



**LAKEVIEW WATER SYSTEM
SNOW BASIN ROAD AND STATE ROAD 39
HUNTSVILLE, UTAH
WATER SYSTEM MULTI-PRESSURE ZONE FIRE ANALYSIS**

Project No. 20N224

Revised January 25, 2013

Revised February 15, 2013

Revised October 12, 2015

Revised August 23, 2021

RE: LAKE VIEW WATER SYSTEM REPORT

The Lakeview Water System is located just south of Pineview Reservoir along State Road 39 and Snow Basin Road in the Huntsville Area. This water system can also be described as located in Sections 13, 23 and 24 of Township 6 North, Range 1 East, Salt Lake Base and Meridian.

The water system was established in the 1960's to first serve Pineview Plunge, a swimming pool that sat on the property now known as Lakeside Village, and then expanded to serve Valley Lake Estates in the 1970's. The water system was upgraded to handle the Summit at Ski Lake and Chalets at Ski Lake developments. It was also sold to Ray Bowden in 2011. The Lakeview Water System is being further been expanded to serve the Legacy Mountain Estates Subdivision as an extension to the existing water network. The Water System now consists of the following:

449,000 gallon concrete reservoir (2003)
52,600 gallon concrete reservoir (1982 +/-)
52,200 gallon concrete reservoir (1966 +/-) (not currently in use - needs some repairs)
250,000 gallon concrete reservoir (2021)

2 Culinary Water Wells: 1. Mitchell Well – approved at 245 gpm
2. Bowden Well – approved at 310 gpm

Distribution System including 4", 6", 8", and 10" PVC pipe, Fire Hydrants, Pressure Reducing Stations, Service Laterals and Meters.

Lakeview Water Company also has water rights to a total of 303 acre-feet of water approved by The Utah State Engineer (Division of Water Rights) through Weber Basin Water Conservancy District, with an additional 44 acre-feet pending transfer. Lakeview Water Company is currently serving 357.80 equivalent residential connections (ERCs) which includes providing irrigation to 21.13 acres of landscaping in addition to the culinary use. Under buildout conditions, the Company will serve a total of 614.68 ERCs including irrigation provided to 34.03 acres of landscaping. Total Source available is two-thirds the approved test pump rates of the wells (555 gpm times 2/3 equals 370 gpm) and 501,600 gallons of active water storage. The water rights are listed by contract number in the following table:



Contract Number	Water Right (ac-ft/year)	Category
#41023	30 ac-ft/year	Municipal and Irrigation
#41024	60 ac-ft/year	Municipal and Irrigation
#41025	40 ac-ft/year	Municipal and Irrigation
#41026	50 ac-ft/year	Municipal and Irrigation
#41120	38 ac-ft/year	Municipal and Irrigation
#41121	78 ac-ft/year	Irrigation
#41122	7 ac-ft/year	Irrigation
(Pending transfer from John Lewis)	44 ac-ft/year	Municipal and Irrigation

The Lakeview Water Company currently serves many developments with Residential and Landscaping use ERCs. Tables for the Existing and Future conditions of these developments are shown below.

EXISTING TOTALS				
Development Area	Culinary Use ERCs	Landscape Use ERCs	Total Use ERCs	Irr. Ac.
Ski Lake Estates	18	25.21	43.21	4.13
Valley Lake Estates (Upper)	13	18.21	31.21	2.98
Valley Lake Estates (Lower)	24	0.00	24.00	0.00
The Summit at Ski Lake	28	19.61	47.61	3.21
The Chalets at Ski Lake	38	21.29	59.29	3.49
Edgewater Beach Resort	35	12.81	47.81	3.78
Lakeside Village	85	15.26	100.26	2.50
Catholic Church	2	0.00	2.00	0.00
Commercial (3.22 Acre)	0	0.00	0.00	0.00
Snow Basin Lot (1.77 acre)	0	0.00	0.00	0.00
Dr. Samural Lot	0	0.00	0.00	0.00
Langeland Property (1.93 acre)	1	1.40	2.40	0.23
Legacy mountain	0	0.00	0.00	0.00
Totals	244	113.80	357.80	20.33



FUTURE (BUILDOUT) TOTALS				
Development Area	Culinary Use ERCs	Landscape Use ERCs	Total Use ERCs	Irr. Ac.
Ski Lake Estates	21	29.42	50.42	4.82
Valley Lake Estates (Upper)	14	19.61	33.61	3.21
Valley Lake Estates (Lower)	26	0.00	26.00	0.00
The Summit at Ski Lake	54	37.82	91.82	6.20
The Chalets at Ski Lake	76	42.59	118.59	6.98
Edgewater Beach Resort	63	23.07	86.07	3.78
Lakeside Village	85	15.26	100.26	2.50
Catholic Church	2	0.00	2.00	0.00
Commercial (3.22 Acre)	13	2.10	15.10	0.34
Snow Basin Lot (1.77 acre)	2	1.40	3.40	0.23
Dr. Samural Lot	2	1.40	3.40	0.23
Langeland Property (1.93 acre)	1	1.40	2.40	0.23
Legacy mountain	48	33.62	81.62	5.51
Totals	407	207.68	614.68	34.03

Lakeview Water Company serves the irrigation needs of many properties in this service area. However, some of the properties are provided irrigation water through South Bench Canal Company. See attached figure for location of the canal. There are also landscape restrictions on the single family lots defining the area (square footage, sf) that can be watered via the Lakeview Water System. Below is a summary of the irrigation restrictions under proposed conditions:

- 14 Valley Lake Lots have irrigation and are allowed up to 10,000 sf of landscaping each, including Shlaf Subd.
- 26 Valley Lake Lots have water shares from the South Bench Canal for Irrigation.
- 63 Edgewater Beach Resort Units have 3.78 acres irrigated (and 4.20 acres non-irrigated) landscaping total.
- The Catholic Church has water shares from the South Bench Canal for Irrigation.
- 21 Ski Lake Est. Lots are each allowed up to 10,000 sf of irrigated landscaping area.
- 54 Summit Lots are each allowed up to 5,000 sf of irrigated landscaping.
- 76 Chalets Lots are each allowed up to 4,000 sf of irrigated landscaping.
- Lakeside Village Condominiums have a combined 2.50 acres of irrigation landscaping.
- The Commercial Lot (Hotel) on 3.22 Acres is assumed to have 15,000 sf of Irrigation.
- The Snow Basin Lot and Dr. Samural's Lot are each assumed to have 10,000 sf of landscaping for irrigation.
- The Langeland Lot is allowed up to 10,000 sf of landscaping.
- The Legacy Mountain Estates Lots are each allowed up to 5,000 sf of irrigated landscaping.



The following formula was used to calculate ERCs for landscaped areas:

$$\# \text{ of lots} \cdot \left(\frac{\text{Irrigated Area.}(ft^2)}{\text{lot}} \right) \cdot \left(\frac{1 \text{ acre}}{43,560 ft^2} \right) \cdot \left(\frac{3.39 \text{ gpm}}{\text{ac}} \right) \cdot \left(\frac{1 \text{ ERC}}{\frac{5}{9} \text{ gpm}} \right) = \# \text{ of ERC's}$$

For an example, this formula is applied to Ski Lake Estates:

$$21 \text{ lots} \cdot \left(\frac{10,000. ft^2}{\text{lot}} \right) \cdot \left(\frac{1 \text{ acre}}{43,560 ft^2} \right) \cdot \left(\frac{3.39 \text{ gpm}}{\text{ac}} \right) \cdot \left(\frac{1 \text{ ERC}}{\frac{5}{9} \text{ gpm}} \right) = 29.42 \text{ ERC's}$$

The water system capacity is based on several factors, such as, Storage, Source, Water Rights and Distribution System. Each of these factors is adequate for buildout. The number of connections available based on each of these factors is listed below:

Storage (751,600 gallons available):

Residential units require 400 gallons of culinary use storage per connection.

Landscaping for Zone 3 requires 2528 gallons of storage for each irrigated acre.

Fire Department has also required 180,000 gallons of storage for fire protection. In order to provide this for the upper portions of the Legacy Mountain Estates, a reservoir was needed at a higher elevation. The new reservoir capacity is 250,000 gallons. Of this, 180,000 gallons can be used not only for fire suppression in the upper lots in Legacy Mountain, but can also be used for any other lot served by the water system. This renders the fire suppression storage in the Ski Lake reservoirs as excess.

Based on the criteria for storage, the three reservoirs can provide storage for:

180,000 gallons for fire protection, plus

904 culinary use connections at 400 gallons each and 83 acres of irrigated landscaping at 2528 gallons /acre, or some other combination of culinary/irrigation.

Since there will only be 407 Culinary Use ERCs and 34.03 irrigated acres at buildout, the Storage requirement is calculated to be: $407 (400) + 34.03 (2528) + 180,000 = 428,840$ gallons. The total Storage capacity between the three reservoirs (449,000 gallon, 52,600 gallon, and 250,000 gallon) is 751,600 gallons. Therefore, there is 322,760 gallons of excess capacity under buildout conditions.

Storage Capacity	= 751,600 gallons (449,000 gal., 52,600 gal., and 250,000 gal. Reservoirs)
Total Buildout Required	= <u>428,840 gallons</u>
Storage Excess	= 322,760 gallons



Source (370 gpm available – Note: only 2/3 of the test pump rates is used for available source calculation):

Residential units require a peak day demand of 800 gpd (0.556 gpm) per connection
Landscaping for Zone 3 requires a peak day demand of 3.39 gpm per irrigated acre.
Based on the criteria for source, the combined Mitchell Well and Bowden Well sources can provide:

440 culinary use ERCs at 0.556 gpm each, and

37 acres of irrigation landscaping at 3.39 gpm / acre or some combination of each.

This is more than adequate for buildout conditions, in which there will be only 407 culinary use ERCs and only 34.03 acres of irrigated landscaping.

Total Source Available = 370 gpm

Source Required at Buildout = 341.67 gpm

Excess Source = 28.33 gpm

Water Rights: (347 acre-feet)

Residential units require 146,000 gallons per year (0.448 ac-ft) per connection for culinary use.
Landscaping for Zone 3 requires 1.66 ac-ft per irrigated acre.

Based on the criteria for water rights, the current water rights can provide:

600 residential connections at 0.448 ac-ft each and

47 acres of irrigated landscaping at 1.66 ac-ft / acre or some combination of each

There are 108 ac-ft excess water rights under buildout conditions based upon 407 culinary use ERCs and 34.03 acres of landscaping.

Distribution System:

A flow analysis has been developed on the water system under buildout conditions. The software used was EPANET Version 2.2. This model shows an overall water master plan for the development served by the Water System. Waterlines shown in this analysis include existing lines and proposed lines. The proposed lines will serve the Legacy Mountain Estates development.

The analysis shows pressures, demands, and elevation at various nodes throughout the system. It also shows the diameter, flow, and velocity for the various pipes in the system. See the attached tables for individual pipe or node information. The locations of the pipes and nodes (junctions) are labeled on the attached figure.

The system was analyzed using peak demands at the nodes nearest the corresponding culinary/irrigation connections. Eleven scenarios were run with these values assuming fire protection use at one of eleven conservatively placed fire flows from strategic hydrant locations. The selected hydrant locations are labeled Hy1, Hy2, ..., Hy10, and Hy11 on the attached node map. See attachments for node locations and calculations.

Included with the model are several PRV stations. These are labeled as Valves 92, 86, 37, 73, 49, 52, 54 and are shown on the attached exhibit. These PRV stations separate the Water System into five different pressure zones, Zone 1 through Zone 5.



It is understood that the water pressures at Edgewater Beach are larger than preferred. These pressures can be accommodated in one of two ways: A single PRV on the main to the development, or double individual PRV's on the laterals inside each building. Double individual PRV's are also recommended for areas of higher pressure near the lower ends of Zone 4.

The Lakeview Water System has sufficient Storage, Source, Water Rights, and distribution infrastructure to accommodate the developments it serves.

As part of design requirements, pipe velocities are to be less than 10 fps in all water main lines. The standard sized 6" fire hydrant laterals are not included in this requirement and are up to 17 fps (during 1500 gpm use). For the main lines, only two sections of piping do not quite meet the requirement. These are the 8" main lines that serve Edgewater Beach and Lakeside Village (which experience velocities of 10.16 and 10.26 fps, respectively, during full 1500 gpm fire flow scenarios). These two areas of higher velocities during fire flows are existing waterlines that have been in place for 2 to 15 years. With only these two exceptions, the requirement is met for all water main lines in the System.

There are several lots to be served by the water system that have pending approval: 48 Lots in the Legacy Mountain Subdivision, 13 connections in the 3.22 acre Commercial (hotel) Parcel, 2 Lots (after a lot split) owned by the Samarel Family Investment Company, and 2 ERCs in the parcel owned by the Snowbasin Resort Company. This yields an equivalent of 65 ERCs in development which is pending final approval. Lakeview Water Company will allocate connections to the projects at its discretion and will control when the infrastructure additions will occur.

