



CONSORZIO DI BONIFICA
TERRE D'APULIA

LAVORI DI RISTRUTTURAZIONE E POTENZIAMENTO DELL'ACQUEDOTTO RURALE DELLA MURGIA - SCHEMA SUD -



PROGETTO ESECUTIVO

Progettista:



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Codice	Elaborato		
A03	Tabulati di calcolo idraulico		
03	GENNAIO -2022	Emesso per PUA	SCALA
0	MAGGIO - 2019	Emesso per Progetto Definitivo	003 - ARM - TCID Xls
REV	DATA	NOTE	COD.ELABORATO

NODI

Network Table - Nodes at 24:00 Hrs

Node ID	Elevation m	Base Demand LPS	Head m	Pressure m
Junc n1	339.7	0.54	437.94	98.24
Junc n2	308.9	0.54	437.76	128.86
Junc n3	388.4	0.18	435.77	47.37
Junc n4	388.1	0.18	435.76	47.66
Junc n6	411	0.19	432.24	21.24
Junc n7	477.7	0.54	524.63	46.93
Junc n8	303.5	0.05	524.62	221.12
Junc n9	338.3	0.54	520.32	182.02
Junc n10	469.6	0.54	521.60	52.00
Junc n484	307.0274999999965	0.29	412.99	105.96
Junc n485	333	0.29	412.26	79.26
Junc n486	367	0.21	443.27	76.27
Junc n487	372.8246999999974	0.21	443.45	70.62
Junc n488	436	0.29	414.02	-21.98
Junc n489	452.4465999999956	0.29	453.50	1.05
Junc n490	386.0148000000045	0.21	444.17	58.15
Junc n491	433.9612999999953	0.21	458.47	24.51
Junc n492	409.9385000000038	0.21	443.91	33.97
Junc n493	412.1959999999963	0.21	443.45	31.25
Junc n494	402.0495999999984	0.21	443.84	41.79
Junc n495	438	0.21	443.85	5.85
Junc n496	404	0.21	443.75	39.75
Junc n497	365	0.21	442.84	77.84
Junc n498	367.3214000000007	0.21	442.81	75.49
Junc n499	373	0.21	442.67	69.67
Junc n500	303	0.29	412.76	109.76
Junc n501	401	0.21	440.88	39.88
Junc n502	395	0.21	440.47	45.47
Junc n503	416	0.21	440.87	24.87
Junc n504	296	0.01	412.75	116.75

Node ID	Elevation m	Base Demand LPS	Head m	Pressure m
Junc n505	397	0.21	443.37	46.37
Junc n506	396	0.21	443.37	47.37
Junc n507	390	0.21	443.36	53.36
Junc n508	392	0.21	443.28	51.28
Junc n509	426	0.21	443.35	17.35
Junc n510	403	0.21	443.33	40.33
Junc n511	399	0.21	443.30	44.30
Junc n512	404	0.21	439.66	35.66
Junc n513	407	0.21	435.24	28.24
Junc n514	408	0.21	434.18	26.18
Junc n515	289.6251999999949	0.01	412.75	123.12
Junc n516	283.5409000000073	0.01	412.75	129.21
Junc n517	415.5396999999939	0.21	433.90	18.36
Junc n518	422.9821999999985	0.21	433.94	10.96
Junc n519	371	0.21	434.40	63.40
Junc n520	347	0.21	434.18	87.18
Junc n521	380	0.21	434.07	54.07
Junc n522	366.2143000000069	0.18	434.50	68.28
Junc n523	402	0.21	439.95	37.95
Junc n524	415.2615999999979	0.21	436.24	20.98
Junc n525	278.2151000000013	0.01	412.75	134.53
Junc n526	397.1818000000057	0.21	435.76	38.58
Junc n527	392	0.21	435.61	43.61
Junc n528	410.5106999999988	0.21	435.48	24.97
Junc n529	387	0.21	435.56	48.56
Junc n530	435.7924999999958	0.18	443.35	7.56
Junc n531	372.9502000000066	0.19	421.37	48.42
Junc n532	351.8092999999935	0.19	421.23	69.42
Junc n533	364.1921000000002	0.19	420.66	56.47
Junc n534	352.6426000000065	0.19	419.41	66.76
Junc n535	378	0.21	442.67	64.67

Node ID	Elevation m	Base Demand LPS	Head m	Pressure m
Junc n536	383	0.21	442.65	59.65
Junc n537	388.9141999999992	0.29	445.18	56.27
Junc n538	347.6860000000015	0.29	445.10	97.42
Junc n539	334.6601999999984	0.29	444.23	109.57
Junc n540	423	0.21	443.86	20.86
Junc n541	432	0.21	443.87	11.87
Junc n542	379	0.21	442.63	63.63
Junc n543	383.2676999999967	0.21	442.65	59.38
Junc n544	348	0.19	378.24	30.24
Junc n545	350	0.19	378.01	28.01
Junc n546	368.9861999999994	0.19	384.15	15.17
Junc n547	328	0.18	384.16	56.16
Junc n548	271	0.19	382.91	111.91
Junc n549	273	0.19	382.87	109.87
Junc n550	356	0.19	383.78	27.78
Junc n551	333	0.19	383.79	50.79
Junc n552	396.2825000000012	0.11	463.00	66.72
Junc n553	334	0.11	462.33	128.33
Junc n554	466	0.29	463.98	-2.02
Junc n555	431	0.21	463.37	32.37
Junc n556	390.0562000000064	0.21	454.28	64.22
Junc n557	416	0.21	453.25	37.25
Junc n558	371	0.19	420.61	49.61
Junc n559	346.9588999999978	0.19	377.76	30.81
Junc n560	306	0.29	413.48	107.48
Junc n561	375.3356000000058	0.21	450.21	74.87
Junc n562	404	0.21	452.85	48.85
Junc n563	359	0.29	452.68	93.68
Junc n564	345.3298000000068	0.19	377.75	32.42
Junc n565	356.9035000000003	0.19	378.25	21.35
Junc n566	341.5236000000005	0.19	377.77	36.24

Node ID	Elevation m	Base Demand LPS	Head m	Pressure m
Junc n567	384	0.21	451.21	67.21
Junc n568	406	0.18	452.23	46.23
Junc n569	397	0.18	451.91	54.91
Junc n570	390.4612999999954	0.18	451.90	61.44
Junc n571	353.1138000000065	0.18	451.70	98.59
Junc n572	306	0.18	380.83	74.83
Junc n573	312.8552000000054	0.18	382.28	69.42
Junc n574	322	0.18	382.19	60.19
Junc n575	320.1665999999968	0.18	382.09	61.93
Junc n576	321	0.18	383.02	62.02
Junc n577	330	0.18	384.13	54.13
Junc n579	320.7035999999935	0.18	380.32	59.62
Junc n580	319	0.18	380.35	61.35
Junc n581	314	0.18	380.12	66.12
Junc n582	325.8056999999972	0.18	383.88	58.08
Junc n583	312	0.18	383.71	71.71
Junc n584	347.9125000000058	0.18	383.36	35.44
Junc n585	351	0.18	382.85	31.85
Junc n586	356	0.18	383.81	27.81
Junc n587	327.9701999999961	0.18	384.10	56.13
Junc n588	328.5507000000071	0.18	384.30	55.75
Junc n589	369	0.19	420.12	51.12
Junc n590	362.2219000000041	0.19	391.24	29.02
Junc n591	271.3616999999994	0.19	382.59	111.23
Junc n592	294	0.19	382.11	88.11
Junc n593	321	0.19	382.11	61.11
Junc n594	320	0.18	382.75	62.75
Junc n595	319.4358999999967	0.18	382.75	63.31
Junc n596	320.9290000000037	0.18	382.80	61.87
Junc n597	321.2706999999937	0.18	383.12	61.85
Junc n598	321	0.18	382.79	61.79

