

HYDRAULIC CALCULATION SUMMARY

From Node To Node		Flow (GPM) Velocity		Diameter (IN) C Factor Fric Loss (PSI)		Length (FT) Fit Codes Equiv. Fit (FT) Total Length (FT)		Start PSI (PSI) Total Loss (PSI) Elev Loss (PSI) EPress (PSI)	
F Node T Node	1 2	Flow Veloc	709.7000 4.1200	Diam. C Fac F Los	8.3900 140 0.0029	Lth Fit Equiv Total	30.0000 TE 107.1400	SPress Loss Elev EPress	154.3220 0.3107 -1.3000 155.3110
F Node T Node	2 3	Flow Veloc	709.7000 4.4500	Diam. C Fac F Los	8.0710 120 0.0047	Lth Fit Equiv Total	1.0000 500.0000 501.0000	SPress Loss Elev EPress	155.3110 2.3345 152.9770
F Node T Node	3 4	Flow Veloc	709.7000 4.1200	Diam. C Fac F Los	8.3900 140 0.0029	Lth Fit Equiv Total	260.0000 AAE 309.8200	SPress Loss Elev EPress	152.9770 0.8985 152.0780
F Node T Node	4 5	Flow Veloc	659.7000 7.3300	Diam. C Fac F Los	6.0650 120 0.0164	Lth Fit Equiv Total	8.0000 E 17.0000	SPress Loss Elev EPress	152.0780 0.2782 1.7330 150.0670
F Node T Node	5 6	Flow Veloc	659.7000 16.6200	Diam. C Fac F Los	4.0260 120 0.1204	Lth Fit Equiv Total	2.0000 T 22.0000	SPress Loss Elev EPress	150.0670 2.6486 147.4180
F Node T Node	6 200	Flow Veloc	659.7000 16.6200	Diam. C Fac F Los	4.0260 120 0.1204	Lth Fit Equiv Total	2.0000 T 22.0000	SPress Loss Elev EPress	147.4180 2.6486 3.9000 140.8690
F Node T Node	200 201	Flow Veloc	659.7000 16.6200	Diam. C Fac F Los	4.0260 120 0.1204	Lth Fit Equiv Total	1.0000 TG 23.0000	SPress Loss Elev EPress	140.8690 2.7690 138.1000
F Node T Node	201 202	Flow Veloc	659.7000 16.6200	Diam. C Fac F Los	4.0260 100 0.1687	Lth Fit Equiv Total	1.0000 50.0000 36.6700	SPress Loss Elev EPress	138.1000 6.1883 10.8330 121.0790
F Node T Node	202 203	Flow Veloc	659.7000 14.8500	Diam. C Fac F Los	4.2600 100 0.1282	Lth Fit Equiv Total	5.0000 5.0000	SPress Loss Elev EPress	121.0790 0.6408 120.4380
F Node T Node	203 204	Flow Veloc	659.7000 14.8500	Diam. C Fac F Los	4.2600 100 0.1282	Lth Fit Equiv Total	7.0000 E 13.3900	SPress Loss Elev EPress	120.4380 1.7160 6.5000 112.2220

