.2	4.1	5.4	7.2
Z5_PIPE_1953	Z5_IL_3399	Z5_IL_1100	H4	184	0.010	Circular	2.50	-	11.7	14.0	17.2	21.8
Z5_PIPE_1954	Z5_IL_4955	Z5_MH_3810	J4	43	0.015	Circular	3.00	-	28.0	31.6	35.3	39.6
Z5_PIPE_1955	Z5_IL_1099	Z5_MH_4232	J3	27	0.010	Circular	1.00	-	0.0	0.0	0.0	0.1
Z5_PIPE_1956	Z5_IL_1100	Z5_MH_4232	J3	117	0.010	Circular	3.00	-	20.1	24.8	31.1	40.3
Z5_PIPE_1957	Z5_MH_4232	Z5_MH_4352	J3	192	0.010	Circular	2.50	-	20.1	24.8	31.1	40.3
Z5_PIPE_1958	Z5_IL_3400	Z5_MH_4232	J3	7	0.015	Circular	1.00	-	0.0	0.0	0.0	0.0
Z5_PIPE_1959	Z5_MH_3905	Z5_MH_4352	J3	32	0.015	Circular	1.50	-	1.6	2.2	3.1	4.3
Z5_PIPE_1961	Z5_IL_2420	Z5_OF_4381	L4	76	0.015	Circular	1.50	-	2.3	3.2	4.4	6.2
Z5_PIPE_1962	Z5_IL_1431	Z5_IL_1430	M3	20	0.015	Circular	1.00	-	1.2	1.6	2.2	3.0
Z5_PIPE_1963	Z5_IL_1430	Z5_MH_3778	M3	22	0.015	Circular	1.00	-	1.2	1.6	2.2	3.0
Z5_PIPE_1964	Z5_IL_1432	Z5_MH_3778	M3	27	0.015	Circular	1.00	-	0.0	0.0	0.0	0.0
Z5_PIPE_1965	Z5_IL_1428	Z5_MH_3777	M3	22	0.015	Circular	1.00	-	1.0	1.3	1.6	2.1
Z5_PIPE_1968	Z5_IL_1426	Z5_MH_3776	M3	21	0.015	Circular	1.00	-	1.6	2.1	2.7	3.6
Z5_PIPE_1970	Z5_IL_1425	Z5_MH_3775	M3	12	0.015	Circular	1.00	-	1.5	2.1	4.7	5.3
Z5_PIPE_1971	Z5_IL_1424	Z5_MH_3775	M3	26	0.015	Circular	1.00	-	3.1	3.9	4.8	5.0
Z5_PIPE_1974	Z5_CB_658	Z5_CB_659	K2	188	0.015	Circular	1.25	-	8.7	10.5	11.2	12.6
Z5_PIPE_1975	Z5_IL_3483	Z5_CB_698	L3	29	0.015	Circular	1.75	-	1.8	2.2	2.8	3.7
Z5_PIPE_1976	Z5_CB_698	Z5_CB_522	M3	64	0.015	Circular	2.00	-	13.0	16.0	17.8	19.7
Z5_PIPE_1977	Z5_IL_1788	Z5_SGIL_4685	F4	6	0.015	Circular	1.00	-	4.6	6.1	8.1	9.2
Z5_PIPE_1978	Z5_IL_2734	Z5_SGIL_4747	J3	320	0.010	Circular	1.50	-	0.7	1.0	1.3	1.8
Z5_PIPE_1979	Z5_SGIL_4747	Z5_MH_3818	K2	57	0.010	Circular	1.50	-	3.7	4.9	6.5	8.9
Z5_PIPE_1980	Z5_IL_2735	Z5_SGIL_4747	K2	34	0.010	Circular	1.25	-	3.1	4.0	5.4	7.4
Z5_PIPE_1981	Z5_IL_2698	Z5_MH_5137	F4	13	0.015	Circular	1.25	-	0.4	0.6	0.8	1.1
Z5_PIPE_1982	Z5_IL_3488	Z5_IL_2843	K3	174	0.015	Circular	1.25	-	4.3	5.3	5.5	5.8
Z5_PIPE_1983	Z5_IL_3489	Z5_IL_3490	K3	34	0.015	Circular	1.00	-	1.6	2.1	2.9	4.5
Z5_PIPE_1984	Z5_IL_3490	Z5_IL_3488	K3	227	0.015	Circular	1.00	-	1.6	2.1	2.3	2.8
Z5_PIPE_1985	Z5_CB_51	Z5_CB_52	M2	50	0.015	Circular	1.75	-	10.2	12.5	15.2	18.8
Z5_PIPE_1987	Z5_SGIL_4710	Z5_CB_530	J4	82	0.015	Circular	1.00	-	1.8	2.3	3.8	4.0
Z5_PIPE_1989	Z5_IL_5443	Z5_CB_533	J4	93	0.015	Circular	1.00	-	0.0	0.0	0.0	0.0
Z5_PIPE_1990	Z5_CB_533	Z5_CB_49	J4	101	0.010	Circular	1.00	-	0.0	0.0	0.1	0.1
Z5_PIPE_1991	Z5_CB_49	Z5_CB_532	J4	66	0.010	Circular	1.00	-	0.7	0.8	1.0	1.3
Z5_PIPE_1992	Z5_CB_532	Z5_CB_531	J4	236	0.010	Circular	1.00	-	1.2	1.5	2.0	2.6
Z5_PIPE_1993	Z5_CB_531	Z5_CB_172	K4	117	0.010	Circular	1.25	-	2.2	2.7	3.5	4.8
Z5_PIPE_1994	Z5_CB_530	Z5_CB_171	J4	140	0.015	Circular	1.25	-	7.3	9.5	11.8	13.0
Z5_PIPE_1995	Z5_CB_171	Z5_CB_172	J4	116	0.015	Circular	1.25	-	7.3	9.5	11.3	13.5
Z5_PIPE_1996	Z5_CB_172	Z5_OF_4435	J4	87	0.024	Circular	1.50	-	8.9	11.7	14.4	17.0
Z5_PIPE_1997	Z5_IL_1508	Z5_OF_5069	J4	74	0.015	Circular	1.00	-	0.8	1.1	1.3	1.7
Z5_PIPE_1999	Z5_IL_2530	Z5_IL_2529	J4	237	0.024	Circular	1.00	-	0.8	1.0	1.3	1.6
Z5_PIPE_2	Z5_IL_1564	Z5_IL_2835	K3	241	0.015	Circular	1.00	-	1.1	1.4	2.4	2.9
Z5_PIPE_2000	Z5_IL_2529	Z5_IL_2528	J4	102	0.024	Circular	1.00	-	0.8	1.0	1.4	1.7
Z5_PIPE_2001	Z5_IL_2528	Z5_IL_2527	J4	100	0.024	Circular	1.00	-	1.9	2.4	3.4	3.6
Z5_PIPE_2002	Z5_IL_2527	Z5_IL_2526	J4	120	0.024	Circular	1.00	-	1.9	2.4	3.4	3.6
Z5_PIPE_2004	Z5_CB_707	Z5_SGIL_4812	J4	101	0.010	Circular	1.00	-	1.1	1.4	1.9	2.6
Z5_PIPE_2005	Z5_SGIL_4812	Z5_CB_708	J4	27	0.010	Circular	1.00	-	1.1	1.4	1.9	2.6
Z5_PIPE_2006	Z5_CB_708	Z5_OF_5002	J4	93	0.010	Circular	1.00	-	1.1	1.4	1.9	2.6
Z5_PIPE_2009	Z5_IL_1865	Z5_IL_1864	G4	31	0.015	Circular	1.00	-	1.0	1.4	3.4	3.0
Z5_PIPE_2011	Z5_IL_1084	Z5_IL_1083	M3	26	0.015	Circular	1.50	-	1.7	2.3	2.9	3.9
Z5_PIPE_2012	Z5_SGIL_4616	Z5_OF_4458	M3	24	0.015	Circular	1.00	-	0.7	0.9	1.8	2.7
Z5_PIPE_2013	Z5_IL_4966	Z5_OF_4480	M3	74	0.015	Circular	1.50	-	35.6	42.5	47.5	51.1
Z5_PIPE_2014	Z5_MH_3929	Z5_IL_2824	L3	28	0.015	Circular	2.00	-	19.7	25.5	30.4	34.0
Z5_PIPE_2016	Z5_CB_660	Z5_CB_661	L3	59	0.015	Circular	1.75	-	13.4	16.6	19.1	21.6
Z5_PIPE_2017	Z5_CB_661	Z5_IL_2823	L3	79	0.015	Circular	1.75	-	13.4	16.6	19.1	21.6
Z5_PIPE_2018	Z5_IL_1188	Z5_IL_1189	L3	115	0.015	Circular	1.25	-	3.3	3.8	4.7	5.9
Z5_PIPE_2019	Z5_IL_3318	Z5_MH_4233	L3	18	0.015	Circular	1.00	-	1.4	1.8	2.3	3.1
Z5_PIPE_2020	Z5_MH_4233	Z5_IL_3319	L3	11	0.015	Circular	1.50	-	4.2	5.6	7.4	9.6
Z5_PIPE_2021	Z5_IL_3319	Z5_IL_3320	L3	188	0.015	Circular	1.50	-	4.2	5.6	7.4	9.3
Z5_PIPE_2022	Z5_IL_3406	Z5_MH_3718	L3	15	0.015	Circular	1.00	-	0.0	0.0	0.0	0.0
Z5_PIPE_2023	Z5_IL_1087	Z5_MH_4317	M3	18	0.015	Circular	1.50	-	4.2	5.6	7.8	10.1

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Zone 5 West Existing Pipes

Link ID*	From Node	To Node	County Grid #	Length (ft)	Manning's N	Shape	Max Depth (ft)	Bottom Width (ft)	Max Q (cfs)			
									5Yr	10Yr	25Yr	100Yr
Z5_PIPE_2024	Z5_MH_4317	Z5_OF_4531	M3	25	0.015	Circular	1.50	-	4.2	5.8	7.5	10.1
Z5_PIPE_2025	Z5_MH_4234	Z5_MH_4121	L3	56	0.015	Circular	1.75	-	5.2	7.2	9.7	13.4
Z5_PIPE_2026	Z5_MH_4121	Z5_MH_3929	L3	310	0.015	Circular	2.00	-	5.2	7.2	9.7	13.4
Z5_PIPE_2027	Z5_IL_1191	Z5_IL_1190	L3	193	0.015	Circular	1.00	-	1.6	2.4	3.6	5.2
Z5_PIPE_2031	Z5_IL_3417	Z5_MH_5133	H4	70	0.015	Circular	1.00	-	1.9	2.5	3.4	4.6
Z5_PIPE_2039	Z5_MH_3742	Z5_IL_1176	L2	13	0.015	Circular	1.00	-	3.4	4.3	5.4	7.0
Z5_PIPE_2041	Z5_MH_3746	Z5_SGMH_4848	L2	124	0.015	Circular	1.75	-	6.6	8.4	11.0	13.8
Z5_PIPE_2042	Z5_IL_2806	Z5_MH_3746	L2	8	0.015	Circular	1.25	-	2.2	2.8	3.6	4.9
Z5_PIPE_2043	Z5_SGMH_4848	Z5_MH_3743	M2	37	0.015	Circular	1.75	-	6.6	8.4	11.0	13.8
Z5_PIPE_2044	Z5_IL_2738	Z5_IL_2739	L1	31	0.015	Circular	1.00	-	1.2	1.5	2.1	2.9
Z5_PIPE_2045	Z5_MH_4329	Z5_MH_3951	M1	2	0.015	Circular	1.00	-	0.0	0.0	0.0	0.0
Z5_PIPE_2046	Z5_IL_3184	Z5_IL_3175	M1	8	0.015	Circular	1.00	-	1.2	1.6	2.1	2.9
Z5_PIPE_2047	Z5_IL_3175	Z5_IL_3174	M1	30	0.015	Circular	1.00	-	1.2	1.6	2.1	2.9
Z5_PIPE_2049	Z5_IL_2772	Z5_MH_3918	L1	12	0.015	Circular	1.00	-	4.3	5.1	8.1	6.1
Z5_PIPE_2050	Z5_IL_1193	Z5_MH_3745	M2	104	0.015	Circular	2.00	-	10.5	13.1	16.5	20.2
Z5_PIPE_2051	Z5_SGMH_4847	Z5_IL_1193	M2	20	0.015	Circular	2.00	-	10.5	13.1	16.5	20.2
Z5_PIPE_2052	Z5_MH_3744	Z5_MH_4315	M2	111	0.015	Circular	2.00	-	10.5	13.1	16.5	20.2
Z5_PIPE_2053	Z5_IL_1194	Z5_MH_3998	M2	422	0.015	Circular	2.00	-	8.6	10.9	13.9	16.8
Z5_PIPE_2054	Z5_MH_5378	Z5_IL_1179	M2	81	0.015	Circular	1.75	-	10.2	12.5	15.2	18.8
Z5_PIPE_2056	Z5_MH_3842	Z5_MH_4198	M2	155	0.015	Circular	3.50	-	18.9	23.6	29.7	34.8
Z5_PIPE_2057	Z5_IL_2816	Z5_MH_3928	M2	7	0.015	Circular	1.25	-	1.4	1.7	2.3	3.1
Z5_PIPE_2058	Z5_SGIL_4724	Z5_MH_3800	M2	20	0.015	Circular	1.00	-	1.1	1.4	1.8	2.4
Z5_PIPE_2059	Z5_MH_4169	Z5_MH_3928	M2	125	0.015	Circular	2.00	-	7.5	9.7	12.7	16.9
Z5_PIPE_2060	Z5_IL_3321	Z5_MH_3717	L3	39	0.010	Circular	2.00	-	6.5	8.4	11.1	14.6
Z5_PIPE_2061	Z5_MH_3717	Z5_MH_3800	M2	180	0.010	Circular	2.00	-	6.5	8.4	11.1	14.6
Z5_PIPE_2064	Z5_MH_3839	Z5_MH_4199	M2	16	0.015	Circular	1.50	-	4.7	5.2	5.7	6.3
Z5_PIPE_2066	Z5_IL_2176	Z5_MH_3839	M2	26	0.015	Circular	3.00	-	22.1	25.2	28.2	31.7
Z5_PIPE_2067	Z5_IL_2516	Z5_CB_43	M2	51	0.015	Circular	1.75	-	17.6	21.4	26.1	28.7
Z5_PIPE_2068	Z5_SGIL_4809	Z5_MH_5152	K2	58	0.015	Circular	2.00	-	13.9	17.8	22.2	29.0
Z5_PIPE_2069	Z5_SGIL_4810	Z5_MH_5152	K2	26	0.015	Circular	1.00	-	1.7	2.2	3.0	4.1
Z5_PIPE_2071	Z5_IL_1685	Z5_IL_1684	J4	70	0.015	Circular	1.50	-	1.2	1.9	2.8	4.2
Z5_PIPE_2072	Z5_IL_1684	Z5_IL_1683	J4	69	0.015	Circular	1.50	-	1.2	1.9	2.8	4.2
Z5_PIPE_2073	Z5_IL_1683	Z5_IL_1682	J4	59	0.015	Circular	1.50	-	1.6	2.4	3.5	5.2
Z5_PIPE_2074	Z5_IL_1682	Z5_IL_1681	J4	60	0.015	Circular	1.50	-	1.6	2.4	3.5	5.2
Z5_PIPE_2077	Z5_IL_1681	Z5_IL_1680	J4	60	0.015	Circular	1.50	-	1.6	2.4	3.5	5.2
Z5_PIPE_2078	Z5_IL_1680	Z5_IL_1679	J4	57	0.015	Circular	1.50	-	1.6	2.4	3.5	5.2
Z5_PIPE_2079	Z5_IL_1679	Z5_IL_1678	J4	65	0.015	Circular	1.50	-	3.4	4.6	6.3	8.9
Z5_PIPE_2080	Z5_IL_1678	Z5_IL_1272	J4	56	0.015	Circular	1.50	-	3.4	4.6	6.3	8.9
Z5_PIPE_2081	Z5_IL_1272	Z5_OF_5016	J4	112	0.015	Circular	1.50	-	3.4	4.6	6.3	8.9
Z5_PIPE_2097	Z5_IL_4936	Z5_CB_261	F3	29	0.024	Circular	1.00	-	1.3	1.5	1.8	2.2
Z5_PIPE_2102	Z5_IL_3475	Z5_IL_3474	F3	45	0.010	Circular	1.00	-	2.9	3.6	4.6	6.1
Z5_PIPE_2103	Z5_IL_3474	Z5_SGIL_4765	F3	153	0.010	Circular	1.00	-	2.9	3.6	4.6	6.1
Z5_PIPE_2104	Z5_MH_4248	Z5_IL_3475	F3	94	0.010	Circular	1.00	-	2.9	3.6	4.6	6.1
Z5_PIPE_2105	Z5_IL_3042	Z5_SGIL_4765	F3	81	0.010	Circular	1.00	-	0.6	0.7	2.0	4.3
Z5_PIPE_2106	Z5_SGIL_4765	Z5_IL_2962	F3	111	0.015	Circular	1.00	-	6.1	7.4	8.9	9.1
Z5_PIPE_2112	Z5_IL_3493	Z5_IL_1774	G4	159	0.015	Circular	1.00	-	1.2	1.5	1.9	2.5
Z5_PIPE_2113	Z5_IL_3494	Z5_IL_3493	G4	48	0.015	Circular	1.00	-	1.2	1.5	1.9	2.5
Z5_PIPE_2114	Z5_CB_400	Z5_CB_399	F4	239	0.024	Circular	1.00	-	0.8	1.1	1.4	1.8
Z5_PIPE_2116	Z5_MH_4081	Z5_MH_4082	F4	106	0.024	Circular	1.50	-	7.1	7.5	7.6	8.2
Z5_PIPE_2227	Z5_MH_4252	Z5_MH_5139	F4	128	0.015	Circular	1.00	-	3.9	4.2	4.3	4.4
Z5_PIPE_2228	Z5_MH_4251	Z5_IL_3485	G3	159	0.015	Circular	1.00	-	4.1	4.0	4.1	3.9
Z5_PIPE_2229	Z5_IL_3485	Z5_IL_3045	G3	96	0.015	Circular	1.25	-	4.8	4.6	4.6	4.3
Z5_PIPE_223	Z5_IL_1647	Z5_CB_261	F3	37	0.015	Circular	1.00	-	0.6	0.7	0.9	1.1
Z5_PIPE_2236	Z5_SGIL_4709	Z5_MH_4260	J4	77	0.010	Circular	1.00	-	3.1	4.0	7.7	8.2
Z5_PIPE_2290	Z5_MH_4261	Z5_IL_3514	L4	68	0.010	Circular	1.00	-	1.5	1.6	2.0	2.7
Z5_PIPE_2324	Z5_MH_3923	Z5_IL_2783	L4	104	0.015	Circular	1.75	-	1.8	2.8	4.2	6.4
Z5_PIPE_2325	Z5_MH_3922	Z5_MH_3956	L4	179	0.015	Circular	1.75	-	2.0	3.2	4.7	7.1
Z5_PIPE_2326	Z5_MH_3956	Z5_MH_4264	L4	24	0.015	Circular	1.75	-	2.2	3.4	5.1	7.7
Z5_PIPE_2327	Z5_MH_4264	Z5_OF_4570	L4	58	0.015	Circular	1.75	-	2.2	3.4	5.1	7.7
Z5_PIPE_2328	Z5_IL_2782	Z5_OF_4405	L4	46	0.015	Circular	1.00	-	11.6	15.0	16.5	18.3
Z5_PIPE_2344	Z5_IL_3676	Z5_CB_642	J2	111	0.015	Circular	2.75	-	25.5	31.7	36.6	40.7
Z5_PIPE_2345	Z5_IL_3153	Z5_IL_3154	J3	38	0.024	Circular	1.00	-	0.0	0.0	0.0	0.0
Z5_PIPE_2365	Z5_MH_4141	Z5_MH_4270	K4	416	0.015	Circular	3.50	-	44.1	55.9	70.9	85.3
Z5_PIPE_2366	Z5_CB_538	Z5_MH_4271	K4	14	0.015	Circular	1.00	-	0.7	1.0	1.4	7.8
Z5_PIPE_2367	Z5_MH_5567	Z5_MH_4196	K4	55	0.015	Circular	3.50	-	46.3	59.0	74.9	86.1
Z5_PIPE_2368	Z5_MH_4271	Z5_MH_4270	K4	31	0.015	Circular	1.00	-	0.8	1.0	1.4	6.7
Z5_PIPE_2369	Z5_SGIL_4746	Z5_MH_4272	J4	453	0.015	Circular	1.50	-	4.2	5.4	7.0	9.2
Z5_PIPE_2370	Z5_IL_3536	Z5_SGIL_4746	J4	446	0.015	Circular	1.25	-	0.8	1.0	1.2	1.6
Z5_PIPE_2374	Z5_IL_3537	Z5_MH_4144	J4	52	0.015	Circular	1.75	-	3.0	3.6	4.5	6.1
Z5_PIPE_2375	Z5_MH_4144	Z5_MH_4143	K4	292	0.015	Circular	3.50	-	37.5	47.5	60.5	72.5

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Zone 5 West Existing Pipes

Link ID*	From Node	To Node	County Grid #	Length (ft)	Manning's N	Shape	Max Depth (ft)	Bottom Width (ft)	Max Q (cfs)			
									5Yr	10Yr	25Yr	100Yr
Z5_PIPE_2376	Z5_MH_4194	Z5_MH_4144	J4	319	0.015	Circular	3.50	-	31.0	39.3	49.9	57.8
Z5_PIPE_2377	Z5_IL_3538	Z5_MH_4194	J4	52	0.015	Circular	1.25	-	2.0	2.6	3.5	4.9
Z5_PIPE_2379	Z5_IL_1065	Z5_MH_4273	J4	9	0.015	Circular	3.00	-	26.1	33.1	42.1	47.6
Z5_PIPE_2380	Z5_MH_4273	Z5_MH_3714	J4	441	0.015	Circular	3.00	-	26.2	33.1	42.0	47.8
Z5_PIPE_2422	Z5_CB_165	Z5_CB_164	K4	292	0.015	Circular	1.00	-	1.9	2.8	4.0	6.2
Z5_PIPE_2423	Z5_CB_164	Z5_MH_4001	K4	121	0.015	Circular	1.50	-	4.5	6.6	9.5	14.0
Z5_PIPE_2424	Z5_MH_4001	Z5_OF_4590	K4	161	0.015	Circular	1.50	-	17.6	18.5	19.1	22.1
Z5_PIPE_2425	Z5_MH_4319	Z5_OF_4591	K4	60	0.015	Circular	1.00	-	3.9	5.0	6.6	9.0
Z5_PIPE_2426	Z5_IL_2467	Z5_CB_164	K4	43	0.015	Circular	1.50	-	3.2	4.6	6.5	9.2
Z5_PIPE_2427	Z5_CB_170	Z5_IL_2467	K4	133	0.015	Circular	1.75	-	2.1	3.2	4.6	6.7
Z5_PIPE_2428	Z5_CB_166	Z5_MH_4320	K4	291	0.015	Circular	1.75	-	2.1	3.2	4.6	6.7
Z5_PIPE_2429	Z5_IL_2468	Z5_CB_166	K4	323	0.015	Circular	1.75	-	1.0	1.3	1.8	2.5
Z5_PIPE_2431	Z5_MH_3868	Z5_CB_166	K4	14	0.024	Circular	1.00	-	1.3	2.1	3.1	4.6
Z5_PIPE_2432	Z5_IL_2469	Z5_IL_2468	L4	31	0.015	Circular	1.50	-	1.0	1.3	1.8	2.5
Z5_PIPE_2433	Z5_IL_2944	Z5_IL_2469	L4	43	0.024	Arch	0.92	1.50	1.0	1.3	1.8	2.5
Z5_PIPE_2434	Z5_MH_4276	Z5_MH_4277	K4	220	0.015	Circular	1.50	-	7.9	11.3	13.7	15.6
Z5_PIPE_2435	Z5_MH_4277	Z5_MH_4278	K4	87	0.015	Circular	1.50	-	11.1	15.4	18.2	20.1
Z5_PIPE_2436	Z5_MH_4278	Z5_MH_3999	K4	78	0.015	Circular	2.00	-	11.1	15.4	18.3	20.1
Z5_PIPE_2437	Z5_MH_3999	Z5_IL_2789	K4	57	0.024	Circular	2.00	-	12.4	17.0	21.1	23.5
Z5_PIPE_2438	Z5_IL_2789	Z5_MH_4001	K4	60	0.015	Circular	2.00	-	13.7	19.2	24.2	27.9
Z5_PIPE_2439	Z5_SGIL_4749	Z5_MH_3999	K4	69	0.015	Circular	1.00	-	1.1	1.3	1.7	2.2
Z5_PIPE_2441	Z5_IL_5175	Z5_MH_4276	K4	150	0.015	Circular	1.50	-	7.9	11.3	13.7	15.6
Z5_PIPE_2444	Z5_IL_2939	Z5_IL_2938	K4	34	0.015	Circular	1.00	-	2.6	3.6	4.9	7.2
Z5_PIPE_2445	Z5_IL_2938	Z5_OF_4574	K4	145	0.010	Circular	2.00	-	5.1	7.2	10.1	14.5
Z5_PIPE_2446	Z5_IL_2936	Z5_IL_2938	K4	226	0.010	Circular	2.00	-	2.5	3.7	5.2	7.6
Z5_PIPE_2447	Z5_IL_2937	Z5_IL_2936	K4	154	0.010	Circular	1.50	-	2.0	2.9	4.1	5.9
Z5_PIPE_2448	Z5_CB_539	Z5_CB_540	K4	147	0.010	Circular	1.00	-	0.6	0.8	1.1	1.6
Z5_PIPE_2449	Z5_CB_540	Z5_IL_2937	L4	128	0.010	Circular	1.00	-	0.6	0.8	1.1	1.6
Z5_PIPE_2450	Z5_IL_2941	Z5_IL_2940	K4	29	0.015	Circular	1.00	-	0.8	1.3	2.0	3.1
Z5_PIPE_2451	Z5_IL_2940	Z5_IL_5175	K4	305	0.015	Circular	1.00	-	0.8	1.3	2.0	3.0
Z5_PIPE_2520	Z5_MH_4272	Z5_MH_4196	K4	30	0.015	Circular	1.50	-	4.2	5.4	6.9	11.6
Z5_PIPE_2527	Z5_IL_3195	Z5_IL_3205	H2	108	0.015	Circular	2.00	-	6.8	8.7	11.2	15.1
Z5_PIPE_2535	Z5_MH_3802	Z5_MH_3801	M1	54	0.015	Circular	2.00	-	4.7	6.3	8.5	11.3
Z5_PIPE_2536	Z5_MH_3803	Z5_MH_3802	M1	187	0.015	Circular	2.00	-	4.1	5.0	6.3	8.3
Z5_PIPE_2537	Z5_IL_1494	Z5_MH_3803	M1	45	0.015	Circular	1.00	-	1.1	1.4	1.9	2.7
Z5_PIPE_2539	Z5_IL_1496	Z5_MH_3803	M1	28	0.015	Circular	2.00	-	3.6	4.5	5.0	5.8
Z5_PIPE_2540	Z5_IL_2762	Z5_SGMH_4856	M1	40	0.015	Circular	1.25	-	0.7	0.9	1.2	1.6
Z5_PIPE_2541	Z5_IL_1497	Z5_SGMH_4856	M1	12	0.015	Circular	1.25	-	3.3	4.2	4.5	4.9
Z5_PIPE_2542	Z5_IL_2805	Z5_SGMH_4868	M2	56	0.010	Circular	1.00	-	3.1	3.7	4.4	5.5
Z5_PIPE_2543	Z5_SGMH_4868	Z5_OF_4474	M2	143	0.010	Circular	1.00	-	3.1	3.7	4.4	5.5
Z5_PIPE_2544	Z5_IL_1176	Z5_MH_4119	L2	75	0.010	Circular	2.00	-	3.4	4.3	5.4	7.0
Z5_PIPE_2545	Z5_MH_4119	Z5_CB_457	L2	50	0.010	Circular	2.00	-	3.4	4.3	5.4	7.0
Z5_PIPE_2546	Z5_CB_460	Z5_OF_5025	L2	60	0.024	Circular	2.00	-	5.1	6.4	8.2	10.8
Z5_PIPE_2551	Z5_MH_4330	Z5_IL_2807	L2	104	0.015	Circular	1.50	-	3.4	4.3	5.7	7.9
Z5_PIPE_2552	Z5_IL_1195	Z5_MH_3746	L2	23	0.015	Circular	1.25	-	1.2	1.6	2.1	4.4
Z5_PIPE_2553	Z5_IL_2807	Z5_MH_3746	L2	198	0.015	Circular	1.50	-	3.4	4.3	5.7	7.9
Z5_PIPE_2554	Z5_SGMH_4856	Z5_IL_1496	M1	303	0.015	Circular	1.75	-	3.6	4.5	5.0	5.8
Z5_PIPE_2555	Z5_MH_3743	Z5_IL_1177	M2	134	0.015	Circular	2.00	-	6.6	8.4	11.0	13.8
Z5_PIPE_2556	Z5_SGIL_4623	Z5_CB_51	M2	125	0.015	Circular	1.75	-	10.2	12.5	15.2	18.8
Z5_PIPE_2557	Z5_IL_3535	Z5_IL_3314	K4	145	0.015	Circular	1.00	-	2.1	2.6	3.4	3.3
Z5_PIPE_2565	Z5_CB_842	Z5_CB_843	J4	24	0.015	Circular	1.00	-	1.1	1.4	1.9	3.5
Z5_PIPE_2566	Z5_CB_843	Z5_CB_844	J4	209	0.015	Circular	1.25	-	4.3	5.5	7.0	8.5
Z5_PIPE_2567	Z5_CB_844	Z5_MH_4300	J4	85	0.015	Circular	1.25	-	4.3	5.5	7.0	9.1
Z5_PIPE_2569	Z5_CB_841	Z5_CB_839	J4	78	0.015	Circular	1.50	-	3.8	4.8	6.1	8.1
Z5_PIPE_2571	Z5_CB_839	Z5_MH_4295	J4	16	0.015	Circular	1.50	-	3.8	4.8	6.1	8.1
Z5_PIPE_2572	Z5_MH_4295	Z5_CB_838	J4	282	0.015	Circular	1.75	-	4.7	6.0	7.7	10.2
Z5_PIPE_2573	Z5_CB_838	Z5_CB_837	J4	35	0.015	Circular	2.00	-	4.7	6.0	7.7	10.2
Z5_PIPE_2574	Z5_CB_837	Z5_CB_836	J4	73	0.015	Circular	1.75	-	6.7	8.7	11.3	15.2
Z5_PIPE_2575	Z5_CB_836	Z5_CB_835	J4	67	0.015	Circular	2.00	-	6.7	8.7	11.3	15.3
Z5_PIPE_2576	Z5_CB_835	Z5_MH_4297	J4	74	0.015	Circular	2.25	-	6.7	8.7	11.3	15.3
Z5_PIPE_2578	Z5_CB_833	Z5_CB_832	J4	52	0.015	Circular	1.50	-	5.3	6.5	7.9	10.2
Z5_PIPE_2579	Z5_CB_831	Z5_MH_4297	J4	271	0.015	Circular	1.75	-	8.7	10.6	12.8	14.3
Z5_PIPE_2587	Z5_IL_2857	Z5_CB_518	K3	68	0.015	Circular	1.00	-	0.7	1.0	1.3	1.8
Z5_PIPE_2588	Z5_CB_518	Z5_SGIL_4801	K3	208	0.015	Circular	1.00	-	0.7	1.0	1.3	1.8
Z5_PIPE_2589	Z5_CB_127	Z5_OF_5040	J3	129	0.024	Circular	1.00	-	0.8	1.0	1.4	2.0
Z5_PIPE_2590	Z5_CB_568	Z5_OF_5041	J3	148	0.024	Circular	1.00	-	1.1	1.4	1.9	2.7
Z5_PIPE_2591	Z5_IL_3341	Z5_IL_3342	H3	33	0.015	Circular	4.50	-	5.5	7.2	9.7	13.4
Z5_PIPE_2592	Z5_IL_3342	Z5_IL_2736	H3	216	0.015	Circular	4.50	-	5.5	7.2	9.7	13.4
Z5_PIPE_2593	Z5_CB_126	Z5_CB_125	H3	34	0.015	Circular	1.00	-	1.4	1.8	2.3	3.1
Z5_PIPE_2594	Z5_CB_124	Z5_MH_3977	H3	46	0.015	Circular	1.00	-	1.8	2.4	3.2	4.4

\*The term "NEW" in a Link ID does not reflect the age or condition of the actual link. It is modeling nomenclature only.

Zone 5 West Existing Pipes

Link ID*	From Node	To Node	County Grid #	Length (ft)	Manning's N	Shape	Max Depth (ft)	Bottom Width (ft)	Max Q (cfs)			
									5Yr	10Yr	25Yr	100Yr
Z5_PIPE_2595	Z5_CB_125	Z5_MH_3977	H3	28	0.015	Circular	1.00	-	1.4	1.8	2.3	3.1
Z5_PIPE_2596	Z5_MH_3977	Z5_MH_3976	H3	89	0.015	Circular	1.50	-	3.1	4.1	5.4	7.4
Z5_PIPE_2598	Z5_IL_3411	Z5_IL_1188	L3	56	0.024	Parabolic	1.25	0.63	1.8	2.0	2.1	2.4
Z5_PIPE_2599	Z5_CB_500	Z5_IL_3411	L3	103	0.015	Rectangular	1.08	1.83	2.9	3.6	4.9	4.7
Z5_PIPE_2600	Z5_CB_501	Z5_CB_499	L3	165	0.010	Circular	1.00	-	1.6	2.2	3.0	4.6
Z5_PIPE_2601	Z5_CB_499	Z5_CB_500	L3	91	0.010	Circular	1.00	-	2.7	3.6	4.9	7.4
Z5_PIPE_2602	Z5_IL_2781	Z5_CB_501	L3	99	0.015	Circular	1.00	-	1.2	1.6	2.1	3.9
Z5_PIPE_2603	Z5_IL_2853	Z5_IL_3116	K3	147	0.015	Circular	1.00	-	0.2	0.2	0.1	0.4
Z5_PIPE_2616	Z5_CB_849	Z5_MH_4145	K4	24	0.015	Circular	1.25	-	2.2	2.0	2.1	2.4
Z5_PIPE_2635	Z5_IL_3154	Z5_MH_5159	J3	68	0.024	Circular	1.00	-	0.0	0.0	0.0	0.0
Z5_PIPE_2636	Z5_MH_3974	Z5_OF_4583	J3	101	0.024	Circular	1.50	-	2.7	3.5	4.7	6.4
Z5_PIPE_2638	Z5_IL_3164	Z5_OF_4452	M1	33	0.015	Circular	1.25	-	0.8	1.1	1.4	1.9
Z5_PIPE_2640	Z5_CB_829	Z5_CB_830	J4	34	0.015	Circular	1.00	-	0.7	1.0	1.5	2.1
Z5_PIPE_2641	Z5_CB_830	Z5_MH_4301	J4	277	0.015	Circular	1.00	-	0.7	1.0	1.4	2.2
Z5_PIPE_2642	Z5_MH_4300	Z5_MH_4299	J4	101	0.015	Circular	2.00	-	7.8	10.2	13.3	17.5
Z5_PIPE_2643	Z5_MH_4299	Z5_MH_4298	J4	23	0.015	Circular	2.00	-	7.8	10.2	13.3	17.7
Z5_PIPE_2644	Z5_MH_4298	Z5_MH_4297	J4	126	0.015	Circular	2.00	-	9.0	11.8	15.4	19.7
Z5_PIPE_2646	Z5_MH_4297	Z5_IL_1065	J4	253	0.015	Circular	3.00	-	24.2	30.7	39.4	46.3
Z5_PIPE_2647	Z5_CB_832	Z5_CB_858	J4	21	0.015	Circular	1.75	-	5.3	6.5	7.9	10.2
Z5_PIPE_2648	Z5_CB_858	Z5_CB_831	J4	163	0.015	Circular	1.75	-	5.3	6.5	8.0	10.2
Z5_PIPE_2658	Z5_IL_2999	Z5_MH_4008	H2	10	0.015	Circular	1.25	-	1.9	2.5	3.2	4.4
Z5_PIPE_2659	Z5_MH_5166	Z5_MH_4312	H2	41	0.015	Circular	2.00	-	5.1	6.4	8.3	11.2
Z5_PIPE_2660	Z5_IL_3135	Z5_MH_4312	H2	35	0.015	Circular	1.50	-	0.7	0.9	1.1	1.5
Z5_PIPE_2661	Z5_MH_4170	Z5_MH_4008	H2	51	0.015	Circular	1.25	-	2.2	2.6	3.1	3.9
Z5_PIPE_2662	Z5_MH_4293	Z5_MH_4304	H2	165	0.010	Circular	2.00	-	6.7	8.5	10.9	16.8
Z5_PIPE_2664	Z5_IL_1177	Z5_IL_1194	M2	132	0.015	Circular	2.00	-	8.6	10.9	13.9	17.0
Z5_PIPE_2683	Z5_IL_2593	Z5_MH_5153	M1	68	0.015	Circular	1.50	-	0.0	0.0	0.0	0.0
Z5_PIPE_2686	Z5_SGMH_4869	Z5_OF_4585	K3	103	0.015	Circular	3.50	-	42.2	54.6	71.1	88.6
Z5_PIPE_2687	Z5_MH_4209	Z5_IL_3341	H3	108	0.015	Circular	4.50	-	3.1	4.1	5.4	7.5
Z5_PIPE_2692	Z5_CB_902	Z5_OF_4586	L4	80	0.024	Circular	1.00	-	2.3	3.1	4.2	5.6
Z5_PIPE_2693	Z5_CB_4912	Z5_OF_4449	J3	60	0.024	Circular	1.00	-	0.5	0.7	0.9	1.3
Z5_PIPE_2694	Z5_CB_296	Z5_OF_4427	G3	154	0.015	Circular	1.50	-	10.1	11.9	14.2	17.8
Z5_PIPE_2706	Z5_SGIL_4769	Z5_OF_5054	G4	93	0.024	Circular	1.75	-	5.8	7.5	9.1	10.2
Z5_PIPE_2708	Z5_MH_4211	Z5_MH_4311	J3	580	0.015	Circular	4.50	-	8.8	11.7	15.7	21.7
Z5_PIPE_2713	Z5_IL_1646	Z5_OF_5052	E3	81	0.024	Circular	1.00	-	0.4	0.6	0.8	1.3
Z5_PIPE_2714	Z5_IL_2988	Z5_IL_2989	H2	64	0.015	Circular	3.00	-	16.4	20.9	26.9	34.0
Z5_PIPE_2716	Z5_CB_174	Z5_IL_2988	H2	286	0.015	Circular	2.00	-	12.2	15.5	19.9	24.4
Z5_PIPE_2717	Z5_MH_4006	Z5_CB_174	H2	14	0.015	Circular	2.00	-	9.5	12.1	15.8	19.6
Z5_PIPE_2718	Z5_IL_3044	Z5_IL_3043	G3	57	0.015	Circular	1.50	-	10.1	11.9	14.3	17.8
Z5_PIPE_2719	Z5_IL_3043	Z5_CB_296	G3	168	0.015	Circular	1.50	-	10.1	11.9	14.3	17.8
Z5_PIPE_2720	Z5_IL_3340	Z5_OF_5043	H3	109	0.015	Circular	1.00	-	1.0	1.3	1.7	2.4
Z5_PIPE_2721	Z5_IL_2989	Z5_OF_4999	H2	64	0.015	Circular	3.00	-	18.2	23.0	29.6	37.4
Z5_PIPE_2722	Z5_IL_2731	Z5_MH_3906	J3	14	0.015	Circular	1.00	-	0.0	0.0	0.0	1.2
Z5_PIPE_2723	Z5_CB_437	Z5_CB_438	D4	33	0.015	Circular	1.00	-	3.2	4.3	5.8	6.1
Z5_PIPE_2724	Z5_CB_438	Z5_CB_439	D4	73	0.015	Circular	1.00	-	3.8	5.1	6.9	7.3
Z5_PIPE_2726	Z5_MH_3882	Z5_IL_2575	K2	65	0.015	Circular	1.50	-	7.3	9.1	11.0	14.0
Z5_PIPE_2727	Z5_IL_2575	Z5_MH_3950	K2	153	0.015	Circular	1.50	-	7.3	9.1	11.0	14.0
Z5_PIPE_2729	Z5_MH_3888	Z5_MH_3882	L2	471	0.015	Circular	1.50	-	4.9	6.2	7.5	9.5
Z5_PIPE_2730	Z5_MH_3945	Z5_MH_3890	K2	121	0.015	Circular	1.50	-	2.7	3.4	4.3	5.5
Z5_PIPE_2731	Z5_IL_2740	Z5_MH_3890	K2	11	0.015	Circular	1.00	-	0.0	0.0	0.0	1.3
Z5_PIPE_2732	Z5_MH_3890	Z5_MH_3889	K2	68	0.015	Circular	1.50	-	2.7	3.4	4.3	5.5
Z5_PIPE_2733	Z5_MH_3889	Z5_MH_3913	K2	92	0.015	Circular	1.50	-	3.5	4.4	5.6	6.9
Z5_PIPE_2734	Z5_MH_3887	Z5_MH_3913	K2	235	0.015	Circular	1.50	-	0.8	1.0	1.4	3.4
Z5_PIPE_2735	Z5_CB_327	Z5_CB_326	F4	44	0.015	Circular	1.75	-	5.4	8.1	11.8	17.6
Z5_PIPE_2736	Z5_CB_326	Z5_MH_5144	G3	372	0.015	Circular	2.00	-	5.4	8.1	11.8	17.5
Z5_PIPE_2737	Z5_MH_5143	Z5_MH_4114	G3	117	0.024	Arch	3.17	4.75	75.8	87.5	91.1	96.3
Z5_PIPE_2738	Z5_CB_324	Z5_CB_323	F4	34	0.024	Parabolic	1.50	0.92	4.0	4.9	5.6	7.0
Z5_PIPE_2739	Z5_CB_439	Z5_OF_4433	D4	12	0.024	Circular	1.00	-	3.8	5.1	6.9	7.3
Z5_PIPE_2740	Z5_CB_441	Z5_CB_442	D4	43	0.015	Circular	1.00	-	2.3	3.1	4.2	5.6
Z5_PIPE_2741	Z5_CB_442	Z5_CB_443	D4	110	0.024	Circular	1.00	-	2.3	3.1	4.2	5.5
Z5_PIPE_2742	Z5_MH_4105	Z5_MH_4920	E4	127	0.015	Circular	1.25	-	8.0	10.7	14.4	19.5
Z5_PIPE_2743	Z5_CB_436	Z5_OF_4432	D4	131	0.024	Circular	1.00	-	1.2	1.6	2.2	3.0
Z5_PIPE_2744	Z5_CB_415	Z5_CB_414	D4	38	0.015	Circular	1.00	-	5.4	7.0	9.1	10.8
Z5_PIPE_2745	Z5_CB_414	Z5_OF_4498	D4	73	0.024	Circular	1.25	-	5.4	7.0	9.1	10.8
Z5_PIPE_2746	Z5_IL_3092	Z5_MH_4097	D4	50	0.015	Circular	1.25	-	2.0	2.6	3.5	5.0
Z5_PIPE_2747	Z5_CB_416	Z5_MH_4097	D4	41	0.015	Circular	1.25	-	1.7	2.3	3.0	4.3
Z5_PIPE_2748	Z5_MH_4097	Z5_MH_4098	D4	342	0.015	Circular	1.50	-	3.6	4.9	6.6	9.2
Z5_PIPE_2749	Z5_MH_4098	Z5_MH_4099	D4	123	0.015	Circular	2.00	-	5.7	7.7	10.4	14.6
Z5_PIPE_2750	Z5_MH_4099	Z5_MH_4100	D4	108	0.015	Circular	2.00	-	5.7	7.7	10.4	14.6
Z5_PIPE_2751	Z5_CB_418	Z5_MH_4100	D4	18	0.015	Circular	1.00	-	0.0	0.0	0.0	0.0

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Zone 5 West Existing Pipes

Link ID*	From Node	To Node	County Grid #	Length (ft)	Manning's N	Shape	Max Depth (ft)	Bottom Width (ft)	Max Q (cfs)			
									5Yr	10Yr	25Yr	100Yr
Z5_PIPE_2752	Z5_IL_2992	Z5_CB_185	G3	39	0.015	Circular	1.50	-	1.9	2.5	3.2	4.4
Z5_PIPE_2753	Z5_CB_186	Z5_CB_185	G3	88	0.015	Circular	1.00	-	0.0	0.0	0.0	0.0
Z5_PIPE_2754	Z5_CB_419	Z5_MH_4100	D4	14	0.015	Circular	1.00	-	0.5	0.7	1.0	1.3
Z5_PIPE_2755	Z5_MH_4100	Z5_OF_4487	D4	95	0.015	Circular	2.00	-	6.2	8.3	11.3	15.8
Z5_PIPE_2756	Z5_CB_423	Z5_MH_4107	E4	104	0.015	Circular	1.00	-	2.1	2.8	3.7	5.7
Z5_PIPE_2757	Z5_MH_4107	Z5_CB_421	E4	132	0.015	Circular	1.00	-	2.1	2.8	3.7	5.6
Z5_PIPE_2758	Z5_CB_422	Z5_CB_421	E4	32	0.015	Circular	1.00	-	1.5	2.0	2.7	4.9
Z5_PIPE_2759	Z5_CB_420	Z5_MH_4106	E4	44	0.015	Circular	1.00	-	3.0	4.1	5.5	9.2
Z5_PIPE_2760	Z5_CB_421	Z5_MH_4106	E4	41	0.015	Circular	1.50	-	5.0	6.7	9.1	12.8
Z5_PIPE_2761	Z5_MH_4106	Z5_MH_4105	E4	102	0.015	Circular	1.50	-	8.0	10.7	14.4	20.2
Z5_PIPE_2762	Z5_CB_424	Z5_CB_425	E4	33	0.015	Circular	1.00	-	3.6	4.9	6.6	10.3
Z5_PIPE_2763	Z5_MH_5170	Z5_CB_183	G3	227	0.015	Circular	1.50	-	2.5	3.2	4.2	5.7
Z5_PIPE_2764	Z5_MH_4103	Z5_CB_428	E4	106	0.015	Circular	2.00	-	20.3	26.4	34.8	44.5
Z5_PIPE_2765	Z5_CB_428	Z5_MH_4102	E4	195	0.015	Circular	3.00	-	20.3	26.4	34.8	44.5
Z5_PIPE_2766	Z5_CB_430	Z5_CB_431	E4	35	0.024	Circular	1.00	-	1.0	1.4	1.8	2.6
Z5_PIPE_2767	Z5_CB_431	Z5_OF_4379	E4	33	0.024	Circular	1.00	-	1.0	1.4	1.8	2.6
Z5_PIPE_2768	Z5_CB_429	Z5_OF_4484	E4	93	0.024	Circular	1.00	-	1.6	2.2	3.0	4.1
Z5_PIPE_2769	Z5_CB_432	Z5_CB_433	F4	35	0.024	Circular	1.00	-	1.7	2.3	3.1	4.3
Z5_PIPE_2770	Z5_CB_433	Z5_OF_4485	E4	160	0.024	Circular	1.00	-	1.7	2.3	3.1	4.3
Z5_PIPE_2771	Z5_IL_2971	Z5_IL_2970	H3	71	0.015	Circular	1.00	-	1.7	2.3	3.1	3.9
Z5_PIPE_2772	Z5_IL_2970	Z5_IL_2969	H3	72	0.015	Circular	1.50	-	14.1	15.4	16.1	17.7
Z5_PIPE_2773	Z5_IL_2969	Z5_OF_4450	H3	221	0.015	Circular	1.50	-	14.8	16.5	17.6	18.4
Z5_PIPE_2774	Z5_CB_341	Z5_CB_340	G3	74	0.015	Circular	1.50	-	8.0	9.2	10.7	12.8
Z5_PIPE_2775	Z5_CB_340	Z5_IL_3047	G3	259	0.015	Circular	2.00	-	10.7	12.3	14.4	17.4
Z5_PIPE_2776	Z5_CB_425	Z5_MH_5281	E4	41	0.015	Circular	1.00	-	3.6	4.9	6.6	10.6
Z5_PIPE_2777	Z5_MH_5281	Z5_MH_4103	E4	265	0.015	Circular	1.50	-	11.6	15.6	21.0	26.7
Z5_PIPE_2778	Z5_CB_426	Z5_MH_4103	E4	47	0.015	Circular	1.25	-	3.4	4.5	6.1	8.5
Z5_PIPE_2779	Z5_CB_427	Z5_MH_4103	E4	58	0.015	Circular	1.50	-	5.0	5.9	7.1	8.9
Z5_PIPE_2780	Z5_MH_4102	Z5_MH_5134	E4	130	0.015	Circular	2.50	-	22.2	29.6	39.8	52.3
Z5_PIPE_2781	Z5_MH_5134	Z5_MH_4101	E4	316	0.015	Circular	3.00	-	22.2	29.6	39.8	52.3
Z5_PIPE_2782	Z5_CB_308	Z5_CB_306	F4	70	0.015	Circular	1.00	-	1.6	2.1	2.9	4.1
Z5_PIPE_2783	Z5_CB_306	Z5_CB_307	F4	33	0.015	Circular	1.50	-	2.5	3.3	4.5	6.4
Z5_PIPE_2784	Z5_CB_307	Z5_MH_4052	F4	146	0.015	Circular	1.50	-	2.5	3.3	4.5	6.4
Z5_PIPE_2786	Z5_MH_4052	Z5_MH_4051	F4	345	0.015	Circular	1.50	-	2.4	3.3	4.5	6.4
Z5_PIPE_2787	Z5_CB_302	Z5_MH_4051	F4	35	0.015	Circular	1.00	-	2.4	3.2	4.4	6.2
Z5_PIPE_2788	Z5_CB_304	Z5_MH_4051	F4	23	0.015	Circular	1.00	-	0.0	0.0	0.0	0.0
Z5_PIPE_2789	Z5_MH_4051	Z5_MH_4050	F4	205	0.015	Circular	1.50	-	4.8	6.5	8.9	12.6
Z5_PIPE_2790	Z5_CB_300	Z5_CB_299	G4	33	0.015	Circular	1.00	-	0.0	0.0	0.0	0.1
Z5_PIPE_2791	Z5_CB_299	Z5_MH_4049	F4	75	0.015	Circular	2.00	-	4.8	6.5	8.9	12.5
Z5_PIPE_2792	Z5_CB_298	Z5_CB_297	F4	34	0.015	Circular	1.00	-	0.0	0.0	0.0	0.0
Z5_PIPE_2793	Z5_CB_297	Z5_MH_4049	F4	50	0.015	Circular	1.00	-	0.3	0.5	0.8	1.3
Z5_PIPE_2794	Z5_MH_4049	Z5_OF_5062	F4	96	0.015	Circular	2.50	-	64.8	76.4	77.6	77.6
Z5_PIPE_2795	Z5_CB_396	Z5_CB_397	F4	48	0.015	Circular	1.00	-	0.5	0.7	1.0	1.3
Z5_PIPE_2796	Z5_CB_397	Z5_CB_398	F4	27	0.015	Circular	1.00	-	0.5	0.7	1.0	1.3
Z5_PIPE_2797	Z5_CB_394	Z5_CB_395	F4	241	0.015	Circular	1.00	-	0.5	0.7	1.0	1.3
Z5_PIPE_2798	Z5_CB_395	Z5_CB_396	F4	113	0.015	Circular	1.00	-	0.5	0.7	1.0	1.3
Z5_PIPE_2804	Z5_CB_313	Z5_CB_315	F4	76	0.015	Circular	1.00	-	0.6	0.8	1.1	1.6
Z5_PIPE_2806	Z5_CB_312	Z5_CB_313	F4	62	0.015	Circular	1.00	-	0.6	0.8	1.1	1.6
Z5_PIPE_2807	Z5_CB_315	Z5_CB_316	F4	156	0.015	Circular	1.00	-	0.6	0.8	1.1	2.1
Z5_PIPE_2808	Z5_CB_317	Z5_CB_318	F4	87	0.015	Circular	1.00	-	1.5	2.0	2.7	3.8
Z5_PIPE_2810	Z5_IL_2996	Z5_IL_2995	G3	51	0.015	Circular	1.50	-	0.9	1.2	1.5	2.0
Z5_PIPE_2811	Z5_IL_2995	Z5_IL_2994	G3	30	0.015	Circular	1.50	-	0.9	1.2	1.5	2.0
Z5_PIPE_2813	Z5_MH_4160	Z5_MH_4200	J2	16	0.015	Circular	1.50	-	2.0	2.3	3.3	4.2
Z5_PIPE_2814	Z5_MH_4159	Z5_MH_4160	J2	131	0.015	Circular	1.50	-	2.0	2.3	3.3	4.2
Z5_PIPE_2815	Z5_MH_4201	Z5_MH_4921	K2	305	0.015	Circular	2.00	-	6.8	8.4	10.6	13.6
Z5_PIPE_2816	Z5_IL_2596	Z5_MH_3887	K2	39	0.015	Circular	1.00	-	0.0	0.0	0.0	1.2
Z5_PIPE_2817	Z5_IL_3621	Z5_MH_3889	K2	31	0.015	Circular	1.00	-	0.8	1.0	1.3	1.8
Z5_PIPE_2818	Z5_IL_2981	Z5_MH_3946	K2	26	0.015	Circular	1.00	-	1.4	1.8	2.2	3.3
Z5_PIPE_2819	Z5_IL_2982	Z5_MH_3946	K2	101	0.015	Circular	1.00	-	0.0	0.0	0.0	0.5
Z5_PIPE_2820	Z5_MH_3946	Z5_MH_3945	K2	273	0.015	Circular	1.00	-	1.4	1.8	2.2	2.9
Z5_PIPE_2821	Z5_IL_2977	Z5_MH_3945	K2	28	0.015	Circular	1.00	-	1.3	1.7	2.1	3.3
Z5_PIPE_2823	Z5_IL_2741	Z5_MH_3945	K2	15	0.015	Circular	1.00	-	0.0	0.0	0.0	1.3
Z5_PIPE_2824	Z5_MH_3950	Z5_OF_5019	K2	61	0.015	Circular	1.50	-	8.0	9.8	11.9	15.0
Z5_PIPE_2825	Z5_IL_3114	Z5_MH_3954	K2	38	0.015	Circular	1.00	-	0.5	0.7	0.9	1.1
Z5_PIPE_2826	Z5_IL_3111	Z5_MH_3954	K2	10	0.015	Circular	1.00	-	0.0	0.0	0.0	0.0
Z5_PIPE_2827	Z5_IL_3110	Z5_MH_3953	K2	18	0.015	Circular	1.00	-	0.0	0.0	0.0	0.0
Z5_PIPE_2828	Z5_IL_2743	Z5_MH_3953	K2	9	0.015	Circular	1.00	-	0.8	1.0	1.3	1.8
Z5_PIPE_2829	Z5_IL_3136	Z5_MH_3960	J2	29	0.015	Circular	1.00	-	0.9	1.1	1.4	1.9
Z5_PIPE_2830	Z5_IL_3137	Z5_MH_3960	J2	9	0.015	Circular	1.00	-	0.7	1.0	1.2	1.6
Z5_PIPE_2831	Z5_IL_3134	Z5_MH_3959	J2	9	0.015	Circular	1.00	-	0.8	1.1	1.4	1.8

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## Zone 5 West Existing Pipes

Link ID*	From Node	To Node	County Grid #	Length (ft)	Manning's N	Shape	Max Depth (ft)	Bottom Width (ft)	Max Q (cfs)			
									5Yr	10Yr	25Yr	100Yr
Z5_PIPE_2832	Z5_IL_3139	Z5_MH_3964	J2	29	0.015	Circular	1.00	-	0.0	0.0	0.0	0.0
Z5_PIPE_2833	Z5_IL_3140	Z5_MH_3964	J2	8	0.015	Circular	1.00	-	0.0	0.0	0.0	0.0
Z5_PIPE_2834	Z5_IL_3141	Z5_MH_3965	J2	19	0.015	Circular	1.00	-	0.0	0.0	0.0	0.0
Z5_PIPE_2835	Z5_IL_3143	Z5_MH_3965	J2	35	0.015	Circular	1.00	-	3.3	3.9	4.6	5.8
Z5_PIPE_2836	Z5_MH_4123	Z5_MH_4200	J2	262	0.015	Circular	1.00	-	1.3	1.7	2.6	2.3
Z5_PIPE_2837	Z5_IL_3150	Z5_MH_4122	J2	20	0.015	Circular	1.00	-	0.1	0.3	5.3	3.0
Z5_PIPE_2838	Z5_MH_4053	Z5_MH_4122	J2	190	0.015	Circular	1.50	-	0.5	1.3	6.5	5.0
Z5_PIPE_2839	Z5_MH_4122	Z5_MH_4159	J2	112	0.015	Circular	1.50	-	1.1	1.3	3.2	3.3
Z5_PIPE_2840	Z5_IL_3144	Z5_MH_3967	J2	18	0.015	Circular	1.00	-	0.5	0.6	1.3	3.2
Z5_PIPE_2841	Z5_MH_3967	Z5_MH_4053	J2	43	0.015	Circular	1.50	-	0.5	0.6	2.9	3.4
Z5_PIPE_2842	Z5_IL_3149	Z5_MH_4053	J2	13	0.015	Circular	1.00	-	0.0	0.0	0.0	0.7
Z5_PIPE_2843	Z5_IL_3168	Z5_MH_4161	J2	19	0.015	Circular	1.00	-	5.4	6.8	8.3	8.6
Z5_PIPE_2844	Z5_IL_3166	Z5_MH_4159	K2	14	0.015	Circular	1.00	-	1.1	1.4	4.4	3.6
Z5_PIPE_2845	Z5_CB_4914	Z5_CB_4915	F4	65	0.015	Circular	1.00	-	2.0	2.7	3.7	4.9
Z5_PIPE_2846	Z5_CB_4915	Z5_CB_4916	F4	68	0.015	Circular	1.00	-	2.0	2.7	3.7	5.0
Z5_PIPE_2847	Z5_CB_321	Z5_IL_5138	F4	90	0.015	Circular	1.00	-	3.0	4.0	5.4	7.4
Z5_PIPE_2849	Z5_CB_434	Z5_CB_435	D4	43	0.015	Circular	1.00	-	1.9	2.6	3.5	4.9
Z5_PIPE_2850	Z5_CB_435	Z5_CB_526	D4	20	0.015	Circular	1.00	-	3.1	4.2	5.8	8.2
Z5_PIPE_2852	Z5_IL_2968	Z5_MH_3978	H3	14	0.015	Circular	1.00	-	0.8	1.1	1.4	2.0
Z5_PIPE_2853	Z5_IL_1107	Z5_MH_3726	G3	124	0.015	Circular	1.00	-	2.4	3.0	3.9	5.1
Z5_PIPE_2854	Z5_IL_1106	Z5_MH_5169	G3	34	0.015	Circular	1.00	-	1.2	1.5	1.8	2.2
Z5_PIPE_2856	Z5_CB_461	Z5_CB_329	F4	74	0.015	Circular	1.50	-	4.3	6.1	8.7	12.8
Z5_PIPE_2857	Z5_CB_329	Z5_CB_328	F4	34	0.015	Circular	1.50	-	5.0	7.2	10.3	15.4
Z5_PIPE_2858	Z5_CB_328	Z5_CB_327	F4	232	0.015	Circular	1.75	-	5.0	7.2	10.3	15.4
Z5_PIPE_2859	Z5_MH_4921	Z5_MH_4918	K2	213	0.015	Circular	2.00	-	9.1	11.3	14.2	18.4
Z5_PIPE_286	Z5_SGIL_4752	Z5_OF_4587	M2	56	0.015	Circular	1.00	-	0.7	0.9	1.2	1.6
Z5_PIPE_2860	Z5_MH_4918	Z5_MH_3914	K2	169	0.015	Circular	2.00	-	9.1	11.3	14.2	18.4
Z5_PIPE_2861	Z5_IL_2747	Z5_OF_4512	K2	34	0.010	Circular	2.00	-	10.7	13.3	16.8	21.9
Z5_PIPE_2862	Z5_MH_3850	Z5_IL_2325	K2	321	0.015	Circular	1.25	-	8.8	8.9	9.2	10.0
Z5_PIPE_2863	Z5_IL_2325	Z5_OF_4513	K2	39	0.015	Circular	1.50	-	10.8	11.9	13.6	16.0
Z5_PIPE_2864	Z5_CB_392	Z5_OF_5135	F4	13	0.024	Circular	1.00	-	0.0	0.0	0.0	0.0
Z5_PIPE_2865	Z5_CB_398	Z5_IL_3704	F4	78	0.015	Circular	1.50	-	2.2	2.9	4.0	5.5
Z5_PIPE_2866	Z5_CB_323	Z5_MH_5143	G3	112	0.024	Trapezoidal	2.00	1.00	4.0	4.9	5.6	7.0
Z5_PIPE_2867	Z5_CB_4913	Z5_CB_197	H3	25	0.015	Circular	1.50	-	1.7	2.0	2.5	3.1
Z5_PIPE_2868	Z5_CB_197	Z5_CB_198	H3	155	0.015	Circular	1.50	-	1.7	2.0	2.4	3.1
Z5_PIPE_2869	Z5_CB_198	Z5_OF_4423	H3	36	0.015	Circular	1.50	-	4.1	4.9	6.0	7.6
Z5_PIPE_2870	Z5_MH_4011	Z5_MH_4010	H3	38	0.015	Circular	4.50	-	150.6	182.1	214.6	246.3
Z5_PIPE_2882	Z5_IL_1335	Z5_IL_1108	G3	234	0.015	Circular	1.75	-	6.8	8.0	9.5	12.2
Z5_PIPE_2883	Z5_IL_1108	Z5_OF_5058	G3	140	0.015	Circular	1.75	-	6.7	7.9	9.5	12.3
Z5_PIPE_2885	Z5_CB_391	Z5_CB_392	F4	35	0.015	Circular	1.00	-	0.0	0.0	0.0	0.0
Z5_PIPE_2886	Z5_IL_4941	Z5_OF_4422	H3	40	0.015	Circular	4.50	-	158.8	193.5	229.8	268.5
Z5_PIPE_2888	Z5_IL_2818	Z5_MH_3952	M2	21	0.015	Circular	1.25	-	2.8	3.5	4.4	5.7
Z5_PIPE_2889	Z5_IL_2817	Z5_IL_2818	M2	79	0.015	Circular	1.25	-	2.8	3.5	4.4	5.7
Z5_PIPE_2890	Z5_IL_2815	Z5_IL_2819	M2	107	0.015	Circular	2.00	-	8.6	11.2	14.7	19.9
Z5_PIPE_2891	Z5_MH_4010	Z5_MH_4009	H3	50	0.015	Circular	4.50	-	150.6	182.1	214.6	246.3
Z5_PIPE_2892	Z5_MH_4009	Z5_IL_3156	H3	209	0.015	Circular	4.50	-	151.3	183.0	215.7	248.0
Z5_PIPE_2893	Z5_CB_335	Z5_CB_336	G4	291	0.024	Circular	1.50	-	4.2	5.6	6.7	7.1
Z5_PIPE_2894	Z5_CB_336	Z5_CB_337	G4	157	0.015	Circular	1.75	-	7.2	9.3	11.5	13.3
Z5_PIPE_2895	Z5_CB_337	Z5_CB_338	G4	232	0.015	Circular	1.75	-	7.2	9.3	12.0	13.2
Z5_PIPE_2897	Z5_IL_2754	Z5_MH_3917	J2	39	0.015	Circular	1.00	-	0.6	0.8	1.1	1.5
Z5_PIPE_2898	Z5_MH_3917	Z5_MH_3916	J2	79	0.015	Circular	1.00	-	0.6	0.8	1.1	1.5
Z5_PIPE_2899	Z5_IL_2753	Z5_MH_3916	J2	33	0.015	Circular	1.25	-	2.0	2.7	3.6	5.0
Z5_PIPE_2900	Z5_MH_5157	Z5_MH_4218	J2	116	0.015	Circular	1.25	-	2.4	3.2	4.1	6.0
Z5_PIPE_2901	Z5_IL_3372	Z5_MH_4218	J3	6	0.015	Circular	1.00	-	6.2	8.1	10.6	13.1
Z5_PIPE_2902	Z5_IL_3133	Z5_MH_3959	J2	29	0.015	Circular	1.00	-	0.0	0.0	0.0	0.0
Z5_PIPE_2904	Z5_IL_3331	Z5_MH_4162	J2	97	0.015	Circular	1.25	-	2.8	3.4	4.2	5.4
Z5_PIPE_2905	Z5_MH_3965	Z5_MH_3964	J2	276	0.015	Circular	1.50	-	3.3	3.8	4.6	5.8
Z5_PIPE_2906	Z5_MH_3964	Z5_MH_3960	J2	278	0.015	Circular	1.50	-	3.3	3.8	4.6	5.6
Z5_PIPE_2907	Z5_MH_3960	Z5_MH_3959	J2	139	0.015	Circular	1.50	-	4.8	5.8	7.2	9.1
Z5_PIPE_2908	Z5_MH_3959	Z5_MH_3954	K2	451	0.015	Circular	2.00	-	5.7	6.9	8.6	11.0
Z5_PIPE_2909	Z5_MH_3954	Z5_MH_3953	K2	286	0.015	Circular	2.00	-	6.0	7.4	9.2	11.9
Z5_PIPE_2911	Z5_IL_2724	Z5_SGMH_4867	H2	18	0.015	Circular	1.00	-	2.0	2.6	3.3	4.4
Z5_PIPE_2912	Z5_IL_2723	Z5_SGMH_4867	H2	54	0.015	Circular	1.50	-	7.7	10.1	13.3	18.2
Z5_PIPE_2913	Z5_SGMH_4867	Z5_OF_5036	H2	30	0.015	Circular	1.50	-	8.7	11.3	14.8	20.2
Z5_PIPE_2914	Z5_IL_2964	Z5_MH_4204	J2	17	0.015	Circular	1.00	-	2.4	2.9	3.7	4.9
Z5_PIPE_2915	Z5_MH_4204	Z5_MH_4203	J2	58	0.015	Circular	1.50	-	7.7	10.1	13.3	18.2
Z5_PIPE_2916	Z5_MH_4203	Z5_IL_2723	J2	434	0.015	Circular	1.50	-	7.7	10.1	13.3	18.2
Z5_PIPE_2917	Z5_MH_4162	Z5_MH_3968	J2	112	0.015	Circular	1.25	-	7.9	9.9	11.9	13.5
Z5_PIPE_2918	Z5_MH_3978	Z5_MH_5162	H3	105	0.015	Circular	1.00	-	0.8	1.1	1.4	1.9
Z5_PIPE_2919	Z5_IL_1467	Z5_MH_4207	H3	72	0.024	Circular	1.50	-	10.1	10.5	10.8	11.8