Please contact me if you have any questions or need further information.

Sincerely,
GREAT BASIN ENGINEERING, INC.

Mark E. Babbitt, P.E., P.L.S.

Updated by Ryan Bingham, P.E.




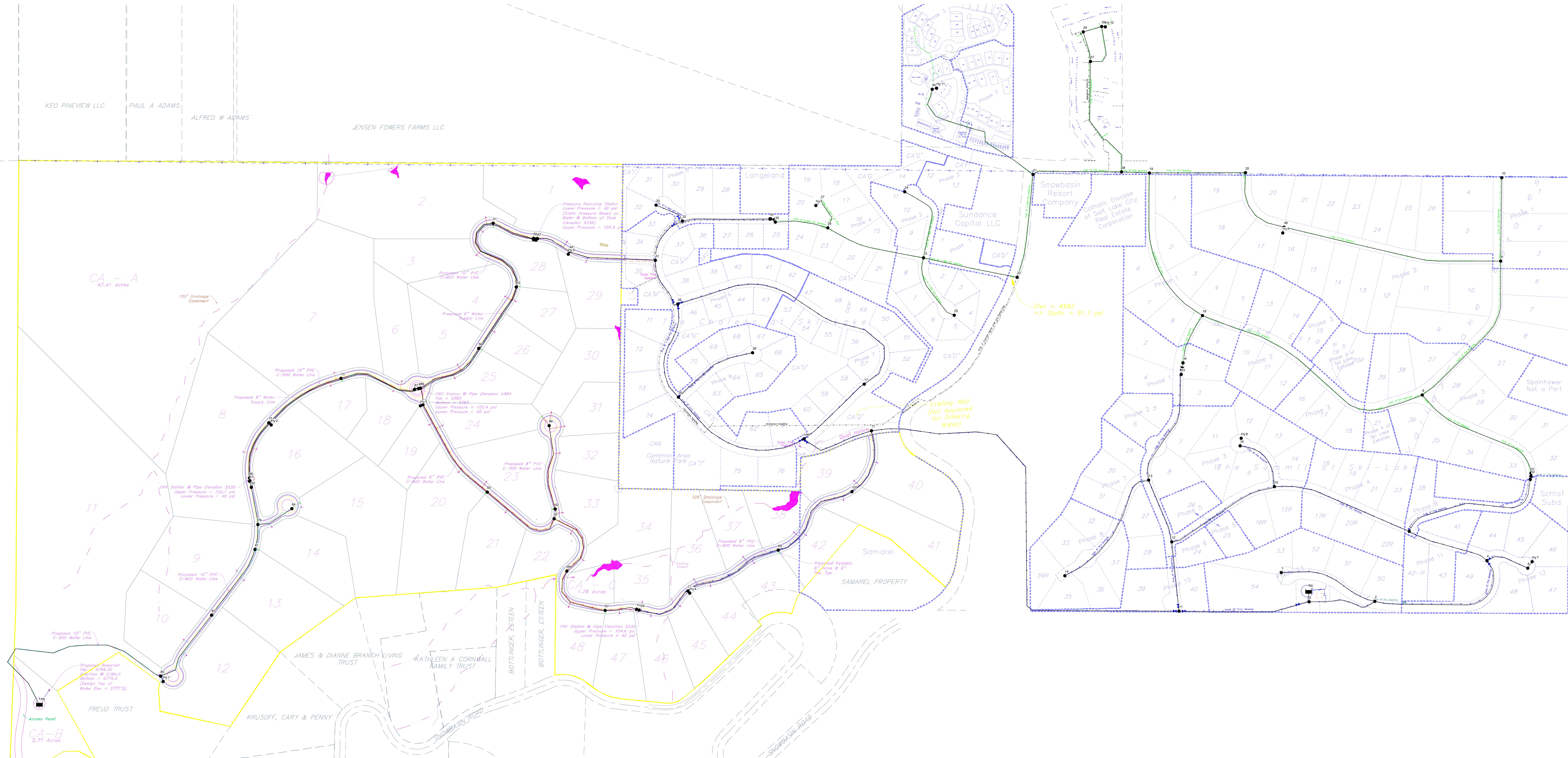


APPENDICES

- OVERALL WATER SYSTEM SITE MAP
- OVERALL WATER MODEL MAP
- CALCULATIONS
- NODE/LINK MAPS
- SUMMARY MAPS (Pressure/Demand/Velocity/Diameter)
- WATER PUMP CURVE
- MODEL RESULTS (See footers for individual analysis scenario)

Overall Water System Site Map





Overall Water Model Map (With Node Labels)

ERC = Equivalent Residential Connection

Total ERCs under Buildout Conditions

	Culinary Use	Landscape Use	Res + LS Use	Irrigated Area per lot (ft2)	
Ski Lake Estates -A	21	29.42	50.42	10,000	
Valley Lake Estates (Upper) -B	14	19.61	33.61	10,000	
Valley Lake Estates (Lower) -C	26	0.00	26.00	0	total
The Summit at Ski Lake -D	54	37.82	91.82	5,000	
The Chalets at Ski Lake -E	76	42.59	118.59	4,000	
Edgewater Beach Resort -F	63	23.07	86.07	164,657	total
Lakeside Village -G	85	15.26	100.26	108,900	total
Catholic Church -H	2	0	2.00	0	total
Commercial Property (3.22 acres) -I	13	2.10	15.10	15,000	total
Snow Basin Lot -J	2	1.40	3.40	10,000	total
Dr. Samaural -K	2	1.40	3.40	10,000	total
Langeland Property -L	1	1.40	2.40	10,000	total
Legacy mountain -M	48	33.62	81.62	5,000	
Totals	407	207.68	614.68	34 acres	

Combined Total	614.7	ERCs	
Peak Instantaneous Demand	657.90	gpm	$Q = 10.8 \cdot ERC^{0.64}$
Average Demand	341.8	gpm (based on (0.556 gpm per individual connection) gpm/ERC)	
Peaking Factor	1.925		

Area	%-age of Total	Peak Inst. Demand (gpm)	Peak Inst. Dmd. Per Res Use ERC
Ski Lake Estates -A	8.20%	53.96	2.57
Valley Lake Estates (Upper) -B	5.47%	35.97	2.57
Valley Lake Estates (Lower) -C	4.23%	27.83	1.07
The Summit at Ski Lake -D	14.94%	98.28	1.82
The Chalets at Ski Lake -E	19.29%	126.92	1.67
Edgewater Beach Resort -F	14.00%	92.12	1.46
Lakeside Village -G	16.31%	107.30	1.26
Catholic Church -H	0.33%	2.14	1.07
Commercial Property (3.22 acres) -I	2.46%	16.16	1.24
Snow Basin Lot -J	0.55%	3.64	1.82
Dr. Samaural -K	0.55%	3.64	1.82
Langeland Property -L	0.39%	2.57	2.57
Legacy mountain -M	13.28%	87.36	1.82

JUNCTIONS SERVING LOT CONNECTIONS/HYDRANTS

Resid. & Lndscp.
(gpm)

Junction	Area	# of Lots served	Peak Demand
1	D	3	5.46
2	D	3	5.46
3	D	0	0.00
4	D	4	7.28
5	D	5	9.10
6	D	3	5.46
7	B	6	15.42
8	A, B	13	33.41
9	C	9	9.63
10	C	3	3.21
11	D	3	5.46
12	D	3	5.46
13	D	7	12.74
14	D	7	12.74
15	D	8	14.56
16	D	4	7.28
17	E	13	21.71
18	A, D	18	43.25
19	A	2	5.14
20	C	3	3.21
21	I, J	15	19.80
23	E	4	6.68
24	E	5	8.35
25	E	5	8.35
26	E	6	10.02
27	E	4	6.68
29	G	25	31.56
30	E, L	2	4.24
31	E	2	3.34
32	E	6	10.02
33	E	4	6.68
34	E	12	20.04
35	E	8	13.36
36	E	6	10.02
37	G	30	37.87
38	H	2	2.14
39	G	30	37.87
40	F	63	92.12
46	C	11	11.77
49	M	2	3.64
51	M	3	5.46
53	M	2	3.64
56	M	2	3.64
58	M	2	3.64
60	M	3	5.46
62	M	1	1.82
64	M	1	1.82
66	M	3	5.46
67	M	1	1.82
69	M, K	6	10.92
71	M	5	9.10
73	M	2	3.64
75	M	2	3.64
79	M	1	1.82
81	M	2	3.64
83	M	1	1.82
85	M	2	3.64
89	M	3	5.46
97	M	1	1.82
99	M	2	3.64
105	M	3	5.46
Hy1	M	0	0.00
Hy2	M	0	0.00
Hy3	M	0	0.00
Hy4	M	0	0.00
Hy5	M	0	0.00
Hy6	E	0	0.00
Hy7	D	0	0.00
Hy8	D	0	0.00
Hy9	C	0	0.00
Hy10	G	0	0.00
Hy11	F	0	0.00

	Legacy	All Dev.
Mtn Only	at Buildout	
Total # of ERCs	48	407
Storage Req. per ERC	400	400
Irrigated Acre Totals =	5.51	34.03
Storage Requirement per irr acre =	2528	2528
Fire Protection Requirement	180000	180000

Total Requirement	213128	428840	gallons
Total Provided	250000	751600	gallons
Excess Capacity	36872	322760	gallons

	Legacy	All Dev.
Mtn Only	at Buildout	
Total # of ERCs	48	407
Source Req. per conn	0.556	0.556
Irrigated Acre Totals =	5.51	34.03
Source Requirement per irr acre =	3.39	3.39

Total Requirement	45.37	341.67	gpm
Total Provided	0	370	gpm
Excess Source	-45.37	28.33	gpm

	Legacy	All Dev.
Mtn Only	at Buildout	
Total # of ERCs	48	407
Wat Rights Req. per conn	0.448	0.448
Irrigated Acre Totals =	5.51	34.03
Water Rights Requirement per irr acre =	1.66	1.66

Total Requirement	30.65	238.83	ac-ft
Available	44	347	ac-ft
Excess Rights	13.35	108.17	ac-ft



Node Label Map

Note: Areas circled in red on this page are enlarged views for locations they point to.



Link (Pipe) Label Map

Note: Areas circled in red on this page are enlarged views for locations they point to.