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F Node 204 T Node 700	Flow 659.7000 Veloc 14.8500	Diam. 4.2600 C Fac 100 F Los 0.1282	Lth 12.0000 Fit E Equiv Total 18.3900	SPress 112.2220 Loss 2.3568 Elev EPress 109.8650
F Node 700 T Node 701	Flow 659.7000 Veloc 14.8500	Diam. 4.2600 C Fac 100 F Los 0.1282	Lth 10.0000 Fit E Equiv Total 16.3900	SPress 109.8650 Loss 2.1004 Elev EPress 107.7650
F Node 701 T Node 702	Flow 659.7000 Veloc 14.8500	Diam. 4.2600 C Fac 100 F Los 0.1282	Lth 10.0000 Fit Equiv Total 10.0000	SPress 107.7650 Loss 1.2816 Elev EPress 106.4830
F Node 702 T Node 703	Flow 659.7000 Veloc 14.8500	Diam. 4.2600 C Fac 100 F Los 0.1282	Lth 12.0000 Fit Equiv Total 12.0000	SPress 106.4830 Loss 1.5379 Elev EPress 104.9450
F Node 703 T Node 704	Flow 659.7000 Veloc 14.8500	Diam. 4.2600 C Fac 100 F Los 0.1282	Lth 30.0000 Fit EE Equiv Total 42.7800	SPress 104.9450 Loss 5.4825 Elev EPress 99.4630
F Node 704 T Node 705	Flow 659.7000 Veloc 14.8500	Diam. 4.2600 C Fac 100 F Los 0.1282	Lth 4.0000 Fit Equiv Total 4.0000	SPress 99.4630 Loss 0.5126 Elev EPress 98.9500
F Node 705 T Node 706	Flow 659.7000 Veloc 14.8500	Diam. 4.2600 C Fac 100 F Los 0.1282	Lth 108.0000 Fit Equiv Total 108.0000	SPress 98.9500 Loss 13.8412 Elev EPress 85.1090
F Node 706 T Node 707	Flow 319.4000 Veloc 12.2800	Diam. 3.2600 C Fac 100 F Los 0.1231	Lth 93.0000 Fit TTE Equiv Total 122.7200	SPress 85.1090 Loss 15.1073 Elev EPress 70.0020
F Node 706 T Node 708	Flow 340.3000 Veloc 13.0800	Diam. 3.2600 C Fac 100 F Los 0.1384	Lth 99.0000 Fit TTE Equiv Total 128.7200	SPress 85.1090 Loss 17.8155 Elev EPress 67.2940
F Node 707 T Node 708	Flow 319.4000 Veloc 12.2800	Diam. 3.2600 C Fac 100 F Los 0.1231	Lth 22.0000 Fit Equiv Total 22.0000	SPress 70.0020 Loss 2.7082 Elev EPress 67.2940

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F Node 708 T Node 709	Flow 659.7000 Veloc 14.8500	Diam. 4.2600 C Fac 100 F Los 0.1282	Lth 140.0000 Fit T Equiv Total 155.0300	SPress 67.2940 Loss 19.8690 Elev EPress 47.4250
F Node 709 T Node 710	Flow 88.3000 Veloc 1.9900	Diam. 4.2600 C Fac 100 F Los 0.0031	Lth 8.0000 Fit Equiv Total 8.0000	SPress 47.4250 Loss 0.0247 Elev EPress 47.4000
F Node 709 T Node 720	Flow 571.4000 Veloc 21.9600	Diam. 3.2600 C Fac 100 F Los 0.3615	Lth 6.0000 Fit T Equiv Total 18.4700	SPress 47.4250 Loss 6.6745 Elev EPress 40.7500
F Node 710 T Node 723	Flow 88.3000 Veloc 3.3900	Diam. 3.2600 C Fac 100 F Los 0.0114	Lth 9.0000 Fit T Equiv Total 21.4700	SPress 47.4000 Loss 0.2441 Elev EPress 47.1560
F Node 720 T Node 721	Flow 400.0000 Veloc 15.3800	Diam. 3.2600 C Fac 100 F Los 0.1868	Lth 13.0000 Fit Equiv Total 13.0000	SPress 40.7500 Loss 2.4279 Elev EPress 38.3220
F Node 720 T Node 730	Flow 171.4000 Veloc 27.0000	Diam. 1.6100 C Fac 100 F Los 1.2066	Lth 9.0000 Fit T Equiv Total 14.7100	SPress 40.7500 Loss 17.7463 Elev EPress 23.0040
F Node 721 T Node 722	Flow 232.3000 Veloc 8.9300	Diam. 3.2600 C Fac 100 F Los 0.0682	Lth 12.0000 Fit Equiv Total 12.0000	SPress 38.3220 Loss 0.8189 Elev EPress 37.5030
F Node 721 T Node 731	Flow 167.7000 Veloc 26.4300	Diam. 1.6100 C Fac 100 F Los 1.1599	Lth 4.0000 Fit T Equiv Total 9.7100	SPress 38.3220 Loss 11.2594 Elev EPress 27.0630
F Node 722 T Node 817	Flow 142.3000 Veloc 22.4200	Diam. 1.6100 C Fac 100 F Los 0.8552	Lth 4.0000 Fit T Equiv Total 9.7100	SPress 37.5030 Loss 8.3022 Elev EPress 29.2010
F Node 722 T Node 824	Flow 90.0000 Veloc 19.3000	Diam. 1.3800 C Fac 100 F Los 0.7753	Lth 4.0000 Fit T Equiv Total 8.2800	SPress 37.5030 Loss 6.4198 Elev EPress 31.0840