Node ID	Elevation m	Base Demand LPS	Head m	Pressure m
Junc n599	318	0.18	382.74	64.74
Junc n600	332	0.18	384.12	52.12
Junc n601	317.2225999999937	0.18	384.08	66.86
Junc n602	416	0.18	451.71	35.71
Junc n603	366.9465999999957	0.18	384.84	17.90
Junc n604	353.5917000000045	0.18	384.09	30.50
Junc n605	292	0.19	382.03	90.03
Junc n606	325	0.18	384.21	59.21
Junc n607	288.6442999999999	0.18	381.77	93.13
Junc n608	340	0.18	382.57	42.57
Junc n609	299.1068999999989	0.19	383.43	84.32
Junc n610	317.5347000000038	0.18	382.20	64.67
Junc n611	321	0.18	380.56	59.56
Junc n612	396	0.21	443.15	47.15
Junc n613	419	0.21	435.85	16.85
Junc n614	429.5988000000007	0.21	443.87	14.28
Junc n615	444	0.21	443.52	-0.48
Junc n616	375	0.19	381.34	6.34
Junc n617	355	0.21	443.29	88.29
Junc n618	403.5553999999974	0.21	442.61	39.05
Junc n619	399.4752000000008	0.21	442.54	43.07
Junc n620	357	0.21	443.19	86.19
Junc n621	350	0.19	379.30	29.30
Junc n622	353	0.19	378.82	25.82
Junc n623	410	0.19	424.90	14.90
Junc n624	396.0269386256275	0.19	426.74	30.71
Junc n625	376.4682000000003	0.21	421.18	44.72
Junc n626	388	0.21	421.23	33.23
Junc n627	383.86220000000032	0.21	442.65	58.79
Junc n628	338.98070000000001	0.29	444.08	105.10
Junc n629	304	0.29	412.71	108.71

Node ID	Elevation m	Base Demand LPS	Head m	Pressure m
Junc n630	298.6754999999975	0.29	412.52	113.84
Junc n631	418.1364999999932	0.21	441.65	23.52
Junc n632	454	0.29	455.83	1.83
Junc n633	404	0.21	440.25	36.25
Junc n634	352.7930000000051	0.18	384.04	31.25
Junc n635	340	0.18	382.61	42.61
Junc n636	410	0.21	443.73	33.73
Junc n637	411	0.21	441.19	30.19
Junc n638	390	0.18	435.63	45.63
Junc n639	372.8104000000021	0.19	421.81	49.00
Junc n640	327.3165000000008	0.29	412.42	85.11
Junc n641	317.5598000000027	0.29	412.47	94.91
Junc n642	336	0.29	412.11	76.11
Junc n643	321.6949000000022	0.29	411.97	90.28
Junc n644	396.6851000000024	0.29	413.74	17.06
Junc n645	379.5286999999953	0.29	412.75	33.22
Junc n646	282	0.01	412.75	130.75
Junc n647	291.0706999999966	0.01	412.75	121.67
Junc n648	363	0.19	379.42	16.42
Junc n649	341	0.19	377.88	36.88
Junc n650	352.4177000000054	0.19	378.03	25.61
Junc n651	303	0.29	413.37	110.37
Junc n652	302	0.29	413.10	111.10
Junc n653	427.3261999999959	0.18	503.12	75.79
Junc n654	434	0.18	503.04	69.04
Junc n655	456	0.18	504.89	48.89
Junc n656	464	0.18	504.75	40.75
Junc n657	382.9658999999956	0.24	448.78	65.81
Junc n658	350.5228999999963	0.24	448.63	98.11
Junc n659	383	0.24	449.73	66.73
Junc n660	386	0.24	449.62	63.62

Node ID	Elevation m	Base Demand LPS	Head m	Pressure m
Junc n661	429	0.54	514.44	85.44
Junc n662	409.4614000000001	0.54	512.47	103.01
Junc n663	494	0.54	524.21	30.20
Junc n664	485	0.54	522.53	37.53
Junc n665	394.4057999999932	0.21	441.60	47.20
Junc n666	396	0.21	440.35	44.35
Junc n667	420	0.54	512.10	92.10
Junc n668	352	0.19	419.39	67.39
Junc n669	350	0.19	419.29	69.29
Junc n670	365	0.19	383.56	18.56
Junc n671	364	0.19	383.55	19.55
Junc n672	360.3718999999983	0.19	383.50	23.12
Junc n673	270	0.18	380.86	110.86
Junc n674	278.4769999999999	0.18	380.83	102.35
Junc n675	279	0.18	381.09	102.09
Junc n676	328	0.18	382.99	54.99
Junc n677	315.1217999999935	0.18	382.95	67.82
Junc n678	324	0.18	382.79	58.79
Junc n679	318	0.18	382.71	64.71
Junc n680	289	0.18	381.06	92.06
Junc n681	279.4057999999932	0.18	381.90	102.49
Junc n682	349	0.19	383.60	34.60
Junc n683	336	0.19	382.81	46.81
Junc n684	338	0.19	382.41	44.41
Junc n685	366.2589000000007	0.19	383.55	17.29
Junc n686	401.3692000000001	0.21	442.30	40.93
Junc n687	393.5553000000073	0.21	442.12	48.56
Junc n688	341.4541000000026	0.18	434.40	92.95
Junc n689	359	0.21	434.06	75.06
Junc n690	300.8239999999933	0.11	412.51	111.69
Junc n691	289	0.11	412.48	123.48

