

Label	Nodo de Inicio	Nodo Final	Velocidad (m/s)	Presión (m H2O)	Longitud (m)	Diametro (in)	Material	Caudal (L/s)
P-22	J-7	J-10	0.0123	16.9000	59.0000	2.0000	PVC	0.0250
P-16	J-7	J-8	0.0126	16.9000	38.0000	2.0000	PVC	0.0260
P-21	J-8	J-13	0.0073	17.6000	58.0000	2.0000	PVC	0.0150
P-24	J-4	J-9	0.0223	20.1000	59.0000	2.0000	PVC	0.0450
P-14	J-4	J-7	0.0304	20.1000	25.0000	2.0000	PVC	0.0620
P-17	J-10	J-12	0.0156	24.8000	7.0000	2.0000	PVC	0.0320
P-27	J-12	J-13	0.0021	25.2000	32.0000	2.0000	PVC	0.0040
P-3	J-3	J-5	0.0517	25.3000	57.0000	2.0000	PVC	0.1050
P-13	J-3	J-4	0.0581	25.3000	33.0000	2.0000	PVC	0.1180
P-25	J-13	J-16	0.0035	25.6000	34.0000	2.0000	PVC	0.0070
P-5	J-6	J-9	0.0202	29.7000	30.0000	2.0000	PVC	0.0410
P-19	J-6	J-17	0.0239	29.7000	61.0000	2.0000	PVC	0.0480
P-4	J-5	J-6	0.0484	29.7000	1.0000	2.0000	PVC	0.0980
P-20	J-9	J-10	0.0070	30.6000	25.0000	2.0000	PVC	0.0140
P-6	J-9	J-11	0.0294	30.6000	22.0000	2.0000	PVC	0.0600
P-2	J-2	J-3	0.1146	30.9000	20.0000	2.0000	PVC	0.2320
P-1	J-1	J-2	0.1159	31.0000	11.0000	2.0000	PVC	0.2350
P-77	J-1	J-0	0.1167	31.0000	1.0000	2.0000	PVC	-0.2370
P-78	J-0	R-1	0.1167	31.1000	3.0000	2.0000	PVC	-0.2370
P-30	J-14	J-12	0.0092	31.7000	23.0000	2.0000	PVC	-0.0190
P-32	J-14	J-11	0.0053	31.7000	32.0000	2.0000	PVC	0.0110
P-18	J-25	J-28	0.0055	34.2000	26.0000	2.0000	PVC	0.0110
P-38	J-25	J-23	0.0094	34.2000	74.0000	2.0000	PVC	-0.0190
P-28	J-16	J-15	0.0010	34.7000	33.0000	2.0000	PVC	0.0020
P-31	J-15	J-14	0.0011	35.8000	10.0000	2.0000	PVC	-0.0020
P-34	J-30	J-28	0.0011	36.5000	36.0000	2.0000	PVC	-0.0020
P-7	J-11	J-18	0.0296	36.9000	27.0000	2.0000	PVC	0.0600
P-23	J-24	J-30	0.0085	38.9000	39.0000	2.0000	PVC	0.0170
P-37	J-26	J-24	0.0083	38.9000	29.0000	2.0000	PVC	-0.0170
P-35	J-29	J-27	0.0038	39.4000	12.0000	2.0000	PVC	-0.0080
P-15	J-23	J-24	0.0205	39.6000	27.0000	2.0000	PVC	0.0420
P-12	J-22	J-23	0.0341	40.0000	30.0000	2.0000	PVC	0.0690
P-11	J-21	J-22	0.0387	40.8000	21.0000	2.0000	PVC	0.0780
P-10	J-20	J-21	0.0399	40.9000	8.0000	2.0000	PVC	0.0810
P-33	J-31	J-29	0.0016	41.1000	24.0000	2.0000	PVC	-0.0030
P-29	J-31	J-30	0.0037	41.1000	17.0000	2.0000	PVC	-0.0080
P-9	J-19	J-20	0.0406	41.2000	11.0000	2.0000	PVC	0.0820
P-8	J-18	J-19	0.0429	41.9000	24.0000	2.0000	PVC	0.0870
P-36	J-27	J-26	0.0059	42.0000	12.0000	2.0000	PVC	-0.0120
P-26	J-17	J-18	0.0182	42.2000	34.0000	2.0000	PVC	0.0370