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Zone 5 West Existing Pipes

Link ID*	From Node	To Node	County Grid #	Length (ft)	Manning's N	Shape	Max Depth (ft)	Bottom Width (ft)	Max Q (cfs)			
									5Yr	10Yr	25Yr	100Yr
Z5_PIPE_292	Z5_IL_1199	Z5_MH_3883	L4	51	0.010	Circular	1.00	-	5.9	2.6	3.2	3.6
Z5_PIPE_2920	Z5_MH_4207	Z5_CB_123	H3	35	0.015	Circular	1.50	-	10.9	11.4	11.4	13.1
Z5_PIPE_2921	Z5_MH_3831	Z5_MH_3975	H3	173	0.015	Circular	4.50	-	6.5	8.6	11.4	15.8
Z5_PIPE_2922	Z5_CB_643	Z5_OF_4421	G3	103	0.015	Circular	1.50	-	0.4	0.5	0.6	0.8
Z5_PIPE_2923	Z5_IL_2994	Z5_OF_4516	G3	113	0.015	Circular	1.50	-	0.9	1.2	1.5	2.0
Z5_PIPE_2924	Z5_IL_3346	Z5_IL_2992	H3	65	0.015	Circular	1.00	-	1.9	2.5	3.2	4.4
Z5_PIPE_2925	Z5_IL_4940	Z5_MH_5155	H3	151	0.015	Circular	4.50	-	68.9	84.9	101.5	117.8
Z5_PIPE_2926	Z5_IL_3349	Z5_OF_4448	J3	94	0.024	Circular	1.00	-	3.0	4.1	5.5	6.8
Z5_PIPE_2928	Z5_SGMH_4872	Z5_MH_4219	J3	35	0.015	Circular	1.50	-	8.1	10.6	14.0	16.4
Z5_PIPE_2929	Z5_IL_3376	Z5_MH_3910	J3	54	0.015	Circular	1.00	-	1.9	2.5	3.2	4.3
Z5_PIPE_293	Z5_IL_2585	Z5_MH_3883	L4	17	0.010	Circular	1.00	-	6.8	4.0	3.8	3.3
Z5_PIPE_2930	Z5_IL_3377	Z5_MH_4221	J3	14	0.015	Circular	1.00	-	1.2	1.6	2.1	3.0
Z5_PIPE_2931	Z5_IL_2728	Z5_MH_3909	J3	51	0.015	Circular	1.00	-	1.7	2.1	2.7	3.7
Z5_PIPE_2933	Z5_IL_2732	Z5_MH_3907	J3	15	0.015	Circular	1.00	-	2.7	3.4	4.4	5.8
Z5_PIPE_2934	Z5_IL_2729	Z5_MH_3908	J3	51	0.015	Circular	1.25	-	1.1	1.4	1.7	2.2
Z5_PIPE_2936	Z5_IL_2730	Z5_MH_3906	J3	52	0.015	Circular	1.00	-	3.3	4.3	5.6	6.9
Z5_PIPE_2937	Z5_MH_3906	Z5_MH_3908	J3	234	0.015	Circular	1.25	-	3.3	4.3	5.6	6.9
Z5_PIPE_2938	Z5_MH_3908	Z5_MH_3907	J3	97	0.015	Circular	1.50	-	4.2	5.4	6.9	8.0
Z5_PIPE_2939	Z5_MH_3907	Z5_MH_3909	J3	115	0.015	Circular	1.75	-	6.8	8.6	11.2	13.2
Z5_PIPE_294	Z5_IL_3514	Z5_IL_2585	L4	226	0.010	Circular	1.00	-	1.4	1.6	2.0	2.6
Z5_PIPE_2940	Z5_MH_3909	Z5_MH_4221	J3	141	0.015	Circular	1.75	-	8.3	10.5	13.5	16.5
Z5_PIPE_2941	Z5_MH_4343	Z5_OF_1187	J3	190	0.015	Circular	2.00	-	12.4	15.9	20.7	26.2
Z5_PIPE_2943	Z5_IL_4938	Z5_MH_4231	G3	209	0.015	Circular	2.50	-	51.8	53.8	55.9	58.6
Z5_PIPE_2944	Z5_MH_3953	Z5_MH_4201	K2	72	0.015	Circular	2.00	-	6.8	8.4	10.6	13.6
Z5_PIPE_2945	Z5_IL_3402	Z5_CB_656	H3	113	0.010	Circular	1.00	-	1.3	1.8	2.4	3.4
Z5_PIPE_2946	Z5_CB_656	Z5_CB_657	H3	82	0.010	Circular	1.00	-	1.3	1.8	2.4	3.4
Z5_PIPE_2947	Z5_CB_657	Z5_MH_4210	H3	335	0.015	Circular	1.00	-	1.3	1.8	2.4	3.4
Z5_PIPE_2948	Z5_IL_2746	Z5_MH_3914	K2	12	0.010	Circular	1.50	-	0.0	0.0	0.0	0.0
Z5_PIPE_2949	Z5_MH_3914	Z5_IL_2747	L2	22	0.010	Circular	2.00	-	9.1	11.3	14.2	18.4
Z5_PIPE_295	Z5_MH_3883	Z5_MH_3780	L4	67	0.015	Circular	1.00	-	4.1	3.9	4.0	4.0
Z5_PIPE_2950	Z5_IL_3045	Z5_IL_3046	G3	37	0.024	Parabolic	1.33	0.67	3.1	3.5	3.8	4.5
Z5_PIPE_2951	Z5_IL_3046	Z5_CB_616	G3	153	0.015	Circular	1.50	-	3.4	4.0	4.3	4.6
Z5_PIPE_2954	Z5_IL_2825	Z5_OF_4530	L3	44	0.015	Circular	1.50	-	9.0	10.5	11.8	15.1
Z5_PIPE_2956	Z5_MH_5133	Z5_MH_5132	H4	13	0.015	Circular	2.00	-	28.0	31.4	36.1	43.8
Z5_PIPE_2957	Z5_MH_5132	Z5_OF_4533	H4	172	0.015	Circular	2.00	-	22.7	24.1	26.3	31.2
Z5_PIPE_2958	Z5_IL_4944	Z5_IL_5386	H4	35	0.015	Circular	2.00	-	23.8	25.4	27.4	31.1
Z5_PIPE_2959	Z5_IL_4945	Z5_OF_4535	H4	118	0.015	Circular	2.00	-	25.1	26.5	28.7	31.5
Z5_PIPE_296	Z5_IL_2594	Z5_MH_3886	M3	9	0.015	Circular	1.00	-	0.4	0.4	0.4	0.6
Z5_PIPE_2960	Z5_IL_4946	Z5_OF_4536	H4	180	0.015	Circular	2.00	-	25.8	27.6	29.9	32.9
Z5_PIPE_2961	Z5_IL_4947	Z5_OF_4503	H4	129	0.015	Circular	2.00	-	26.8	28.7	31.1	34.5
Z5_PIPE_2964	Z5_MH_3928	Z5_IL_2815	M2	106	0.015	Circular	2.00	-	8.6	11.2	14.7	19.9
Z5_PIPE_2966	Z5_IL_2839	Z5_IL_2834	K2	37	0.015	Circular	1.00	-	2.4	3.3	3.5	4.6
Z5_PIPE_2967	Z5_IL_2834	Z5_MH_4246	K2	139	0.015	Circular	1.50	-	6.7	8.2	9.8	11.3
Z5_PIPE_2968	Z5_MH_4246	Z5_MH_3930	K2	191	0.015	Circular	1.50	-	6.7	8.2	9.8	11.3
Z5_PIPE_297	Z5_MH_3780	Z5_MH_3886	M3	163	0.015	Circular	1.00	-	6.5	6.8	7.2	7.7
Z5_PIPE_2970	Z5_IL_5140	Z5_IL_3485	G3	43	0.015	Circular	1.00	-	3.8	3.4	2.3	2.7
Z5_PIPE_2971	Z5_IL_3155	Z5_CB_124	H3	28	0.015	Circular	1.00	-	1.8	2.4	3.2	4.4
Z5_PIPE_2972	Z5_MH_4218	Z5_CB_130	J3	145	0.015	Circular	1.50	-	8.1	10.6	14.0	16.4
Z5_PIPE_2973	Z5_IL_3635	Z5_OF_4594	H5	47	0.010	Circular	2.00	-	5.4	6.8	8.8	11.8
Z5_PIPE_2977	Z5_CB_187	Z5_OF_5056	G3	60	0.024	Circular	1.00	-	3.8	4.6	5.7	7.2
Z5_PIPE_2979	Z5_MH_5573	Z5_MH_4006	H2	300	0.010	Circular	2.00	-	9.5	12.1	15.7	19.6
Z5_PIPE_298	Z5_MH_3886	Z5_OF_4365	M3	65	0.015	Circular	1.00	-	6.3	6.5	6.8	7.2
Z5_PIPE_2980	Z5_MH_4161	Z5_MH_4162	J2	13	0.015	Circular	1.00	-	5.4	6.8	8.3	8.6
Z5_PIPE_2981	Z5_IL_5389	Z5_IL_3331	J2	120	0.015	Circular	1.00	-	2.8	3.4	4.2	5.4
Z5_PIPE_2982	Z5_CB_130	Z5_SGMH_4872	K3	75	0.015	Circular	1.50	-	8.1	10.6	14.0	16.4
Z5_PIPE_2983	Z5_MH_4344	Z5_MH_4343	J3	137	0.015	Circular	2.00	-	11.4	14.6	18.8	23.7
Z5_PIPE_2984	Z5_MH_3910	Z5_MH_4344	J3	108	0.015	Circular	2.00	-	11.4	14.6	18.8	23.7
Z5_PIPE_2987	Z5_CB_443	Z5_MH_5387	D4	97	0.024	Circular	1.00	-	2.3	3.1	4.2	5.5
Z5_PIPE_2988	Z5_MH_5387	Z5_CB_444	D4	39	0.024	Circular	1.25	-	2.3	3.1	4.2	5.5
Z5_PIPE_2989	Z5_CB_444	Z5_OF_4434	D4	151	0.015	Circular	1.25	-	2.3	3.1	4.2	5.5
Z5_PIPE_299	Z5_MH_3795	Z5_IL_1200	M3	92	0.015	Circular	1.25	-	9.4	10.2	10.4	10.7
Z5_PIPE_2990	Z5_CB_383	Z5_OF_5048	E4	114	0.015	Circular	1.00	-	0.8	1.1	1.5	2.2
Z5_PIPE_2995	Z5_CB_316	Z5_CB_317	F4	97	0.015	Circular	1.00	-	1.5	2.0	2.7	3.8
Z5_PIPE_2996	Z5_CB_318	Z5_CB_4914	F4	60	0.015	Circular	1.00	-	1.5	2.0	2.7	4.0
Z5_PIPE_2997	Z5_CB_4916	Z5_CB_321	F4	59	0.015	Circular	1.00	-	2.0	2.7	3.6	5.0
Z5_PIPE_2999	Z5_MH_4050	Z5_CB_299	G4	172	0.015	Circular	1.50	-	4.8	6.5	8.9	12.5
Z5_PIPE_300	Z5_IL_1456	Z5_MH_3795	M3	200	0.015	Circular	1.25	-	9.4	10.2	10.4	11.2
Z5_PIPE_3000	Z5_CB_408	Z5_OF_5047	E4	155	0.024	Circular	1.25	-	0.9	1.3	1.8	2.5
Z5_PIPE_3002	Z5_CB_325	Z5_MH_5144	G3	17	0.015	Circular	2.25	-	0.6	1.1	1.7	2.7
Z5_PIPE_3003	Z5_MH_5144	Z5_MH_4114	G3	25	0.015	Circular	2.25	-	5.9	9.0	13.3	20.0

\*The term "NEW" in a Link ID does not reflect the age or condition of the actual link. It is modeling nomenclature only.

Zone 5 West Existing Pipes

Link ID*	From Node	To Node	County Grid #	Length (ft)	Manning's N	Shape	Max Depth (ft)	Bottom Width (ft)	Max Q (cfs)			
									5Yr	10Yr	25Yr	100Yr
Z5_PIPE_3004	Z5_IL_3002	Z5_MH_5154	H3	32	0.015	Circular	1.00	-	2.5	3.2	4.1	5.5
Z5_PIPE_3006	Z5_MH_4311	Z5_OF_4582	J3	149	0.015	Circular	4.50	-	10.3	13.8	18.6	25.9
Z5_PIPE_3007	Z5_CB_128	Z5_IL_5158	J3	102	0.024	Circular	1.00	-	0.4	0.6	0.8	1.2
Z5_PIPE_3009	Z5_CB_514	Z5_IL_2840	K2	146	0.015	Circular	1.00	-	1.6	2.0	2.6	3.5
Z5_PIPE_301	Z5_IL_1200	Z5_OF_4364	M3	46	0.015	Circular	1.25	-	10.1	11.1	12.1	12.7
Z5_PIPE_3015	Z5_SGMH_4855	Z5_OF_5569	M1	167	0.015	Circular	2.00	-	6.8	9.1	12.1	16.3
Z5_PIPE_3016	Z5_MH_3801	Z5_SGMH_4855	M1	116	0.015	Circular	2.00	-	6.8	9.1	12.1	16.3
Z5_PIPE_3026	Z5_CB_204	Z5_OF_5570	H4	63	0.015	Circular	1.50	-	2.1	2.7	3.6	4.9
Z5_PIPE_3052	Z5_MH_5152	Z5_SGIL_4757	K2	62	0.015	Circular	2.50	-	15.6	20.0	25.2	33.2
Z5_PIPE_3053	Z5_SGIL_4757	Z5_OF_4998	K2	236	0.015	Circular	2.50	-	15.6	20.0	25.2	33.2
Z5_PIPE_3077	Z5_SGMH_4863	Z5_OF_4597	N3	39	0.015	Circular	1.25	-	2.4	3.1	3.9	5.3
Z5_PIPE_3078	Z5_IL_2821	Z5_OF_5028	M3	77	0.015	Circular	0.67	-	0.7	1.0	1.4	1.9
Z5_PIPE_3079	Z5_IL_2802	Z5_OF_4473	M2	70	0.015	Circular	0.83	-	1.9	2.6	3.4	4.6
Z5_PIPE_3080	Z5_IL_4930	Z5_IL_2814	M3	151	0.015	Circular	1.00	-	1.0	1.3	1.7	2.2
Z5_PIPE_3081	Z5_IL_2814	Z5_OF_4588	M3	41	0.015	Circular	1.25	-	1.0	1.3	1.7	2.2
Z5_PIPE_3082	Z5_SGIL_4755	Z5_OF_4407	M3	29	0.015	Circular	1.00	-	1.8	2.5	3.5	4.9
Z5_PIPE_3090	Z5_IL_4965	Z5_OF_4478	M3	59	0.015	Circular	2.50	-	34.9	42.7	47.1	51.7
Z5_PIPE_3094	Z5_IL_1178	Z5_MH_5578	M2	30	0.015	Circular	1.50	-	4.1	4.8	5.6	6.1
Z5_PIPE_3095	Z5_IL_2766	Z5_OF_4589	M1	49	0.015	Circular	1.00	-	2.8	3.7	4.8	6.5
Z5_PIPE_3096	Z5_IL_5216	Z5_IL_3184	M1	39	0.015	Circular	1.00	-	1.2	1.6	2.1	2.9
Z5_PIPE_3097	Z5_IL_3639	Z5_MH_4331	L2	24	0.015	Circular	1.00	-	0.8	1.1	1.4	2.1
Z5_PIPE_3098	Z5_MH_4331	Z5_MH_4330	L2	61	0.015	Circular	1.50	-	3.4	4.3	5.7	7.9
Z5_PIPE_3113	Z5_IL_2854	Z5_IL_3116	K3	354	0.015	Circular	1.00	-	3.2	3.4	3.9	4.6
Z5_PIPE_3118	Z5_IL_2861	Z5_IL_2860	K4	21	0.015	Circular	1.00	-	5.6	7.7	10.2	12.9
Z5_PIPE_3119	Z5_IL_2860	Z5_OF_5003	K4	67	0.015	Circular	1.25	-	5.6	7.7	10.2	12.9
Z5_PIPE_3120	Z5_IL_2858	Z5_IL_2859	K4	62	0.015	Circular	1.50	-	2.1	3.3	4.9	7.4
Z5_PIPE_3121	Z5_IL_2859	Z5_OF_4526	K4	170	0.015	Circular	1.50	-	2.1	3.3	4.9	7.4
Z5_PIPE_3126	Z5_IL_2788	Z5_OF_5077	K4	47	0.015	Circular	1.00	-	1.5	1.8	2.2	2.7
Z5_PIPE_3127	Z5_SGIL_4801	Z5_MH_3920	K3	35	0.015	Circular	1.75	-	5.5	6.4	6.9	7.9
Z5_PIPE_3131	Z5_IL_3645	Z5_IL_3644	K2	18	0.015	Circular	1.00	-	0.1	0.1	0.1	0.2
Z5_PIPE_3132	Z5_IL_3644	Z5_CB_513	K2	52	0.015	Circular	1.00	-	0.0	0.0	0.0	0.2
Z5_PIPE_3139	Z5_IL_3648	Z5_MH_4217	K3	58	0.015	Circular	1.75	-	4.6	6.1	8.2	10.0
Z5_PIPE_3140	Z5_MH_4340	Z5_MH_4222	J3	24	0.015	Circular	1.00	-	2.3	2.9	3.8	5.1
Z5_PIPE_3141	Z5_MH_4342	Z5_SGIL_4783	J4	137	0.015	Circular	1.00	-	1.0	1.3	1.7	2.4
Z5_PIPE_3150	Z5_IL_3374	Z5_OF_5000	J3	51	0.015	Circular	1.00	-	0.8	1.1	1.4	1.9
Z5_PIPE_3153	Z5_IL_3664	Z5_IL_3663	J2	35	0.015	Circular	1.50	-	0.0	0.0	0.0	3.2
Z5_PIPE_3158	Z5_IL_2712	Z5_MH_4186	H4	18	0.015	Circular	1.50	-	0.3	0.4	0.6	1.0
Z5_PIPE_3159	Z5_IL_2562	Z5_CB_136	J4	11	0.015	Circular	1.25	-	1.0	1.4	1.9	2.8
Z5_PIPE_3165	Z5_IL_3673	Z5_IL_2967	J2	157	0.015	Circular	2.50	-	10.4	12.5	15.4	20.1
Z5_PIPE_3166	Z5_IL_3677	Z5_CB_121	J2	35	0.015	Circular	2.50	-	8.7	10.3	12.3	15.5
Z5_PIPE_3167	Z5_IL_3671	Z5_IL_2967	J2	12	0.015	Circular	1.50	-	1.5	1.9	2.5	3.8
Z5_PIPE_3168	Z5_IL_2967	Z5_IL_1457	J2	39	0.015	Circular	2.00	-	11.5	13.9	17.2	22.4
Z5_PIPE_3169	Z5_IL_3672	Z5_MH_3796	J2	40	0.015	Circular	1.00	-	1.8	2.1	2.5	3.2
Z5_PIPE_3170	Z5_IL_3675	Z5_IL_3676	J2	36	0.015	Circular	1.75	-	0.0	0.0	0.1	2.4
Z5_PIPE_3174	Z5_IL_2999	Z5_MH_5166	H2	17	0.015	Circular	1.25	-	1.7	2.3	3.1	4.4
Z5_PIPE_3175	Z5_IL_2431	Z5_IL_2464	H2	103	0.015	Circular	1.50	-	3.2	4.1	5.4	6.3
Z5_PIPE_3176	Z5_CB_192	Z5_MH_3870	H2	32	0.015	Circular	1.50	-	2.9	3.5	4.4	5.7
Z5_PIPE_3214	Z5_IL_3685	Z5_IL_2701	G3	24	0.015	Circular	0.83	-	1.3	1.7	2.2	2.8
Z5_PIPE_3215	Z5_IL_2701	Z5_IL_2702	G3	24	0.015	Circular	0.67	-	1.3	1.7	2.2	2.8
Z5_PIPE_3216	Z5_IL_2703	Z5_IL_2705	G3	30	0.015	Circular	1.00	-	1.7	2.2	2.8	3.8
Z5_PIPE_3220	Z5_IL_3687	Z5_CB_335	G4	42	0.015	Circular	1.50	-	3.0	4.0	5.6	5.8
Z5_PIPE_3236	Z5_CB_737	Z5_MH_5139	G3	17	0.015	Circular	1.00	-	2.2	2.7	1.5	2.0
Z5_PIPE_3238	Z5_CB_459	Z5_MH_5136	F4	14	0.015	Circular	1.00	-	1.4	1.8	2.5	3.5
Z5_PIPE_3255	Z5_IL_3703	Z5_OF_4600	F4	67	0.015	Circular	1.25	-	3.7	4.7	5.9	7.8
Z5_PIPE_3256	Z5_IL_3705	Z5_CB_308	F4	55	0.015	Circular	1.00	-	0.8	1.1	1.4	2.0
Z5_PIPE_3259	Z5_MH_4101	Z5_MH_4076	E4	99	0.015	Circular	3.00	-	22.2	29.6	39.8	52.3
Z5_PIPE_3265	Z5_IL_3708	Z5_MH_4098	E4	26	0.015	Circular	1.00	-	0.8	1.1	1.5	2.1
Z5_PIPE_3266	Z5_CB_526	Z5_IL_3709	D4	40	0.015	Circular	4.00	-	3.1	4.2	5.8	8.2
Z5_PIPE_3267	Z5_IL_3709	Z5_OF_4602	D4	219	0.015	Circular	1.00	-	3.1	4.2	5.8	8.2
Z5_PIPE_3302	Z5_MH_4260	Z5_CB_530	J4	156	0.015	Circular	1.00	-	4.0	5.3	6.6	6.9
Z5_PIPE_3304	Z5_IL_3174	Z5_MH_3951	M1	6	0.015	Circular	1.00	-	1.2	1.6	2.1	2.9
Z5_PIPE_3309	Z5_MH_3976	Z5_MH_5160	H3	12	0.015	Circular	1.50	-	3.1	4.1	5.4	7.4
Z5_PIPE_3311	Z5_IL_2760	Z5_IL_2727	H2	34	0.015	Circular	2.00	-	1.8	2.3	3.1	4.3
Z5_PIPE_3312	Z5_IL_3704	Z5_MH_4049	F4	262	0.015	Circular	4.00	-	72.8	95.3	100.3	96.6
Z5_PIPE_3314	Z5_MH_5154	Z5_OF_4423	H3	290	0.015	Circular	4.50	-	156.6	190.3	225.4	261.2
Z5_PIPE_3316	Z5_IL_5505	Z5_CB_515	K3	35	0.015	Circular	1.00	-	7.9	9.0	10.2	12.6
Z5_PIPE_3317	STOR-10	Z5_MH_4049	F4	51	0.015	Circular	3.00	-	14.7	32.2	41.8	35.9
Z5_PIPE_3318	Z5_CB_227	Z5_CB_590	L4	68	0.010	Circular	0.83	-	2.0	2.6	3.5	4.5
Z5_PIPE_3319	Z5_IL_2414	Z5_IL_2413	L3	98	0.015	Circular	0.83	-	0.0	0.0	0.0	0.0
Z5_PIPE_3320	Z5_CB_590	Z5_CB_902	L4	49	0.010	Circular	0.83	-	2.3	3.1	4.2	5.6



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Zone 5 West Existing Pipes

Link ID*	From Node	To Node	County Grid #	Length (ft)	Manning's N	Shape	Max Depth (ft)	Bottom Width (ft)	Max Q (cfs)			
									5Yr	10Yr	25Yr	100Yr
Z5_PIPE_3321	Z5_IL_2412	Z5_IL_2413	L3	100	0.015	Circular	0.67	-	0.8	1.2	1.7	2.5
Z5_PIPE_3322	Z5_CB_226	Z5_CB_590	L4	64	0.015	Circular	0.83	-	0.0	0.0	0.0	0.8
Z5_PIPE_3328	Z5_IL_1867	Z5_SGIL_4689	M3	122	0.015	Circular	0.50	-	1.3	1.4	1.4	1.5
Z5_PIPE_3329	Z5_SGIL_4689	Z5_OF_5009	M3	24	0.010	Circular	0.50	-	1.7	1.7	1.7	1.7
Z5_PIPE_3330	Z5_IL_1866	Z5_IL_1867	M3	38	0.015	Circular	0.50	-	1.3	1.4	1.4	1.5
Z5_PIPE_3331	Z5_IL_3173	NEW_Z5_MH_6015	L1	11	0.015	Circular	1.00	-	8.5	11.1	13.0	13.9
Z5_PIPE_3332	Z5_MH_3912	Z5_OF_5017	L1	8	0.015	Circular	1.00	-	1.2	1.5	2.1	2.9
Z5_PIPE_3333	Z5_IL_2269	Z5_OF_5024	L2	46	0.015	Circular	1.00	-	1.7	2.2	2.8	3.7
Z5_PIPE_3335	Z5_CB_522	Z5_CB_660	L3	140	0.015	Circular	1.75	-	13.0	16.0	17.8	19.7
Z5_PIPE_3337	Z5_MH_5150	Z5_SGMH_4859	K3	115	0.015	Circular	3.50	-	54.3	64.5	76.5	89.2
Z5_PIPE_3338	Z5_IL_5156	Z5_OF_5044	K3	182	0.010	Circular	0.50	-	1.8	2.3	3.0	3.6
Z5_PIPE_3341	Z5_SGIL_4619	Z5_OF_5035	J2	37	0.015	Circular	1.25	-	3.7	4.6	5.9	7.7
Z5_PIPE_3342	Z5_IL_2727	Z5_IL_4932	H2	30	0.015	Circular	2.00	-	1.8	2.3	3.1	4.3
Z5_PIPE_3343	Z5_IL_4932	Z5_OF_5037	H2	14	0.015	Circular	2.00	-	1.8	2.3	3.1	4.3
Z5_PIPE_3344	Z5_MH_5164	Z5_MH_5162	H3	18	0.015	Rectangular	4.00	6.00	171.1	208.9	249.2	290.0
Z5_PIPE_3345	Z5_IL_2580	Z5_IL_3385	K3	233	0.015	Circular	2.50	-	7.7	10.6	14.4	17.4
Z5_PIPE_3346	Z5_CB_92	Z5_CB_81	E3	58	0.015	Circular	0.83	-	1.2	1.5	2.0	2.8
Z5_PIPE_3347	Z5_CB_80	Z5_CB_81	E3	90	0.015	Circular	0.83	-	1.4	1.8	2.4	3.2
Z5_PIPE_3348	Z5_CB_81	Z5_OF_5053	E3	31	0.015	Circular	0.83	-	2.5	3.3	4.3	5.9
Z5_PIPE_3349	Z5_MH_5131	Z5_OF_5055	G4	76	0.015	Circular	0.67	-	1.5	1.9	2.4	3.1
Z5_PIPE_3350	Z5_IL_2702	Z5_OF_5059	G3	102	0.015	Circular	0.67	-	1.3	1.7	2.2	2.8
Z5_PIPE_3351	Z5_IL_2705	Z5_OF_5060	G3	116	0.015	Circular	0.67	-	1.7	2.2	2.8	3.8
Z5_PIPE_3352	Z5_IL_3487	Z5_MH_4252	F4	19	0.015	Circular	1.00	-	3.9	4.2	4.9	6.4
Z5_PIPE_3353	Z5_MH_5137	Z5_MH_5141	F4	198	0.015	Rectangular	3.00	5.00	67.9	78.9	82.0	85.5
Z5_PIPE_3354	Z5_MH_5561	Z5_CB_616	G3	100	0.015	Rectangular	2.50	6.00	67.9	78.5	81.6	85.2
Z5_PIPE_3355	Z5_MH_4114	Z5_OF_5063	G3	64	0.024	Arch	3.17	4.75	81.6	93.5	103.4	116.2
Z5_PIPE_3356	Z5_MH_5146	Z5_MH_5147	G4	75	0.015	Circular	4.00	-	89.2	105.8	119.2	133.7
Z5_PIPE_3357	Z5_IL_2563	Z5_OF_135	J4	49	0.010	Circular	1.00	-	1.5	2.0	2.6	3.7
Z5_PIPE_358	Z5_CB_48	Z5_IL_2244	L4	30	0.015	Circular	1.00	-	0.7	1.0	1.4	1.9
Z5_PIPE_359	Z5_IL_2244	Z5_OF_4499	L4	100	0.015	Circular	1.00	-	0.7	1.0	1.4	1.9
Z5_PIPE_360	Z5_MH_3807	Z5_SGMH_4858	L2	55	0.015	Circular	3.00	-	13.5	15.5	18.0	21.5
Z5_PIPE_366	Z5_IL_2082	Z5_IL_2083	J4	103	0.010	Circular	1.00	-	1.7	2.2	4.7	5.8
Z5_PIPE_367	Z5_IL_2083	Z5_SGIL_4709	J4	184	0.010	Circular	1.00	-	1.7	2.2	4.4	4.7
Z5_PIPE_368	Z5_IL_2084	Z5_IL_2085	J4	103	0.010	Circular	1.00	-	1.8	2.3	2.9	4.0
Z5_PIPE_369	Z5_IL_2085	Z5_SGIL_4710	J4	165	0.010	Circular	1.00	-	1.8	2.3	2.9	4.0
Z5_PIPE_370	Z5_IL_2201	Z5_IL_2202	N3	116	0.024	Circular	1.00	-	1.6	2.1	2.2	2.4
Z5_PIPE_371	Z5_IL_2202	Z5_OF_5007	N3	49	0.024	Circular	1.00	-	1.6	2.1	2.2	2.4
Z5_PIPE_3827	Z5_MH_3911	Z5_MH_3912	L1	2	0.015	Circular	1.00	-	0.0	0.0	0.0	0.0
Z5_PIPE_395	Z5_CB_44	Z5_MH_3843	M2	14	0.015	Circular	1.50	-	2.8	3.5	4.4	5.7
Z5_PIPE_397	Z5_IL_2270	Z5_IL_2271	N3	68	0.024	Circular	1.00	-	0.0	0.0	0.0	0.0
Z5_PIPE_398	Z5_IL_4963	Z5_IL_2271	N3	253	0.024	Circular	1.00	-	0.0	0.0	0.0	0.0
Z5_PIPE_4034	Z5_CB_475	Z5_CB_50	M2	11	0.015	Circular	1.00	-	0.0	0.0	0.0	0.0
Z5_PIPE_408	Z5_IL_1092	Z5_MH_3724	K3	37	0.010	Circular	1.00	-	0.0	0.0	0.2	2.5
Z5_PIPE_409	Z5_IL_3250	Z5_IL_3654	K4	30	0.015	Circular	1.50	-	0.9	1.2	1.6	2.3
Z5_PIPE_410	Z5_IL_3250	Z5_OF_4599	K4	68	0.015	Circular	1.50	-	3.1	3.9	5.1	6.9
Z5_PIPE_4224	Z5_IL_2840	Z5_MH_3931	K2	10	0.015	Circular	1.25	-	5.1	6.6	8.7	12.2
Z5_PIPE_437	Z5_IL_1507	Z5_MH_4158	J4	37	0.015	Circular	1.50	-	3.7	5.0	6.6	9.0
Z5_PIPE_439	Z5_IL_1513	Z5_OF_5070	J4	120	0.015	Circular	1.00	-	0.5	0.6	0.7	1.0
Z5_PIPE_440	Z5_IL_5391	Z5_OF_5071	J4	159	0.015	Circular	1.00	-	1.4	1.8	2.2	2.9
Z5_PIPE_4404	Z5_IL_2841	Z5_MH_3931	K2	18	0.015	Circular	1.00	-	1.6	2.1	2.8	3.9
Z5_PIPE_457	Z5_SGIL_4604	Z5_MH_4229	J3	39	0.015	Circular	1.00	-	0.0	0.0	0.0	2.0
Z5_PIPE_463	Z5_IL_2231	Z5_IL_2232	K4	35	0.015	Circular	1.00	-	1.0	1.3	1.7	2.3
Z5_PIPE_464	Z5_IL_2232	Z5_MH_3832	K4	73	0.015	Circular	1.00	-	1.0	1.3	1.7	2.3
Z5_PIPE_465	Z5_MH_3832	Z5_MH_4319	K4	244	0.015	Circular	1.00	-	1.0	1.3	1.7	2.3
Z5_PIPE_466	Z5_IL_2233	Z5_IL_2467	K4	29	0.015	Circular	1.00	-	1.3	1.6	2.1	2.8
Z5_PIPE_4711	Z5_CB_50	Z5_MH_5578	M2	500	0.010	Circular	1.00	-	0.1	0.1	0.1	0.1
Z5_PIPE_477	Z5_IL_2945	Z5_MH_3897	L4	20	0.015	Circular	1.25	-	0.5	0.8	1.3	2.0
Z5_PIPE_478	Z5_IL_2885	Z5_MH_3897	L4	11	0.015	Circular	1.25	-	0.0	0.0	0.0	0.0
Z5_PIPE_479	Z5_IL_2888	Z5_MH_3898	L4	15	0.015	Circular	1.25	-	0.5	0.8	1.2	1.8
Z5_PIPE_480	Z5_MH_3897	Z5_MH_3898	L4	233	0.015	Circular	1.50	-	0.5	0.8	1.3	1.9
Z5_PIPE_481	Z5_IL_2889	Z5_MH_3898	M4	20	0.015	Circular	1.25	-	0.0	0.0	0.0	0.0
Z5_PIPE_482	Z5_MH_3898	Z5_MH_3924	L4	202	0.015	Circular	1.50	-	0.9	1.5	2.3	3.6
Z5_PIPE_483	Z5_IL_2887	Z5_MH_3925	L4	70	0.015	Circular	1.50	-	0.6	0.9	1.3	2.0
Z5_PIPE_484	Z5_IL_2886	Z5_MH_3924	L4	8	0.015	Circular	1.25	-	0.0	0.0	0.0	0.0
Z5_PIPE_485	Z5_MH_3924	Z5_MH_3925	L4	45	0.015	Circular	1.75	-	0.9	1.5	2.3	3.6
Z5_PIPE_486	Z5_MH_3925	Z5_MH_3923	L4	109	0.015	Circular	1.75	-	1.5	2.4	3.7	5.6
Z5_PIPE_487	Z5_IL_2259	Z5_IL_2260	K4	32	0.015	Circular	1.00	-	0.7	0.9	1.2	1.7
Z5_PIPE_488	Z5_IL_2260	Z5_IL_2261	K4	100	0.015	Circular	1.00	-	0.7	0.9	1.2	1.7
Z5_PIPE_489	Z5_IL_2261	Z5_MH_3833	K4	75	0.015	Circular	1.25	-	0.7	0.9	1.2	1.7
Z5_PIPE_500	Z5_IL_2466	Z5_CB_445	H2	134	0.015	Circular	1.50	-	5.4	6.8	8.8	9.3

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Zone 5 West Existing Pipes

Link ID*	From Node	To Node	County Grid #	Length (ft)	Manning's N	Shape	Max Depth (ft)	Bottom Width (ft)	Max Q (cfs)			
									5Yr	10Yr	25Yr	100Yr
Z5_PIPE_501	Z5_IL_2465	Z5_IL_2466	H2	139	0.015	Circular	1.50	-	5.4	6.8	8.7	9.3
Z5_PIPE_502	Z5_IL_2464	Z5_IL_2465	H2	11	0.015	Circular	1.50	-	3.2	4.1	5.5	6.3
Z5_PIPE_507	Z5_IL_4931	Z5_MH_5572	M3	21	0.015	Rectangular	6.00	6.00	4.3	5.6	7.3	10.0
Z5_PIPE_525	Z5_CB_404	Z5_MH_4077	F4	101	0.015	Circular	1.25	-	0.0	0.0	0.0	0.0
Z5_PIPE_526	Z5_CB_405	Z5_CB_406	F4	30	0.015	Circular	1.00	-	1.0	1.4	1.9	2.7
Z5_PIPE_527	Z5_CB_406	Z5_MH_4077	F4	39	0.015	Circular	1.00	-	1.0	1.4	1.9	2.7
Z5_PIPE_528	Z5_CB_407	Z5_MH_4077	F4	19	0.015	Circular	1.00	-	1.1	1.3	1.7	2.1
Z5_PIPE_529	Z5_MH_4077	Z5_MH_4078	F4	167	0.015	Circular	1.25	-	2.1	2.7	3.6	4.9
Z5_PIPE_530	Z5_CB_401	Z5_MH_4078	F4	11	0.015	Circular	1.00	-	0.6	0.8	1.0	1.4
Z5_PIPE_531	Z5_CB_402	Z5_MH_4078	F4	20	0.015	Circular	1.00	-	0.7	0.9	1.2	1.6
Z5_PIPE_532	Z5_MH_4078	Z5_MH_4079	F4	212	0.015	Circular	1.50	-	3.3	4.3	5.7	7.9
Z5_PIPE_533	Z5_CB_403	Z5_MH_4079	F4	16	0.015	Circular	1.00	-	1.1	1.4	2.0	2.8
Z5_PIPE_534	Z5_MH_4079	Z5_MH_4080	F4	176	0.015	Circular	1.50	-	4.3	5.7	7.7	10.6
Z5_PIPE_535	Z5_CB_131	Z5_MH_4080	F4	20	0.015	Circular	1.00	-	2.5	4.1	3.7	3.8
Z5_PIPE_536	Z5_CB_399	Z5_MH_4080	F4	51	0.015	Circular	1.00	-	2.3	3.0	4.1	5.6
Z5_PIPE_537	Z5_MH_4080	Z5_MH_4081	F4	130	0.024	Circular	1.50	-	7.1	7.6	7.6	8.4
Z5_PIPE_538	Z5_IL_2783	Z5_MH_3922	L4	54	0.015	Circular	1.75	-	1.8	2.8	4.2	6.4
Z5_PIPE_5380	Z5_MH_3931	Z5_MH_3930	K2	37	0.015	Circular	2.00	-	6.6	8.6	11.3	15.4
Z5_PIPE_541	Z5_IL_5130	Z5_IL_1507	J4	70	0.024	Circular	1.50	-	1.4	1.8	2.5	3.4
Z5_PIPE_542	Z5_IL_3162	Z5_IL_1507	J4	114	0.015	Circular	1.25	-	2.4	3.2	4.3	5.8
Z5_PIPE_543	Z5_IL_2984	Z5_MH_4158	J4	16	0.015	Circular	1.25	-	4.7	6.3	8.4	11.5
Z5_PIPE_544	Z5_MH_4158	Z5_OF_5072	J4	55	0.015	Circular	1.50	-	8.0	10.7	14.3	19.6
Z5_PIPE_545	Z5_CB_205	Z5_CB_204	H4	73	0.015	Circular	1.75	-	2.1	2.7	3.6	4.9
Z5_PIPE_5456	Z5_CB_513	Z5_CB_514	K2	148	0.015	Circular	1.00	-	1.6	2.0	2.6	3.5
Z5_PIPE_5457	Z5_CB_512	Z5_CB_513	K2	126	0.015	Circular	1.00	-	1.6	2.0	2.6	3.6
Z5_PIPE_546	Z5_IL_3126	Z5_CB_515	K3	23	0.015	Circular	1.50	-	3.5	4.7	6.3	7.3
Z5_PIPE_547	Z5_IL_2836	Z5_IL_2837	K3	45	0.015	Circular	1.00	-	1.1	1.3	1.7	2.1
Z5_PIPE_548	Z5_IL_2837	Z5_MH_4129	K3	39	0.015	Circular	1.50	-	1.1	1.3	1.7	2.1
Z5_PIPE_5570	Z5_IL_5565	Z5_IL_3654	K4	17	0.015	Circular	1.00	-	0.1	0.1	0.1	0.2
Z5_PIPE_5571	Z5_IL_5566	Z5_IL_5565	K4	15	0.015	Circular	1.00	-	0.1	0.1	0.1	0.2
Z5_PIPE_5595	Z5_IL_2271	Z5_OF_5008	N3	50	0.015	Circular	1.00	-	0.7	0.9	1.2	1.7
Z5_PIPE_5596	Z5_MH_3777	Z5_MH_3860	M3	106	0.015	Circular	1.50	-	6.9	8.9	10.9	12.5
Z5_PIPE_5597	Z5_MH_3778	Z5_MH_3779	M3	14	0.015	Circular	1.50	-	11.2	14.4	18.0	22.1
Z5_PIPE_5598	Z5_IL_5125	Z5_MH_5126	M3	16	0.015	Circular	2.50	-	40.0	47.8	53.3	56.8
Z5_PIPE_5601	Z5_IL_1186	Z5_IL_3405	L3	329	0.015	Circular	1.25	-	1.1	1.5	1.9	2.7
Z5_PIPE_5602	Z5_MH_5127	Z5_IL_3483	L3	14	0.015	Circular	1.75	-	1.8	2.2	2.8	3.7
Z5_PIPE_5603	Z5_MH_4320	Z5_CB_170	K4	185	0.015	Circular	1.75	-	2.1	3.2	4.6	6.7
Z5_PIPE_5604	Z5_IL_2410	Z5_IL_2411	L3	49	0.015	Circular	1.00	-	0.0	0.0	0.0	0.5
Z5_PIPE_5605	Z5_IL_2409	Z5_IL_2410	L3	56	0.015	Circular	1.00	-	0.0	0.0	0.0	0.5
Z5_PIPE_5606	Z5_IL_2408	Z5_IL_2409	L3	50	0.015	Circular	1.00	-	0.0	0.0	0.0	0.5
Z5_PIPE_5607	Z5_MH_5128	Z5_SGMH_4869	K3	131	0.015	Circular	3.50	-	41.9	54.1	70.4	87.5
Z5_PIPE_5608	Z5_IL_3283	Z5_IL_3399	H4	174	0.015	Circular	2.00	-	11.7	14.0	17.2	21.9
Z5_PIPE_5609	Z5_MH_4352	Z5_MH_4185	J3	106	0.015	Circular	2.50	-	22.3	27.8	35.1	45.8
Z5_PIPE_5610	Z5_MH_4341	Z5_MH_3722	K3	138	0.015	Circular	3.00	-	36.1	46.6	60.1	74.1
Z5_PIPE_5611	Z5_IL_3385	Z5_MH_4225	K3	21	0.015	Circular	2.50	-	7.7	10.6	14.4	17.4
Z5_PIPE_5612	Z5_MH_4228	Z5_MH_5129	K3	46	0.015	Circular	3.00	-	17.0	22.5	30.3	41.2
Z5_PIPE_5614	Z5_IL_3651	Z5_MH_4342	J4	165	0.015	Circular	1.00	-	1.0	1.3	1.8	2.4
Z5_PIPE_5615	Z5_SGIL_4783	Z5_OF_4573	K4	191	0.015	Circular	1.00	-	1.6	2.0	2.7	3.6
Z5_PIPE_5616	Z5_IL_2120	Z5_MH_4260	J4	198	0.015	Circular	1.00	-	1.0	1.2	2.6	3.0
Z5_PIPE_5617	Z5_MH_3810	Z5_MH_3815	H4	35	0.015	Circular	3.00	-	28.0	31.6	35.3	39.6
Z5_PIPE_5618	Z5_MH_3814	Z5_MH_3816	H4	48	0.015	Circular	3.00	-	31.2	36.4	42.0	48.9
Z5_PIPE_5619	Z5_MH_4345	Z5_MH_4346	H4	60	0.015	Circular	3.00	-	31.9	37.0	43.0	50.4
Z5_PIPE_5620	Z5_MH_4346	Z5_MH_4347	H4	96	0.015	Circular	3.00	-	31.9	37.0	43.0	50.4
Z5_PIPE_5621	Z5_MH_4347	Z5_MH_4348	J4	40	0.015	Circular	3.00	-	32.2	37.4	43.6	51.5
Z5_PIPE_5622	Z5_IL_3668	Z5_MH_4186	H4	29	0.015	Circular	2.50	-	1.3	2.0	2.9	4.3
Z5_PIPE_5623	Z5_MH_3980	Z5_MH_4348	J4	11	0.015	Circular	2.50	-	2.7	3.7	5.4	8.1
Z5_PIPE_5624	Z5_MH_4348	Z5_MH_3844	J4	18	0.015	Circular	2.75	-	34.8	41.1	48.9	59.3
Z5_PIPE_5625	Z5_MH_4326	Z5_MH_4020	H4	44	0.015	Circular	1.00	-	0.7	0.9	2.4	3.9
Z5_PIPE_5626	Z5_MH_4021	Z5_MH_4323	H4	31	0.015	Circular	1.00	-	2.0	2.5	3.8	3.8
Z5_PIPE_5627	Z5_CB_384	Z5_CB_385	E4	5	0.015	Circular	2.25	-	3.4	4.4	5.8	8.1
Z5_PIPE_5628	Z5_IL_3211	Z5_CB_389	E4	31	0.015	Circular	2.50	-	41.4	56.4	72.0	90.5
Z5_PIPE_5629	Z5_MH_5139	Z5_MH_4251	G3	13	0.015	Circular	1.00	-	5.2	5.4	5.1	5.1
Z5_PIPE_5630	Z5_IL_5138	Z5_MH_5136	F4	108	0.015	Rectangular	3.00	5.00	66.1	77.2	78.8	81.1
Z5_PIPE_5631	Z5_MH_5136	Z5_MH_5137	F4	39	0.024	Rectangular	3.00	5.00	67.5	78.4	81.3	84.5
Z5_PIPE_5632	Z5_IL_5142	Z5_MH_5143	G3	23	0.024	Arch	3.17	4.75	72.0	82.6	85.8	90.7
Z5_PIPE_5633	Z5_IL_4939	Z5_MH_5146	G4	19	0.015	Circular	4.00	-	87.7	104.5	117.0	131.6
Z5_PIPE_5634	Z5_IL_2691	Z5_OF_5064	G4	148	0.015	Circular	4.50	-	117.0	138.5	160.0	178.3
Z5_PIPE_5635	Z5_MH_5147	Z5_MH_3903	G4	21	0.015	Circular	4.50	-	116.5	138.0	159.3	177.5
Z5_PIPE_5636	Z5_IL_3156	Z5_MH_5154	H3	35	0.015	Circular	4.50	-	154.1	187.1	221.3	255.8
Z5_PIPE_5637	Z5_MH_3800	Z5_MH_4169	M2	165	0.015	Circular	2.00	-	7.4	9.6	12.7	16.9

\*The term "NEW" in a Link ID does not reflect the age or condition of the actual link. It is modeling nomenclature only.

Zone 5 West Existing Pipes

Link ID*	From Node	To Node	County Grid #	Length (ft)	Manning's N	Shape	Max Depth (ft)	Bottom Width (ft)	Max Q (cfs)			
									5Yr	10Yr	25Yr	100Yr
Z5_PIPE_5638	Z5_MH_3998	Z5_MH_3744	M2	8	0.015	Circular	2.00	-	10.5	13.1	16.5	20.2
Z5_PIPE_5639	Z5_MH_4315	Z5_SGMH_4847	M2	123	0.015	Circular	2.00	-	10.5	13.1	16.5	20.2
Z5_PIPE_5640	Z5_SGIL_4721	Z5_IL_1178	M2	58	0.015	Circular	1.50	-	4.1	4.8	5.6	6.1
Z5_PIPE_5641	Z5_IL_1179	Z5_SGIL_4623	M2	20	0.015	Circular	1.75	-	10.2	12.5	15.2	18.8
Z5_PIPE_5642	Z5_MH_3951	Z5_OF_5013	M1	7	0.015	Circular	1.00	-	1.2	1.6	2.1	2.9
Z5_PIPE_5643	Z5_IL_2771	Z5_IL_2262	M1	76	0.015	Circular	1.00	-	1.9	2.5	3.4	4.6
Z5_PIPE_5644	Z5_IL_2263	Z5_OF_5012	M1	50	0.015	Circular	1.00	-	2.5	3.3	4.5	6.2
Z5_PIPE_5645	Z5_IL_2835	Z5_IL_3210	K3	30	0.015	Circular	1.50	-	12.2	9.2	11.7	8.9
Z5_PIPE_5646	Z5_IL_1515	Z5_MH_3806	L3	44	0.015	Circular	1.50	-	16.0	17.6	19.4	21.6
Z5_PIPE_5647	Z5_MH_4222	Z5_MH_4339	J3	12	0.015	Circular	2.00	-	2.9	3.7	4.9	7.7
Z5_PIPE_5648	Z5_MH_4336	Z5_IL_2986	K3	19	0.015	Circular	1.25	-	7.8	8.0	7.4	8.5
Z5_PIPE_5649	Z5_SGIL_4799	Z5_MH_5150	K3	93	0.015	Circular	3.50	-	19.7	33.9	48.2	61.4
Z5_PIPE_5650	Z5_MH_4130	Z5_MH_4212	K3	12	0.015	Circular	2.50	-	24.8	24.9	24.7	24.6
Z5_PIPE_5651	Z5_MH_4212	Z5_MH_4333	K3	14	0.015	Circular	2.50	-	24.8	24.9	24.6	24.6
Z5_PIPE_5652	Z5_IL_2855	Z5_IL_2854	K3	124	0.015	Circular	1.00	-	2.3	2.4	2.7	3.3
Z5_PIPE_5653	Z5_IL_3646	Z5_IL_3645	K2	16	0.015	Circular	1.00	-	0.0	0.0	0.0	0.1
Z5_PIPE_5654	Z5_MH_3916	Z5_MH_5157	J2	140	0.015	Circular	1.25	-	2.4	3.2	4.3	6.0
Z5_PIPE_5656	Z5_IL_2973	Z5_IL_2974	K3	33	0.015	Arch	4.00	5.50	187.9	228.7	266.7	298.5
Z5_PIPE_5657	Z5_MH_5160	Z5_MH_4209	H3	111	0.015	Circular	4.50	-	3.1	4.1	5.4	7.5
Z5_PIPE_5658	Z5_IL_3339	Z5_IL_3340	H3	34	0.015	Circular	1.00	-	1.0	1.3	1.7	2.4
Z5_PIPE_5659	Z5_IL_5163	Z5_MH_5164	H3	15	0.015	Rectangular	4.00	6.00	161.4	196.7	233.9	272.4
Z5_PIPE_5660	Z5_MH_5162	Z5_OF_4450	H3	30	0.015	Rectangular	4.00	6.00	171.6	209.6	250.3	291.7
Z5_PIPE_5661	Z5_CB_121	Z5_IL_3673	J2	52	0.015	Circular	2.50	-	10.4	12.5	15.4	20.0
Z5_PIPE_5662	Z5_IL_1457	Z5_IL_3676	J2	32	0.015	Circular	2.75	-	25.4	31.7	36.6	40.7
Z5_PIPE_5663	Z5_MH_3979	Z5_IL_3667	J2	64	0.015	Circular	2.75	-	25.5	31.7	36.6	40.7
Z5_PIPE_5664	Z5_IL_3667	Z5_IL_3666	J2	64	0.015	Circular	2.75	-	27.0	33.6	39.3	43.8
Z5_PIPE_5665	Z5_IL_3665	Z5_MH_3973	J2	80	0.015	Circular	2.75	-	31.9	39.1	46.8	53.2
Z5_PIPE_5666	Z5_MH_3973	Z5_IL_3663	J2	44	0.015	Circular	2.75	-	31.9	39.1	46.8	53.2
Z5_PIPE_5667	Z5_MH_4200	Z5_IL_3168	J2	111	0.015	Circular	1.00	-	4.5	5.6	6.8	6.9
Z5_PIPE_5668	Z5_MH_4312	Z5_IL_3195	H2	15	0.015	Circular	2.00	-	6.8	8.7	11.2	15.1
Z5_PIPE_5669	Z5_MH_3770	Z5_MH_5167	H2	61	0.015	Circular	1.25	-	1.1	1.3	1.5	1.9
Z5_PIPE_5670	Z5_CB_193	Z5_MH_3771	H2	26	0.015	Circular	2.25	-	17.6	20.7	24.9	31.1
Z5_PIPE_5671	Z5_MH_4231	Z5_MH_5168	G3	52	0.015	Circular	2.50	-	54.7	55.8	58.4	61.3
Z5_PIPE_5672	Z5_MH_3726	Z5_MH_5169	G3	73	0.015	Circular	2.50	-	50.8	52.2	53.1	56.9
Z5_PIPE_5673	Z5_CB_185	Z5_MH_5170	G3	40	0.015	Circular	1.50	-	1.9	2.5	3.2	4.4
Z5_PIPE_5675	Z5_IL_3643	Z5_IL_3110	K2	15	0.015	Circular	1.00	-	0.0	0.0	0.0	0.0
Z5_PIPE_5679	Z5_IL_3316	Z5_MH_4338	K4	29	0.015	Circular	1.25	-	0.5	0.6	1.6	2.3
Z5_PIPE_5683	Z5_MH_4920	Z5_MH_5281	E4	26	0.015	Circular	1.25	-	8.0	10.7	14.4	19.6
Z5_PIPE_5693	Z5_MH_4008	Z5_MH_5166	H2	13	0.015	Circular	2.00	-	3.6	4.5	5.6	7.3
Z5_PIPE_5697	Z5_MH_4001	Z5_OF_5560	K4	161	0.015	Circular	1.50	-	0.1	6.8	13.4	18.0
Z5_PIPE_5698	Z5_MH_5141	Z5_MH_5561	G3	151	0.024	Rectangular	2.50	6.00	67.9	78.5	81.6	85.2
Z5_PIPE_5699	Z5_MH_5562	Z5_MH_5563	L3	285	0.015	Circular	1.00	-	0.8	1.1	1.7	2.4
Z5_PIPE_5700	Z5_MH_5563	Z5_OF_4527	L3	221	0.015	Circular	1.00	-	0.8	1.1	1.7	2.4
Z5_PIPE_5702	Z5_MH_4270	Z5_MH_5567	K4	500	0.015	Circular	3.50	-	46.3	59.0	74.8	86.1
Z5_PIPE_5704	Z5_IL_5570	Z5_IL_5571	M3	48	0.015	Circular	1.25	-	0.2	0.3	0.4	0.5
Z5_PIPE_5705	Z5_MH_5572	Z5_OF_4436	M3	45	0.015	Rectangular	6.00	6.00	7.9	8.1	8.2	10.1
Z5_PIPE_5706	Z5_IL_5571	Z5_MH_5572	M3	19	0.010	Circular	1.25	-	0.2	0.3	0.4	0.5
Z5_PIPE_5707	Z5_IL_4940	Z5_MH_5155	H3	151	0.015	Rectangular	4.00	4.00	77.0	90.8	105.3	120.6
Z5_PIPE_5709	Z5_IL_5161	Z5_IL_2973	H3	95	0.015	Arch	4.00	5.50	186.3	226.4	263.9	295.3
Z5_PIPE_5712	Z5_MH_5577	Z5_OF_5030	K2	58	0.015	Circular	1.00	-	6.3	6.3	6.3	6.4
Z5_PIPE_5713	Z5_IL_2851	Z5_MH_4131	K3	54	0.015	Circular	1.50	-	0.1	0.1	0.2	2.4
Z5_PIPE_5714	Z5_MH_5579	Z5_MH_3955	L3	50	0.015	Circular	1.50	-	6.3	7.9	12.2	11.3
Z5_PIPE_576	Z5_IL_2564	Z5_CB_140	J4	95	0.015	Circular	1.50	-	3.8	4.8	6.1	8.1
Z5_PIPE_577	Z5_CB_140	Z5_CB_841	J4	177	0.015	Circular	1.50	-	3.8	4.8	6.1	8.1
Z5_PIPE_583	Z5_MH_4301	Z5_MH_4300	J4	153	0.015	Circular	1.50	-	2.9	3.8	5.1	7.4
Z5_PIPE_584	Z5_CB_534	Z5_MH_4144	J4	13	0.015	Circular	1.00	-	5.9	7.7	10.1	14.0
Z5_PIPE_585	Z5_SGIL_4609	Z5_IL_1046	K4	8	0.015	Circular	1.50	-	5.7	5.7	5.6	5.6
Z5_PIPE_587	Z5_CB_386	Z5_MH_4076	E4	11	0.015	Circular	2.25	-	3.4	4.4	5.8	8.1
Z5_PIPE_598	Z5_IL_2822	Z5_OF_4461	M3	122	0.015	Circular	1.00	-	1.0	1.4	1.9	2.6
Z5_PIPE_599	Z5_IL_4928	Z5_OF_4464	M3	114	0.015	Circular	1.00	-	3.3	4.4	6.0	8.4
Z5_PIPE_600	Z5_IL_4929	Z5_OF_4463	M3	27	0.015	Circular	1.25	-	1.2	1.7	2.3	3.2
Z5_PIPE_601	Z5_IL_3196	Z5_OF_4462	M3	42	0.015	Circular	1.00	-	6.1	7.7	9.8	13.0
Z5_PIPE_618	Z5_IL_2715	Z5_MH_3905	J3	26	0.015	Circular	1.00	-	0.9	1.2	1.7	2.3
Z5_PIPE_619	Z5_IL_2716	Z5_MH_3905	J3	20	0.015	Circular	1.25	-	0.0	0.0	0.0	0.0
Z5_PIPE_62	Z5_IL_2525	Z5_OF_4444	J4	160	0.015	Circular	1.25	-	3.2	4.1	5.3	6.3
Z5_PIPE_620	Z5_IL_2714	Z5_MH_3904	J3	24	0.015	Circular	0.67	-	0.7	1.0	1.4	2.0
Z5_PIPE_621	Z5_IL_2713	Z5_MH_3904	J3	17	0.015	Circular	1.00	-	0.0	0.0	0.0	0.0
Z5_PIPE_622	Z5_MH_3904	Z5_MH_3905	J3	204	0.015	Circular	1.50	-	0.7	1.0	1.4	2.0
Z5_PIPE_623	Z5_IL_2595	Z5_MH_3887	K2	9	0.015	Circular	1.00	-	0.7	0.9	1.1	3.4
Z5_PIPE_624	Z5_MH_3913	Z5_MH_3888	K2	43	0.015	Circular	1.50	-	4.9	6.2	7.7	9.5

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Zone 5 West Existing Pipes

Link ID*	From Node	To Node	County Grid #	Length (ft)	Manning's N	Shape	Max Depth (ft)	Bottom Width (ft)	Max Q (cfs)			
									5Yr	10Yr	25Yr	100Yr
Z5_PIPE_628	Z5_IL_1105	Z5_IL_1106	G3	73	0.015	Circular	1.00	-	1.2	1.5	1.8	2.2
Z5_PIPE_629	Z5_MH_5169	Z5_OF_5057	G3	104	0.015	Circular	2.50	-	51.7	53.4	54.6	57.7
Z5_PIPE_63	Z5_IL_2526	Z5_IL_2525	J4	18	0.024	Circular	1.00	-	1.9	2.4	3.2	3.5
Z5_PIPE_630	Z5_IL_1145	Z5_MH_3729	G3	177	0.015	Circular	1.00	-	0.9	1.1	1.5	2.0
Z5_PIPE_632	Z5_MH_3729	Z5_MH_3730	G3	86	0.015	Circular	1.00	-	0.9	1.2	1.5	2.0
Z5_PIPE_633	Z5_MH_3731	Z5_MH_3730	G3	73	0.015	Circular	2.00	-	12.9	14.3	14.7	15.3
Z5_PIPE_634	Z5_MH_3732	Z5_MH_3731	G3	310	0.015	Circular	2.00	-	12.9	14.2	14.7	15.3
Z5_PIPE_635	Z5_IL_1147	Z5_MH_3732	G3	31	0.015	Circular	1.00	-	1.6	2.0	2.4	3.1
Z5_PIPE_636	Z5_MH_3733	Z5_MH_3732	G3	100	0.015	Circular	1.75	-	11.3	12.3	12.4	12.7
Z5_PIPE_64	Z5_CB_64	Z5_IL_2530	J4	77	0.010	Circular	1.00	-	0.0	0.0	0.0	0.0
Z5_PIPE_640	Z5_IL_1151	Z5_IL_1150	G3	218	0.015	Circular	1.00	-	0.0	0.0	0.0	0.0
Z5_PIPE_641	Z5_IL_1150	Z5_MH_3734	G3	30	0.015	Circular	1.00	-	6.4	7.8	8.5	8.5
Z5_PIPE_642	Z5_IL_1154	Z5_MH_3734	G3	66	0.015	Circular	1.00	-	0.9	1.1	1.3	1.7
Z5_PIPE_643	Z5_MH_3734	Z5_MH_3735	G3	413	0.015	Circular	1.50	-	7.4	8.6	9.0	8.8
Z5_PIPE_644	Z5_IL_1155	Z5_IL_1155	G3	19	0.015	Circular	2.50	-	48.9	50.9	55.9	62.0
Z5_PIPE_646	Z5_IL_1153	Z5_MH_3734	G3	128	0.015	Circular	1.00	-	0.0	0.0	0.0	0.0
Z5_PIPE_647	Z5_SGIL_4618	Z5_MH_3727	L4	96	0.015	Circular	1.00	-	1.6	2.1	2.9	4.1
Z5_PIPE_648	Z5_MH_3727	Z5_MH_3728	K4	59	0.015	Circular	1.00	-	1.6	2.1	2.9	4.1
Z5_PIPE_65	Z5_IL_2550	Z5_SGIL_4746	J4	81	0.015	Circular	1.25	-	3.6	4.7	6.0	8.0
Z5_PIPE_66	Z5_IL_2563	Z5_IL_2562	J4	25	0.015	Circular	1.25	-	0.6	0.9	1.2	1.7
Z5_PIPE_660	Z5_IL_2565	Z5_IL_2564	J4	38	0.010	Circular	1.50	-	3.5	4.4	5.5	7.1
Z5_PIPE_676	Z5_MH_3714	Z5_MH_4194	J4	233	0.015	Circular	3.00	-	27.7	35.1	44.5	51.8
Z5_PIPE_68	Z5_IL_2576	Z5_IL_2577	J4	65	0.015	Circular	1.25	-	4.5	6.2	7.6	8.6
Z5_PIPE_681	Z5_CB_111	Z5_MH_3966	J2	15	0.015	Circular	3.00	-	38.9	47.2	56.0	64.5
Z5_PIPE_682	Z5_CB_570	Z5_SGIL_4619	J2	49	0.010	Circular	1.25	-	3.7	4.6	5.9	7.7
Z5_PIPE_69	Z5_CB_132	Z5_IL_2579	J4	34	0.015	Circular	1.50	-	4.5	6.2	7.9	10.0
Z5_PIPE_697	Z5_MH_4143	Z5_MH_4142	K4	384	0.015	Circular	3.50	-	37.5	47.5	60.3	72.6
Z5_PIPE_699	Z5_MH_4142	Z5_MH_4145	K4	364	0.015	Circular	3.50	-	41.0	51.9	65.9	78.8
Z5_PIPE_70	Z5_IL_2579	Z5_IL_2576	J4	340	0.015	Circular	1.50	-	4.5	6.2	7.6	8.7
Z5_PIPE_700	Z5_CB_537	Z5_MH_4142	K4	7	0.015	Circular	1.00	-	2.4	2.9	3.6	4.6
Z5_PIPE_707	Z5_MH_3833	Z5_OF_4445	K4	100	0.015	Circular	1.25	-	2.0	2.7	3.6	5.0
Z5_PIPE_708	Z5_MH_4338	Z5_MH_4197	K4	65	0.015	Circular	3.50	-	44.1	55.9	70.8	82.9
Z5_PIPE_709	Z5_IL_3315	Z5_SGIL_4609	K4	50	0.015	Circular	1.00	-	1.2	1.5	2.0	3.6
Z5_PIPE_71	Z5_IL_2577	Z5_IL_2581	K3	202	0.015	Circular	1.75	-	5.6	7.7	9.8	11.8
Z5_PIPE_710	Z5_MH_4145	Z5_MH_4338	K4	80	0.015	Circular	3.50	-	43.7	55.3	69.9	81.8
Z5_PIPE_711	Z5_MH_4197	Z5_MH_4294	K4	276	0.015	Circular	3.50	-	44.1	55.9	70.8	82.9
Z5_PIPE_712	Z5_MH_4294	Z5_MH_4141	K4	292	0.015	Circular	3.50	-	44.1	55.9	70.8	83.5
Z5_PIPE_713	Z5_IL_3138	Z5_MH_4196	K4	52	0.015	Circular	1.00	-	6.0	7.7	9.9	11.1
Z5_PIPE_714	Z5_MH_4196	Z5_MH_4140	K4	181	0.015	Circular	3.50	-	54.7	70.2	87.4	100.1
Z5_PIPE_715	Z5_MH_4140	Z5_OF_5568	K4	275	0.015	Circular	3.50	-	54.7	70.2	87.4	100.1
Z5_PIPE_716	Z5_IL_3249	Z5_IL_3250	K4	77	0.015	Circular	1.50	-	2.1	2.7	3.5	4.6
Z5_PIPE_723	Z5_CB_52	Z5_OF_5026	M2	56	0.015	Circular	2.00	-	12.4	15.3	19.0	24.0
Z5_PIPE_725	Z5_IL_5299	Z5_MH_5300	L2	196	0.015	Circular	1.00	-	5.1	5.5	5.5	5.5
Z5_PIPE_727	Z5_MH_5300	Z5_OF_5022	L2	108	0.015	Circular	1.00	-	5.1	6.5	8.2	8.8
Z5_PIPE_729	Z5_IL_1464	Z5_IL_1465	H3	75	0.015	Circular	1.25	-	3.6	4.5	5.6	7.4
Z5_PIPE_737	Z5_IL_1658	Z5_IL_2978	K2	92	0.015	Circular	2.50	-	8.3	11.0	14.7	20.3
Z5_PIPE_739	Z5_IL_2739	Z5_MH_3912	L1	6	0.015	Circular	1.00	-	1.2	1.5	2.1	2.9
Z5_PIPE_740	Z5_IL_2411	Z5_IL_2412	L3	50	0.015	Circular	1.00	-	0.0	0.0	0.1	0.5
Z5_PIPE_741	Z5_IL_2413	Z5_IL_2415	L3	168	0.015	Circular	1.25	-	0.8	1.2	1.7	2.5
Z5_PIPE_743	Z5_IL_2419	Z5_IL_2420	L3	45	0.024	Circular	1.25	-	1.8	2.4	3.3	4.6
Z5_PIPE_744	Z5_IL_2513	Z5_IL_2420	L3	78	0.024	Circular	1.25	-	0.6	0.8	1.1	1.6
Z5_PIPE_745	Z5_IL_2421	Z5_MH_4387	L4	87	0.015	Circular	1.50	-	2.9	4.0	5.4	7.6
Z5_PIPE_749	Z5_IL_976	Z5_MH_4230	J3	52	0.010	Circular	1.50	-	0.0	0.0	0.0	3.5
Z5_PIPE_750	Z5_IL_977	Z5_MH_4230	J3	41	0.010	Circular	1.50	-	1.8	2.6	3.7	6.1
Z5_PIPE_751	Z5_MH_4230	Z5_MH_4229	J3	253	0.010	Circular	1.50	-	1.8	2.6	3.7	7.0
Z5_PIPE_757	Z5_IL_2415	Z5_OF_4388	K4	14	0.010	Circular	1.25	-	1.4	2.1	3.0	4.4
Z5_PIPE_759	Z5_IL_2326	Z5_MH_3850	J2	357	0.015	Circular	1.25	-	7.2	7.5	8.0	9.7
Z5_PIPE_762	Z5_IL_2552	Z5_IL_2551	H4	31	0.015	Circular	1.25	-	0.9	1.1	1.4	1.8
Z5_PIPE_763	Z5_IL_2551	Z5_OF_4391	H4	95	0.010	Circular	1.25	-	0.9	1.1	1.4	1.8
Z5_PIPE_764	Z5_IL_2553	Z5_OF_5074	H4	88	0.010	Circular	1.00	-	0.9	1.2	1.6	2.2
Z5_PIPE_765	Z5_IL_2558	Z5_IL_1271	J4	40	0.010	Circular	1.25	-	1.2	1.9	2.8	4.2
Z5_PIPE_766	Z5_IL_2559	Z5_IL_2558	J4	21	0.015	Circular	1.00	-	0.6	0.8	1.1	1.6
Z5_PIPE_767	Z5_IL_2561	Z5_IL_2558	J4	77	0.010	Circular	1.25	-	0.8	1.3	2.0	3.1
Z5_PIPE_768	Z5_IL_2581	Z5_IL_2580	K3	53	0.015	Circular	2.50	-	5.6	7.7	9.8	11.1
Z5_PIPE_769	Z5_IL_2582	Z5_SGIL_4729	K3	65	0.015	Circular	1.00	-	1.1	1.4	1.8	2.4
Z5_PIPE_842	Z5_SGIL_4779	Z5_MH_4169	M2	22	0.015	Circular	1.00	-	0.0	0.0	0.0	0.3
Z5_PIPE_843	Z5_IL_2737	Z5_IL_2738	L1	63	0.015	Circular	1.00	-	1.2	1.5	2.1	2.9
Z5_PIPE_844	Z5_IL_2765	Z5_OF_5018	M2	131	0.015	Circular	0.83	-	2.1	2.7	3.5	4.6
Z5_PIPE_853	Z5_IL_1755	Z5_SGIL_4684	K4	70	0.010	Circular	1.00	-	3.0	4.0	5.4	7.6
Z5_PIPE_854	Z5_SGIL_4684	Z5_OF_5045	K4	85	0.024	Circular	1.25	-	3.0	4.0	5.4	7.6