Base Demand

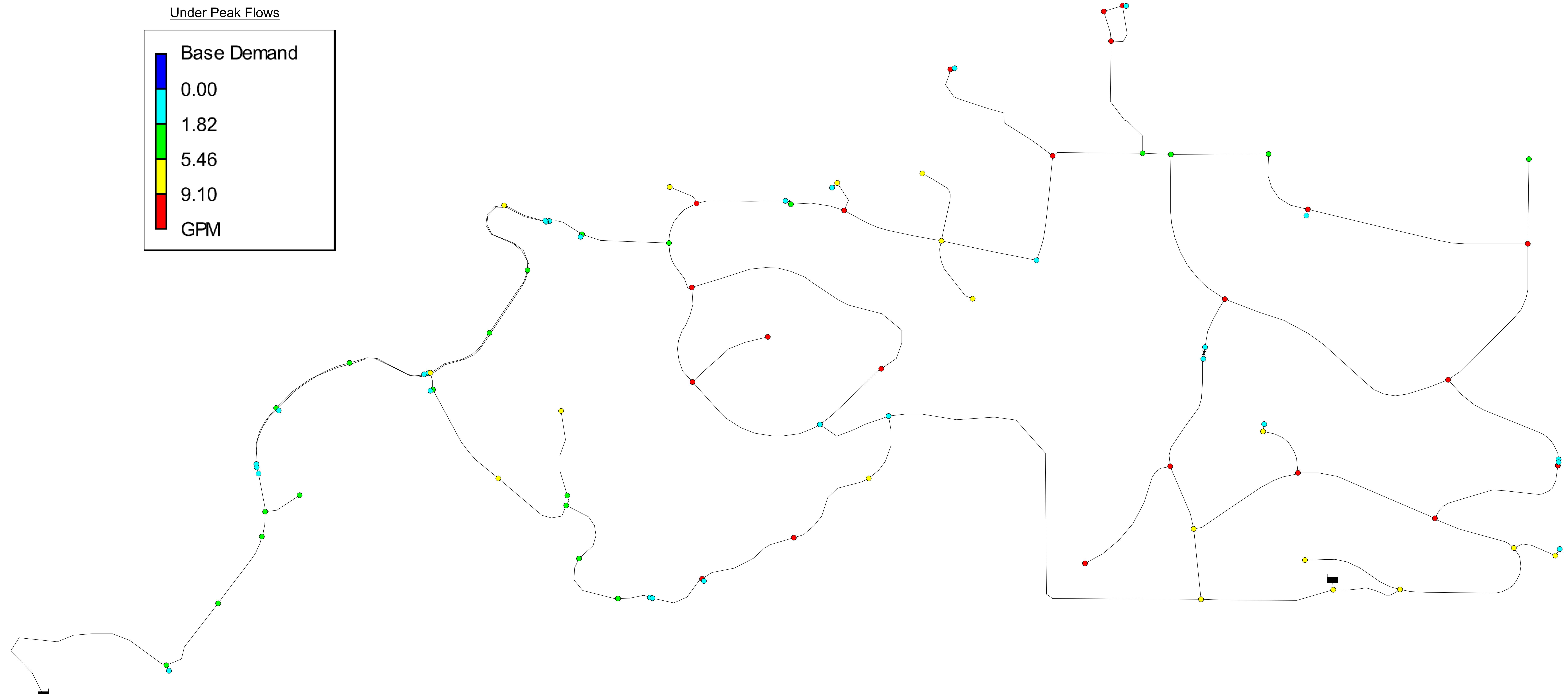
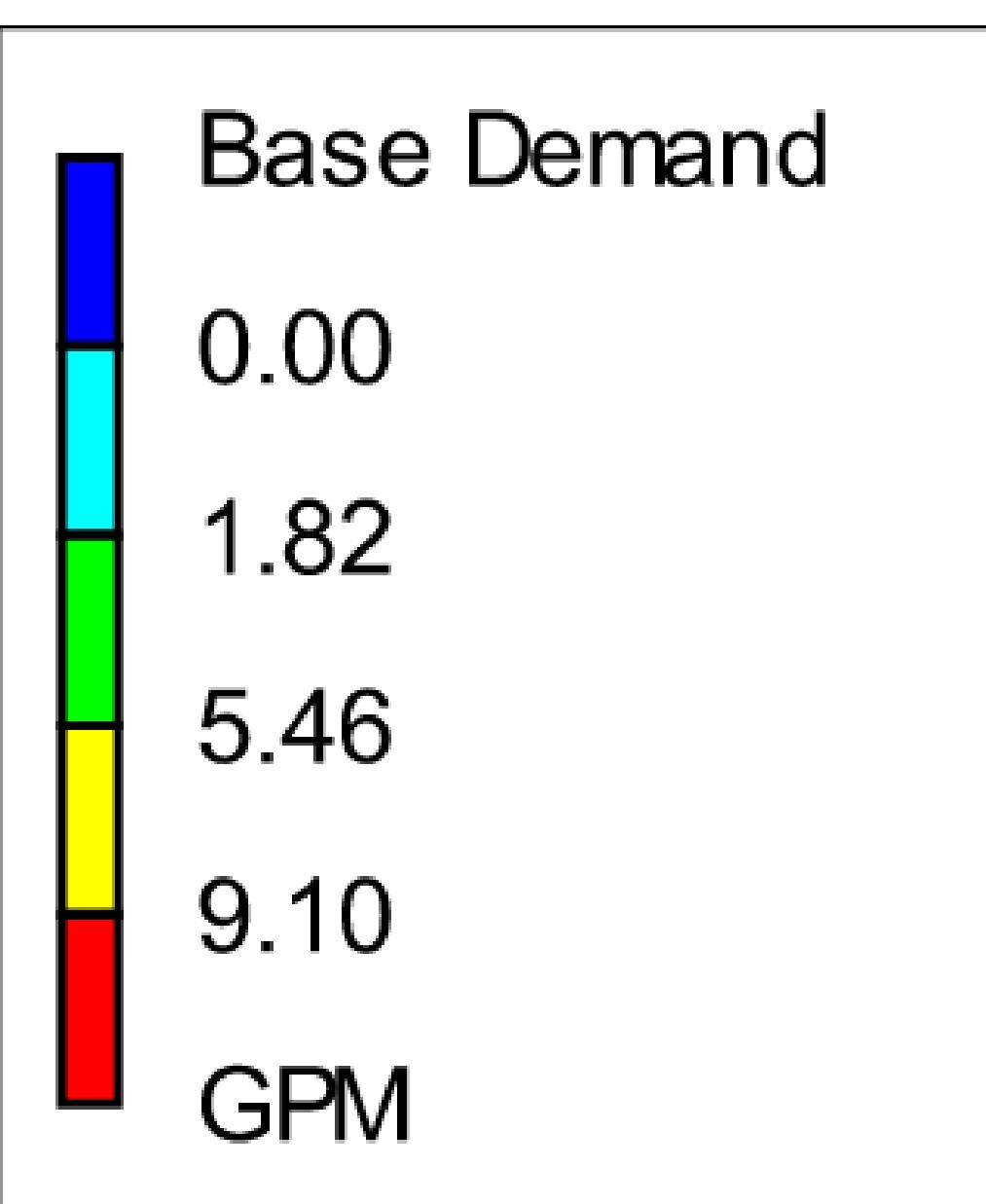
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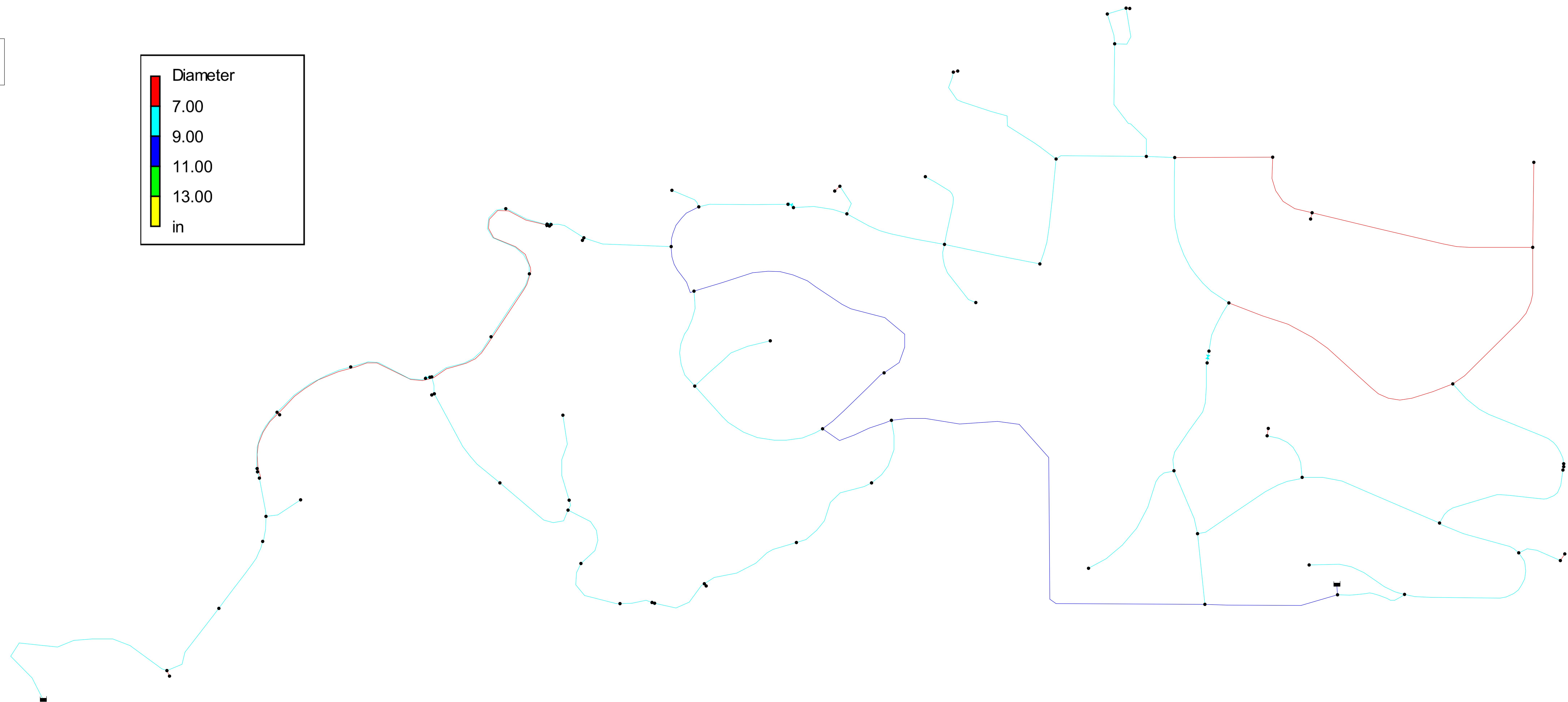
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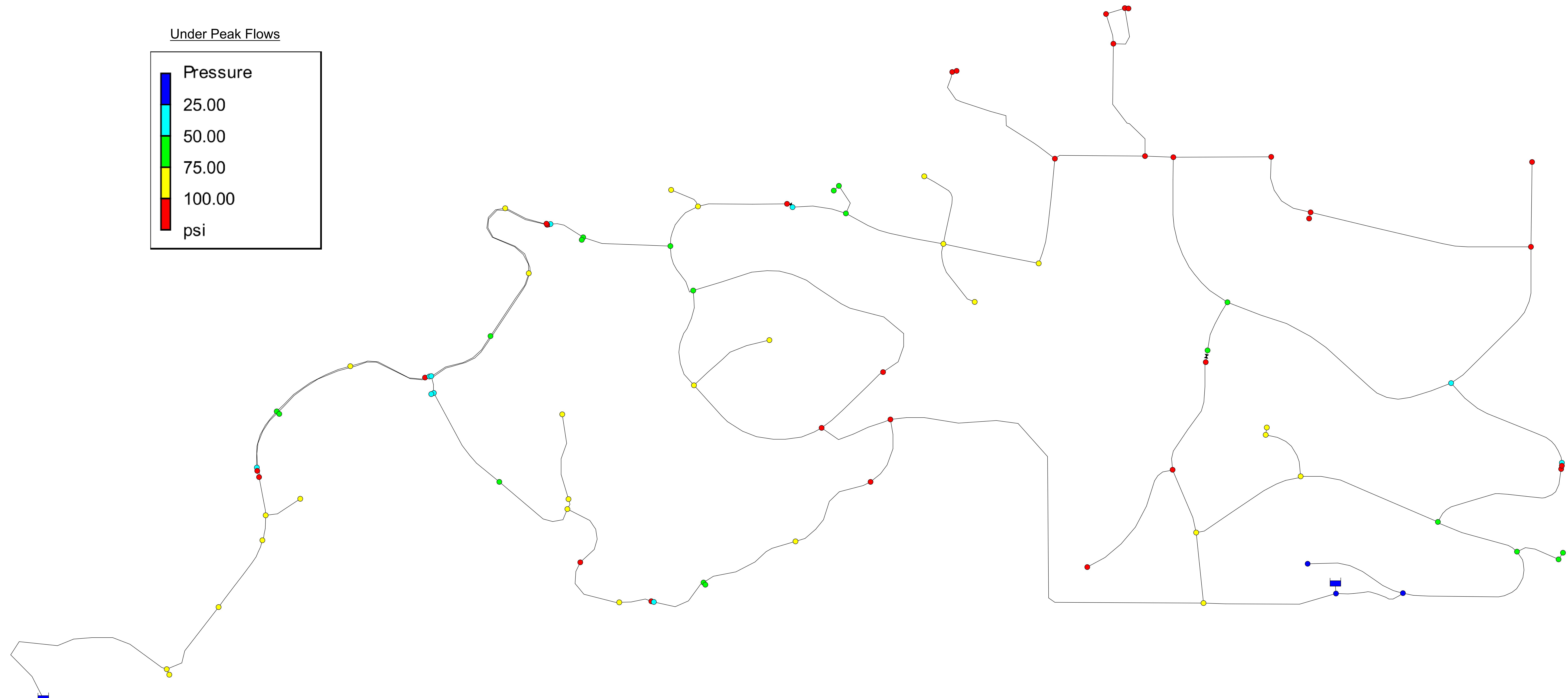
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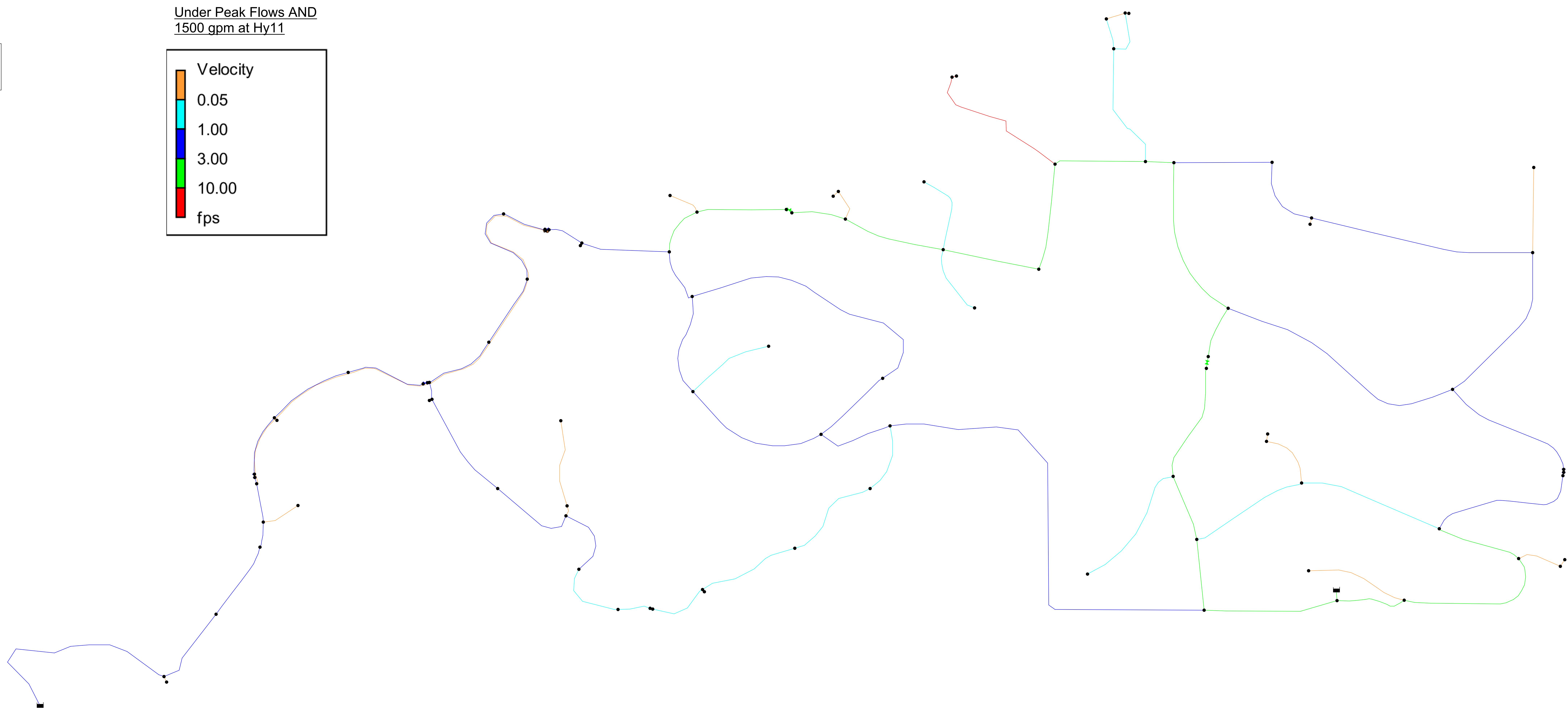
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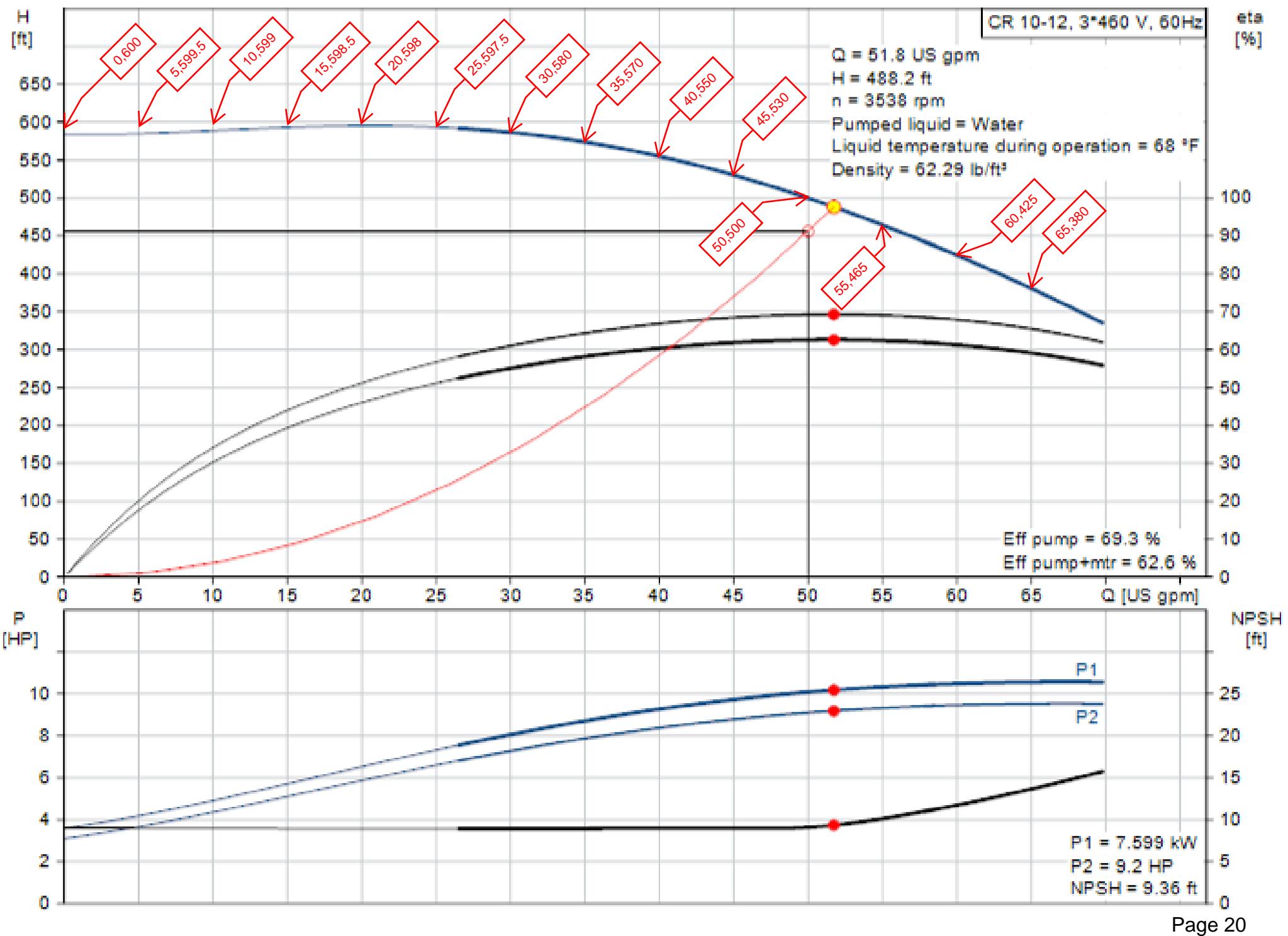
GPM