Node ID	Elevation m	Base Demand LPS	Head m	Pressure m
Junc n692	353	0.19	378.99	25.99
Junc n693	337	0.19	377.35	40.35
Junc n694	338.5157000000035	0.19	376.86	38.34
Junc n695	337	0.19	377.48	40.48
Junc n696	340	0.19	377.27	37.27
Junc n697	338.1328999999969	0.19	376.90	38.76
Junc n698	342.9345999999932	0.19	376.80	33.86
Junc n699	335	0.19	376.94	41.94
Junc n700	345	0.19	376.59	31.59
Junc n701	346.7581999999966	0.19	376.48	29.72
Junc n702	346	0.19	376.46	30.46
Junc n703	323	0.19	375.53	52.53
Junc n704	314	0.19	375.18	61.18
Junc n705	339	0.19	376.89	37.89
Junc n706	324	0.19	375.54	51.54
Junc n707	335	0.19	377.12	42.12
Junc n708	337	0.19	377.00	40.00
Junc n709	371	0.24	458.36	87.36
Junc n710	375	0.24	447.16	72.16
Junc n711	362.7017999999953	0.24	445.89	83.18
Junc n712	374.2357000000047	0.24	445.84	71.60
Junc n713	357.6817000000001	0.24	445.86	88.18
Junc n714	380	0.24	447.13	67.13
Junc n715	441.0859999999956	0.54	521.49	80.40
Junc n716	309.5733999999938	0.29	412.45	102.87
Junc n717	289.7590999999957	0.01	412.74	122.99
Junc n719	277.4674999999988	0.11	412.44	134.97
Junc n720	323	0.29	412.43	89.43
Junc n721	331	0.29	412.22	81.22
Junc n722	347	0.29	412.52	65.52
Junc n723	332.5849000000017	0.29	412.47	79.89

Node ID	Elevation m	Base Demand LPS	Head m	Pressure m
Junc n724	398	0.21	442.46	44.46
Junc n725	404	0.24	461.21	57.21
Junc n726	380.3886999999959	0.24	461.27	80.88
Junc n727	385	0.24	461.89	76.89
Junc n728	264	0.01	412.74	148.74
Junc n729	304.6010999999999	0.29	411.81	107.21
Junc n730	375.7002999999968	0.24	462.10	86.40
Junc n731	413	0.24	461.91	48.91
Junc n732	397.2274999999936	0.11	461.51	64.28
Junc n733	390	0.11	461.48	71.48
Junc n734	424	0.54	504.15	80.15
Junc n735	441.5126000000018	0.54	503.65	62.14
Junc n736	334	0.24	398.48	64.48
Junc n737	320.9643999999971	0.24	398.14	77.18
Junc n738	306	0.24	398.11	92.11
Junc n739	292	0.24	398.08	106.08
Junc n740	324	0.11	462.14	138.14
Junc n741	330.6992000000028	0.24	462.05	131.35
Junc n742	358.3879000000016	0.29	407.43	49.04
Junc n743	355.6845000000003	0.29	407.19	51.51
Junc n744	362	0.29	407.37	45.37
Junc n745	335	0.24	395.70	60.70
Junc n746	328.0298000000039	0.24	382.66	54.63
Junc n747	363.6315000000032	0.24	408.74	45.11
Junc n748	346	0.24	408.35	62.35
Junc n749	384	0.24	461.99	77.99
Junc n750	389.1919999999954	0.24	460.17	70.98
Junc n751	395	0.24	458.32	63.32
Junc n752	381.1224999999977	0.11	462.30	81.18
Junc n753	337.7192000000068	0.19	377.06	39.35
Junc n754	338.1074999999983	0.19	376.88	38.77

Node ID	Elevation m	Base Demand LPS	Head m	Pressure m
Junc n755	316.7531000000017	0.19	376.84	60.09
Junc n756	309.1389000000054	0.11	462.28	153.14
Junc n757	380	0.18	384.99	4.99
Junc n758	332	0.18	384.01	52.01
Junc n759	351	0.19	383.78	32.78
Junc n760	428.5801999999967	0.21	455.78	27.20
Junc n761	408.7158999999956	0.54	513.72	105.00
Junc n762	423	0.54	513.56	90.56
Junc n764	442	0.21	458.42	16.42
Junc n765	432	0.21	458.41	26.41
Junc n766	424	0.21	443.44	19.44
Junc n767	316	0.19	382.10	66.10
Junc n768	301.1325999999972	0.19	382.00	80.87
Junc n769	454	0.11	488.97	34.97
Junc n770	447.2412000000004	0.21	488.47	41.23
Junc n771	434.8644999999996	0.21	488.46	53.59
Junc n772	438	1.37	510.25	72.25
Junc n773	435	1.37	496.81	61.81
Junc n774	440.0893999999971	1.37	510.36	70.27
Junc n775	454.0028000000019	0.18	503.21	49.21
Junc n776	512	0.54	524.74	12.74
Junc n777	485.3211000000001	0.54	524.69	39.37
Junc n778	482	0.54	523.96	41.96
Junc n780	488	0.54	524.14	36.14
Junc n781	506	0.54	524.65	18.65
Junc n782	452.6211999999941	0.54	524.11	71.48
Junc n783	459	0.54	523.47	64.47
Junc n784	519	0.54	524.74	5.74
Junc n785	473.4566000000049	0.54	522.62	49.17
Junc n786	452.5020999999979	0.54	516.65	64.15
Junc n787	426.5360999999975	0.54	505.80	79.26

Node ID	Elevation m	Base Demand LPS	Head m	Pressure m
Junc n788	494	0.54	523.57	29.57
Junc n789	475.006899999993	0.18	521.41	46.40
Junc n790	457.6839000000036	0.18	520.88	63.19
Junc n791	435.5804000000062	0.18	519.97	84.39
Junc n792	421.8179999999993	0.54	517.21	95.39
Junc n793	386.5328000000009	0.54	516.03	129.50
Junc n794	415	0.54	477.29	62.29
Junc n795	438	0.54	485.21	47.21
Junc n796	423	0.54	476.66	53.66
Junc n798	390.3754000000045	0.54	437.61	47.23
Junc n799	416.1628000000055	0.54	460.38	44.22
Junc n800	390.1781000000046	0.54	459.18	69.00
Junc n801	427.2969000000012	0.54	448.15	20.86
Junc n802	387	0.54	513.49	126.49
Junc n803	357	0.54	513.18	156.18
Junc n804	431	0.54	510.08	79.08
Junc n805	430.0730999999941	0.18	510.05	79.97
Junc n806	472	0.54	517.81	45.81
Junc n807	425	0.54	514.53	89.53
Junc n808	427.2980999999999	0.54	483.69	56.39
Junc n809	430	0.54	510.11	80.11
Junc n810	436	0.54	504.60	68.60
Junc n811	446.3488999999972	0.54	503.67	57.32
Junc n812	424	0.54	501.86	77.86
Junc n813	435.1168999999936	0.54	501.26	66.15
Junc n814	400	0.18	474.01	74.01
Junc n815	439	0.18	498.44	59.44
Junc n816	422.8613999999943	0.18	499.10	76.24
Junc n817	400	0.18	474.16	74.16
Junc n818	413	0.54	437.99	24.99
Junc n819	418.3378999999986	0.54	459.16	40.83