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Zone 5 West Existing Pipes

Link ID*	From Node	To Node	County Grid #	Length (ft)	Manning's N	Shape	Max Depth (ft)	Bottom Width (ft)	Max Q (cfs)			
									5Yr	10Yr	25Yr	100Yr
Z5_PIPE_855	Z5_IL_2398	Z5_MH_4170	H2	6	0.015	Circular	1.00	-	2.2	2.6	3.1	3.9
Z5_PIPE_856	Z5_IL_3205	Z5_IL_2431	H2	114	0.010	Circular	2.00	-	6.8	8.7	11.2	15.1
Z5_PIPE_857	Z5_IL_2431	Z5_IL_2432	H2	18	0.015	Circular	2.00	-	4.3	5.4	7.0	11.5
Z5_PIPE_858	Z5_IL_2432	Z5_SGIL_4717	H2	17	0.015	Circular	2.00	-	4.3	5.4	7.0	11.5
Z5_PIPE_859	Z5_SGIL_4717	Z5_MH_3859	H2	214	0.010	Circular	2.00	-	5.5	7.0	9.0	14.4
Z5_PIPE_860	Z5_MH_3859	Z5_MH_4293	H2	111	0.010	Circular	2.00	-	5.5	7.0	9.0	14.4
Z5_PIPE_862	Z5_IL_2823	Z5_MH_3929	L3	6	0.015	Circular	2.00	-	14.8	18.8	22.2	23.2
Z5_PIPE_863	Z5_IL_2824	Z5_OF_4440	L3	400	0.015	Circular	2.00	-	21.3	27.7	32.5	32.7
Z5_PIPE_865	Z5_MH_5126	Z5_SGMH_4853	M3	34	0.015	Circular	2.50	-	43.3	52.1	58.4	64.1
Z5_PIPE_866	Z5_IL_3206	Z5_SGMH_4853	M3	19	0.015	Circular	1.00	-	0.0	0.0	0.0	0.0
Z5_PIPE_867	Z5_SGMH_4853	Z5_OF_4439	M3	54	0.015	Circular	2.50	-	43.3	52.1	58.4	64.1
Z5_PIPE_893	Z5_IL_2184	Z5_IL_2185	M4	31	0.015	Circular	1.00	-	0.7	1.0	1.3	1.7
Z5_PIPE_894	Z5_IL_2185	Z5_IL_2186	N3	359	0.015	Circular	1.75	-	0.7	0.9	1.3	1.7
Z5_PIPE_895	Z5_IL_2187	Z5_IL_2186	N3	31	0.015	Circular	1.00	-	1.1	1.5	2.0	2.9
Z5_PIPE_896	Z5_IL_2188	Z5_MH_3829	N3	207	0.015	Circular	1.75	-	2.3	3.0	4.1	5.7
Z5_PIPE_897	Z5_IL_2189	Z5_IL_2188	N3	28	0.015	Circular	1.00	-	0.5	0.7	0.9	1.3
Z5_PIPE_898	Z5_CB_529	Z5_IL_2190	N3	137	0.024	Circular	1.00	-	2.1	2.5	2.9	3.6
Z5_PIPE_899	Z5_IL_2186	Z5_IL_2191	N3	182	0.015	Circular	1.75	-	1.8	2.4	3.3	4.6
Z5_PIPE_900	Z5_IL_2191	Z5_IL_2188	N3	56	0.015	Circular	1.75	-	1.8	2.4	3.3	4.6
Z5_PIPE_901	Z5_MH_3829	Z5_MH_3830	N3	365	0.015	Circular	1.75	-	2.7	3.5	4.8	6.7
Z5_PIPE_902	Z5_MH_3830	Z5_SGMH_4863	N3	46	0.015	Circular	1.75	-	2.7	3.5	4.8	6.7
Z5_PIPE_903	Z5_CB_118	Z5_SGMH_4863	N3	33	0.015	Circular	1.00	-	1.7	2.1	2.7	3.5
Z5_PIPE_904	Z5_SGMH_4863	Z5_OF_4370	N3	39	0.010	Circular	1.25	-	3.8	4.8	6.1	8.2
Z5_PIPE_905	Z5_IL_3119	Z5_IL_3120	J2	6	0.010	Circular	1.00	-	2.8	3.1	3.2	1.6
Z5_PIPE_906	Z5_IL_3207	Z5_IL_5163	H3	33	0.024	Circular	1.25	-	3.1	3.8	4.9	6.3
Z5_PIPE_907	Z5_SGIL_4645	Z5_MH_5164	H3	48	0.010	Circular	1.50	-	10.0	13.2	15.9	19.3
Z5_PIPE_909	Z5_IL_3638	Z5_IL_2771	M1	37	0.015	Circular	1.00	-	1.9	2.5	3.4	4.6
Z5_PIPE_910	Z5_IL_2262	Z5_IL_2263	M1	55	0.015	Circular	1.00	-	1.9	2.5	3.4	4.6
Z5_PIPE_911	Z5_IL_2264	Z5_IL_2265	L2	68	0.015	Circular	1.00	-	0.8	1.0	1.2	1.5
Z5_PIPE_912	Z5_IL_2265	Z5_IL_2266	L2	78	0.015	Circular	1.00	-	0.8	1.0	1.2	1.5
Z5_PIPE_913	Z5_IL_2266	Z5_IL_2267	L2	97	0.015	Circular	1.00	-	0.8	1.0	1.2	1.5
Z5_PIPE_914	Z5_IL_2267	Z5_IL_2268	L2	53	0.015	Circular	1.00	-	0.8	1.0	1.2	1.6
Z5_PIPE_915	Z5_IL_2268	Z5_IL_2269	L2	91	0.015	Circular	1.00	-	1.7	2.2	2.8	3.7
Z5_PIPE_920	Z5_MH_3718	Z5_MH_3719	L3	219	0.015	Circular	1.00	-	0.8	1.1	1.5	2.1
Z5_PIPE_921	Z5_IL_1083	Z5_IL_1087	M3	87	0.015	Circular	1.50	-	4.2	5.5	7.3	10.1
Z5_PIPE_922	Z5_IL_1089	Z5_MH_3721	K3	30	0.010	Circular	1.00	-	0.0	0.0	0.2	4.4
Z5_PIPE_923	Z5_IL_1090	Z5_MH_3722	K3	69	0.010	Circular	1.00	-	0.0	0.0	0.0	1.7
Z5_PIPE_924	Z5_IL_1091	Z5_MH_3722	K3	13	0.010	Circular	1.00	-	0.0	0.0	0.0	3.7
Z5_PIPE_925	Z5_IL_1093	Z5_MH_3725	J3	183	0.010	Circular	3.00	-	33.3	42.5	55.0	78.9
Z5_PIPE_926	Z5_IL_1094	Z5_IL_1093	J3	32	0.010	Circular	1.25	-	3.7	3.9	5.0	18.7
Z5_PIPE_927	Z5_IL_1096	Z5_IL_1095	J3	32	0.010	Circular	1.00	-	1.6	2.0	2.6	5.0
Z5_PIPE_928	Z5_IL_1098	Z5_IL_1097	J3	32	0.010	Circular	1.00	-	1.4	1.9	2.5	3.6
Z5_PIPE_929	Z5_IL_1101	Z5_IL_1100	J3	33	0.010	Circular	1.00	-	2.7	3.5	4.5	6.0
Z5_PIPE_930	Z5_IL_1102	Z5_IL_1101	H4	211	0.010	Circular	1.00	-	1.6	2.0	2.5	3.3
Z5_PIPE_931	Z5_IL_1104	Z5_IL_1103	H3	33	0.010	Circular	1.25	-	0.0	0.0	0.0	0.0
Z5_PIPE_932	Z5_SGMH_4859	Z5_SGMH_4858	L2	507	0.015	Circular	4.50	-	57.9	69.3	82.9	98.0
Z5_PIPE_933	Z5_SGMH_4857	Z5_MH_3807	K3	184	0.015	Circular	2.50	-	11.4	12.8	14.4	16.6
Z5_PIPE_934	Z5_SGIL_4650	Z5_SGMH_4857	K3	171	0.015	Circular	1.00	-	1.7	2.2	2.7	3.5
Z5_PIPE_935	Z5_MH_3806	Z5_SGMH_4857	K3	12	0.015	Circular	2.50	-	9.7	10.7	11.8	13.3
Z5_PIPE_936	Z5_SGMH_4858	Z5_OF_5571	L2	34	0.015	Circular	4.50	-	75.0	89.9	108.2	130.0
Z5_PIPE_937	Z5_IL_1519	Z5_MH_3808	L2	182	0.010	Circular	1.00	-	3.7	5.0	6.7	9.4
Z5_PIPE_938	Z5_MH_3806	Z5_OF_5029	L2	250	0.015	Circular	1.50	-	6.3	6.9	7.5	8.3
Z5_PIPE_941	Z5_IL_1278	Z5_IL_1279	F4	35	0.015	Circular	1.00	-	3.5	4.1	5.0	6.2
Z5_PIPE_942	Z5_MH_3730	Z5_IL_1156	G3	174	0.015	Circular	2.00	-	13.8	15.4	16.1	17.2
Z5_PIPE_943	Z5_IL_1156	Z5_IL_1157	G3	225	0.015	Circular	2.00	-	13.7	15.4	16.1	17.2
Z5_PIPE_944	Z5_IL_1158	Z5_IL_1157	G3	38	0.015	Circular	1.00	-	3.1	3.8	4.8	6.3
Z5_PIPE_945	Z5_IL_1157	Z5_IL_1159	G3	107	0.015	Circular	2.00	-	16.8	19.2	20.9	23.4
Z5_PIPE_946	Z5_IL_1159	Z5_IL_1160	G3	109	0.015	Circular	2.00	-	16.8	19.2	20.9	23.4
Z5_PIPE_947	Z5_IL_1160	Z5_SGMH_4846	G3	12	0.015	Circular	2.00	-	16.8	19.2	20.9	23.4
Z5_PIPE_948	Z5_SGMH_4846	Z5_IL_1161	G3	54	0.015	Circular	2.00	-	16.8	19.2	20.9	23.4
Z5_PIPE_949	Z5_IL_1161	Z5_OF_5066	H3	13	0.015	Circular	2.00	-	18.2	21.1	23.4	26.8
Z5_PIPE_950	Z5_MH_3736	Z5_MH_3733	G3	340	0.015	Circular	1.50	-	11.7	12.3	12.4	12.7
Z5_PIPE_951	Z5_IL_1162	Z5_MH_3736	G3	39	0.015	Circular	1.00	-	1.6	3.4	5.0	5.1
Z5_PIPE_952	Z5_MH_3737	Z5_MH_3736	G3	136	0.015	Circular	1.50	-	12.6	13.8	12.1	13.7
Z5_PIPE_953	Z5_IL_1163	Z5_MH_3737	G3	7	0.015	Circular	1.00	-	2.0	4.8	4.6	4.5
Z5_PIPE_954	Z5_MH_3738	Z5_MH_3737	G3	329	0.015	Circular	1.50	-	9.6	10.9	10.9	11.1
Z5_PIPE_955	Z5_MH_3739	Z5_MH_3738	G3	212	0.015	Circular	1.50	-	8.7	9.8	9.9	10.0
Z5_PIPE_956	Z5_IL_1164	Z5_MH_3738	G3	30	0.015	Circular	1.00	-	0.9	1.1	1.4	1.9
Z5_PIPE_958	Z5_IL_1166	Z5_MH_3739	G3	34	0.015	Circular	1.00	-	2.8	5.6	6.1	6.1
Z5_PIPE_959	Z5_IL_1167	Z5_MH_3739	G3	5	0.015	Circular	1.00	-	6.0	7.0	7.1	8.0

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Zone 5 West Existing Pipes

Link ID*	From Node	To Node	County Grid #	Length (ft)	Manning's N	Shape	Max Depth (ft)	Bottom Width (ft)	Max Q (cfs)			
									5Yr	10Yr	25Yr	100Yr
Z5_PIPE_961	Z5_IL_1173	Z5_MH_3741	L2	30	0.015	Circular	1.00	-	1.0	1.2	1.6	2.0
Z5_PIPE_962	Z5_IL_3558	Z5_IL_1173	L2	28	0.015	Circular	1.00	-	1.0	1.2	1.6	2.0
Z5_PIPE_967	Z5_SGIL_4700	Z5_MH_4021	H4	55	0.015	Circular	1.00	-	0.0	0.0	0.0	0.2
Z5_PIPE_974	Z5_IL_1672	Z5_MH_5129	K3	29	0.024	Circular	1.00	-	0.6	0.8	1.0	1.4
Z5_PIPE_977	Z5_SGIL_4660	Z5_OF_5015	J4	196	0.015	Circular	1.00	-	1.1	1.5	2.0	2.8
Z5_PIPE_978	Z5_MH_3712	Z5_MH_3765	H4	96	0.015	Circular	1.50	-	2.9	3.9	5.4	7.3
Z5_PIPE_981	Z5_MH_3741	Z5_IL_1174	L2	143	0.015	Circular	1.00	-	1.0	1.2	1.6	2.0
Z5_PIPE_982	Z5_IL_1174	Z5_MH_3742	L2	31	0.015	Circular	1.00	-	3.4	4.3	5.4	7.0
Z5_PIPE_984	Z5_MH_3745	Z5_OF_4504	M2	108	0.015	Circular	2.00	-	11.4	14.3	18.1	23.4
Z5_PIPE_984	Z5_MH_3745	Z5_OF_4504	M2	108	0.015	Circular	2.00	-	11.4	14.3	18.1	23.4
Z5_PIPE_985	Z5_IL_990	Z5_OF_5031	K2	181	0.010	Circular	1.25	-	2.1	2.6	3.2	4.2
Z5_PIPE_995	Z5_MH_3775	Z5_MH_3776	M3	199	0.015	Circular	1.00	-	4.6	6.0	6.6	6.9
Z5_PIPE_996	Z5_MH_3776	Z5_MH_3777	M3	174	0.015	Circular	1.50	-	6.0	7.7	9.3	10.4
Z5_PIPE_997	Z5_MH_3860	Z5_MH_3778	M3	117	0.015	Circular	1.50	-	9.9	12.7	15.9	19.1
Z5_PIPE_998	Z5_MH_3779	Z5_SGMH_4852	M3	37	0.015	Circular	1.75	-	11.2	14.4	18.0	22.1
Z5_STREET_001	Z5_IL_2090	Z5_SGMH_4862	J2	48	0.025	Trapezoidal	0.50	30.00	2.6	4.5	5.1	6.1
Z5_STREET_002	Z5_IL_5299	Z5_MH_5300	L2	196	0.025	Trapezoidal	0.50	25.00	0.0	1.7	5.8	9.0

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Zone 5 East Existing Pipes

Link ID*	From Node	To Node	County Grid #	Length (ft)	Manning's N	Shape	Max Depth (ft)	Bottom Width (ft)	Max Q (cfs)			
									5Yr	10Yr	25Yr	100Yr
NEW_Z5_CHANNEL_6302	NEW_Z5_IL_6301	NEW_Z5_IL_6300	H6	91	0.025	Trapezoidal	1.20	0.50	6.1	6.5	6.5	6.2
NEW_Z5_CHANNEL_6500	Z5_OF_5004	NEW_Z5_IL_6500	M4	233	0.030	Trapezoidal	5.00	1.00	182.9	206.1	235.8	263.8
NEW_Z5_CHANNEL_6502	NEW_Z5_IL_6501	NEW_Z5_IL_6502	M4	140	0.030	Trapezoidal	5.00	1.00	182.7	205.9	235.5	263.7
NEW_Z5_CHANNEL_6504	NEW_Z5_IL_6503	Z5_OF_4441	N4	72	0.030	Trapezoidal	8.40	1.00	187.3	211.1	241.3	271.4
NEW_Z5_CHANNEL_6505	Z5_OF_4441	Z5_OF_5005	M4	211	0.030	Trapezoidal	5.00	1.00	189.7	213.9	244.2	275.6
NEW_Z5_CHANNEL_6506	Z5_OF_5005	NEW_Z5_IL_6504	M4	217	0.030	Trapezoidal	5.00	1.00	192.3	217.2	248.1	281.3
NEW_Z5_CHANNEL_6508	NEW_Z5_IL_6505	NEW_Z5_IL_6506	M4	113	0.030	Trapezoidal	17.00	1.00	202.0	228.8	263.4	301.4
NEW_Z5_PIPE_3277_1	NEW_Z5_MH_6020	Z5_MH_4237	G6	78	0.015	Rectangular	3.00	5.00	114.2	131.5	153.9	179.7
NEW_Z5_PIPE_3277_2	NEW_Z5_MH_6021	NEW_Z5_MH_6020	G6	72	0.015	Rectangular	3.00	5.00	113.0	131.0	154.7	180.9
NEW_Z5_PIPE_5570	NEW_Z5_MH_6052	Z5_MH_3872	K5	163	0.015	Rectangular	4.00	8.00	148.1	180.0	213.6	250.3
NEW_Z5_PIPE_6000	NEW_Z5_CB_6000	NEW_Z5_OUT_6000	H7	103	0.015	Circular	1.50	-	2.6	3.1	3.7	4.6
NEW_Z5_PIPE_6001	NEW_Z5_CB_6001	NEW_Z5_CB_6002	G8	49	0.015	Circular	1.00	-	3.7	4.4	5.2	6.4
NEW_Z5_PIPE_6002	NEW_Z5_CB_6002	NEW_Z5_CB_6003	G8	48	0.015	Circular	1.00	-	3.7	4.4	5.2	6.4
NEW_Z5_PIPE_6003	NEW_Z5_CB_6003	NEW_Z5_OUT_6001	G8	142	0.015	Circular	1.00	-	3.7	4.4	5.2	6.4
NEW_Z5_PIPE_6010	NEW_Z5_CB_6004	NEW_Z5_CB_6005	G8	28	0.015	Circular	1.25	-	14.8	16.2	18.1	19.1
NEW_Z5_PIPE_6011	NEW_Z5_CB_6005	NEW_Z5_MH_6006	G8	216	0.015	Circular	1.50	-	14.8	16.1	18.1	18.9
NEW_Z5_PIPE_6012	NEW_Z5_MH_6006	Z5_IL_1351	G8	130	0.015	Circular	1.50	-	14.8	16.1	18.1	18.2
NEW_Z5_PIPE_6020	Z5_MH_4250	NEW_Z5_OUT_6002	H7	174	0.010	Circular	3.50	-	62.5	71.7	78.5	86.1
NEW_Z5_PIPE_6021	Z5_IL_2685	NEW_Z5_CB_6010	G7	114	0.011	Circular	2.00	-	0.7	0.8	1.0	1.2
NEW_Z5_PIPE_6022	NEW_Z5_CB_6010	NEW_Z5_CB_6011	G7	16	0.011	Circular	2.00	-	0.7	0.8	1.0	1.2
NEW_Z5_PIPE_6023	NEW_Z5_CB_6011	NEW_Z5_CB_6012	G7	52	0.011	Circular	2.00	-	0.7	0.8	1.0	1.2
NEW_Z5_PIPE_6024	NEW_Z5_CB_6012	NEW_Z5_CB_6013	G7	24	0.011	Circular	2.00	-	0.7	0.8	1.0	1.2
NEW_Z5_PIPE_6025	NEW_Z5_CB_6013	NEW_Z5_CB_6014	G7	17	0.011	Circular	2.00	-	3.1	3.4	3.8	4.4
NEW_Z5_PIPE_6026	NEW_Z5_CB_6014	NEW_Z5_OUT_6003	H7	3	0.011	Circular	0.67	-	3.1	3.4	3.8	4.4
NEW_Z5_PIPE_6030	Z5_IL_3013	NEW_Z5_MH_6020	G6	42	0.024	Circular	1.00	-	4.7	5.1	5.6	6.1
NEW_Z5_PIPE_6032	Z5_IL_3425	NEW_Z5_MH_6021	G6	500	0.024	Circular	1.00	-	1.2	1.4	1.5	1.7
NEW_Z5_PIPE_6033	Z5_MH_4059	Z5_IL_3013	G6	125	0.015	Circular	1.00	-	3.1	3.2	3.3	3.2
NEW_Z5_PIPE_6034	NEW_Z5_IL_6022	Z5_IL_3636	H6	55	0.015	Circular	1.00	-	1.8	2.1	2.6	7.9
NEW_Z5_PIPE_6040	Z5_CB_852	Z5_MH_4303	J5	50	0.015	Circular	1.25	-	6.1	9.5	11.5	13.6
NEW_Z5_PIPE_6050	NEW_Z5_CB_6050	Z5_MH_3872	K5	93	0.015	Circular	1.00	-	2.3	2.7	3.3	4.1
NEW_Z5_PIPE_6051	NEW_Z5_CB_6051	NEW_Z5_MH_6052	K5	84	0.015	Circular	1.00	-	5.4	5.5	5.9	6.6
NEW_Z5_PIPE_6100	Z5_IL_3020	Z5_MH_5089	G7	500	0.015	Circular	3.50	-	62.5	71.7	78.5	86.1
NEW_Z5_PIPE_6101	Z5_OF_4395	Z5_IL_3020	G7	233	0.015	Circular	2.75	-	48.7	56.6	63.6	70.8
NEW_Z5_PIPE_6102	NEW_Z5_IL_6100	Z5_OF_4395	G7	60	0.015	Circular	2.75	-	47.6	55.0	62.1	78.8
NEW_Z5_PIPE_6103	NEW_Z5_IL_6100	NEW_Z5_IL_6101	G7	104	0.050	Trapezoidal	8.00	2.00	45.9	52.6	61.1	73.9
NEW_Z5_PIPE_6104	NEW_Z5_IL_6101	Z5_MH_3884	H7	135	0.015	Circular	2.50	-	45.9	52.6	61.1	73.9
NEW_Z5_PIPE_6105	Z5_MH_3884	NEW_Z5_MH_6103	H7	76	0.015	Circular	2.50	-	45.3	51.6	59.9	72.2
NEW_Z5_PIPE_6106	NEW_Z5_MH_6103	NEW_Z5_IL_6102	G7	28	0.015	Circular	2.50	-	42.5	47.9	55.0	65.4
NEW_Z5_PIPE_6107	Z5_IL_4903	NEW_Z5_MH_6103	G7	40	0.015	Circular	1.00	-	2.8	3.7	4.9	6.8
NEW_Z5_PIPE_6108	Z5_OF_4396	NEW_Z5_IL_6102	H7	432	0.050	Trapezoidal	26.00	15.00	35.9	39.9	45.4	53.4
NEW_Z5_PIPE_6109	Z5_OF_4397	NEW_Z5_IL_6103	G6	106	0.050	Trapezoidal	16.00	15.00	35.2	57.3	89.6	129.1
NEW_Z5_PIPE_6110	NEW_Z5_IL_6104	Z5_OF_4396	G6	497	0.050	Trapezoidal	18.00	15.00	30.5	33.6	38.0	44.3
NEW_Z5_PIPE_6111	NEW_Z5_IL_6103	NEW_Z5_IL_6104	G6	18	0.015	Circular	1.50	-	30.5	33.8	38.2	44.6
NEW_Z5_PIPE_6113	Z5_OF_4398	NEW_Z5_IL_6112	G7	414	0.050	Trapezoidal	18.00	15.00	15.9	19.9	25.5	33.9
NEW_Z5_PIPE_6114	Z5_OF_4399	Z5_OF_4398	F7	475	0.050	Trapezoidal	6.00	4.00	5.9	7.8	10.4	14.4
NEW_Z5_PIPE_6115	Z5_OF_4393	Z5_OF_4399	F7	133	0.500	Trapezoidal	6.00	4.00	3.5	4.6	6.2	8.6
NEW_Z5_PIPE_6116	NEW_Z5_IL_6112	Z5_OF_4397	F7	212	0.050	Trapezoidal	24.00	15.00	25.3	31.1	38.8	50.6
NEW_Z5_PIPE_6200	NEW_Z5_IL_6205	NEW_Z5_IL_6204	F5	151	0.015	Circular	2.00	-	33.2	36.1	39.4	44.4
NEW_Z5_PIPE_6201	NEW_Z5_IL_6204	NEW_Z5_IL_6203	F5	95	0.015	Circular	2.00	-	32.9	34.3	36.8	40.6
NEW_Z5_PIPE_6202	NEW_Z5_IL_6203	NEW_Z5_IL_6202	F5	195	0.015	Circular	2.00	-	32.9	34.3	36.3	39.4
NEW_Z5_PIPE_6203	NEW_Z5_IL_6202	NEW_Z5_IL_6201	F5	158	0.015	Circular	2.00	-	32.9	34.3	36.3	39.4
NEW_Z5_PIPE_6204	NEW_Z5_IL_6201	NEW_Z5_IL_6200	F5	359	0.015	Circular	2.50	-	32.9	34.3	36.2	39.4
NEW_Z5_PIPE_6205	NEW_Z5_IL_6200	Z5_IL_5362	F5	307	0.015	Circular	2.50	-	41.9	44.6	47.3	52.1
NEW_Z5_PIPE_6300	Z5_IL_2590	NEW_Z5_IL_6300	H6	80	0.015	Circular	1.00	-	3.8	3.7	3.6	4.4
NEW_Z5_PIPE_6303	NEW_Z5_IL_6302	NEW_Z5_IL_6301	H6	45	0.015	Circular	1.00	-	3.1	3.4	3.5	3.7
NEW_Z5_PIPE_6304	NEW_Z5_IL_6302	NEW_Z5_IL_6301	H6	45	0.015	Circular	1.00	-	3.1	3.4	3.5	3.7
NEW_Z5_PIPE_6305	NEW_Z5_IL_6303	NEW_Z5_IL_6302	H6	111	0.015	Circular	1.00	-	3.1	3.4	3.6	4.3
NEW_Z5_PIPE_6306	NEW_Z5_IL_6303	NEW_Z5_IL_6302	H6	111	0.015	Circular	1.00	-	3.1	3.4	3.6	4.3
NEW_Z5_PIPE_6400	NEW_Z5_MH_6400	NEW_Z5_OF_6402	H5	42	0.015	Circular	5.00	-	46.3	56.1	69.2	88.8
NEW_Z5_PIPE_6401	NEW_Z5_MH_6401	NEW_Z5_MH_6400	H5	92	0.015	Circular	5.00	-	46.3	56.1	69.1	88.8
NEW_Z5_PIPE_6402	Z5_MH_4283	Z5_IL_3547	H5	99	0.015	Circular	1.50	-	8.8	10.4	12.5	15.5
NEW_Z5_PIPE_6403	NEW_Z5_IL_6402	Z5_IL_3546	H5	396	0.015	Circular	1.50	-	0.0	0.0	0.0	0.0
NEW_Z5_PIPE_6404	NEW_Z5_IL_6403	NEW_Z5_IL_6402	H5	36	0.015	Circular	1.50	-	0.0	0.0	0.0	0.0
NEW_Z5_PIPE_6405	NEW_Z5_IL_6404	NEW_Z5_IL_6402	H5	46	0.015	Circular	1.50	-	0.0	0.0	0.0	0.0
NEW_Z5_PIPE_6406	NEW_Z5_MH_6406	NEW_Z5_MH_6405	H5	33	0.015	Circular	5.00	-	46.3	56.1	69.1	88.8
NEW_Z5_PIPE_6407	Z5_IL_3161	NEW_Z5_IL_6402	H5	554	0.015	Circular	1.50	-	0.0	0.0	0.0	0.0
NEW_Z5_PIPE_6408	NEW_Z5_IL_6407	Z5_IL_3160	H5	55	0.015	Circular	1.50	-	0.0	0.0	0.0	0.0
NEW_Z5_PIPE_6409	NEW_Z5_MH_6408	NEW_Z5_MH_6406	H5	359	0.015	Circular	5.00	-	46.3	56.1	69.1	88.8
NEW_Z5_PIPE_6410	NEW_Z5_IL_6411	NEW_Z5_MH_6410	H5	46	0.015	Circular	1.50	-	0.0	0.0	0.0	0.0
NEW_Z5_PIPE_6411	NEW_Z5_MH_6410	NEW_Z5_MH_6408	H5	59	0.015	Circular	1.50	-	0.0	0.0	0.0	0.0

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Zone 5 East Existing Pipes

Link ID*	From Node	To Node	County Grid #	Length (ft)	Manning's N	Shape	Max Depth (ft)	Bottom Width (ft)	Max Q (cfs)			
									5Yr	10Yr	25Yr	100Yr
NEW_Z5_PIPE_6412	NEW_Z5_IL_6409	NEW_Z5_MH_6408	H5	51	0.015	Circular	4.00	-	4.1	4.8	5.8	7.2
NEW_Z5_PIPE_6413	NEW_Z5_IL_6412	NEW_Z5_IL_6409	H5	261	0.015	Circular	2.00	-	4.1	4.8	5.8	7.2
NEW_Z5_PIPE_6414	NEW_Z5_IL_6413	NEW_Z5_IL_6412	H5	54	0.015	Circular	1.50	-	4.1	4.8	5.8	7.2
NEW_Z5_PIPE_6415	NEW_Z5_MH_6415	NEW_Z5_MH_6408	H5	153	0.015	Circular	4.00	-	32.7	40.1	50.0	64.9
NEW_Z5_PIPE_6416	NEW_Z5_IL_6414	NEW_Z5_MH_6415	H5	177	0.015	Circular	1.50	-	0.0	0.0	0.0	0.0
NEW_Z5_PIPE_6417	Z5_CB_212	NEW_Z5_MH_6415	H5	46	0.015	Circular	4.00	-	32.7	40.1	50.0	64.9
NEW_Z5_PIPE_6418	Z5_IL_3213	NEW_Z5_IL_6412	H5	98	0.015	Circular	1.50	-	0.0	0.0	0.0	0.0
NEW_Z5_PIPE_6419	NEW_Z5_IL_6415	NEW_Z5_IL_6413	H5	159	0.015	Circular	1.50	-	4.1	4.8	5.8	7.2
NEW_Z5_PIPE_6420	Z5_IL_3242	NEW_Z5_IL_6415	H5	54	0.015	Circular	1.50	-	4.1	4.8	5.8	7.2
NEW_Z5_PIPE_6421	NEW_Z5_IL_6416	NEW_Z5_IL_6415	H5	164	0.015	Circular	1.50	-	0.0	0.0	0.0	0.0
NEW_Z5_PIPE_6422	NEW_Z5_IL_6417	NEW_Z5_IL_6415	H5	492	0.015	Circular	1.50	-	0.0	0.0	0.0	0.0
NEW_Z5_PIPE_6423	NEW_Z5_IL_6418	NEW_Z5_IL_6412	H5	176	0.015	Circular	1.50	-	0.1	0.1	0.1	0.1
NEW_Z5_PIPE_649	NEW_Z5_MH_6040	Z5_OF_4429	G6	36	0.015	Circular	2.00	-	58.1	64.4	72.0	82.4
NEW_Z5_PIPE_6500	Z5_MH_3948	Z5_MH_4039	H7	40	0.015	Circular	4.00	-	1.1	1.1	1.1	3.1
NEW_Z5_PIPE_6501	NEW_Z5_IL_6500	NEW_Z5_IL_6501	M4	25	0.020	Circular	6.00	-	182.8	205.9	235.5	263.7
NEW_Z5_PIPE_6502	Z5_MH_3948	Z5_MH_4039	H7	40	0.015	Circular	4.00	-	1.1	1.1	1.1	3.1
NEW_Z5_PIPE_6503	NEW_Z5_IL_6502	NEW_Z5_IL_6503	M4	58	0.020	Circular	6.00	-	187.3	211.1	241.3	271.4
NEW_Z5_PIPE_6507	NEW_Z5_IL_6504	NEW_Z5_IL_6505	M4	330	0.020	Circular	6.00	-	197.0	222.7	255.1	290.2
NEW_Z5_PIPE_6509	NEW_Z5_IL_6506	NEW_Z5_OF_6510	M4	50	0.020	Circular	6.00	-	202.0	228.8	263.3	301.4
NEW_Z5_PIPE_6510	NEW_Z5_IL_6507	Z5_IL_2897	N4	64	0.015	Circular	1.25	-	4.6	6.2	8.3	8.4
NEW_Z5_PIPE_6511	NEW_Z5_IL_6508	NEW_Z5_IL_6507	N4	26	0.015	Circular	1.00	-	0.0	0.4	6.3	4.9
NEW_Z5_PIPE_6600	Z5_IL_2557	NEW_Z5_MH_6600	G7	188	0.015	Circular	1.25	-	2.4	2.8	3.3	4.1
NEW_Z5_PIPE_6601	ORCHARGE_STORAGE	NEW_Z5_MH_6600	G7	10	0.010	Triangular	0.33	2.00	1.4	0.7	0.7	0.9
NEW_Z5_PIPE_6602	NEW_Z5_MH_6600	NEW_Z5_MH_6601	G7	52	0.015	Circular	0.50	-	1.7	1.7	1.7	1.7
NEW_Z5_PIPE_6603	NEW_Z5_MH_6601	NEW_Z5_CB_6013	G7	41	0.015	Circular	0.50	-	1.6	1.7	1.7	1.7
NEW_Z5_PIPE_7000	NEW_Z5_OUT_6000	Z5_CB_738	H7	476	0.025	Trapezoidal	2.00	1.00	2.6	3.0	3.7	4.6
Z5_CHANNEL_122	Z5_OF_4431	Z5_IL_3422	E6	406	0.025	Trapezoidal	5.00	2.00	11.1	14.7	17.0	19.9
Z5_CHANNEL_123	Z5_OF_4538	Z5_IL_4885	E6	78	0.015	Trapezoidal	2.00	4.00	7.0	9.6	13.0	18.7
Z5_CHANNEL_129	Z5_OF_4428	Z5_IL_4887	G5	34	0.025	Trapezoidal	5.00	2.00	5.5	7.4	9.9	14.1
Z5_CHANNEL_133	Z5_MH_5189	Z5_IL_3701	F8	27	0.025	Trapezoidal	5.00	2.00	2.3	15.5	26.3	31.3
Z5_CHANNEL_136	Z5_OF_4592	Z5_OF_4382	H5	281	0.015	Trapezoidal	5.00	2.00	13.1	15.7	19.2	24.5
Z5_CHANNEL_313	Z5_OF_4493	Z5_IL_3215	E6	128	0.025	Trapezoidal	5.00	3.00	1.8	2.7	3.9	5.6
Z5_CHANNEL_379	Z5_OF_4991	Z5_IL_3157	G8	90	0.025	Trapezoidal	5.00	2.00	5.3	8.4	12.2	12.0
Z5_CHANNEL_380	Z5_OF_4414	Z5_IL_3157	G8	19	0.025	Trapezoidal	5.00	2.00	21.4	28.0	28.0	27.4
Z5_CHANNEL_396	Z5_IL_2501	Z5_IL_5272	L4	366	0.025	Trapezoidal	5.00	2.00	5.0	6.9	9.4	13.3
Z5_CHANNEL_398	Z5_OF_4443	STOR-1	L4	1	0.025	Trapezoidal	5.00	5.00	30.2	912.5	767.4	43.6
Z5_CHANNEL_546	Z5_IL_5272	Z5_IL_4956	M4	21	0.025	Trapezoidal	6.00	34.00	128.5	133.7	141.6	151.2
Z5_CHANNEL_547	Z5_OF_5080	Z5_IL_4957	L4	30	0.025	Trapezoidal	6.00	34.00	722.9	748.9	791.1	831.1
Z5_CHANNEL_65	Z5_OF_5078	Z5_IL_4953	L4	450	0.020	Trapezoidal	5.00	5.00	138.4	138.4	126.3	122.5
Z5_CHANNEL_66	Z5_OF_4437	Z5_IL_4952	L4	45	0.020	Trapezoidal	5.00	4.00	124.1	123.5	118.6	118.0
Z5_CHANNEL_67	Z5_OF_5073	Z5_IL_5272	M4	392	0.025	Trapezoidal	6.00	34.00	121.2	124.8	130.2	135.7
Z5_CHANNEL_69	Z5_OF_5079	Z5_OF_5080	M4	286	0.025	Trapezoidal	6.00	34.00	137.3	142.7	150.9	160.6
Z5_CHANNEL_793	Z5_OF_4996	Z5_IL_2651	E5	116	0.025	Trapezoidal	5.00	2.00	0.8	1.2	1.7	2.5
Z5_CHANNEL_795	Z5_OF_4384	Z5_IL_4889	G6	385	0.025	Trapezoidal	5.00	2.00	20.5	27.5	37.1	51.9
Z5_CHANNEL_796	Z5_OF_4975	Z5_IL_5379	E5	1113	0.025	Trapezoidal	5.00	2.00	1.7	2.6	3.8	5.5
Z5_CHANNEL_797	Z5_OF_4976	Z5_IL_5379	E5	589	0.025	Trapezoidal	5.00	2.00	0.8	1.2	1.8	2.7
Z5_CHANNEL_798	Z5_IL_5379	NEW_Z5_IL_6205	F5	1240	0.025	Trapezoidal	5.00	2.00	25.8	31.2	38.4	49.3
Z5_PIPE_1029	Z5_MH_3804	Z5_IL_1501	J6	45	0.015	Circular	2.00	-	10.6	14.8	20.5	26.4
Z5_PIPE_1037	Z5_IL_1207	Z5_IL_1206	F6	207	0.015	Circular	2.50	-	24.6	28.8	32.7	38.4
Z5_PIPE_1038	Z5_IL_1208	Z5_IL_1207	F6	163	0.015	Circular	2.50	-	24.6	28.8	32.7	38.4
Z5_PIPE_1039	Z5_IL_1206	Z5_OF_4977	F6	24	0.015	Circular	2.50	-	107.1	107.1	107.1	107.1
Z5_PIPE_1040	Z5_IL_997	Z5_IL_1208	F6	40	0.015	Circular	2.50	-	23.2	27.2	30.5	35.1
Z5_PIPE_1041	Z5_IL_1210	Z5_IL_1208	F6	35	0.015	Circular	1.00	-	1.4	2.1	3.0	4.3
Z5_PIPE_1042	Z5_IL_3700	Z5_IL_997	F6	348	0.015	Circular	2.00	-	14.3	16.5	17.8	20.3
Z5_PIPE_1043	Z5_SGIL_4628	Z5_IL_1209	F6	80	0.015	Circular	2.00	-	13.2	18.2	22.7	24.8
Z5_PIPE_1045	Z5_IL_1211	Z5_IL_1209	F6	114	0.015	Circular	1.00	-	1.7	1.6	2.1	3.0
Z5_PIPE_1046	Z5_SGIL_4629	Z5_IL_1211	F6	10	0.015	Circular	1.00	-	0.5	0.7	3.4	2.9
Z5_PIPE_1047	Z5_IL_2542	Z5_SGIL_4628	F6	58	0.015	Circular	2.00	-	13.2	18.2	25.4	29.9
Z5_PIPE_1063	Z5_IL_2131	Z5_IL_2132	G8	16	0.010	Circular	1.00	-	0.1	0.2	0.2	0.3
Z5_PIPE_1064	Z5_IL_2132	Z5_OF_4497	G8	114	0.010	Circular	1.00	-	0.1	0.2	0.2	0.3
Z5_PIPE_1067	Z5_IL_2148	Z5_IL_2147	H8	25	0.015	Circular	1.00	-	1.1	1.4	1.8	2.4
Z5_PIPE_1068	Z5_IL_2149	Z5_IL_2148	H8	42	0.010	Circular	1.00	-	1.1	1.4	1.8	2.4
Z5_PIPE_1070	Z5_MH_3825	Z5_OF_4496	H8	156	0.010	Circular	1.00	-	1.1	1.4	1.8	2.4
Z5_PIPE_1088	Z5_IL_1663	Z5_IL_1664	E6	114	0.015	Circular	2.00	-	0.5	0.7	1.0	1.5
Z5_PIPE_1089	Z5_IL_1664	Z5_IL_2151	E6	224	0.015	Circular	2.00	-	0.5	0.7	1.0	1.5
Z5_PIPE_1090	Z5_IL_2152	Z5_IL_2151	E6	34	0.015	Circular	1.25	-	0.8	1.2	1.7	2.4
Z5_PIPE_1092	Z5_IL_2151	Z5_MH_3826	E6	19	0.015	Circular	2.50	-	1.8	2.7	3.9	5.6
Z5_PIPE_1093	Z5_MH_3826	Z5_OF_4493	E6	40	0.010	Circular	2.50	-	1.8	2.7	3.9	5.6
Z5_PIPE_1097	Z5_IL_2164	Z5_IL_3187	F8	33	0.015	Circular	1.00	-	1.1	1.4	1.8	2.4
Z5_PIPE_110	Z5_IL_4883	Z5_OF_4973	H5	104	0.015	Circular	2.25	-	47.5	47.5	47.5	47.5



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## Zone 5 East Existing Pipes

Link ID*	From Node	To Node	County Grid #	Length (ft)	Manning's N	Shape	Max Depth (ft)	Bottom Width (ft)	Max Q (cfs)			
									5Yr	10Yr	25Yr	100Yr
Z5_PIPE_1195	Z5_IL_1169	Z5_IL_2182	H5	189	0.015	Circular	2.00	-	7.1	8.4	10.1	12.5
Z5_PIPE_1198	Z5_IL_2182	Z5_MH_3740	H5	56	0.015	Circular	2.00	-	14.6	14.6	22.1	23.4
Z5_PIPE_1199	Z5_MH_3740	Z5_IL_2183	G6	66	0.015	Circular	2.25	-	21.2	21.2	28.0	25.8
Z5_PIPE_12	Z5_IL_3147	Z5_IL_3055	G5	153	0.015	Circular	1.25	-	2.3	1.8	1.3	1.8
Z5_PIPE_1203	Z5_IL_996	Z5_OF_4978	G6	164	0.015	Circular	1.25	-	7.9	11.0	12.4	12.6
Z5_PIPE_1204	Z5_IL_2533	Z5_MH_3876	G6	47	0.015	Circular	1.00	-	0.8	1.0	1.2	1.6
Z5_PIPE_1205	Z5_IL_2534	Z5_MH_3876	G6	14	0.015	Circular	1.50	-	4.1	4.1	4.1	4.1
Z5_PIPE_1206	Z5_MH_3876	Z5_OF_4390	G6	93	0.015	Circular	3.00	-	58.1	76.9	99.9	114.1
Z5_PIPE_1207	Z5_MH_3878	Z5_MH_3877	G6	34	0.015	Circular	3.00	-	47.2	62.8	81.6	108.9
Z5_PIPE_1208	Z5_IL_2538	Z5_IL_2540	F6	246	0.010	Circular	1.50	-	7.3	10.1	14.0	20.0
Z5_PIPE_1209	Z5_IL_2540	Z5_IL_2541	F6	69	0.015	Circular	2.00	-	13.2	18.4	25.4	29.9
Z5_PIPE_1210	Z5_IL_5359	Z5_IL_2540	F6	18	0.015	Circular	1.00	-	6.0	8.4	11.6	13.0
Z5_PIPE_1211	Z5_IL_2541	Z5_IL_2542	F6	131	0.015	Circular	2.00	-	13.2	18.4	25.4	29.9
Z5_PIPE_1214	Z5_MH_4094	Z5_MH_4091	F5	250	0.015	Circular	1.75	-	6.8	10.2	14.8	21.1
Z5_PIPE_1215	Z5_IL_3074	Z5_MH_4084	F5	51	0.015	Circular	1.25	-	1.1	1.6	2.4	3.6
Z5_PIPE_1216	Z5_MH_4084	Z5_MH_4094	F5	227	0.015	Circular	1.25	-	4.6	6.9	10.1	11.6
Z5_PIPE_1217	Z5_IL_2300	Z5_IL_2301	H5	42	0.015	Circular	1.25	-	3.8	4.4	5.3	5.3
Z5_PIPE_1225	Z5_IL_2476	Z5_IL_2535	G6	208	0.015	Circular	2.00	-	9.2	12.2	16.4	21.9
Z5_PIPE_1226	Z5_IL_2474	Z5_IL_2476	G6	61	0.015	Circular	2.00	-	9.2	12.2	16.4	24.0
Z5_PIPE_1244	Z5_MH_3947	Z5_MH_4176	E6	83	0.015	Circular	1.50	-	4.1	6.1	8.8	12.7
Z5_PIPE_1245	Z5_MH_4176	Z5_OF_5565	E6	62	0.015	Rectangular	4.00	2.50	25.7	32.5	40.8	50.8
Z5_PIPE_1246	Z5_MH_4088	Z5_OF_4492	E6	135	0.015	Circular	3.00	-	40.0	59.3	89.7	92.2
Z5_PIPE_1247	Z5_MH_4360	Z5_MH_4176	E6	187	0.015	Circular	2.00	-	20.2	24.9	29.7	32.6
Z5_PIPE_1248	Z5_IL_3087	Z5_MH_4088	E6	39	0.015	Circular	1.25	-	0.2	0.4	2.7	2.4
Z5_PIPE_1249	Z5_IL_3089	Z5_IL_3088	F5	34	0.015	Circular	1.00	-	1.2	1.7	6.1	9.3
Z5_PIPE_1250	Z5_IL_3088	Z5_MH_4089	E6	110	0.015	Circular	1.00	-	1.2	1.7	6.1	7.3
Z5_PIPE_1251	Z5_MH_4089	Z5_MH_4088	E6	216	0.015	Circular	2.75	-	39.9	59.2	88.9	91.6
Z5_PIPE_1252	Z5_IL_3091	Z5_IL_3090	F5	35	0.015	Circular	1.00	-	0.9	1.3	4.8	5.4
Z5_PIPE_1253	Z5_IL_3090	Z5_MH_4090	F5	103	0.015	Circular	1.00	-	0.9	1.3	4.9	8.4
Z5_PIPE_1254	Z5_MH_4090	Z5_MH_4089	F6	281	0.015	Circular	2.75	-	38.3	56.8	88.7	94.4
Z5_PIPE_1255	Z5_MH_4168	Z5_OF_4430	F6	41	0.015	Circular	2.00	-	4.3	6.5	9.4	13.7
Z5_PIPE_1256	Z5_MH_4096	Z5_MH_4095	F6	329	0.015	Circular	1.00	-	2.9	3.4	3.0	3.4
Z5_PIPE_1257	Z5_IL_3094	Z5_IL_3095	E5	36	0.015	Circular	1.00	-	2.9	4.0	5.5	6.9
Z5_PIPE_1258	Z5_IL_2678	Z5_IL_2679	E5	40	0.015	Circular	1.50	-	10.8	13.8	15.7	17.9
Z5_PIPE_1259	Z5_IL_2679	Z5_IL_3096	E5	215	0.015	Circular	1.50	-	10.6	13.8	15.7	17.9
Z5_PIPE_1260	Z5_IL_3096	Z5_IL_3097	E6	62	0.015	Circular	1.75	-	10.6	13.8	15.7	17.9
Z5_PIPE_1261	Z5_MH_4065	Z5_MH_4064	F8	134	0.015	Circular	1.25	-	2.1	2.7	3.5	4.6
Z5_PIPE_1262	Z5_MH_4064	Z5_MH_4063	F8	63	0.015	Circular	1.25	-	2.1	2.7	3.5	4.6
Z5_PIPE_1263	Z5_MH_4063	Z5_OF_4415	F8	59	0.015	Circular	1.25	-	2.1	2.7	3.5	4.6
Z5_PIPE_1264	Z5_IL_5086	Z5_MH_4063	F8	17	0.015	Circular	1.00	-	0.0	0.0	0.0	0.0
Z5_PIPE_1272	Z5_CB_230	Z5_CB_231	H5	274	0.015	Circular	1.50	-	5.8	6.9	8.4	10.7
Z5_PIPE_1273	Z5_MH_4325	Z5_CB_231	H5	48	0.015	Circular	1.00	-	2.7	3.2	4.0	5.0
Z5_PIPE_1274	Z5_CB_231	Z5_MH_4027	H5	196	0.015	Circular	2.00	-	11.3	13.6	16.7	21.2
Z5_PIPE_1275	Z5_MH_4027	Z5_OF_4592	H5	70	0.015	Circular	2.00	-	13.1	15.7	19.3	24.5
Z5_PIPE_1276	Z5_CB_233	Z5_MH_4027	H5	90	0.015	Circular	1.00	-	1.8	2.2	2.7	3.4
Z5_PIPE_1277	Z5_SGIL_4736	Z5_OF_4976	E5	233	0.010	Circular	1.00	-	0.5	0.8	1.1	1.6
Z5_PIPE_1278	Z5_CB_34	Z5_OF_4976	E5	38	0.010	Circular	1.00	-	0.3	0.5	0.7	1.1
Z5_PIPE_1288	Z5_IL_3072	Z5_MH_4085	E5	53	0.015	Circular	1.00	-	0.4	0.6	0.9	1.3
Z5_PIPE_1289	Z5_IL_3073	Z5_MH_4085	E5	33	0.015	Circular	1.25	-	0.6	0.8	1.2	1.7
Z5_PIPE_1290	Z5_IL_2668	Z5_MH_4085	E5	143	0.015	Circular	2.50	-	24.2	35.6	51.2	74.8
Z5_PIPE_1291	Z5_MH_4085	Z5_MH_4091	F5	479	0.015	Circular	2.50	-	25.1	37.0	53.3	77.8
Z5_PIPE_1292	Z5_IL_3083	Z5_MH_4091	F5	28	0.015	Circular	1.00	-	1.2	1.8	2.6	4.7
Z5_PIPE_1293	Z5_IL_3081	Z5_MH_4094	F5	13	0.015	Circular	1.00	-	2.2	3.3	4.7	10.9
Z5_PIPE_1328	Z5_CB_229	Z5_CB_230	G5	96	0.015	Circular	1.50	-	5.8	6.9	8.5	10.7
Z5_PIPE_1330	Z5_MH_4086	Z5_MH_4084	F5	245	0.015	Circular	1.25	-	3.0	4.5	6.5	8.0
Z5_PIPE_1331	Z5_IL_3082	Z5_MH_4093	F5	48	0.015	Circular	1.00	-	2.8	4.1	5.9	8.8
Z5_PIPE_1332	Z5_IL_3085	Z5_IL_3084	F5	60	0.015	Circular	1.00	-	1.0	1.5	2.1	3.9
Z5_PIPE_1333	Z5_IL_3084	Z5_MH_4093	F5	237	0.015	Circular	1.50	-	2.0	2.9	4.2	6.7
Z5_PIPE_1334	Z5_IL_3098	Z5_MH_4108	E6	45	0.015	Circular	1.00	-	0.6	0.9	1.2	1.8
Z5_PIPE_1335	Z5_MH_4108	Z5_IL_3084	E6	262	0.015	Circular	1.00	-	0.6	0.9	1.2	1.8
Z5_PIPE_1336	Z5_MH_3824	Z5_IL_2987	F5	109	0.015	Circular	1.50	-	3.0	4.5	6.5	9.5
Z5_PIPE_1337	Z5_IL_2987	Z5_MH_3947	F5	412	0.015	Circular	1.50	-	3.0	4.5	6.5	9.5
Z5_PIPE_1338	Z5_IL_3215	Z5_MH_4176	E6	14	0.015	Rectangular	4.00	2.50	2.1	3.2	4.6	6.7
Z5_PIPE_1403	Z5_CB_692	Z5_CB_693	M4	170	0.010	Circular	1.00	-	7.4	8.3	9.6	11.4
Z5_PIPE_1404	Z5_CB_693	Z5_OF_4546	M4	40	0.015	Circular	1.00	-	7.4	8.3	9.6	11.4
Z5_PIPE_1407	NEW_Z5_IL_6300	Z5_MH_4249	H6	172	0.015	Circular	1.25	-	7.1	7.2	7.5	8.1
Z5_PIPE_1409	Z5_MH_4249	Z5_MH_5095	H6	87	0.015	Circular	1.50	-	7.1	7.2	7.5	7.9
Z5_PIPE_1410	Z5_IL_3026	Z5_OF_4979	J7	77	0.015	Circular	2.00	-	12.7	15.2	18.5	23.3
Z5_PIPE_1411	Z5_IL_3480	Z5_IL_3482	H6	58	0.015	Circular	1.00	-	3.7	5.0	6.7	8.3
Z5_PIPE_1412	Z5_IL_2557	Z5_MH_3880	G7	38	0.015	Circular	1.25	-	2.4	2.8	3.3	4.1

\*The term "NEW" in a Link ID does not reflect the age or condition of the actual link. It is modeling nomenclature only.

Zone 5 East Existing Pipes

Link ID*	From Node	To Node	County Grid #	Length (ft)	Manning's N	Shape	Max Depth (ft)	Bottom Width (ft)	Max Q (cfs)			
									5Yr	10Yr	25Yr	100Yr
Z5_PIPE_1414	Z5_MH_5089	Z5_MH_4250	G7	96	0.010	Circular	3.50	-	62.5	71.7	78.5	86.1
Z5_PIPE_1415	Z5_IL_2684	Z5_IL_2685	G7	25	0.015	Circular	2.00	-	0.7	0.8	1.0	1.2
Z5_PIPE_1460	Z5_IL_3437	Z5_MH_4243	H5	37	0.015	Circular	1.00	-	1.1	1.3	1.6	2.1
Z5_PIPE_1461	Z5_MH_3774	Z5_MH_4244	H5	290	0.015	Circular	1.50	-	6.4	7.9	8.4	8.1
Z5_PIPE_1462	Z5_MH_4244	Z5_MH_4243	H5	262	0.015	Circular	1.50	-	7.0	8.8	9.7	9.9
Z5_PIPE_1463	Z5_IL_1415	Z5_IL_3438	H5	19	0.015	Circular	1.00	-	1.3	1.3	7.3	7.3
Z5_PIPE_148	Z5_SGIL_4781	Z5_MH_4267	L5	19	0.010	Circular	1.25	-	4.6	2.9	2.5	3.2
Z5_PIPE_1487	Z5_MH_4093	Z5_MH_4092	F5	106	0.015	Circular	1.50	-	4.6	6.8	9.8	13.6
Z5_PIPE_1488	Z5_MH_4092	Z5_MH_5105	F5	24	0.015	Circular	1.50	-	4.6	6.8	9.9	16.7
Z5_PIPE_1489	Z5_IL_3420	Z5_IL_3421	E6	37	0.015	Circular	1.50	-	10.9	11.4	12.1	12.5
Z5_PIPE_1490	Z5_IL_3421	Z5_MH_4087	E6	127	0.015	Circular	1.50	-	10.9	11.4	12.1	12.4
Z5_PIPE_1491	Z5_MH_4109	Z5_MH_4087	E6	104	0.015	Circular	1.75	-	8.6	12.0	15.8	18.3
Z5_PIPE_1492	Z5_MH_4087	Z5_MH_4360	E6	247	0.015	Circular	2.00	-	20.0	24.6	29.3	32.0
Z5_PIPE_1493	Z5_MH_4110	Z5_MH_4109	E6	209	0.015	Circular	1.75	-	8.6	12.0	15.8	18.3
Z5_PIPE_1494	Z5_IL_4111	Z5_IL_3099	E6	27	0.015	Circular	2.25	-	8.6	12.0	16.3	23.9
Z5_PIPE_1495	Z5_IL_3099	Z5_MH_4110	F6	101	0.015	Circular	2.25	-	8.6	12.0	16.2	23.9
Z5_PIPE_1496	Z5_IL_3097	Z5_OF_4431	E6	20	0.015	Circular	1.75	-	11.2	14.7	17.0	19.9
Z5_PIPE_1497	Z5_IL_3422	Z5_IL_3420	E6	126	0.015	Circular	1.25	-	10.6	10.7	11.3	11.8
Z5_PIPE_1498	Z5_SGIL_4740	Z5_MH_4361	E5	38	0.015	Circular	1.50	-	0.5	0.8	1.1	1.6
Z5_PIPE_1499	Z5_IL_2677	Z5_MH_5106	E5	26	0.015	Circular	1.50	-	0.7	1.0	1.5	2.2
Z5_PIPE_1500	Z5_IL_3101	Z5_IL_3100	E6	52	0.015	Modbasket Handle	1.50	3.50	5.7	7.7	10.4	14.5
Z5_PIPE_1501	Z5_IL_3100	Z5_OF_4538	E6	96	0.015	Circular	2.00	-	7.0	9.6	13.1	18.6
Z5_PIPE_1502	Z5_IL_4884	Z5_IL_3101	E6	114	0.015	Circular	2.00	-	5.2	7.0	9.3	13.0
Z5_PIPE_1503	Z5_MH_4112	Z5_IL_3100	E6	15	0.015	Circular	1.25	-	1.3	1.9	2.8	4.1
Z5_PIPE_1505	Z5_MH_4235	Z5_IL_3706	E5	192	0.015	Circular	1.25	-	7.6	9.5	10.1	10.4
Z5_PIPE_1506	Z5_IL_3095	Z5_MH_4235	E5	28	0.015	Circular	1.00	-	2.9	4.0	6.8	6.9
Z5_PIPE_1507	Z5_IL_3093	Z5_MH_4236	E5	12	0.015	Circular	1.00	-	0.0	1.0	1.2	1.9
Z5_PIPE_1508	Z5_MH_4236	Z5_MH_4235	E5	107	0.015	Circular	1.00	-	4.7	6.5	6.9	6.7
Z5_PIPE_1510	Z5_IL_3690	Z5_IL_3689	G5	240	0.015	Circular	1.50	-	1.4	1.9	2.6	3.7
Z5_PIPE_1514	Z5_IL_3056	Z5_IL_3055	G5	33	0.015	Circular	1.00	-	2.8	2.1	2.4	2.8
Z5_PIPE_157	Z5_MH_4037	Z5_SGMH_4866	G7	156	0.015	Circular	1.50	-	8.3	10.6	13.6	18.2
Z5_PIPE_158	Z5_IL_3023	Z5_MH_4037	G7	9	0.015	Circular	1.00	-	0.8	1.0	1.2	2.0
Z5_PIPE_159	Z5_IL_3022	Z5_MH_4037	G7	23	0.015	Circular	1.00	-	0.6	0.8	1.1	1.7
Z5_PIPE_160	Z5_IL_2607	Z5_MH_4062	G7	11	0.015	Circular	1.00	-	0.0	0.0	0.0	0.0
Z5_PIPE_161	Z5_IL_2606	Z5_MH_4062	G7	20	0.015	Circular	1.00	-	0.4	0.6	0.8	1.1
Z5_PIPE_162	Z5_IL_3151	Z5_MH_4062	G7	319	0.010	Circular	1.50	-	6.6	8.3	10.7	14.2
Z5_PIPE_163	Z5_IL_3059	Z5_IL_3151	G7	21	0.015	Circular	1.00	-	0.8	1.1	1.4	1.9
Z5_PIPE_1630	Z5_IL_3430	Z5_IL_2301	H5	25	0.015	Circular	1.25	-	8.0	8.0	8.0	8.5
Z5_PIPE_1638	Z5_MH_4240	Z5_SGIL_4806	H5	160	0.015	Circular	1.25	-	13.5	14.3	15.5	17.3
Z5_PIPE_1639	Z5_SGIL_4806	Z5_MH_4241	H5	116	0.015	Circular	1.25	-	13.3	13.3	13.3	14.6
Z5_PIPE_164	Z5_MH_4157	Z5_MH_4037	G7	172	0.015	Circular	1.50	-	7.0	8.9	11.4	15.2
Z5_PIPE_1640	Z5_CB_663	Z5_MH_4241	H5	13	0.015	Circular	1.00	-	1.3	1.6	6.1	1.9
Z5_PIPE_1641	Z5_MH_4241	Z5_MH_4242	H5	226	0.015	Circular	1.25	-	11.8	12.1	12.5	13.2
Z5_PIPE_1642	Z5_MH_4242	Z5_OF_5569	H5	99	0.015	Circular	1.75	-	12.0	12.3	12.8	13.5
Z5_PIPE_1643	Z5_IL_3194	Z5_OF_4541	H5	79	0.015	Circular	2.00	-	21.8	26.8	30.7	37.6
Z5_PIPE_1644	Z5_IL_1423	Z5_IL_3163	H5	33	0.015	Circular	1.00	-	2.5	3.1	3.9	4.8
Z5_PIPE_1645	Z5_IL_3163	Z5_OF_4451	H5	99	0.015	Circular	1.00	-	2.5	3.1	3.9	4.7
Z5_PIPE_1646	Z5_IL_1417	Z5_IL_1416	H5	36	0.015	Circular	1.00	-	2.2	2.6	4.1	3.4
Z5_PIPE_1647	Z5_IL_1418	Z5_MH_3774	H5	33	0.015	Circular	1.00	-	1.0	1.5	6.4	5.6
Z5_PIPE_1648	Z5_IL_1419	Z5_MH_3774	H5	38	0.015	Circular	1.00	-	0.0	0.3	4.7	3.8
Z5_PIPE_1649	Z5_IL_1416	Z5_MH_3774	H5	60	0.015	Circular	1.00	-	2.2	2.5	3.0	2.4
Z5_PIPE_1650	Z5_IL_1420	Z5_MH_3774	H5	55	0.015	Circular	1.25	-	4.0	5.1	9.6	5.4
Z5_PIPE_1651	Z5_MH_4243	Z5_SGIL_4807	H5	40	0.015	Circular	1.50	-	9.0	11.4	13.7	15.1
Z5_PIPE_1652	Z5_SGIL_4807	Z5_OF_4410	H5	77	0.015	Circular	1.50	-	9.0	11.4	13.7	15.1
Z5_PIPE_1653	Z5_IL_3436	Z5_MH_4243	H5	14	0.015	Circular	1.00	-	1.9	2.5	3.1	4.1
Z5_PIPE_1655	Z5_IL_1422	Z5_IL_2300	H5	88	0.015	Circular	1.25	-	3.8	4.4	5.4	5.4
Z5_PIPE_1658	Z5_IL_1005	Z5_IL_1004	G6	104	0.015	Circular	1.00	-	0.8	1.0	1.3	1.7
Z5_PIPE_1659	Z5_IL_1004	Z5_IL_1003	G6	221	0.015	Circular	1.00	-	0.8	1.0	1.3	1.7
Z5_PIPE_1660	Z5_IL_3172	Z5_IL_1002	G6	55	0.010	Circular	1.00	-	0.9	1.2	1.6	5.0
Z5_PIPE_1661	Z5_IL_1003	Z5_IL_1002	G6	47	0.010	Circular	1.00	-	1.7	2.2	2.7	7.2
Z5_PIPE_1662	Z5_IL_3439	Z5_SGMH_4873	G6	18	0.010	Circular	1.50	-	6.7	9.4	12.8	14.3
Z5_PIPE_1663	Z5_SGMH_4873	Z5_IL_5559	G6	78	0.015	Circular	1.50	-	6.7	9.4	12.8	14.3
Z5_PIPE_1664	Z5_IL_1002	Z5_IL_3439	G6	109	0.010	Circular	1.00	-	6.7	9.4	12.8	14.3
Z5_PIPE_1665	Z5_MH_4033	Z5_MH_5098	H6	252	0.015	Circular	1.00	-	4.0	5.3	5.5	5.8
Z5_PIPE_1666	Z5_IL_3440	Z5_MH_4034	H6	24	0.015	Circular	1.00	-	1.4	1.8	2.6	3.0
Z5_PIPE_1667	Z5_MH_4034	Z5_MH_4033	H6	132	0.015	Circular	1.00	-	3.4	4.3	4.6	4.7
Z5_PIPE_1668	Z5_IL_1267	Z5_MH_3759	N4	19	0.015	Circular	1.00	-	0.9	1.1	1.4	1.9
Z5_PIPE_1669	Z5_IL_1242	Z5_IL_1241	M4	25	0.015	Circular	1.00	-	0.7	1.0	1.3	2.1
Z5_PIPE_1670	Z5_IL_1251	Z5_IL_1250	N5	26	0.015	Circular	1.00	-	0.5	0.7	0.9	4.2
Z5_PIPE_1671	Z5_CB_474	Z5_IL_1241	M4	118	0.015	Circular	1.00	-	2.4	3.0	3.3	3.6