Under Peak Flows









Network Table - Links

Link ID	Length ft	Diameter in	Flow GPM	Velocity fps
Pipe 87	10.64	8	-41.86	0.27
Pipe 48	21.00	8	-96.75	0.62
Pipe 144	39.99	8	-49.14	0.31
Pipe 2	61.35	10	596.02	2.43
Pipe 67	63.53	8	7.28	0.05
Pipe 62	101.72	8	23.66	0.15
Pipe 24	115.66	8	7.31	0.05
Pipe 122	149.18	8	-52.78	0.34
Pipe 43	166.48	8	-161.13	1.03
Pipe 8	181.15	8	38.87	0.25
Pipe 30	185.79	8	-6.68	0.04
Pipe 34	193.20	8	-6.68	0.04
Pipe 121	225.62	8	-49.14	0.31
Pipe 58	230.55	8	1.82	0.01
Pipe 6	263.11	8	5.46	0.03
Pipe 46	291.03	8	30.56	0.20
Pipe 32	304.93	10	121.25	0.50
Pipe 51	309.11	8	174.00	1.11
Pipe 33	318.47	8	100.31	0.64
Pipe 31	322.75	10	128.23	0.52
Pipe 16	357.90	8	-7.28	0.05
Pipe 57	363.93	8	-49.15	0.31
Pipe 14	393.54	8	199.48	1.27
Pipe 3	410.73	8	181.68	1.16
Pipe 75	415.29	8	-25.49	0.16
Pipe 13	415.65	8	190.04	1.21
Pipe 27	417.99	8	-8.35	0.05
Pipe 71	426.97	8	1.82	0.01
Pipe 152	432.37	8	-9.10	0.06
Pipe 153	435.94	8	-12.74	0.08

Link ID	Length ft	Diameter in	Flow GPM	Velocity fps
Pipe 70	441.99	8	5.46	0.03
Pipe 76	448.07	10	-193.36	0.79
Pipe 19	460.22	6	-24.03	0.27
Pipe 117	465.58	8	-41.87	0.27
Pipe 123	473.05	8	-56.42	0.36
Pipe 28	487.24	8	-8.35	0.05
Pipe 78	488.66	10	116.87	0.48
Pipe 124	491.90	8	-58.24	0.37
Pipe 10	498.18	6	3.21	0.04
Pipe 5	500.74	8	-158.01	1.01
Pipe 156	512.22	8	5.46	0.03
Pipe 159	514.91	8	-45.51	0.29
Pipe 36	515.54	8	3.64	0.02
Pipe 53	520.67	8	104.55	0.67
Pipe 155	521.66	8	14.56	0.09
Pipe 40	529.35	8	10.02	0.06
Pipe 42	533.57	8	-51.69	0.33
Pipe 26	569.39	8	60.23	0.38
Pipe 22	571.78	6	-20.82	0.24
Pipe 151	573.99	8	-5.46	0.03
Pipe 158	598.08	8	-20.03	0.13
Pipe 39	599.91	8	-53.11	0.34
Pipe 1	601.77	8	-5.46	0.03
Pipe 157	602.61	8	-9.11	0.06
Pipe 29	603.15	8	83.61	0.53
Pipe 25	624.05	8	-60.23	0.38
Pipe 154	656.51	8	20.02	0.13
Pipe 50	687.56	8	174.00	1.11
Pipe 15	703.15	8	-14.90	0.10
Pipe 44	740.57	8	107.30	0.68
Pipe 12	782.87	10	-414.35	1.69

Link ID	Length ft	Diameter in	Flow GPM	Velocity fps
Pipe 11	797.73	8	-12.74	0.08
Pipe 45	831.10	8	-96.75	0.62
Pipe 17	854.81	8	-36.74	0.23
Pipe 77	877.31	8	-76.49	0.49
Pipe 47	890.32	8	-92.12	0.59
Pipe 7	892.08	8	112.17	0.72
Pipe 4	918.38	8	170.76	1.09
Pipe 21	969.22	8	-145.45	0.93
Pipe 9	988.80	6	48.65	0.55
Pipe 23	1314.02	6	-35.81	0.41
Pipe 60	1339.96	8	61.89	0.40
Pipe 20	1496.25	6	-14.69	0.17
Pipe 38	1624.72	10	-95.16	0.39
Pipe 69	2754.07	10	-218.84	0.89
Valve 92	#N/A	8	49.14	0.31
Valve 86	#N/A	8	41.87	0.27
Valve 54	#N/A	8	104.55	0.67
Valve 52	#N/A	8	174.00	1.11
Valve 49	#N/A	8	96.75	0.62

Network Table - Nodes

Node ID	Elevation ft	Base Demand GPM	Head ft	Pressure psi
Junc 83	5571	1.82	5777.34	89.41
Junc 64	5579	1.82	5777.29	85.92
Junc 97	5263	1.82	5481.30	94.59
Junc 79	5559	1.82	5777.29	94.58
Junc 62	5261	1.82	5481.30	95.46
Junc 67	5254	1.82	5481.30	98.49
Junc 38	4952	2.14	5201.57	108.14
Junc 20	4941	3.21	5201.69	112.96
Junc 10	4923	3.21	5201.90	120.85
Junc 31	5184	3.34	5344.10	69.37
Junc 53	5302	3.64	5481.31	77.70
Junc 73	5443	3.64	5631.27	81.58
Junc 85	5602	3.64	5777.38	75.99
Junc 56	5343	3.64	5481.31	59.93
Junc 81	5565	3.64	5777.30	91.99
Junc 49	5218	3.64	5344.10	54.64
Junc 75	5498	3.64	5631.29	57.76
Junc 58	5387	3.64	5481.31	40.87
Junc 99	5226	3.64	5481.30	110.62
Junc 30	5107	4.24	5201.81	41.08
Junc 19	4950	5.14	5201.66	109.04
Junc 2	5326	5.46	5345.85	8.60
Junc 60	5319	5.46	5481.31	70.33
Junc 6	5191	5.46	5345.29	66.85
Junc 66	5275	5.46	5481.30	89.39
Junc 89	5388	5.46	5481.31	40.43
Junc 105	5091	5.46	5344.41	109.80
Junc 12	5125	5.46	5345.00	95.32
Junc 11	5162	5.46	5345.30	79.42
Junc 51	5253	5.46	5481.31	98.93