Node ID	Elevation m	Base Demand LPS	Head m	Pressure m
Junc n826	249	0.05	437.97	188.97
Junc n827	412.2219000000041	0.54	437.97	25.75
Junc n830	496	0.54	524.66	28.66
Junc n831	491	0.54	524.06	33.06
Junc n832	500	0.11	515.96	15.96
Junc n833	465	0.11	510.94	45.94
Junc n836	433	0.18	503.70	70.70
Junc n837	432.0457000000024	1.37	509.18	77.14
Junc n838	439	0.18	501.09	62.09
Junc n839	437	0.18	499.20	62.20
Junc n840	404.6407000000035	1.37	494.75	90.11
Junc n841	423	0.18	499.10	76.10
Junc n843	479.1104000000005	0.54	521.21	42.10
Junc n844	431.8877000000066	0.54	485.72	53.83
Junc n845	508.9869999999937	0.54	524.66	15.67
Junc n846	425.0151000000041	0.54	437.98	12.96
Junc n847	413	0.54	437.99	24.99
Junc n848	426.8374999999942	0.54	437.98	11.14
Junc n849	259	0.05	437.96	178.96
Junc n850	436	0.54	438.00	2.00
Junc n851	424	0.21	488.04	64.04
Junc n852	424	0.21	488.01	64.01
Junc n853	420	0.54	519.93	99.93
Junc n854	303.2082999999984	0.05	524.62	221.41
Junc n855	268.1918000000005	0.05	524.61	256.42
Junc n856	478	0.54	524.63	46.63
Junc n857	383.5004000000044	0.54	437.41	53.91
Junc n858	418.0247999999992	0.54	437.97	19.94
Junc n859	355.7146000000066	0.54	437.96	82.24
Junc n861	438.1132999999972	0.21	488.11	50.00
Junc n862	441	0.21	488.08	47.08

Node ID	Elevation m	Base Demand LPS	Head m	Pressure m
Junc n863	498	0.11	515.79	17.79
Junc n864	466.3757000000041	0.54	515.47	49.09
Junc n865	466	0.54	515.38	49.38
Junc n866	445	0.54	516.24	71.24
Junc n868	424	0.54	517.17	93.17
Junc n869	490	0.54	524.17	34.17
Junc n870	415	0.54	477.03	62.03
Junc n871	396	0.54	513.55	117.55
Junc n881	339.1996999999974	0.19	377.18	37.98
Junc n882	405.1661000000022	1.37	495.97	90.81
Junc n883	436.7081999999936	0.54	501.02	64.32
Junc n885	322.0016999999935	0.24	382.48	60.48
Junc n886	329	0.24	382.55	53.55
Junc n887	314.7262000000046	0.24	382.60	67.87
Junc n888	284	0.24	379.17	95.17
Junc n889	280.9220000000059	0.24	379.24	98.32
Junc n890	281.8516999999992	0.24	379.21	97.36
Junc n891	331	0.24	382.55	51.55
Junc n892	294.2485000000015	0.24	380.13	85.88
Junc n893	291	0.24	379.94	88.94
Junc n894	312.7872000000061	0.24	382.49	69.70
Junc n895	329	0.11	462.33	133.33
Junc n897	316.2145000000019	0.18	382.71	66.50
Junc n898	323	0.18	382.72	59.72
Junc n899	309	0.18	382.13	73.13
Junc n901	316	0.18	382.80	66.80
Junc n902	316	0.18	382.93	66.93
Junc n903	326	0.18	383.97	57.97
Junc n904	326.8874000000069	0.18	380.88	53.99
Junc n905	324	0.18	381.05	57.05
Junc n906	313	0.18	382.73	69.73

Node ID	Elevation m	Base Demand LPS	Head m	Pressure m
Junc n907	321	0.18	380.39	59.39
Junc n908	317	0.18	380.25	63.25
Junc n909	305.2883000000002	0.19	382.09	76.80
Junc n910	321	0.19	381.53	60.53
Junc n911	422	0.18	519.72	97.72
Junc n912	418	0.18	520.01	102.01
Junc n913	426.8467999999993	0.54	482.96	56.11
Junc n915	423.9545999999973	0.54	447.39	23.44
Junc n916	438.6864000000059	0.54	446.40	7.71
Junc n917	437.0746999999973	0.54	447.45	10.38
Junc n957	337.9685999999929	0.19	377.18	39.21
Junc n958	308	0.18	381.76	73.76
Junc n959	397.2421000000031	0.54	512.38	115.14
Junc n961	302	0.19	376.88	74.88
Junc n962	429.8135999999994	0.54	481.31	51.50
Junc n964	436.9951000000001	0.54	447.45	10.45
Junc n975	375	0.18	432.26	57.26
Junc n979	405	0.19	430.23	25.23
Junc 1	311	0.18	382.28	71.28
Junc 5	318	0.18	380.35	62.35
Junc 3	432	0.54	438.00	6.00
Junc 6	455	0.29	463.68	8.68
Junc 7	432	0.29	413.99	-18.01
Junc 8	382	0.18	385.31	3.31
Junc 10	376	0.19	379.49	3.49
Junc 14	442	0.21	443.48	1.48
Junc 2	306	0.29	444.15	138.15
Resvr 4	525	#N/A	525.00	0.00
Tank SS7	410	#N/A	414.00	4.00
Tank SS2	434	#N/A	438.00	4.00
Tank SS3	460	#N/A	463.98	3.98

Node ID	Elevation m	Base Demand LPS	Head m	Pressure m
Tank SS5	443	#N/A	443.51	0.51
Tank SS6	376	#N/A	379.50	3.50
Tank SS4	381	#N/A	385.00	4.00

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Network Table - Links at 24:00 Hrs

Link ID	Length m	Diameter mm	Flow LPS	Velocity m/s	Unit Headloss m/km
Pipe SD_03	1603.26	100	0.54	0.07	0.11
Pipe SD_11	697.2	100	0.18	0.02	0.01
Pipe SA_02_1	855	150	11.20	0.63	4.68
Pipe SD_01_A	5575	150	0.15	0.01	0.00
Pipe SD_01_D	3674	80	-0.54	0.11	0.35
Pipe p443	1982	100	1.02	0.13	0.37
Pipe p444	1206	150	-1.90	0.11	0.15
Pipe p445	2078.01	200	-48.88	1.56	19.00
Pipe p446	2628	150	-12.09	0.68	5.44
Pipe p447	2305	300	10.49	0.15	0.11
Pipe p448	1695	150	2.60	0.15	0.27
Pipe p449	866.9	150	0.21	0.01	0.00
Pipe p450	466.3	250	7.67	0.16	0.16
Pipe p451	2162	110	0.42	0.04	0.04
Pipe p452	723.7	80	0.21	0.04	0.05
Pipe p453	1721	100	0.50	0.06	0.10
Pipe p454	4251	200	2.44	0.08	0.06
Pipe p455	649.7	65	0.42	0.13	0.63
Pipe p456	1480	110	0.21	0.02	0.01
Pipe p457	2464	150	0.08	0.00	0.00
Pipe p458	227.6	200	1.44	0.05	0.02
Pipe p459	881.9	200	1.02	0.03	0.01
Pipe p460	1467	80	0.21	0.04	0.05
Pipe p461	1096	200	0.60	0.02	0.00
Pipe p462	2175	100	0.21	0.03	0.01
Pipe p463	1268	80	0.21	0.04	0.05
Pipe p464	1939	80	1.44	0.29	2.28
Pipe p465	654.8	63	0.63	0.20	1.61
Pipe p466	1880	100	0.04	0.01	0.00
Pipe p467	1352	63	0.21	0.07	0.20