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Zone 5 East Existing Pipes

Link ID*	From Node	To Node	County Grid #	Length (ft)	Manning's N	Shape	Max Depth (ft)	Bottom Width (ft)	Max Q (cfs)			
									5Yr	10Yr	25Yr	100Yr
Z5_PIPE_1672	Z5_IL_1239	Z5_IL_1237	M4	322	0.015	Circular	1.25	-	4.0	5.1	5.2	5.2
Z5_PIPE_1673	Z5_IL_1229	Z5_IL_1227	M4	358	0.015	Circular	1.25	-	1.5	2.0	2.6	3.1
Z5_PIPE_1674	Z5_IL_1227	Z5_IL_1226	M4	141	0.015	Circular	1.25	-	2.9	3.8	4.8	6.4
Z5_PIPE_1675	Z5_IL_1288	Z5_IL_1287	M4	34	0.015	Circular	1.00	-	1.5	2.0	3.0	3.5
Z5_PIPE_1677	Z5_IL_1197	Z5_MH_3747	M5	9	0.015	Circular	1.00	-	0.9	1.1	1.3	1.6
Z5_PIPE_1680	Z5_IL_980	Z5_IL_979	M5	36	0.010	Circular	1.00	-	2.1	2.6	3.2	4.1
Z5_PIPE_1684	Z5_IL_978	Z5_IL_1202	M5	35	0.015	Circular	1.00	-	1.7	2.3	3.3	5.4
Z5_PIPE_1685	Z5_IL_3530	Z5_IL_3531	K5	6	0.015	Circular	1.00	-	2.8	2.5	2.2	2.7
Z5_PIPE_1686	Z5_IL_3533	Z5_CB_4917	K5	20	0.015	Rectangular (open)	8.00	10.00	266.6	226.3	218.4	231.4
Z5_PIPE_1687	Z5_IL_3531	Z5_MH_5118	K5	54	0.015	Circular	1.00	-	2.8	2.5	2.2	2.8
Z5_PIPE_1691	Z5_SGIL_4751	Z5_IL_3534	K5	70	0.015	Circular	1.00	-	4.3	4.8	4.8	4.9
Z5_PIPE_1692	Z5_IL_3534	Z5_MH_3873	K5	23	0.015	Circular	1.00	-	9.7	10.8	11.3	12.1
Z5_PIPE_170	Z5_IL_1280	Z5_SGMH_4851	N4	28	0.015	Circular	1.00	-	0.3	0.5	0.6	0.8
Z5_PIPE_171	Z5_SGMH_4851	Z5_OF_4401	O4	64	0.015	Circular	1.50	-	13.1	16.4	20.1	23.0
Z5_PIPE_1710	Z5_IL_3571	Z5_MH_4305	L4	104	0.015	Circular	2.25	-	10.0	13.1	17.2	23.0
Z5_PIPE_1711	Z5_MH_4305	Z5_CB_503	L5	44	0.015	Circular	2.25	-	10.0	13.1	17.2	23.0
Z5_PIPE_1712	Z5_IL_2942	Z5_IL_3571	L4	76	0.015	Circular	1.00	-	1.1	1.5	1.9	2.6
Z5_PIPE_1713	Z5_IL_3055	Z5_IL_1986	G6	97	0.015	Circular	1.00	-	3.7	3.5	3.1	3.0
Z5_PIPE_1714	Z5_IL_1483	Z5_MH_3869	G6	84	0.015	Circular	1.50	-	7.3	9.0	11.3	11.9
Z5_PIPE_1715	Z5_IL_1481	Z5_MH_3869	G6	23	0.015	Circular	1.50	-	3.3	4.6	6.3	13.8
Z5_PIPE_1716	Z5_IL_1482	Z5_MH_3869	G6	41	0.015	Circular	1.50	-	0.6	0.9	1.2	3.7
Z5_PIPE_1717	Z5_MH_3869	Z5_MH_3876	G6	144	0.015	Circular	3.00	-	57.0	75.5	98.1	112.0
Z5_PIPE_1718	Z5_MH_3877	Z5_MH_3869	G6	107	0.015	Circular	3.00	-	47.2	62.8	81.6	95.4
Z5_PIPE_1719	Z5_IL_2535	Z5_MH_3878	G6	192	0.015	Circular	2.00	-	11.3	14.9	19.7	22.5
Z5_PIPE_172	Z5_SGMH_4849	Z5_SGMH_4851	N4	50	0.015	Circular	2.00	-	12.8	16.0	19.6	22.2
Z5_PIPE_1721	Z5_IL_4882	Z5_MH_4237	G6	53	0.015	Circular	1.00	-	5.1	5.1	5.1	5.1
Z5_PIPE_1723	Z5_MH_4237	Z5_MH_5101	G6	85	0.015	Rectangular	3.00	5.00	120.0	130.4	151.9	178.4
Z5_PIPE_1724	Z5_IL_3426	Z5_MH_4237	G6	29	0.015	Circular	1.25	-	8.7	8.7	8.7	8.7
Z5_PIPE_1726	Z5_IL_3427	Z5_MH_5101	G6	62	0.015	Circular	1.00	-	4.5	4.5	4.5	5.1
Z5_PIPE_173	Z5_IL_1219	Z5_SGMH_4849	N4	13	0.015	Circular	1.00	-	0.0	0.0	0.0	0.0
Z5_PIPE_174	Z5_IL_2401	Z5_MH_3856	G7	45	0.015	Circular	1.00	-	7.8	7.9	8.5	9.7
Z5_PIPE_175	Z5_IL_2402	Z5_MH_3856	G7	258	0.015	Circular	1.25	-	10.5	11.0	11.8	13.1
Z5_PIPE_176	Z5_IL_4879	Z5_IL_2402	G7	187	0.015	Circular	1.25	-	9.4	9.6	10.0	10.6
Z5_PIPE_177	Z5_IL_2404	Z5_IL_4879	G7	206	0.015	Circular	1.25	-	8.6	9.3	10.1	10.8
Z5_PIPE_178	Z5_MH_5094	Z5_IL_2404	G7	99	0.015	Circular	1.25	-	8.6	9.3	10.1	10.9
Z5_PIPE_179	Z5_MH_3857	Z5_MH_5094	G7	137	0.015	Circular	1.00	-	7.5	7.9	8.2	8.8
Z5_PIPE_180	Z5_IL_2407	Z5_IL_2406	G7	52	0.015	Circular	1.00	-	0.8	1.1	1.4	1.9
Z5_PIPE_181	Z5_IL_2406	Z5_MH_3857	G7	130	0.015	Circular	1.00	-	0.8	1.1	1.4	1.9
Z5_PIPE_186	Z5_MH_5104	Z5_OF_4384	G6	76	0.015	Circular	3.00	-	20.5	27.5	37.1	51.9
Z5_PIPE_187	Z5_IL_2446	Z5_IL_2445	G6	29	0.015	Circular	1.00	-	0.9	1.3	1.7	2.4
Z5_PIPE_188	Z5_IL_2445	Z5_MH_5104	G6	43	0.015	Circular	1.00	-	3.5	4.8	6.4	8.9
Z5_PIPE_1908	Z5_IL_1986	Z5_MH_4059	G6	253	0.015	Circular	1.00	-	2.0	1.8	2.0	2.0
Z5_PIPE_1912	Z5_IL_3199	Z5_IL_1502	H6	15	0.015	Circular	1.75	-	0.0	0.0	0.8	12.2
Z5_PIPE_1913	Z5_IL_1502	Z5_MH_3804	H6	9	0.015	Circular	2.00	-	9.9	14.8	17.5	23.6
Z5_PIPE_1914	Z5_MH_3805	Z5_MH_3804	J6	211	0.010	Circular	2.00	-	4.2	5.4	7.0	9.1
Z5_PIPE_1916	Z5_MH_5098	Z5_MH_4032	H6	175	0.015	Circular	1.00	-	6.2	8.1	9.2	10.7
Z5_PIPE_1917	Z5_MH_4032	Z5_MH_4031	H6	164	0.015	Circular	1.00	-	7.2	9.5	10.9	12.9
Z5_PIPE_1918	Z5_MH_4031	Z5_OF_4972	H6	121	0.015	Circular	1.25	-	7.2	9.5	10.9	12.9
Z5_PIPE_1919	Z5_IL_3448	Z5_MH_5099	G6	103	0.015	Circular	1.00	-	3.2	4.5	6.1	8.5
Z5_PIPE_192	Z5_IL_3003	Z5_IL_3004	H5	34	0.015	Circular	1.00	-	0.0	0.0	0.0	0.0
Z5_PIPE_1920	Z5_MH_5099	Z5_IL_1002	G6	215	0.015	Circular	1.25	-	3.2	4.5	6.1	8.5
Z5_PIPE_1921	Z5_IL_2548	Z5_IL_2547	G6	77	0.015	Circular	1.50	-	15.1	19.6	22.7	23.2
Z5_PIPE_1922	Z5_IL_2547	Z5_MH_5103	G6	32	0.015	Circular	1.50	-	15.9	20.9	24.7	26.1
Z5_PIPE_1924	Z5_IL_2546	Z5_IL_2548	G6	180	0.015	Circular	1.50	-	14.1	18.4	21.6	22.0
Z5_PIPE_1925	Z5_IL_2543	Z5_IL_2546	G6	216	0.015	Circular	1.50	-	12.0	15.9	20.2	20.7
Z5_PIPE_193	Z5_IL_3004	Z5_IL_3011	H5	170	0.015	Circular	1.25	-	0.8	1.2	1.7	2.4
Z5_PIPE_194	Z5_IL_3010	Z5_IL_3011	H5	74	0.015	Circular	1.00	-	1.7	2.3	3.1	4.3
Z5_PIPE_195	Z5_IL_3011	Z5_IL_3681	H5	79	0.015	Circular	1.25	-	2.5	3.5	4.8	6.7
Z5_PIPE_196	Z5_IL_3012	Z5_IL_3430	H5	121	0.015	Circular	1.25	-	3.1	4.3	6.2	8.7
Z5_PIPE_200	Z5_IL_1220	Z5_SGMH_4849	N4	33	0.015	Circular	1.00	-	0.9	1.2	1.6	2.3
Z5_PIPE_202	Z5_CB_528	Z5_IL_3112	N4	50	0.015	Circular	2.00	-	11.5	14.3	17.3	19.0
Z5_PIPE_203	Z5_IL_1222	Z5_MH_3756	N4	16	0.015	Circular	1.75	-	7.5	9.2	10.8	11.4
Z5_PIPE_2035	Z5_MH_5105	Z5_MH_4090	F5	235	0.015	Circular	2.75	-	37.1	55.1	85.1	103.9
Z5_PIPE_2036	Z5_MH_5102	Z5_MH_4035	G6	266	0.015	Circular	3.00	-	34.9	46.6	63.1	80.1
Z5_PIPE_2037	Z5_IL_2549	Z5_MH_5102	G6	9	0.015	Circular	1.75	-	2.0	2.6	3.4	4.6
Z5_PIPE_204	Z5_IL_1225	Z5_MH_3756	N4	35	0.015	Circular	1.25	-	3.6	4.7	6.0	7.8
Z5_PIPE_205	Z5_IL_1226	Z5_IL_1225	N4	224	0.015	Circular	1.25	-	2.9	3.8	4.8	6.9
Z5_PIPE_206	Z5_MH_4061	Z5_MH_4157	G7	80	0.015	Circular	1.50	-	7.0	8.9	11.5	15.2
Z5_PIPE_207	Z5_MH_4062	Z5_MH_4061	G7	153	0.015	Circular	1.50	-	7.0	8.9	11.5	15.2
Z5_PIPE_208	Z5_SGMH_4866	Z5_MH_3896	G7	98	0.015	Circular	1.50	-	12.6	10.6	13.5	13.9

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## Zone 5 East Existing Pipes

Link ID*	From Node	To Node	County Grid #	Length (ft)	Manning's N	Shape	Max Depth (ft)	Bottom Width (ft)	Max Q (cfs)			
									5Yr	10Yr	25Yr	100Yr
Z5_PIPE_209	Z5_CB_597	Z5_IL_2622	E7	37	0.015	Circular	1.00	-	1.8	2.4	3.2	4.4
Z5_PIPE_2095	Z5_SGIL_4811	Z5_MH_5100	G6	89	0.010	Circular	1.00	-	4.4	7.2	9.6	7.5
Z5_PIPE_210	Z5_IL_2622	Z5_IL_5356	E7	93	0.015	Circular	1.00	-	1.8	2.4	3.2	4.4
Z5_PIPE_211	Z5_IL_2608	NEW_Z5_OF_6600	G7	68	0.015	Circular	1.50	-	14.2	14.1	14.9	16.0
Z5_PIPE_2118	Z5_IL_2644	Z5_SGIL_4739	E5	28	0.010	Circular	1.00	-	0.8	1.2	1.7	2.5
Z5_PIPE_2119	Z5_SGIL_4739	Z5_OF_4996	E5	107	0.010	Circular	1.00	-	0.8	1.2	1.7	2.5
Z5_PIPE_2123	Z5_MH_4171	Z5_IL_1474	G8	103	0.010	Circular	1.75	-	26.7	34.2	35.1	34.2
Z5_PIPE_2124	Z5_IL_1474	Z5_IL_1472	G8	55	0.015	Circular	1.75	-	26.7	29.1	29.1	29.1
Z5_PIPE_2128	Z5_IL_1351	Z5_CB_363	G8	42	0.015	Circular	1.50	-	16.8	17.8	17.3	16.9
Z5_PIPE_2129	Z5_CB_363	Z5_MH_4254	G8	102	0.015	Circular	1.50	-	14.1	14.2	13.0	12.2
Z5_PIPE_213	Z5_MH_3856	Z5_MH_5093	G7	94	0.015	Circular	1.50	-	17.8	18.4	19.6	21.2
Z5_PIPE_2130	Z5_MH_4254	Z5_CB_361	G8	34	0.015	Circular	2.50	-	38.1	37.7	40.7	41.0
Z5_PIPE_2131	Z5_CB_361	Z5_MH_4118	G8	136	0.015	Circular	1.75	-	35.3	36.8	38.4	40.3
Z5_PIPE_2133	Z5_MH_4166	Z5_MH_4254	G8	198	0.015	Circular	1.75	-	27.7	28.5	29.3	30.6
Z5_PIPE_2136	Z5_CB_380	Z5_CB_379	G8	54	0.015	Circular	1.00	-	0.7	0.9	1.2	1.5
Z5_PIPE_2137	Z5_CB_379	Z5_MH_4255	G8	87	0.015	Circular	1.00	-	0.7	0.9	1.2	1.5
Z5_PIPE_2138	Z5_IL_3496	Z5_MH_4255	G8	17	0.015	Circular	1.00	-	0.0	0.0	0.0	0.0
Z5_PIPE_2139	Z5_IL_3498	Z5_MH_4255	G8	7	0.015	Circular	1.00	-	0.0	0.0	0.0	0.0
Z5_PIPE_2140	Z5_IL_3497	Z5_MH_4255	G8	41	0.015	Circular	1.00	-	1.0	1.2	1.5	2.0
Z5_PIPE_2141	Z5_CB_370	Z5_CB_369	G8	77	0.015	Circular	1.00	-	0.0	0.0	1.1	1.6
Z5_PIPE_2142	Z5_CB_369	Z5_MH_4067	G8	52	0.015	Circular	1.00	-	0.0	0.2	1.5	1.8
Z5_PIPE_2143	Z5_CB_371	Z5_CB_373	G8	84	0.015	Circular	1.00	-	0.9	1.1	2.0	2.5
Z5_PIPE_2144	Z5_CB_372	Z5_MH_3949	G8	83	0.015	Circular	1.00	-	1.8	2.3	3.2	3.3
Z5_PIPE_2145	Z5_CB_376	Z5_CB_375	G8	89	0.015	Circular	1.00	-	0.9	1.2	1.5	1.9
Z5_PIPE_2146	Z5_CB_375	Z5_CB_374	G8	78	0.015	Circular	1.00	-	0.9	1.2	1.5	1.9
Z5_PIPE_2147	Z5_CB_374	Z5_CB_378	G8	112	0.015	Circular	1.25	-	0.9	1.2	1.5	1.9
Z5_PIPE_2148	Z5_CB_377	Z5_CB_378	G8	152	0.015	Circular	1.00	-	0.0	0.0	0.0	0.0
Z5_PIPE_2149	Z5_CB_378	Z5_CB_714	G8	100	0.015	Circular	1.75	-	12.4	15.1	18.9	19.6
Z5_PIPE_215	Z5_IL_2686	Z5_IL_2687	G6	24	0.015	Circular	1.00	-	0.6	0.7	1.0	1.3
Z5_PIPE_2150	Z5_CB_714	Z5_CB_715	G8	64	0.015	Circular	1.50	-	12.4	15.1	18.9	19.6
Z5_PIPE_2151	Z5_CB_715	Z5_OF_4416	G8	82	0.015	Circular	1.50	-	13.3	16.3	18.2	19.3
Z5_PIPE_2152	Z5_IL_2397	Z5_OF_4566	G8	130	0.015	Circular	1.00	-	2.3	2.8	3.5	4.6
Z5_PIPE_2153	Z5_IL_3036	Z5_IL_3035	G8	32	0.015	Circular	1.00	-	0.4	0.6	0.8	1.1
Z5_PIPE_2154	Z5_MH_4040	Z5_OF_4414	G8	26	0.015	Circular	1.25	-	3.6	4.6	5.9	7.0
Z5_PIPE_2155	Z5_CB_253	Z5_CB_252	G8	39	0.015	Circular	1.00	-	1.8	2.2	2.8	3.6
Z5_PIPE_2156	Z5_CB_252	Z5_CB_251	G8	66	0.015	Circular	1.00	-	3.4	4.2	5.3	7.0
Z5_PIPE_2157	Z5_IL_3157	Z5_IL_3165	G8	43	0.015	Circular	1.25	-	8.2	10.2	11.9	13.2
Z5_PIPE_2158	Z5_MH_4070	Z5_MH_4071	G8	98	0.015	Circular	1.00	-	0.0	1.6	2.7	2.7
Z5_PIPE_2159	Z5_MH_4255	Z5_MH_4069	G8	164	0.015	Circular	1.00	-	1.7	2.1	2.7	3.5
Z5_PIPE_216	Z5_IL_2687	Z5_IL_2599	H7	164	0.015	Circular	1.25	-	5.6	6.6	8.0	10.2
Z5_PIPE_2160	Z5_IL_3067	Z5_MH_4069	G8	19	0.015	Circular	1.00	-	1.3	1.7	2.1	2.7
Z5_PIPE_2161	Z5_MH_4069	Z5_MH_4068	G8	58	0.015	Circular	1.00	-	3.0	3.8	4.8	6.2
Z5_PIPE_2162	Z5_IL_3066	Z5_MH_4068	G8	27	0.015	Circular	1.00	-	0.6	0.7	1.0	1.4
Z5_PIPE_2163	Z5_IL_3065	Z5_MH_4068	G8	25	0.015	Circular	1.00	-	0.0	0.0	0.0	0.5
Z5_PIPE_2164	Z5_MH_4068	Z5_MH_4043	G8	224	0.015	Circular	1.50	-	3.6	4.5	5.8	7.6
Z5_PIPE_2165	Z5_MH_4044	Z5_MH_4043	G8	33	0.015	Circular	1.00	-	4.7	5.5	5.6	5.8
Z5_PIPE_2166	Z5_MH_4045	Z5_MH_4044	G8	46	0.015	Circular	1.00	-	4.7	5.5	5.6	5.8
Z5_PIPE_2167	Z5_MH_4071	Z5_MH_4072	G8	278	0.015	Circular	1.00	-	4.7	5.5	5.6	5.8
Z5_PIPE_2168	Z5_MH_4072	Z5_MH_5333	G8	77	0.015	Circular	1.00	-	4.7	5.5	5.6	5.8
Z5_PIPE_2169	Z5_IL_3070	Z5_CB_716	G8	51	0.015	Circular	1.25	-	0.0	0.0	0.0	0.0
Z5_PIPE_2170	Z5_MH_4073	Z5_MH_4045	G8	133	0.015	Circular	1.00	-	4.7	5.5	5.6	5.8
Z5_PIPE_2171	Z5_MH_4042	Z5_MH_4041	G8	40	0.015	Circular	6.00	-	36.3	79.2	52.9	29.8
Z5_PIPE_2172	Z5_MH_4041	Z5_IL_3500	G8	194	0.015	Circular	6.00	-	44.4	66.4	57.8	26.5
Z5_PIPE_2173	Z5_IL_3500	Z5_MH_5390	G8	196	0.015	Circular	1.00	-	8.0	8.1	8.7	9.2
Z5_PIPE_2174	Z5_MH_4043	Z5_CB_717	G8	102	0.015	Circular	1.50	-	9.7	12.5	13.6	16.1
Z5_PIPE_2175	Z5_CB_717	Z5_MH_4042	G8	83	0.015	Circular	6.00	-	28.8	63.9	42.5	23.0
Z5_PIPE_2176	Z5_IL_3499	Z5_MH_4070	G8	54	0.015	Circular	1.00	-	0.0	0.1	0.0	0.1
Z5_PIPE_2177	Z5_SGIL_4814	Z5_IL_3500	G8	17	0.015	Circular	1.00	-	7.0	10.2	10.2	6.7
Z5_PIPE_2178	Z5_IL_3502	Z5_IL_3501	G8	35	0.015	Circular	1.00	-	0.0	0.0	0.0	0.0
Z5_PIPE_2179	Z5_IL_3501	Z5_MH_4042	G8	65	0.015	Circular	1.00	-	0.0	0.0	0.0	0.1
Z5_PIPE_2180	Z5_IL_3037	Z5_MH_4257	G8	32	0.015	Circular	1.00	-	0.9	1.1	2.0	1.3
Z5_PIPE_2181	Z5_MH_5084	Z5_MH_4257	H8	29	0.015	Circular	1.00	-	1.0	1.3	1.7	2.2
Z5_PIPE_2182	Z5_MH_4257	Z5_MH_4258	G8	79	0.015	Circular	1.00	-	1.9	2.4	2.8	2.7
Z5_PIPE_2183	Z5_CB_249	Z5_MH_4258	G8	51	0.015	Circular	1.00	-	0.7	0.8	1.1	1.4
Z5_PIPE_2184	Z5_MH_4258	Z5_SGIL_4814	G8	323	0.015	Circular	1.00	-	2.7	3.1	3.8	3.7
Z5_PIPE_2185	Z5_IL_3038	Z5_MH_5084	G8	10	0.015	Circular	1.25	-	1.0	1.7	1.9	2.2
Z5_PIPE_2186	Z5_MH_5390	Z5_MH_4256	G8	34	0.015	Circular	1.50	-	9.3	9.9	10.6	11.6
Z5_PIPE_2187	Z5_MH_4256	Z5_MH_4259	G8	87	0.015	Circular	1.75	-	12.1	13.5	15.3	17.8
Z5_PIPE_2188	Z5_MH_4259	Z5_IL_3034	G8	51	0.015	Circular	1.75	-	12.1	13.5	15.3	17.8
Z5_PIPE_2189	Z5_IL_3165	Z5_IL_3033	G8	53	0.015	Circular	1.00	-	8.2	8.6	9.3	10.1

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Zone 5 East Existing Pipes

Link ID*	From Node	To Node	County Grid #	Length (ft)	Manning's N	Shape	Max Depth (ft)	Bottom Width (ft)	Max Q (cfs)			
									5Yr	10Yr	25Yr	100Yr
Z5_PIPE_2190	Z5_IL_3033	Z5_IL_3032	G8	37	0.015	Circular	1.25	-	8.4	9.1	9.7	10.6
Z5_PIPE_2191	Z5_IL_3032	Z5_MH_4357	G8	21	0.015	Circular	1.25	-	8.4	9.1	9.7	10.6
Z5_PIPE_2192	Z5_IL_3034	Z5_MH_4357	G8	191	0.015	Circular	1.75	-	12.1	13.5	15.3	17.8
Z5_PIPE_2193	Z5_MH_4357	Z5_CB_731	G8	200	0.015	Circular	2.00	-	21.2	23.5	26.0	29.7
Z5_PIPE_2199	Z5_CB_725	Z5_CB_248	G8	90	0.015	Circular	1.00	-	2.2	2.7	3.4	4.5
Z5_PIPE_2208	Z5_CB_726	Z5_CB_725	G8	40	0.015	Circular	1.00	-	2.2	2.7	3.4	4.5
Z5_PIPE_2209	Z5_CB_731	Z5_OF_4567	G8	177	0.015	Circular	2.00	-	21.2	23.4	26.0	29.7
Z5_PIPE_221	Z5_CB_594	Z5_OF_4454	F7	71	0.015	Circular	1.00	-	0.5	0.7	0.9	1.2
Z5_PIPE_2210	Z5_CB_248	Z5_OF_4568	G8	16	0.015	Circular	1.00	-	2.2	2.7	3.4	4.5
Z5_PIPE_2211	Z5_IL_3040	Z5_IL_3041	H8	68	0.015	Circular	1.50	-	4.4	5.6	7.2	9.4
Z5_PIPE_2212	Z5_IL_3041	Z5_OF_4991	G8	87	0.015	Circular	1.50	-	5.3	6.7	8.7	10.5
Z5_PIPE_2213	Z5_CB_259	Z5_CB_258	H8	293	0.015	Circular	1.00	-	0.0	0.0	0.0	0.0
Z5_PIPE_2214	Z5_CB_258	Z5_CB_257	H8	92	0.015	Circular	1.00	-	0.0	0.0	0.0	0.0
Z5_PIPE_2215	Z5_CB_257	Z5_CB_256	H8	96	0.015	Circular	1.00	-	0.0	0.0	0.0	0.0
Z5_PIPE_2216	Z5_CB_256	Z5_CB_255	H8	92	0.015	Circular	1.00	-	0.0	0.0	0.0	0.0
Z5_PIPE_2217	Z5_CB_255	Z5_CB_254	H8	80	0.015	Circular	1.00	-	0.0	0.0	0.0	0.2
Z5_PIPE_2218	Z5_CB_254	Z5_IL_3040	H8	92	0.015	Circular	1.50	-	2.6	3.3	4.3	5.6
Z5_PIPE_2219	Z5_CB_367	Z5_CB_368	G8	34	0.015	Circular	1.25	-	8.3	10.3	13.4	15.2
Z5_PIPE_222	Z5_IL_3105	Z5_IL_3106	G8	47	0.015	Circular	1.50	-	7.3	9.8	13.3	18.5
Z5_PIPE_2220	Z5_CB_368	Z5_MH_4067	G8	39	0.015	Circular	1.50	-	8.3	10.3	13.4	15.1
Z5_PIPE_2221	Z5_MH_4067	Z5_CB_373	G8	102	0.015	Circular	1.50	-	8.3	10.8	13.4	15.1
Z5_PIPE_2222	Z5_CB_373	Z5_MH_3949	G8	109	0.015	Circular	1.50	-	9.8	12.3	14.6	16.6
Z5_PIPE_2223	Z5_MH_3949	Z5_CB_378	G8	59	0.015	Circular	1.50	-	11.7	14.4	17.4	17.8
Z5_PIPE_2224	Z5_IL_3505	Z5_CB_116	G8	15	0.010	Circular	1.00	-	2.1	2.7	3.4	4.5
Z5_PIPE_2225	Z5_CB_116	Z5_OF_4426	G8	80	0.010	Circular	1.00	-	2.1	2.7	3.4	4.5
Z5_PIPE_2226	Z5_IL_5191	Z5_IL_3505	G8	76	0.015	Circular	1.00	-	0.0	0.0	0.0	0.0
Z5_PIPE_2233	Z5_IL_3508	Z5_CB_738	H7	47	0.015	Circular	2.25	-	8.1	9.5	11.4	14.3
Z5_PIPE_2234	Z5_IL_3509	Z5_CB_738	H8	27	0.015	Circular	2.00	-	2.2	2.8	3.5	4.7
Z5_PIPE_2235	Z5_OF_4593	Z5_MH_5083	H8	88	0.015	Circular	2.25	-	13.0	15.5	18.9	24.0
Z5_PIPE_2237	Z5_IL_1250	Z5_IL_1247	N5	251	0.015	Circular	1.25	-	4.6	6.1	7.6	8.2
Z5_PIPE_2238	Z5_IL_1257	Z5_IL_1250	M4	259	0.015	Circular	1.25	-	3.3	4.4	5.3	6.7
Z5_PIPE_2239	Z5_IL_1249	Z5_IL_1248	N4	45	0.015	Circular	1.00	-	0.6	0.8	1.1	1.5
Z5_PIPE_224	Z5_IL_3106	Z5_OF_4992	G8	114	0.015	Circular	1.50	-	7.3	9.8	13.3	18.5
Z5_PIPE_2240	Z5_IL_1248	Z5_IL_1247	N4	35	0.015	Circular	1.00	-	0.6	0.8	1.1	1.5
Z5_PIPE_2242	Z5_IL_1238	Z5_IL_1237	N4	31	0.015	Circular	1.00	-	0.8	1.0	1.4	2.8
Z5_PIPE_2243	Z5_IL_1236	Z5_CB_551	N4	27	0.015	Circular	1.00	-	0.8	1.0	1.5	1.9
Z5_PIPE_2244	Z5_IL_1240	Z5_IL_1239	M4	24	0.015	Circular	1.00	-	0.5	0.9	0.9	2.1
Z5_PIPE_2245	Z5_IL_1228	Z5_IL_1227	M4	24	0.015	Circular	1.25	-	0.9	1.2	1.7	2.9
Z5_PIPE_2246	Z5_IL_1230	Z5_IL_1229	M4	22	0.015	Circular	1.25	-	0.9	1.2	1.5	7.3
Z5_PIPE_2247	Z5_IL_1265	Z5_IL_1264	N4	24	0.015	Circular	1.00	-	0.8	1.0	1.6	1.8
Z5_PIPE_2248	Z5_IL_1263	Z5_IL_1262	N4	24	0.015	Circular	1.00	-	0.4	0.6	0.7	1.0
Z5_PIPE_2249	Z5_IL_2872	Z5_IL_1282	M4	135	0.010	Circular	1.00	-	1.1	1.5	2.6	2.2
Z5_PIPE_225	Z5_IL_3024	Z5_IL_1478	G7	97	0.015	Circular	2.00	-	17.1	22.4	27.1	36.7
Z5_PIPE_2250	Z5_IL_1283	Z5_IL_1282	M5	25	0.010	Circular	1.00	-	0.0	0.9	3.8	2.6
Z5_PIPE_2251	Z5_IL_1285	Z5_IL_1284	M4	23	0.015	Circular	1.00	-	0.8	1.1	2.0	2.2
Z5_PIPE_2252	Z5_IL_1254	Z5_IL_1253	M4	37	0.015	Circular	1.00	-	1.9	2.5	3.3	7.9
Z5_PIPE_2253	Z5_IL_1245	Z5_IL_1243	M4	38	0.015	Circular	1.00	-	0.8	1.4	2.2	2.7
Z5_PIPE_2254	Z5_IL_1244	Z5_IL_1243	M4	25	0.015	Circular	1.00	-	1.6	2.0	2.4	2.7
Z5_PIPE_2255	Z5_IL_1287	Z5_IL_1284	M4	277	0.015	Circular	1.00	-	1.5	2.0	2.2	2.1
Z5_PIPE_2256	Z5_IL_1284	Z5_IL_1286	M4	107	0.015	Circular	1.00	-	2.3	3.1	4.5	4.1
Z5_PIPE_2257	Z5_IL_1270	Z5_MH_3766	M4	28	0.015	Circular	1.25	-	3.5	4.7	8.0	6.4
Z5_PIPE_2258	Z5_MH_3761	Z5_MH_3760	N4	110	0.015	Circular	1.50	-	4.9	6.4	6.8	7.1
Z5_PIPE_2259	Z5_MH_3760	Z5_MH_3759	N4	129	0.015	Circular	1.50	-	4.9	6.4	6.8	7.1
Z5_PIPE_226	Z5_MH_3935	Z5_MH_3936	N4	88	0.015	Circular	1.00	-	0.6	0.9	1.0	1.4
Z5_PIPE_2260	Z5_IL_1253	Z5_IL_1256	M4	50	0.015	Circular	1.00	-	1.9	2.5	3.3	7.2
Z5_PIPE_2261	Z5_CB_464	Z5_IL_1258	M4	109	0.015	Circular	1.00	-	1.9	2.5	3.3	4.4
Z5_PIPE_2262	Z5_IL_1259	Z5_IL_1257	M4	30	0.015	Circular	1.00	-	0.5	0.7	0.9	5.4
Z5_PIPE_2263	Z5_IL_1202	Z5_MH_3752	M5	49	0.015	Circular	1.00	-	3.8	4.8	5.9	6.7
Z5_PIPE_2264	Z5_IL_982	Z5_IL_981	M5	38	0.015	Circular	1.00	-	0.7	0.9	1.1	1.5
Z5_PIPE_2265	Z5_MH_3751	Z5_MH_3750	M5	341	0.015	Circular	2.00	-	10.9	12.9	15.6	17.9
Z5_PIPE_2266	Z5_MH_3752	Z5_MH_3751	M5	13	0.015	Circular	2.00	-	10.9	12.9	15.6	17.8
Z5_PIPE_2267	Z5_IL_3260	Z5_IL_2462	M5	116	0.015	Circular	1.67	-	13.1	12.4	12.7	13.9
Z5_PIPE_2268	Z5_IL_2462	Z5_IL_979	M5	249	0.015	Circular	1.67	-	12.8	13.0	13.3	13.9
Z5_PIPE_2269	Z5_IL_979	Z5_MH_3752	M5	34	0.015	Circular	1.67	-	14.8	15.3	16.0	16.7
Z5_PIPE_227	Z5_MH_3936	Z5_MH_3937	M4	78	0.015	Circular	1.00	-	1.2	1.5	2.1	2.5
Z5_PIPE_2270	Z5_MH_3752	Z5_IL_981	M5	87	0.015	Circular	1.67	-	8.1	8.0	8.0	8.0
Z5_PIPE_2271	Z5_IL_981	Z5_IL_2983	M5	239	0.015	Circular	1.67	-	8.6	8.6	8.6	8.5
Z5_PIPE_2272	Z5_MH_3750	Z5_MH_3749	M5	79	0.015	Circular	2.00	-	12.2	14.4	17.4	20.4
Z5_PIPE_2274	Z5_IL_3513	Z5_MH_4156	M5	29	0.015	Circular	1.67	-	9.8	10.1	10.3	10.7
Z5_PIPE_2275	Z5_IL_2983	Z5_IL_3513	M5	119	0.015	Circular	1.67	-	9.8	10.0	10.3	10.7

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Zone 5 East Existing Pipes

Link ID*	From Node	To Node	County Grid #	Length (ft)	Manning's N	Shape	Max Depth (ft)	Bottom Width (ft)	Max Q (cfs)			
									5Yr	10Yr	25Yr	100Yr
Z5_PIPE_2276	Z5_CB_108	Z5_CB_748	M5	51	0.015	Circular	1.00	-	1.1	1.3	1.7	2.2
Z5_PIPE_2277	Z5_CB_748	Z5_MH_4156	M5	40	0.015	Circular	1.00	-	1.1	1.3	1.7	2.2
Z5_PIPE_2278	Z5_CB_479	Z5_MH_3750	M5	26	0.015	Circular	1.00	-	1.8	2.1	2.6	3.2
Z5_PIPE_2279	Z5_MH_3749	Z5_MH_3748	M5	114	0.015	Circular	2.50	-	12.2	14.4	17.4	20.4
Z5_PIPE_228	Z5_MH_3937	Z5_MH_3938	M4	67	0.015	Circular	1.00	-	1.2	1.6	2.1	2.5
Z5_PIPE_2285	Z5_SGIL_4624	Z5_OF_4402	M5	39	0.015	Circular	1.50	-	5.0	6.0	7.3	9.3
Z5_PIPE_2286	Z5_IL_1241	Z5_IL_1239	M4	225	0.015	Circular	1.25	-	3.1	3.9	4.1	4.1
Z5_PIPE_2287	Z5_IL_1237	Z5_CB_551	N4	31	0.015	Circular	1.25	-	4.8	5.8	6.1	7.5
Z5_PIPE_2288	Z5_CB_551	Z5_CB_545	N4	211	0.015	Circular	1.50	-	5.5	6.8	7.5	8.5
Z5_PIPE_2289	Z5_MH_4126	Z5_MH_3791	M4	71	0.015	Circular	1.00	-	0.0	0.0	0.1	1.4
Z5_PIPE_229	Z5_MH_3938	Z5_MH_3939	N4	129	0.015	Circular	1.00	-	1.3	1.6	2.1	2.5
Z5_PIPE_2291	Z5_IL_3515	Z5_MH_4124	L4	52	0.015	Circular	1.00	-	3.2	3.9	4.8	6.1
Z5_PIPE_2292	Z5_MH_4124	Z5_IL_1448	L4	217	0.015	Circular	1.50	-	3.2	3.8	4.8	6.1
Z5_PIPE_2293	Z5_MH_3785	Z5_IL_1448	L4	74	0.015	Circular	3.50	-	46.5	57.0	69.0	80.7
Z5_PIPE_2294	Z5_CB_472	Z5_CB_472	L4	68	0.015	Circular	1.50	-	4.8	4.0	6.9	7.1
Z5_PIPE_2295	Z5_CB_472	Z5_OF_5080	L4	47	0.015	Circular	1.50	-	5.9	6.4	8.1	8.5
Z5_PIPE_2296	Z5_IL_2500	Z5_SGIL_4719	L4	18	0.010	Circular	1.00	-	1.3	1.5	1.8	2.2
Z5_PIPE_2297	Z5_SGIL_4719	Z5_MH_3875	L4	150	0.010	Circular	1.00	-	1.3	1.5	1.8	2.2
Z5_PIPE_2298	Z5_MH_3875	Z5_IL_2504	L4	85	0.010	Circular	1.50	-	0.8	1.0	1.2	1.6
Z5_PIPE_2299	Z5_IL_2502	Z5_IL_2501	L4	175	0.010	Circular	1.50	-	3.2	4.3	5.8	7.9
Z5_PIPE_230	Z5_IL_2875	Z5_MH_3935	M4	22	0.015	Circular	1.00	-	0.0	0.2	0.3	0.5
Z5_PIPE_2302	Z5_MH_3792	Z5_MH_3791	M4	251	0.015	Circular	1.50	-	3.4	4.0	4.9	5.7
Z5_PIPE_2303	Z5_IL_1451	Z5_MH_3792	L5	16	0.015	Circular	1.00	-	3.4	4.0	5.0	5.7
Z5_PIPE_2304	Z5_MH_3791	Z5_MH_3790	M4	288	0.015	Circular	1.50	-	5.0	6.1	7.4	8.6
Z5_PIPE_2305	Z5_MH_3790	Z5_MH_3789	M4	45	0.015	Circular	3.00	-	28.8	35.3	43.5	49.0
Z5_PIPE_2306	Z5_MH_3789	Z5_MH_3788	M4	274	0.015	Circular	3.00	-	30.2	36.9	45.5	51.4
Z5_PIPE_2307	Z5_MH_3788	Z5_MH_3787	M4	300	0.015	Circular	3.50	-	32.5	39.7	48.5	55.7
Z5_PIPE_2308	Z5_MH_3787	Z5_MH_3786	M4	347	0.015	Circular	3.50	-	41.6	50.9	62.3	70.5
Z5_PIPE_2309	Z5_MH_3782	Z5_MH_3787	M4	48	0.015	Circular	1.00	-	4.8	5.8	7.0	7.1
Z5_PIPE_231	Z5_IL_2874	Z5_MH_3935	M4	11	0.015	Circular	1.00	-	0.0	0.2	0.2	0.7
Z5_PIPE_2312	Z5_MH_3786	Z5_MH_3785	M4	455	0.015	Circular	3.50	-	44.8	54.8	66.3	77.0
Z5_PIPE_2318	Z5_IL_3524	Z5_MH_5109	M4	159	0.024	Circular	1.50	-	1.4	1.7	2.1	2.8
Z5_PIPE_2319	Z5_MH_5109	Z5_OF_5073	M4	312	0.015	Rectangular	4.00	8.00	121.2	125.2	130.3	135.7
Z5_PIPE_232	Z5_IL_2876	Z5_MH_3936	M4	18	0.015	Circular	1.00	-	0.6	0.8	1.1	1.5
Z5_PIPE_2321	Z5_IL_1437	Z5_IL_1438	M4	36	0.015	Circular	1.00	-	1.5	1.8	2.7	4.4
Z5_PIPE_2322	Z5_IL_3525	Z5_MH_3791	M4	8	0.015	Circular	1.00	-	1.7	2.1	2.7	4.4
Z5_PIPE_2323	Z5_IL_2932	Z5_MH_5115	L4	16	0.015	Circular	1.00	-	4.3	4.8	5.5	7.2
Z5_PIPE_2329	Z5_IL_2613	Z5_MH_5108	M4	13	0.015	Circular	1.00	-	4.0	5.2	6.3	7.3
Z5_PIPE_233	Z5_IL_2877	Z5_MH_3937	M4	12	0.015	Circular	1.00	-	0.0	0.1	0.6	0.7
Z5_PIPE_2337	Z5_CB_107	Z5_CB_106	M5	12	0.015	Circular	1.00	-	1.3	2.0	2.9	4.3
Z5_PIPE_2338	Z5_IL_1446	Z5_MH_3784	L5	87	0.015	Circular	1.00	-	3.9	4.6	5.8	7.5
Z5_PIPE_2339	Z5_IL_1445	Z5_MH_3784	L5	29	0.015	Circular	1.00	-	1.2	0.1	0.6	1.1
Z5_PIPE_234	Z5_IL_2879	Z5_MH_3939	N4	20	0.015	Circular	1.00	-	1.8	2.1	2.4	2.7
Z5_PIPE_2340	Z5_IL_3527	Z5_MH_4266	L5	63	0.015	Circular	1.00	-	6.0	0.5	0.6	0.7
Z5_PIPE_2342	Z5_IL_3528	Z5_CB_791	L5	58	0.015	Circular	1.00	-	2.9	3.1	3.1	3.5
Z5_PIPE_2343	Z5_IL_3529	Z5_MH_5122	L5	5	0.015	Circular	1.00	-	4.7	1.6	1.6	1.6
Z5_PIPE_2346	Z5_IL_3549	Z5_MH_3984	H5	52	0.015	Circular	1.00	-	3.2	4.0	5.1	6.7
Z5_PIPE_2347	Z5_MH_3984	Z5_MH_4285	H5	15	0.015	Circular	2.00	-	8.7	10.5	12.8	16.4
Z5_PIPE_2348	Z5_CB_822	Z5_MH_4285	H5	18	0.015	Circular	1.00	-	0.0	0.0	0.0	0.0
Z5_PIPE_2349	Z5_MH_4285	Z5_MH_4350	H5	193	0.015	Circular	2.00	-	8.7	10.5	12.8	16.4
Z5_PIPE_235	Z5_IL_2878	Z5_MH_3939	N4	7	0.015	Circular	1.00	-	0.1	0.1	0.7	1.4
Z5_PIPE_2350	Z5_CB_141	Z5_MH_4349	H5	32	0.015	Circular	1.25	-	3.0	3.7	4.7	5.4
Z5_PIPE_2351	Z5_CB_142	Z5_CB_143	H5	75	0.015	Circular	1.50	-	11.4	13.7	17.5	21.7
Z5_PIPE_2352	Z5_CB_823	Z5_CB_143	H5	48	0.015	Circular	1.50	-	1.8	2.3	6.2	9.4
Z5_PIPE_2353	Z5_CB_143	Z5_MH_4286	H5	136	0.015	Circular	1.50	-	12.1	14.6	16.1	16.8
Z5_PIPE_2354	Z5_MH_4286	Z5_CB_147	H5	71	0.015	Circular	2.00	-	13.7	16.8	18.8	19.8
Z5_PIPE_2355	Z5_CB_147	Z5_CB_148	H5	228	0.015	Circular	2.00	-	14.0	17.1	19.9	21.0
Z5_PIPE_2356	Z5_CB_824	Z5_MH_4286	H5	80	0.015	Circular	1.00	-	2.2	2.8	3.1	3.2
Z5_PIPE_2357	Z5_CB_146	Z5_CB_148	H5	179	0.015	Circular	1.75	-	9.2	10.7	11.5	12.9
Z5_PIPE_2358	Z5_CB_145	Z5_CB_146	H5	60	0.015	Circular	1.00	-	6.9	8.0	8.4	9.1
Z5_PIPE_236	Z5_MH_3939	Z5_MH_3940	N4	199	0.015	Circular	1.00	-	2.7	3.4	4.3	4.3
Z5_PIPE_2362	Z5_IL_2275	Z5_IL_2273	L5	45	0.015	Circular	1.00	-	0.8	1.0	1.3	1.9
Z5_PIPE_2363	Z5_IL_2272	Z5_MH_3836	L5	42	0.015	Circular	1.00	-	1.0	1.5	2.1	3.1
Z5_PIPE_2364	Z5_IL_2456	Z5_MH_3866	L5	35	0.015	Circular	1.00	-	1.2	1.7	2.4	3.5
Z5_PIPE_237	Z5_IL_2880	Z5_MH_3940	N4	12	0.015	Circular	1.00	-	0.0	0.0	2.4	2.5
Z5_PIPE_238	Z5_MH_3941	Z5_MH_3713	N4	241	0.015	Circular	1.50	-	7.4	9.2	10.1	10.7
Z5_PIPE_2381	Z5_MH_4193	Z5_CB_150	J5	161	0.015	Circular	2.00	-	15.8	19.3	23.8	30.4
Z5_PIPE_2382	Z5_CB_552	Z5_MH_4274	K4	5	0.015	Circular	1.00	-	4.6	5.8	7.4	9.8
Z5_PIPE_2387	Z5_CB_549	Z5_MH_5119	K5	8	0.015	Circular	1.00	-	11.1	12.9	14.6	17.4
Z5_PIPE_2389	Z5_MH_5120	Z5_MH_4004	J5	836	0.015	Rectangular	3.67	8.00	102.8	126.9	150.6	171.2

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Zone 5 East Existing Pipes

Link ID*	From Node	To Node	County Grid #	Length (ft)	Manning's N	Shape	Max Depth (ft)	Bottom Width (ft)	Max Q (cfs)			
									5Yr	10Yr	25Yr	100Yr
Z5_PIPE_2391	Z5_MH_4149	Z5_CB_563	J5	14	0.015	Circular	5.00	-	82.5	99.0	114.1	125.7
Z5_PIPE_2392	Z5_CB_563	Z5_MH_5120	J5	86	0.015	Circular	3.50	-	82.5	99.1	114.1	125.7
Z5_PIPE_2393	Z5_CB_561	Z5_MH_5120	J5	5	0.015	Circular	2.50	-	25.2	30.5	37.5	46.9
Z5_PIPE_2394	Z5_CB_639	Z5_MH_4148	J5	138	0.015	Circular	2.50	-	23.9	28.9	35.6	44.4
Z5_PIPE_2396	Z5_MH_4148	Z5_CB_561	J5	26	0.015	Circular	2.50	-	23.9	28.9	35.6	44.4
Z5_PIPE_2398	Z5_IL_3539	Z5_MH_4275	K4	5	0.015	Circular	1.00	-	1.5	1.8	2.2	2.8
Z5_PIPE_2399	Z5_MH_4274	Z5_MH_5119	K4	731	0.015	Circular	2.50	-	10.6	13.0	16.2	20.1
Z5_PIPE_2400	Z5_MH_4337	Z5_MH_4274	K4	201	0.015	Circular	1.50	-	6.1	7.3	8.9	11.2
Z5_PIPE_2401	Z5_IL_2479	Z5_MH_5271	K5	9	0.015	Circular	1.00	-	5.8	7.5	9.7	12.1
Z5_PIPE_2402	Z5_IL_3118	Z5_MH_4136	K5	41	0.015	Circular	1.00	-	4.4	5.8	6.3	5.8
Z5_PIPE_2403	Z5_MH_4136	Z5_MH_3927	K5	273	0.015	Circular	1.50	-	10.2	11.3	13.2	15.8
Z5_PIPE_2404	Z5_IL_2799	Z5_MH_3927	K5	43	0.015	Circular	1.00	-	1.4	4.4	3.8	4.0
Z5_PIPE_2405	Z5_IL_2800	Z5_MH_3927	K5	47	0.015	Circular	1.00	-	2.5	6.0	5.5	7.4
Z5_PIPE_2406	Z5_MH_3927	Z5_MH_3926	K5	321	0.015	Circular	2.00	-	13.7	14.8	16.2	20.7
Z5_PIPE_2407	Z5_MH_3926	Z5_MH_4134	K5	129	0.015	Circular	2.25	-	17.8	20.3	21.0	24.9
Z5_PIPE_2408	Z5_MH_4133	Z5_MH_4002	K5	86	0.015	Circular	2.50	-	28.1	32.3	35.0	35.2
Z5_PIPE_2409	Z5_IL_2796	Z5_IL_2797	K5	30	0.015	Circular	1.00	-	3.0	4.9	6.3	5.2
Z5_PIPE_241	Z5_IL_2881	Z5_OF_4409	O4	39	0.015	Circular	1.50	-	12.3	15.3	18.2	20.5
Z5_PIPE_2410	Z5_IL_2797	Z5_MH_3926	K5	38	0.015	Circular	1.25	-	3.5	5.7	7.2	6.5
Z5_PIPE_2411	Z5_IL_2798	Z5_MH_4134	K5	17	0.015	Circular	1.00	-	3.3	5.3	6.2	5.7
Z5_PIPE_2412	Z5_CB_506	Z5_MH_4133	K5	127	0.015	Circular	1.00	-	3.2	4.0	5.1	4.8
Z5_PIPE_2413	Z5_IL_2791	Z5_IL_2792	K5	246	0.015	Circular	1.00	-	3.8	4.0	4.6	4.7
Z5_PIPE_2414	Z5_IL_2792	Z5_CB_507	K5	125	0.015	Circular	1.25	-	3.8	4.0	6.2	4.7
Z5_PIPE_2415	Z5_CB_507	Z5_MH_4133	K5	159	0.024	Circular	2.00	-	4.9	5.7	6.5	6.6
Z5_PIPE_2416	Z5_MH_4002	Z5_IL_3533	K5	406	0.015	Circular	2.50	-	28.1	31.3	34.8	35.2
Z5_PIPE_2417	Z5_IL_1018	Z5_MH_4134	K5	21	0.015	Circular	1.00	-	1.0	1.6	2.6	2.8
Z5_PIPE_2419	Z5_IL_3117	Z5_IL_3540	K5	33	0.015	Circular	1.00	-	6.5	7.4	8.2	10.5
Z5_PIPE_242	Z5_IL_2898	Z5_MH_3940	N4	39	0.015	Circular	1.00	-	0.8	1.0	3.1	2.7
Z5_PIPE_2420	Z5_IL_3540	Z5_MH_4136	K5	51	0.015	Circular	1.00	-	6.5	7.7	9.7	8.7
Z5_PIPE_243	Z5_IL_2897	Z5_MH_3941	N4	161	0.015	Circular	1.50	-	4.6	6.3	7.6	8.4
Z5_PIPE_244	Z5_IL_2891	Z5_IL_2894	N4	331	0.015	Circular	1.00	-	0.7	0.9	2.6	2.5
Z5_PIPE_245	Z5_IL_2894	Z5_IL_2895	N4	57	0.015	Circular	1.00	-	2.3	3.1	6.5	4.8
Z5_PIPE_2455	Z5_MH_3989	Z5_MH_3990	H5	336	0.015	Circular	2.00	-	6.7	8.7	11.3	15.3
Z5_PIPE_2456	Z5_MH_3990	Z5_MH_3991	H5	104	0.015	Circular	2.00	-	19.6	23.8	29.5	37.9
Z5_PIPE_2457	Z5_MH_3991	Z5_OF_4419	H5	65	0.015	Circular	2.00	-	19.6	23.8	29.5	37.9
Z5_PIPE_2458	Z5_CB_160	Z5_CB_161	H5	31	0.015	Circular	2.00	-	0.0	0.0	0.0	0.0
Z5_PIPE_2459	Z5_CB_161	Z5_MH_3991	H5	9	0.015	Circular	2.00	-	0.0	0.0	0.0	0.0
Z5_PIPE_246	Z5_IL_2895	Z5_MH_3754	N4	59	0.015	Circular	1.25	-	2.3	3.2	5.9	5.1
Z5_PIPE_2460	Z5_MH_4028	NEW_Z5_MH_6401	H5	430	0.015	Circular	5.00	-	46.3	56.1	69.2	88.8
Z5_PIPE_2461	Z5_OF_4382	Z5_MH_4113	H5	163	0.015	Circular	3.00	-	17.8	21.6	26.7	34.2
Z5_PIPE_2462	Z5_MH_4113	Z5_CB_212	H5	42	0.015	Horizontal Ellipse	3.17	5.00	32.7	40.1	50.0	64.9
Z5_PIPE_247	Z5_IL_2899	Z5_MH_3754	N4	42	0.015	Circular	1.00	-	2.2	2.7	5.2	6.8
Z5_PIPE_2478	Z5_CB_805	Z5_CB_144	H5	12	0.015	Circular	1.50	-	2.3	2.7	3.3	4.1
Z5_PIPE_248	Z5_CB_102	Z5_CB_101	N4	66	0.024	Circular	1.00	-	1.0	1.3	1.7	2.3
Z5_PIPE_2485	Z5_MH_4282	Z5_MH_4283	H5	67	0.015	Circular	1.50	-	0.0	0.0	0.0	0.4
Z5_PIPE_2486	Z5_MH_4029	Z5_MH_4282	J5	195	0.015	Circular	1.50	-	0.0	0.0	0.0	0.0
Z5_PIPE_2487	Z5_IL_3546	Z5_IL_3547	H5	94	0.015	Circular	1.50	-	12.3	15.5	19.8	26.1
Z5_PIPE_2488	Z5_IL_3547	Z5_IL_3192	H5	74	0.015	Circular	1.50	-	21.0	25.8	32.1	41.6
Z5_PIPE_249	Z5_SGIL_4760	Z5_IL_2883	N4	39	0.015	Circular	1.00	-	2.4	3.3	4.9	4.6
Z5_PIPE_2490	NEW_Z5_MH_6405	Z5_MH_4028	H5	334	0.015	Circular	5.00	-	46.3	56.1	69.2	88.8
Z5_PIPE_2493	Z5_IL_3160	Z5_IL_3161	H5	43	0.015	Circular	2.00	-	0.0	0.0	0.0	0.0
Z5_PIPE_2499	Z5_IL_2568	Z5_MH_4284	H5	22	0.010	Circular	1.25	-	5.2	6.2	7.4	9.3
Z5_PIPE_250	Z5_IL_2883	Z5_IL_2884	N4	42	0.015	Circular	1.00	-	3.5	4.4	6.8	6.1
Z5_PIPE_2500	Z5_IL_2567	Z5_MH_4284	H5	15	0.010	Circular	1.00	-	0.0	0.0	0.0	0.0
Z5_PIPE_2501	Z5_MH_3983	Z5_MH_4284	H5	101	0.015	Circular	1.50	-	0.7	0.8	1.1	1.4
Z5_PIPE_2502	Z5_MH_4284	Z5_MH_3984	H5	158	0.015	Circular	1.75	-	5.5	6.5	7.9	9.9
Z5_PIPE_2505	Z5_IL_4954	Z5_IL_2470	J5	109	0.015	Circular	1.00	-	0.5	0.7	0.9	1.3
Z5_PIPE_2506	Z5_CB_211	Z5_IL_3244	H5	68	0.015	Circular	1.00	-	4.1	4.8	5.8	7.3
Z5_PIPE_2507	Z5_IL_3241	Z5_IL_3242	H5	62	0.015	Circular	1.50	-	4.1	4.8	5.8	7.3
Z5_PIPE_251	Z5_IL_2884	Z5_IL_2862	N4	43	0.015	Circular	1.25	-	6.5	7.9	9.2	8.8
Z5_PIPE_2510	Z5_IL_3244	Z5_IL_3241	H5	158	0.015	Circular	1.50	-	4.1	4.8	5.8	7.3
Z5_PIPE_2514	Z5_IL_3550	Z5_OF_4980	H7	64	0.015	Circular	2.50	-	1.5	1.9	2.4	3.3
Z5_PIPE_2517	Z5_IL_4890	Z5_CB_241	H7	54	0.015	Circular	1.00	-	5.1	6.8	8.5	9.8
Z5_PIPE_2518	Z5_IL_1448	Z5_OF_5004	L4	38	0.024	Circular	7.50	-	184.5	207.7	237.4	265.3
Z5_PIPE_2519	Z5_MH_3871	Z5_MH_4004	K5	16	0.015	Circular	2.50	-	21.2	24.7	28.2	34.5
Z5_PIPE_252	Z5_IL_2882	Z5_IL_2884	N4	76	0.015	Circular	1.25	-	3.0	3.9	4.6	4.6
Z5_PIPE_2521	Z5_MH_3942	Z5_IL_2881	N4	128	0.015	Circular	1.50	-	9.0	11.0	12.9	13.3
Z5_PIPE_2522	Z5_IL_3553	Z5_OF_4578	N3	63	0.015	Circular	1.00	-	3.3	4.1	5.3	7.0
Z5_PIPE_2524	Z5_IL_3557	Z5_IL_3151	G7	229	0.010	Circular	1.50	-	6.0	7.6	9.7	12.8
Z5_PIPE_2525	Z5_IL_2459	Z5_IL_3557	F7	25	0.010	Circular	1.00	-	6.0	7.6	9.7	12.8

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Zone 5 East Existing Pipes

Link ID*	From Node	To Node	County Grid #	Length (ft)	Manning's N	Shape	Max Depth (ft)	Bottom Width (ft)	Max Q (cfs)			
									5Yr	10Yr	25Yr	100Yr
Z5_PIPE_2526	Z5_MH_4296	Z5_CB_861	J5	94	0.015	Circular	2.00	-	3.5	4.2	5.2	6.6
Z5_PIPE_253	Z5_IL_2862	Z5_IL_938	N4	169	0.015	Circular	1.25	-	6.7	8.2	8.6	9.0
Z5_PIPE_254	Z5_IL_938	Z5_OF_4418	N4	56	0.015	Circular	1.25	-	7.1	8.8	9.7	10.4
Z5_PIPE_255	Z5_IL_3115	Z5_CB_103	N4	49	0.015	Circular	1.00	-	3.0	4.0	5.1	5.6
Z5_PIPE_2558	Z5_IL_4957	Z5_IL_3226	L4	285	0.015	Circular	5.50	-	163.0	168.7	180.5	195.7
Z5_PIPE_256	Z5_CB_103	Z5_IL_2882	N4	133	0.015	Circular	1.25	-	3.0	3.9	6.7	7.1
Z5_PIPE_2562	Z5_IL_156	Z5_CB_155	J5	48	0.015	Circular	1.75	-	14.7	18.8	22.1	22.6
Z5_PIPE_2563	Z5_CB_155	Z5_MH_3995	J5	125	0.015	Circular	1.75	-	20.6	22.8	23.9	25.4
Z5_PIPE_2564	Z5_MH_3995	Z5_MH_4307	J5	355	0.015	Circular	1.75	-	20.6	22.6	23.5	25.4
Z5_PIPE_257	Z5_MH_4919	Z5_IL_2881	N4	23	0.015	Circular	1.00	-	3.4	4.4	5.7	7.2
Z5_PIPE_2583	Z5_IL_2868	Z5_OF_5010	N3	194	0.015	Circular	1.00	-	8.4	9.5	10.8	12.7
Z5_PIPE_2584	Z5_CB_53	Z5_OF_4580	N4	72	0.024	Circular	1.00	-	1.1	1.5	1.9	2.6
Z5_PIPE_2585	Z5_MH_3766	Z5_MH_3761	M5	123	0.015	Circular	1.25	-	4.5	5.8	6.5	7.1
Z5_PIPE_2607	Z5_IL_2777	Z5_IL_2776	L5	28	0.024	Circular	1.00	-	0.7	0.8	1.0	1.3
Z5_PIPE_2608	Z5_IL_2776	Z5_MH_5123	L5	87	0.024	Circular	1.00	-	0.7	0.8	1.0	1.3
Z5_PIPE_2609	Z5_IL_2778	Z5_MH_5123	L5	129	0.024	Circular	1.00	-	7.2	8.1	9.4	10.9
Z5_PIPE_261	Z5_IL_2917	Z5_MH_3944	N4	100	0.015	Circular	1.00	-	1.9	2.4	3.0	3.5
Z5_PIPE_2610	Z5_IL_1121	Z5_IL_1063	L4	43	0.015	Circular	2.50	-	11.4	15.2	20.8	27.5
Z5_PIPE_2611	Z5_CB_503	Z5_IL_1121	L4	124	0.015	Circular	2.25	-	10.0	13.1	17.2	22.8
Z5_PIPE_2612	Z5_MH_4154	Z5_MH_4132	K5	105	0.015	Circular	2.00	-	4.9	6.7	9.0	12.7
Z5_PIPE_2613	Z5_MH_4153	Z5_MH_4154	K5	163	0.015	Circular	1.75	-	4.9	6.7	9.0	12.7
Z5_PIPE_2615	Z5_CB_47	Z5_MH_4153	K5	84	0.015	Circular	1.75	-	3.8	5.3	7.2	10.0
Z5_PIPE_262	Z5_IL_2914	Z5_IL_2917	N4	49	0.015	Circular	1.00	-	1.9	2.4	3.0	3.5
Z5_PIPE_263	Z5_IL_2915	Z5_IL_2914	N4	18	0.015	Circular	1.00	-	1.2	1.5	1.9	2.4
Z5_PIPE_2633	Z5_IL_3272	Z5_MH_4113	H5	260	0.015	Circular	2.50	-	15.7	19.5	24.5	32.0
Z5_PIPE_264	Z5_IL_2913	Z5_IL_2914	N4	47	0.015	Circular	1.00	-	0.7	0.9	1.2	1.7
Z5_PIPE_2649	Z5_CB_637	Z5_MH_4296	J5	47	0.015	Circular	1.00	-	2.1	2.5	3.0	3.8
Z5_PIPE_2650	Z5_CB_860	Z5_MH_4296	J5	13	0.015	Circular	1.00	-	1.5	1.8	2.2	2.8
Z5_PIPE_2651	Z5_CB_862	Z5_CB_861	J5	42	0.015	Circular	2.00	-	8.5	10.4	13.0	17.4
Z5_PIPE_2653	Z5_CB_857	Z5_CB_856	J5	37	0.015	Circular	1.00	-	9.0	10.8	10.9	12.0
Z5_PIPE_2654	Z5_CB_854	Z5_CB_855	J5	38	0.015	Circular	1.00	-	2.8	3.4	4.0	5.0
Z5_PIPE_2655	Z5_CB_856	Z5_CB_855	J5	253	0.015	Circular	1.50	-	9.1	10.3	10.9	12.0
Z5_PIPE_2656	Z5_CB_855	Z5_CB_866	J5	59	0.015	Circular	2.00	-	11.3	13.6	14.4	15.8
Z5_PIPE_2657	Z5_CB_883	Z5_CB_852	J5	159	0.024	Arch	42.00	29.00	14.3	17.3	18.8	20.2
Z5_PIPE_2667	Z5_CB_154	Z5_CB_564	J5	80	0.010	Circular	1.00	-	3.9	4.8	6.1	6.7
Z5_PIPE_2668	Z5_CB_564	Z5_MH_4155	J5	53	0.010	Circular	1.00	-	3.8	4.8	6.1	6.7
Z5_PIPE_2669	Z5_MH_4306	Z5_CB_866	J5	256	0.015	Circular	1.00	-	4.1	4.5	4.6	4.7
Z5_PIPE_2675	Z5_MH_4134	Z5_MH_4133	K5	349	0.015	Circular	2.25	-	21.6	24.4	26.2	26.7
Z5_PIPE_2676	Z5_CB_866	Z5_CB_883	J5	119	0.015	Circular	2.00	-	14.7	17.8	19.0	20.5
Z5_PIPE_2677	Z5_IL_3576	Z5_MH_4151	J5	11	0.015	Circular	1.00	-	3.2	4.0	4.9	6.4
Z5_PIPE_2678	Z5_IL_3577	Z5_MH_4150	J5	52	0.015	Circular	1.00	-	0.0	0.0	0.0	0.0
Z5_PIPE_268	Z5_IL_2912	Z5_IL_2913	N4	140	0.015	Circular	1.00	-	0.7	0.9	1.2	1.7
Z5_PIPE_269	Z5_IL_2910	Z5_IL_2912	N4	64	0.015	Circular	1.00	-	0.7	0.9	1.2	1.7
Z5_PIPE_2697	Z5_IL_2890	Z5_OF_5567	M4	61	0.015	Circular	1.00	-	3.2	4.1	5.2	6.9
Z5_PIPE_2698	Z5_IL_2624	Z5_OF_4970	G7	74	0.015	Circular	1.25	-	3.2	4.1	5.2	6.9
Z5_PIPE_270	Z5_IL_2911	Z5_IL_2910	N4	27	0.015	Circular	1.00	-	0.0	0.0	0.0	0.6
Z5_PIPE_2705	Z5_IL_1478	Z5_IL_3608	H7	294	0.015	Circular	2.00	-	17.1	22.4	27.1	31.1
Z5_PIPE_2709	Z5_IL_3585	Z5_CB_846	J5	40	0.015	Circular	2.00	-	3.0	3.7	4.5	5.8
Z5_PIPE_271	Z5_IL_2905	Z5_IL_2904	M4	7	0.015	Circular	1.00	-	0.0	0.0	0.0	0.5
Z5_PIPE_2710	Z5_CB_846	Z5_CB_862	J5	71	0.015	Circular	2.00	-	6.5	8.1	10.1	13.2
Z5_PIPE_272	Z5_IL_2903	Z5_IL_2904	M4	9	0.015	Circular	1.00	-	0.0	0.0	0.0	0.4
Z5_PIPE_273	Z5_IL_2904	Z5_IL_2907	M4	47	0.015	Circular	1.00	-	0.0	0.0	0.0	0.5
Z5_PIPE_274	Z5_IL_2907	Z5_IL_2909	N4	105	0.015	Circular	1.00	-	0.0	0.0	0.0	0.6
Z5_PIPE_275	Z5_IL_2909	Z5_IL_2910	N4	82	0.015	Circular	1.00	-	0.7	0.9	1.2	1.7
Z5_PIPE_276	Z5_IL_2906	Z5_IL_2907	N4	16	0.015	Circular	1.00	-	0.0	0.0	0.0	0.3
Z5_PIPE_277	Z5_IL_2908	Z5_IL_2909	N4	7	0.015	Circular	1.00	-	0.7	0.9	1.2	1.7
Z5_PIPE_278	Z5_IL_2873	Z5_MH_3935	M4	32	0.015	Circular	1.00	-	0.6	0.8	1.0	1.3
Z5_PIPE_280	Z5_IL_2920	Z5_MH_3944	N4	6	0.015	Circular	1.00	-	0.0	0.0	0.0	0.2
Z5_PIPE_281	Z5_IL_2896	Z5_MH_3754	N4	83	0.015	Circular	1.00	-	0.6	0.8	3.9	3.8
Z5_PIPE_283	Z5_SGIL_4759	Z5_MH_3934	M4	35	0.015	Circular	1.00	-	0.7	0.9	4.1	2.5
Z5_PIPE_284	Z5_MH_3934	Z5_IL_2891	M4	135	0.015	Circular	1.00	-	0.7	0.9	2.7	2.5
Z5_PIPE_285	Z5_IL_2635	Z5_IL_2303	H7	23	0.015	Circular	1.00	-	2.5	3.1	3.9	5.1
Z5_PIPE_287	Z5_IL_2323	Z5_OF_4476	N4	30	0.024	Circular	1.00	-	0.0	0.0	0.0	0.0
Z5_PIPE_3014	Z5_MH_5103	Z5_MH_5102	G6	229	0.015	Circular	3.00	-	33.5	44.8	61.7	78.4
Z5_PIPE_3017	Z5_CB_852	Z5_MH_4303	J5	50	0.015	Circular	1.00	-	8.5	8.5	8.5	8.5
Z5_PIPE_3018	Z5_IL_2472	Z5_MH_4303	J5	56	0.015	Circular	5.00	-	61.9	73.2	84.1	91.5
Z5_PIPE_3019	Z5_MH_4303	Z5_MH_4151	J5	199	0.015	Circular	5.00	-	78.3	93.4	106.9	116.4
Z5_PIPE_302	Z5_MH_4327	Z5_OF_4408	M4	84	0.015	Circular	1.00	-	8.8	10.3	12.4	12.8
Z5_PIPE_3029	Z5_MH_4167	Z5_MH_4877	H5	29	0.010	Circular	1.50	-	4.0	5.1	6.4	8.2
Z5_PIPE_303	Z5_IL_2947	Z5_CB_228	M5	86	0.015	Circular	1.50	-	8.7	10.2	10.7	11.9