Node ID	Elevation ft	Base Demand GPM	Head ft	Pressure psi
Junc 1	5309	5.46	5345.85	15.97
Junc 33	5134	6.68	5344.07	91.02
Junc 27	5063	6.68	5201.74	60.11
Junc 23	5023	6.68	5201.64	77.40
Junc 4	5222	7.28	5345.29	53.42
Junc 16	5153	7.28	5345.00	83.19
Junc 24	5000	8.35	5201.64	87.37
Junc 25	5025	8.35	5201.64	76.54
Junc 71	5203	9.1	5344.40	61.27
Junc 5	5186	9.1	5345.03	68.91
Junc 9	4926	9.63	5201.90	119.55
Junc 36	5160	10.02	5344.18	79.80
Junc 32	5140	10.02	5344.07	88.42
Junc 26	5073	10.02	5201.74	55.78
Junc 69	5132	10.92	5344.40	92.03
Junc 46	4934	11.77	5201.72	116.00
Junc 14	5093	12.74	5344.68	109.05
Junc 13	5100	12.74	5344.68	106.02
Junc 35	5137	13.36	5344.18	89.77
Junc 15	5167	14.56	5345.00	77.13
Junc 7	5101	15.42	5344.78	105.63
Junc 21	4963	19.8	5201.53	103.36
Junc 34	5179	20.04	5344.14	71.55
Junc 17	5082	21.71	5344.25	113.63
Junc 29	4936	31.56	5201.37	114.99
Junc 8	5110	33.41	5202.13	39.92
Junc 37	4941	37.87	5201.38	112.82
Junc 39	4937	37.87	5201.37	114.55
Junc 18	5030	43.25	5202.09	74.57
Junc 40	4952	92.12	5201.36	108.05

Network Table - Links

Link ID	Length ft	Diameter in	Flow GPM	Velocity fps
Pipe 87	10.64	8	-41.86	0.27
Pipe 48	21.00	8	-96.75	0.62
Pipe 142	35.43	6	1000.00	11.35
Pipe 144	39.99	8	-49.14	0.31
Pipe 2	61.35	10	596.01	2.43
Pipe 67	63.53	8	7.28	0.05
Pipe 62	101.72	8	23.66	0.15
Pipe 24	115.66	8	7.31	0.05
Pipe 122	149.18	8	-52.78	0.34
Pipe 43	166.48	8	-161.13	1.03
Pipe 8	181.15	8	38.87	0.25
Pipe 30	185.79	8	-6.68	0.04
Pipe 34	193.20	8	-6.68	0.04
Pipe 121	225.62	8	-49.14	0.31
Pipe 58	230.55	8	1.82	0.01
Pipe 6	263.11	8	5.46	0.03
Pipe 46	291.03	8	30.56	0.20
Pipe 32	304.93	10	121.25	0.50
Pipe 51	309.11	8	174.00	1.11
Pipe 33	318.47	8	100.31	0.64
Pipe 31	322.75	10	128.23	0.52
Pipe 16	357.90	8	-7.28	0.05
Pipe 57	363.93	8	-49.14	0.31
Pipe 14	393.54	8	199.48	1.27
Pipe 3	410.73	8	181.67	1.16
Pipe 75	415.29	8	-25.48	0.16
Pipe 13	415.65	8	190.04	1.21
Pipe 27	417.99	8	-8.35	0.05
Pipe 71	426.97	8	1.82	0.01
Pipe 152	432.37	8	-9.10	0.06

Link ID	Length ft	Diameter in	Flow GPM	Velocity fps
Pipe 153	435.94	8	-12.74	0.08
Pipe 70	441.99	8	5.46	0.03
Pipe 76	448.07	10	-193.36	0.79
Pipe 19	460.22	6	-24.03	0.27
Pipe 117	465.58	8	-41.87	0.27
Pipe 123	473.05	8	-56.42	0.36
Pipe 28	487.24	8	-8.35	0.05
Pipe 78	488.66	10	116.87	0.48
Pipe 124	491.90	8	-58.24	0.37
Pipe 10	498.18	6	3.21	0.04
Pipe 5	500.74	8	-158.01	1.01
Pipe 156	512.22	8	5.46	0.03
Pipe 159	514.91	8	-45.51	0.29
Pipe 36	515.54	8	3.64	0.02
Pipe 53	520.67	8	104.55	0.67
Pipe 155	521.66	8	14.56	0.09
Pipe 40	529.35	8	10.02	0.06
Pipe 42	533.57	8	-51.69	0.33
Pipe 26	569.39	8	60.23	0.38
Pipe 22	571.78	6	-20.82	0.24
Pipe 151	573.99	8	-5.46	0.03
Pipe 158	598.08	8	-20.02	0.13
Pipe 39	599.91	8	-53.11	0.34
Pipe 1	601.77	8	-5.46	0.03
Pipe 157	602.61	8	-9.10	0.06
Pipe 29	603.15	8	83.61	0.53
Pipe 25	624.05	8	-60.23	0.38
Pipe 154	656.51	8	20.02	0.13
Pipe 50	687.56	8	174.00	1.11
Pipe 15	703.15	8	-14.90	0.10
Pipe 44	740.57	8	107.30	0.68

Link ID	Length ft	Diameter in	Flow GPM	Velocity fps
Pipe 12	782.87	10	-414.34	1.69
Pipe 11	797.73	8	-12.74	0.08
Pipe 45	831.10	8	-96.75	0.62
Pipe 17	854.81	8	-36.74	0.23
Pipe 77	877.31	8	-76.49	0.49
Pipe 47	890.32	8	-92.12	0.59
Pipe 7	892.08	8	112.17	0.72
Pipe 4	918.38	8	170.75	1.09
Pipe 21	969.22	8	-145.45	0.93
Pipe 9	988.80	6	48.65	0.55
Pipe 23	1314.02	6	-35.81	0.41
Pipe 60	1339.96	8	1061.88	6.78
Pipe 20	1496.25	6	-14.69	0.17
Pipe 38	1624.72	10	-95.16	0.39
Pipe 69	2754.07	10	-218.83	0.89
Valve 86	#N/A	8	41.87	0.27
Valve 92	#N/A	8	49.14	0.31
Valve 54	#N/A	8	104.55	0.67
Valve 52	#N/A	8	174.00	1.11
Valve 49	#N/A	8	96.75	0.62

Network Table - Nodes

Node ID	Elevation ft	Base Demand GPM	Head ft	Pressure psi
Junc 83	5571	1.82	5753.61	79.13
Junc 97	5263	1.82	5481.30	94.59
Junc 79	5559	1.82	5753.57	84.31
Junc 67	5254	1.82	5481.30	98.49
Junc 64	5579	1.82	5753.57	75.64
Junc 62	5261	1.82	5481.30	95.46
Junc 38	4952	2.14	5201.57	108.14
Junc 20	4941	3.21	5201.69	112.96
Junc 10	4923	3.21	5201.90	120.85
Junc 31	5184	3.34	5344.10	69.37
Junc 53	5302	3.64	5481.31	77.70
Junc 58	5387	3.64	5481.31	40.87
Junc 73	5443	3.64	5631.27	81.58
Junc 56	5343	3.64	5481.31	59.93
Junc 49	5218	3.64	5344.10	54.64
Junc 85	5602	3.64	5753.65	65.71
Junc 81	5565	3.64	5753.58	81.71
Junc 99	5226	3.64	5481.30	110.62
Junc 75	5498	3.64	5631.29	57.76
Junc 30	5107	4.24	5201.81	41.08
Junc 19	4950	5.14	5201.66	109.04
Junc 105	5091	5.46	5344.41	109.80
Junc 60	5319	5.46	5481.31	70.33
Junc 2	5326	5.46	5345.85	8.60
Junc 66	5275	5.46	5481.30	89.39
Junc 6	5191	5.46	5345.29	66.85
Junc 11	5162	5.46	5345.30	79.42
Junc 1	5309	5.46	5345.85	15.97
Junc 51	5253	5.46	5481.31	98.93
Junc 89	5388	5.46	5481.31	40.43

Node ID	Elevation ft	Base Demand GPM	Head ft	Pressure psi
Junc 12	5125	5.46	5345.00	95.32
Junc 33	5134	6.68	5344.07	91.02
Junc 27	5063	6.68	5201.74	60.11
Junc 23	5023	6.68	5201.64	77.40
Junc 16	5153	7.28	5345.00	83.19
Junc 4	5222	7.28	5345.29	53.42
Junc 24	5000	8.35	5201.64	87.37
Junc 25	5025	8.35	5201.64	76.54
Junc 71	5203	9.1	5344.40	61.27
Junc 5	5186	9.1	5345.03	68.91
Junc 9	4926	9.63	5201.90	119.55
Junc 26	5073	10.02	5201.74	55.78
Junc 32	5140	10.02	5344.07	88.42
Junc 36	5160	10.02	5344.18	79.80
Junc 69	5132	10.92	5344.40	92.03
Junc 46	4934	11.77	5201.72	116.00
Junc 14	5093	12.74	5344.68	109.05
Junc 13	5100	12.74	5344.68	106.02
Junc 35	5137	13.36	5344.18	89.77
Junc 15	5167	14.56	5345.00	77.13
Junc 7	5101	15.42	5344.78	105.63
Junc 21	4963	19.8	5201.53	103.36
Junc 34	5179	20.04	5344.14	71.55
Junc 17	5082	21.71	5344.25	113.63
Junc 29	4936	31.56	5201.37	114.99
Junc 8	5110	33.41	5202.13	39.92
Junc 37	4941	37.87	5201.38	112.82
Junc 39	4937	37.87	5201.37	114.55
Junc 18	5030	43.25	5202.09	74.57
Junc 40	4952	92.12	5201.36	108.05
Junc Hy1	5603	1000	5751.36	64.29

Network Table - Links

Link ID	Length ft	Diameter in	Flow GPM	Velocity fps
Pipe 87	10.64	8	-41.87	0.27
Pipe 160	20.71	6	1000.00	11.35
Pipe 48	21.00	8	-96.76	0.62
Pipe 144	39.99	8	-1049.14	6.70
Pipe 2	61.35	10	596.03	2.43
Pipe 67	63.53	8	7.28	0.05
Pipe 62	101.72	8	23.66	0.15
Pipe 24	115.66	8	7.31	0.05
Pipe 122	149.18	8	-1052.78	6.72
Pipe 43	166.48	8	-161.13	1.03
Pipe 8	181.15	8	38.87	0.25
Pipe 30	185.79	8	-6.68	0.04
Pipe 34	193.20	8	-6.68	0.04
Pipe 121	225.62	8	-1049.14	6.70
Pipe 58	230.55	8	1.82	0.01
Pipe 6	263.11	8	5.47	0.03
Pipe 46	291.03	8	30.56	0.20
Pipe 32	304.93	10	121.25	0.50
Pipe 51	309.11	8	174.00	1.11
Pipe 33	318.47	8	100.31	0.64
Pipe 31	322.75	10	128.23	0.52
Pipe 16	357.90	8	-7.29	0.05
Pipe 57	363.93	8	-1049.14	6.70
Pipe 14	393.54	8	199.48	1.27
Pipe 3	410.73	8	181.68	1.16
Pipe 75	415.29	8	-25.48	0.16
Pipe 13	415.65	8	190.05	1.21
Pipe 27	417.99	8	-8.35	0.05
Pipe 71	426.97	8	1.82	0.01
Pipe 152	432.37	8	-9.10	0.06

Link ID	Length ft	Diameter in	Flow GPM	Velocity fps
Pipe 153	435.94	8	-12.74	0.08
Pipe 70	441.99	8	5.46	0.03
Pipe 76	448.07	10	-193.36	0.79
Pipe 19	460.22	6	-24.04	0.27
Pipe 117	465.58	8	-41.86	0.27
Pipe 123	473.05	8	-1056.42	6.74
Pipe 28	487.24	8	-8.35	0.05
Pipe 78	488.66	10	116.88	0.48
Pipe 124	491.90	8	-1058.24	6.75
Pipe 10	498.18	6	3.21	0.04
Pipe 5	500.74	8	-158.02	1.01
Pipe 156	512.22	8	5.46	0.03
Pipe 159	514.91	8	-45.50	0.29
Pipe 36	515.54	8	3.64	0.02
Pipe 53	520.67	8	104.55	0.67
Pipe 155	521.66	8	14.56	0.09
Pipe 40	529.35	8	10.02	0.06
Pipe 42	533.57	8	-51.69	0.33
Pipe 26	569.39	8	60.23	0.38
Pipe 22	571.78	6	-20.83	0.24
Pipe 151	573.99	8	-5.46	0.03
Pipe 158	598.08	8	-20.02	0.13
Pipe 39	599.91	8	-53.11	0.34
Pipe 1	601.77	8	-5.46	0.03
Pipe 157	602.61	8	-9.10	0.06
Pipe 29	603.15	8	83.61	0.53
Pipe 25	624.05	8	-60.23	0.38
Pipe 154	656.51	8	20.02	0.13
Pipe 50	687.56	8	174.00	1.11
Pipe 15	703.15	8	-14.89	0.10
Pipe 44	740.57	8	107.30	0.68