Link ID	Length m	Diameter mm	Flow LPS	Velocity m/s	Unit Headloss m/km
Pipe p468	1152	63	0.21	0.07	0.20
Pipe p469	1970	80	0.60	0.12	0.42
Pipe p470	2028	65	0.18	0.05	0.11
Pipe p471	1933	65	0.21	0.06	0.17
Pipe p472	1429	65	-0.24	0.07	0.22
Pipe SA_02	2577	200	13.25	0.42	1.44
Pipe p474	2003	80	0.02	0.00	0.00
Pipe p475	1092	90	0.84	0.13	0.44
Pipe p476	635.6	63	0.21	0.07	0.20
Pipe p477	2284	90	0.21	0.03	0.02
Pipe p478	997.6	200	0.18	0.01	0.00
Pipe p479	885.8	63	0.19	0.06	0.16
Pipe p480	943.9	63	0.57	0.18	1.33
Pipe p481	924.9	100	-0.08	0.01	0.00
Pipe p482	154.6	100	0.63	0.08	0.15
Pipe p483	724.3	80	0.29	0.06	0.11
Pipe p484	1053	100	1.63	0.21	0.90
Pipe p485	906.7	100	-0.21	0.03	0.01
Pipe p486	444.2	80	0.21	0.04	0.05
Pipe p487	135.6	100	0.21	0.03	0.01
Pipe p488	425.6	50	0.19	0.10	0.55
Pipe p489	2011	110	-0.19	0.02	0.01
Pipe p490	4633	100	0.19	0.02	0.01
Pipe p491	1564	250	-0.95	0.02	0.00
Pipe p493	2628.14	350	16.48	0.17	0.12
Pipe p494	3642	110	3.55	0.37	2.50
Pipe p495	633.8	100	2.20	0.28	1.62
Pipe p496	2631	110	0.30	0.03	0.02
Pipe p497	1092	65	0.35	0.10	0.44
Pipe p498	2333	100	-0.29	0.04	0.03
Pipe p499	954.5	80	2.21	0.44	5.27

Link ID	Length m	Diameter mm	Flow LPS	Velocity m/s	Unit Headloss m/km
Pipe p500	1078	80	1.49	0.30	2.45
Pipe p501	1571	80	0.29	0.06	0.11
Pipe p502	1894	100	-0.19	0.02	0.01
Pipe p503	1618	100	0.92	0.12	0.30
Pipe p504	3257	100	0.92	0.12	0.31
Pipe p505	1723	100	0.72	0.09	0.19
Pipe p506	1709	65	0.18	0.05	0.11
Pipe p507	1953	80	-0.80	0.16	0.74
Pipe p508	1100	90	0.36	0.06	0.09
Pipe p512	460.9	50	0.18	0.09	0.50
Pipe p513	5893	80	0.18	0.04	0.03
Pipe p514	976.4	110	1.57	0.17	0.51
Pipe p515	713.5	110	1.75	0.18	0.63
Pipe p516	1669	150	-1.67	0.09	0.12
Pipe p517	1306	100	8.31	1.06	22.11
Pipe p518	1005	100	0.95	0.12	0.32
Pipe p520	196.6	80	0.18	0.04	0.03
Pipe p521	119	80	0.54	0.11	0.35
Pipe p522	349.6	80	0.90	0.18	0.92
Pipe p523	146.3	80	0.18	0.04	0.03
Pipe p524	418.3	80	0.18	0.04	0.03
Pipe p525	1304	80	0.18	0.04	0.03
Pipe p526	1671	65	0.18	0.05	0.11
Pipe p527	1237	150	3.94	0.22	0.61
Pipe p528	2500	80	0.19	0.04	0.03
Pipe p529	1109	300	-8.65	0.12	0.08
Pipe p530	643.7	300	-8.47	0.12	0.07
Pipe p531	4853	300	-10.50	0.15	0.11
Pipe p532	176	250	-4.89	0.10	0.07
Pipe p533	3453	110	-1.03	0.11	0.23
Pipe p534	3646	150	-1.52	0.09	0.10

Link ID	Length m	Diameter mm	Flow LPS	Velocity m/s	Unit Headloss m/km
Pipe p536	2158	250	-3.99	0.08	0.05
Pipe p537	2453	110	0.63	0.07	0.09
Pipe p538	1808	110	-0.99	0.10	0.21
Pipe p539	3501	150	-1.40	0.08	0.08
Pipe p540	2101.40	250	7.60	0.15	0.15
Pipe p541	6402	100	-0.14	0.02	0.01
Pipe p542	468.66	100	8.12	1.03	21.12
Pipe p543	1510	80	0.28	0.06	0.11
Pipe p544	1390	80	0.21	0.04	0.05
Pipe p545	1289	150	1.13	0.06	0.06
Pipe p546	930.9	90	0.92	0.14	0.52
Pipe p547	1809	110	-2.24	0.24	1.02
Pipe p548	1946	90	-0.21	0.03	0.02
Pipe p549	1196	90	-0.42	0.07	0.12
Pipe p550	1739	100	0.21	0.03	0.01
Pipe p551	6713	100	0.76	0.10	0.21
Pipe p552	3562	150	1.08	0.06	0.05
Pipe p553	5934.96	250	5.63	0.11	0.09
Pipe p554	796.92	200	16.78	0.53	2.29
Pipe p555	400.63	200	-49.67	1.58	19.61
Pipe p556	1053	250	-15.31	0.31	0.60
Pipe p557	179.7	150	8.50	0.48	2.72
Pipe p558	163.3	150	2.83	0.16	0.32
Pipe p559	609.1	110	-1.39	0.15	0.41
Pipe p560	80.36	100	-1.21	0.15	0.51
Pipe p561	249.9	110	0.63	0.07	0.09
Pipe p562	975.1	90	0.21	0.03	0.02
Pipe p563	1153	100	0.92	0.12	0.31
Pipe p564	476.6	250	-16.15	0.33	0.66
Pipe p565	905.9	65	-0.60	0.18	1.25
Pipe p566	577.1	90	-0.78	0.12	0.38