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Zone 5 East Existing Pipes

Link ID*	From Node	To Node	County Grid #	Length (ft)	Manning's N	Shape	Max Depth (ft)	Bottom Width (ft)	Max Q (cfs)			
									5Yr	10Yr	25Yr	100Yr
Z5_PIPE_3030	Z5_MH_4877	Z5_MH_5097	H5	198	0.015	Circular	1.50	-	4.0	5.1	6.4	8.2
Z5_PIPE_3031	Z5_MH_5097	Z5_IL_1420	H5	17	0.015	Circular	1.50	-	4.0	5.1	5.4	8.0
Z5_PIPE_304	Z5_IL_2950	Z5_IL_2949	N4	204	0.015	Circular	2.00	-	9.4	10.7	11.8	13.3
Z5_PIPE_3046	Z5_IL_2345	Z5_IL_2346	G8	77	0.015	Circular	1.00	-	1.4	1.8	2.2	2.9
Z5_PIPE_3047	Z5_IL_2346	Z5_CB_726	G8	80	0.015	Circular	1.00	-	1.4	1.8	2.2	2.9
Z5_PIPE_3049	Z5_MH_4074	Z5_OF_4994	G8	73	0.015	Circular	2.50	-	15.4	19.3	24.5	32.1
Z5_PIPE_305	Z5_IL_2948	Z5_IL_2949	N4	38	0.015	Circular	1.00	-	1.7	2.0	2.3	2.9
Z5_PIPE_3050	Z5_IL_4910	Z5_MH_4074	G8	46	0.015	Circular	2.00	-	15.3	19.3	24.5	32.1
Z5_PIPE_3051	Z5_IL_1650	Z5_MH_4074	G8	22	0.010	Circular	1.00	-	0.0	0.0	0.0	0.0
Z5_PIPE_3054	Z5_IL_3555	Z5_IL_3554	L4	30	0.015	Circular	1.00	-	5.5	1.1	0.8	1.0
Z5_PIPE_3055	Z5_IL_3554	Z5_MH_4287	L4	28	0.015	Circular	1.00	-	6.5	2.6	1.9	2.3
Z5_PIPE_3056	Z5_MH_4287	Z5_MH_4288	L4	57	0.015	Circular	1.50	-	11.4	2.6	1.9	2.9
Z5_PIPE_3057	Z5_MH_4288	Z5_MH_4263	L4	85	0.015	Circular	1.50	-	10.4	2.6	2.9	3.5
Z5_PIPE_3058	Z5_MH_4321	Z5_MH_5114	L4	45	0.015	Rectangular	2.00	6.00	82.0	85.2	75.9	69.2
Z5_PIPE_3059	Z5_IL_1936	Z5_MH_4263	L4	35	0.015	Circular	3.50	-	65.1	69.3	60.1	55.6
Z5_PIPE_306	Z5_IL_2949	Z5_OF_4438	N4	82	0.024	Circular	2.00	-	10.3	12.3	14.0	16.1
Z5_PIPE_3060	Z5_MH_5115	Z5_MH_5116	L4	14	0.015	Rectangular (open)	2.67	6.00	85.5	89.8	78.5	72.6
Z5_PIPE_3061	Z5_IL_2933	Z5_MH_5114	L4	45	0.015	Circular	1.00	-	1.3	1.5	1.5	1.6
Z5_PIPE_3062	STOR-1	Z5_IL_5117	L4	13	0.024	Circular	2.50	-	0.0	28.7	30.9	21.0
Z5_PIPE_3065	Z5_IL_2301	Z5_OF_4968	H5	94	0.015	Circular	1.25	-	9.8	9.8	9.8	11.1
Z5_PIPE_3068	Z5_MH_3754	NEW_Z5_IL_6507	N4	36	0.015	Circular	1.25	-	4.6	6.1	11.0	8.4
Z5_PIPE_307	Z5_CB_213	Z5_IL_2950	M5	121	0.015	Circular	1.75	-	9.4	10.7	11.8	13.3
Z5_PIPE_3070	Z5_IL_1196	Z5_MH_3747	M5	8	0.015	Circular	2.50	-	0.0	0.0	0.0	0.0
Z5_PIPE_3074	Z5_IL_4961	Z5_IL_2483	N3	58	0.015	Circular	1.25	-	3.0	3.8	4.9	6.6
Z5_PIPE_308	Z5_CB_228	Z5_CB_213	M5	34	0.015	Circular	1.50	-	9.4	11.5	11.8	13.3
Z5_PIPE_3083	Z5_MH_4328	Z5_IL_2613	M4	45	0.015	Circular	1.00	-	4.0	5.2	6.3	7.3
Z5_PIPE_3086	Z5_IL_3613	Z5_IL_1440	M4	37	0.015	Circular	1.00	-	1.8	2.2	2.8	3.4
Z5_PIPE_309	Z5_IL_2522	Z5_IL_2947	M5	357	0.015	Circular	1.50	-	6.6	7.5	8.3	9.5
Z5_PIPE_3106	Z5_IL_4952	Z5_MH_5113	L4	46	0.024	Circular	5.00	-	85.2	85.2	84.5	85.3
Z5_PIPE_3107	Z5_IL_2309	Z5_IL_2307	L4	367	0.024	Arch	3.67	6.00	116.2	118.5	121.7	124.2
Z5_PIPE_3108	Z5_IL_1455	Z5_MH_3794	L5	84	0.015	Circular	1.33	-	12.8	6.6	6.1	5.9
Z5_PIPE_3110	Z5_IL_5124	Z5_CB_483	L5	55	0.015	Circular	1.00	-	0.4	0.6	0.8	2.5
Z5_PIPE_3111	Z5_CB_508	Z5_IL_2932	L4	164	0.015	Circular	1.00	-	4.0	4.7	5.5	6.7
Z5_PIPE_312	Z5_CB_359	Z5_MH_4118	G8	40	0.015	Circular	1.00	-	1.5	1.9	2.3	3.0
Z5_PIPE_3123	Z5_IL_3623	Z5_MH_5116	L4	26	0.015	Circular	1.00	-	1.5	1.3	1.1	1.3
Z5_PIPE_313	Z5_CB_358	Z5_MH_4066	G8	9	0.015	Circular	1.00	-	5.4	5.7	6.5	8.3
Z5_PIPE_314	Z5_CB_101	Z5_MH_4919	N4	96	0.024	Circular	1.00	-	1.0	1.3	1.7	2.3
Z5_PIPE_3143	Z5_IL_3655	Z5_MH_4303	J5	27	0.015	Circular	1.00	-	3.1	3.7	4.6	5.9
Z5_PIPE_3145	Z5_IL_5269	Z5_IL_3585	J5	40	0.015	Circular	1.50	-	3.0	3.7	4.5	5.7
Z5_PIPE_316	Z5_MH_4127	Z5_OF_4572	L5	9	0.010	Circular	3.00	-	23.6	30.5	40.0	54.8
Z5_PIPE_3160	Z5_CB_158	Z5_IL_2471	J5	115	0.015	Circular	1.50	-	11.5	14.3	17.7	18.8
Z5_PIPE_3161	Z5_IL_3670	Z5_MH_4351	H5	19	0.015	Circular	1.00	-	2.2	2.8	3.6	3.9
Z5_PIPE_3162	Z5_IL_3669	Z5_CB_147	H5	23	0.015	Circular	1.50	-	0.8	1.0	1.2	1.5
Z5_PIPE_3163	Z5_MH_4349	Z5_CB_142	H5	34	0.015	Circular	1.25	-	3.0	3.8	13.2	14.0
Z5_PIPE_3164	Z5_MH_4350	Z5_CB_142	H5	32	0.015	Circular	1.50	-	8.7	10.5	16.6	14.1
Z5_PIPE_317	Z5_CB_106	Z5_IL_2453	L5	258	0.015	Circular	1.00	-	1.3	2.0	2.9	3.3
Z5_PIPE_318	Z5_CB_482	Z5_CB_107	L5	52	0.015	Circular	1.00	-	1.3	2.0	2.9	4.4
Z5_PIPE_3186	Z5_IL_3628	Z5_IL_3508	H7	106	0.015	Circular	1.50	-	8.1	9.5	11.4	14.3
Z5_PIPE_3187	Z5_IL_3629	Z5_IL_3508	H7	48	0.015	Circular	1.50	-	0.0	0.0	0.0	0.0
Z5_PIPE_3188	Z5_IL_4907	Z5_OF_4593	H8	82	0.015	Circular	1.50	-	0.4	0.5	0.7	1.0
Z5_PIPE_319	Z5_CB_483	Z5_CB_482	L5	53	0.015	Circular	1.00	-	0.4	0.5	0.8	3.8
Z5_PIPE_3193	Z5_IL_2639	Z5_MH_4354	G7	79	0.015	Circular	1.00	-	2.7	3.3	4.2	5.6
Z5_PIPE_3194	Z5_SGIL_4730	Z5_IL_2608	G7	63	0.015	Circular	1.50	-	1.5	1.5	2.1	2.4
Z5_PIPE_320	Z5_OF_4362	Z5_CB_483	L5	57	0.024	Circular	1.00	-	0.0	0.0	0.0	0.8
Z5_PIPE_3200	Z5_CB_70	Z5_IL_1928	G7	12	0.015	Circular	1.25	-	2.8	3.5	4.4	5.9
Z5_PIPE_3207	Z5_CB_237	Z5_IL_2543	G6	127	0.015	Circular	1.00	-	0.8	1.1	1.6	2.2
Z5_PIPE_3223	Z5_IL_3688	Z5_IL_3147	G5	126	0.015	Circular	1.25	-	2.7	3.0	3.7	2.7
Z5_PIPE_3226	Z5_IL_3692	Z5_MH_4359	G7	111	0.015	Circular	1.00	-	0.8	1.0	1.3	1.8
Z5_PIPE_3231	Z5_CB_362	Z5_CB_363	G8	70	0.015	Circular	1.00	-	4.3	4.8	4.3	2.1
Z5_PIPE_324	Z5_IL_2958	Z5_MH_3863	L5	36	0.010	Circular	1.00	-	2.6	3.5	4.8	6.6
Z5_PIPE_3240	Z5_IL_3699	Z5_IL_3201	F6	197	0.015	Circular	3.50	-	53.7	57.9	62.7	69.5
Z5_PIPE_3242	Z5_IL_3698	Z5_IL_3699	F6	189	0.015	Circular	3.50	-	50.8	54.0	57.4	62.4
Z5_PIPE_3243	Z5_IL_3697	Z5_IL_3698	F6	42	0.015	Circular	3.00	-	49.8	51.4	54.2	58.6
Z5_PIPE_3244	Z5_IL_5362	Z5_IL_3697	F6	247	0.015	Circular	2.50	-	48.3	44.6	47.3	50.8
Z5_PIPE_3245	Z5_IL_3696	Z5_IL_3697	F6	59	0.015	Circular	1.00	-	6.9	7.1	7.5	8.4
Z5_PIPE_3246	Z5_IL_5363	Z5_IL_3696	F6	41	0.015	Circular	1.00	-	6.9	8.3	8.8	10.5
Z5_PIPE_3247	Z5_IL_5364	Z5_IL_3698	F6	53	0.015	Circular	3.25	-	0.9	0.5	0.4	2.2
Z5_PIPE_3249	Z5_IL_4886	Z5_IL_3050	F6	31	0.015	Circular	1.00	-	0.9	1.4	2.0	2.9
Z5_PIPE_325	Z5_CB_109	Z5_CB_110	L5	98	0.015	Circular	1.00	-	1.3	1.8	2.2	2.7
Z5_PIPE_3250	Z5_IL_3180	Z5_IL_5085	F8	27	0.015	Circular	1.00	-	0.0	0.0	0.0	0.0

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Zone 5 East Existing Pipes

Link ID*	From Node	To Node	County Grid #	Length (ft)	Manning's N	Shape	Max Depth (ft)	Bottom Width (ft)	Max Q (cfs)			
									5Yr	10Yr	25Yr	100Yr
Z5_PIPE_3251	Z5_IL_3701	Z5_IL_3702	F8	29	0.015	Circular	1.25	-	18.2	23.8	27.0	31.5
Z5_PIPE_3253	Z5_MH_3899	Z5_IL_3170	F8	36	0.015	Circular	3.50	-	21.7	27.5	33.0	38.3
Z5_PIPE_3254	Z5_IL_2634	Z5_MH_3900	F8	31	0.015	Circular	1.00	-	0.0	0.0	0.0	0.0
Z5_PIPE_3258	Z5_IL_3711	Z5_MH_4091	F5	51	0.015	Circular	1.00	-	0.4	0.6	0.9	1.6
Z5_PIPE_326	Z5_CB_120	Z5_CB_486	L5	126	0.015	Circular	1.00	-	0.3	0.5	0.7	1.0
Z5_PIPE_3261	Z5_IL_3707	Z5_IL_2088	E6	64	0.015	Circular	1.00	-	0.6	0.9	1.3	1.9
Z5_PIPE_3262	Z5_IL_4885	Z5_MH_4111	E6	20	0.015	Circular	3.00	-	8.6	12.0	16.3	23.9
Z5_PIPE_3263	Z5_IL_3086	Z5_MH_4360	E6	3	0.015	Rectangular	1.00	1.00	0.3	0.5	0.7	1.1
Z5_PIPE_3264	Z5_IL_4911	Z5_MH_4236	E6	13	0.015	Circular	1.25	-	4.7	6.5	7.6	8.9
Z5_PIPE_327	Z5_CB_58	Z5_IL_2485	M5	59	0.015	Circular	1.00	-	0.3	0.5	0.7	1.0
Z5_PIPE_3271	Z5_IL_2147	Z5_MH_3825	J8	40	0.015	Circular	1.00	-	1.1	1.4	1.8	2.4
Z5_PIPE_3277	Z5_MH_5100	NEW_Z5_MH_6021	G6	241	0.015	Rectangular	3.00	5.00	115.3	134.2	159.2	185.3
Z5_PIPE_3278	Z5_MH_4354	Z5_OF_4982	G7	117	0.015	Circular	1.00	-	2.7	3.3	4.2	5.6
Z5_PIPE_3279	Z5_CB_347	Z5_OF_4993	G8	60	0.015	Circular	1.00	-	1.0	1.3	1.6	2.1
Z5_PIPE_328	Z5_IL_2486	Z5_IL_2484	M5	54	0.015	Circular	1.00	-	1.3	1.8	2.2	2.5
Z5_PIPE_3282	Z5_IL_3169	Z5_IL_2640	H7	30	0.015	Circular	0.83	-	4.1	5.3	6.9	7.5
Z5_PIPE_3283	Z5_IL_2627	Z5_IL_3169	H7	88	0.015	Circular	0.83	-	0.8	1.1	1.4	2.0
Z5_PIPE_3284	Z5_IL_2640	Z5_OF_4453	H7	29	0.015	Circular	0.83	-	4.1	5.3	6.9	7.5
Z5_PIPE_3285	Z5_IL_4997	Z5_IL_3636	H5	123	0.015	Rectangular	3.00	5.00	115.0	135.4	167.9	196.7
Z5_PIPE_3286	Z5_IL_2003	Z5_OF_4400	H6	155	0.015	Circular	0.67	-	0.8	1.0	1.3	1.7
Z5_PIPE_3287	Z5_IL_2011	Z5_OF_4974	H6	124	0.015	Circular	0.67	-	1.6	1.7	1.8	2.1
Z5_PIPE_3288	Z5_IL_3027	Z5_OF_4988	H7	5	0.015	Circular	1.50	-	2.8	3.0	3.4	3.8
Z5_PIPE_329	Z5_CB_105	Z5_IL_2484	M5	53	0.015	Circular	1.00	-	0.4	0.6	0.8	1.1
Z5_PIPE_3290	Z5_IL_3113	Z5_SGMH_4849	N4	127	0.015	Circular	2.00	-	12.0	14.9	18.2	20.2
Z5_PIPE_3291	Z5_CB_104	Z5_MH_4919	N4	144	0.015	Circular	1.00	-	1.9	2.4	2.9	3.5
Z5_PIPE_3292	Z5_CB_519	Z5_IL_2871	N4	6	0.015	Circular	1.00	-	0.0	0.0	0.0	0.0
Z5_PIPE_3293	Z5_IL_2935	Z5_IL_4925	L4	78	0.015	Circular	1.00	-	0.6	2.1	3.4	3.7
Z5_PIPE_3294	Z5_IL_4925	Z5_CB_504	L4	38	0.015	Circular	1.25	-	0.6	2.1	3.5	5.9
Z5_PIPE_330	Z5_IL_2484	Z5_IL_2485	M5	48	0.015	Circular	1.25	-	1.5	2.1	2.7	3.1
Z5_PIPE_3301	Z5_MH_3747	Z5_OF_5006	M5	37	0.015	Circular	2.50	-	23.9	26.7	30.5	34.8
Z5_PIPE_3307	Z5_MH_3873	Z5_MH_4269	K5	375	0.015	Rectangular	4.00	8.00	158.7	192.2	225.9	263.0
Z5_PIPE_331	Z5_IL_2485	Z5_OF_4571	M5	127	0.015	Circular	1.25	-	2.2	3.0	3.9	4.8
Z5_PIPE_3324	Z5_MH_4266	Z5_IL_3526	L5	71	0.015	Circular	1.33	-	12.8	6.4	6.2	6.2
Z5_PIPE_3325	Z5_MH_4267	Z5_MH_4266	L5	127	0.015	Circular	1.33	-	10.6	6.6	6.8	7.1
Z5_PIPE_3326	Z5_MH_5122	Z5_MH_4268	L5	124	0.015	Circular	1.33	-	9.4	6.2	6.3	6.7
Z5_PIPE_3327	Z5_MH_4268	Z5_MH_4267	L5	132	0.015	Circular	1.33	-	10.3	5.9	6.0	6.3
Z5_PIPE_333	Z5_CB_504	Z5_CB_505	L4	97	0.015	Circular	2.75	-	15.3	20.1	26.8	33.7
Z5_PIPE_334	Z5_CB_505	Z5_OF_4443	K5	100	0.015	Circular	2.75	-	16.9	22.2	29.5	36.8
Z5_PIPE_335	Z5_IL_1224	Z5_MH_3756	N4	21	0.015	Circular	1.25	-	0.5	0.6	0.9	2.4
Z5_PIPE_3358	Z5_CB_4917	Z5_MH_4924	K5	13	0.010	Circular	5.00	-	250.5	188.4	202.7	200.5
Z5_PIPE_3359	Z5_MH_4924	Z5_MH_4923	K5	156	0.010	Circular	5.00	-	161.0	164.6	157.7	153.3
Z5_PIPE_336	Z5_IL_1223	Z5_IL_1221	N4	22	0.015	Circular	1.00	-	0.5	0.7	0.9	1.3
Z5_PIPE_3360	Z5_MH_4923	Z5_IL_5117	L4	194	0.015	Circular	5.00	-	153.2	165.6	152.2	145.5
Z5_PIPE_337	Z5_MH_3757	Z5_IL_1222	N4	197	0.015	Circular	1.75	-	7.5	9.2	10.7	11.4
Z5_PIPE_338	Z5_IL_1232	Z5_MH_3757	N4	79	0.015	Circular	1.00	-	0.8	1.0	1.6	2.3
Z5_PIPE_339	Z5_CB_543	Z5_MH_3757	N4	32	0.015	Circular	1.50	-	6.8	8.3	9.4	10.0
Z5_PIPE_340	Z5_CB_545	Z5_IL_1234	N4	72	0.015	Circular	1.50	-	6.1	7.4	8.2	9.1
Z5_PIPE_341	Z5_IL_1233	Z5_IL_1232	N4	23	0.015	Circular	1.00	-	0.8	1.2	1.6	4.0
Z5_PIPE_342	Z5_IL_1235	Z5_CB_545	N4	24	0.015	Circular	1.00	-	0.6	0.8	2.2	2.6
Z5_PIPE_343	Z5_IL_1246	Z5_SGMH_4850	N4	18	0.015	Circular	1.50	-	5.8	7.7	10.0	11.6
Z5_PIPE_344	Z5_IL_1247	Z5_IL_1246	N4	276	0.015	Circular	1.50	-	5.8	7.7	10.0	11.6
Z5_PIPE_345	Z5_MH_3759	Z5_IL_1264	N4	194	0.015	Circular	1.50	-	5.7	7.5	7.8	8.0
Z5_PIPE_346	Z5_IL_1264	Z5_IL_1262	N4	143	0.015	Circular	1.50	-	6.4	8.3	8.9	9.5
Z5_PIPE_347	Z5_IL_1262	Z5_IL_1260	N4	212	0.015	Circular	1.50	-	6.8	8.9	9.6	10.5
Z5_PIPE_348	Z5_IL_1261	Z5_IL_1260	N4	49	0.015	Circular	1.00	-	0.9	1.2	1.5	2.1
Z5_PIPE_349	Z5_IL_1266	Z5_MH_3759	N4	5	0.015	Circular	1.50	-	0.1	0.3	0.3	0.2
Z5_PIPE_350	Z5_IL_1268	Z5_MH_3760	N4	23	0.015	Circular	1.00	-	0.0	0.0	1.0	0.1
Z5_PIPE_351	Z5_IL_1269	Z5_MH_3761	M5	10	0.015	Circular	1.00	-	0.5	0.7	3.0	1.2
Z5_PIPE_352	Z5_IL_1281	Z5_IL_1270	M4	24	0.015	Circular	1.00	-	0.4	0.7	4.5	2.2
Z5_PIPE_353	Z5_IL_1282	Z5_MH_3766	M4	31	0.015	Circular	1.00	-	1.1	1.8	5.5	3.8
Z5_PIPE_354	Z5_IL_1289	Z5_SGMH_4850	N4	32	0.015	Circular	1.00	-	0.6	0.8	1.1	1.5
Z5_PIPE_355	Z5_SGMH_4850	Z5_OF_4506	N4	85	0.015	Circular	1.50	-	14.5	19.1	23.3	27.2
Z5_PIPE_356	Z5_MH_3767	Z5_SGMH_4850	N4	150	0.015	Circular	1.75	-	7.4	9.8	11.1	12.4
Z5_PIPE_372	Z5_IL_2452	Z5_MH_3861	L5	19	0.015	Circular	1.00	-	1.1	1.6	2.1	2.9
Z5_PIPE_373	Z5_IL_2451	Z5_MH_3861	L5	22	0.015	Circular	1.00	-	0.4	0.6	0.9	1.3
Z5_PIPE_374	Z5_MH_3861	Z5_MH_3862	M5	142	0.015	Circular	3.50	-	18.3	22.9	29.4	39.2
Z5_PIPE_375	Z5_MH_3862	Z5_MH_3864	L5	161	0.015	Circular	3.50	-	19.6	24.8	32.1	43.1
Z5_PIPE_377	Z5_IL_2454	Z5_IL_2954	L5	58	0.015	Circular	2.50	-	0.6	0.9	1.3	1.9
Z5_PIPE_378	Z5_IL_2954	Z5_IL_2453	M5	155	0.015	Circular	2.50	-	0.6	0.9	1.3	1.9
Z5_PIPE_379	Z5_MH_3863	Z5_SGMH_4865	L5	78	0.015	Circular	3.50	-	21.6	27.7	36.0	48.5

\*The term "NEW" in a Link ID does not reflect the age or condition of the actual link. It is modeling nomenclature only.

Zone 5 East Existing Pipes

Link ID*	From Node	To Node	County Grid #	Length (ft)	Manning's N	Shape	Max Depth (ft)	Bottom Width (ft)	Max Q (cfs)			
									5Yr	10Yr	25Yr	100Yr
Z5_PIPE_380	Z5_IL_2453	Z5_SGMH_4865	L5	39	0.015	Circular	2.50	-	1.9	2.9	4.2	5.1
Z5_PIPE_381	Z5_MH_3864	Z5_MH_3863	L5	186	0.015	Circular	3.50	-	19.6	24.8	32.1	43.1
Z5_PIPE_382	Z5_CB_57	Z5_SGMH_4865	L5	113	0.015	Circular	1.00	-	1.0	1.4	2.0	2.8
Z5_PIPE_383	Z5_MH_5123	Z5_OF_4385	L5	26	0.015	Circular	2.00	-	11.6	13.5	16.2	20.1
Z5_PIPE_384	Z5_OF_4385	Z5_MH_3865	L5	28	0.015	Circular	2.50	-	11.6	13.5	16.2	20.1
Z5_PIPE_385	Z5_MH_3865	Z5_IL_2455	L5	105	0.015	Circular	2.50	-	11.6	13.5	16.2	20.1
Z5_PIPE_386	Z5_IL_2455	Z5_MH_3866	L5	8	0.015	Circular	2.50	-	11.9	14.0	16.9	21.1
Z5_PIPE_387	Z5_MH_3866	Z5_MH_3834	L5	270	0.015	Circular	3.00	-	13.1	15.7	19.3	24.5
Z5_PIPE_388	Z5_MH_3834	Z5_MH_3835	L5	66	0.015	Circular	3.00	-	13.9	16.9	20.8	26.7
Z5_PIPE_389	Z5_MH_3835	Z5_MH_3836	L5	190	0.015	Circular	3.00	-	13.9	16.9	20.8	26.7
Z5_PIPE_390	Z5_IL_2273	Z5_MH_3837	L5	20	0.015	Circular	1.00	-	1.9	2.5	3.3	4.8
Z5_PIPE_391	Z5_MH_3838	Z5_MH_3837	L5	24	0.015	Circular	1.00	-	0.7	1.1	1.6	2.3
Z5_PIPE_392	Z5_MH_3837	Z5_MH_3861	L5	143	0.015	Circular	3.50	-	16.8	20.9	26.5	35.1
Z5_PIPE_393	Z5_MH_3836	Z5_MH_3837	L5	236	0.015	Circular	3.50	-	14.9	18.2	22.8	29.6
Z5_PIPE_394	Z5_IL_2274	Z5_MH_3838	L5	23	0.024	Circular	1.00	-	0.7	1.1	1.6	2.3
Z5_PIPE_396	Z5_IL_2179	Z5_IL_2181	K4	31	0.015	Circular	1.50	-	2.1	2.9	3.9	5.5
Z5_PIPE_403	Z5_IL_1063	Z5_CB_504	L4	169	0.015	Circular	2.75	-	12.8	17.1	23.3	30.7
Z5_PIPE_404	Z5_IL_1064	Z5_IL_1063	L4	40	0.015	Circular	1.25	-	1.0	1.5	2.0	2.3
Z5_PIPE_411	Z5_IL_1181	Z5_IL_1182	M5	118	0.015	Circular	1.50	-	4.1	4.9	6.0	7.7
Z5_PIPE_413	Z5_IL_1434	Z5_MH_4124	L4	26	0.015	Circular	1.00	-	0.0	0.0	0.0	0.0
Z5_PIPE_414	Z5_IL_1439	Z5_MH_3782	M4	36	0.015	Circular	1.00	-	0.9	1.0	1.9	1.9
Z5_PIPE_415	Z5_IL_1441	Z5_MH_3789	M4	24	0.015	Circular	1.00	-	1.4	1.7	2.0	2.6
Z5_PIPE_416	Z5_IL_1444	Z5_MH_3783	L5	39	0.015	Circular	1.00	-	2.9	0.8	1.0	1.3
Z5_PIPE_417	Z5_IL_1447	Z5_IL_1448	L4	69	0.024	Circular	6.00	-	144.9	154.9	168.2	184.3
Z5_PIPE_418	Z5_IL_1435	Z5_MH_3786	M4	52	0.015	Circular	1.00	-	2.3	2.8	3.5	4.9
Z5_PIPE_419	Z5_IL_3109	Z5_MH_3786	M4	63	0.015	Circular	1.00	-	1.4	1.7	2.2	2.9
Z5_PIPE_420	Z5_IL_1440	Z5_MH_3788	M4	80	0.015	Circular	1.00	-	1.8	2.2	2.8	3.4
Z5_PIPE_421	Z5_IL_1450	Z5_MH_3788	M4	12	0.015	Circular	1.00	-	1.0	1.2	1.4	2.4
Z5_PIPE_422	Z5_IL_1442	Z5_MH_3790	M4	29	0.015	Circular	3.00	-	19.9	24.2	30.2	38.4
Z5_PIPE_423	Z5_IL_1443	Z5_MH_3790	M4	98	0.015	Circular	1.00	-	2.5	3.1	3.9	4.7
Z5_PIPE_424	Z5_IL_1453	Z5_MH_3793	L5	42	0.015	Circular	1.00	-	5.2	4.4	4.2	5.3
Z5_PIPE_425	Z5_MH_3794	Z5_MH_3793	L5	72	0.015	Circular	1.67	-	12.2	7.6	6.8	6.6
Z5_PIPE_426	Z5_IL_1454	Z5_MH_3794	L5	39	0.015	Circular	1.25	-	6.5	2.4	1.1	1.1
Z5_PIPE_427	Z5_IL_3526	Z5_IL_1455	L5	36	0.015	Circular	1.33	-	12.4	6.5	6.1	6.0
Z5_PIPE_428	Z5_IL_1480	Z5_IL_1479	H7	29	0.015	Circular	1.50	-	0.0	0.6	2.1	10.3
Z5_PIPE_43	Z5_IL_2610	Z5_MH_3896	G7	65	0.015	Circular	1.25	-	7.6	5.5	6.6	5.5
Z5_PIPE_432	Z5_IL_1479	Z5_IL_1478	G7	35	0.015	Circular	1.50	-	0.0	0.6	2.2	14.9
Z5_PIPE_433	Z5_MH_3768	Z5_MH_3767	N4	109	0.015	Circular	1.75	-	7.4	9.8	11.1	12.4
Z5_PIPE_434	Z5_IL_1260	Z5_MH_3768	N4	87	0.015	Circular	1.75	-	7.4	9.8	11.1	12.4
Z5_PIPE_44	Z5_IL_1928	Z5_IL_2610	G7	102	0.015	Circular	2.00	-	6.4	6.6	10.2	6.9
Z5_PIPE_441	Z5_SGIL_4696	Z5_MH_3885	H6	64	0.015	Circular	1.00	-	0.6	0.8	1.1	1.6
Z5_PIPE_4434	Z5_MH_5573	Z5_MH_3747	M5	11	0.015	Circular	2.50	-	10.9	11.3	11.9	12.7
Z5_PIPE_4435	Z5_MH_3748	Z5_MH_3747	M5	100	0.015	Circular	2.50	-	12.4	14.7	17.8	21.0
Z5_PIPE_45	Z5_IL_1477	Z5_IL_2611	G7	159	0.015	Circular	1.50	-	13.1	13.1	13.6	14.4
Z5_PIPE_453	Z5_IL_2646	Z5_IL_2648	E5	80	0.010	Circular	1.00	-	1.2	1.8	2.5	3.7
Z5_PIPE_454	Z5_IL_2641	Z5_SGIL_4737	E5	28	0.010	Circular	1.25	-	1.7	2.6	3.8	5.5
Z5_PIPE_455	Z5_SGIL_4737	Z5_OF_4975	E5	173	0.010	Circular	1.25	-	1.7	2.6	3.8	5.5
Z5_PIPE_46	Z5_MH_3896	Z5_IL_1477	G7	62	0.015	Circular	1.50	-	15.8	15.1	17.1	17.4
Z5_PIPE_47	Z5_IL_2611	Z5_IL_2608	G7	101	0.015	Circular	1.50	-	13.1	13.1	13.6	14.4
Z5_PIPE_473	Z5_IL_2425	Z5_IL_2426	N4	24	0.015	Circular	1.00	-	1.0	1.4	1.8	2.5
Z5_PIPE_474	Z5_IL_2426	Z5_IL_2427	N4	39	0.010	Circular	1.00	-	1.0	1.4	1.8	2.5
Z5_PIPE_475	Z5_IL_2427	Z5_MH_3858	N4	107	0.010	Circular	1.50	-	1.0	1.4	1.8	2.5
Z5_PIPE_476	Z5_IL_3551	Z5_MH_5107	N3	271	0.015	Circular	1.50	-	3.6	4.8	6.3	8.6
Z5_PIPE_4871	Z5_MH_4156	Z5_MH_5573	M5	161	0.015	Circular	1.67	-	10.9	11.3	11.9	12.7
Z5_PIPE_490	Z5_IL_2276	Z5_IL_2451	L5	35	0.024	Circular	1.00	-	0.4	0.6	0.9	1.3
Z5_PIPE_491	Z5_IL_2303	Z5_MH_3845	H7	7	0.015	Circular	1.25	-	2.5	3.1	3.9	5.1
Z5_PIPE_492	Z5_MH_3845	Z5_IL_2304	H7	130	0.015	Circular	1.25	-	2.5	3.1	3.9	5.1
Z5_PIPE_493	Z5_IL_2304	Z5_IL_2305	H7	50	0.015	Circular	1.25	-	2.5	3.1	3.9	5.1
Z5_PIPE_494	Z5_IL_2305	Z5_OF_4470	H7	87	0.015	Circular	1.50	-	4.7	5.9	7.7	10.2
Z5_PIPE_495	Z5_IL_4951	Z5_MH_5111	M4	29	0.024	Circular	1.00	-	1.6	1.9	2.3	2.1
Z5_PIPE_496	Z5_IL_2306	Z5_MH_5110	M4	56	0.024	Circular	1.00	-	1.9	2.2	1.9	2.3
Z5_PIPE_498	Z5_MH_5111	Z5_MH_5110	M5	157	0.024	Arch	3.67	6.00	120.2	123.4	127.5	132.5
Z5_PIPE_499	Z5_IL_2463	Z5_IL_2462	M5	38	0.024	Circular	1.00	-	2.1	1.8	2.2	2.3
Z5_PIPE_50	Z5_CB_615	Z5_IL_3271	H5	61	0.015	Circular	2.50	-	15.4	19.1	24.0	31.3
Z5_PIPE_503	Z5_CB_148	Z5_IL_2470	H5	287	0.015	Circular	4.00	-	23.2	27.9	30.7	32.9
Z5_PIPE_504	Z5_IL_2470	Z5_IL_2471	J5	119	0.015	Circular	4.00	-	23.5	28.3	31.6	34.1
Z5_PIPE_505	Z5_IL_2471	Z5_IL_5558	J5	404	0.015	Circular	4.50	-	37.1	45.1	51.6	56.3
Z5_PIPE_51	Z5_IL_3271	Z5_IL_3272	H5	33	0.015	Circular	2.50	-	15.4	19.1	24.0	31.4
Z5_PIPE_510	Z5_IL_2483	Z5_OF_5566	N3	50	0.010	Circular	1.25	-	3.0	3.8	4.9	6.6
Z5_PIPE_511	Z5_IL_2181	Z5_CB_45	K5	22	0.015	Circular	1.75	-	3.8	5.2	7.1	10.1

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## Zone 5 East Existing Pipes

Link ID*	From Node	To Node	County Grid #	Length (ft)	Manning's N	Shape	Max Depth (ft)	Bottom Width (ft)	Max Q (cfs)			
									5Yr	10Yr	25Yr	100Yr
Z5_PIPE_512	Z5_CB_45	Z5_IL_2177	K4	112	0.015	Circular	1.75	-	3.8	5.2	7.1	10.0
Z5_PIPE_513	Z5_IL_2177	Z5_CB_46	K4	55	0.015	Circular	1.75	-	3.8	5.2	7.1	10.0
Z5_PIPE_515	Z5_CB_46	Z5_CB_47	K4	62	0.015	Circular	1.75	-	3.8	5.2	7.2	10.0
Z5_PIPE_518	Z5_IL_2544	Z5_IL_2545	G6	75	0.015	Circular	1.50	-	10.0	13.0	16.4	17.5
Z5_PIPE_52	Z5_IL_2953	Z5_OF_4441	N4	56	0.010	Circular	1.00	-	4.4	5.2	6.2	7.8
Z5_PIPE_520	Z5_IL_2545	Z5_IL_2543	G6	203	0.015	Circular	1.50	-	10.9	14.4	18.2	19.3
Z5_PIPE_523	Z5_MH_3885	Z5_IL_2545	H6	154	0.015	Circular	1.00	-	0.6	0.8	1.1	1.5
Z5_PIPE_53	Z5_IL_2955	Z5_OF_5005	M4	44	0.015	Circular	1.00	-	4.6	5.6	7.0	9.1
Z5_PIPE_539	Z5_SGMH_4865	Z5_MH_4127	L5	190	0.015	Circular	3.50	-	23.6	30.5	40.0	54.8
Z5_PIPE_549	Z5_IL_3076	Z5_MH_4086	F5	49	0.015	Circular	1.00	-	2.0	2.9	4.3	6.8
Z5_PIPE_550	Z5_IL_3078	Z5_MH_4096	F6	33	0.015	Circular	1.00	-	0.6	1.3	2.0	2.7
Z5_PIPE_551	Z5_IL_3077	Z5_MH_4096	F6	41	0.015	Circular	1.00	-	2.5	3.8	5.3	4.7
Z5_PIPE_5510	Z5_IL_5117	Z5_MH_4321	L4	93	0.015	Circular	5.00	-	153.8	154.4	145.2	137.3
Z5_PIPE_5515	Z5_CB_250	Z5_IL_3039	G8	9	0.015	Circular	1.00	-	1.0	1.3	1.7	2.2
Z5_PIPE_5516	Z5_IL_3170	Z5_MH_3900	F8	162	0.015	Circular	2.00	-	21.7	27.5	33.0	38.4
Z5_PIPE_5519	Z5_MH_5088	Z5_IL_3027	H8	17	0.015	Circular	1.50	-	2.8	3.0	3.4	3.8
Z5_PIPE_552	Z5_IL_4953	Z5_OF_4437	L4	28	0.015	Circular	5.00	-	130.8	130.5	122.6	119.6
Z5_PIPE_5520	Z5_CB_241	Z5_OF_4386	H7	27	0.015	Circular	1.00	-	5.1	6.8	8.5	9.8
Z5_PIPE_5522	Z5_MH_5095	Z5_IL_2554	H6	31	0.015	Circular	1.00	-	6.7	7.0	7.4	7.8
Z5_PIPE_5523	Z5_IL_3481	Z5_IL_3480	H6	106	0.015	Circular	1.00	-	1.4	2.0	2.7	4.6
Z5_PIPE_5524	Z5_IL_3482	Z5_OF_4547	H6	24	0.015	Circular	1.00	-	3.7	5.0	6.7	8.2
Z5_PIPE_5526	Z5_CB_232	Z5_MH_4325	H5	21	0.015	Circular	1.00	-	2.7	3.2	4.0	5.0
Z5_PIPE_5527	Z5_IL_3681	Z5_IL_3012	H5	23	0.015	Circular	1.25	-	2.5	3.4	4.9	6.7
Z5_PIPE_5528	Z5_IL_1421	Z5_MH_5097	H5	15	0.015	Circular	1.50	-	0.0	0.5	3.3	10.1
Z5_PIPE_5529	Z5_IL_2980	Z5_MH_5098	H6	10	0.015	Circular	1.00	-	2.3	3.0	3.8	5.1
Z5_PIPE_553	Z5_IL_3214	Z5_MH_5112	L4	15	0.024	Circular	1.00	-	1.0	1.1	0.8	0.9
Z5_PIPE_5532	Z5_MH_5101	Z5_OF_4540	G6	350	0.015	Rectangular	3.00	5.00	126.4	132.4	154.3	181.7
Z5_PIPE_5533	Z5_IL_4889	Z5_MH_5103	G6	89	0.015	Circular	3.00	-	21.3	28.5	38.9	53.7
Z5_PIPE_5534	Z5_IL_4888	Z5_MH_5104	G6	155	0.015	Circular	3.00	-	18.9	25.5	34.5	48.3
Z5_PIPE_5535	Z5_IL_3691	Z5_IL_3690	G5	190	0.015	Circular	1.50	-	1.4	1.9	2.6	3.7
Z5_PIPE_5536	Z5_IL_3689	Z5_IL_3159	G5	66	0.015	Circular	1.50	-	3.5	4.8	6.4	8.9
Z5_PIPE_5537	Z5_IL_3202	Z5_IL_3693	F6	40	0.015	Circular	1.00	-	0.6	0.9	1.2	1.7
Z5_PIPE_5538	Z5_IL_1209	Z5_IL_3700	F6	117	0.015	Circular	2.00	-	14.1	18.4	18.7	20.4
Z5_PIPE_5539	Z5_IL_1001	Z5_MH_4095	F6	21	0.015	Circular	1.00	-	15.3	17.4	20.4	24.9
Z5_PIPE_554	Z5_IL_4956	Z5_OF_5079	M4	44	0.015	Rectangular	6.00	34.00	126.5	131.8	139.7	149.3
Z5_PIPE_5540	Z5_MH_4095	Z5_IL_1000	F6	29	0.015	Circular	1.00	-	11.5	12.5	13.5	15.2
Z5_PIPE_5541	Z5_MH_4091	Z5_MH_5105	F5	110	0.015	Circular	2.75	-	32.7	48.5	70.1	96.0
Z5_PIPE_5542	Z5_IL_3706	Z5_IL_2678	E5	28	0.015	Circular	1.25	-	9.4	12.0	13.1	14.1
Z5_PIPE_5543	Z5_MH_5106	Z5_IL_2678	E5	5	0.015	Circular	1.50	-	2.6	3.0	2.8	3.9
Z5_PIPE_5544	Z5_MH_4361	Z5_MH_5106	E5	7	0.015	Circular	1.50	-	1.4	1.6	1.4	1.7
Z5_PIPE_5546	Z5_IL_3552	Z5_IL_3551	N4	87	0.015	Circular	1.50	-	1.9	2.5	3.4	4.7
Z5_PIPE_5547	Z5_MH_3858	Z5_IL_3552	N4	181	0.015	Circular	1.50	-	1.9	2.5	3.4	4.7
Z5_PIPE_5549	Z5_IL_3226	Z5_IL_3227	L4	49	0.015	Circular	6.00	-	139.8	147.6	158.8	173.2
Z5_PIPE_555	Z5_IL_1449	Z5_MH_3787	M4	12	0.015	Circular	1.00	-	4.8	6.0	7.6	10.4
Z5_PIPE_5550	Z5_IL_3227	Z5_IL_1447	L4	34	0.015	Circular	6.00	-	141.1	149.1	160.4	174.7
Z5_PIPE_5551	Z5_IL_1438	Z5_MH_3782	M4	32	0.015	Circular	1.00	-	4.0	4.8	5.8	6.4
Z5_PIPE_5552	Z5_IL_2504	Z5_IL_2503	L4	82	0.015	Circular	1.50	-	2.2	2.9	3.7	4.8
Z5_PIPE_5553	Z5_IL_2503	Z5_IL_2502	L4	138	0.015	Circular	1.50	-	2.2	2.9	3.7	4.8
Z5_PIPE_5554	Z5_IL_2307	Z5_MH_5112	L4	69	0.024	Arch	3.67	6.00	119.3	121.9	125.7	130.5
Z5_PIPE_5555	Z5_MH_5112	Z5_MH_5111	L4	87	0.024	Arch	3.67	6.00	119.6	122.7	126.4	131.0
Z5_PIPE_5556	Z5_MH_5110	Z5_MH_5109	M4	86	0.024	Arch	3.67	6.00	120.8	124.7	129.3	134.6
Z5_PIPE_5557	Z5_MH_5113	Z5_IL_2308	L4	74	0.024	Arch	3.67	6.00	114.9	117.1	119.3	120.3
Z5_PIPE_5558	Z5_IL_2308	Z5_IL_2309	L4	87	0.024	Arch	3.67	6.00	115.4	117.9	120.7	122.7
Z5_PIPE_5559	Z5_IL_1452	Z5_IL_1451	M5	25	0.015	Circular	1.00	-	3.4	4.0	5.0	5.7
Z5_PIPE_556	Z5_IL_2931	Z5_IL_2930	L5	80	0.015	Circular	1.50	-	5.7	6.7	8.0	10.0
Z5_PIPE_5560	Z5_MH_4321	Z5_IL_2934	L4	10	0.015	Circular	3.50	-	73.9	74.4	76.1	73.1
Z5_PIPE_5561	Z5_MH_5116	Z5_IL_5557	L4	73	0.015	Trapezoidal	5.00	5.00	153.9	163.0	140.3	127.5
Z5_PIPE_5562	Z5_MH_5114	Z5_MH_5115	L4	27	0.015	Rectangular	2.00	6.00	82.2	86.3	75.7	69.8
Z5_PIPE_5563	Z5_MH_4263	Z5_MH_5116	L4	38	0.015	Circular	3.50	-	67.0	70.8	61.1	55.4
Z5_PIPE_5564	Z5_MH_4132	Z5_IL_3571	K5	41	0.015	Circular	2.25	-	4.9	6.7	9.0	13.0
Z5_PIPE_5565	Z5_MH_4322	Z5_MH_5118	K5	23	0.015	Rectangular	3.00	6.00	256.1	201.9	246.9	270.2
Z5_PIPE_5566	Z5_MH_5118	Z5_IL_3533	K5	42	0.015	Rectangular	3.00	6.00	223.5	222.8	230.8	269.2
Z5_PIPE_5567	Z5_MH_4269	Z5_MH_5564	K5	178	0.015	Rectangular	4.00	10.00	158.5	192.0	225.4	262.5
Z5_PIPE_5569	Z5_MH_4004	Z5_MH_5271	K5	92	0.015	Rectangular	4.00	8.00	137.5	168.4	200.3	235.2
Z5_PIPE_557	Z5_IL_2930	Z5_IL_2929	L5	66	0.015	Circular	1.75	-	5.7	6.7	8.0	14.6
Z5_PIPE_5570	Z5_MH_5271	NEW_Z5_MH_6052	K5	226	0.015	Rectangular	4.00	8.00	142.9	174.9	208.5	244.5
Z5_PIPE_5571	Z5_MH_3872	Z5_MH_3873	K5	401	0.015	Rectangular	4.00	8.00	149.3	181.7	215.9	252.5
Z5_PIPE_5572	Z5_MH_4275	Z5_MH_4337	K4	193	0.015	Circular	1.50	-	1.5	1.7	2.1	2.6
Z5_PIPE_5573	Z5_MH_5119	Z5_MH_3871	K5	41	0.015	Circular	2.50	-	21.2	24.7	28.2	34.5
Z5_PIPE_5575	Z5_MH_5121	Z5_IL_2473	J5	271	0.015	Circular	4.50	-	58.1	68.2	75.1	80.8

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Zone 5 East Existing Pipes

Link ID*	From Node	To Node	County Grid #	Length (ft)	Manning's N	Shape	Max Depth (ft)	Bottom Width (ft)	Max Q (cfs)			
									5Yr	10Yr	25Yr	100Yr
Z5_PIPE_5576	Z5_MH_4307	Z5_MH_5121	J5	21	0.015	Circular	1.75	-	21.0	23.3	24.0	26.0
Z5_PIPE_5577	Z5_CB_159	Z5_CB_158	J5	59	0.015	Circular	1.50	-	9.1	11.5	16.7	16.6
Z5_PIPE_5578	Z5_MH_4351	Z5_CB_824	H5	158	0.015	Circular	1.00	-	2.2	2.8	3.1	3.2
Z5_PIPE_5579	Z5_MH_3940	Z5_MH_3941	N4	25	0.015	Circular	1.00	-	3.5	4.4	6.8	6.2
Z5_PIPE_558	Z5_IL_2929	Z5_IL_2928	L5	210	0.015	Circular	2.00	-	7.9	9.5	11.6	14.2
Z5_PIPE_5580	Z5_MH_3944	Z5_CB_104	N4	50	0.015	Circular	1.00	-	1.9	2.4	3.0	3.5
Z5_PIPE_5581	Z5_IL_2871	Z5_MH_4919	N4	4	0.015	Circular	1.00	-	0.8	1.0	1.4	1.9
Z5_PIPE_5582	Z5_IL_1221	Z5_IL_3113	N4	147	0.015	Circular	2.00	-	12.0	14.9	18.2	20.2
Z5_PIPE_5583	Z5_IL_3112	Z5_IL_1221	N4	55	0.015	Circular	2.00	-	11.5	14.3	17.3	19.0
Z5_PIPE_5584	Z5_MH_3756	Z5_CB_528	N4	34	0.015	Circular	2.00	-	11.5	14.3	17.3	19.0
Z5_PIPE_5585	Z5_IL_1234	Z5_CB_543	N4	53	0.015	Circular	1.50	-	6.1	7.4	8.2	9.0
Z5_PIPE_5586	Z5_IL_1243	Z5_CB_474	M4	176	0.015	Circular	1.00	-	2.4	3.0	3.3	4.5
Z5_PIPE_5587	Z5_IL_1256	Z5_CB_464	M4	128	0.015	Circular	1.00	-	1.9	2.5	3.3	4.8
Z5_PIPE_5588	Z5_IL_1258	Z5_IL_1257	N4	65	0.015	Circular	1.00	-	1.9	2.5	3.3	4.7
Z5_PIPE_5589	Z5_IL_1286	Z5_IL_1270	M4	42	0.015	Circular	1.00	-	2.3	3.1	3.9	4.1
Z5_PIPE_559	Z5_IL_2928	Z5_IL_2927	L5	81	0.015	Circular	2.25	-	7.9	9.5	11.6	14.2
Z5_PIPE_5590	Z5_IL_1182	Z5_IL_1180	M5	75	0.015	Circular	1.50	-	4.1	4.9	6.0	7.7
Z5_PIPE_5591	Z5_IL_1180	Z5_SGIL_4624	M5	10	0.015	Circular	1.50	-	5.0	6.0	7.3	9.3
Z5_PIPE_5592	Z5_CB_791	Z5_MH_5122	L5	4	0.015	Circular	1.33	-	8.9	6.4	7.0	7.4
Z5_PIPE_5593	Z5_CB_110	Z5_IL_2486	M5	56	0.015	Circular	1.00	-	1.3	1.8	2.2	2.5
Z5_PIPE_5594	Z5_CB_486	Z5_CB_58	M5	113	0.015	Circular	1.00	-	0.3	0.5	0.7	1.0
Z5_PIPE_560	Z5_IL_2927	Z5_IL_2926	L5	57	0.015	Circular	2.25	-	12.3	15.0	18.6	21.8
Z5_PIPE_561	Z5_IL_2926	Z5_IL_2925	L5	110	0.015	Circular	2.25	-	12.3	15.0	18.6	21.6
Z5_PIPE_562	Z5_IL_2925	Z5_IL_2924	L5	224	0.015	Circular	2.25	-	12.3	15.0	18.5	21.5
Z5_PIPE_563	Z5_IL_2924	Z5_IL_2923	M4	190	0.015	Circular	2.25	-	14.5	17.7	22.0	25.3
Z5_PIPE_564	Z5_IL_2923	Z5_IL_1442	M4	262	0.015	Circular	2.50	-	19.9	24.2	30.0	35.7
Z5_PIPE_565	Z5_IL_2922	Z5_IL_2921	L5	24	0.015	Circular	1.00	-	1.8	2.1	2.6	3.5
Z5_PIPE_566	Z5_IL_2921	Z5_IL_1452	L5	330	0.015	Circular	1.00	-	1.8	2.1	2.6	3.0
Z5_PIPE_567	Z5_MH_3793	Z5_MH_3783	L5	51	0.015	Circular	1.67	-	16.4	12.0	12.5	13.2
Z5_PIPE_5676	Z5_MH_3713	Z5_MH_3942	N4	141	0.015	Circular	1.50	-	8.5	10.5	12.1	12.4
Z5_PIPE_5677	Z5_CB_716	Z5_MH_5333	G8	18	0.015	Circular	1.25	-	0.0	0.1	0.1	0.1
Z5_PIPE_5678	Z5_MH_5333	Z5_MH_4073	G8	12	0.015	Circular	1.00	-	4.7	5.5	5.6	5.8
Z5_PIPE_568	Z5_MH_3783	Z5_IL_3259	L5	46	0.015	Circular	1.67	-	15.9	12.2	12.6	13.4
Z5_PIPE_5680	Z5_IL_3619	Z5_MH_4139	L5	313	0.015	Circular	1.50	-	4.9	6.0	6.1	5.9
Z5_PIPE_5681	Z5_IL_2946	Z5_IL_3620	L5	286	0.015	Circular	1.50	-	2.3	3.9	5.0	4.5
Z5_PIPE_5682	Z5_MH_3784	Z5_CB_791	L5	49	0.015	Circular	1.33	-	4.7	4.6	5.1	6.1
Z5_PIPE_5684	Z5_MH_3875	Z5_IL_2504	L4	85	0.010	Circular	5.00	-	1.5	1.9	2.4	3.2
Z5_PIPE_5686	Z5_IL_2638	Z5_IL_2639	G7	18	0.015	Circular	1.00	-	2.7	3.3	4.2	5.6
Z5_PIPE_5687	Z5_IL_3179	Z5_IL_5085	F8	31	0.015	Circular	1.00	-	1.2	1.5	2.0	2.7
Z5_PIPE_5688	Z5_IL_3176	Z5_MH_4164	G8	8	0.015	Circular	1.00	-	8.3	10.8	14.2	16.1
Z5_PIPE_5689	Z5_IL_2183	Z5_IL_1414	G6	46	0.015	Circular	2.25	-	25.1	25.1	32.7	32.1
Z5_PIPE_569	Z5_IL_3259	Z5_IL_3260	M5	92	0.015	Circular	1.67	-	14.3	12.2	12.6	13.3
Z5_PIPE_5690	Z5_CB_738	Z5_OF_4593	H8	84	0.015	Circular	2.25	-	12.8	15.2	18.4	23.2
Z5_PIPE_5692	Z5_IL_3636	Z5_MH_5100	H6	161	0.015	Rectangular	3.00	5.00	119.0	140.2	175.8	194.7
Z5_PIPE_5693	Z5_IL_5557	Z5_OF_5078	L4	500	0.010	Rectangular	4.00	8.00	142.8	141.7	131.1	124.7
Z5_PIPE_5694	Z5_IL_4952	Z5_MH_5113	L4	45	0.024	Circular	3.50	-	35.0	35.1	35.1	35.1
Z5_PIPE_5695	Z5_IL_5558	Z5_MH_5121	J5	40	0.015	Rectangular	4.00	8.00	37.1	45.1	51.6	56.3
Z5_PIPE_5696	Z5_IL_5559	Z5_OF_4471	G6	28	0.015	Circular	1.50	-	6.7	9.4	12.8	14.3
Z5_PIPE_570	Z5_MH_4139	Z5_MH_3793	L5	90	0.015	Circular	1.25	-	4.8	4.5	5.2	5.5
Z5_PIPE_5701	Z5_MH_5564	Z5_MH_4322	K5	200	0.015	Rectangular	3.00	6.00	157.9	191.5	224.4	261.7
Z5_PIPE_571	Z5_IL_2960	Z5_IL_2956	L5	125	0.015	Circular	1.50	-	0.7	1.0	1.5	2.1
Z5_PIPE_5710	Z5_IL_5575	Z5_IL_2881	N4	13	0.015	Circular	1.00	-	0.0	0.0	0.0	0.0
Z5_PIPE_572	Z5_IL_2956	Z5_IL_2946	L5	52	0.015	Circular	1.50	-	1.8	2.7	3.8	4.8
Z5_PIPE_573	Z5_IL_3620	Z5_IL_3619	L5	208	0.015	Circular	1.50	-	5.0	6.9	7.9	7.8
Z5_PIPE_575	Z5_CB_144	Z5_CB_146	H5	62	0.015	Circular	1.50	-	2.3	2.7	3.3	4.1
Z5_PIPE_580	Z5_IL_2324	Z5_OF_4581	N4	66	0.024	Circular	1.00	-	1.4	1.8	2.2	2.9
Z5_PIPE_581	Z5_IL_2893	Z5_IL_2894	N4	35	0.015	Circular	1.00	-	1.0	1.3	4.5	4.2
Z5_PIPE_582	Z5_IL_4960	Z5_OF_4507	N4	278	0.015	Circular	1.00	-	0.9	1.2	1.6	2.2
Z5_PIPE_586	Z5_IL_3075	Z5_MH_4086	F5	19	0.015	Circular	1.00	-	1.1	1.6	2.3	3.2
Z5_PIPE_593	Z5_IL_3187	Z5_IL_3062	F8	180	0.015	Circular	1.00	-	1.1	1.4	1.8	2.4
Z5_PIPE_595	Z5_IL_4887	Z5_IL_3054	G5	39	0.015	Circular	1.75	-	6.3	8.6	11.5	16.6
Z5_PIPE_597	Z5_IL_3192	Z5_IL_3194	H5	30	0.015	Circular	1.50	-	21.0	25.8	29.5	36.1
Z5_PIPE_603	Z5_IL_3200	Z5_IL_1502	H6	23	0.015	Circular	2.00	-	8.8	12.4	17.4	27.7
Z5_PIPE_605	Z5_IL_1501	Z5_OF_4472	H5	175	0.015	Circular	2.00	-	12.4	17.0	23.1	28.8
Z5_PIPE_606	Z5_IL_3159	Z5_OF_4428	G5	46	0.015	Circular	1.75	-	5.5	7.4	10.0	13.9
Z5_PIPE_607	Z5_IL_3053	Z5_OF_4411	G5	175	0.015	Circular	1.75	-	10.0	13.8	18.5	24.7
Z5_PIPE_608	Z5_IL_2675	Z5_IL_3053	G5	132	0.015	Circular	1.25	-	3.0	4.1	5.6	7.7
Z5_PIPE_609	Z5_IL_3054	Z5_IL_3053	G5	145	0.015	Circular	1.75	-	6.3	8.6	11.5	15.2
Z5_PIPE_61	Z5_IL_2520	Z5_IL_2522	M5	101	0.015	Circular	2.00	-	5.4	9.2	9.8	9.8
Z5_PIPE_610	Z5_IL_3052	Z5_IL_2675	G5	125	0.015	Circular	1.25	-	1.0	1.4	2.0	2.9

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Zone 5 East Existing Pipes

Link ID*	From Node	To Node	County Grid #	Length (ft)	Manning's N	Shape	Max Depth (ft)	Bottom Width (ft)	Max Q (cfs)			
									5Yr	10Yr	25Yr	100Yr
Z5_PIPE_611	Z5_IL_3050	Z5_MH_4060	F6	32	0.015	Circular	1.00	-	0.9	1.4	2.0	2.9
Z5_PIPE_612	Z5_IL_3051	Z5_MH_4060	F6	20	0.015	Circular	1.00	-	0.3	0.5	0.7	1.0
Z5_PIPE_613	Z5_IL_3702	Z5_IL_2633	F8	81	0.010	Circular	2.50	-	18.2	23.6	27.0	31.5
Z5_PIPE_614	Z5_IL_2633	Z5_MH_3899	F8	87	0.010	Circular	3.50	-	18.7	24.2	27.8	32.6
Z5_PIPE_615	Z5_IL_1472	Z5_MH_4166	G8	273	0.015	Circular	1.75	-	27.9	28.0	27.9	28.5
Z5_PIPE_617	Z5_SGIL_4733	Z5_MH_3899	F8	38	0.015	Circular	1.00	-	3.8	4.9	6.4	8.6
Z5_PIPE_649	Z5_MH_4060	NEW_Z5_MH_6040	F6	66	0.015	Circular	2.50	-	58.1	64.4	72.0	82.4
Z5_PIPE_650	Z5_CB_598	Z5_IL_3201	F6	14	0.015	Circular	1.50	-	5.2	5.8	5.9	7.9
Z5_PIPE_651	Z5_IL_3693	Z5_IL_3201	F6	30	0.015	Circular	1.00	-	0.6	0.9	1.2	1.7
Z5_PIPE_652	Z5_IL_3201	Z5_IL_3048	F6	52	0.015	Circular	3.50	-	57.2	62.7	69.1	78.1
Z5_PIPE_653	Z5_IL_3048	Z5_IL_3049	F6	43	0.015	Circular	2.75	-	56.9	62.5	69.1	78.1
Z5_PIPE_654	Z5_IL_3049	Z5_MH_4060	F6	176	0.015	Circular	2.75	-	57.2	63.0	69.8	79.2
Z5_PIPE_655	Z5_IL_3080	Z5_IL_3079	F5	26	0.015	Circular	1.50	-	1.5	2.3	3.3	5.0
Z5_PIPE_656	Z5_IL_3079	Z5_MH_4168	G6	44	0.015	Circular	1.00	-	3.5	5.2	7.6	10.8
Z5_PIPE_657	Z5_IL_3203	Z5_MH_4168	F6	36	0.015	Circular	1.00	-	1.0	1.4	2.1	3.0
Z5_PIPE_669	Z5_CB_861	Z5_MH_4193	J5	284	0.015	Circular	2.00	-	11.9	14.5	18.0	23.5
Z5_PIPE_672	Z5_CB_150	Z5_MH_4147	J5	161	0.015	Circular	2.00	-	15.8	19.3	23.8	30.9
Z5_PIPE_673	Z5_MH_4147	Z5_CB_638	J5	36	0.015	Circular	2.50	-	15.8	19.3	23.9	30.8
Z5_PIPE_675	Z5_CB_638	Z5_CB_639	J5	48	0.015	Circular	2.50	-	23.9	29.0	35.6	44.4
Z5_PIPE_679	Z5_MH_4151	Z5_MH_4150	J5	46	0.015	Circular	5.00	-	81.4	97.4	111.8	122.8
Z5_PIPE_680	Z5_MH_4150	Z5_MH_4149	J5	26	0.015	Circular	5.00	-	81.4	97.4	111.8	122.8
Z5_PIPE_683	Z5_MH_4155	Z5_IL_2472	J5	289	0.015	Circular	4.50	-	61.9	73.5	84.1	91.5
Z5_PIPE_684	Z5_IL_2473	Z5_MH_4155	J5	160	0.015	Circular	4.50	-	59.0	69.2	76.9	83.3
Z5_PIPE_72	Z5_IL_4895	Z5_OF_4393	F7	56	0.015	Circular	1.00	-	3.5	4.7	6.2	8.6
Z5_PIPE_733	Z5_IL_3435	Z5_MH_4242	H5	20	0.015	Circular	1.75	-	0.6	0.8	1.0	1.3
Z5_PIPE_754	Z5_IL_2062	Z5_IL_2058	F5	91	0.010	Circular	1.00	-	0.6	0.9	1.3	1.9
Z5_PIPE_755	Z5_IL_2086	Z5_MH_3824	F5	71	0.010	Circular	1.50	-	0.5	0.7	1.0	1.5
Z5_PIPE_756	Z5_IL_2088	Z5_IL_2044	E6	53	0.010	Circular	1.00	-	1.1	1.6	2.3	3.4
Z5_PIPE_77	Z5_IL_2587	Z5_MH_3884	H7	100	0.015	Circular	1.00	-	0.8	1.1	1.4	1.9
Z5_PIPE_770	Z5_MH_3880	Z5_IL_2556	G7	63	0.015	Circular	1.25	-	2.4	2.8	3.3	4.2
Z5_PIPE_771	Z5_IL_2554	Z5_IL_2555	H6	46	0.015	Circular	1.75	-	7.1	7.4	7.8	8.6
Z5_PIPE_772	Z5_IL_3061	Z5_MH_4065	F8	33	0.015	Circular	1.25	-	1.0	1.3	1.7	2.3
Z5_PIPE_773	Z5_IL_3062	Z5_MH_4065	F8	43	0.015	Circular	1.25	-	1.1	1.4	1.8	2.4
Z5_PIPE_774	Z5_IL_3060	Z5_MH_4065	F8	36	0.015	Circular	1.00	-	0.0	0.0	0.0	0.0
Z5_PIPE_775	Z5_IL_1215	Z5_IL_3060	F8	55	0.015	Circular	1.00	-	0.0	0.0	0.0	0.0
Z5_PIPE_776	Z5_CB_251	Z5_MH_4040	G8	108	0.015	Circular	1.00	-	3.4	4.3	5.3	7.0
Z5_PIPE_777	Z5_IL_3035	Z5_MH_4256	G8	23	0.015	Circular	1.00	-	2.9	3.6	4.6	6.2
Z5_PIPE_778	Z5_IL_3503	Z5_MH_4257	G8	4	0.015	Circular	1.00	-	0.0	0.0	0.7	1.1
Z5_PIPE_779	Z5_IL_3039	Z5_IL_3038	G8	21	0.015	Circular	1.00	-	1.0	1.3	1.7	2.2
Z5_PIPE_780	Z5_IL_3068	Z5_MH_4071	G8	5	0.015	Circular	1.00	-	3.5	4.4	4.6	4.7
Z5_PIPE_781	Z5_IL_3069	Z5_IL_3068	G8	52	0.015	Circular	1.00	-	3.5	4.4	4.6	4.9
Z5_PIPE_782	Z5_IL_3071	Z5_IL_3070	G8	31	0.015	Circular	1.25	-	0.0	0.0	0.0	0.0
Z5_PIPE_783	Z5_IL_2555	Z5_IL_3025	H6	178	0.015	Circular	1.75	-	7.1	7.4	7.8	8.6
Z5_PIPE_784	Z5_IL_2628	Z5_IL_2623	G7	116	0.015	Circular	1.00	-	1.5	1.9	2.4	3.1
Z5_PIPE_785	Z5_IL_3025	Z5_IL_3026	H7	216	0.015	Circular	2.00	-	7.7	8.6	9.8	11.5
Z5_PIPE_786	Z5_IL_2623	Z5_IL_2624	G7	27	0.015	Circular	1.25	-	3.2	4.1	5.2	6.9
Z5_PIPE_787	Z5_IL_2625	Z5_OF_4469	G7	16	0.015	Circular	1.00	-	0.5	0.7	0.9	1.2
Z5_PIPE_789	Z5_IL_3019	Z5_IL_3020	G7	164	0.015	Circular	1.50	-	15.2	15.3	15.7	16.6
Z5_PIPE_790	Z5_IL_3021	Z5_OF_5568	G7	70	0.015	Circular	1.50	-	0.0	0.0	0.0	0.0
Z5_PIPE_792	Z5_IL_3018	Z5_IL_3019	G7	68	0.015	Circular	1.50	-	2.3	5.2	6.5	8.5
Z5_PIPE_793	Z5_IL_2991	Z5_IL_2980	H6	29	0.015	Circular	1.00	-	2.3	3.0	3.8	5.1
Z5_PIPE_794	Z5_IL_3017	Z5_MH_4034	H6	18	0.015	Circular	1.00	-	2.0	2.6	3.6	6.1
Z5_PIPE_795	Z5_IL_3030	Z5_IL_3029	H7	33	0.015	Circular	1.00	-	2.7	3.5	4.6	6.3
Z5_PIPE_796	Z5_IL_3029	Z5_MH_3948	H7	45	0.015	Circular	1.00	-	2.7	3.5	4.6	6.3
Z5_PIPE_797	Z5_MH_4039	Z5_MH_5088	H7	24	0.015	Circular	0.50	-	1.9	2.0	2.2	2.3
Z5_PIPE_799	Z5_IL_3028	Z5_MH_5088	G8	240	0.015	Circular	1.50	-	0.9	1.1	1.4	1.8
Z5_PIPE_800	Z5_IL_3104	Z5_IL_2972	G8	32	0.015	Circular	1.25	-	2.3	3.2	4.4	6.3
Z5_PIPE_801	Z5_IL_2972	Z5_OF_4467	G8	68	0.015	Circular	1.75	-	2.3	3.2	4.4	6.3
Z5_PIPE_802	Z5_SGIL_4780	Z5_MH_4171	G8	15	0.010	Circular	1.25	-	4.1	5.1	6.4	8.2
Z5_PIPE_803	Z5_MH_3901	Z5_MH_4163	G8	272	0.015	Circular	2.00	-	22.9	29.2	35.7	42.0
Z5_PIPE_804	Z5_MH_4163	Z5_MH_4171	G8	80	0.015	Circular	1.75	-	23.0	29.2	30.4	34.2
Z5_PIPE_805	Z5_SGIL_4734	Z5_MH_3901	F8	20	0.015	Circular	1.25	-	1.1	1.3	1.7	2.6
Z5_PIPE_807	Z5_MH_3900	Z5_MH_3901	F8	87	0.015	Circular	2.00	-	21.7	27.5	33.0	38.4
Z5_PIPE_808	Z5_IL_3171	Z5_MH_3901	F8	14	0.015	Circular	1.00	-	0.7	0.9	1.1	2.0
Z5_PIPE_809	Z5_SGIL_4731	Z5_MH_5189	F8	126	0.010	Circular	1.25	-	2.3	3.1	4.0	5.4
Z5_PIPE_81	Z5_IL_2589	Z5_OF_4395	G7	100	0.010	Circular	1.00	-	1.3	1.7	2.2	3.0
Z5_PIPE_810	Z5_SGIL_4732	Z5_IL_2633	F8	25	0.015	Circular	1.25	-	1.2	1.6	2.1	2.9
Z5_PIPE_811	Z5_MH_4164	Z5_MH_4165	G8	5	0.015	Circular	1.00	-	8.3	10.8	14.2	16.1
Z5_PIPE_812	Z5_MH_4165	Z5_OF_4990	G8	108	0.015	Circular	2.75	-	48.4	51.7	56.2	60.0
Z5_PIPE_813	Z5_IL_3177	Z5_OF_5563	G8	40	0.015	Circular	1.00	-	1.7	2.1	2.7	3.5