TUBERÍAS PARTE BAJA
MÍNIMA DEMANDA

Label	Nodo de Inicio	Nodo Final	Velocidad (m/s)	Longitud (m)	Diametro (in)	Material	Caudal (L/s)
P-22	J-7	J-10	0.1144	59.0000	2.0000	PVC	0.2320
P-16	J-7	J-8	0.1293	38.0000	2.0000	PVC	0.2620
P-21	J-8	J-13	0.0806	58.0000	2.0000	PVC	0.1630
P-24	J-4	J-9	0.2124	59.0000	2.0000	PVC	0.4310
P-14	J-4	J-7	0.2945	25.0000	2.0000	PVC	0.5970
P-17	J-10	J-12	0.1794	7.0000	2.0000	PVC	0.3640
P-27	J-12	J-13	0.0408	32.0000	2.0000	PVC	0.0830
P-25	J-13	J-16	0.0664	34.0000	2.0000	PVC	0.1350
P-3	J-3	J-5	0.4555	57.0000	2.0000	PVC	0.9230
P-13	J-3	J-4	0.5570	33.0000	2.0000	PVC	1.1290
P-5	J-6	J-9	0.1649	30.0000	2.0000	PVC	0.3340
P-19	J-6	J-17	0.2199	61.0000	2.0000	PVC	0.4460
P-4	J-5	J-6	0.4253	1.0000	2.0000	PVC	0.8620
P-20	J-9	J-10	0.0991	25.0000	2.0000	PVC	0.2010
P-6	J-9	J-11	0.2232	22.0000	2.0000	PVC	0.4520
P-30	J-14	J-12	0.0994	23.0000	2.0000	PVC	-0.2020
P-32	J-14	J-11	0.0974	32.0000	2.0000	PVC	0.1580
P-2	J-2	J-3	1.0574	20.0000	2.0000	PVC	2.1430
P-1	J-1	J-2	1.0695	11.0000	2.0000	PVC	2.1680
P-77	J-1	J-0	1.0765	1.0000	2.0000	PVC	-2.1820
P-78	J-0	R-1	1.0765	3.0000	2.0000	PVC	-2.1820
P-18	J-25	J-28	0.0659	26.0000	2.0000	PVC	0.1340
P-38	J-25	J-23	0.1024	74.0000	2.0000	PVC	-0.2070
P-28	J-16	J-15	0.0432	33.0000	2.0000	PVC	0.0880
P-31	J-15	J-14	0.0239	10.0000	2.0000	PVC	0.0490
P-34	J-30	J-28	0.0255	36.0000	2.0000	PVC	-0.0520
P-7	J-11	J-18	0.2735	27.0000	2.0000	PVC	0.5540
P-23	J-24	J-30	0.0678	39.0000	2.0000	PVC	0.1370
P-37	J-26	J-24	0.0721	29.0000	2.0000	PVC	-0.1460
P-35	J-29	J-27	0.0308	12.0000	2.0000	PVC	-0.0630
P-15	J-23	J-24	0.1735	27.0000	2.0000	PVC	0.3520
P-12	J-22	J-23	0.3145	30.0000	2.0000	PVC	0.6370
P-11	J-21	J-22	0.3567	21.0000	2.0000	PVC	0.7230
P-33	J-31	J-29	0.0099	24.0000	2.0000	PVC	-0.0200
P-29	J-31	J-30	0.0390	17.0000	2.0000	PVC	-0.0790
P-10	J-20	J-21	0.3679	8.0000	2.0000	PVC	0.7460
P-9	J-19	J-20	0.3741	11.0000	2.0000	PVC	0.7580
P-36	J-27	J-26	0.0500	12.0000	2.0000	PVC	-0.1010
P-8	J-18	J-19	0.3955	24.0000	2.0000	PVC	0.8020
P-26	J-17	J-18	0.1680	34.0000	2.0000	PVC	0.3410