Link ID	Length m	Diameter mm	Flow LPS	Velocity m/s	Unit Headloss m/km
Pipe p567	1259	90	-2.05	0.32	2.45
Pipe p568	1341	100	-0.29	0.04	0.03
Pipe p569	4173	100	0.29	0.04	0.03
Pipe p570	859.8	150	5.48	0.31	1.15
Pipe p571	197.45	150	5.77	0.33	1.27
Pipe p572	1488	100	0.07	0.01	0.00
Pipe p573	453.6	80	0.02	0.00	0.00
Pipe p574	352.7	100	0.03	0.00	0.00
Pipe p575	1539	160	-4.97	0.25	0.68
Pipe p576	1199	250	-6.08	0.12	0.10
Pipe p577	1226	200	-3.68	0.12	0.12
Pipe p578	319	65	0.73	0.22	1.80
Pipe p579	282.5	150	2.07	0.12	0.18
Pipe p580	1231	200	5.05	0.16	0.22
Pipe p581	2753	80	0.18	0.04	0.03
Pipe p582	1211	65	0.18	0.05	0.11
Pipe p583	678.6	65	0.24	0.07	0.22
Pipe p584	500.6	65	0.24	0.07	0.22
Pipe p585	685.3	80	1.62	0.32	2.88
Pipe p586	1275	80	1.08	0.21	1.31
Pipe p587	2231	90	0.21	0.03	0.02
Pipe p588	159.9	200	15.10	0.48	1.86
Pipe p589	310.5	100	1.65	0.21	0.93
Pipe p590	565	63	0.21	0.07	0.20
Pipe p591	1057	80	0.54	0.11	0.35
Pipe p592	609.9	63	0.19	0.06	0.16
Pipe p593	21.96	65	0.38	0.11	0.52
Pipe p594	563.9	80	-0.57	0.11	0.39
Pipe p595	304.6	80	-0.19	0.04	0.03
Pipe p596	490	65	0.19	0.06	0.14
Pipe p597	3185	90	0.13	0.02	0.01

Link ID	Length m	Diameter mm	Flow LPS	Velocity m/s	Unit Headloss m/km
Pipe p598	1155	80	-0.05	0.01	0.01
Pipe p599	1920	80	0.31	0.06	0.12
Pipe p600	1563	80	0.18	0.04	0.03
Pipe p601	566.7	63	0.18	0.06	0.14
Pipe p602	430.5	65	0.36	0.11	0.47
Pipe p603	1356	80	0.72	0.14	0.60
Pipe p604	1296	80	0.67	0.13	0.52
Pipe p605	1274	80	0.18	0.04	0.03
Pipe p606	1384	63	0.18	0.06	0.14
Pipe p607	2438	100	0.95	0.12	0.32
Pipe p608	1749	140	1.33	0.09	0.11
Pipe p609	600	80	0.76	0.15	0.67
Pipe p610	1281	80	0.19	0.04	0.03
Pipe p611	1256	65	0.07	0.02	0.02
Pipe p612	1333	65	0.42	0.13	0.63
Pipe p613	927.2	63	0.21	0.07	0.20
Pipe p614	583.6	90	0.63	0.10	0.25
Pipe p615	809.5	65	0.18	0.05	0.11
Pipe p616	648.3	65	-0.21	0.06	0.17
Pipe p617	2901	100	0.22	0.03	0.01
Pipe p618	1100	90	-0.80	0.13	0.40
Pipe p619	1679	90	-1.06	0.17	0.68
Pipe p620	3193	65	0.19	0.06	0.14
Pipe p621	3596	65	0.19	0.06	0.14
Pipe p622	1510	65	0.19	0.06	0.14
Pipe p623	722.8	65	0.19	0.06	0.14
Pipe p624	919.8	80	0.57	0.11	0.39
Pipe p625	94.22	63	0.19	0.06	0.16
Pipe p626	213.8	65	0.38	0.11	0.52
Pipe p627	2077	63	0.19	0.06	0.16
Pipe p628	1012	63	0.57	0.18	1.33

Link ID	Length m	Diameter mm	Flow LPS	Velocity m/s	Unit Headloss m/km
Pipe p629	26.94	65	0.38	0.11	0.52
Pipe p630	888.9	65	0.19	0.06	0.14
Pipe p631	1942	160	-0.95	0.05	0.03
Pipe p632	569.9	65	2.16	0.65	15.15
Pipe p633	102.5	65	1.68	0.51	9.24
Pipe p634	720.8	65	0.72	0.22	1.77
Pipe p635	226.6	65	0.24	0.07	0.22
Pipe p636	118.1	65	0.24	0.07	0.22
Pipe p637	337.9	65	1.20	0.36	4.78
Pipe p638	131	65	0.24	0.07	0.22
Pipe p639	676.9	60	0.54	0.19	1.55
Pipe p640	147.6	100	0.36	0.05	0.05
Pipe p641	4504	100	0.12	0.02	0.00
Pipe p642	1379	250	5.34	0.11	0.08
Pipe p643	385	100	1.05	0.13	0.39
Pipe p644	516.3	80	0.01	0.00	0.00
Pipe p645	2129	80	-1.13	0.23	1.44
Pipe p647	3575	80	0.11	0.02	0.01
Pipe p648	1383	150	0.33	0.02	0.00
Pipe p649	891	100	0.46	0.06	0.08
Pipe p650	537.9	100	0.29	0.04	0.03
Pipe p651	808.3	100	0.58	0.07	0.13
Pipe p652	1129	80	-0.43	0.09	0.23
Pipe p653	1584	100	1.01	0.13	0.36
Pipe p654	1477	100	0.29	0.04	0.03
Pipe p655	861.7	200	3.75	0.12	0.12
Pipe p656	1409	80	0.63	0.13	0.47
Pipe p657	2941	80	0.21	0.04	0.05
Pipe p658	1964	150	-0.81	0.05	0.03
Pipe p659	1598	100	-1.05	0.13	0.39
Pipe p660	2569	80	0.01	0.00	0.00

Link ID	Length m	Diameter mm	Flow LPS	Velocity m/s	Unit Headloss m/km
Pipe p661	98.8	100	1.16	0.15	0.47
Pipe p662	3745	80	0.29	0.06	0.11
Pipe p663	2497	80	0.24	0.05	0.08
Pipe p664	2099	80	0.11	0.02	0.01
Pipe p665	296.2	100	1.99	0.25	1.34
Pipe p666	2615	90	0.54	0.08	0.19
Pipe p667	552.8	80	0.72	0.14	0.60
Pipe p668	439.5	80	0.24	0.05	0.08
Pipe p669	793.6	80	0.24	0.05	0.08
Pipe p670	1230	80	0.24	0.05	0.08
Pipe p671	2169	80	0.29	0.06	0.11
Pipe p672	533.1	80	0.29	0.06	0.11
Pipe p673	1743	80	2.64	0.53	7.48
Pipe p674	3878	150	5.19	0.29	1.04
Pipe p675	2052	100	3.84	0.49	4.81
Pipe p676	1012	100	2.88	0.37	2.74
Pipe p677	593.5	150	4.08	0.23	0.65
Pipe p678	1868	150	2.53	0.14	0.26
Pipe p679	1362	150	2.31	0.13	0.22
Pipe p680	3134	150	2.88	0.16	0.33
Pipe p681	2079	100	0.24	0.03	0.02
Pipe p682	784.4	100	2.64	0.34	2.31
Pipe p683	2686.55	200	5.44	0.17	0.25
Pipe p684	3532	200	4.76	0.15	0.20
Pipe p685	753.6	200	4.06	0.13	0.15
Pipe p686	5496	200	1.29	0.04	0.02
Pipe p687	591.30	250	-6.46	0.13	0.11
Pipe p688	790.4	100	0.76	0.10	0.21
Pipe p689	2405	90	0.19	0.03	0.02
Pipe p690	1135	200	4.54	0.14	0.18
Pipe p691	3381	90	0.11	0.02	0.01