Link ID	Length ft	Diameter in	Flow GPM	Velocity fps
Pipe 12	782.87	10	-414.35	1.69
Pipe 11	797.73	8	-12.74	0.08
Pipe 45	831.10	8	-96.75	0.62
Pipe 17	854.81	8	-36.74	0.23
Pipe 77	877.31	8	-76.49	0.49
Pipe 47	890.32	8	-92.12	0.59
Pipe 7	892.08	8	112.18	0.72
Pipe 4	918.38	8	170.76	1.09
Pipe 21	969.22	8	-145.44	0.93
Pipe 9	988.80	6	48.65	0.55
Pipe 23	1314.02	6	-35.81	0.41
Pipe 60	1339.96	8	1061.88	6.78
Pipe 20	1496.25	6	-14.69	0.17
Pipe 38	1624.72	10	-95.17	0.39
Pipe 69	2754.07	10	-218.84	0.89
Valve 92	#N/A	8	1049.14	6.70
Valve 86	#N/A	8	41.86	0.27
Valve 54	#N/A	8	104.55	0.67
Valve 52	#N/A	8	174.00	1.11
Valve 49	#N/A	8	96.76	0.62

Network Table - Nodes

Node ID	Elevation ft	Base Demand GPM	Head ft	Pressure psi
Junc 67	5254	1.82	5481.30	98.49
Junc 97	5263	1.82	5481.30	94.59
Junc 79	5559	1.82	5734.00	75.83
Junc 62	5261	1.82	5481.30	95.46
Junc 64	5579	1.82	5734.00	67.16
Junc 83	5571	1.82	5744.95	75.37
Junc 38	4952	2.14	5201.57	108.14
Junc 20	4941	3.21	5201.69	112.96
Junc 10	4923	3.21	5201.90	120.85
Junc 31	5184	3.34	5344.10	69.37
Junc 58	5387	3.64	5481.31	40.87
Junc 56	5343	3.64	5481.31	59.93
Junc 53	5302	3.64	5481.31	77.70
Junc 73	5443	3.64	5624.95	78.84
Junc 49	5218	3.64	5344.10	54.64
Junc 81	5565	3.64	5736.62	74.36
Junc 99	5226	3.64	5481.30	110.62
Junc 75	5498	3.64	5624.98	55.02
Junc 85	5602	3.64	5753.65	65.71
Junc 30	5107	4.24	5201.81	41.08
Junc 19	4950	5.14	5201.66	109.04
Junc 60	5319	5.46	5481.31	70.33
Junc 2	5326	5.46	5345.85	8.60
Junc 105	5091	5.46	5344.41	109.80
Junc 6	5191	5.46	5345.29	66.85
Junc 66	5275	5.46	5481.30	89.39
Junc 1	5309	5.46	5345.85	15.97
Junc 89	5388	5.46	5481.31	40.43
Junc 12	5125	5.46	5345.00	95.32
Junc 11	5162	5.46	5345.30	79.42

Node ID	Elevation ft	Base Demand GPM	Head ft	Pressure psi
Junc 51	5253	5.46	5481.31	98.93
Junc 27	5063	6.68	5201.74	60.11
Junc 23	5023	6.68	5201.64	77.40
Junc 33	5134	6.68	5344.07	91.02
Junc 16	5153	7.28	5345.00	83.19
Junc 4	5222	7.28	5345.29	53.42
Junc 24	5000	8.35	5201.64	87.37
Junc 25	5025	8.35	5201.64	76.54
Junc 71	5203	9.1	5344.40	61.27
Junc 5	5186	9.1	5345.03	68.91
Junc 9	4926	9.63	5201.90	119.55
Junc 26	5073	10.02	5201.74	55.78
Junc 32	5140	10.02	5344.07	88.42
Junc 36	5160	10.02	5344.18	79.80
Junc 69	5132	10.92	5344.40	92.03
Junc 46	4934	11.77	5201.72	116.00
Junc 14	5093	12.74	5344.68	109.05
Junc 13	5100	12.74	5344.68	106.02
Junc 35	5137	13.36	5344.18	89.77
Junc 15	5167	14.56	5345.00	77.13
Junc 7	5101	15.42	5344.78	105.63
Junc 21	4963	19.8	5201.53	103.36
Junc 34	5179	20.04	5344.14	71.55
Junc 17	5082	21.71	5344.25	113.63
Junc 29	4936	31.56	5201.37	114.99
Junc 8	5110	33.41	5202.13	39.92
Junc 37	4941	37.87	5201.38	112.82
Junc 39	4937	37.87	5201.37	114.55
Junc 18	5030	43.25	5202.09	74.57
Junc 40	4952	92.12	5201.36	108.05
Junc Hy2	5499	1000	5623.64	54.01

Network Table - Links

Link ID	Length ft	Diameter in	Flow GPM	Velocity fps
Pipe 87	10.64	8	-1041.86	6.65
Pipe 136	16.45	6	1000.00	11.35
Pipe 48	21.00	8	-96.76	0.62
Pipe 144	39.99	8	-1049.15	6.70
Pipe 2	61.35	10	596.03	2.43
Pipe 67	63.53	8	7.28	0.05
Pipe 62	101.72	8	1023.66	6.53
Pipe 24	115.66	8	7.31	0.05
Pipe 122	149.18	8	-1052.79	6.72
Pipe 43	166.48	8	-161.13	1.03
Pipe 8	181.15	8	38.87	0.25
Pipe 30	185.79	8	-6.68	0.04
Pipe 34	193.20	8	-6.68	0.04
Pipe 121	225.62	8	-1049.15	6.70
Pipe 58	230.55	8	1.82	0.01
Pipe 6	263.11	8	5.46	0.03
Pipe 46	291.03	8	30.56	0.20
Pipe 32	304.93	10	121.25	0.50
Pipe 51	309.11	8	174.00	1.11
Pipe 33	318.47	8	100.31	0.64
Pipe 31	322.75	10	128.23	0.52
Pipe 16	357.90	8	-7.29	0.05
Pipe 57	363.93	8	-1049.14	6.70
Pipe 14	393.54	8	199.48	1.27
Pipe 3	410.73	8	181.68	1.16
Pipe 75	415.29	8	-25.48	0.16
Pipe 13	415.65	8	190.04	1.21
Pipe 27	417.99	8	-8.35	0.05
Pipe 71	426.97	8	1.82	0.01
Pipe 152	432.37	8	-9.10	0.06

Link ID	Length ft	Diameter in	Flow GPM	Velocity fps
Pipe 153	435.94	8	-12.74	0.08
Pipe 70	441.99	8	5.46	0.03
Pipe 76	448.07	10	-193.36	0.79
Pipe 19	460.22	6	-24.04	0.27
Pipe 117	465.58	8	-1041.86	6.65
Pipe 123	473.05	8	-1056.43	6.74
Pipe 28	487.24	8	-8.35	0.05
Pipe 78	488.66	10	116.87	0.48
Pipe 124	491.90	8	-1058.25	6.75
Pipe 10	498.18	6	3.21	0.04
Pipe 5	500.74	8	-158.02	1.01
Pipe 156	512.22	8	5.46	0.03
Pipe 159	514.91	8	-1045.50	6.67
Pipe 36	515.54	8	3.64	0.02
Pipe 53	520.67	8	104.55	0.67
Pipe 155	521.66	8	14.56	0.09
Pipe 40	529.35	8	10.02	0.06
Pipe 42	533.57	8	-51.69	0.33
Pipe 26	569.39	8	60.23	0.38
Pipe 22	571.78	6	-20.83	0.24
Pipe 151	573.99	8	-5.46	0.03
Pipe 158	598.08	8	-20.02	0.13
Pipe 39	599.91	8	-53.11	0.34
Pipe 1	601.77	8	-5.46	0.03
Pipe 157	602.61	8	-9.10	0.06
Pipe 29	603.15	8	83.61	0.53
Pipe 25	624.05	8	-60.23	0.38
Pipe 154	656.51	8	20.02	0.13
Pipe 50	687.56	8	174.00	1.11
Pipe 15	703.15	8	-14.89	0.10
Pipe 44	740.57	8	107.30	0.68

Link ID	Length ft	Diameter in	Flow GPM	Velocity fps
Pipe 12	782.87	10	-414.35	1.69
Pipe 11	797.73	8	-12.74	0.08
Pipe 45	831.10	8	-96.75	0.62
Pipe 17	854.81	8	-36.74	0.23
Pipe 77	877.31	8	-76.49	0.49
Pipe 47	890.32	8	-92.12	0.59
Pipe 7	892.08	8	112.18	0.72
Pipe 4	918.38	8	170.76	1.09
Pipe 21	969.22	8	-145.44	0.93
Pipe 9	988.80	6	48.65	0.55
Pipe 23	1314.02	6	-35.81	0.41
Pipe 60	1339.96	8	1061.90	6.78
Pipe 20	1496.25	6	-14.69	0.17
Pipe 38	1624.72	10	-95.16	0.39
Pipe 69	2754.07	10	-218.84	0.89
Valve 86	#N/A	8	1041.86	6.65
Valve 92	#N/A	8	1049.15	6.70
Valve 54	#N/A	8	104.55	0.67
Valve 52	#N/A	8	174.00	1.11
Valve 49	#N/A	8	96.76	0.62

Network Table - Nodes

Node ID	Elevation ft	Base Demand GPM	Head ft	Pressure psi
Junc 67	5254	1.82	5479.43	97.68
Junc 97	5263	1.82	5479.43	93.78
Junc 79	5559	1.82	5734.00	75.83
Junc 62	5261	1.82	5479.43	94.65
Junc 64	5579	1.82	5734.00	67.16
Junc 83	5571	1.82	5744.95	75.37
Junc 38	4952	2.14	5201.57	108.14
Junc 20	4941	3.21	5201.69	112.96
Junc 10	4923	3.21	5201.90	120.85
Junc 31	5184	3.34	5344.10	69.37
Junc 81	5565	3.64	5736.62	74.36
Junc 53	5302	3.64	5481.13	77.62
Junc 56	5343	3.64	5481.13	59.85
Junc 85	5602	3.64	5753.65	65.71
Junc 99	5226	3.64	5479.43	109.81
Junc 49	5218	3.64	5344.10	54.64
Junc 58	5387	3.64	5479.44	40.05
Junc 75	5498	3.64	5624.98	55.02
Junc 73	5443	3.64	5616.08	74.99
Junc 30	5107	4.24	5201.81	41.08
Junc 19	4950	5.14	5201.66	109.04
Junc 66	5275	5.46	5479.43	88.58
Junc 105	5091	5.46	5344.41	109.80
Junc 6	5191	5.46	5345.29	66.85
Junc 60	5319	5.46	5479.43	69.52
Junc 51	5253	5.46	5481.13	98.85
Junc 12	5125	5.46	5345.00	95.32
Junc 1	5309	5.46	5345.85	15.97
Junc 2	5326	5.46	5345.85	8.60
Junc 89	5388	5.46	5481.13	40.35

Node ID	Elevation ft	Base Demand GPM	Head ft	Pressure psi
Junc 11	5162	5.46	5345.30	79.42
Junc 23	5023	6.68	5201.64	77.40
Junc 27	5063	6.68	5201.74	60.11
Junc 33	5134	6.68	5344.07	91.02
Junc 16	5153	7.28	5345.00	83.19
Junc 4	5222	7.28	5345.29	53.42
Junc 24	5000	8.35	5201.64	87.37
Junc 25	5025	8.35	5201.64	76.54
Junc 5	5186	9.1	5345.03	68.91
Junc 71	5203	9.1	5344.40	61.27
Junc 9	4926	9.63	5201.90	119.55
Junc 32	5140	10.02	5344.07	88.42
Junc 26	5073	10.02	5201.74	55.78
Junc 36	5160	10.02	5344.18	79.80
Junc 69	5132	10.92	5344.40	92.03
Junc 46	4934	11.77	5201.72	116.00
Junc 14	5093	12.74	5344.68	109.05
Junc 13	5100	12.74	5344.68	106.02
Junc 35	5137	13.36	5344.18	89.77
Junc 15	5167	14.56	5345.00	77.13
Junc 7	5101	15.42	5344.78	105.63
Junc 21	4963	19.8	5201.53	103.36
Junc 34	5179	20.04	5344.14	71.55
Junc 17	5082	21.71	5344.25	113.63
Junc 29	4936	31.56	5201.37	114.99
Junc 8	5110	33.41	5202.13	39.92
Junc 37	4941	37.87	5201.38	112.82
Junc 39	4937	37.87	5201.37	114.55
Junc 18	5030	43.25	5202.09	74.57
Junc 40	4952	92.12	5201.36	108.05
Junc Hy3	5387	1000	5478.38	39.59