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F Node 723 T Node 733	Flow 88.3000 Veloc 13.9100	Diam. 1.6100 C Fac 100 F Los 0.3532	Lth 4.0000 Fit T Equiv Total 9.7100	SPress 47.1560 Loss 3.4286 Elev EPress 43.7270
F Node 730 T Node 801	Flow 81.2000 Veloc 17.4100	Diam. 1.3800 C Fac 100 F Los 0.6406	Lth 4.0000 Fit T Equiv Total 8.2800	SPress 23.0040 Loss 5.3050 Elev EPress 17.6990
F Node 730 T Node 805	Flow 90.2000 Veloc 19.3400	Diam. 1.3800 C Fac 100 F Los 0.7786	Lth 4.0000 Fit T Equiv Total 8.2800	SPress 23.0040 Loss 6.4476 Elev EPress 16.5560
F Node 731 T Node 810	Flow 91.4000 Veloc 19.5900	Diam. 1.3800 C Fac 100 F Los 0.7974	Lth 4.0000 Fit T Equiv Total 8.2800	SPress 27.0630 Loss 6.6026 Elev EPress 20.4600
F Node 731 T Node 814	Flow 76.4000 Veloc 16.3900	Diam. 1.3800 C Fac 100 F Los 0.5725	Lth 4.0000 Fit T Equiv Total 8.2800	SPress 27.0630 Loss 4.7408 Elev EPress 22.3220
F Node 733 T Node 750	Flow 88.3000 Veloc 18.9300	Diam. 1.3800 C Fac 100 F Los 0.7482	Lth 4.0000 Fit T Equiv Total 8.2800	SPress 43.7270 Loss 6.1958 Elev EPress 37.5310
F Node 740 T Node 821	Flow 17.5000 Veloc 6.4900	Diam. 1.0490 C Fac 100 F Los 0.1417	Lth 1.0000 Fit Equiv Total 1.0000	SPress 9.8610 Loss 0.1417 Elev EPress 9.7190
F Node 740 T Node 822	Flow 30.3000 Veloc 6.4900	Diam. 1.3800 C Fac 100 F Los 0.1030	Lth 10.0000 Fit T Equiv Total 14.2800	SPress 9.8610 Loss 1.4704 Elev EPress 8.3910
F Node 750 T Node 827	Flow 88.3000 Veloc 18.9300	Diam. 1.3800 C Fac 100 F Los 0.7482	Lth 8.0000 Fit Equiv Total 8.0000	SPress 37.5310 Loss 5.9858 Elev EPress 31.5460
F Node 801 T Node 802	Flow 59.1000 Veloc 12.6800	Diam. 1.3800 C Fac 100 F Los 0.3560	Lth 8.0000 Fit Equiv Total 8.0000	SPress 17.6990 Loss 2.8483 Elev EPress 14.8510