Link ID	Length m	Diameter mm	Flow LPS	Velocity m/s	Unit Headloss m/km
Pipe p692	711.69	300	14.62	0.21	0.21
Pipe p693	527	300	-8.10	0.11	0.07
Pipe p694	2469	250	-4.35	0.09	0.05
Pipe p695	1778	250	-4.53	0.09	0.06
Pipe p696	1227	250	-0.19	0.00	0.00
Pipe p697	317.3	100	0.38	0.05	0.06
Pipe p698	1954	90	-0.21	0.03	0.02
Pipe p699	828.1	90	0.54	0.08	0.19
Pipe p700	127.5	150	-1.05	0.06	0.05
Pipe p701	121	200	-49.17	1.56	19.22
Pipe p703	528.4	160	-3.87	0.19	0.42
Pipe p704	623.2	100	-0.03	0.00	0.00
Pipe p705	2350	100	0.69	0.09	0.18
Pipe p706	1148	100	0.21	0.03	0.01
Pipe p707	1321	100	-0.70	0.09	0.18
Pipe p708	680.2	250	16.36	0.33	0.68
Pipe p709	1355	200	2.28	0.07	0.05
Pipe p710	737.04	200	2.49	0.08	0.06
Pipe p711	693.8	100	0.42	0.05	0.07
Pipe p714	2963.19	250	-58.70	1.20	8.43
Pipe p715	1124	100	0.21	0.03	0.01
Pipe p716	3109	90	2.74	0.43	4.32
Pipe p717	2173	110	3.56	0.37	2.52
Pipe p718	2805	110	0.36	0.04	0.03
Pipe p719	1983	400	9.33	0.07	0.02
Pipe p720	1803	80	1.08	0.21	1.31
Pipe p721	1619	150	1.62	0.09	0.11
Pipe p722	1775	200	5.40	0.17	0.25
Pipe p723	1821	80	0.54	0.11	0.35
Pipe p725	4230	250	32.17	0.66	2.56
Pipe p726	2341	80	0.90	0.18	0.92

Link ID	Length m	Diameter mm	Flow LPS	Velocity m/s	Unit Headloss m/km
Pipe p727	1075	50	0.18	0.09	0.50
Pipe p729	3383	80	0.54	0.11	0.35
Pipe p730	920.6	65	-1.62	0.49	8.60
Pipe p731	622.1	65	0.54	0.16	1.02
Pipe p732	7169	150	1.08	0.06	0.05
Pipe p733	3989	200	-27.85	0.89	6.23
Pipe p734	1409	80	2.70	0.54	7.82
Pipe p735	2817	100	0.54	0.07	0.11
Pipe p736	1282	80	0.18	0.04	0.03
Pipe p737	2297	150	6.12	0.35	1.43
Pipe p738	888.8	50	1.62	0.83	34.70
Pipe p739	703.6	80	2.70	0.54	7.82
Pipe p740	230.4	50	0.54	0.28	4.03
Pipe p741	952.1	80	1.62	0.32	2.88
Pipe p742	1722	80	0.54	0.11	0.35
Pipe p743	5490.46	250	-32.52	0.66	2.62
Pipe p745	4151	100	4.30	0.55	6.01
Pipe p750	4989	150	-0.10	0.01	0.00
Pipe p752	1694	80	0.54	0.11	0.35
Pipe p753	2342	400	-61.48	0.49	0.79
Pipe p754	2488	250	-60.07	1.22	8.83
Pipe p756	3028.95	150	20.52	1.16	15.50
Pipe p757	1390	200	-22.11	0.70	3.95
Pipe p758	671.9	200	-21.93	0.70	3.88
Pipe p759	2144	80	1.37	0.27	2.08
Pipe p760	1748.58	100	-2.66	0.34	2.35
Pipe p761	1477.91	300	-60.18	0.85	3.40
Pipe p762	1297	300	33.79	0.48	1.09
Pipe p763	2464	200	30.55	0.97	7.48
Pipe p764	1934	400	8.79	0.07	0.02
Pipe p765	702.83	450	9.87	0.06	0.01

Link ID	Length m	Diameter mm	Flow LPS	Velocity m/s	Unit Headloss m/km
Pipe p766	2135	350	-2.80	0.03	0.00
Pipe p767	1621	300	-1.18	0.02	0.00
Pipe p768	2699	80	-0.05	0.01	0.01
Pipe p769	1578.93	400	-3.88	0.03	0.00
Pipe p770	627.1	200	-0.64	0.02	0.00
Pipe p771	737.1	150	1.08	0.06	0.05
Pipe p773	556.59	80	0.21	0.04	0.05
Pipe p774	947.7	80	1.62	0.32	2.88
Pipe p775	1491	80	0.05	0.01	0.01
Pipe p776	1942	200	1.23	0.04	0.02
Pipe p777	1772	100	0.54	0.07	0.11
Pipe p778	1963.89	250	2.16	0.04	0.01
Pipe p779	1205.12	250	1.62	0.03	0.01
Pipe p780	1253.00	200	1.08	0.03	0.01
Pipe p781	1540	90	0.21	0.03	0.02
Pipe p782	929.3	80	0.54	0.11	0.35
Pipe p783	1185	80	0.54	0.11	0.35
Pipe p784	2116	90	0.54	0.08	0.19
Pipe p785	776.5	250	-23.48	0.48	1.38
Pipe p786	282.9	200	-18.20	0.58	2.69
Pipe p787	1485.53	100	2.00	0.25	1.34
Pipe p788	820.3	110	3.20	0.34	2.04
Pipe p789	2296	400	-75.16	0.60	1.17
Pipe p790	1924	400	-73.00	0.58	1.11
Pipe p791	106.3	80	1.19	0.24	1.58
Pipe p792	1394	100	0.84	0.11	0.26
Pipe p793	1667	250	33.25	0.68	2.74
Pipe p794	70.22	200	-30.01	0.96	7.22
Pipe p795	31.11	400	-3.34	0.03	0.00
Pipe p796	96.64	80	-0.54	0.11	0.35
Pipe p797	504.9	400	5.94	0.05	0.01