Network Table - Links

Link ID	Length ft	Diameter in	Flow GPM	Velocity fps
Pipe 87	10.64	8	-657.01	4.19
Pipe 140	17.02	6	1000.00	11.35
Pipe 48	21.00	8	-96.75	0.62
Pipe 144	39.99	8	-664.29	4.24
Pipe 2	61.35	10	980.87	4.01
Pipe 67	63.53	8	7.28	0.05
Pipe 62	101.72	8	638.81	4.08
Pipe 24	115.66	8	7.31	0.05
Pipe 122	149.18	8	-667.93	4.26
Pipe 43	166.48	8	-161.13	1.03
Pipe 8	181.15	8	38.87	0.25
Pipe 30	185.79	8	-6.68	0.04
Pipe 72	191.06	8	615.15	3.93
Pipe 34	193.20	8	-6.68	0.04
Pipe 121	225.62	8	-664.29	4.24
Pipe 58	230.55	8	1.82	0.01
Pipe 6	263.11	8	5.46	0.03
Pipe 46	291.03	8	30.56	0.20
Pipe 32	304.93	10	121.25	0.50
Pipe 51	309.11	8	174.00	1.11
Pipe 33	318.47	8	100.31	0.64
Pipe 31	322.75	10	128.23	0.52
Pipe 74	352.71	8	615.15	3.93
Pipe 16	357.90	8	-7.29	0.05
Pipe 57	363.93	8	-664.29	4.24
Pipe 14	393.54	8	199.48	1.27
Pipe 3	410.73	8	253.99	1.62
Pipe 75	415.29	8	-410.33	2.62
Pipe 13	415.65	8	117.73	0.75
Pipe 27	417.99	8	-8.35	0.05

Link ID	Length ft	Diameter in	Flow GPM	Velocity fps
Pipe 71	426.97	8	616.97	3.94
Pipe 152	432.37	8	-9.10	0.06
Pipe 153	435.94	8	-12.74	0.08
Pipe 70	441.99	8	620.61	3.96
Pipe 76	448.07	10	-193.36	0.79
Pipe 19	460.22	6	-24.04	0.27
Pipe 117	465.58	8	-657.01	4.19
Pipe 123	473.05	8	-671.57	4.29
Pipe 28	487.24	8	-8.35	0.05
Pipe 78	488.66	10	116.87	0.48
Pipe 124	491.90	8	-673.39	4.30
Pipe 10	498.18	6	3.21	0.04
Pipe 5	500.74	8	-230.33	1.47
Pipe 156	512.22	8	5.46	0.03
Pipe 159	514.91	8	-660.65	4.22
Pipe 36	515.54	8	3.64	0.02
Pipe 53	520.67	8	104.55	0.67
Pipe 155	521.66	8	629.71	4.02
Pipe 40	529.35	8	10.02	0.06
Pipe 42	533.57	8	-51.69	0.33
Pipe 26	569.39	8	60.23	0.38
Pipe 22	571.78	6	-20.83	0.24
Pipe 151	573.99	8	-5.46	0.03
Pipe 158	598.08	8	-404.87	2.58
Pipe 39	599.91	8	-53.11	0.34
Pipe 1	601.77	8	-5.46	0.03
Pipe 157	602.61	8	-393.95	2.51
Pipe 29	603.15	8	83.61	0.53
Pipe 25	624.05	8	-60.23	0.38
Pipe 154	656.51	8	635.17	4.05
Pipe 50	687.56	8	174.00	1.11

Link ID	Length ft	Diameter in	Flow GPM	Velocity fps
Pipe 15	703.15	8	-87.21	0.56
Pipe 44	740.57	8	107.30	0.68
Pipe 12	782.87	10	-726.88	2.97
Pipe 11	797.73	8	-12.74	0.08
Pipe 45	831.10	8	-96.75	0.62
Pipe 17	854.81	8	-109.06	0.70
Pipe 77	877.31	8	-76.49	0.49
Pipe 47	890.32	8	-92.12	0.59
Pipe 7	892.08	8	112.17	0.72
Pipe 4	918.38	8	243.07	1.55
Pipe 21	969.22	8	-145.44	0.93
Pipe 9	988.80	6	48.65	0.55
Pipe 23	1314.02	6	-35.81	0.41
Pipe 60	1339.96	8	677.03	4.32
Pipe 20	1496.25	6	-14.69	0.17
Pipe 38	1624.72	10	-95.16	0.39
Pipe 69	2754.07	10	-603.69	2.47
Valve 73	#N/A	8	615.15	3.93
Valve 86	#N/A	8	657.01	4.19
Valve 92	#N/A	8	664.29	4.24
Valve 49	#N/A	8	96.75	0.62
Valve 52	#N/A	8	174.00	1.11
Valve 54	#N/A	8	104.55	0.67

Network Table - Nodes

Node ID	Elevation ft	Base Demand GPM	Head ft	Pressure psi
Junc 67	5254	1.82	5466.80	92.21
Junc 97	5263	1.82	5472.49	90.77
Junc 79	5559	1.82	5758.64	86.51
Junc 62	5261	1.82	5472.49	91.64
Junc 64	5579	1.82	5758.64	77.84
Junc 83	5571	1.82	5763.37	83.36
Junc 38	4952	2.14	5201.57	108.14
Junc 20	4941	3.21	5201.69	112.96
Junc 10	4923	3.21	5201.90	120.85
Junc 31	5184	3.34	5337.48	66.50
Junc 58	5387	3.64	5480.53	40.53
Junc 56	5343	3.64	5481.23	59.90
Junc 53	5302	3.64	5481.23	77.66
Junc 99	5226	3.64	5469.58	105.54
Junc 49	5218	3.64	5337.48	51.77
Junc 81	5565	3.64	5759.77	84.39
Junc 75	5498	3.64	5628.60	56.59
Junc 73	5443	3.64	5624.79	78.77
Junc 85	5602	3.64	5767.14	71.55
Junc 30	5107	4.24	5201.81	41.08
Junc 19	4950	5.14	5201.66	109.04
Junc 60	5319	5.46	5476.02	68.04
Junc 2	5326	5.46	5345.42	8.41
Junc 105	5091	5.46	5336.52	106.39
Junc 6	5191	5.46	5344.35	66.45
Junc 66	5275	5.46	5472.49	85.57
Junc 1	5309	5.46	5345.41	15.78
Junc 89	5388	5.46	5481.24	40.40
Junc 12	5125	5.46	5343.48	94.67
Junc 11	5162	5.46	5343.60	78.69

Node ID	Elevation ft	Base Demand GPM	Head ft	Pressure psi
Junc 51	5253	5.46	5481.23	98.89
Junc 27	5063	6.68	5201.74	60.11
Junc 23	5023	6.68	5201.64	77.40
Junc 33	5134	6.68	5337.45	88.15
Junc 16	5153	7.28	5343.60	82.59
Junc 4	5222	7.28	5344.35	53.01
Junc 24	5000	8.35	5201.64	87.37
Junc 25	5025	8.35	5201.64	76.54
Junc 71	5203	9.1	5333.03	56.34
Junc 5	5186	9.1	5343.82	68.39
Junc 9	4926	9.63	5201.90	119.55
Junc 26	5073	10.02	5201.74	55.78
Junc 32	5140	10.02	5337.45	85.55
Junc 36	5160	10.02	5337.56	76.94
Junc 69	5132	10.92	5334.74	87.85
Junc 46	4934	11.77	5201.72	116.00
Junc 14	5093	12.74	5343.16	108.39
Junc 13	5100	12.74	5343.16	105.36
Junc 35	5137	13.36	5337.56	86.90
Junc 15	5167	14.56	5343.60	76.52
Junc 7	5101	15.42	5343.58	105.11
Junc 21	4963	19.8	5201.53	103.36
Junc 34	5179	20.04	5337.52	68.69
Junc 17	5082	21.71	5337.63	110.77
Junc 29	4936	31.56	5201.37	114.99
Junc 8	5110	33.41	5202.13	39.92
Junc 37	4941	37.87	5201.38	112.82
Junc 39	4937	37.87	5201.37	114.55
Junc 18	5030	43.25	5202.09	74.57
Junc 40	4952	92.12	5201.36	108.05
Junc Hy4	5204	1000	5331.93	55.43

Network Table - Links

Link ID	Length ft	Diameter in	Flow GPM	Velocity fps
Pipe 87	10.64	8	-578.22	3.69
Pipe 56	18.41	6	1000.00	11.35
Pipe 48	21.00	8	-96.75	0.62
Pipe 144	39.99	8	-585.49	3.74
Pipe 2	61.35	10	1059.67	4.33
Pipe 67	63.53	8	7.28	0.05
Pipe 62	101.72	8	23.67	0.15
Pipe 24	115.66	8	7.31	0.05
Pipe 122	149.18	8	-589.14	3.76
Pipe 43	166.48	8	-161.13	1.03
Pipe 8	181.15	8	38.87	0.25
Pipe 30	185.79	8	-6.68	0.04
Pipe 34	193.20	8	-6.68	0.04
Pipe 55	213.03	8	-536.35	3.42
Pipe 121	225.62	8	-585.50	3.74
Pipe 58	230.55	8	1.82	0.01
Pipe 150	259.23	8	-536.35	3.42
Pipe 6	263.11	8	5.46	0.03
Pipe 46	291.03	8	30.56	0.20
Pipe 32	304.93	10	121.25	0.50
Pipe 51	309.11	8	174.00	1.11
Pipe 33	318.47	8	100.30	0.64
Pipe 31	322.75	10	591.88	2.42
Pipe 16	357.90	8	-7.28	0.05
Pipe 57	363.93	8	-585.49	3.74
Pipe 14	393.54	8	199.48	1.27
Pipe 3	410.73	8	269.43	1.72
Pipe 75	415.29	8	-25.48	0.16
Pipe 13	415.65	8	102.29	0.65
Pipe 27	417.99	8	-8.35	0.05

Link ID	Length ft	Diameter in	Flow GPM	Velocity fps
Pipe 71	426.97	8	1.82	0.01
Pipe 152	432.37	8	-545.45	3.48
Pipe 153	435.94	8	-549.09	3.50
Pipe 70	441.99	8	5.46	0.03
Pipe 76	448.07	10	-657.01	2.68
Pipe 19	460.22	6	-24.03	0.27
Pipe 117	465.58	8	-578.20	3.69
Pipe 123	473.05	8	-592.78	3.78
Pipe 28	487.24	8	-8.35	0.05
Pipe 78	488.66	10	393.47	1.61
Pipe 124	491.90	8	-594.60	3.80
Pipe 10	498.18	6	3.21	0.04
Pipe 5	500.74	8	-245.77	1.57
Pipe 156	512.22	8	5.46	0.03
Pipe 159	514.91	8	-581.84	3.71
Pipe 36	515.54	8	467.29	2.98
Pipe 53	520.67	8	104.55	0.67
Pipe 155	521.66	8	14.56	0.09
Pipe 40	529.35	8	10.02	0.06
Pipe 42	533.57	8	-51.69	0.33
Pipe 26	569.39	8	60.23	0.38
Pipe 22	571.78	6	-20.82	0.24
Pipe 151	573.99	8	-541.81	3.46
Pipe 158	598.08	8	-20.02	0.13
Pipe 39	599.91	8	-240.16	1.53
Pipe 1	601.77	8	-5.46	0.03
Pipe 157	602.61	8	-9.10	0.06
Pipe 29	603.15	8	83.61	0.53
Pipe 25	624.05	8	-60.23	0.38
Pipe 154	656.51	8	20.02	0.13
Pipe 50	687.56	8	174.00	1.11

Link ID	Length ft	Diameter in	Flow GPM	Velocity fps
Pipe 15	703.15	8	-102.65	0.66
Pipe 44	740.57	8	107.29	0.68
Pipe 12	782.87	10	-790.24	3.23
Pipe 11	797.73	8	-12.74	0.08
Pipe 45	831.10	8	-96.75	0.62
Pipe 17	854.81	8	-124.50	0.79
Pipe 77	877.31	8	-263.54	1.68
Pipe 47	890.32	8	-92.12	0.59
Pipe 7	892.08	8	112.17	0.72
Pipe 4	918.38	8	258.51	1.65
Pipe 21	969.22	8	-145.44	0.93
Pipe 9	988.80	6	48.65	0.55
Pipe 23	1314.02	6	-35.81	0.41
Pipe 60	1339.96	8	598.24	3.82
Pipe 20	1496.25	6	-14.69	0.17
Pipe 38	1624.72	10	-371.76	1.52
Pipe 69	2754.07	10	-682.49	2.79
Valve 37	#N/A	8	536.35	3.42
Valve 86	#N/A	8	578.20	3.69
Valve 92	#N/A	8	585.49	3.74
Valve 49	#N/A	8	96.75	0.62
Valve 52	#N/A	8	174.00	1.11
Valve 54	#N/A	8	104.55	0.67