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Zone 5 East Existing Pipes

Link ID*	From Node	To Node	County Grid #	Length (ft)	Manning's N	Shape	Max Depth (ft)	Bottom Width (ft)	Max Q (cfs)			
									5Yr	10Yr	25Yr	100Yr
Z5_PIPE_814	Z5_IL_3186	Z5_OF_4460	F8	114	0.015	Circular	1.00	-	0.6	0.8	1.1	1.5
Z5_PIPE_815	Z5_IL_3185	Z5_OF_4459	F8	108	0.015	Circular	1.25	-	0.4	0.6	0.7	1.0
Z5_PIPE_816	Z5_IL_3178	Z5_OF_4455	F8	82	0.015	Circular	1.25	-	7.9	10.3	13.6	18.7
Z5_PIPE_817	Z5_IL_5085	Z5_OF_5541	F8	60	0.015	Circular	1.00	-	1.2	1.5	2.0	2.7
Z5_PIPE_818	Z5_IL_4880	Z5_OF_4457	F8	76	0.015	Circular	1.00	-	0.7	0.9	1.1	1.5
Z5_PIPE_819	Z5_IL_2667	Z5_IL_2668	E5	55	0.010	Circular	2.50	-	22.4	33.0	47.4	69.2
Z5_PIPE_82	Z5_IL_4896	Z5_OF_4399	F7	38	0.015	Circular	1.00	-	2.6	3.4	4.5	6.3
Z5_PIPE_820	Z5_IL_2663	Z5_IL_2664	E5	11	0.010	Circular	1.00	-	0.6	1.0	1.4	2.0
Z5_PIPE_821	Z5_IL_2664	Z5_IL_2667	E5	132	0.010	Circular	2.00	-	15.9	23.1	33.0	47.9
Z5_PIPE_822	Z5_IL_2665	Z5_IL_2664	E5	27	0.010	Circular	1.00	-	0.0	0.0	0.0	0.0
Z5_PIPE_823	Z5_IL_2666	Z5_IL_2665	E5	21	0.010	Circular	1.00	-	0.0	0.0	0.0	0.0
Z5_PIPE_824	Z5_IL_2661	Z5_IL_2664	E5	297	0.010	Circular	2.00	-	15.4	22.4	31.9	46.3
Z5_PIPE_825	Z5_IL_2660	Z5_IL_2661	E5	27	0.010	Circular	1.00	-	3.3	5.1	7.5	11.1
Z5_PIPE_826	Z5_IL_2659	Z5_IL_2660	E5	11	0.010	Circular	1.00	-	3.3	5.1	7.5	11.1
Z5_PIPE_827	Z5_IL_2662	Z5_IL_2661	E5	11	0.010	Circular	1.00	-	3.0	4.2	5.8	8.3
Z5_PIPE_828	Z5_IL_2657	Z5_IL_2661	E5	460	0.010	Circular	1.75	-	9.4	13.5	19.1	27.5
Z5_PIPE_829	Z5_IL_2656	Z5_IL_2657	E5	53	0.010	Circular	1.50	-	6.1	8.7	12.3	17.7
Z5_PIPE_83	Z5_IL_4898	Z5_OF_4398	G7	40	0.024	Circular	1.00	-	3.2	4.2	5.6	7.7
Z5_PIPE_830	Z5_IL_2655	Z5_IL_2656	F5	9	0.010	Circular	1.00	-	0.0	0.0	0.0	0.0
Z5_PIPE_831	Z5_IL_2658	Z5_IL_2657	E5	10	0.010	Circular	1.00	-	3.4	4.8	6.8	9.8
Z5_PIPE_832	Z5_IL_2654	Z5_IL_2653	E5	12	0.010	Circular	1.00	-	0.8	1.3	1.8	2.7
Z5_PIPE_833	Z5_IL_2653	Z5_IL_2652	E5	28	0.010	Circular	1.00	-	0.8	1.3	1.8	2.7
Z5_PIPE_834	Z5_IL_2651	Z5_IL_2652	E5	12	0.010	Circular	1.00	-	1.1	1.7	2.5	3.6
Z5_PIPE_835	Z5_IL_2652	Z5_IL_2656	E5	349	0.010	Circular	1.50	-	6.1	8.7	12.3	17.7
Z5_PIPE_836	Z5_IL_2649	Z5_IL_2652	E5	300	0.010	Circular	1.25	-	4.3	6.0	8.3	11.8
Z5_PIPE_837	Z5_IL_2650	Z5_IL_2649	E5	28	0.010	Circular	1.00	-	0.5	0.8	1.1	1.7
Z5_PIPE_838	Z5_IL_2648	Z5_IL_2649	E5	151	0.010	Circular	1.00	-	3.8	5.2	7.2	10.2
Z5_PIPE_839	Z5_IL_2647	Z5_IL_2648	E5	78	0.010	Circular	1.00	-	2.6	3.5	4.7	6.5
Z5_PIPE_84	Z5_IL_4901	Z5_OF_4396	G6	58	0.015	Circular	1.00	-	2.2	2.8	3.7	5.1
Z5_PIPE_840	Z5_IL_2645	Z5_IL_2646	E5	28	0.010	Circular	1.00	-	1.2	1.8	2.5	3.7
Z5_PIPE_841	Z5_IL_2632	Z5_IL_2668	E5	27	0.010	Circular	1.00	-	1.3	2.0	2.8	4.4
Z5_PIPE_847	Z5_IL_3188	Z5_MH_4165	G8	103	0.015	Circular	2.75	-	35.8	37.4	39.0	40.9
Z5_PIPE_848	Z5_MH_4118	Z5_IL_3188	G8	39	0.015	Circular	2.75	-	35.8	37.4	39.0	40.9
Z5_PIPE_849	Z5_MH_4066	Z5_MH_4165	G8	349	0.015	Circular	1.00	-	5.1	5.1	5.1	5.2
Z5_PIPE_85	Z5_IL_4899	Z5_OF_4397	G6	40	0.024	Circular	1.00	-	1.4	1.9	2.5	3.4
Z5_PIPE_850	Z5_MH_4035	Z5_MH_3878	G6	230	0.015	Circular	3.00	-	36.3	48.4	64.3	81.8
Z5_PIPE_851	Z5_IL_3193	Z5_MH_4167	H5	22	0.010	Circular	1.50	-	3.3	4.2	5.3	6.9
Z5_PIPE_86	Z5_IL_2599	Z5_IL_2598	G7	57	0.015	Circular	1.25	-	9.7	11.4	13.6	13.6
Z5_PIPE_87	Z5_IL_2598	Z5_MH_3891	G7	28	0.015	Circular	1.00	-	8.0	7.6	8.3	9.0
Z5_PIPE_876	Z5_IL_2044	Z5_IL_2042	E6	78	0.010	Circular	1.00	-	1.1	1.6	2.3	3.4
Z5_PIPE_877	Z5_IL_2042	Z5_IL_2043	E6	35	0.010	Circular	1.00	-	1.1	1.6	2.3	3.4
Z5_PIPE_878	Z5_IL_2043	Z5_IL_2045	E6	36	0.010	Circular	1.50	-	1.1	1.6	2.3	3.4
Z5_PIPE_879	Z5_IL_2045	Z5_IL_2046	E6	54	0.010	Circular	1.50	-	1.1	1.6	2.3	3.4
Z5_PIPE_88	Z5_IL_2597	Z5_MH_4359	G7	27	0.015	Circular	1.50	-	0.0	0.1	0.9	3.3
Z5_PIPE_880	Z5_IL_2046	Z5_SGIL_4708	E6	120	0.010	Circular	1.50	-	1.7	2.5	3.6	5.3
Z5_PIPE_881	Z5_SGIL_4708	Z5_MH_3824	F5	108	0.010	Circular	1.50	-	2.6	3.8	5.5	8.0
Z5_PIPE_882	Z5_IL_2051	Z5_IL_2046	E6	35	0.010	Circular	1.50	-	0.6	0.9	1.3	1.9
Z5_PIPE_883	Z5_IL_2052	Z5_IL_2051	E6	53	0.010	Circular	1.00	-	0.6	0.9	1.3	1.9
Z5_PIPE_884	Z5_IL_2059	Z5_IL_2052	F5	89	0.010	Circular	1.25	-	0.6	0.9	1.3	1.9
Z5_PIPE_885	Z5_IL_2048	Z5_SGIL_4708	F5	34	0.010	Circular	1.50	-	0.9	1.3	1.9	2.7
Z5_PIPE_888	Z5_IL_2058	Z5_IL_2059	F5	54	0.010	Circular	1.00	-	0.6	0.9	1.3	1.9
Z5_PIPE_89	Z5_IL_2592	Z5_IL_2597	G7	7	0.015	Circular	1.00	-	0.0	0.0	0.5	0.8
Z5_PIPE_891	Z5_MH_3773	Z5_SGIL_4712	H5	127	0.015	Circular	2.50	-	49.7	49.7	49.7	49.7
Z5_PIPE_892	Z5_SGIL_4712	Z5_OF_4369	G6	128	0.015	Circular	2.50	-	71.9	71.9	71.9	71.9
Z5_PIPE_90	Z5_MH_3891	Z5_MH_4358	G7	161	0.015	Circular	1.00	-	7.4	7.3	7.4	7.5
Z5_PIPE_91	Z5_MH_4358	Z5_MH_3857	G7	206	0.015	Circular	1.00	-	8.6	8.8	9.0	8.9
Z5_PIPE_92	Z5_IL_2591	Z5_MH_3891	G7	24	0.015	Circular	1.00	-	3.1	3.4	6.3	1.8
Z5_PIPE_93	Z5_MH_4359	Z5_IL_2591	G7	34	0.015	Circular	1.50	-	1.9	5.5	6.0	3.0
Z5_PIPE_94	Z5_IL_2601	Z5_IL_2600	G7	40	0.015	Circular	1.00	-	1.7	1.8	1.9	2.0
Z5_PIPE_95	Z5_IL_2602	Z5_IL_2601	G7	232	0.015	Circular	1.00	-	0.9	1.2	1.6	2.2
Z5_PIPE_96	Z5_IL_2603	Z5_IL_2602	G7	36	0.015	Circular	1.00	-	0.9	1.2	1.6	2.2
Z5_PIPE_960	Z5_IL_1168	Z5_IL_1169	H5	38	0.015	Circular	1.50	-	7.1	8.4	10.1	12.6
Z5_PIPE_97	Z5_IL_2600	Z5_MH_3857	G7	270	0.015	Circular	1.00	-	2.8	2.9	3.6	2.4
Z5_PIPE_989	Z5_IL_995	Z5_IL_996	F6	61	0.015	Circular	1.25	-	7.9	11.0	12.8	14.1
Z5_PIPE_990	Z5_IL_998	Z5_IL_997	F6	174	0.015	Circular	2.00	-	9.9	11.0	12.2	14.1
Z5_PIPE_991	Z5_IL_999	Z5_IL_998	F6	111	0.015	Circular	2.00	-	9.9	11.0	12.2	14.1
Z5_PIPE_992	Z5_IL_1000	Z5_IL_999	F6	95	0.015	Circular	1.00	-	9.3	10.2	11.1	12.6
Z5_PIPE_993	Z5_IL_3438	Z5_MH_3773	H5	47	0.015	Rectangular	2.00	2.00	6.9	6.9	25.9	24.7
Z5_PIPE_994	Z5_IL_1414	Z5_MH_3773	G6	82	0.015	Circular	2.25	-	28.1	28.1	28.1	28.1
Z6_PIPE_1377	Z6_IL_1148	Z6_MH_1681	G8	5	0.015	Circular	1.50	-	3.0	4.0	5.3	7.4

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**Zone 5 East Existing Pipes**

Link ID*	From Node	To Node	County Grid #	Length (ft)	Manning's N	Shape	Max Depth (ft)	Bottom Width (ft)	Max Q (cfs)			
									5Yr	10Yr	25Yr	100Yr
Z6_PIPE_844	Z6_IL_1147	Z6_MH_1680	G8	2	0.015	Circular	1.00	-	0.8	1.1	1.4	1.9
Z6_PIPE_846	Z6_MH_1681	Z6_IL_1149	G8	61	0.015	Circular	1.50	-	3.6	4.8	6.3	8.7
Z6_PIPE_847	Z6_MH_1740	Z6_MH_1681	G8	71	0.010	Circular	1.50	-	0.8	1.1	1.4	1.9
Z6_PIPE_848	Z6_MH_1680	Z6_MH_1740	G8	74	0.010	Circular	1.00	-	0.8	1.1	1.4	1.9



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Zone 6 Existing Pipes

Link ID*	From Node	To Node	County Grid #	Length (ft)	Manning's N	Shape	Max Depth (ft)	Bottom Width (ft)	Max Q (cfs)			
									5Yr	10Yr	25Yr	100Yr
NEW_Z6_PIPE_1000	NEW_Z6_IL_1000	Z6_MH_1732	K12	561	0.015	Circular	2.00	-	37.7	49.7	61.5	74.6
NEW_Z6_PIPE_1001	Z6_IL_1508	NEW_Z6_MH_1001	H10	139	0.015	Circular	2.00	-	10.8	13.0	13.7	14.9
NEW_Z6_PIPE_1002	NEW_Z6_MH_1001	NEW_Z6_MH_1002	H10	216	0.015	Circular	2.00	-	10.8	13.0	13.7	14.9
NEW_Z6_PIPE_1003	NEW_Z6_MH_1002	NEW_Z6_IL_1003	H10	32	0.015	Circular	2.00	-	10.8	13.0	13.7	14.9
NEW_Z6_PIPE_1004	NEW_Z6_IL_1003	Z6_MH_1565	H10	91	0.015	Circular	2.00	-	10.8	13.0	13.8	15.3
Z6_CHANNEL_109	Z6_OF_1904	Z6_IL_2320	L13	1578	0.025	Trapezoidal	5.00	2.00	2.6	6.1	10.8	15.5
Z6_CHANNEL_110	Z6_OF_2265	Z6_IL_2172	M13	381	0.025	Trapezoidal	5.00	3.00	5.3	7.7	14.7	22.2
Z6_CHANNEL_112	Z6_OF_2220	Z6_IL_2254	K12	17	0.025	Trapezoidal	5.00	5.00	16.2	22.3	30.1	96.0
Z6_CHANNEL_118	Z6_OF_2074	Z6_IL_2151	J10	866	0.025	Trapezoidal	5.00	5.00	12.8	16.4	18.5	19.6
Z6_CHANNEL_122	Z6_OF_1923	Z6_OF_1922	O14	118	0.025	Trapezoidal	5.00	2.00	1.5	1.9	2.6	3.6
Z6_CHANNEL_126	Z6_OF_1831	Z6_IL_2273	L13	600	0.025	Trapezoidal	5.00	2.00	1.5	2.9	5.2	8.6
Z6_CHANNEL_130	Z6_OF_2176	Z6_IL_2261	N12	53	0.025	Trapezoidal	5.00	2.00	0.8	1.2	2.4	4.4
Z6_CHANNEL_147	Z6_OF_2177	Z6_IL_2261	N12	14	0.025	Trapezoidal	5.00	3.00	8.4	12.8	19.5	36.7
Z6_CHANNEL_148	Z6_OF_2263	Z6_IL_2260	N12	17	0.025	Trapezoidal	5.00	5.00	9.4	14.1	21.6	39.8
Z6_CHANNEL_149	Z6_OF_2029	Z6_IL_1373	J10	85	0.025	Trapezoidal	5.00	5.00	0.1	0.2	0.2	0.3
Z6_CHANNEL_150	Z6_OF_1955	Z6_IL_2302	J10	288	0.025	Trapezoidal	5.00	5.00	3.3	4.5	6.2	8.8
Z6_CHANNEL_18	Z6_OF_2214	Z6_IL_2152	J10	139	0.025	Trapezoidal	5.00	5.00	12.9	17.3	23.2	32.4
Z6_CHANNEL_19	Z6_OF_1846	Z6_IL_2152	J10	182	0.025	Trapezoidal	5.00	5.00	37.1	52.1	68.5	88.4
Z6_CHANNEL_194	Z6_OF_2206	Z6_IL_1262	J12	67	0.025	Trapezoidal	5.00	3.00	3.2	6.6	11.5	16.1
Z6_CHANNEL_203	Z6_OF_1903	Z6_IL_2144	J12	949	0.025	Trapezoidal	5.00	5.00	1.8	3.1	6.4	8.6
Z6_CHANNEL_21	Z6_OF_2210	Z6_IL_2153	J10	42	0.025	Trapezoidal	5.00	5.00	48.4	67.9	90.8	121.9
Z6_CHANNEL_22	Z6_OF_2211	Z6_IL_2154	K10	99	0.025	Trapezoidal	5.00	5.00	48.4	67.9	90.8	121.9
Z6_CHANNEL_226	Z6_IL_2301	Z6_OF_1954	J10	6	0.015	Trapezoidal	5.00	5.00	36.6	51.4	67.4	222.8
Z6_CHANNEL_23	Z6_OF_2209	Z6_IL_2301	J10	124	0.025	Trapezoidal	5.00	5.00	3.8	5.2	7.2	10.3
Z6_CHANNEL_238	Z6_OF_2069	Z6_IL_2165	H10	453	0.015	Trapezoidal	5.00	5.00	9.4	13.0	17.9	25.2
Z6_CHANNEL_242	Z6_OF_2202	Z6_IL_2141	M12	27	0.025	Trapezoidal	5.00	3.00	10.7	15.6	136.5	213.1
Z6_CHANNEL_243	Z6_OF_2203	Z6_IL_2142	M12	55	0.025	Trapezoidal	5.00	3.00	10.8	15.8	27.6	42.9
Z6_CHANNEL_250	Z6_OF_1907	Z6_IL_2264	M13	252	0.015	Trapezoidal	5.00	2.00	5.3	7.8	15.5	26.8
Z6_CHANNEL_255	Z6_IL_2320	Z6_IL_2140	M12	71	0.025	Trapezoidal	5.00	3.00	5.4	12.6	22.8	33.4
Z6_CHANNEL_264	Z6_OF_1976	Z6_IL_2268	K12	53	0.015	Trapezoidal	5.00	5.00	3.0	6.1	10.9	13.9
Z6_CHANNEL_268	Z6_OF_2013	Z6_IL_2320	L12	680	0.025	Trapezoidal	5.00	3.00	3.0	7.1	12.7	18.5
Z6_CHANNEL_378	Z6_OF_1912	Z6_OF_1921	O14	278	0.025	Trapezoidal	5.00	5.00	8.4	15.3	26.0	42.6
Z6_CHANNEL_379	Z6_OF_1921	Z6_OF_1920	O14	749	0.025	Trapezoidal	5.00	5.00	9.1	16.4	27.5	44.8
Z6_CHANNEL_380	Z6_OF_1920	Z6_OF_1922	O14	6	0.025	Trapezoidal	5.00	5.00	10.0	17.7	29.5	47.7
Z6_CHANNEL_382	Z6_OF_1922	Z6_OF_1913	O14	301	0.025	Trapezoidal	5.00	5.00	12.8	21.6	34.9	55.5
Z6_CHANNEL_383	Z6_OF_1951	Z6_IL_2275	O13	244	0.025	Trapezoidal	5.00	5.00	13.6	22.8	36.8	58.3
Z6_CHANNEL_39	Z6_OF_2213	Z6_IL_2155	J10	19	0.025	Trapezoidal	5.00	5.00	8.6	12.1	16.6	23.8
Z6_CHANNEL_40	Z6_OF_2194	Z6_IL_2148	J10	151	0.025	Trapezoidal	5.00	5.00	3.8	5.2	6.9	9.7
Z6_CHANNEL_407	Z6_OF_1906	Z6_OF_1908	M13	228	0.015	Trapezoidal	5.00	2.00	3.2	5.1	10.1	18.4
Z6_CHANNEL_408	Z6_OF_1908	Z6_OF_1907	M13	11	0.015	Trapezoidal	5.00	2.00	3.9	5.8	11.5	21.2
Z6_CHANNEL_411	Z6_OF_1905	Z6_OF_1904	L13	49	0.025	Trapezoidal	5.00	2.00	0.7	1.5	2.3	3.5
Z6_CHANNEL_412	Z6_OF_2021	Z6_IL_2345	L12	372	0.025	Trapezoidal	5.00	2.00	0.8	1.7	2.6	3.8
Z6_CHANNEL_414	Z6_OF_2185	Z6_IL_2345	M12	265	0.025	Trapezoidal	5.00	3.00	2.2	4.9	9.1	12.7
Z6_CHANNEL_415	Z6_IL_2345	Z6_OF_2013	L12	494	0.025	Trapezoidal	5.00	3.00	2.7	6.5	11.6	16.4
Z6_CHANNEL_416	Z6_OF_2186	Z6_OF_2185	L12	446	0.025	Trapezoidal	5.00	3.00	1.3	3.1	5.7	7.3
Z6_CHANNEL_419	Z6_IL_2322	Z6_IL_2321	L12	118	0.025	Trapezoidal	5.00	5.00	5.3	10.2	18.7	24.1
Z6_CHANNEL_420	Z6_OF_2005	Z6_OF_2004	L12	342	0.025	Trapezoidal	5.00	5.00	4.6	9.0	16.3	18.9
Z6_CHANNEL_421	Z6_OF_2173	Z6_IL_2346	L12	127	0.025	Trapezoidal	20.00	20.00	0.2	0.4	0.7	1.3
Z6_CHANNEL_422	Z6_OF_2007	Z6_IL_2346	L12	277	0.025	Trapezoidal	20.00	20.00	3.5	5.6	8.4	12.3
Z6_CHANNEL_423	Z6_IL_2346	Z6_OF_2008	L12	132	0.025	Trapezoidal	20.00	20.00	3.6	5.9	9.0	13.4
Z6_CHANNEL_435	Z6_OF_2189	Z6_IL_1283	K14	12	0.015	Trapezoidal	5.00	10.00	18.0	30.5	47.6	78.0
Z6_CHANNEL_436	Z6_OF_2278	Z6_IL_1283	K14	41	0.025	Trapezoidal	5.00	5.00	0.0	0.0	0.0	0.2
Z6_CHANNEL_44	Z6_OF_2208	Z6_IL_2233	J10	166	0.025	Trapezoidal	5.00	5.00	3.8	5.2	6.9	9.7
Z6_CHANNEL_465	Z6_OF_1902	Z6_OF_1903	J12	234	0.025	Trapezoidal	5.00	5.00	1.3	2.4	4.7	5.6
Z6_CHANNEL_488	Z6_OF_2191	Z6_IL_2301	J10	12	0.025	Trapezoidal	5.00	5.00	32.9	46.2	60.3	77.9
Z6_CHANNEL_489	Z6_OF_1954	Z6_IL_2157	J10	5	0.025	Trapezoidal	5.00	5.00	37.1	52.1	68.5	183.2
Z6_CHANNEL_492	Z6_IL_2302	Z6_IL_2150	J10	217	0.025	Trapezoidal	5.00	5.00	3.3	4.5	6.1	8.7
Z6_CHANNEL_78	Z6_OF_2022	Z6_IL_2255	K12	511	0.025	Trapezoidal	20.00	20.00	16.1	22.2	30.0	40.6
Z6_CHANNEL_79	Z6_OF_2004	Z6_IL_2322	L12	941	0.025	Trapezoidal	5.00	5.00	5.2	10.0	18.5	23.0
Z6_CHANNEL_80	Z6_OF_1913	Z6_OF_1951	O13	560	0.025	Trapezoidal	5.00	5.00	13.4	22.3	36.0	57.0
Z6_CHANNEL_9	Z6_OF_1994	Z6_IL_2156	K9	1619	0.025	Trapezoidal	5.00	2.00	6.3	7.9	9.9	12.7
Z6_CHANNEL_90	Z6_OF_1901	Z6_CB_160	K12	289	0.025	Trapezoidal	5.00	5.00	0.4	0.6	0.9	1.3
Z6_CHANNEL_91	Z6_OF_2008	Z6_IL_2256	L12	558	0.025	Trapezoidal	20.00	20.00	3.8	6.5	10.0	14.9
Z6_CHANNEL_92	Z6_OF_2174	Z6_IL_2321	L12	209	0.025	Trapezoidal	20.00	20.00	0.1	0.2	0.4	0.7
Z6_CHANNEL_93	Z6_OF_2187	Z6_IL_2322	L12	1356	0.025	Trapezoidal	5.00	5.00	0.2	0.5	0.9	1.4
Z6_CHANNEL_94	Z6_IL_2321	Z6_IL_2323	L12	869	0.025	Trapezoidal	5.00	5.00	5.4	10.2	18.8	24.6
Z6_PIPE_100	Z6_IL_1054	Z6_IL_909	N13	206	0.015	Circular	2.50	-	6.3	11.7	22.2	40.1
Z6_PIPE_1000	Z6_IL_597	Z6_MH_1624	H10	13	0.015	Circular	2.00	-	5.4	7.2	9.6	13.4
Z6_PIPE_1001	Z6_IL_1418	Z6_MH_1779	K12	22	0.015	Circular	1.50	-	2.8	5.8	10.5	16.8
Z6_PIPE_1003	Z6_IL_270	Z6_MH_1764	H11	112	0.015	Circular	1.00	-	0.5	0.9	1.5	2.5

\*The term "NEW" in a Link ID does not reflect the age or condition of the actual link. It is modeling nomenclature only.

Zone 6 Existing Pipes

Link ID*	From Node	To Node	County Grid #	Length (ft)	Manning's N	Shape	Max Depth (ft)	Bottom Width (ft)	Max Q (cfs)			
									5Yr	10Yr	25Yr	100Yr
Z6_PIPE_1008	Z6_MH_1779	Z6_IL_1419	K12	219	0.015	Circular	1.50	-	3.0	6.1	10.9	13.9
Z6_PIPE_101	Z6_MH_1715	Z6_IL_959	L11	35	0.015	Circular	0.67	-	3.2	4.2	5.3	6.3
Z6_PIPE_1010	Z6_IL_934	Z6_MH_2266	L12	111	0.015	Circular	1.50	-	0.7	1.5	2.6	3.9
Z6_PIPE_1012	Z6_MH_1539	Z6_MH_1540	H10	221	0.015	Circular	2.50	-	7.9	11.1	15.5	21.1
Z6_PIPE_1019	Z6_IL_998	Z6_CB_176	K12	184	0.015	Circular	1.50	-	9.3	10.3	10.9	11.9
Z6_PIPE_102	Z6_IL_959	Z6_OF_1896	L11	20	0.015	Circular	1.00	-	3.2	4.2	5.3	6.3
Z6_PIPE_1020	Z6_CB_176	Z6_IL_1405	K12	85	0.015	Circular	1.50	-	8.7	8.9	9.4	10.0
Z6_PIPE_1021	Z6_IL_922	Z6_IL_921	L13	29	0.015	Circular	1.25	-	0.5	1.2	2.2	3.8
Z6_PIPE_1022	Z6_IL_921	Z6_IL_939	L12	283	0.024	Circular	1.25	-	0.5	1.2	2.2	3.8
Z6_PIPE_1025	Z6_IL_588	Z6_OF_1963	H9	70	0.010	Circular	1.00	-	0.1	0.1	0.1	0.2
Z6_PIPE_1027	Z6_MH_1575	Z6_IL_589	H9	124	0.015	Circular	1.00	-	2.0	2.7	3.7	5.1
Z6_PIPE_1028	Z6_MH_1576	Z6_MH_1575	H9	71	0.015	Circular	1.00	-	2.0	2.7	3.7	5.1
Z6_PIPE_1029	Z6_IL_590	Z6_MH_1576	H9	45	0.015	Circular	1.00	-	0.5	0.7	0.9	1.3
Z6_PIPE_103	Z6_IL_1028	Z6_IL_1029	M13	21	0.015	Circular	1.00	-	0.3	0.5	0.7	1.0
Z6_PIPE_1030	Z6_IL_441	Z6_IL_442	H10	26	0.015	Circular	1.50	-	2.8	3.9	5.4	7.8
Z6_PIPE_1031	Z6_IL_442	Z6_IL_487	H10	271	0.015	Circular	1.75	-	2.8	3.9	5.4	7.8
Z6_PIPE_1032	Z6_IL_487	Z6_MH_1558	H10	194	0.015	Circular	1.75	-	2.8	3.9	5.4	7.8
Z6_PIPE_104	Z6_IL_1029	Z6_OF_1897	M13	137	0.010	Circular	1.00	-	0.3	0.5	0.7	1.0
Z6_PIPE_1044	Z6_IL_452	Z6_IL_457	H9	109	0.010	Circular	1.50	-	1.4	1.9	2.6	3.6
Z6_PIPE_1045	Z6_IL_457	Z6_IL_453	H9	119	0.010	Circular	1.50	-	1.4	1.9	2.6	3.6
Z6_PIPE_1046	Z6_IL_455	Z6_IL_453	H9	50	0.010	Circular	1.50	-	1.7	2.3	3.1	4.4
Z6_PIPE_1047	Z6_IL_402	Z6_IL_403	K12	61	0.010	Circular	1.00	-	1.7	2.5	3.7	5.3
Z6_PIPE_1048	Z6_IL_403	Z6_IL_404	K12	57	0.010	Circular	1.00	-	2.2	3.3	4.7	6.8
Z6_PIPE_1049	Z6_IL_404	Z6_IL_405	K12	78	0.010	Circular	1.00	-	2.2	3.3	4.7	6.8
Z6_PIPE_105	Z6_IL_1027	Z6_IL_1026	M13	24	0.015	Circular	1.00	-	0.3	0.5	0.7	1.0
Z6_PIPE_1050	Z6_IL_405	Z6_IL_406	K12	15	0.010	Circular	1.00	-	2.2	3.3	4.7	6.8
Z6_PIPE_1051	Z6_IL_406	Z6_IL_407	K12	64	0.010	Circular	1.50	-	4.6	6.6	9.2	12.9
Z6_PIPE_1052	Z6_IL_407	Z6_IL_408	K12	21	0.010	Circular	1.50	-	5.4	7.7	10.7	14.9
Z6_PIPE_1053	Z6_IL_408	Z6_SGIL_2098	K12	125	0.010	Circular	1.50	-	5.4	7.7	10.7	14.9
Z6_PIPE_1054	Z6_MH_1557	Z6_MH_1556	K12	24	0.010	Circular	1.50	-	0.4	0.6	0.8	1.1
Z6_PIPE_1055	Z6_IL_410	Z6_IL_409	K12	29	0.010	Circular	1.00	-	1.7	2.4	3.2	4.5
Z6_PIPE_106	Z6_IL_1026	Z6_OF_2066	M13	132	0.024	Circular	1.00	-	0.3	0.5	0.7	1.0
Z6_PIPE_1061	Z6_IL_229	Z6_IL_228	N13	60	0.015	Circular	1.00	-	0.7	1.0	1.4	2.0
Z6_PIPE_1062	Z6_IL_227	Z6_SGIL_2089	N13	63	0.015	Circular	1.25	-	1.3	2.1	3.4	5.3
Z6_PIPE_1063	Z6_SGIL_2089	Z6_OF_1937	O13	280	0.024	Circular	1.25	-	1.3	2.1	3.4	5.3
Z6_PIPE_1064	Z6_SGIL_2090	Z6_OF_1938	N13	23	0.015	Circular	1.00	-	0.6	0.9	1.4	2.1
Z6_PIPE_1065	Z6_MH_1542	Z6_SGIL_2090	N13	37	0.015	Circular	1.00	-	0.6	0.9	1.4	2.1
Z6_PIPE_1066	Z6_IL_236	Z6_MH_1542	N13	74	0.015	Circular	1.00	-	0.6	0.9	1.4	2.1
Z6_PIPE_1067	Z6_IL_237	Z6_IL_236	N13	302	0.015	Circular	1.00	-	0.3	0.4	0.6	1.0
Z6_PIPE_1068	Z6_IL_238	Z6_IL_237	N13	112	0.015	Circular	1.00	-	0.3	0.4	0.6	1.0
Z6_PIPE_1071	Z6_IL_514	Z6_IL_513	H10	65	0.010	Circular	2.00	-	4.8	6.4	8.7	12.1
Z6_PIPE_1072	Z6_MH_1561	Z6_IL_514	H10	26	0.010	Circular	2.00	-	4.8	6.4	8.7	12.1
Z6_PIPE_1074	Z6_MH_1562	Z6_MH_1561	H10	324	0.010	Circular	2.00	-	4.3	5.7	7.6	10.6
Z6_PIPE_1075	Z6_IL_516	Z6_MH_1562	H10	6	0.010	Circular	1.00	-	0.8	1.2	1.7	2.5
Z6_PIPE_1076	Z6_IL_517	Z6_MH_1562	H10	27	0.010	Circular	2.00	-	3.5	4.5	5.9	8.1
Z6_PIPE_1077	Z6_IL_519	Z6_IL_518	H10	50	0.010	Circular	1.50	-	3.5	4.5	5.9	8.1
Z6_PIPE_1082	Z6_IL_330	Z6_IL_329	P14	141	0.015	Circular	1.00	-	0.7	0.9	1.1	1.5
Z6_PIPE_1083	Z6_IL_329	Z6_SGIL_2095	P14	26	0.015	Circular	1.00	-	0.7	0.9	1.1	1.5
Z6_PIPE_1084	Z6_SGIL_2095	Z6_IL_332	P14	36	0.015	Circular	1.00	-	0.7	0.9	1.1	1.5
Z6_PIPE_1085	Z6_IL_331	Z6_IL_333	P14	40	0.015	Circular	1.00	-	0.7	0.9	1.1	1.4
Z6_PIPE_1086	Z6_IL_333	Z6_IL_334	P14	66	0.015	Circular	1.00	-	0.7	0.9	1.1	1.4
Z6_PIPE_1087	Z6_IL_334	Z6_IL_335	P14	22	0.015	Circular	1.00	-	0.7	0.9	1.1	1.4
Z6_PIPE_1088	Z6_IL_335	Z6_IL_336	P14	88	0.015	Circular	1.00	-	0.7	0.9	1.1	1.4
Z6_PIPE_1089	Z6_IL_338	Z6_IL_351	P14	11	0.015	Circular	1.00	-	0.7	0.9	1.1	1.4
Z6_PIPE_109	Z6_IL_1499	Z6_IL_1402	K12	91	0.015	Circular	1.50	-	2.1	4.5	8.2	13.5
Z6_PIPE_1090	Z6_IL_351	Z6_IL_339	P14	37	0.015	Circular	1.00	-	1.3	1.6	2.0	2.6
Z6_PIPE_1091	Z6_IL_336	Z6_IL_337	P14	159	0.015	Circular	1.00	-	0.7	0.9	1.1	1.4
Z6_PIPE_1092	Z6_IL_337	Z6_IL_338	P14	108	0.015	Circular	1.00	-	0.7	0.9	1.1	1.4
Z6_PIPE_1093	Z6_IL_346	Z6_IL_347	P14	55	0.010	Circular	1.00	-	2.4	3.4	4.6	6.5
Z6_PIPE_1094	Z6_IL_347	Z6_IL_348	P14	90	0.010	Circular	1.00	-	2.8	3.8	5.1	7.2
Z6_PIPE_1095	Z6_IL_348	Z6_IL_349	P14	138	0.010	Circular	1.00	-	2.8	3.8	5.1	7.9
Z6_PIPE_1096	Z6_IL_349	Z6_IL_350	P14	161	0.010	Circular	1.00	-	3.4	4.6	6.2	8.7
Z6_PIPE_1097	Z6_IL_350	Z6_OF_2043	O15	21	0.024	Circular	1.00	-	4.3	5.7	7.6	10.4
Z6_PIPE_1098	Z6_IL_339	Z6_IL_346	P14	31	0.024	Circular	1.00	-	1.3	1.6	2.0	2.6
Z6_PIPE_1099	Z6_IL_351	Z6_SGIL_2096	P14	24	0.015	Circular	1.00	-	0.4	0.4	0.5	0.7
Z6_PIPE_11	Z6_IL_1436	Z6_MH_1553	O13	28	0.010	Circular	1.00	-	0.0	0.0	0.0	0.0
Z6_PIPE_1100	Z6_SGIL_2096	Z6_IL_347	P14	46	0.010	Circular	1.00	-	0.4	0.4	0.5	0.7
Z6_PIPE_1105	Z6_MH_1565	Z6_IL_534	H10	31	0.015	Circular	3.00	-	11.2	13.9	15.0	16.7
Z6_PIPE_1107	Z6_IL_534	Z6_MH_1566	H10	77	0.010	Circular	3.00	-	11.2	13.9	15.0	16.7
Z6_PIPE_1110	Z6_MH_1566	Z6_SGMH_2134	J10	53	0.010	Circular	3.00	-	13.0	16.5	18.5	21.5

\*The term "NEW" in a Link ID does not reflect the age or condition of the actual link. It is modeling nomenclature only.

Zone 6 Existing Pipes

Link ID*	From Node	To Node	County Grid #	Length (ft)	Manning's N	Shape	Max Depth (ft)	Bottom Width (ft)	Max Q (cfs)			
									5Yr	10Yr	25Yr	100Yr
Z6_PIPE_1112	Z6_IL_571	Z6_IL_570	H10	77	0.010	Circular	2.00	-	5.5	7.5	10.3	14.5
Z6_PIPE_1113	Z6_IL_572	Z6_IL_571	H10	92	0.010	Circular	2.00	-	5.5	7.5	10.3	14.5
Z6_PIPE_1114	Z6_IL_570	Z6_MH_1568	H10	13	0.010	Circular	2.00	-	6.0	8.2	11.2	15.9
Z6_PIPE_1115	Z6_MH_1568	Z6_MH_1569	H10	140	0.010	Circular	2.50	-	6.0	8.2	11.2	15.9
Z6_PIPE_1116	Z6_MH_1569	Z6_MH_1570	J10	221	0.010	Circular	2.50	-	6.0	8.2	11.2	15.9
Z6_PIPE_1117	Z6_MH_1570	Z6_MH_1571	J10	441	0.015	Circular	2.50	-	5.9	8.1	11.2	15.9
Z6_PIPE_1118	Z6_MH_1571	Z6_MH_1572	J9	222	0.015	Circular	2.50	-	6.1	8.4	11.7	16.7
Z6_PIPE_1119	Z6_MH_1572	Z6_OF_5564	J9	62	0.010	Circular	2.50	-	6.1	8.5	11.7	16.7
Z6_PIPE_112	Z6_IL_2156	Z6_MH_2238	J10	18	0.010	Circular	2.50	-	8.1	10.5	13.5	18.2
Z6_PIPE_1120	Z6_IL_513	Z6_IL_572	H10	88	0.010	Circular	2.00	-	5.3	7.1	9.7	13.7
Z6_PIPE_113	Z6_MH_2238	Z6_IL_879	J10	6	0.015	Circular	2.50	-	12.9	17.3	23.2	32.6
Z6_PIPE_1132	Z6_SGIL_2102	Z6_OF_5561	O13	155	0.015	Circular	1.00	-	0.7	1.0	1.4	2.1
Z6_PIPE_1135	Z6_IL_555	Z6_OF_1952	P13	80	0.015	Circular	1.00	-	1.1	1.3	1.6	2.1
Z6_PIPE_1136	Z6_SGIL_2088	Z6_IL_235	H9	190	0.015	Circular	1.00	-	0.8	1.0	1.3	1.8
Z6_PIPE_1137	Z6_IL_235	Z6_OF_1967	H9	104	0.015	Circular	1.00	-	0.8	1.0	1.3	1.8
Z6_PIPE_1138	Z6_IL_293	Z6_IL_292	O14	158	0.015	Circular	1.50	-	1.8	2.6	3.8	5.7
Z6_PIPE_1139	Z6_IL_1271	Z6_IL_293	O14	140	0.015	Circular	1.50	-	1.0	1.5	2.2	3.2
Z6_PIPE_114	Z6_IL_879	Z6_OF_2214	J10	63	0.024	Circular	2.50	-	12.9	17.3	23.2	32.5
Z6_PIPE_1140	Z6_IL_294	Z6_SGIL_2092	O14	22	0.015	Circular	1.25	-	0.3	0.5	0.7	1.0
Z6_PIPE_1141	Z6_IL_251	Z6_MH_1549	P14	25	0.015	Circular	1.00	-	1.8	2.6	3.7	5.3
Z6_PIPE_1142	Z6_IL_209	Z6_MH_1549	P14	30	0.015	Circular	1.00	-	1.8	2.6	3.5	5.5
Z6_PIPE_1143	Z6_SGIL_2093	Z6_IL_295	O13	24	0.010	Circular	1.00	-	1.6	2.4	3.3	4.4
Z6_PIPE_1144	Z6_IL_296	Z6_SGIL_2093	O13	52	0.010	Circular	1.00	-	1.6	2.4	3.3	4.4
Z6_PIPE_1145	Z6_IL_297	Z6_IL_296	O13	177	0.010	Circular	1.00	-	0.0	0.0	0.0	0.0
Z6_PIPE_1146	Z6_CB_108	Z6_MH_1620	J11	142	0.024	Circular	1.00	-	1.3	1.8	2.5	3.6
Z6_PIPE_1147	Z6_MH_1620	Z6_MH_1621	J11	150	0.024	Circular	1.00	-	1.3	1.8	2.5	3.6
Z6_PIPE_1148	Z6_IL_738	Z6_IL_379	J10	21	0.015	Circular	1.25	-	3.1	4.2	5.6	7.8
Z6_PIPE_1149	Z6_IL_379	Z6_OF_1944	J10	272	0.024	Circular	1.50	-	3.1	4.2	5.6	7.8
Z6_PIPE_1150	Z6_MH_1621	Z6_OF_2049	J11	42	0.024	Circular	1.00	-	1.3	1.8	2.5	3.6
Z6_PIPE_1151	Z6_IL_1385	Z6_MH_1782	P14	14	0.015	Circular	1.00	-	0.0	0.0	0.0	0.0
Z6_PIPE_1152	Z6_IL_726	Z6_IL_727	M12	51	0.015	Circular	1.00	-	0.1	0.2	0.5	0.8
Z6_PIPE_1153	Z6_IL_727	Z6_IL_728	M12	25	0.015	Circular	1.00	-	0.1	0.2	0.5	0.8
Z6_PIPE_1154	Z6_IL_728	Z6_OF_2011	M12	85	0.015	Circular	1.00	-	0.3	0.7	1.3	2.2
Z6_PIPE_1157	Z6_IL_633	Z6_IL_634	K11	34	0.024	Circular	1.00	-	0.7	1.0	1.3	1.9
Z6_PIPE_1158	Z6_IL_634	Z6_IL_635	K11	71	0.015	Circular	1.00	-	0.7	1.0	1.3	1.9
Z6_PIPE_1159	Z6_IL_636	Z6_IL_637	K11	116	0.015	Circular	1.25	-	4.9	6.9	9.5	11.9
Z6_PIPE_1160	Z6_IL_635	Z6_IL_636	K11	130	0.015	Circular	1.25	-	4.9	6.9	9.5	11.9
Z6_PIPE_1161	Z6_IL_637	Z6_IL_638	K11	109	0.015	Circular	1.50	-	5.0	7.1	9.9	12.5
Z6_PIPE_1162	Z6_IL_638	Z6_IL_639	K11	120	0.015	Circular	1.50	-	5.0	7.1	9.9	12.5
Z6_PIPE_1163	Z6_IL_639	Z6_IL_640	K11	102	0.015	Circular	1.50	-	5.0	7.1	9.9	12.6
Z6_PIPE_1171	Z6_MH_2226	Z6_MH_1567	H10	55	0.015	Circular	3.50	-	23.3	32.2	44.8	64.4
Z6_PIPE_1172	Z6_IL_2164	Z6_MH_2226	H10	24	0.015	Circular	3.00	-	17.1	23.5	32.4	46.1
Z6_PIPE_1173	Z6_MH_1623	Z6_MH_2226	H10	274	0.015	Circular	3.50	-	6.4	9.0	12.7	18.7
Z6_PIPE_1174	Z6_IL_1105	Z6_MH_1623	H10	23	0.015	Circular	1.50	-	0.0	0.0	0.0	0.0
Z6_PIPE_1175	Z6_MH_1624	Z6_MH_1623	H10	250	0.015	Circular	3.50	-	6.4	9.0	12.7	18.7
Z6_PIPE_1179	Z6_IL_1401	Z6_IL_1400	K11	80	0.015	Circular	1.00	-	6.9	8.4	9.4	11.0
Z6_PIPE_1191	Z6_IL_1368	Z6_MH_2277	P13	151	0.015	Circular	2.00	-	1.3	1.6	2.0	2.6
Z6_PIPE_1192	Z6_MH_2277	Z6_OF_5567	P13	308	0.015	Circular	3.00	-	5.7	8.3	13.1	24.5
Z6_PIPE_1194	Z6_MH_2276	Z6_OF_2178	P13	18	0.015	Circular	1.00	-	1.9	2.6	3.6	5.1
Z6_PIPE_1195	Z6_IL_486	Z6_MH_2276	P13	42	0.015	Circular	1.00	-	0.0	0.0	0.0	0.0
Z6_PIPE_1198	Z6_IL_989	Z6_MH_2276	P13	116	0.015	Circular	1.00	-	1.9	2.6	3.6	5.1
Z6_PIPE_120	Z6_IL_870	Z6_IL_2231	J10	208	0.015	Circular	1.00	-	1.9	2.7	4.0	5.8
Z6_PIPE_1200	Z6_IL_1371	Z6_OF_1953	O15	19	0.024	Circular	1.50	-	0.2	0.3	0.4	0.5
Z6_PIPE_1201	Z6_IL_2172	Z6_OF_2177	N12	114	0.015	Circular	3.00	-	8.4	12.8	19.5	36.7
Z6_PIPE_1202	Z6_IL_2261	Z6_OF_2263	N12	54	0.015	Circular	3.00	-	9.4	14.1	21.6	39.8
Z6_PIPE_1203	Z6_IL_2260	Z6_IL_775	N12	70	0.015	Circular	3.00	-	10.2	15.2	23.6	42.4
Z6_PIPE_1204	Z6_MH_2237	Z6_MH_2238	J10	37	0.015	Circular	1.50	-	6.0	8.4	11.8	16.9
Z6_PIPE_1205	Z6_IL_880	Z6_MH_2237	J10	12	0.015	Circular	1.00	-	0.0	0.0	0.0	0.3
Z6_PIPE_1206	Z6_IL_1374	Z6_OF_1955	J10	54	0.015	Circular	1.00	-	0.0	0.0	0.0	0.0
Z6_PIPE_121	Z6_IL_2231	Z6_IL_871	K10	353	0.015	Circular	1.00	-	1.9	2.7	4.0	5.8
Z6_PIPE_1210	Z6_IL_332	Z6_MH_1782	P15	14	0.015	Circular	1.00	-	1.3	1.7	2.2	3.0
Z6_PIPE_1211	Z6_MH_1782	Z6_MH_1783	P14	111	0.015	Circular	1.00	-	1.2	1.7	2.2	3.0
Z6_PIPE_1212	Z6_MH_1783	Z6_MH_1550	P14	242	0.015	Circular	1.00	-	1.2	1.7	2.2	3.0
Z6_PIPE_1216	Z6_MH_1656	Z6_MH_1655	O14	97	0.015	Circular	1.00	-	0.2	0.4	0.6	0.9
Z6_PIPE_1217	Z6_IL_753	Z6_MH_1655	O13	194	0.015	Circular	2.00	-	5.5	7.7	10.9	15.8
Z6_PIPE_1218	Z6_IL_754	Z6_IL_753	O13	60	0.015	Circular	1.25	-	2.3	3.3	4.7	6.9
Z6_PIPE_1219	Z6_IL_720	Z6_IL_753	O13	394	0.015	Circular	1.50	-	2.6	3.5	4.8	6.8
Z6_PIPE_122	Z6_IL_867	Z6_SGIL_2115	J10	621	0.015	Circular	1.25	-	3.8	4.3	4.7	5.4
Z6_PIPE_1220	Z6_IL_757	Z6_IL_758	O13	35	0.015	Circular	1.00	-	0.8	1.4	2.2	3.6
Z6_PIPE_1221	Z6_IL_759	Z6_MH_1618	N14	14	0.015	Circular	1.00	-	0.9	1.4	3.0	5.6

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Zone 6 Existing Pipes

Link ID*	From Node	To Node	County Grid #	Length (ft)	Manning's N	Shape	Max Depth (ft)	Bottom Width (ft)	Max Q (cfs)			
									5Yr	10Yr	25Yr	100Yr
Z6_PIPE_1222	Z6_IL_678	Z6_MH_1596	K11	117	0.024	Circular	1.00	-	0.8	1.0	1.3	1.8
Z6_PIPE_1223	Z6_MH_1596	Z6_OF_1991	K11	170	0.024	Circular	1.00	-	2.2	2.9	3.7	4.9
Z6_PIPE_1225	Z6_IL_677	Z6_MH_1596	K11	158	0.024	Circular	1.00	-	0.6	0.8	1.0	1.4
Z6_PIPE_1226	Z6_IL_681	Z6_IL_680	N13	34	0.015	Circular	1.00	-	1.2	1.9	2.8	4.3
Z6_PIPE_1227	Z6_IL_682	Z6_IL_683	N13	34	0.015	Circular	1.00	-	0.8	1.3	2.2	3.5
Z6_PIPE_1228	Z6_IL_781	Z6_IL_782	M13	258	0.024	Circular	1.00	-	0.5	1.1	2.1	3.7
Z6_PIPE_1229	Z6_IL_740	Z6_IL_741	K11	102	0.015	Circular	2.00	-	0.7	0.9	1.3	1.8
Z6_PIPE_123	Z6_IL_2244	Z6_IL_1504	K11	20	0.024	Circular	2.00	-	1.2	2.1	3.4	5.5
Z6_PIPE_1230	Z6_IL_741	Z6_IL_1213	K11	44	0.024	Circular	2.00	-	0.7	0.9	1.3	1.8
Z6_PIPE_1231	Z6_IL_742	Z6_IL_1213	K11	36	0.024	Circular	1.00	-	1.9	2.3	2.9	3.8
Z6_PIPE_1232	Z6_IL_1213	Z6_IL_743	K11	31	0.015	Circular	2.00	-	2.8	3.6	4.8	6.6
Z6_PIPE_1233	Z6_IL_743	Z6_OF_1889	K11	55	0.015	Circular	2.00	-	2.8	3.6	4.8	6.6
Z6_PIPE_1234	Z6_IL_871	Z6_MH_2235	J10	102	0.015	Circular	1.50	-	3.2	4.6	6.5	9.7
Z6_PIPE_1235	Z6_IL_744	Z6_MH_2235	J10	58	0.015	Circular	1.50	-	2.9	4.0	5.5	8.0
Z6_PIPE_1236	Z6_MH_2235	Z6_MH_2236	J10	78	0.015	Circular	1.50	-	6.0	8.4	11.8	16.9
Z6_PIPE_1237	Z6_IL_745	Z6_IL_881	J10	56	0.015	Circular	1.00	-	0.0	0.0	0.0	0.0
Z6_PIPE_1238	Z6_IL_837	Z6_MH_1695	J11	15	0.015	Circular	1.50	-	0.7	0.9	1.2	1.6
Z6_PIPE_1239	Z6_MH_1703	Z6_MH_1695	J11	175	0.015	Circular	1.50	-	2.3	2.9	3.8	5.1
Z6_PIPE_124	Z6_IL_1504	Z6_OF_1850	K11	81	0.010	Circular	2.50	-	6.4	9.5	13.6	19.7
Z6_PIPE_1240	Z6_MH_1695	Z6_IL_828	J11	25	0.015	Circular	1.50	-	2.9	3.8	4.9	6.6
Z6_PIPE_1241	Z6_MH_1625	Z6_MH_1624	H10	325	0.015	Circular	3.50	-	10.9	15.3	21.6	31.4
Z6_PIPE_1242	Z6_MH_1626	Z6_MH_1625	H10	145	0.015	Circular	2.00	-	6.8	9.6	13.6	19.7
Z6_PIPE_1243	Z6_IL_811	Z6_MH_1635	J11	22	0.010	Circular	2.50	-	3.9	7.6	13.0	18.9
Z6_PIPE_1244	Z6_MH_1635	Z6_MH_1634	J12	37	0.010	Circular	2.50	-	4.2	8.1	14.4	21.6
Z6_PIPE_1245	Z6_MH_1634	Z6_MH_1636	J11	155	0.010	Circular	2.50	-	4.2	8.1	14.4	21.6
Z6_PIPE_1246	Z6_MH_1652	Z6_MH_1653	L12	132	0.010	Circular	1.75	-	19.5	30.1	35.7	43.6
Z6_PIPE_1247	Z6_MH_1653	Z6_IL_982	L12	162	0.015	Circular	3.00	-	19.8	31.0	36.9	45.3
Z6_PIPE_1248	Z6_MH_1654	Z6_IL_731	L12	513	0.015	Circular	4.00	-	25.5	43.1	66.2	93.9
Z6_PIPE_1249	Z6_MH_1661	Z6_MH_1707	M12	130	0.010	Circular	4.00	-	26.8	44.9	69.3	98.4
Z6_PIPE_125	Z6_IL_954	Z6_IL_1504	K11	67	0.010	Circular	2.00	-	1.2	1.8	2.7	4.0
Z6_PIPE_1250	Z6_MH_1707	Z6_MH_1647	M12	58	0.010	Circular	4.00	-	37.9	57.3	93.5	142.3
Z6_PIPE_1252	Z6_IL_2099	Z6_OF_5562	O13	127	0.015	Circular	1.50	-	0.0	0.0	0.0	0.0
Z6_PIPE_1259	Z6_MH_1764	Z6_SGMH_2135	H11	176	0.015	Circular	1.00	-	0.5	0.9	1.5	2.5
Z6_PIPE_126	Z6_IL_1172	Z6_MH_2241	K10	85	0.024	Circular	1.25	-	0.1	0.2	0.4	1.0
Z6_PIPE_1261	Z6_IL_1348	Z6_SGMH_2135	J11	43	0.015	Circular	1.00	-	2.5	3.7	5.5	8.2
Z6_PIPE_1262	Z6_SGMH_2135	Z6_OF_1940	J10	123	0.015	Circular	1.75	-	3.2	5.0	7.6	11.6
Z6_PIPE_127	Z6_MH_2241	Z6_MH_2240	K10	162	0.010	Circular	2.00	-	0.1	0.2	0.4	1.0
Z6_PIPE_1276	Z6_MH_1624	Z6_IL_647	H10	53	0.015	Circular	2.00	-	9.5	13.1	17.9	25.3
Z6_PIPE_1277	Z6_MH_1786	Z6_OF_2069	H10	196	0.015	Circular	2.00	-	9.5	13.0	17.9	25.3
Z6_PIPE_1278	Z6_MH_1589	Z6_MH_1786	H10	51	0.015	Circular	2.00	-	9.5	13.1	17.9	25.3
Z6_PIPE_1279	Z6_IL_1338	Z6_IL_1428	O14	108	0.015	Circular	1.50	-	1.3	2.0	4.6	9.1
Z6_PIPE_128	Z6_MH_2240	Z6_OF_1851	K10	55	0.010	Circular	1.50	-	0.1	0.2	0.4	1.0
Z6_PIPE_1280	Z6_IL_1429	Z6_IL_1428	O14	83	0.015	Circular	1.00	-	0.2	0.3	0.6	1.1
Z6_PIPE_1281	Z6_IL_1428	Z6_IL_1430	O14	227	0.015	Circular	1.75	-	1.6	2.3	5.4	10.8
Z6_PIPE_1282	Z6_IL_1430	Z6_IL_1432	O14	86	0.015	Circular	1.75	-	1.6	2.3	5.4	10.8
Z6_PIPE_1283	Z6_CB_183	Z6_MH_1784	O14	43	0.015	Circular	1.75	-	0.0	0.0	0.0	0.0
Z6_PIPE_1284	Z6_MH_1784	Z6_MH_1785	O14	39	0.015	Circular	1.75	-	0.0	0.0	0.0	0.0
Z6_PIPE_1285	Z6_MH_1785	Z6_CB_182	O14	45	0.015	Circular	1.75	-	0.0	0.0	0.0	0.0
Z6_PIPE_1286	Z6_CB_183	Z6_CB_182	O14	37	0.015	Circular	1.75	-	1.6	2.3	5.4	10.8
Z6_PIPE_1287	Z6_CB_182	Z6_IL_996	O14	166	0.015	Circular	2.00	-	1.7	2.5	5.7	11.3
Z6_PIPE_1288	Z6_IL_1432	Z6_CB_183	O14	11	0.015	Circular	1.75	-	1.6	2.3	5.4	10.8
Z6_PIPE_1289	Z6_MH_2247	Z6_OF_2078	K11	180	0.024	Circular	1.50	-	0.6	0.8	1.1	1.5
Z6_PIPE_129	Z6_CB_130	Z6_CB_124	K10	150	0.024	Circular	1.00	-	0.0	0.1	0.1	0.3
Z6_PIPE_1290	Z6_IL_680	Z6_OF_2079	N13	127	0.015	Circular	1.00	-	1.2	1.9	2.8	4.3
Z6_PIPE_1291	Z6_IL_683	Z6_OF_2080	N13	95	0.015	Circular	1.00	-	0.8	1.3	2.2	3.5
Z6_PIPE_1294	Z6_IL_731	Z6_MH_1617	M12	14	0.015	Circular	4.00	-	25.6	43.1	66.5	94.2
Z6_PIPE_1296	Z6_MH_1647	Z6_OF_1884	M12	70	0.015	Circular	4.00	-	37.9	57.3	93.5	142.3
Z6_PIPE_1297	Z6_MH_1648	Z6_OF_5563	M12	67	0.015	Circular	4.00	-	0.2	0.4	0.7	1.7
Z6_PIPE_1299	Z6_MH_1724	Z6_OF_1911	H10	47	0.024	Circular	1.00	-	0.6	0.8	1.1	1.6
Z6_PIPE_130	Z6_CB_124	Z6_CB_123	K10	70	0.010	Circular	1.00	-	0.0	0.1	0.1	0.3
Z6_PIPE_1300	Z6_IL_592	Z6_IL_591	H9	34	0.015	Circular	1.00	-	1.6	2.1	2.8	3.9
Z6_PIPE_1301	Z6_IL_591	Z6_MH_1576	H9	101	0.015	Circular	1.00	-	1.6	2.1	2.8	3.9
Z6_PIPE_1306	Z6_IL_1413	Z6_IL_872	J10	75	0.015	Circular	1.50	-	4.2	5.4	6.9	7.7
Z6_PIPE_1307	Z6_IL_1437	Z6_IL_1413	J10	255	0.015	Circular	1.50	-	1.2	1.6	2.0	2.7
Z6_PIPE_131	Z6_MH_2239	Z6_IL_1174	K10	86	0.010	Circular	1.25	-	0.1	0.1	0.3	0.7
Z6_PIPE_1317	Z6_IL_1433	Z6_OF_2199	P13	192	0.015	Circular	1.00	-	1.0	1.3	1.7	2.3
Z6_PIPE_1323	Z6_IL_2290	Z6_IL_2289	K11	33	0.015	Circular	1.00	-	0.3	0.4	0.5	0.8
Z6_PIPE_1338	Z6_IL_395	Z6_IL_393	G9	103	0.010	Circular	1.00	-	1.6	2.1	2.7	3.6
Z6_PIPE_1339	Z6_IL_393	Z6_MH_1554	G9	37	0.010	Circular	1.50	-	1.6	2.1	2.7	3.6
Z6_PIPE_134	Z6_IL_865	Z6_MH_1685	J9	25	0.015	Circular	1.00	-	0.6	0.9	0.7	0.7