Link ID	Length m	Diameter mm	Flow LPS	Velocity m/s	Unit Headloss m/km
Pipe p798	1228	150	-21.96	1.24	17.73
Pipe p799	3694	150	-4.86	0.28	0.91
Pipe p800	67.69	150	3.24	0.18	0.42
Pipe p801	256.7	65	-0.54	0.16	1.02
Pipe p802	1524	150	1.62	0.09	0.11
Pipe p803	2472	150	-2.70	0.15	0.29
Pipe p804	260.2	200	3.78	0.12	0.13
Pipe p812	770.9	100	0.19	0.02	0.01
Pipe p813	1289	100	1.37	0.17	0.65
Pipe p814	207.9	50	0.54	0.28	4.03
Pipe p816	847.5	100	-1.33	0.17	0.61
Pipe p818	961.9	80	-0.24	0.05	0.08
Pipe p820	440.6	80	0.24	0.05	0.08
Pipe p821	589.2	80	-0.24	0.05	0.08
Pipe p822	2417	80	0.24	0.05	0.08
Pipe p823	874.3	80	0.24	0.05	0.08
Pipe p824	1198	80	0.35	0.07	0.16
Pipe p826	1412	80	-0.93	0.18	0.98
Pipe p827	1333	80	-0.10	0.02	0.01
Pipe p829	268.3	50	-0.18	0.09	0.50
Pipe p830	264.8	50	-0.18	0.09	0.50
Pipe p831	344.5	50	-0.18	0.09	0.50
Pipe p832	1175	150	-0.28	0.02	0.00
Pipe p833	284.4	50	0.18	0.09	0.50
Pipe p834	1340	65	0.32	0.10	0.37
Pipe p835	679.3	65	0.44	0.13	0.70
Pipe p836	1047	50	0.19	0.10	0.55
Pipe p837	572.7	50	-0.18	0.09	0.50
Pipe p838	180.9	50	-0.54	0.28	4.03
Pipe p839	188.63	50	0.54	0.28	4.03
Pipe p840	261.2	50	-0.54	0.28	4.03

Link ID	Length m	Diameter mm	Flow LPS	Velocity m/s	Unit Headloss m/km
Pipe p907	493.5	160	-3.42	0.17	0.33
Pipe p908	474.4	160	-3.11	0.15	0.27
Pipe p909	222.8	160	-3.04	0.15	0.26
Pipe p910	295.1	160	-2.66	0.13	0.20
Pipe p912	769.2	80	-0.21	0.04	0.05
Pipe p913	1159	80	-0.57	0.11	0.39
Pipe p914	528.6	80	-0.85	0.17	0.82
Pipe p915	53.89	250	-27.59	0.56	1.89
Pipe p916	597.3	200	-19.75	0.63	3.16
Pipe p917	1214	110	-0.18	0.02	0.01
Pipe p918	165.3	110	2.65	0.28	1.41
Pipe p919	814	150	-12.72	0.72	6.02
Pipe p920	1513	80	0.87	0.17	0.86
Pipe p921	222.7	80	0.48	0.10	0.28
Pipe p922	177.1	80	0.72	0.14	0.60
Pipe p923	249.7	80	0.54	0.11	0.35
Pipe p924	1078	150	1.08	0.06	0.05
Pipe p930	1353	160	-1.71	0.09	0.09
Pipe p931	1192	160	-3.49	0.17	0.34
Pipe p932	2407	160	-0.19	0.01	0.00
Pipe p933	589.6	50	0.54	0.28	4.03
Pipe p934	243	80	1.62	0.32	2.88
Pipe p935	18.62	80	0.54	0.11	0.35
Pipe p936	206.3	200	31.63	1.01	8.01
Pipe p937	247.7	400	7.02	0.06	0.01
Pipe p946	1017	100	0.42	0.05	0.07
Pipe p947	910.6	100	1.26	0.16	0.55
Pipe p948	49.5	150	0.69	0.04	0.02
Pipe p949	89.41	150	0.10	0.01	0.00
Pipe p956	1100.76	150	-23.53	1.33	20.33
Pipe p957	222.2	150	20.70	1.17	15.77

Link ID	Length m	Diameter mm	Flow LPS	Velocity m/s	Unit Headloss m/km
Pipe p958	1009	150	21.06	1.19	16.32
Pipe SA_02_4	2311	150	8.40	0.48	2.65
Pipe SA_02_3	798.8	150	10.82	0.61	4.37
Pipe SA_02_2	442.2	150	11.01	0.62	4.53
Pipe 1	303	50	-0.18	0.09	0.50
Pipe 2	558	82	-0.13	0.03	0.01
Pipe 3	1511	80	-0.49	0.10	0.29
Pipe 4	201	80	-0.95	0.19	1.03
Pipe 5	612	80	-1.31	0.26	1.91
Pipe 7	886	85	-0.51	0.09	0.23
Pipe 8	1633	85	0.18	0.03	0.02
Pipe 9	308	85	0.15	0.03	0.01
Pipe 10	889.94	80	-0.69	0.14	0.55
Pipe 11	929.15	80	-1.05	0.21	1.24
Pipe 12	166.87	110	-0.54	0.06	0.07
Pipe 13	1256.38	110	-1.77	0.19	0.65
Pipe 14	132.13	110	-1.95	0.21	0.78
Pipe 15	550.66	110	-3.03	0.32	1.83
Pipe 16	1350.93	80	-0.06	0.01	0.01
Pipe 17	553.93	63	-0.19	0.06	0.16
Pipe 18	813.76	63	-0.06	0.02	0.02
Pipe 19	767.04	80	0.57	0.11	0.39
Pipe 20	149.42	80	0.19	0.04	0.04
Pipe 21	1576.17	80	1.20	0.24	1.61
Pipe 22	1469.68	80	0.72	0.14	0.60
Pipe 23	924.80	80	0.24	0.05	0.08
Pipe 25	4019.88	80	0.54	0.11	0.35
Pipe 26	1206.69	80	0.18	0.04	0.03
Pipe 30	4.62	250	48.59	0.99	5.80
Pipe 33	4.40	400	-22.99	0.18	0.11
Pipe 35	4.60	350	58.41	0.61	1.43

Link ID	Length m	Diameter mm	Flow LPS	Velocity m/s	Unit Headloss m/km
Pipe 38	8.90	250	7.39	0.15	0.15
Pipe 28	91.45	100	-7.93	1.01	20.15
Pipe 40	14.31	300	14.80	0.21	0.22
Pipe 41	864.73	100	3.96	0.50	5.11
Pipe 42	114.58	100	0.72	0.09	0.19
Pipe 43	758.00	150	-0.54	0.03	0.01
Pipe 44	2150.46	150	-3.78	0.21	0.56
Pipe 45	711.73	450	-109.49	0.69	1.33
Pipe 46	860.74	450	-110.93	0.70	1.36
Pipe 47	3.25	100	-2.48	0.32	2.05
Pipe 48	2026.48	150	18.02	1.02	11.98
Pipe 49	8.04	150	22.14	1.25	18.03
Pipe 27	10.07	250	6.58	0.13	0.12
Pipe 31	7.16	200	71.87	2.29	40.91
Pipe 32	7.97	250	11.69	0.24	0.35
Pipe 36	20.43	150	20.34	1.15	15.23
Pipe 37	95.00	250	6.65	0.14	0.12
Pipe 53	11.03	200	19.48	0.62	3.07
Pipe 34	392.88	80	0.11	0.02	0.01
Pipe 39	1732.68	80	0.57	0.11	0.39
Pipe 24	98.02	450	-153.87	0.97	2.61