TUBERÍAS PARTE BAJA
MÁXIMA DEMANDA

Label	Elevation (m)	Pressure (m H2O)	Demand (L/s)	X (m)	Y (m)
J-0	1 897.04	31.1000	0.0000	1 097 598.53	997 445.00
J-1	1 897.17	31.0000	0.0020	1 097 598.87	997 444.36
J-2	1 897.26	30.9000	0.0030	1 097 608.58	997 448.46
J-3	1 902.87	25.3000	0.0100	1 097 615.92	997 430.01
J-4	1 908.02	20.1000	0.0110	1 097 625.85	997 398.24
J-5	1 898.45	29.7000	0.0070	1 097 670.24	997 447.47
J-6	1 898.45	29.7000	0.0090	1 097 670.77	997 446.13
J-7	1 911.28	16.9000	0.0110	1 097 633.09	997 374.53
J-8	1 910.55	17.6000	0.0110	1 097 646.77	997 339.21
J-9	1 897.57	30.6000	0.0120	1 097 681.04	997 417.48
J-10	1 903.38	24.8000	0.0070	1 097 689.16	997 393.84
J-11	1 891.23	36.9000	0.0100	1 097 702.30	997 424.34
J-12	1 902.98	25.2000	0.0090	1 097 691.45	997 387.24
J-13	1 902.55	25.6000	0.0120	1 097 701.78	997 357.46
J-14	1 896.43	31.7000	0.0060	1 097 712.91	997 394.45
J-15	1 892.37	35.8000	0.0040	1 097 722.34	997 397.39
J-16	1 893.38	34.7000	0.0050	1 097 733.69	997 367.90
J-17	1 885.89	42.2000	0.0110	1 097 728.65	997 466.33
J-18	1 886.24	41.9000	0.0100	1 097 727.99	997 433.27
J-19	1 886.89	41.2000	0.0050	1 097 737.85	997 411.02
J-20	1 887.16	40.9000	0.0010	1 097 747.59	997 405.19
J-21	1 887.32	40.8000	0.0020	1 097 755.61	997 406.57
J-22	1 888.08	40.0000	0.0090	1 097 775.42	997 414.24
J-23	1 888.49	39.6000	0.0080	1 097 798.96	997 432.81
J-24	1 889.19	38.9000	0.0070	1 097 824.90	997 426.73
J-25	1 893.95	34.2000	0.0080	1 097 782.82	997 360.49
J-26	1 889.17	38.9000	0.0050	1 097 852.23	997 418.45
J-27	1 886.15	42.0000	0.0040	1 097 849.80	997 406.28
J-28	1 890.92	37.2000	0.0090	1 097 807.62	997 354.12
J-29	1 888.71	39.4000	0.0050	1 097 838.63	997 408.00
J-30	1 891.60	36.5000	0.0120	1 097 816.17	997 388.91
J-31	1 887.05	41.1000	0.0110	1 097 832.86	997 385.00

NODOS PARTE BAJA
MÍNIMA DEMANDA

Label	Elevation (m)	Pressure (m H2O)	Demand (L/s)	X (m)	Y (m)
J-0	1 897.04	31.0000	0.0000	1 097 598.53	997 445.00
J-1	1 897.17	30.9000	0.0140	1 097 598.87	997 444.36
J-2	1 897.26	30.4000	0.0250	1 097 608.58	997 448.46
J-3	1 902.87	24.0000	0.0910	1 097 615.92	997 430.01
J-4	1 908.02	18.5000	0.1010	1 097 625.85	997 398.24
J-5	1 898.45	28.0000	0.0610	1 097 670.24	997 447.47
J-6	1 898.45	28.0000	0.0820	1 097 670.77	997 446.13
J-7	1 911.28	15.2000	0.1030	1 097 633.09	997 374.53
J-8	1 910.55	15.9000	0.0990	1 097 646.77	997 339.21
J-9	1 897.57	28.9000	0.1120	1 097 681.04	997 417.48
J-10	1 903.38	23.0000	0.0690	1 097 689.16	997 393.84
J-11	1 891.23	35.1000	0.0950	1 097 702.30	997 424.34
J-12	1 902.98	23.4000	0.0790	1 097 691.45	997 387.24
J-13	1 902.55	23.9000	0.1110	1 097 701.78	997 357.46
J-14	1 896.43	30.0000	0.0530	1 097 712.91	997 394.45
J-15	1 892.37	34.0000	0.0390	1 097 722.34	997 397.39
J-16	1 893.38	33.0000	0.0470	1 097 733.69	997 367.90
J-17	1 885.89	40.4000	0.1050	1 097 728.65	997 466.33
J-18	1 886.24	40.0000	0.0930	1 097 727.99	997 433.27
J-19	1 886.89	39.3000	0.0430	1 097 737.85	997 411.02
J-20	1 887.16	38.9000	0.0130	1 097 747.59	997 405.19
J-21	1 887.32	38.7000	0.0230	1 097 755.61	997 406.57
J-22	1 888.08	37.9000	0.0860	1 097 775.42	997 414.24
J-23	1 888.49	37.3000	0.0780	1 097 798.96	997 432.81
J-24	1 889.19	36.6000	0.0680	1 097 824.90	997 426.73
J-25	1 893.95	31.9000	0.0740	1 097 782.82	997 360.49
J-26	1 889.17	36.6000	0.0450	1 097 852.23	997 418.45
J-27	1 886.15	39.6000	0.0390	1 097 849.80	997 406.28
J-28	1 890.92	34.9000	0.0820	1 097 807.62	997 354.12
J-29	1 888.71	37.1000	0.0420	1 097 838.63	997 408.00
J-30	1 891.60	34.2000	0.1100	1 097 816.17	997 388.91
J-31	1 887.05	38.7000	0.0990	1 097 832.86	997 385.00

NODOS PARTE BAJA
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