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F Node 802 T Node 803	Flow 38.8000 Veloc 8.3300	Diam. 1.3800 C Fac 100 F Los 0.1636	Lth 8.0000 Fit Equiv Total 8.0000	SPress 14.8510 Loss 1.3089 Elev EPress 13.5420
F Node 803 T Node 804	Flow 19.5000 Veloc 7.2300	Diam. 1.0490 C Fac 100 F Los 0.1731	Lth 7.0000 Fit E Equiv Total 8.4300	SPress 13.5420 Loss 1.4585 Elev EPress 12.0830
F Node 805 T Node 806	Flow 68.9000 Veloc 14.7700	Diam. 1.3800 C Fac 100 F Los 0.4723	Lth 8.0000 Fit Equiv Total 8.0000	SPress 16.5560 Loss 3.7785 Elev EPress 12.7780
F Node 806 T Node 807	Flow 50.1000 Veloc 10.7400	Diam. 1.3800 C Fac 100 F Los 0.2618	Lth 8.0000 Fit Equiv Total 8.0000	SPress 12.7780 Loss 2.0940 Elev EPress 10.6840
F Node 807 T Node 808	Flow 32.9000 Veloc 7.0500	Diam. 1.3800 C Fac 100 F Los 0.1200	Lth 8.0000 Fit Equiv Total 8.0000	SPress 10.6840 Loss 0.9603 Elev EPress 9.7230
F Node 808 T Node 809	Flow 16.4000 Veloc 6.1100	Diam. 1.0490 C Fac 100 F Los 0.1267	Lth 7.0000 Fit E Equiv Total 8.4300	SPress 9.7230 Loss 1.0673 Elev EPress 8.6560
F Node 810 T Node 811	Flow 66.1000 Veloc 14.1800	Diam. 1.3800 C Fac 100 F Los 0.4381	Lth 8.0000 Fit Equiv Total 8.0000	SPress 20.4600 Loss 3.5046 Elev EPress 16.9560
F Node 811 T Node 812	Flow 43.1000 Veloc 9.2400	Diam. 1.3800 C Fac 100 F Los 0.1981	Lth 8.0000 Fit Equiv Total 8.0000	SPress 16.9560 Loss 1.5848 Elev EPress 15.3710
F Node 812 T Node 813	Flow 21.1000 Veloc 7.8300	Diam. 1.0490 C Fac 100 F Los 0.2010	Lth 6.0000 Fit Equiv Total 6.0000	SPress 15.3710 Loss 1.2059 Elev EPress 14.1650
F Node 814 T Node 815	Flow 50.0000 Veloc 10.7300	Diam. 1.3800 C Fac 100 F Los 0.2613	Lth 8.0000 Fit Equiv Total 8.0000	SPress 22.3220 Loss 2.0905 Elev EPress 20.2320

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F Node 815 T Node 816	Flow 24.8000 Veloc 5.3300	Diam. 1.3800 C Fac 100 F Los 0.0715	Lth 8.0000 Fit Equiv Total 8.0000	SPress 20.2320 Loss 0.5719 Elev EPress 19.6600
F Node 817 T Node 818	Flow 112.3000 Veloc 24.0900	Diam. 1.3800 C Fac 100 F Los 1.1692	Lth 8.0000 Fit Equiv Total 8.0000	SPress 29.2010 Loss 9.3540 Elev EPress 19.8470
F Node 818 T Node 819	Flow 87.5000 Veloc 18.7600	Diam. 1.3800 C Fac 100 F Los 0.7359	Lth 8.0000 Fit Equiv Total 8.0000	SPress 19.8470 Loss 5.8870 Elev EPress 13.9600
F Node 819 T Node 820	Flow 66.6000 Veloc 14.2800	Diam. 1.3800 C Fac 100 F Los 0.4436	Lth 6.0000 Fit Equiv Total 6.0000	SPress 13.9600 Loss 2.6618 Elev EPress 11.2980
F Node 820 T Node 740	Flow 47.7000 Veloc 10.2400	Diam. 1.3800 C Fac 100 F Los 0.2396	Lth 6.0000 Fit Equiv Total 6.0000	SPress 11.2980 Loss 1.4374 Elev EPress 9.8610
F Node 822 T Node 823	Flow 15.0000 Veloc 5.5600	Diam. 1.0490 C Fac 100 F Los 0.1064	Lth 10.0000 Fit Equiv Total 11.4300	SPress 8.3910 E Loss 1.2160 Elev EPress 7.1750
F Node 824 T Node 825	Flow 59.0000 Veloc 12.6500	Diam. 1.3800 C Fac 100 F Los 0.3545	Lth 8.0000 Fit Equiv Total 8.0000	SPress 31.0840 Loss 2.8364 Elev EPress 28.2470
F Node 825 T Node 826	Flow 29.3000 Veloc 6.2800	Diam. 1.3800 C Fac 100 F Los 0.0971	Lth 8.0000 Fit Equiv Total 8.0000	SPress 28.2470 Loss 0.7765 Elev EPress 27.4710
F Node 827 T Node 828	Flow 57.0000 Veloc 12.2300	Diam. 1.3800 C Fac 100 F Los 0.3328	Lth 8.0000 Fit Equiv Total 8.0000	SPress 31.5460 Loss 2.6627 Elev EPress 28.8830
F Node 828 T Node 829	Flow 27.0000 Veloc 10.0200	Diam. 1.0490 C Fac 100 F Los 0.3168	Lth 17.0000 Fit Equiv Total 18.4300	SPress 28.8830 E Loss 5.8380 Elev EPress 23.0450