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Zone 6 Existing Pipes

Link ID*	From Node	To Node	County Grid #	Length (ft)	Manning's N	Shape	Max Depth (ft)	Bottom Width (ft)	Max Q (cfs)			
									5Yr	10Yr	25Yr	100Yr
Z6_PIPE_1343	Z6_MH_1553	Z6_OF_2198	O13	144	0.015	Circular	3.00	-	0.7	1.0	1.4	2.0
Z6_PIPE_1344	Z6_IL_2153	Z6_CB_109	J10	39	0.024	Circular	5.00	-	48.4	67.9	90.8	121.9
Z6_PIPE_1345	Z6_CB_109	Z6_CB_110	K10	71	0.024	Circular	5.00	-	48.4	67.9	90.8	121.9
Z6_PIPE_1346	Z6_IL_818	Z6_MH_1637	J11	41	0.015	Circular	2.00	-	0.3	0.4	0.6	1.0
Z6_PIPE_1347	Z6_IL_808	Z6_MH_1633	J11	75	0.015	Circular	2.00	-	4.9	9.0	16.3	24.6
Z6_PIPE_1348	Z6_IL_888	Z6_IL_2228	K10	207	0.015	Circular	1.00	-	0.6	0.9	1.4	2.1
Z6_PIPE_1349	Z6_IL_2152	Z6_OF_2210	J10	29	0.024	Circular	5.00	-	48.4	67.9	90.8	121.9
Z6_PIPE_135	Z6_CB_89	Z6_MH_1685	J9	8	0.015	Circular	1.25	-	3.9	6.5	4.5	6.2
Z6_PIPE_1350	Z6_CB_74	Z6_IL_1504	K11	120	0.024	Circular	2.00	-	4.4	6.1	8.1	11.1
Z6_PIPE_1351	Z6_CB_110	Z6_OF_2211	K10	106	0.024	Circular	5.00	-	48.4	67.9	90.8	121.9
Z6_PIPE_1352	Z6_SGIL_2127	Z6_OF_1903	J12	39	0.010	Circular	1.00	-	0.4	1.1	2.1	3.7
Z6_PIPE_1353	Z6_MH_1655	Z6_OF_1826	O13	120	0.015	Circular	4.00	-	20.7	33.3	52.5	82.6
Z6_PIPE_1354	Z6_IL_814	Z6_IL_813	J12	26	0.015	Circular	1.50	-	0.6	1.0	4.5	4.9
Z6_PIPE_1355	Z6_IL_813	Z6_SGIL_2114	J12	30	0.015	Circular	1.50	-	1.3	2.4	6.8	9.3
Z6_PIPE_1356	Z6_SGIL_2114	Z6_OF_1902	J12	26	0.015	Circular	0.83	-	1.3	2.4	4.7	5.6
Z6_PIPE_1357	Z6_IL_812	Z6_SGIL_2127	J12	58	0.015	Circular	1.00	-	0.3	0.7	1.5	2.8
Z6_PIPE_1358	Z6_MH_1665	Z6_IL_843	K11	70	0.015	Circular	3.50	-	31.5	54.9	82.0	118.5
Z6_PIPE_1360	Z6_IL_843	Z6_MH_1709	J11	101	0.015	Circular	3.50	-	31.5	54.9	82.0	118.5
Z6_PIPE_1361	Z6_MH_1709	Z6_OF_2058	J11	102	0.015	Circular	3.50	-	33.1	57.4	85.5	124.2
Z6_PIPE_1362	Z6_IL_816	Z6_MH_1806	J12	145	0.015	Circular	1.00	-	2.0	2.9	6.7	10.6
Z6_PIPE_1363	Z6_IL_2248	Z6_IL_814	J12	13	0.015	Circular	1.50	-	0.6	1.0	2.9	4.0
Z6_PIPE_1364	Z6_IL_1193	Z6_OF_1926	K12	82	0.015	Circular	3.50	-	3.9	7.9	13.4	17.1
Z6_PIPE_1365	Z6_IL_1375	Z6_OF_1936	N13	125	0.015	Circular	2.75	-	9.7	18.8	34.0	59.8
Z6_PIPE_1366	Z6_IL_1047	Z6_IL_1375	N13	50	0.015	Circular	2.75	-	9.6	18.4	33.2	58.2
Z6_PIPE_1367	Z6_IL_815	Z6_IL_816	J12	37	0.015	Circular	1.00	-	0.5	0.8	1.7	3.2
Z6_PIPE_1369	Z6_MH_1541	Z6_OF_2083	H10	60	0.015	Circular	4.00	-	38.8	53.9	74.9	104.5
Z6_PIPE_1374	Z6_IL_903	Z6_OF_5560	G9	8	0.015	Circular	1.00	-	1.2	1.6	2.2	3.0
Z6_PIPE_1376	Z6_IL_1439	Z6_OF_2278	K14	19	0.010	Circular	1.00	-	0.0	0.0	0.0	0.0
Z6_PIPE_138	Z6_MH_2242	Z6_CB_126	K10	71	0.024	Circular	1.00	-	0.7	1.0	1.5	2.2
Z6_PIPE_1382	Z6_IL_1215	Z6_IL_1214	J11	141	0.010	Circular	1.50	-	0.7	1.0	1.3	1.8
Z6_PIPE_1383	Z6_MH_2245	Z6_IL_740	K11	39	0.015	Circular	1.50	-	0.7	0.9	1.3	1.8
Z6_PIPE_1384	Z6_IL_1214	Z6_MH_2245	J11	263	0.010	Circular	1.50	-	0.7	0.9	1.3	1.8
Z6_PIPE_1386	Z6_MH_1637	Z6_IL_808	J11	89	0.015	Circular	2.00	-	4.4	8.2	14.9	22.4
Z6_PIPE_1387	Z6_MH_1636	Z6_MH_1637	J11	188	0.015	Circular	2.50	-	4.2	8.1	14.4	21.5
Z6_PIPE_1388	Z6_IL_809	Z6_MH_2252	J11	51	0.024	Circular	2.00	-	1.8	2.6	3.8	5.6
Z6_PIPE_139	Z6_CB_126	Z6_CB_125	K10	69	0.015	Circular	1.00	-	0.7	1.0	1.5	2.2
Z6_PIPE_1390	Z6_IL_1115	Z6_MH_2253	J11	8	0.015	Circular	1.50	-	4.6	6.8	9.7	14.3
Z6_PIPE_1391	Z6_IL_1123	Z6_MH_1665	J11	41	0.015	Circular	1.50	-	1.5	2.4	3.7	5.7
Z6_PIPE_1393	Z6_IL_842	Z6_MH_1709	J11	23	0.024	Horizontal Ellipse	1.50	2.00	2.3	3.1	4.3	6.1
Z6_PIPE_1396	Z6_IL_1217	Z6_OF_2188	K12	62	0.015	Circular	1.25	-	0.0	0.0	0.0	0.0
Z6_PIPE_1397	Z6_MH_1689	Z6_OF_5568	K12	45	0.024	Circular	1.50	-	2.8	5.4	9.1	14.8
Z6_PIPE_1398	Z6_MH_1690	Z6_MH_1689	K12	12	0.024	Circular	1.50	-	1.0	1.5	2.2	3.2
Z6_PIPE_1399	Z6_CB_160	Z6_MH_1690	K12	55	0.024	Circular	1.50	-	1.0	1.5	2.2	3.2
Z6_PIPE_140	Z6_CB_129	Z6_CB_125	K10	150	0.015	Circular	1.00	-	0.0	0.1	0.1	0.3
Z6_PIPE_1400	Z6_MH_1719	Z6_MH_2269	K12	42	0.015	Circular	2.00	-	3.9	8.1	14.6	25.2
Z6_PIPE_1401	Z6_MH_1730	Z6_MH_1719	K12	106	0.015	Circular	2.00	-	3.9	8.1	14.6	25.2
Z6_PIPE_1402	Z6_MH_1686	Z6_MH_1687	H9	228	0.010	Circular	1.50	-	2.6	3.6	4.9	7.0
Z6_PIPE_1403	Z6_IL_1299	Z6_MH_1686	G9	4	0.010	Circular	1.50	-	1.1	1.6	2.4	3.6
Z6_PIPE_1404	Z6_IL_1380	Z6_IL_290	H9	76	0.015	Circular	1.00	-	0.6	0.8	1.1	1.4
Z6_PIPE_141	Z6_CB_131	Z6_CB_123	K10	148	0.010	Circular	1.00	-	0.0	0.1	0.1	0.3
Z6_PIPE_1413	Z6_IL_1060	Z6_IL_1210	P13	16	0.015	Circular	1.00	-	0.0	0.0	0.0	0.0
Z6_PIPE_1414	Z6_IL_1474	Z6_OF_2181	O15	62	0.015	Circular	1.25	-	0.4	0.7	1.0	2.8
Z6_PIPE_1415	Z6_IL_1476	Z6_OF_2184	O15	23	0.015	Circular	1.00	-	0.2	0.4	0.9	1.9
Z6_PIPE_1416	Z6_IL_1475	Z6_OF_2183	O15	30	0.015	Circular	1.50	-	0.5	0.7	1.0	1.4
Z6_PIPE_1417	Z6_IL_1477	Z6_OF_2182	O15	138	0.015	Circular	1.00	-	1.1	2.2	3.4	8.4
Z6_PIPE_142	Z6_CB_122	Z6_CB_123	K10	70	0.010	Circular	1.00	-	0.0	0.0	0.0	0.0
Z6_PIPE_1422	Z6_IL_1288	Z6_OF_5557	L13	27	0.015	Circular	1.50	-	7.4	13.8	22.9	35.9
Z6_PIPE_1423	Z6_IL_1289	Z6_MH_1739	L13	29	0.015	Circular	1.50	-	0.0	0.0	0.0	0.0
Z6_PIPE_1426	Z6_IL_1481	Z6_IL_1482	K14	59	0.015	Circular	1.50	-	0.2	0.4	0.9	2.0
Z6_PIPE_1427	Z6_IL_1482	Z6_IL_2350	K14	28	0.015	Circular	1.50	-	0.2	0.4	0.9	2.0
Z6_PIPE_1428	Z6_IL_1484	Z6_MH_1735	K13	75	0.010	Circular	1.00	-	0.8	1.6	2.8	4.6
Z6_PIPE_1429	Z6_IL_1483	Z6_MH_1735	K13	13	0.010	Circular	1.00	-	1.5	3.5	6.1	9.7
Z6_PIPE_143	Z6_IL_2140	Z6_OF_2202	M12	127	0.015	Circular	3.00	-	10.7	15.6	26.9	48.4
Z6_PIPE_1430	Z6_MH_1723	Z6_MH_1797	K13	28	0.015	Circular	2.00	-	5.3	10.1	16.4	23.3
Z6_PIPE_1431	Z6_IL_2280	Z6_IL_1281	K14	36	0.015	Circular	3.00	-	6.7	11.0	16.4	38.6
Z6_PIPE_1432	Z6_IL_2281	Z6_IL_1281	K14	36	0.024	Circular	1.50	-	0.0	0.0	0.0	0.0
Z6_PIPE_1433	Z6_IL_1282	Z6_MH_1798	K14	238	0.015	Circular	3.00	-	17.8	30.0	46.7	76.7
Z6_PIPE_1434	Z6_MH_1798	Z6_MH_1738	K14	448	0.015	Circular	3.00	-	18.0	30.3	47.2	77.5
Z6_PIPE_1435	Z6_MH_1738	Z6_MH_1799	K14	48	0.010	Circular	3.00	-	18.0	30.3	47.2	77.5
Z6_PIPE_1436	Z6_MH_1799	Z6_MH_1788	K14	55	0.015	Circular	3.00	-	18.0	30.3	47.2	77.5

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Zone 6 Existing Pipes

Link ID*	From Node	To Node	County Grid #	Length (ft)	Manning's N	Shape	Max Depth (ft)	Bottom Width (ft)	Max Q (cfs)			
									5Yr	10Yr	25Yr	100Yr
Z6_PIPE_1437	Z6_MH_1788	NEW_Z6_STORE_01	K14	130	0.015	Circular	3.00	-	18.1	30.6	47.6	78.1
Z6_PIPE_1438	Z6_IL_1283	Z6_MH_2279	K14	52	0.015	Circular	5.00	-	18.3	36.8	83.3	192.6
Z6_PIPE_1439	NEW_Z6_STORE_01	Z6_OF_2189	K14	70	0.015	Circular	3.00	-	18.0	30.6	47.6	78.0
Z6_PIPE_144	Z6_OF_2030	Z6_IL_1252	J10	349	0.015	Circular	3.25	-	14.2	19.3	23.5	29.5
Z6_PIPE_1440	Z6_IL_1284	Z6_MH_2279	K14	111	0.015	Circular	3.00	-	5.6	10.9	19.4	33.3
Z6_PIPE_1443	Z6_MH_1689	Z6_MH_2269	K12	11	0.010	Circular	2.00	-	2.4	5.0	8.6	14.1
Z6_PIPE_1444	Z6_IL_838	Z6_IL_1165	J11	30	0.015	Circular	1.00	-	0.9	1.2	1.5	2.1
Z6_PIPE_1445	Z6_IL_795	Z6_OF_5566	J11	85	0.015	Circular	1.25	-	1.4	1.9	2.4	3.2
Z6_PIPE_1446	Z6_IL_773	Z6_MH_1631	N12	65	0.015	Circular	1.00	-	0.9	1.5	2.2	3.4
Z6_PIPE_145	Z6_IL_996	Z6_MH_1725	O14	137	0.015	Circular	2.00	-	1.7	2.5	5.7	11.3
Z6_PIPE_1450	Z6_IL_1081	Z6_MH_1688	K11	142	0.024	Circular	1.00	-	2.8	3.7	4.9	6.4
Z6_PIPE_1452	Z6_IL_1084	Z6_IL_1086	L11	367	0.015	Circular	1.50	-	2.7	2.6	3.1	3.3
Z6_PIPE_1455	Z6_IL_972	Z6_OF_2173	L12	40	0.015	Circular	1.00	-	0.2	0.4	0.7	1.3
Z6_PIPE_1456	Z6_IL_943	Z6_IL_1489	L12	3	0.015	Circular	1.00	-	3.9	7.9	13.5	14.8
Z6_PIPE_1457	Z6_IL_1488	Z6_IL_1241	L12	3	0.015	Circular	1.00	-	3.9	7.9	13.5	16.5
Z6_PIPE_1458	Z6_IL_1493	Z6_IL_914	L12	2	0.015	Circular	1.00	-	0.6	1.3	2.2	3.5
Z6_PIPE_1459	Z6_IL_1492	Z6_IL_915	L12	2	0.015	Circular	1.00	-	2.1	4.5	7.6	11.1
Z6_PIPE_146	Z6_IL_1269	Z6_MH_1595	O14	64	0.015	Circular	1.00	-	0.7	1.0	1.4	2.0
Z6_PIPE_1462	Z6_IL_1498	Z6_IL_1402	K12	65	0.015	Circular	1.50	-	0.6	1.1	2.1	3.7
Z6_PIPE_1468	Z6_IL_1501	Z6_IL_1413	J10	20	0.015	Circular	1.25	-	3.1	3.9	4.9	5.5
Z6_PIPE_1469	Z6_IL_1506	Z6_CB_47	J9	47	0.015	Circular	1.00	-	0.9	1.2	1.8	2.6
Z6_PIPE_147	Z6_IL_719	Z6_IL_720	O13	56	0.015	Circular	1.50	-	1.4	1.9	2.5	3.5
Z6_PIPE_1471	Z6_IL_1508	Z6_MH_2234	H10	22	0.015	Circular	2.00	-	9.6	11.3	11.8	12.7
Z6_PIPE_1474	Z6_IL_1511	Z6_IL_1512	H10	34	0.015	Circular	1.00	-	0.9	1.1	1.4	1.9
Z6_PIPE_1475	Z6_IL_1512	Z6_IL_1510	H10	9	0.015	Circular	1.00	-	0.9	1.1	1.4	1.9
Z6_PIPE_1478	Z6_IL_2143	Z6_OF_2204	J12	30	0.024	Circular	1.00	-	3.1	4.6	6.8	10.3
Z6_PIPE_1479	Z6_IL_1274	Z6_OF_2205	J12	32	0.015	Circular	1.50	-	3.4	5.6	11.3	20.2
Z6_PIPE_148	Z6_MH_1590	Z6_MH_1591	L11	111	0.015	Circular	1.00	-	3.1	4.5	7.5	9.1
Z6_PIPE_1480	Z6_IL_1516	Z6_IL_1515	J12	19	0.015	Circular	1.25	-	0.0	0.0	0.0	0.0
Z6_PIPE_1481	Z6_IL_2399	Z6_IL_1515	J12	32	0.015	Circular	1.25	-	1.0	1.7	2.8	4.5
Z6_PIPE_1482	Z6_IL_1515	Z6_IL_1514	J12	48	0.010	Circular	1.25	-	1.0	1.7	2.8	4.5
Z6_PIPE_1483	Z6_IL_1514	Z6_MH_1805	J12	75	0.015	Circular	1.50	-	2.7	4.3	9.2	15.5
Z6_PIPE_1484	Z6_MH_1805	Z6_IL_1513	J12	204	0.015	Circular	1.50	-	3.0	4.9	10.1	17.0
Z6_PIPE_1485	Z6_IL_1513	Z6_IL_1274	J12	225	0.015	Circular	1.50	-	3.1	5.1	10.5	17.9
Z6_PIPE_1486	Z6_MH_1806	Z6_IL_1514	J12	201	0.015	Circular	1.25	-	2.1	3.1	6.9	11.0
Z6_PIPE_1487	Z6_IL_1249	Z6_MH_1806	J12	18	0.015	Circular	1.25	-	0.2	0.4	0.6	1.0
Z6_PIPE_149	Z6_MH_1727	Z6_IL_671	O14	44	0.015	Circular	1.25	-	1.8	2.9	4.4	6.7
Z6_PIPE_1491	Z6_IL_1522	Z6_MH_1809	H8	75	0.015	Circular	1.25	-	0.2	0.2	0.4	0.6
Z6_PIPE_1492	Z6_IL_1521	Z6_MH_1809	H8	47	0.015	Circular	1.25	-	0.3	0.6	0.9	1.4
Z6_PIPE_1494	Z6_MH_1809	Z6_IL_1519	H8	22	0.015	Circular	1.50	-	0.5	0.8	1.3	2.0
Z6_PIPE_1495	Z6_IL_1523	Z6_IL_1519	H8	62	0.015	Circular	1.50	-	0.1	0.3	0.4	0.7
Z6_PIPE_1496	Z6_IL_1519	Z6_IL_1518	H8	27	0.015	Circular	1.50	-	1.7	2.9	4.7	7.7
Z6_PIPE_1497	Z6_IL_1518	Z6_MH_1808	H8	24	0.015	Circular	1.50	-	1.7	2.9	4.7	7.7
Z6_PIPE_150	Z6_IL_1031	Z6_IL_1030	M13	21	0.015	Circular	1.00	-	0.1	0.2	0.3	0.8
Z6_PIPE_1501	Z6_MH_1808	Z6_MH_1807	H8	44	0.015	Circular	2.50	-	2.3	3.9	6.2	10.0
Z6_PIPE_1502	Z6_MH_1807	Z6_MH_1673	H8	48	0.015	Circular	2.50	-	2.3	3.9	6.2	10.9
Z6_PIPE_1503	Z6_MH_1673	Z6_IL_1129	H8	83	0.015	Circular	2.50	-	16.5	23.7	34.0	48.9
Z6_PIPE_1504	Z6_MH_1810	Z6_IL_1129	H8	32	0.015	Circular	1.00	-	0.0	0.0	0.0	0.5
Z6_PIPE_1508	Z6_MH_1813	Z6_MH_1812	G9	238	0.015	Circular	2.00	-	1.1	1.5	2.0	2.9
Z6_PIPE_1509	Z6_IL_1526	Z6_MH_1813	G9	5	0.015	Circular	1.00	-	1.1	1.5	2.1	2.9
Z6_PIPE_151	Z6_IL_1030	Z6_OF_1977	M13	116	0.015	Circular	1.00	-	0.1	0.2	0.3	0.8
Z6_PIPE_1510	Z6_MH_1814	Z6_MH_1813	G9	39	0.015	Circular	1.50	-	0.0	0.0	0.0	0.0
Z6_PIPE_1511	Z6_MH_1815	Z6_MH_1679	G9	358	0.015	Circular	2.00	-	2.1	3.0	4.3	6.3
Z6_PIPE_1512	Z6_IL_1145	Z6_MH_1815	G9	28	0.015	Circular	2.00	-	2.1	3.0	4.3	6.3
Z6_PIPE_1513	Z6_IL_2394	Z6_IL_1146	G9	15	0.015	Circular	1.25	-	2.1	3.0	4.3	6.3
Z6_PIPE_1514	Z6_CB_146	Z6_IL_1530	H9	29	0.015	Circular	1.50	-	6.8	10.0	14.7	21.9
Z6_PIPE_1515	Z6_IL_1530	Z6_OF_2193	H9	34	0.010	Circular	1.50	-	6.8	10.0	14.7	21.9
Z6_PIPE_1549	Z6_IL_434	Z6_IL_210	K12	21	0.010	Circular	1.00	-	0.6	1.5	2.6	4.1
Z6_PIPE_1559	Z6_IL_958	Z6_OF_1895	M11	9	0.010	Circular	0.83	-	2.3	4.1	6.1	7.6
Z6_PIPE_1560	Z6_CB_163	Z6_IL_958	M11	47	0.015	Circular	0.83	-	2.3	4.1	6.1	7.6
Z6_PIPE_157	Z6_IL_666	Z6_MH_1590	L11	53	0.015	Circular	1.00	-	3.1	4.5	7.5	13.2
Z6_PIPE_1572	Z6_IL_906	Z6_IL_908	M11	134	0.015	Circular	1.00	-	0.5	0.8	1.4	1.5
Z6_PIPE_1573	Z6_CB_51	Z6_IL_906	M11	46	0.015	Circular	1.00	-	0.5	0.8	1.4	1.7
Z6_PIPE_1575	Z6_IL_1350	Z6_IL_1351	H9	27	0.010	Circular	0.67	-	0.4	0.7	1.0	1.5
Z6_PIPE_1576	Z6_IL_1349	Z6_IL_1350	H9	140	0.010	Circular	0.67	-	0.4	0.7	1.0	1.5
Z6_PIPE_158	Z6_MH_1591	Z6_MH_1715	L11	108	0.015	Circular	1.00	-	3.4	4.5	5.7	6.5
Z6_PIPE_1590	Z6_CB_104	Z6_OF_1968	J9	166	0.015	Circular	0.67	-	1.1	1.6	2.3	3.4
Z6_PIPE_1600	Z6_IL_895	Z6_CB_91	J9	40	0.024	Circular	0.83	-	0.8	1.2	1.7	2.5
Z6_PIPE_1618	Z6_CB_63	Z6_CB_138	K10	68	0.010	Circular	0.67	-	0.7	1.1	1.7	2.7
Z6_PIPE_1619	Z6_CB_138	Z6_OF_1853	K10	14	0.010	Circular	0.50	-	0.7	1.1	1.7	2.7

\*The term "NEW" in a Link ID does not reflect the age or condition of the actual link. It is modeling nomenclature only.

Zone 6 Existing Pipes

Link ID*	From Node	To Node	County Grid #	Length (ft)	Manning's N	Shape	Max Depth (ft)	Bottom Width (ft)	Max Q (cfs)			
									5Yr	10Yr	25Yr	100Yr
Z6_PIPE_162	Z6_IL_1040	Z6_IL_1250	M13	120	0.015	Circular	1.00	-	0.4	0.8	1.6	2.9
Z6_PIPE_1622	Z6_CB_65	Z6_OF_1843	K11	27	0.010	Circular	0.83	-	7.8	7.8	7.8	7.8
Z6_PIPE_1625	Z6_CB_79	Z6_SGL_2123	K11	56	0.015	Circular	0.67	-	1.6	1.9	2.2	2.5
Z6_PIPE_1626	Z6_CB_144	Z6_CB_79	K11	216	0.015	Circular	0.67	-	1.6	1.9	2.2	2.6
Z6_PIPE_163	Z6_IL_1250	Z6_IL_781	M13	165	0.015	Circular	1.00	-	0.5	1.1	2.1	3.7
Z6_PIPE_1630	Z6_IL_1067	Z6_MH_1728	L10	54	0.015	Circular	0.83	-	1.5	1.1	1.6	2.2
Z6_PIPE_1634	Z6_IL_884	Z6_IL_885	K9	25	0.015	Circular	0.83	-	1.0	1.5	2.3	3.5
Z6_PIPE_165	Z6_IL_2264	Z6_OF_2265	M13	275	0.015	Circular	2.00	-	5.3	7.8	14.7	22.2
Z6_PIPE_1654	Z6_MH_1650	Z6_MH_1651	L12	311	0.015	Circular	3.00	-	16.9	24.5	30.9	39.7
Z6_PIPE_1658	Z6_IL_287	Z6_OF_1972	G9	58	0.010	Circular	0.50	-	0.5	0.6	0.8	1.0
Z6_PIPE_1659	Z6_IL_288	Z6_OF_1973	G9	68	0.010	Circular	0.50	-	0.4	0.5	0.6	0.8
Z6_PIPE_166	Z6_IL_782	Z6_IL_1251	M13	29	0.010	Circular	2.00	-	1.7	2.9	5.8	10.7
Z6_PIPE_1660	Z6_IL_289	Z6_OF_1974	G9	69	0.010	Circular	0.50	-	0.5	0.6	0.8	1.1
Z6_PIPE_167	Z6_IL_1039	Z6_IL_1251	M13	2	0.015	Rectangular	1.25	1.25	1.5	2.4	4.7	8.4
Z6_PIPE_1675	Z6_IL_1291	Z6_IL_1292	L11	33	0.015	Circular	0.50	-	0.8	0.9	1.0	1.1
Z6_PIPE_168	Z6_IL_1251	Z6_OF_1906	M13	123	0.015	Circular	2.00	-	3.2	5.1	10.1	18.4
Z6_PIPE_169	Z6_IL_1041	Z6_IL_1043	M13	26	0.024	Circular	1.00	-	1.3	2.0	4.0	5.7
Z6_PIPE_17	Z6_CB_73	Z6_CB_170	H9	111	0.015	Circular	1.00	-	0.6	0.7	0.9	1.3
Z6_PIPE_170	Z6_IL_1043	Z6_OF_1907	M13	185	0.024	Circular	1.00	-	1.3	2.0	4.0	5.5
Z6_PIPE_1707	Z6_IL_585	Z6_OF_1966	H9	95	0.010	Circular	0.50	-	0.1	0.2	0.2	0.3
Z6_PIPE_1708	Z6_IL_586	Z6_OF_1965	H9	96	0.010	Circular	0.50	-	0.1	0.1	0.1	0.2
Z6_PIPE_1709	Z6_IL_587	Z6_OF_1964	H9	91	0.010	Circular	0.50	-	0.1	0.1	0.1	0.2
Z6_PIPE_171	Z6_IL_1372	Z6_OF_1954	J10	38	0.015	Circular	1.50	-	0.5	0.8	1.1	1.7
Z6_PIPE_172	Z6_IL_881	Z6_IL_1373	J10	125	0.015	Circular	1.50	-	0.4	0.5	0.8	1.1
Z6_PIPE_1724	Z6_MH_1555	Z6_IL_400	K12	72	0.010	Circular	0.83	-	1.5	2.2	3.2	4.5
Z6_PIPE_1725	Z6_IL_400	Z6_IL_401	K12	60	0.010	Circular	0.83	-	1.5	2.2	3.2	4.5
Z6_PIPE_1726	Z6_IL_401	Z6_IL_402	K12	61	0.010	Circular	0.83	-	1.7	2.5	3.7	5.3
Z6_PIPE_173	Z6_IL_1373	Z6_OF_2191	J10	109	0.015	Circular	1.50	-	0.5	0.7	1.0	1.4
Z6_PIPE_174	Z6_IL_1257	Z6_OF_2191	J10	171	0.015	Circular	3.25	-	32.5	45.6	59.5	76.9
Z6_PIPE_177	Z6_MH_2266	Z6_OF_2185	L12	255	0.015	Circular	1.50	-	1.0	2.1	3.8	6.0
Z6_PIPE_179	Z6_IL_396	Z6_MH_2223	G9	17	0.015	Circular	1.00	-	0.0	0.0	0.0	0.0
Z6_PIPE_18	Z6_IL_1129	Z6_MH_1674	H8	76	0.015	Circular	2.50	-	19.0	27.1	38.7	56.0
Z6_PIPE_1857	Z6_IL_747	Z6_OF_1824	J9	56	0.024	Circular	0.67	-	1.7	2.2	2.8	3.8
Z6_PIPE_186	Z6_IL_609	Z6_IL_608	N13	45	0.015	Circular	1.00	-	0.6	1.1	1.8	3.3
Z6_PIPE_187	Z6_MH_1577	Z6_MH_1578	N13	202	0.015	Circular	1.00	-	2.2	3.9	6.3	9.6
Z6_PIPE_188	Z6_IL_225	Z6_MH_1578	N13	57	0.015	Circular	1.00	-	0.4	0.9	1.5	2.6
Z6_PIPE_189	Z6_MH_1578	Z6_MH_1579	N13	245	0.015	Circular	1.50	-	2.4	4.3	7.0	11.0
Z6_PIPE_190	Z6_IL_610	Z6_MH_1579	N13	15	0.015	Circular	1.25	-	0.6	1.2	2.2	3.8
Z6_PIPE_191	Z6_IL_611	Z6_IL_610	N13	37	0.015	Circular	1.00	-	0.6	1.2	2.2	3.8
Z6_PIPE_192	Z6_MH_1579	Z6_MH_1580	N13	95	0.015	Circular	1.50	-	2.9	5.4	9.1	14.6
Z6_PIPE_1929	Z6_IL_2289	Z6_OF_2197	J11	85	0.015	Circular	0.67	-	0.3	0.4	0.5	0.8
Z6_PIPE_193	Z6_MH_1581	Z6_OF_1917	N13	80	0.024	Circular	1.50	-	3.2	6.1	10.5	17.2
Z6_PIPE_194	Z6_MH_1580	Z6_MH_1581	N13	75	0.024	Circular	1.50	-	2.9	5.4	9.1	14.6
Z6_PIPE_1947	Z6_IL_2412	Z6_MH_1640	J11	107	0.015	Circular	1.00	-	0.0	0.0	0.0	0.0
Z6_PIPE_195	Z6_IL_1006	Z6_IL_1479	L13	37	0.015	Circular	1.00	-	3.2	5.2	6.3	8.2
Z6_PIPE_1950	Z6_IL_626	Z6_IL_627	N12	35	0.015	Circular	1.00	-	0.4	0.9	1.8	3.0
Z6_PIPE_1951	Z6_IL_1307	Z6_IL_1309	G9	100	0.015	Circular	1.50	-	3.8	5.2	7.3	10.4
Z6_PIPE_1952	Z6_IL_1309	Z6_IL_1310	G9	49	0.015	Circular	1.50	-	3.8	5.2	7.3	10.4
Z6_PIPE_1953	Z6_IL_1310	Z6_OF_1970	G9	95	0.015	Circular	1.50	-	6.4	8.7	12.1	17.4
Z6_PIPE_1954	Z6_IL_1302	Z6_MH_1817	G9	17	0.024	Circular	1.00	-	0.0	0.0	0.0	0.0
Z6_PIPE_1955	Z6_IL_669	Z6_IL_668	O14	39	0.015	Circular	1.25	-	3.8	5.4	7.5	10.8
Z6_PIPE_1958	Z6_MH_2229	Z6_OF_1841	K10	43	0.015	Circular	4.00	-	56.9	82.1	113.3	157.0
Z6_PIPE_1959	Z6_MH_2252	Z6_MH_2253	J11	260	0.015	Horizontal Ellipse	3.00	3.50	26.7	45.8	68.8	99.2
Z6_PIPE_196	Z6_IL_612	Z6_IL_613	N12	25	0.015	Circular	1.00	-	0.6	1.4	2.5	4.2
Z6_PIPE_1960	Z6_IL_1005	Z6_IL_1478	K13	30	0.010	Circular	2.00	-	2.9	4.6	7.0	10.6
Z6_PIPE_1961	Z6_OF_2085	Z6_OF_2085	K13	4	0.015	Circular	2.00	-	0.0	0.0	0.0	0.0
Z6_PIPE_1962	Z6_IL_2271	Z6_IL_1246	J13	30	0.015	Circular	2.00	-	3.1	6.5	10.8	17.0
Z6_PIPE_1963	Z6_OF_2085	Z6_OF_2084	K13	5	0.015	Circular	2.00	-	2.9	4.6	7.0	10.6
Z6_PIPE_1964	Z6_MH_1800	Z6_MH_1788	K14	6	0.015	Circular	1.00	-	0.0	0.0	0.0	0.0
Z6_PIPE_1965	Z6_IL_556	Z6_MH_2276	P13	49	0.015	Circular	1.00	-	0.0	0.0	0.0	0.0
Z6_PIPE_1966	Z6_MH_2236	Z6_MH_2237	J10	29	0.015	Circular	1.50	-	6.0	8.4	11.8	16.9
Z6_PIPE_197	Z6_IL_613	Z6_OF_1915	N12	154	0.015	Circular	1.25	-	0.6	1.4	2.5	4.2
Z6_PIPE_1973	Z6_IL_290	Z6_MH_2223	G9	79	0.010	Circular	1.00	-	0.6	0.8	1.1	1.4
Z6_PIPE_1974	Z6_MH_1554	Z6_MH_1686	G9	108	0.015	Circular	1.50	-	1.6	2.1	2.7	3.6
Z6_PIPE_1975	Z6_IL_1494	Z6_MH_1667	K10	47	0.015	Circular	1.75	-	5.9	10.0	15.7	24.0
Z6_PIPE_1976	Z6_IL_1500	Z6_IL_1437	J10	153	0.015	Circular	1.50	-	1.2	1.6	2.0	2.7
Z6_PIPE_1977	Z6_IL_872	Z6_MH_1803	J10	6	0.015	Circular	1.75	-	7.7	10.1	13.3	16.2
Z6_PIPE_1978	Z6_MH_1803	Z6_IL_1503	J10	20	0.015	Circular	1.75	-	7.7	10.1	13.3	16.2
Z6_PIPE_1979	Z6_IL_1503	Z6_IL_1502	J10	21	0.015	Circular	1.75	-	8.0	10.6	14.0	17.3
Z6_PIPE_198	Z6_IL_614	Z6_MH_1582	O13	37	0.015	Circular	1.00	-	0.0	0.0	0.0	0.0

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Zone 6 Existing Pipes

Link ID*	From Node	To Node	County Grid #	Length (ft)	Manning's N	Shape	Max Depth (ft)	Bottom Width (ft)	Max Q (cfs)			
									5Yr	10Yr	25Yr	100Yr
Z6_PIPE_1980	Z6_IL_1167	Z6_IL_1255	K10	102	0.015	Circular	1.00	-	0.2	0.3	0.5	0.8
Z6_PIPE_1981	Z6_IL_1509	Z6_IL_1510	H10	137	0.015	Circular	1.00	-	0.0	0.0	0.0	0.0
Z6_PIPE_1982	Z6_CB_128	Z6_MH_2242	K10	80	0.024	Circular	1.00	-	0.0	0.0	0.1	0.2
Z6_PIPE_1983	Z6_IL_1087	Z6_IL_1495	K11	2	0.010	Circular	1.75	-	0.0	0.0	0.0	0.0
Z6_PIPE_1984	Z6_IL_804	Z6_IL_805	J11	252	0.015	Circular	2.50	-	20.4	33.7	50.4	65.9
Z6_PIPE_1985	Z6_MH_2253	Z6_MH_1665	J11	21	0.015	Horizontal Ellipse	3.00	3.50	30.0	52.5	78.4	113.1
Z6_PIPE_1986	Z6_IL_1296	Z6_IL_1295	J12	4	0.015	Circular	1.50	-	0.8	1.0	1.3	1.8
Z6_PIPE_1987	Z6_IL_1258	Z6_IL_1259	K12	21	0.015	Circular	2.00	-	5.6	7.8	10.3	12.7
Z6_PIPE_1989	Z6_IL_1204	Z6_IL_1162	L12	111	0.015	Circular	1.75	-	2.7	4.0	6.0	9.1
Z6_PIPE_199	Z6_IL_615	Z6_MH_1582	O13	24	0.015	Circular	1.00	-	0.3	0.5	0.9	1.5
Z6_PIPE_1990	Z6_MH_1697	Z6_MH_1698	N12	8	0.015	Circular	2.00	-	0.8	1.2	2.4	4.4
Z6_PIPE_1992	Z6_MH_2269	Z6_OF_2270	K12	46	0.015	Circular	2.00	-	1.5	3.1	6.0	11.1
Z6_PIPE_1993	Z6_MH_1610	Z6_MH_2272	M13	295	0.015	Circular	1.25	-	1.4	2.1	4.1	7.6
Z6_PIPE_1994	Z6_MH_2279	Z6_IL_1124	K14	36	0.015	Circular	5.00	-	23.9	47.7	102.7	225.9
Z6_PIPE_1995	Z6_MH_1797	Z6_IL_2352	K13	24	0.015	Circular	2.00	-	5.3	10.1	16.4	23.3
Z6_PIPE_1996	Z6_IL_1442	Z6_IL_1005	K13	1	0.010	Circular	2.00	-	0.0	0.0	0.0	0.0
Z6_PIPE_1997	Z6_IL_1478	Z6_OF_2085	K13	21	0.010	Circular	2.00	-	2.9	4.6	7.0	10.6
Z6_PIPE_1998	Z6_IL_925	Z6_IL_1499	K12	1	0.015	Circular	1.50	-	2.1	4.5	8.2	13.5
Z6_PIPE_1999	Z6_MH_1633	Z6_MH_2252	J11	30	0.015	Horizontal Ellipse	3.00	3.50	25.8	43.4	65.2	94.2
Z6_PIPE_20	Z6_MH_1672	Z6_MH_1673	H8	145	0.015	Circular	2.50	-	14.7	20.4	28.6	40.2
Z6_PIPE_200	Z6_IL_616	Z6_MH_1582	O13	30	0.015	Circular	1.00	-	0.0	0.0	0.0	0.0
Z6_PIPE_2000	Z6_IL_1235	Z6_OF_2045	O14	33	0.015	Circular	1.00	-	0.7	1.3	2.0	4.3
Z6_PIPE_2001	Z6_IL_1305	Z6_IL_1307	G9	146	0.015	Circular	1.50	-	3.8	5.2	7.3	10.4
Z6_PIPE_2002	Z6_IL_1510	Z6_IL_1508	H10	124	0.015	Circular	1.00	-	0.8	1.1	1.4	1.9
Z6_PIPE_2003	Z6_IL_1324	Z6_IL_1508	H10	30	0.015	Circular	1.00	-	0.4	0.6	0.8	1.1
Z6_PIPE_2004	Z6_MH_2259	Z6_MH_1631	N12	54	0.015	Circular	3.00	-	10.5	15.6	24.6	43.5
Z6_PIPE_2005	Z6_IL_2151	Z6_OF_2030	K10	47	0.015	Circular	3.25	-	14.2	19.3	23.5	29.5
Z6_PIPE_2006	Z6_IL_1381	Z6_IL_1194	K12	242	0.015	Circular	2.00	-	0.0	0.0	0.0	0.0
Z6_PIPE_201	Z6_MH_1583	Z6_MH_1582	N13	88	0.015	Circular	1.50	-	3.3	5.8	9.3	14.7
Z6_PIPE_202	Z6_IL_617	Z6_MH_1583	N13	39	0.015	Circular	1.00	-	0.2	0.5	0.9	1.5
Z6_PIPE_203	Z6_MH_1584	Z6_MH_1583	N13	168	0.015	Circular	1.00	-	3.1	5.3	8.5	13.3
Z6_PIPE_204	Z6_IL_618	Z6_IL_619	O13	9	0.015	Circular	1.00	-	0.2	0.4	0.7	1.5
Z6_PIPE_205	Z6_IL_619	Z6_MH_1584	N13	17	0.015	Circular	1.00	-	0.2	0.4	0.7	1.4
Z6_PIPE_206	Z6_IL_620	Z6_MH_1584	N13	31	0.015	Circular	1.00	-	0.4	0.8	1.5	2.5
Z6_PIPE_207	Z6_IL_621	Z6_IL_620	N13	47	0.015	Circular	1.00	-	0.2	0.5	0.9	1.5
Z6_PIPE_208	Z6_IL_623	Z6_MH_1585	O13	44	0.015	Circular	1.00	-	0.3	0.6	1.0	1.7
Z6_PIPE_209	Z6_MH_1585	Z6_MH_1584	N13	180	0.015	Circular	1.00	-	2.6	4.2	6.5	10.0
Z6_PIPE_21	Z6_IL_1128	Z6_MH_1672	H8	15	0.010	Circular	1.00	-	0.3	0.4	0.6	0.8
Z6_PIPE_210	Z6_IL_624	Z6_IL_623	N13	26	0.015	Circular	1.00	-	0.3	0.6	1.0	1.7
Z6_PIPE_211	Z6_IL_622	Z6_IL_625	N13	57	0.015	Circular	1.00	-	0.8	1.3	2.0	3.2
Z6_PIPE_212	Z6_IL_625	Z6_MH_1585	O13	48	0.015	Circular	1.00	-	2.4	3.8	5.7	8.7
Z6_PIPE_214	Z6_IL_627	Z6_MH_1586	N12	35	0.015	Circular	1.00	-	0.4	0.9	1.8	3.0
Z6_PIPE_215	Z6_IL_628	Z6_MH_1586	N12	42	0.015	Circular	1.00	-	0.6	1.3	2.4	4.1
Z6_PIPE_216	Z6_MH_1586	Z6_MH_1587	N12	109	0.015	Circular	1.25	-	1.0	2.2	4.2	7.1
Z6_PIPE_217	Z6_IL_631	Z6_MH_1588	N13	12	0.015	Circular	1.00	-	0.3	0.4	0.6	1.0
Z6_PIPE_22	Z6_MH_1671	Z6_MH_1672	H8	148	0.015	Circular	2.50	-	14.4	20.0	28.0	39.4
Z6_PIPE_223	Z6_IL_907	Z6_CB_51	M11	31	0.015	Circular	1.00	-	0.5	0.8	1.8	2.5
Z6_PIPE_224	Z6_MH_1668	Z6_IL_1153	K10	245	0.015	Circular	4.00	-	56.9	81.9	112.8	155.6
Z6_PIPE_225	Z6_MH_1669	Z6_MH_1668	K10	28	0.015	Circular	4.00	-	56.9	81.9	112.8	155.6
Z6_PIPE_227	Z6_MH_1666	Z6_MH_1669	K10	162	0.015	Circular	4.00	-	54.2	77.9	107.2	148.3
Z6_PIPE_228	Z6_SGIL_2125	Z6_MH_1666	K10	8	0.010	Circular	2.00	-	6.9	11.5	18.0	27.3
Z6_PIPE_229	Z6_IL_1116	Z6_SGIL_2125	K10	76	0.015	Circular	1.50	-	1.1	1.4	1.7	2.2
Z6_PIPE_23	Z6_IL_1127	Z6_MH_1671	H8	15	0.010	Circular	1.00	-	0.0	0.0	0.0	0.0
Z6_PIPE_231	Z6_IL_1094	Z6_IL_1093	K10	123	0.015	Circular	1.50	-	0.7	1.5	2.4	3.6
Z6_PIPE_232	Z6_IL_1092	Z6_IL_1093	K10	39	0.015	Circular	1.00	-	0.0	0.0	0.0	0.0
Z6_PIPE_233	Z6_MH_1667	Z6_SGIL_2125	K10	207	0.010	Circular	2.00	-	6.5	11.0	17.3	26.4
Z6_PIPE_234	Z6_IL_1153	Z6_MH_2229	K10	515	0.015	Circular	4.00	-	56.9	82.1	113.3	157.0
Z6_PIPE_235	Z6_IL_1091	Z6_IL_1090	K10	37	0.010	Circular	1.25	-	0.7	1.2	2.0	3.0
Z6_PIPE_236	Z6_IL_1118	Z6_IL_1494	L10	39	0.015	Circular	1.75	-	5.0	8.8	14.0	21.6
Z6_PIPE_237	Z6_IL_1090	Z6_IL_1118	L10	210	0.015	Circular	1.50	-	2.3	3.8	5.9	8.7
Z6_PIPE_238	Z6_IL_1093	Z6_IL_1090	K10	135	0.015	Circular	1.50	-	0.7	1.5	2.4	3.6
Z6_PIPE_239	Z6_IL_1119	Z6_IL_1494	K10	66	0.010	Circular	1.25	-	1.0	1.5	2.2	3.1
Z6_PIPE_24	Z6_MH_1676	Z6_MH_1671	H9	223	0.015	Circular	2.50	-	14.4	20.0	28.0	39.4
Z6_PIPE_240	Z6_IL_1117	Z6_MH_1667	K10	47	0.015	Circular	1.00	-	1.0	1.6	2.3	3.5
Z6_PIPE_241	Z6_IL_868	Z6_IL_870	J10	70	0.015	Circular	1.00	-	1.3	1.9	2.7	4.1
Z6_PIPE_242	Z6_IL_2376	Z6_IL_744	J10	46	0.015	Circular	1.00	-	0.0	0.0	0.0	0.0
Z6_PIPE_243	Z6_IL_893	Z6_OF_2024	K9	25	0.010	Circular	1.00	-	4.4	6.6	9.8	13.0
Z6_PIPE_244	Z6_SGIL_2115	Z6_OF_1994	K9	64	0.024	Parabolic	1.50	2.00	6.4	8.0	10.0	12.8
Z6_PIPE_245	Z6_MH_1733	Z6_MH_1728	L10	533	0.015	Circular	1.00	-	2.2	2.5	2.8	3.4
Z6_PIPE_246	Z6_IL_1095	Z6_IL_1094	K10	43	0.024	Circular	1.25	-	0.7	1.5	2.4	3.6



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## Zone 6 Existing Pipes

Link ID*	From Node	To Node	County Grid #	Length (ft)	Manning's N	Shape	Max Depth (ft)	Bottom Width (ft)	Max Q (cfs)			
									5Yr	10Yr	25Yr	100Yr
Z6_PIPE_247	Z6_IL_2154	Z6_MH_1666	K10	24	0.015	Rectangular	5.00	5.00	48.9	68.6	91.7	122.9
Z6_PIPE_248	Z6_MH_1685	Z6_IL_867	J9	355	0.015	Circular	1.25	-	3.1	3.9	3.9	3.7
Z6_PIPE_249	Z6_IL_866	Z6_IL_867	J9	155	0.015	Circular	1.00	-	2.1	3.0	3.0	3.3
Z6_PIPE_25	Z6_MH_1675	Z6_MH_1676	G9	15	0.015	Circular	1.00	-	1.3	1.8	2.6	3.9
Z6_PIPE_255	Z6_IL_2146	Z6_OF_5565	K11	159	0.015	Circular	2.00	-	0.0	0.0	0.0	0.0
Z6_PIPE_258	Z6_IL_1304	Z6_IL_1305	G9	171	0.015	Circular	1.50	-	3.8	5.2	7.3	10.4
Z6_PIPE_26	Z6_IL_1130	Z6_MH_1675	G9	27	0.010	Circular	1.00	-	1.3	1.8	2.6	3.9
Z6_PIPE_263	Z6_IL_1351	Z6_OF_1941	H9	25	0.024	Circular	1.00	-	0.4	0.7	1.0	1.5
Z6_PIPE_266	Z6_CB_171	Z6_SGIL_2128	J9	121	0.015	Circular	1.00	-	0.6	0.7	0.9	1.3
Z6_PIPE_267	Z6_CB_170	Z6_CB_171	J9	27	0.015	Circular	1.00	-	0.6	0.7	0.9	1.3
Z6_PIPE_268	Z6_SGIL_2128	Z6_OF_1942	H9	67	0.024	Circular	1.25	-	2.3	2.9	3.7	4.9
Z6_PIPE_27	Z6_IL_1131	Z6_IL_1130	G9	34	0.015	Circular	1.00	-	1.3	1.8	2.6	3.9
Z6_PIPE_271	Z6_IL_942	Z6_OF_2065	L13	6	0.015	Circular	1.50	-	2.2	4.9	7.9	12.1
Z6_PIPE_272	Z6_MH_1631	Z6_MH_1587	N12	317	0.015	Circular	3.00	-	11.1	16.4	26.4	45.5
Z6_PIPE_273	Z6_MH_1587	Z6_MH_1692	N12	173	0.015	Circular	3.00	-	12.2	18.0	29.1	49.2
Z6_PIPE_274	Z6_MH_1692	Z6_OF_1919	N12	52	0.015	Circular	3.00	-	12.4	18.2	29.4	49.7
Z6_PIPE_275	Z6_MH_1770	Z6_MH_1658	N14	197	0.015	Circular	1.25	-	0.3	0.7	1.3	2.2
Z6_PIPE_276	Z6_MH_1771	Z6_OF_1923	O14	12	0.024	Circular	1.00	-	1.5	1.9	2.6	3.6
Z6_PIPE_277	Z6_IL_1369	Z6_OF_1949	O13	109	0.024	Circular	1.00	-	0.7	0.9	1.3	1.8
Z6_PIPE_278	Z6_IL_1370	Z6_OF_1950	O13	134	0.024	Circular	1.00	-	0.6	0.8	1.1	1.5
Z6_PIPE_279	Z6_IL_226	Z6_IL_227	N13	109	0.015	Circular	1.00	-	0.2	0.5	0.8	1.4
Z6_PIPE_28	Z6_IL_1132	Z6_MH_1676	H9	18	0.015	Circular	1.50	-	2.2	3.0	4.1	6.0
Z6_PIPE_280	Z6_IL_228	Z6_IL_227	N13	169	0.015	Circular	1.00	-	0.8	1.3	1.9	2.9
Z6_PIPE_283	Z6_IL_1098	Z6_OF_1862	K11	208	0.015	Circular	1.00	-	2.6	4.6	7.0	8.7
Z6_PIPE_284	Z6_IL_828	Z6_OF_1864	J11	23	0.015	Circular	1.33	-	2.9	3.8	4.9	6.6
Z6_PIPE_285	Z6_IL_829	Z6_OF_1865	J11	70	0.024	Circular	1.00	-	0.9	1.1	1.4	1.8
Z6_PIPE_286	Z6_IL_845	Z6_OF_1866	J9	128	0.015	Circular	2.00	-	2.2	3.0	4.1	5.8
Z6_PIPE_289	Z6_IL_838	Z6_IL_1165	J11	30	0.010	Circular	1.00	-	1.4	1.8	2.3	3.1
Z6_PIPE_290	Z6_IL_1165	Z6_MH_1703	J11	16	0.010	Circular	1.50	-	2.3	2.9	3.8	5.1
Z6_PIPE_291	Z6_IL_839	Z6_IL_840	J10	31	0.015	Circular	1.00	-	3.0	4.0	5.3	7.4
Z6_PIPE_292	Z6_IL_840	Z6_OF_2213	J10	20	0.015	Circular	2.00	-	8.6	12.1	16.6	23.8
Z6_PIPE_294	Z6_IL_1184	Z6_OF_2194	J10	25	0.015	Circular	1.50	-	3.8	5.2	6.9	9.7
Z6_PIPE_295	Z6_IL_1186	Z6_IL_1185	J10	152	0.015	Circular	1.50	-	2.8	3.8	5.2	7.4
Z6_PIPE_296	Z6_IL_1185	Z6_IL_1184	J10	82	0.015	Circular	1.50	-	2.8	3.8	5.2	7.4
Z6_PIPE_30	Z6_MH_1547	Z6_OF_5559	K12	87	0.015	Circular	1.00	-	1.5	2.6	4.1	6.6
Z6_PIPE_301	Z6_CB_47	Z6_OF_1822	J9	193	0.015	Circular	1.50	-	0.9	1.2	1.8	2.6
Z6_PIPE_302	Z6_CB_90	Z6_IL_1156	J9	40	0.015	Circular	1.00	-	0.3	0.4	0.5	0.8
Z6_PIPE_303	Z6_IL_1156	Z6_IL_748	J9	33	0.010	Circular	1.00	-	0.3	0.4	0.5	0.8
Z6_PIPE_305	Z6_IL_1159	Z6_IL_893	K9	83	0.024	Circular	1.00	-	1.8	2.8	4.2	4.5
Z6_PIPE_307	Z6_IL_890	Z6_IL_889	K10	21	0.015	Circular	1.00	-	1.0	1.6	2.4	3.7
Z6_PIPE_31	Z6_IL_385	Z6_MH_1553	P13	25	0.010	Circular	1.50	-	0.7	1.0	1.4	2.0
Z6_PIPE_310	Z6_IL_735	Z6_IL_1177	K10	319	0.024	Circular	1.00	-	1.3	2.4	4.2	5.3
Z6_PIPE_312	Z6_CB_81	Z6_IL_735	K9	30	0.024	Circular	1.00	-	1.3	2.4	4.2	5.3
Z6_PIPE_313	Z6_IL_844	Z6_IL_845	J9	45	0.015	Circular	2.00	-	2.2	3.0	4.2	5.8
Z6_PIPE_317	Z6_IL_2157	Z6_OF_1846	J10	85	0.015	Circular	3.00	-	37.1	52.1	68.5	90.8
Z6_PIPE_318	Z6_IL_1106	Z6_IL_1107	H9	22	0.015	Circular	1.00	-	0.7	1.0	1.4	2.0
Z6_PIPE_319	Z6_IL_1107	Z6_OF_1957	H9	85	0.015	Circular	1.25	-	0.7	1.0	1.4	2.0
Z6_PIPE_322	Z6_IL_1111	Z6_IL_1110	G10	59	0.015	Circular	1.50	-	4.8	6.6	9.3	13.3
Z6_PIPE_323	Z6_IL_1110	Z6_IL_1109	G10	38	0.015	Circular	2.00	-	4.8	6.6	9.3	13.3
Z6_PIPE_325	Z6_IL_1109	Z6_OF_1986	H9	439	0.010	Circular	1.75	-	4.8	6.6	9.3	13.3
Z6_PIPE_330	Z6_IL_1191	Z6_CB_146	H9	10	0.015	Circular	1.00	-	2.1	2.9	4.1	5.9
Z6_PIPE_331	Z6_IL_1192	Z6_IL_1191	H9	23	0.015	Circular	1.00	-	2.1	2.9	4.1	5.9
Z6_PIPE_332	Z6_IL_1412	Z6_OF_2029	J10	16	0.015	Circular	1.00	-	0.1	0.2	0.2	0.3
Z6_PIPE_339	Z6_IL_1298	Z6_OF_1971	G9	33	0.015	Circular	0.50	-	0.5	0.6	0.8	1.0
Z6_PIPE_346	Z6_IL_739	Z6_MH_1626	H10	22	0.015	Circular	1.25	-	6.8	9.6	13.6	19.7
Z6_PIPE_347	Z6_IL_1146	Z6_IL_1145	H9	12	0.015	Circular	2.00	-	2.1	3.0	4.3	6.3
Z6_PIPE_348	Z6_IL_1325	Z6_IL_2351	K14	83	0.015	Circular	1.00	-	2.3	3.8	5.9	6.9
Z6_PIPE_351	Z6_IL_1168	Z6_IL_1169	J10	52	0.015	Circular	1.50	-	2.0	2.6	3.5	4.8
Z6_PIPE_352	Z6_IL_1169	Z6_IL_1170	J10	22	0.015	Circular	1.83	-	2.2	3.0	4.0	5.6
Z6_PIPE_353	Z6_IL_1181	Z6_IL_1182	J10	15	0.015	Circular	1.00	-	0.0	0.0	0.0	0.0
Z6_PIPE_354	Z6_IL_1182	Z6_MH_1702	J10	152	0.015	Circular	1.00	-	0.0	0.0	0.0	0.0
Z6_PIPE_355	Z6_IL_1180	Z6_MH_1702	J10	5	0.015	Circular	1.00	-	1.3	1.8	2.5	3.6
Z6_PIPE_356	Z6_MH_1702	Z6_OF_1955	J10	141	0.015	Circular	1.83	-	3.3	4.5	6.2	8.8
Z6_PIPE_363	Z6_CB_123	Z6_MH_1701	K10	23	0.010	Circular	1.25	-	0.1	0.1	0.2	0.5
Z6_PIPE_364	Z6_MH_1701	Z6_IL_1173	K10	126	0.010	Circular	1.50	-	0.1	0.1	0.3	0.5
Z6_PIPE_365	Z6_CB_132	Z6_MH_2242	K10	67	0.015	Circular	1.00	-	0.7	1.0	1.4	2.0
Z6_PIPE_366	Z6_CB_121	Z6_IL_1172	K10	89	0.010	Circular	1.25	-	0.1	0.2	0.4	1.0
Z6_PIPE_367	Z6_CB_133	Z6_MH_2239	K10	57	0.015	Circular	1.00	-	0.1	0.1	0.3	0.7
Z6_PIPE_369	Z6_IL_2228	Z6_CB_137	K10	77	0.010	Circular	1.00	-	0.6	0.9	1.4	2.1
Z6_PIPE_370	Z6_CB_137	Z6_OF_1852	K10	13	0.024	Circular	1.50	-	0.6	0.9	1.4	2.1

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Zone 6 Existing Pipes

Link ID*	From Node	To Node	County Grid #	Length (ft)	Manning's N	Shape	Max Depth (ft)	Bottom Width (ft)	Max Q (cfs)			
									5Yr	10Yr	25Yr	100Yr
Z6_PIPE_371	Z6_IL_2158	Z6_IL_944	J9	492	0.010	Circular	1.00	-	0.5	0.8	1.2	1.8
Z6_PIPE_373	Z6_IL_944	Z6_MH_1646	K9	56	0.024	Circular	1.50	-	0.5	0.8	1.2	1.8
Z6_PIPE_374	Z6_MH_1646	Z6_OF_1847	K9	50	0.024	Circular	1.50	-	0.5	0.8	1.2	1.8
Z6_PIPE_375	Z6_IL_2159	Z6_OF_1848	K9	219	0.024	Circular	1.00	-	0.2	0.4	0.5	0.8
Z6_PIPE_377	Z6_IL_2160	Z6_IL_2227	K9	195	0.024	Circular	1.50	-	0.3	0.4	0.6	1.0
Z6_PIPE_378	Z6_IL_1121	Z6_IL_1120	K10	58	0.010	Circular	1.00	-	1.6	2.3	4.0	6.5
Z6_PIPE_379	Z6_IL_1120	Z6_MH_2243	K10	106	0.024	Circular	1.25	-	1.6	2.3	4.0	6.5
Z6_PIPE_380	Z6_MH_2243	Z6_OF_1855	L10	88	0.024	Circular	1.50	-	1.6	2.3	4.0	6.5
Z6_PIPE_381	Z6_IL_1122	Z6_IL_1114	L10	46	0.010	Circular	1.00	-	3.5	6.8	10.2	13.3
Z6_PIPE_383	Z6_CB_125	Z6_IL_1174	K10	152	0.010	Circular	1.25	-	0.7	1.0	1.5	2.4
Z6_PIPE_384	Z6_IL_1173	Z6_OF_1857	K10	235	0.010	Circular	2.00	-	0.2	0.3	0.5	1.3
Z6_PIPE_387	Z6_IL_1174	Z6_OF_1858	K10	247	0.010	Circular	1.75	-	0.7	1.0	1.8	3.0
Z6_PIPE_388	Z6_CB_136	Z6_MH_2229	K10	45	0.015	Circular	1.00	-	0.0	0.0	0.0	0.0
Z6_PIPE_390	Z6_IL_1411	Z6_OF_1859	K10	218	0.015	Circular	1.25	-	0.4	0.7	1.1	2.7
Z6_PIPE_392	Z6_IL_1114	Z6_OF_1856	L10	174	0.010	Circular	1.25	-	3.5	6.8	10.2	13.3
Z6_PIPE_393	Z6_IL_1177	Z6_OF_1849	K10	93	0.024	Circular	1.50	-	1.6	2.8	4.8	6.6
Z6_PIPE_396	Z6_IL_896	Z6_OF_1821	J9	307	0.010	Circular	1.00	-	2.9	4.3	6.2	9.3
Z6_PIPE_397	Z6_CB_91	Z6_OF_1823	J9	146	0.015	Circular	1.00	-	0.8	1.2	1.7	2.5
Z6_PIPE_398	Z6_IL_885	Z6_OF_2028	K9	74	0.015	Circular	1.00	-	1.0	1.5	2.3	3.5
Z6_PIPE_400	Z6_MH_1804	Z6_CB_74	K11	60	0.010	Circular	2.00	-	3.9	5.2	6.9	9.3
Z6_PIPE_401	Z6_IL_1061	Z6_MH_1804	K11	2	0.010	Circular	1.25	-	3.9	5.2	6.9	9.3
Z6_PIPE_402	Z6_IL_1171	Z6_IL_1061	K11	42	0.010	Circular	1.25	-	3.9	5.2	6.9	9.3
Z6_PIPE_404	Z6_IL_955	Z6_IL_954	J11	108	0.015	Circular	2.00	-	1.2	1.8	2.7	4.0
Z6_PIPE_405	Z6_IL_1099	Z6_IL_1098	K11	30	0.015	Circular	1.00	-	2.6	4.6	7.0	8.7
Z6_PIPE_406	Z6_IL_1178	Z6_IL_1179	J11	35	0.015	Circular	1.00	-	0.4	0.6	0.8	1.2
Z6_PIPE_407	Z6_IL_1179	Z6_OF_1861	J11	41	0.015	Circular	1.25	-	0.4	0.6	0.8	1.2
Z6_PIPE_408	Z6_IL_732	Z6_MH_1617	L12	28	0.015	Circular	1.50	-	0.3	0.5	0.9	1.7
Z6_PIPE_41	Z6_MH_1677	Z6_MH_1676	G9	165	0.015	Circular	3.00	-	11.1	15.3	21.4	29.8
Z6_PIPE_410	Z6_IL_2170	Z6_IL_985	M12	68	0.015	Circular	2.00	-	0.2	0.3	0.5	0.8
Z6_PIPE_411	Z6_IL_985	Z6_MH_1659	M12	78	0.015	Circular	2.00	-	0.2	0.3	0.5	0.8
Z6_PIPE_412	Z6_MH_1630	Z6_MH_1613	P14	394	0.015	Circular	1.50	-	1.2	1.8	2.8	5.5
Z6_PIPE_413	Z6_MH_1612	Z6_OF_1946	P14	73	0.010	Circular	2.25	-	4.9	7.6	12.0	18.5
Z6_PIPE_414	Z6_IL_1057	Z6_IL_770	P14	111	0.015	Circular	1.00	-	0.4	0.5	0.8	1.7
Z6_PIPE_415	Z6_IL_770	Z6_MH_1611	P14	69	0.015	Circular	1.25	-	1.3	2.0	3.0	5.9
Z6_PIPE_416	Z6_MH_1611	Z6_MH_1605	P14	379	0.015	Circular	2.00	-	2.4	3.7	5.5	10.7
Z6_PIPE_417	Z6_IL_1058	Z6_IL_700	P13	96	0.015	Circular	1.00	-	1.0	1.5	2.3	4.4
Z6_PIPE_418	Z6_IL_700	Z6_MH_1605	P13	106	0.015	Circular	1.00	-	1.2	1.7	2.7	5.1
Z6_PIPE_419	Z6_MH_1605	Z6_MH_1604	P13	489	0.015	Circular	2.00	-	3.6	5.4	8.2	15.8
Z6_PIPE_42	Z6_IL_1139	Z6_MH_1677	G9	16	0.010	Circular	1.00	-	0.0	0.0	0.0	0.0
Z6_PIPE_420	Z6_MH_1604	Z6_IL_1210	P13	26	0.015	Circular	2.00	-	5.4	8.0	12.5	23.7
Z6_PIPE_421	Z6_IL_1210	Z6_MH_2277	P13	40	0.015	Circular	2.00	-	5.4	8.0	12.5	23.7
Z6_PIPE_425	Z6_MH_1552	Z6_MH_1551	L10	191	0.015	Circular	1.00	-	2.5	2.8	3.3	4.0
Z6_PIPE_426	Z6_MH_1696	Z6_MH_1552	K11	174	0.015	Circular	1.00	-	2.9	3.4	4.1	5.1
Z6_PIPE_428	Z6_IL_2148	Z6_OF_2208	J10	51	0.015	Circular	1.50	-	3.8	5.2	6.9	9.7
Z6_PIPE_429	Z6_MH_2232	Z6_IL_840	J10	267	0.015	Circular	2.00	-	3.8	5.2	6.9	9.7
Z6_PIPE_43	Z6_IL_1138	Z6_MH_1677	G9	19	0.015	Circular	1.00	-	0.0	0.0	0.0	0.0
Z6_PIPE_430	Z6_IL_2233	Z6_MH_2232	J10	79	0.015	Circular	2.00	-	3.8	5.2	6.9	9.7
Z6_PIPE_431	Z6_IL_834	Z6_IL_833	J10	76	0.010	Circular	1.25	-	5.2	7.2	10.1	11.0
Z6_PIPE_432	Z6_IL_833	Z6_IL_819	J10	65	0.010	Circular	1.00	-	5.2	6.9	7.1	7.7
Z6_PIPE_433	Z6_IL_819	Z6_IL_820	J10	89	0.010	Circular	1.00	-	5.2	6.7	7.1	7.7
Z6_PIPE_434	Z6_IL_820	Z6_IL_821	J10	98	0.010	Circular	1.00	-	5.2	6.7	7.1	7.7
Z6_PIPE_435	Z6_IL_821	Z6_IL_824	J10	122	0.010	Circular	1.25	-	6.3	8.3	9.0	10.1
Z6_PIPE_438	Z6_IL_832	Z6_IL_824	J11	59	0.010	Circular	1.00	-	0.0	0.0	0.0	0.0
Z6_PIPE_439	Z6_IL_824	Z6_IL_825	J11	184	0.010	Circular	1.50	-	6.3	8.2	9.0	10.1
Z6_PIPE_440	Z6_IL_831	Z6_IL_825	J11	41	0.015	Circular	1.00	-	0.7	0.8	1.1	1.4
Z6_PIPE_441	Z6_IL_825	Z6_IL_826	J11	190	0.010	Circular	2.00	-	6.6	8.8	10.0	11.4
Z6_PIPE_442	Z6_IL_826	Z6_IL_827	J11	83	0.010	Circular	2.00	-	6.6	8.8	10.0	11.4
Z6_PIPE_443	Z6_IL_827	Z6_IL_830	J11	41	0.015	Circular	2.00	-	8.7	11.6	13.8	16.5
Z6_PIPE_445	Z6_CB_143	Z6_OF_1871	K11	135	0.024	Circular	1.00	-	0.8	0.9	1.2	1.5
Z6_PIPE_447	Z6_IL_830	Z6_OF_1870	J11	61	0.015	Circular	2.00	-	8.7	11.6	13.8	16.5
Z6_PIPE_448	Z6_MH_1662	Z6_MH_1705	K11	143	0.010	Circular	2.00	-	4.3	5.7	7.7	10.5
Z6_PIPE_449	Z6_MH_1705	Z6_MH_1704	K11	25	0.010	Circular	2.00	-	4.8	6.4	8.6	11.8
Z6_PIPE_45	Z6_MH_1678	Z6_MH_1677	G9	225	0.015	Circular	3.00	-	11.1	15.4	21.4	29.8
Z6_PIPE_450	Z6_MH_1704	Z6_SGIL_2123	L11	42	0.010	Circular	2.00	-	30.0	30.0	30.0	30.0
Z6_PIPE_451	Z6_SGIL_2123	Z6_OF_1868	K11	52	0.010	Circular	2.00	-	38.6	38.6	38.6	38.6
Z6_PIPE_452	Z6_IL_1089	Z6_IL_1088	K11	39	0.010	Circular	2.00	-	4.3	5.7	7.7	10.5
Z6_PIPE_453	Z6_IL_1088	Z6_MH_1662	K11	40	0.010	Circular	2.00	-	4.3	5.7	7.7	10.5
Z6_PIPE_454	Z6_IL_1495	Z6_MH_1662	K11	12	0.010	Circular	1.75	-	0.0	0.0	0.0	0.0
Z6_PIPE_455	Z6_SGIL_2121	Z6_OF_1873	L10	13	0.024	Circular	1.00	-	6.5	7.4	8.8	11.0
Z6_PIPE_456	Z6_CB_76	Z6_OF_1872	L10	108	0.024	Circular	1.00	-	0.5	0.7	0.8	1.1

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Zone 6 Existing Pipes

Link ID*	From Node	To Node	County Grid #	Length (ft)	Manning's N	Shape	Max Depth (ft)	Bottom Width (ft)	Max Q (cfs)			
									5Yr	10Yr	25Yr	100Yr
Z6_PIPE_459	Z6_IL_1402	Z6_IL_1418	K12	62	0.015	Circular	1.50	-	2.7	5.6	10.2	17.1
Z6_PIPE_46	Z6_MH_1679	Z6_MH_1678	G9	45	0.015	Circular	3.75	-	10.7	14.9	20.8	28.8
Z6_PIPE_460	Z6_IL_1205	Z6_OF_2019	N12	209	0.015	Circular	1.50	-	0.8	1.1	2.2	4.0
Z6_PIPE_461	Z6_IL_1086	Z6_MH_1694	L11	16	0.015	Circular	1.50	-	7.7	5.1	6.7	8.4
Z6_PIPE_462	Z6_MH_1694	Z6_MH_1733	L11	109	0.015	Circular	1.00	-	5.9	3.2	6.1	5.3
Z6_PIPE_463	Z6_IL_1085	Z6_IL_1084	L11	20	0.015	Circular	1.00	-	1.8	2.4	3.7	5.4
Z6_PIPE_464	Z6_IL_889	Z6_IL_887	K10	167	0.015	Circular	1.00	-	1.0	1.6	2.4	3.7
Z6_PIPE_465	Z6_IL_887	Z6_OF_2025	K10	102	0.015	Circular	1.00	-	1.7	2.7	4.0	6.2
Z6_PIPE_47	Z6_IL_1140	Z6_MH_1678	G9	8	0.015	Circular	1.00	-	0.0	0.0	0.0	0.0
Z6_PIPE_476	Z6_IL_1157	Z6_IL_1158	J10	242	0.015	Circular	1.50	-	1.6	2.0	2.5	3.3
Z6_PIPE_477	Z6_IL_1158	Z6_IL_738	J10	153	0.010	Circular	1.50	-	2.6	3.4	4.5	6.1
Z6_PIPE_479	Z6_CB_33	Z6_CB_108	J10	42	0.024	Circular	1.00	-	1.3	1.8	2.5	3.6
Z6_PIPE_48	Z6_SGIL_2098	Z6_MH_1556	K12	15	0.015	Circular	1.50	-	7.0	10.3	14.6	20.7
Z6_PIPE_482	Z6_IL_736	Z6_SGIL_2110	J10	21	0.010	Circular	1.00	-	0.8	1.2	1.7	2.4
Z6_PIPE_483	Z6_CB_107	Z6_SGIL_2110	J10	87	0.010	Circular	1.00	-	0.5	0.6	0.9	1.2
Z6_PIPE_484	Z6_SGIL_2110	Z6_CB_33	J10	93	0.010	Circular	1.00	-	1.3	1.8	2.5	3.6
Z6_PIPE_49	Z6_MH_1731	Z6_MH_1716	K13	121	0.010	Circular	1.50	-	2.5	5.8	10.1	16.1
Z6_PIPE_495	Z6_IL_993	Z6_OF_2175	M12	33	0.010	Circular	1.50	-	0.2	0.4	0.7	1.2
Z6_PIPE_496	Z6_IL_2141	Z6_OF_2203	M12	29	0.024	Circular	1.83	-	10.8	15.8	29.8	42.9
Z6_PIPE_497	Z6_IL_2142	Z6_MH_1707	M12	79	0.015	Circular	3.00	-	11.0	16.1	27.3	43.6
Z6_PIPE_498	Z6_IL_1056	Z6_MH_1660	M12	24	0.015	Circular	1.50	-	0.4	0.8	1.5	2.5
Z6_PIPE_499	Z6_IL_987	Z6_MH_1661	M12	22	0.015	Circular	1.00	-	0.1	0.3	0.6	1.0
Z6_PIPE_50	Z6_MH_1717	Z6_MH_1731	K13	131	0.010	Circular	1.50	-	2.5	5.8	10.1	16.1
Z6_PIPE_500	Z6_IL_986	Z6_MH_1661	M12	21	0.015	Circular	1.00	-	0.2	0.5	0.9	1.5
Z6_PIPE_501	Z6_CB_149	Z6_IL_1202	M12	45	0.015	Circular	1.00	-	0.2	0.5	0.9	1.6
Z6_PIPE_502	Z6_IL_1202	Z6_OF_2077	M12	897	0.015	Circular	2.00	-	3.6	5.3	7.7	11.7
Z6_PIPE_503	Z6_CB_150	Z6_IL_965	M12	42	0.015	Circular	1.00	-	0.2	0.4	0.7	1.4
Z6_PIPE_504	Z6_IL_964	Z6_IL_1202	M12	207	0.015	Circular	2.00	-	3.4	5.0	7.3	11.1
Z6_PIPE_505	Z6_IL_965	Z6_IL_964	M12	42	0.015	Circular	2.00	-	3.4	5.0	7.3	11.1
Z6_PIPE_506	Z6_IL_1203	Z6_IL_963	M12	41	0.015	Circular	1.00	-	0.3	0.5	1.0	1.8
Z6_PIPE_507	Z6_IL_963	Z6_IL_965	M12	273	0.015	Circular	2.00	-	3.2	4.7	6.9	10.5
Z6_PIPE_508	Z6_IL_962	Z6_IL_961	L12	31	0.015	Circular	1.00	-	2.1	3.1	4.6	8.1
Z6_PIPE_509	Z6_IL_960	Z6_IL_1204	L12	121	0.015	Circular	1.75	-	2.7	4.0	6.0	9.1
Z6_PIPE_51	Z6_IL_295	Z6_OF_1939	O13	91	0.015	Circular	1.00	-	1.6	2.4	3.3	4.4
Z6_PIPE_510	Z6_IL_1162	Z6_IL_963	L12	272	0.015	Circular	1.75	-	3.0	4.4	6.4	9.8
Z6_PIPE_511	Z6_IL_908	Z6_IL_960	L12	142	0.015	Circular	1.00	-	0.5	0.8	1.4	1.5
Z6_PIPE_512	Z6_IL_2257	Z6_IL_960	L12	91	0.024	Circular	1.00	-	0.1	0.1	0.3	0.6
Z6_PIPE_513	Z6_IL_1161	Z6_IL_1162	L12	31	0.015	Circular	1.00	-	0.2	0.3	0.7	1.2
Z6_PIPE_516	Z6_CB_152	Z6_CB_153	M12	35	0.015	Circular	1.00	-	0.9	1.3	2.1	3.9
Z6_PIPE_517	Z6_CB_153	Z6_OF_2016	M12	70	0.015	Circular	1.00	-	1.2	1.7	2.7	4.9
Z6_PIPE_518	Z6_IL_1207	Z6_IL_1206	L12	40	0.015	Circular	1.00	-	0.2	0.4	0.7	1.3
Z6_PIPE_519	Z6_IL_1206	Z6_OF_2015	L12	192	0.015	Circular	1.00	-	0.3	0.6	1.1	2.0
Z6_PIPE_520	Z6_IL_966	Z6_IL_967	L12	17	0.015	Circular	1.00	-	0.3	0.6	1.2	2.1
Z6_PIPE_521	Z6_IL_967	Z6_OF_2010	L12	256	0.015	Circular	1.00	-	0.3	0.6	1.2	2.1
Z6_PIPE_522	Z6_IL_1406	Z6_OF_1885	M11	267	0.010	Circular	2.00	-	0.9	1.3	2.4	4.4
Z6_PIPE_526	Z6_IL_772	Z6_MH_1630	P14	76	0.015	Circular	1.00	-	0.8	1.2	2.0	3.8
Z6_PIPE_527	Z6_IL_771	Z6_MH_1630	P14	43	0.015	Circular	1.00	-	0.4	0.5	0.9	1.7
Z6_PIPE_528	Z6_IL_724	Z6_IL_723	P14	72	0.015	Circular	1.00	-	1.0	1.5	2.3	4.5
Z6_PIPE_529	Z6_MH_1613	Z6_MH_1612	P14	87	0.015	Circular	2.00	-	4.9	7.5	11.9	18.1
Z6_PIPE_530	Z6_IL_723	Z6_MH_1611	P14	297	0.015	Circular	1.50	-	1.1	1.7	2.5	4.9
Z6_PIPE_531	Z6_MH_1558	Z6_IL_443	H10	121	0.015	Circular	1.75	-	4.0	5.6	7.8	11.3
Z6_PIPE_532	Z6_IL_443	Z6_MH_1625	H10	24	0.015	Circular	2.00	-	6.6	9.1	12.6	18.1
Z6_PIPE_533	Z6_IL_453	Z6_IL_456	H9	25	0.010	Circular	1.50	-	3.8	5.0	6.8	9.5
Z6_PIPE_534	Z6_IL_973	Z6_IL_972	L12	33	0.015	Circular	1.00	-	0.2	0.4	0.7	1.3
Z6_PIPE_535	Z6_IL_975	Z6_IL_974	L12	23	0.015	Circular	1.00	-	0.1	0.2	0.4	0.7
Z6_PIPE_536	Z6_IL_974	Z6_OF_2174	L12	72	0.015	Circular	1.00	-	0.1	0.2	0.4	0.7
Z6_PIPE_537	Z6_IL_970	Z6_IL_971	K12	23	0.015	Circular	1.50	-	3.5	5.7	8.4	12.3
Z6_PIPE_538	Z6_IL_971	Z6_OF_2007	K12	158	0.015	Circular	1.50	-	3.5	5.7	8.4	12.3
Z6_PIPE_539	Z6_IL_1208	Z6_IL_1209	L12	45	0.010	Circular	1.00	-	0.3	0.7	1.1	1.7
Z6_PIPE_540	Z6_IL_1209	Z6_CB_154	L12	12	0.010	Circular	1.00	-	0.3	0.7	1.1	1.7
Z6_PIPE_541	Z6_CB_154	Z6_OF_2008	L12	63	0.010	Circular	1.00	-	0.3	0.7	1.1	1.7
Z6_PIPE_542	Z6_IL_983	Z6_IL_982	L12	24	0.015	Circular	1.25	-	0.2	0.4	0.7	1.2
Z6_PIPE_543	Z6_IL_2014	Z6_IL_982	L12	79	0.015	Circular	1.50	-	0.2	0.4	0.6	1.1
Z6_PIPE_545	Z6_IL_979	Z6_MH_1650	L12	23	0.015	Circular	1.50	-	0.2	0.2	0.6	1.3
Z6_PIPE_547	Z6_IL_2009	Z6_MH_1650	L12	101	0.015	Circular	1.50	-	0.6	0.9	1.3	2.0
Z6_PIPE_548	Z6_IL_980	Z6_MH_1651	L12	21	0.015	Circular	1.50	-	0.5	0.8	1.9	3.9
Z6_PIPE_549	Z6_MH_1651	Z6_MH_1652	L12	275	0.015	Circular	3.00	-	17.0	25.1	32.6	42.3
Z6_PIPE_55	Z6_IL_1170	Z6_MH_1702	J10	334	0.015	Circular	1.83	-	2.2	3.0	4.0	5.6
Z6_PIPE_550	Z6_IL_2256	Z6_MH_1652	L12	71	0.015	Circular	1.50	-	3.7	6.6	16.3	18.7
Z6_PIPE_551	Z6_IL_981	Z6_MH_1653	L12	21	0.015	Circular	2.00	-	0.6	1.0	2.1	3.9

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Zone 6 Existing Pipes

Link ID*	From Node	To Node	County Grid #	Length (ft)	Manning's N	Shape	Max Depth (ft)	Bottom Width (ft)	Max Q (cfs)			
									5Yr	10Yr	25Yr	100Yr
Z6_PIPE_552	Z6_IL_984	Z6_MH_1654	L12	31	0.015	Circular	2.50	-	11.6	16.2	28.4	47.4
Z6_PIPE_553	Z6_IL_976	Z6_IL_1199	L12	64	0.015	Circular	2.00	-	0.4	0.9	1.7	3.1
Z6_PIPE_554	Z6_IL_1400	Z6_OF_1888	K11	73	0.024	Circular	1.00	-	6.9	8.4	9.4	11.0
Z6_PIPE_555	Z6_IL_1059	Z6_IL_699	P14	76	0.015	Circular	1.25	-	0.4	0.6	1.0	1.7
Z6_PIPE_557	Z6_IL_1211	Z6_MH_2247	K11	7	0.015	Circular	1.50	-	0.6	0.8	1.1	1.5
Z6_PIPE_558	Z6_IL_701	Z6_IL_702	P13	75	0.015	Circular	1.00	-	0.2	0.4	0.7	1.3
Z6_PIPE_559	Z6_IL_702	Z6_MH_1604	P13	57	0.015	Circular	1.25	-	0.8	1.3	2.5	4.4
Z6_PIPE_56	Z6_MH_2234	Z6_IL_1186	J10	694	0.015	Circular	1.25	-	0.8	0.9	1.0	1.2
Z6_PIPE_560	Z6_IL_699	Z6_MH_1604	O14	260	0.015	Circular	1.25	-	1.0	1.4	2.5	4.4
Z6_PIPE_561	Z6_IL_990	Z6_MH_1655	O13	46	0.010	Circular	1.00	-	0.6	0.8	1.1	1.7
Z6_PIPE_562	Z6_IL_2275	Z6_MH_1655	O13	132	0.015	Circular	3.00	-	17.7	28.8	45.3	71.2
Z6_PIPE_563	Z6_IL_752	Z6_MH_1656	O14	6	0.010	Circular	1.00	-	0.2	0.4	0.6	0.9
Z6_PIPE_564	Z6_IL_997	Z6_IL_999	K12	75	0.015	Circular	1.00	-	1.1	2.4	3.0	3.2
Z6_PIPE_565	Z6_IL_999	Z6_IL_998	K12	76	0.015	Circular	1.25	-	1.6	2.8	3.4	3.8
Z6_PIPE_5694	Z6_MH_1811	Z6_MH_1810	H8	3	0.015	Circular	1.00	-	0.0	0.0	0.0	0.4
Z6_PIPE_5695	Z6_MH_1707	Z6_MH_1647	M12	58	0.010	Circular	4.00	-	0.0	0.0	0.0	0.0
Z6_PIPE_5696	Z6_MH_1647	Z6_MH_1648	M12	9	0.010	Circular	4.00	-	0.0	0.0	0.0	0.1
Z6_PIPE_5697	Z6_IL_961	Z6_IL_960	L12	44	0.015	Circular	1.75	-	2.2	3.2	4.7	8.4
Z6_PIPE_5698	Z6_MH_1661	Z6_MH_1707	M12	130	0.010	Circular	4.00	-	0.0	0.0	0.0	0.0
Z6_PIPE_5711	Z6_MH_2272	Z6_OF_5576	M13	190	0.015	Circular	1.50	-	0.0	0.0	2.0	7.5
Z6_PIPE_5712	Z6_MH_1640	Z6_MH_1709	J11	57	0.015	Circular	1.50	-	0.0	0.0	0.0	0.0
Z6_PIPE_578	Z6_IL_1199	Z6_IL_981	L12	160	0.015	Circular	2.00	-	0.4	0.9	1.7	3.1
Z6_PIPE_579	Z6_IL_674	Z6_OF_1860	N14	247	0.015	Circular	1.00	-	0.9	1.2	1.6	2.3
Z6_PIPE_58	Z6_IL_982	Z6_MH_1654	L12	425	0.015	Circular	3.00	-	20.0	31.5	37.8	46.8
Z6_PIPE_580	Z6_IL_675	Z6_OF_1894	O14	139	0.015	Circular	1.00	-	0.3	0.5	0.6	0.9
Z6_PIPE_581	Z6_MH_1628	Z6_MH_1619	N14	257	0.015	Circular	1.50	-	0.8	1.5	3.3	6.3
Z6_PIPE_582	Z6_IL_767	Z6_IL_766	N14	33	0.015	Circular	1.00	-	0.2	0.5	1.0	1.9
Z6_PIPE_583	Z6_MH_1629	Z6_MH_1628	N14	204	0.015	Circular	1.25	-	0.8	1.5	3.3	6.3
Z6_PIPE_584	Z6_IL_766	Z6_MH_1629	N14	34	0.015	Circular	1.00	-	0.8	1.5	3.3	6.3
Z6_PIPE_585	Z6_MH_1627	Z6_MH_1618	N14	187	0.015	Circular	2.00	-	0.3	0.7	1.3	2.3
Z6_PIPE_586	Z6_IL_733	Z6_OF_1828	N14	32	0.015	Circular	2.00	-	1.1	1.9	3.9	7.3
Z6_PIPE_587	Z6_MH_1618	Z6_IL_733	N14	24	0.015	Circular	1.75	-	1.1	1.9	3.9	7.3
Z6_PIPE_588	Z6_IL_758	Z6_OF_1827	O13	44	0.015	Circular	1.00	-	1.3	2.0	3.1	4.8
Z6_PIPE_589	Z6_MH_1619	Z6_IL_708	N14	91	0.015	Circular	1.50	-	1.7	3.5	7.1	12.4
Z6_PIPE_59	Z6_MH_1660	Z6_MH_1661	M12	83	0.015	Circular	4.00	-	26.6	44.6	68.7	97.7
Z6_PIPE_590	Z6_IL_708	Z6_IL_709	N14	44	0.015	Circular	1.50	-	1.7	3.5	7.1	10.5
Z6_PIPE_591	Z6_IL_709	Z6_MH_1608	N14	130	0.015	Circular	1.50	-	2.1	4.4	8.4	12.2
Z6_PIPE_592	Z6_MH_1608	Z6_MH_1609	N14	90	0.015	Circular	1.50	-	2.0	4.4	8.4	12.2
Z6_PIPE_593	Z6_MH_1609	Z6_IL_710	N14	59	0.015	Circular	1.50	-	2.7	5.8	10.5	15.2
Z6_PIPE_594	Z6_IL_1048	Z6_IL_1053	N13	209	0.015	Circular	1.75	-	1.0	1.5	3.0	6.2
Z6_PIPE_595	Z6_MH_1658	Z6_IL_1048	N14	155	0.015	Circular	1.50	-	1.0	1.5	3.0	6.2
Z6_PIPE_596	Z6_IL_1049	Z6_MH_1658	N14	39	0.015	Circular	1.25	-	0.5	0.8	1.4	3.1
Z6_PIPE_597	Z6_IL_1050	Z6_MH_1770	N14	61	0.015	Circular	1.25	-	0.3	0.7	1.3	2.2
Z6_PIPE_598	Z6_IL_911	Z6_IL_910	N13	113	0.015	Circular	2.50	-	7.0	13.3	24.9	44.8
Z6_PIPE_599	Z6_IL_910	Z6_IL_1047	N13	191	0.015	Circular	3.00	-	8.9	16.9	30.5	53.5
Z6_PIPE_600	Z6_IL_1046	Z6_IL_1047	N13	35	0.015	Circular	1.00	-	0.4	0.6	1.0	1.6
Z6_PIPE_601	Z6_IL_909	Z6_IL_911	N13	266	0.015	Circular	2.50	-	6.7	12.5	23.7	42.9
Z6_PIPE_602	Z6_IL_1055	Z6_IL_909	N13	39	0.015	Circular	1.00	-	0.3	0.5	0.9	1.7
Z6_PIPE_603	Z6_IL_1238	Z6_IL_1239	L12	23	0.015	Circular	1.50	-	0.7	1.6	2.8	4.7
Z6_PIPE_604	Z6_IL_946	Z6_IL_947	M12	69	0.015	Circular	1.25	-	0.2	0.3	0.6	1.6
Z6_PIPE_605	Z6_IL_1387	Z6_IL_947	M12	48	0.015	Circular	1.00	-	0.2	0.2	0.5	1.2
Z6_PIPE_606	Z6_IL_947	Z6_OF_1899	M12	86	0.015	Circular	1.50	-	0.3	0.5	1.1	2.8
Z6_PIPE_607	Z6_IL_949	Z6_IL_948	N12	39	0.015	Circular	1.00	-	0.1	0.1	0.3	0.6
Z6_PIPE_61	Z6_IL_773	Z6_MH_2259	N12	26	0.015	Circular	1.00	-	0.1	0.2	0.2	0.4
Z6_PIPE_610	Z6_IL_923	Z6_IL_2273	L13	46	0.015	Circular	1.00	-	0.1	0.3	0.5	0.8
Z6_PIPE_611	Z6_IL_2273	Z6_IL_1023	L13	44	0.015	Circular	2.00	-	5.6	10.0	18.5	31.2
Z6_PIPE_612	Z6_IL_924	Z6_OF_2020	L13	254	0.015	Circular	1.00	-	0.4	0.9	1.6	2.7
Z6_PIPE_613	Z6_IL_1023	Z6_OF_1832	L13	295	0.015	Circular	2.00	-	5.9	10.6	19.7	33.1
Z6_PIPE_614	Z6_IL_1490	Z6_IL_918	L13	25	0.015	Circular	1.00	-	1.2	2.8	4.8	6.5
Z6_PIPE_615	Z6_IL_919	Z6_IL_1491	L13	30	0.015	Circular	1.00	-	0.5	1.1	2.0	3.2
Z6_PIPE_616	Z6_IL_1491	Z6_IL_1490	L13	251	0.015	Circular	1.00	-	0.5	1.1	2.0	3.8
Z6_PIPE_619	Z6_IL_1240	Z6_IL_942	L13	44	0.015	Circular	1.50	-	2.2	4.9	7.9	12.1
Z6_PIPE_62	Z6_IL_774	Z6_IL_773	N12	55	0.015	Circular	1.00	-	1.1	1.6	2.5	3.8
Z6_PIPE_620	Z6_IL_915	Z6_IL_914	L12	24	0.015	Circular	1.25	-	2.1	4.5	7.6	11.1
Z6_PIPE_621	Z6_IL_914	Z6_MH_1691	L12	16	0.015	Circular	1.25	-	2.7	5.6	9.7	14.4
Z6_PIPE_623	Z6_MH_1698	Z6_OF_2176	N12	30	0.015	Circular	2.00	-	0.8	1.2	2.4	4.4
Z6_PIPE_63	Z6_IL_775	Z6_MH_1632	N12	46	0.015	Circular	3.00	-	10.2	15.2	23.6	42.4
Z6_PIPE_638	Z6_IL_560	Z6_MH_1567	H10	28	0.015	Circular	2.50	-	0.3	0.4	0.5	0.7
Z6_PIPE_639	Z6_MH_1567	Z6_MH_1574	H10	139	0.015	Circular	3.50	-	23.5	32.5	45.1	64.9
Z6_PIPE_640	Z6_MH_1574	Z6_MH_1538	H10	102	0.015	Circular	3.00	-	23.5	32.5	45.1	64.9

\*The term "NEW" in a Link ID does not reflect the age or condition of the actual link. It is modeling nomenclature only.

## Zone 6 Existing Pipes

Link ID*	From Node	To Node	County Grid #	Length (ft)	Manning's N	Shape	Max Depth (ft)	Bottom Width (ft)	Max Q (cfs)			
									5Yr	10Yr	25Yr	100Yr
Z6_PIPE_641	Z6_IL_2165	Z6_MH_1539	J10	93	0.015	Circular	2.50	-	7.9	11.1	15.6	21.1
Z6_PIPE_642	Z6_MH_1538	Z6_MH_1540	H10	364	0.015	Circular	4.00	-	24.3	33.5	46.5	66.9
Z6_PIPE_643	Z6_IL_234	Z6_MH_1540	H10	139	0.015	Circular	2.25	-	4.9	6.8	9.3	13.8
Z6_PIPE_644	Z6_IL_2165	Z6_IL_234	H10	172	0.015	Circular	1.75	-	3.5	4.7	6.1	8.4
Z6_PIPE_645	Z6_IL_640	Z6_IL_641	K11	41	0.015	Circular	1.50	-	6.3	9.0	12.7	18.5
Z6_PIPE_646	Z6_IL_642	Z6_IL_640	K11	119	0.015	Circular	1.00	-	2.2	3.1	4.2	6.0
Z6_PIPE_647	Z6_IL_641	Z6_IL_1401	K11	145	0.015	Circular	1.25	-	6.9	10.0	14.0	16.4
Z6_PIPE_648	Z6_MH_1582	Z6_OF_1916	O13	142	0.015	Circular	1.50	-	3.4	6.1	10.0	15.9
Z6_PIPE_653	Z6_SGIL_2124	Z6_OF_2057	J11	156	0.015	Circular	1.00	-	0.5	0.7	1.0	1.4
Z6_PIPE_654	Z6_IL_988	Z6_MH_1769	L11	293	0.015	Circular	2.50	-	15.5	21.1	24.7	29.6
Z6_PIPE_655	Z6_MH_1769	Z6_MH_1650	L12	171	0.015	Circular	2.50	-	16.4	23.4	29.2	36.9
Z6_PIPE_656	Z6_MH_1617	Z6_MH_1659	M12	458	0.015	Circular	4.00	-	25.8	43.6	67.2	95.3
Z6_PIPE_657	Z6_MH_1659	Z6_MH_1660	M12	157	0.015	Circular	4.00	-	26.2	44.1	68.0	96.6
Z6_PIPE_658	Z6_MH_2272	Z6_OF_1945	M13	212	0.015	Circular	1.00	-	5.1	6.1	7.2	7.4
Z6_PIPE_660	Z6_IL_715	Z6_MH_2272	M13	173	0.015	Circular	1.00	-	2.5	4.1	6.3	8.7
Z6_PIPE_661	Z6_IL_920	Z6_MH_1691	L12	249	0.015	Circular	1.50	-	0.7	1.6	2.8	4.7
Z6_PIPE_662	Z6_IL_1239	Z6_IL_920	L12	136	0.015	Circular	1.50	-	0.7	1.6	2.8	4.7
Z6_PIPE_663	Z6_IL_1241	Z6_IL_943	L12	46	0.015	Circular	1.50	-	3.9	7.9	13.5	15.2
Z6_PIPE_664	Z6_MH_1691	Z6_IL_1488	L12	220	0.015	Circular	1.50	-	3.9	7.9	14.0	22.1
Z6_PIPE_665	Z6_IL_1489	Z6_IL_1016	L12	261	0.010	Circular	1.50	-	3.9	7.9	13.4	14.8
Z6_PIPE_666	Z6_MH_2267	Z6_MH_1691	L12	94	0.015	Circular	1.50	-	0.0	0.0	0.0	0.0
Z6_PIPE_667	Z6_IL_918	Z6_IL_927	L13	215	0.024	Circular	1.00	-	1.2	2.8	4.8	6.1
Z6_PIPE_668	Z6_IL_927	Z6_IL_926	L13	32	0.024	Circular	1.00	-	1.4	3.3	5.8	7.6
Z6_PIPE_669	Z6_IL_1016	Z6_IL_1017	L12	138	0.010	Circular	1.50	-	4.2	8.4	14.6	16.0
Z6_PIPE_670	Z6_IL_1017	Z6_OF_2005	L12	77	0.015	Circular	2.00	-	4.6	9.0	16.3	18.9
Z6_PIPE_671	Z6_IL_1022	Z6_IL_1021	L12	37	0.015	Circular	1.00	-	0.6	1.3	2.4	4.2
Z6_PIPE_672	Z6_IL_1020	Z6_IL_1021	L12	24	0.015	Circular	1.00	-	0.0	0.0	0.0	0.0
Z6_PIPE_673	Z6_IL_1021	Z6_OF_2004	L12	238	0.015	Circular	1.00	-	0.6	1.3	2.4	4.2
Z6_PIPE_674	Z6_IL_1019	Z6_IL_1018	K12	26	0.015	Circular	1.00	-	0.3	0.6	0.9	1.4
Z6_PIPE_675	Z6_IL_1018	Z6_OF_2187	K12	26	0.015	Circular	1.50	-	0.3	0.6	0.9	1.4
Z6_PIPE_676	Z6_IL_1242	Z6_IL_1243	K12	69	0.015	Circular	1.50	-	0.5	0.9	1.6	2.9
Z6_PIPE_677	Z6_IL_1245	Z6_MH_1717	L13	5	0.010	Circular	1.00	-	0.8	1.2	1.8	2.5
Z6_PIPE_678	Z6_MH_1716	Z6_IL_1244	K13	40	0.010	Circular	1.50	-	2.5	5.8	10.1	16.1
Z6_PIPE_679	Z6_IL_926	Z6_MH_1720	M13	124	0.015	Circular	1.50	-	1.4	3.3	5.8	7.6
Z6_PIPE_680	Z6_MH_1720	Z6_MH_1721	L13	393	0.015	Circular	1.50	-	1.4	3.3	5.8	7.6
Z6_PIPE_681	Z6_IL_929	Z6_IL_928	L13	31	0.015	Circular	1.00	-	0.5	1.2	2.1	3.4
Z6_PIPE_682	Z6_IL_928	Z6_MH_1721	L13	43	0.015	Circular	1.00	-	0.5	1.2	2.1	3.4
Z6_PIPE_683	Z6_MH_1721	Z6_OF_1904	L13	134	0.015	Circular	1.50	-	2.0	5.0	8.8	12.5
Z6_PIPE_684	Z6_IL_931	Z6_IL_930	L13	25	0.015	Circular	1.00	-	0.7	1.5	2.3	3.5
Z6_PIPE_685	Z6_IL_930	Z6_OF_1905	L13	126	0.015	Circular	1.83	-	0.7	1.5	2.3	3.5
Z6_PIPE_686	Z6_IL_940	Z6_IL_941	L12	21	0.015	Circular	1.00	-	0.8	1.7	2.6	3.8
Z6_PIPE_687	Z6_IL_941	Z6_OF_2021	L13	100	0.015	Circular	1.25	-	0.8	1.7	2.6	3.8
Z6_PIPE_688	Z6_IL_1042	Z6_OF_1908	M13	178	0.015	Circular	1.50	-	0.8	1.2	2.1	3.9
Z6_PIPE_689	Z6_IL_1038	Z6_IL_713	M13	16	0.024	Circular	1.00	-	1.2	1.7	3.3	6.2
Z6_PIPE_69	Z6_IL_419	Z6_IL_432	K12	58	0.010	Circular	1.00	-	1.1	2.0	3.1	4.7
Z6_PIPE_690	Z6_IL_1037	Z6_IL_713	M13	10	0.024	Circular	1.00	-	0.3	0.4	0.9	1.6
Z6_PIPE_691	Z6_IL_2155	Z6_IL_1253	J10	117	0.015	Circular	2.00	-	9.1	12.7	17.6	25.1
Z6_PIPE_692	Z6_IL_1253	Z6_IL_1252	J10	292	0.015	Circular	2.00	-	9.7	13.6	18.9	27.0
Z6_PIPE_693	Z6_MH_1644	Z6_IL_872	J10	348	0.015	Circular	1.25	-	2.2	3.2	4.6	6.8
Z6_PIPE_694	Z6_IL_1252	Z6_IL_1256	J10	304	0.015	Circular	3.25	-	25.1	35.1	45.5	59.3
Z6_PIPE_695	Z6_IL_1256	Z6_IL_1257	J10	184	0.015	Circular	3.25	-	32.4	45.4	59.2	76.4
Z6_PIPE_696	Z6_IL_2150	Z6_OF_2209	J10	66	0.015	Circular	1.83	-	3.8	5.2	7.2	10.3
Z6_PIPE_70	Z6_IL_420	Z6_IL_419	K12	76	0.010	Circular	1.00	-	1.1	2.0	3.1	4.7
Z6_PIPE_701	Z6_IL_1258	Z6_IL_1260	K12	32	0.015	Circular	1.50	-	5.7	8.2	11.6	18.5
Z6_PIPE_702	Z6_IL_1259	Z6_IL_1260	K12	31	0.015	Circular	1.50	-	10.5	14.1	18.5	22.7
Z6_PIPE_703	Z6_IL_1260	Z6_OF_2220	K12	6	0.015	Circular	2.50	-	16.2	22.3	30.1	43.7
Z6_PIPE_704	Z6_IL_969	Z6_IL_1258	K12	156	0.015	Circular	2.00	-	11.3	16.0	21.9	30.4
Z6_PIPE_705	Z6_IL_968	Z6_IL_969	K12	62	0.015	Circular	1.75	-	0.8	1.1	1.4	2.2
Z6_PIPE_706	Z6_MH_1649	Z6_IL_969	K12	15	0.010	Circular	2.00	-	7.4	10.9	15.4	21.9
Z6_PIPE_707	Z6_IL_2254	Z6_OF_2022	K12	27	0.010	Circular	1.75	-	16.2	22.3	30.1	41.6
Z6_PIPE_708	Z6_MH_1556	Z6_MH_1649	K12	167	0.015	Circular	2.00	-	7.4	10.9	15.4	21.9
Z6_PIPE_709	Z6_IL_1243	Z6_IL_1496	K12	97	0.015	Circular	1.50	-	1.1	2.2	4.2	7.3
Z6_PIPE_71	Z6_IL_421	Z6_IL_420	K12	83	0.010	Circular	1.00	-	1.1	2.0	3.1	4.7
Z6_PIPE_710	Z6_IL_1496	Z6_MH_1722	K12	16	0.015	Circular	1.75	-	1.1	2.2	4.2	7.3
Z6_PIPE_711	Z6_MH_1722	Z6_OF_2003	K12	46	0.015	Circular	1.50	-	1.1	2.2	4.2	7.3
Z6_PIPE_712	Z6_IL_1261	Z6_IL_1496	K12	5	0.015	Circular	1.00	-	0.0	0.0	0.0	0.0
Z6_PIPE_713	Z6_IL_409	Z6_IL_406	K12	108	0.015	Circular	1.00	-	2.5	3.4	4.6	6.4
Z6_PIPE_716	Z6_IL_1262	Z6_IL_1487	J11	140	0.010	Circular	1.50	-	3.6	7.3	12.5	18.6
Z6_PIPE_717	Z6_IL_1487	Z6_IL_811	J11	138	0.010	Circular	1.25	-	3.9	7.6	13.0	18.9
Z6_PIPE_718	Z6_IL_2144	Z6_OF_2206	J11	235	0.015	Circular	1.50	-	3.2	6.6	11.5	16.1

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Zone 6 Existing Pipes

Link ID*	From Node	To Node	County Grid #	Length (ft)	Manning's N	Shape	Max Depth (ft)	Bottom Width (ft)	Max Q (cfs)			
									5Yr	10Yr	25Yr	100Yr
Z6_PIPE_72	Z6_IL_422	Z6_IL_421	K12	77	0.010	Circular	1.00	-	1.1	2.0	3.1	4.7
Z6_PIPE_723	Z6_IL_1244	Z6_MH_1723	K13	64	0.010	Circular	1.50	-	3.2	7.0	11.9	17.3
Z6_PIPE_724	Z6_IL_1263	Z6_MH_1723	K13	95	0.024	Circular	1.00	-	1.3	1.9	2.8	3.8
Z6_PIPE_725	Z6_IL_2161	Z6_OF_1910	J9	94	0.015	Circular	1.50	-	2.2	3.1	4.7	8.7
Z6_PIPE_726	Z6_IL_1265	Z6_MH_1724	H10	68	0.015	Circular	1.00	-	0.6	0.8	1.1	1.6
Z6_PIPE_727	Z6_IL_1267	Z6_MH_1724	H10	5	0.015	Circular	1.00	-	0.0	0.0	0.0	0.0
Z6_PIPE_728	Z6_IL_1266	Z6_MH_1540	H10	10	0.015	Circular	1.00	-	1.6	2.3	3.3	4.8
Z6_PIPE_729	Z6_MH_1540	Z6_MH_1541	H10	13	0.015	Circular	4.00	-	38.8	53.9	74.9	104.5
Z6_PIPE_73	Z6_IL_423	Z6_IL_422	K12	83	0.010	Circular	1.00	-	0.3	0.8	1.4	2.3
Z6_PIPE_730	Z6_IL_231	Z6_OF_1961	H9	172	0.024	Circular	1.00	-	0.3	0.4	0.5	0.8
Z6_PIPE_731	Z6_IL_807	Z6_IL_806	J11	54	0.015	Circular	1.50	-	1.0	1.5	2.1	3.3
Z6_PIPE_732	Z6_IL_806	Z6_MH_1633	J11	19	0.015	Circular	2.50	-	21.2	34.7	51.9	69.7
Z6_PIPE_734	Z6_IL_2249	Z6_IL_1160	J11	45	0.024	Circular	1.25	-	4.6	6.7	9.7	11.9
Z6_PIPE_735	Z6_IL_1160	Z6_IL_799	J11	22	0.010	Circular	2.00	-	4.6	6.8	9.7	11.9
Z6_PIPE_736	Z6_IL_800	Z6_IL_799	J11	28	0.015	Circular	2.50	-	10.2	14.7	19.0	25.8
Z6_PIPE_737	Z6_MH_2251	Z6_IL_800	J11	13	0.015	Circular	2.00	-	10.2	14.7	19.0	25.8
Z6_PIPE_738	Z6_IL_2250	Z6_MH_2251	J11	61	0.010	Circular	1.00	-	10.2	14.7	19.0	25.8
Z6_PIPE_739	Z6_IL_802	Z6_IL_804	J11	187	0.015	Circular	2.50	-	19.3	32.1	48.1	63.4
Z6_PIPE_74	Z6_IL_424	Z6_IL_423	K12	61	0.010	Circular	1.00	-	0.3	0.8	1.4	2.3
Z6_PIPE_740	Z6_IL_799	Z6_IL_801	J11	215	0.015	Circular	2.50	-	12.4	20.1	23.8	32.9
Z6_PIPE_741	Z6_IL_801	Z6_IL_802	J11	30	0.015	Circular	2.50	-	12.4	20.1	23.8	39.5
Z6_PIPE_742	Z6_IL_803	Z6_IL_802	J11	33	0.015	Circular	1.50	-	8.5	13.8	24.1	34.3
Z6_PIPE_745	Z6_IL_873	Z6_IL_874	H10	34	0.015	Circular	1.25	-	3.5	4.5	5.9	8.1
Z6_PIPE_746	Z6_IL_874	Z6_IL_519	H10	82	0.015	Circular	1.50	-	3.5	4.5	5.9	8.1
Z6_PIPE_747	Z6_IL_518	Z6_IL_517	H10	47	0.015	Circular	1.50	-	3.5	4.5	5.9	8.1
Z6_PIPE_748	Z6_IL_515	Z6_MH_1561	H10	9	0.015	Circular	1.00	-	0.6	0.8	1.2	1.8
Z6_PIPE_749	Z6_IL_1268	Z6_MH_1565	H10	29	0.010	Circular	1.50	-	0.7	0.9	1.3	2.0
Z6_PIPE_75	Z6_IL_425	Z6_IL_424	K12	61	0.010	Circular	1.00	-	0.3	0.8	1.4	2.3
Z6_PIPE_750	Z6_SGMH_2134	Z6_IL_537	J10	13	0.010	Circular	1.00	-	13.0	16.5	18.5	19.6
Z6_PIPE_751	Z6_IL_537	Z6_OF_2074	J10	10	0.010	Circular	3.00	-	13.0	16.5	18.5	19.6
Z6_PIPE_76	Z6_IL_684	Z6_IL_425	K12	91	0.015	Circular	1.00	-	0.3	0.8	1.4	2.3
Z6_PIPE_765	Z6_MH_1632	Z6_MH_2259	N12	85	0.015	Circular	3.00	-	10.5	15.6	24.4	43.3
Z6_PIPE_766	Z6_IL_776	Z6_MH_1632	N12	403	0.015	Circular	1.00	-	0.3	0.6	1.1	1.9
Z6_PIPE_767	Z6_MH_1550	Z6_MH_1549	P14	128	0.010	Circular	1.00	-	1.2	1.6	2.2	3.0
Z6_PIPE_768	Z6_MH_1549	Z6_IL_250	P14	314	0.010	Circular	1.50	-	4.9	6.8	9.4	13.0
Z6_PIPE_769	Z6_IL_1420	Z6_IL_1234	O14	19	0.015	Circular	1.00	-	0.6	1.1	1.8	3.7
Z6_PIPE_77	Z6_IL_426	Z6_IL_684	K12	35	0.015	Circular	1.00	-	0.3	0.8	1.4	2.3
Z6_PIPE_770	Z6_IL_687	Z6_IL_1277	O14	14	0.015	Circular	1.00	-	1.2	1.7	2.3	3.2
Z6_PIPE_771	Z6_IL_1277	Z6_IL_688	O14	95	0.015	Circular	1.00	-	1.2	1.7	2.3	3.2
Z6_PIPE_772	Z6_IL_688	Z6_OF_1920	O14	162	0.015	Circular	1.00	-	1.2	1.7	2.3	3.2
Z6_PIPE_773	Z6_IL_686	Z6_MH_1771	O14	79	0.015	Circular	1.00	-	0.8	1.1	1.4	2.0
Z6_PIPE_774	Z6_IL_722	Z6_OF_1921	O14	173	0.024	Circular	1.00	-	0.9	1.3	1.8	2.6
Z6_PIPE_775	Z6_IL_1278	Z6_MH_1771	O14	21	0.015	Circular	1.00	-	0.6	0.9	1.1	1.6
Z6_PIPE_776	Z6_IL_1272	Z6_IL_1278	O14	31	0.015	Circular	1.00	-	0.6	0.9	1.1	1.6
Z6_PIPE_777	Z6_MH_1573	Z6_OF_1922	O14	159	0.024	Circular	1.00	-	2.4	3.4	4.6	6.6
Z6_PIPE_78	Z6_IL_211	Z6_IL_433	K12	9	0.015	Circular	1.00	-	0.4	1.0	1.7	2.8
Z6_PIPE_782	Z6_MH_1735	Z6_MH_1734	K13	92	0.010	Circular	1.50	-	2.1	4.9	8.6	14.0
Z6_PIPE_783	Z6_MH_1734	Z6_MH_1717	L13	115	0.010	Circular	1.50	-	2.1	4.9	8.6	14.0
Z6_PIPE_785	Z6_IL_805	Z6_IL_806	J11	253	0.015	Circular	2.50	-	20.6	33.9	50.7	66.2
Z6_PIPE_787	Z6_IL_2344	Z6_IL_1032	L13	48	0.015	Circular	1.00	-	1.5	2.9	5.2	8.6
Z6_PIPE_788	Z6_IL_1032	Z6_IL_1033	L13	23	0.015	Circular	1.00	-	1.5	2.9	5.2	8.6
Z6_PIPE_789	Z6_IL_1033	Z6_OF_1831	L13	124	0.015	Circular	1.00	-	1.5	2.9	5.2	8.6
Z6_PIPE_79	Z6_IL_433	Z6_IL_212	K12	169	0.010	Circular	1.00	-	0.4	1.0	1.7	2.8
Z6_PIPE_792	Z6_IL_1281	Z6_IL_1282	K14	34	0.015	Circular	3.50	-	6.7	11.0	16.4	38.5
Z6_PIPE_793	Z6_IL_1124	Z6_MH_1670	K14	128	0.015	Circular	5.00	-	24.6	48.8	104.2	228.1
Z6_PIPE_794	Z6_MH_1670	Z6_OF_2288	K14	878	0.015	Circular	5.00	-	24.5	48.7	104.0	227.7
Z6_PIPE_796	Z6_IL_1285	Z6_IL_1284	K14	43	0.015	Circular	1.00	-	5.6	10.9	19.4	33.3
Z6_PIPE_799	Z6_IL_1125	Z6_OF_1924	K14	23	0.024	Circular	1.00	-	0.3	0.6	1.0	1.7
Z6_PIPE_80	Z6_IL_212	Z6_SGMH_2133	L12	162	0.010	Circular	1.00	-	0.4	1.0	1.7	2.8
Z6_PIPE_804	Z6_IL_1287	Z6_OF_2060	K14	174	0.010	Circular	1.00	-	4.4	8.1	13.2	15.3
Z6_PIPE_806	Z6_IL_2323	Z6_IL_984	L12	154	0.015	Circular	2.50	-	11.3	15.8	27.7	46.4
Z6_PIPE_807	Z6_IL_1292	Z6_OF_1925	L11	59	0.015	Circular	1.00	-	0.8	0.9	1.0	1.1
Z6_PIPE_808	Z6_MH_1708	Z6_MH_1696	K11	173	0.015	Circular	1.00	-	3.1	3.7	4.5	5.7
Z6_PIPE_809	Z6_MH_1688	Z6_MH_1708	K11	147	0.015	Circular	1.00	-	4.4	5.9	7.6	10.0
Z6_PIPE_81	Z6_SGMH_2133	Z6_IL_434	K12	71	0.010	Circular	1.00	-	0.6	1.5	2.6	4.1
Z6_PIPE_810	Z6_MH_1588	Z6_MH_1700	N13	322	0.015	Circular	1.25	-	0.6	1.0	1.9	3.5
Z6_PIPE_811	Z6_IL_630	Z6_MH_1588	N13	29	0.015	Circular	1.00	-	0.5	0.7	1.5	2.9
Z6_PIPE_812	Z6_IL_629	Z6_IL_630	N13	80	0.015	Circular	1.00	-	0.4	0.7	1.4	2.4
Z6_PIPE_813	Z6_IL_2262	Z6_MH_1699	N12	52	0.015	Circular	1.50	-	0.0	0.0	0.0	0.0
Z6_PIPE_814	Z6_MH_1700	Z6_MH_1699	N12	310	0.015	Circular	1.50	-	0.6	1.0	1.9	3.5

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Zone 6 Existing Pipes

Link ID*	From Node	To Node	County Grid #	Length (ft)	Manning's N	Shape	Max Depth (ft)	Bottom Width (ft)	Max Q (cfs)			
									5Yr	10Yr	25Yr	100Yr
Z6_PIPE_815	Z6_IL_951	Z6_IL_950	N12	38	0.015	Circular	1.25	-	0.1	0.1	0.2	0.4
Z6_PIPE_816	Z6_IL_950	Z6_MH_1697	N12	34	0.015	Circular	1.00	-	0.1	0.1	0.2	0.4
Z6_PIPE_817	Z6_MH_1699	Z6_MH_1697	N12	444	0.015	Circular	2.00	-	0.6	1.0	1.9	3.5
Z6_PIPE_818	Z6_IL_1097	Z6_MH_2230	K10	90	0.024	Circular	1.25	-	0.4	0.9	1.5	2.2
Z6_PIPE_819	Z6_IL_1096	Z6_MH_2230	K10	27	0.010	Circular	1.00	-	0.3	0.6	1.0	1.5
Z6_PIPE_82	Z6_IL_210	Z6_OF_2002	K12	47	0.010	Circular	1.00	-	0.6	1.5	2.6	4.1
Z6_PIPE_820	Z6_MH_2230	Z6_IL_1095	K10	30	0.024	Circular	1.25	-	0.7	1.5	2.4	3.6
Z6_PIPE_821	Z6_IL_938	Z6_IL_939	L12	29	0.015	Circular	1.00	-	0.5	1.2	2.1	4.7
Z6_PIPE_822	Z6_IL_939	Z6_MH_1684	L12	236	0.015	Circular	1.00	-	1.0	2.3	4.2	5.0
Z6_PIPE_823	Z6_MH_1684	Z6_IL_937	L12	101	0.015	Circular	1.50	-	1.2	2.8	5.1	6.3
Z6_PIPE_824	Z6_IL_937	Z6_OF_2186	L12	156	0.015	Circular	1.50	-	1.3	3.1	5.7	7.3
Z6_PIPE_825	Z6_IL_932	Z6_IL_933	L12	25	0.015	Circular	1.00	-	0.2	0.5	0.9	1.6
Z6_PIPE_826	Z6_IL_933	Z6_MH_1684	L12	135	0.015	Circular	1.25	-	0.2	0.5	0.9	1.6
Z6_PIPE_827	Z6_IL_1194	Z6_IL_1193	K12	54	0.015	Circular	2.50	-	3.8	7.6	13.1	16.7
Z6_PIPE_828	Z6_IL_1294	Z6_IL_1293	K11	26	0.024	Circular	1.75	-	0.7	1.0	1.4	2.0
Z6_PIPE_829	Z6_IL_1293	Z6_OF_1927	K11	74	0.015	Circular	1.75	-	0.7	1.0	1.4	2.0
Z6_PIPE_83	Z6_MH_1537	Z6_MH_1555	L12	98	0.010	Circular	1.00	-	1.5	2.2	3.2	4.5
Z6_PIPE_830	Z6_IL_1295	Z6_OF_1928	J12	106	0.015	Circular	1.50	-	0.8	1.0	1.3	1.8
Z6_PIPE_832	Z6_IL_1104	Z6_OF_1988	H9	273	0.015	Circular	1.50	-	4.6	6.2	8.1	10.8
Z6_PIPE_833	Z6_IL_936	Z6_IL_935	L12	30	0.015	Circular	1.00	-	0.4	0.6	1.3	2.2
Z6_PIPE_834	Z6_IL_761	Z6_IL_760	L12	23	0.015	Circular	1.50	-	0.3	0.6	1.2	2.1
Z6_PIPE_835	Z6_IL_760	Z6_OF_2013	L12	159	0.015	Circular	1.50	-	0.3	0.6	1.2	2.1
Z6_PIPE_836	Z6_IL_935	Z6_MH_2266	L12	119	0.015	Circular	1.50	-	0.4	0.6	1.3	2.2
Z6_PIPE_837	Z6_IL_197	Z6_OF_1929	G9	82	0.010	Circular	1.00	-	1.2	1.6	2.0	2.7
Z6_PIPE_838	Z6_MH_2223	Z6_IL_197	G9	55	0.010	Circular	1.00	-	0.6	0.8	1.1	1.4
Z6_PIPE_84	Z6_IL_216	Z6_MH_1537	K12	63	0.010	Circular	1.00	-	0.2	0.5	0.9	1.4
Z6_PIPE_840	Z6_IL_1300	Z6_IL_1102	H9	29	0.010	Circular	1.25	-	1.3	1.9	2.6	3.8
Z6_PIPE_841	Z6_IL_1102	Z6_OF_1959	H9	204	0.010	Circular	1.25	-	1.3	1.9	2.6	3.8
Z6_PIPE_843	Z6_IL_902	Z6_IL_1303	G9	34	0.010	Circular	1.00	-	0.7	0.9	1.3	1.9
Z6_PIPE_849	Z6_IL_904	Z6_MH_1645	G9	14	0.010	Circular	1.00	-	4.6	6.3	7.0	7.6
Z6_PIPE_85	Z6_IL_218	Z6_IL_216	K12	32	0.010	Circular	1.00	-	0.2	0.5	0.9	1.4
Z6_PIPE_850	Z6_MH_1645	Z6_MH_2222	G9	106	0.015	Circular	1.00	-	4.6	6.3	7.0	7.6
Z6_PIPE_851	Z6_IL_1528	Z6_IL_1302	G9	146	0.024	Circular	1.00	-	0.0	0.0	0.0	0.0
Z6_PIPE_852	Z6_IL_1529	Z6_MH_1817	G9	166	0.024	Circular	1.00	-	0.8	1.1	1.6	2.3
Z6_PIPE_853	Z6_MH_1817	Z6_MH_1816	G9	91	0.024	Circular	1.00	-	0.8	1.1	1.6	2.3
Z6_PIPE_854	Z6_MH_1816	Z6_IL_1100	G9	36	0.010	Circular	1.00	-	0.8	1.1	1.6	2.3
Z6_PIPE_855	Z6_IL_1101	Z6_IL_1301	G9	22	0.010	Circular	1.00	-	0.0	0.0	0.0	0.0
Z6_PIPE_856	Z6_IL_1100	Z6_IL_1301	G9	31	0.010	Circular	1.50	-	3.1	4.3	6.0	8.6
Z6_PIPE_857	Z6_IL_1303	Z6_IL_1304	G9	61	0.010	Circular	1.50	-	3.8	5.2	7.3	10.4
Z6_PIPE_858	Z6_IL_1301	Z6_IL_1303	G9	75	0.015	Circular	1.50	-	3.1	4.3	6.0	8.6
Z6_PIPE_865	Z6_IL_1141	Z6_MH_1678	H9	52	0.015	Circular	1.50	-	0.4	0.5	0.7	1.0
Z6_PIPE_868	Z6_MH_1674	Z6_OF_1930	H9	418	0.015	Circular	2.50	-	19.0	27.1	38.7	56.0
Z6_PIPE_869	Z6_IL_1144	Z6_MH_1683	G9	33	0.015	Circular	2.00	-	3.8	4.7	6.6	9.4
Z6_PIPE_870	Z6_MH_1683	Z6_MH_1682	G9	34	0.015	Circular	2.00	-	5.2	7.2	10.0	13.3
Z6_PIPE_871	Z6_MH_1683	Z6_MH_1679	G9	60	0.015	Circular	2.00	-	8.7	11.9	16.5	22.6
Z6_PIPE_872	Z6_MH_1812	Z6_IL_1144	G9	11	0.015	Circular	2.00	-	3.8	4.7	6.6	9.4
Z6_PIPE_873	Z6_IL_1152	Z6_MH_1682	G9	7	0.015	Circular	1.00	-	0.7	0.9	1.3	1.9
Z6_PIPE_874	Z6_IL_1151	Z6_MH_1682	G9	70	0.010	Circular	1.00	-	4.6	6.3	8.7	11.4
Z6_PIPE_877	Z6_IL_1502	Z6_IL_1256	J10	117	0.015	Circular	1.75	-	8.0	10.6	14.0	17.3
Z6_PIPE_878	Z6_IL_875	Z6_IL_876	H10	40	0.015	Circular	1.25	-	5.6	8.7	8.7	11.9
Z6_PIPE_879	Z6_IL_876	Z6_MH_2234	H10	167	0.015	Circular	1.25	-	10.4	12.3	12.8	13.8
Z6_PIPE_881	Z6_IL_1255	Z6_IL_1252	J10	56	0.015	Circular	1.00	-	0.2	0.3	0.5	0.8
Z6_PIPE_882	Z6_IL_1254	Z6_OF_2030	J10	36	0.015	Circular	1.00	-	0.0	0.0	0.0	0.0
Z6_PIPE_883	Z6_IL_2255	Z6_IL_988	L11	27	0.015	Circular	1.50	-	15.0	20.4	23.9	28.6
Z6_PIPE_884	Z6_IL_977	Z6_IL_988	L11	353	0.010	Circular	2.00	-	0.7	1.1	1.7	2.7
Z6_PIPE_887	Z6_IL_892	Z6_OF_1993	J9	53	0.015	Circular	1.00	-	1.6	2.2	3.2	4.7
Z6_PIPE_888	Z6_IL_748	Z6_OF_1932	J9	232	0.010	Circular	1.00	-	0.8	1.1	1.6	2.3
Z6_PIPE_894	Z6_IL_1339	Z6_MH_1750	O14	13	0.015	Circular	1.25	-	1.1	1.7	3.8	7.7
Z6_PIPE_895	Z6_MH_1750	Z6_IL_1338	O14	15	0.015	Circular	1.50	-	1.1	1.7	3.8	7.7
Z6_PIPE_908	Z6_IL_1234	Z6_IL_1235	O14	35	0.015	Circular	1.00	-	0.6	1.1	1.8	3.7
Z6_PIPE_909	Z6_IL_1384	Z6_MH_1782	P14	100	0.015	Circular	1.25	-	0.0	0.0	0.0	0.0
Z6_PIPE_910	Z6_IL_2139	Z6_IL_1052	N13	140	0.015	Circular	1.50	-	2.9	5.1	8.5	14.1
Z6_PIPE_912	Z6_IL_432	Z6_SGIL_2098	K12	20	0.015	Circular	1.00	-	1.1	2.0	3.1	4.7
Z6_PIPE_913	Z6_IL_219	Z6_SGIL_2098	K12	12	0.015	Circular	1.00	-	0.7	0.9	1.1	1.5
Z6_PIPE_914	Z6_MH_1599	Z6_MH_1597	N13	79	0.015	Circular	1.00	-	1.1	1.6	2.4	3.6
Z6_PIPE_919	Z6_IL_703	Z6_MH_1606	N14	126	0.015	Circular	1.00	-	0.5	0.6	0.9	1.3
Z6_PIPE_920	Z6_MH_1607	Z6_IL_969	K12	257	0.015	Circular	1.50	-	3.1	4.0	5.2	6.8
Z6_PIPE_922	Z6_IL_710	Z6_OF_1948	O13	63	0.015	Circular	1.50	-	2.7	5.8	10.5	15.2
Z6_PIPE_923	Z6_IL_711	Z6_MH_1609	N14	184	0.015	Circular	1.25	-	0.9	1.2	1.7	2.4
Z6_PIPE_924	Z6_MH_1606	Z6_IL_711	N14	139	0.015	Circular	1.25	-	0.5	0.6	0.9	1.3

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## Zone 6 Existing Pipes

Link ID*	From Node	To Node	County Grid #	Length (ft)	Manning's N	Shape	Max Depth (ft)	Bottom Width (ft)	Max Q (cfs)			
									5Yr	10Yr	25Yr	100Yr
Z6_PIPE_925	Z6_IL_712	Z6_IL_713	M13	28	0.010	Circular	1.00	-	0.0	0.0	0.0	0.0
Z6_PIPE_926	Z6_IL_713	Z6_MH_1610	M13	179	0.015	Circular	1.00	-	1.4	2.1	4.1	7.6
Z6_PIPE_928	Z6_IL_676	Z6_OF_1914	O13	116	0.024	Circular	1.00	-	1.2	1.6	2.2	3.1
Z6_PIPE_929	Z6_IL_606	Z6_MH_1597	N13	54	0.015	Circular	1.00	-	0.0	0.0	0.0	0.0
Z6_PIPE_930	Z6_IL_607	Z6_MH_1597	N13	20	0.015	Circular	1.00	-	0.3	0.5	0.9	1.5
Z6_PIPE_931	Z6_MH_1597	Z6_MH_1577	N13	205	0.015	Circular	1.00	-	1.4	2.1	3.2	5.0
Z6_PIPE_932	Z6_IL_608	Z6_MH_1577	N13	38	0.015	Circular	1.00	-	0.9	1.8	3.1	5.4
Z6_PIPE_936	Z6_IL_603	Z6_IL_602	O13	229	0.015	Circular	1.00	-	0.3	0.5	0.8	1.2
Z6_PIPE_937	Z6_IL_602	Z6_SGIL_2106	O13	70	0.015	Circular	1.00	-	0.5	0.8	1.2	1.9
Z6_PIPE_938	Z6_SGIL_2106	Z6_OF_1951	O13	65	0.024	Circular	1.00	-	0.5	0.8	1.2	1.9
Z6_PIPE_939	Z6_IL_685	Z6_OF_1947	O14	74	0.015	Circular	1.00	-	0.5	0.7	0.9	1.3
Z6_PIPE_940	Z6_MH_1595	Z6_MH_1726	O14	477	0.015	Circular	1.75	-	1.5	3.2	5.8	9.8
Z6_PIPE_941	Z6_MH_1726	Z6_MH_1593	O14	5	0.015	Circular	2.00	-	4.0	7.4	12.3	19.9
Z6_PIPE_942	Z6_MH_1593	Z6_OF_1912	O14	120	0.015	Circular	2.00	-	5.1	10.1	18.9	32.5
Z6_PIPE_943	Z6_IL_668	Z6_OF_1912	O14	108	0.015	Circular	2.00	-	3.8	5.4	7.5	10.8
Z6_PIPE_944	Z6_MH_1725	Z6_MH_1594	O14	255	0.010	Circular	2.00	-	1.7	2.5	5.7	11.3
Z6_PIPE_945	Z6_MH_1594	Z6_MH_1593	O14	236	0.015	Circular	2.00	-	1.7	2.5	5.7	11.3
Z6_PIPE_946	Z6_MH_1592	Z6_MH_1726	O14	130	0.015	Circular	2.00	-	2.5	4.2	6.6	10.3
Z6_PIPE_948	Z6_IL_667	Z6_MH_1592	O14	95	0.015	Circular	1.00	-	0.8	1.5	2.4	3.7
Z6_PIPE_949	Z6_IL_755	Z6_MH_1595	O14	398	0.015	Circular	1.25	-	0.4	0.8	1.6	2.8
Z6_PIPE_950	Z6_IL_769	Z6_IL_768	O14	67	0.015	Circular	1.50	-	0.6	0.9	2.1	3.9
Z6_PIPE_951	Z6_IL_768	Z6_MH_1595	O14	54	0.015	Circular	1.75	-	0.8	1.5	2.9	5.2
Z6_PIPE_952	Z6_IL_670	Z6_MH_1592	O14	40	0.015	Circular	1.25	-	1.8	2.9	4.4	6.7
Z6_PIPE_953	Z6_IL_671	Z6_IL_670	O14	414	0.015	Circular	1.25	-	1.8	2.9	4.4	6.7
Z6_PIPE_954	Z6_IL_292	Z6_MH_1727	O14	7	0.015	Circular	1.25	-	1.8	2.9	4.4	6.7
Z6_PIPE_955	Z6_SGIL_2092	Z6_IL_1270	O14	23	0.024	Circular	1.25	-	1.0	1.5	2.2	3.2
Z6_PIPE_957	Z6_IL_1270	Z6_IL_1271	O14	8	0.024	Circular	1.50	-	1.0	1.5	2.2	3.2
Z6_PIPE_958	Z6_SGIL_2091	Z6_MH_1543	P14	20	0.015	Circular	1.25	-	5.0	7.3	10.3	11.9
Z6_PIPE_959	Z6_MH_1543	Z6_IL_248	P14	26	0.015	Circular	1.25	-	5.0	7.3	10.4	12.7
Z6_PIPE_96	Z6_IL_232	Z6_OF_1990	H9	39	0.015	Circular	1.00	-	0.5	0.7	0.9	1.3
Z6_PIPE_960	Z6_IL_248	Z6_MH_1616	P14	60	0.015	Circular	1.50	-	5.0	7.3	10.4	12.7
Z6_PIPE_961	Z6_IL_249	Z6_MH_1544	P14	31	0.010	Circular	1.00	-	0.4	0.7	1.4	8.1
Z6_PIPE_962	Z6_MH_1544	Z6_SGIL_2091	P14	183	0.015	Circular	1.50	-	5.0	7.3	10.3	11.9
Z6_PIPE_963	Z6_IL_250	Z6_MH_1544	P14	11	0.010	Circular	1.50	-	4.9	6.9	9.5	18.9
Z6_PIPE_964	Z6_MH_1616	Z6_MH_1615	P14	266	0.015	Circular	1.50	-	5.0	7.3	10.4	12.7
Z6_PIPE_965	Z6_MH_1615	Z6_MH_1614	P14	499	0.015	Circular	1.50	-	5.0	7.3	10.7	13.1
Z6_PIPE_966	Z6_MH_1614	Z6_MH_1613	P14	455	0.015	Circular	1.75	-	5.0	7.4	11.1	14.1
Z6_PIPE_967	Z6_IL_718	Z6_OF_1913	O14	170	0.024	Circular	1.00	-	1.4	1.8	2.4	3.4
Z6_PIPE_968	Z6_IL_721	Z6_IL_579	O14	61	0.015	Circular	1.00	-	2.2	3.1	4.3	6.0
Z6_PIPE_969	Z6_IL_578	Z6_MH_1573	O14	108	0.015	Circular	1.00	-	0.6	0.8	1.1	1.5
Z6_PIPE_97	Z6_IL_231	Z6_IL_232	H9	144	0.015	Circular	1.00	-	0.5	0.7	0.9	1.3
Z6_PIPE_970	Z6_IL_579	Z6_MH_1573	O14	198	0.015	Circular	1.00	-	2.2	3.1	4.3	6.0
Z6_PIPE_971	Z6_MH_1551	Z6_MH_1693	L10	195	0.015	Circular	1.00	-	2.6	2.6	3.0	3.5
Z6_PIPE_972	Z6_IL_1188	Z6_MH_1728	L10	21	0.024	Circular	1.00	-	1.3	0.9	1.2	0.8
Z6_PIPE_973	Z6_MH_1693	Z6_MH_1728	L10	64	0.015	Circular	1.00	-	3.6	3.2	3.1	3.6
Z6_PIPE_974	Z6_MH_1728	Z6_MH_1729	L10	109	0.015	Circular	1.00	-	4.5	4.6	5.0	5.3
Z6_PIPE_976	Z6_MH_1729	Z6_SGIL_2121	L10	242	0.015	Circular	1.00	-	4.5	4.6	4.7	4.7
Z6_PIPE_977	Z6_IL_1246	Z6_IL_1003	J13	50	0.010	Circular	2.00	-	3.1	6.5	10.8	17.0
Z6_PIPE_978	Z6_IL_1003	Z6_IL_1002	J13	32	0.010	Circular	2.00	-	3.7	7.3	11.9	18.4
Z6_PIPE_979	Z6_IL_1002	Z6_OF_1900	J13	78	0.010	Circular	2.00	-	3.7	7.3	11.9	18.4
Z6_PIPE_98	Z6_IL_1053	Z6_IL_1054	N13	100	0.015	Circular	2.00	-	4.9	8.2	16.8	31.6
Z6_PIPE_980	Z6_IL_1248	Z6_MH_1718	K12	20	0.024	Circular	1.25	-	0.0	0.0	0.0	0.0
Z6_PIPE_981	Z6_MH_1718	Z6_MH_1730	K12	157	0.015	Circular	2.00	-	3.9	8.1	14.6	25.2
Z6_PIPE_982	Z6_IL_1001	Z6_MH_1718	K12	173	0.010	Circular	1.50	-	4.0	8.1	14.6	25.3
Z6_PIPE_983	Z6_IL_1247	Z6_OF_1901	K12	20	0.024	Circular	1.00	-	0.4	0.6	0.9	1.3
Z6_PIPE_984	Z6_IL_1405	Z6_OF_1918	K12	165	0.024	Circular	1.50	-	8.1	8.5	8.9	9.6
Z6_PIPE_986	Z6_MH_1732	Z6_MH_1801	K12	97	0.015	Circular	3.50	-	37.9	49.9	61.8	75.1
Z6_PIPE_987	Z6_IL_1273	Z6_OF_5558	K12	13	0.024	Circular	1.50	-	0.4	0.6	0.9	1.3
Z6_PIPE_989	Z6_MH_1663	Z6_IL_1105	H10	2	0.015	Circular	1.50	-	0.0	0.0	0.0	0.0
Z6_PIPE_99	Z6_IL_1052	Z6_IL_1053	N13	72	0.015	Circular	1.75	-	3.0	5.8	10.9	19.6
Z6_PIPE_990	Z6_IL_647	Z6_MH_1589	H10	5	0.015	Circular	2.00	-	9.5	13.1	17.9	25.3
Z6_PIPE_991	Z6_IL_817	Z6_OF_1969	K12	70	0.010	Circular	1.25	-	2.0	3.6	6.0	10.0
Z6_PIPE_992	Z6_IL_1378	Z6_IL_1194	K12	143	0.015	Circular	2.00	-	3.8	7.6	13.1	16.7
Z6_PIPE_993	Z6_IL_1382	Z6_MH_1778	K12	40	0.015	Circular	1.50	-	1.1	1.5	2.1	3.0
Z6_PIPE_994	Z6_MH_1778	Z6_IL_1378	K12	155	0.015	Circular	2.00	-	1.1	1.5	2.1	3.0
Z6_PIPE_995	Z6_IL_1404	Z6_IL_1382	K12	82	0.015	Circular	1.50	-	1.1	1.5	2.1	3.0
Z6_PIPE_996	Z6_IL_2268	Z6_IL_1378	K12	9	0.015	Circular	2.00	-	3.0	6.1	10.9	13.9
Z6_PIPE_997	Z6_IL_1403	Z6_OF_1976	K12	39	0.015	Circular	2.00	-	3.0	6.1	10.9	13.9
Z6_PIPE_998	Z6_IL_1419	Z6_IL_1403	K12	82	0.015	Circular	1.50	-	3.0	6.1	10.9	13.9