Network Table - Nodes

Node ID	Elevation ft	Base Demand GPM	Head ft	Pressure psi
Junc 83	5571	1.82	5766.27	84.61
Junc 97	5263	1.82	5481.24	94.56
Junc 79	5559	1.82	5762.52	88.18
Junc 67	5254	1.82	5481.24	98.46
Junc 62	5261	1.82	5481.24	95.43
Junc 64	5579	1.82	5762.52	79.52
Junc 38	4952	2.14	5201.57	108.14
Junc 20	4941	3.21	5201.69	112.96
Junc 10	4923	3.21	5201.90	120.85
Junc 31	5184	3.34	5332.25	64.24
Junc 49	5218	3.64	5330.24	48.64
Junc 58	5387	3.64	5481.25	40.84
Junc 99	5226	3.64	5481.24	110.60
Junc 73	5443	3.64	5626.16	79.36
Junc 53	5302	3.64	5476.73	75.71
Junc 81	5565	3.64	5763.41	85.97
Junc 85	5602	3.64	5769.26	72.47
Junc 75	5498	3.64	5629.16	56.83
Junc 56	5343	3.64	5478.97	58.91
Junc 30	5107	4.24	5201.81	41.08
Junc 19	4950	5.14	5201.66	109.04
Junc 89	5388	5.46	5481.25	40.41
Junc 60	5319	5.46	5481.24	70.30
Junc 66	5275	5.46	5481.24	89.36
Junc 105	5091	5.46	5335.87	106.10
Junc 2	5326	5.46	5345.31	8.37
Junc 11	5162	5.46	5343.16	78.50
Junc 1	5309	5.46	5345.31	15.73
Junc 12	5125	5.46	5343.07	94.49
Junc 51	5253	5.46	5473.79	95.67

Node ID	Elevation ft	Base Demand GPM	Head ft	Pressure psi
Junc 6	5191	5.46	5344.11	66.34
Junc 33	5134	6.68	5332.22	85.89
Junc 23	5023	6.68	5201.64	77.40
Junc 27	5063	6.68	5201.74	60.11
Junc 16	5153	7.28	5343.23	82.43
Junc 4	5222	7.28	5344.11	52.91
Junc 24	5000	8.35	5201.64	87.37
Junc 25	5025	8.35	5201.64	76.54
Junc 71	5203	9.1	5335.86	57.57
Junc 5	5186	9.1	5343.52	68.25
Junc 9	4926	9.63	5201.90	119.55
Junc 26	5073	10.02	5201.74	55.78
Junc 32	5140	10.02	5332.22	83.29
Junc 36	5160	10.02	5333.59	75.21
Junc 69	5132	10.92	5335.86	88.33
Junc 46	4934	11.77	5201.72	116.00
Junc 14	5093	12.74	5342.75	108.22
Junc 13	5100	12.74	5342.75	105.18
Junc 35	5137	13.36	5333.59	85.18
Junc 15	5167	14.56	5343.23	76.36
Junc 7	5101	15.42	5343.27	104.98
Junc 21	4963	19.8	5201.53	103.36
Junc 34	5179	20.04	5332.91	66.69
Junc 17	5082	21.71	5334.30	109.32
Junc 29	4936	31.56	5201.37	114.99
Junc 8	5110	33.41	5202.13	39.92
Junc 37	4941	37.87	5201.38	112.82
Junc 39	4937	37.87	5201.37	114.55
Junc 18	5030	43.25	5202.09	74.57
Junc 40	4952	92.12	5201.36	108.05
Junc Hy5	5218	1000	5329.05	48.12

Network Table - Links

Link ID	Length ft	Diameter in	Flow GPM	Velocity fps
Pipe 87	10.64	8	-372.70	2.38
Pipe 48	21.00	8	-161.37	1.03
Pipe 144	39.99	8	-379.91	2.42
Pipe 64	41.01	6	1000.00	11.35
Pipe 2	61.35	10	1265.19	5.17
Pipe 67	63.53	8	7.28	0.05
Pipe 62	101.72	8	115.71	0.74
Pipe 24	115.66	8	7.31	0.05
Pipe 122	149.18	8	-383.55	2.45
Pipe 43	166.48	8	-378.57	2.42
Pipe 8	181.15	8	38.87	0.25
Pipe 30	185.79	8	-1006.68	6.43
Pipe 72	191.06	8	92.05	0.59
Pipe 34	193.20	8	-6.68	0.04
Pipe 55	213.03	8	-238.78	1.52
Pipe 121	225.62	8	-379.91	2.42
Pipe 58	230.55	8	1.82	0.01
Pipe 150	259.23	8	-238.78	1.52
Pipe 6	263.11	8	5.46	0.03
Pipe 46	291.03	8	30.56	0.20
Pipe 32	304.93	10	903.81	3.69
Pipe 51	309.11	8	326.82	2.09
Pipe 33	318.47	8	882.87	5.64
Pipe 31	322.75	10	672.01	2.75
Pipe 74	352.71	8	92.04	0.59
Pipe 16	357.90	8	-7.29	0.05
Pipe 57	363.93	8	-379.97	2.43
Pipe 14	393.54	8	352.30	2.25
Pipe 3	410.73	8	338.70	2.16
Pipe 75	415.29	8	66.56	0.42

Link ID	Length ft	Diameter in	Flow GPM	Velocity fps
Pipe 13	415.65	8	250.46	1.60
Pipe 27	417.99	8	-8.35	0.05
Pipe 71	426.97	8	93.87	0.60
Pipe 152	432.37	8	-247.88	1.58
Pipe 153	435.94	8	-251.52	1.61
Pipe 70	441.99	8	97.51	0.62
Pipe 76	448.07	10	-737.14	3.01
Pipe 19	460.22	6	-68.80	0.78
Pipe 117	465.58	8	-372.69	2.38
Pipe 123	473.05	8	-387.19	2.47
Pipe 28	487.24	8	-8.35	0.05
Pipe 78	488.66	10	441.30	1.80
Pipe 124	491.90	8	-389.01	2.48
Pipe 10	498.18	6	3.21	0.04
Pipe 5	500.74	8	-315.04	2.01
Pipe 156	512.22	8	5.46	0.03
Pipe 159	514.91	8	-376.33	2.40
Pipe 36	515.54	8	-235.15	1.50
Pipe 53	520.67	8	887.11	5.66
Pipe 155	521.66	8	106.61	0.68
Pipe 40	529.35	8	10.02	0.06
Pipe 42	533.57	8	-269.13	1.72
Pipe 26	569.39	8	-157.21	1.00
Pipe 22	571.78	6	-65.59	0.74
Pipe 151	573.99	8	-244.24	1.56
Pipe 158	598.08	8	72.02	0.46
Pipe 39	599.91	8	-272.45	1.74
Pipe 1	601.77	8	-5.46	0.03
Pipe 157	602.61	8	82.94	0.53
Pipe 29	603.15	8	-133.83	0.85
Pipe 25	624.05	8	157.21	1.00

Link ID	Length ft	Diameter in	Flow GPM	Velocity fps
Pipe 154	656.51	8	112.07	0.72
Pipe 50	687.56	8	326.82	2.09
Pipe 15	703.15	8	-107.30	0.68
Pipe 44	740.57	8	107.30	0.68
Pipe 12	782.87	10	-926.49	3.78
Pipe 11	797.73	8	-12.74	0.08
Pipe 45	831.10	8	-161.37	1.03
Pipe 17	854.81	8	-129.15	0.82
Pipe 77	877.31	8	-295.83	1.89
Pipe 47	890.32	8	-92.12	0.59
Pipe 7	892.08	8	176.79	1.13
Pipe 4	918.38	8	327.78	2.09
Pipe 21	969.22	8	-318.12	2.03
Pipe 9	988.80	6	93.41	1.06
Pipe 23	1314.02	6	-80.57	0.91
Pipe 60	1339.96	8	392.65	2.51
Pipe 20	1496.25	6	-34.55	0.39
Pipe 38	1624.72	10	-419.59	1.71
Pipe 69	2754.07	10	-670.58	2.74
Valve 73	#N/A	8	92.05	0.59
Valve 86	#N/A	8	372.69	2.38
Valve 92	#N/A	8	379.91	2.42
Valve 37	#N/A	8	238.78	1.52
Valve 49	#N/A	8	161.37	1.03
Valve 52	#N/A	8	326.82	2.09
Valve 54	#N/A	8	887.11	5.66

Network Table - Nodes

Node ID	Elevation ft	Base Demand GPM	Head ft	Pressure psi
Junc 83	5571	1.82	5772.36	87.25
Junc 97	5263	1.82	5480.94	94.44
Junc 79	5559	1.82	5770.66	91.71
Junc 67	5254	1.82	5480.77	98.26
Junc 62	5261	1.82	5480.94	95.30
Junc 64	5579	1.82	5770.66	83.05
Junc 38	4952	2.14	5199.38	107.19
Junc 20	4941	3.21	5200.05	112.25
Junc 10	4923	3.21	5201.06	120.48
Junc 31	5184	3.34	5330.51	63.48
Junc 49	5218	3.64	5331.08	49.00
Junc 58	5387	3.64	5481.26	40.84
Junc 99	5226	3.64	5480.85	110.43
Junc 73	5443	3.64	5629.01	80.60
Junc 53	5302	3.64	5480.23	77.23
Junc 81	5565	3.64	5771.06	89.29
Junc 85	5602	3.64	5773.72	74.41
Junc 75	5498	3.64	5630.35	57.35
Junc 56	5343	3.64	5480.75	59.69
Junc 30	5107	4.24	5201.81	41.08
Junc 19	4950	5.14	5199.82	108.25
Junc 89	5388	5.46	5481.29	40.42
Junc 60	5319	5.46	5481.08	70.23
Junc 66	5275	5.46	5480.94	89.24
Junc 105	5091	5.46	5335.08	105.76
Junc 2	5326	5.46	5344.86	8.17
Junc 11	5162	5.46	5342.09	78.03
Junc 1	5309	5.46	5344.86	15.54
Junc 12	5125	5.46	5341.58	93.84
Junc 51	5253	5.46	5479.56	98.17

Node ID	Elevation ft	Base Demand GPM	Head ft	Pressure psi
Junc 6	5191	5.46	5343.01	65.86
Junc 33	5134	6.68	5329.16	84.56
Junc 23	5023	6.68	5198.01	75.83
Junc 27	5063	6.68	5194.79	57.10
Junc 16	5153	7.28	5341.76	81.79
Junc 4	5222	7.28	5343.01	52.43
Junc 24	5000	8.35	5198.01	85.80
Junc 25	5025	8.35	5198.01	74.97
Junc 71	5203	9.1	5335.25	57.30
Junc 5	5186	9.1	5342.07	67.62
Junc 9	4926	9.63	5201.06	119.19
Junc 26	5073	10.02	5197.78	54.07
Junc 32	5140	10.02	5329.16	81.96
Junc 36	5160	10.02	5332.20	74.61
Junc 69	5132	10.92	5335.15	88.03
Junc 46	4934	11.77	5200.26	115.37
Junc 14	5093	12.74	5340.67	107.32
Junc 13	5100	12.74	5340.67	104.28
Junc 35	5137	13.36	5332.20	84.58
Junc 15	5167	14.56	5341.76	75.72
Junc 7	5101	15.42	5341.49	104.21
Junc 21	4963	19.8	5198.63	102.10
Junc 34	5179	20.04	5331.34	66.01
Junc 17	5082	21.71	5333.09	108.80
Junc 29	4936	31.56	5199.18	114.04
Junc 8	5110	33.41	5201.86	39.80
Junc 37	4941	37.87	5199.19	111.87
Junc 39	4937	37.87	5199.18	113.60
Junc 18	5030	43.25	5201.67	74.38
Junc 40	4952	92.12	5198.46	106.79
Junc Hy6	5063	1000	5192.13	55.95

Network Table - Links

Link ID	Length ft	Diameter in	Flow GPM	Velocity fps
Pipe 87	10.64	8	-41.86	0.27
Pipe 61	20	6	1000.00	11.35
Pipe 48	21.00	8	-96.76	0.62
Pipe 144	39.99	8	-49.14	0.31
Pipe 2	61.35	10	1596.02	6.52
Pipe 67	63.53	8	7.28	0.05
Pipe 62	101.72	8	23.66	0.15
Pipe 24	115.66	8	7.31	0.05
Pipe 122	149.18	8	-52.78	0.34
Pipe 43	166.48	8	-161.13	1.03
Pipe 8	181.15	8	38.87	0.25
Pipe 30	185.79	8	-6.69	0.04
Pipe 34	193.20	8	-6.68	0.04
Pipe 121	225.62	8	-49.14	0.31
Pipe 58	230.55	8	1.82	0.01
Pipe 6	263.11	8	1005.46	6.42
Pipe 46	291.03	8	30.56	0.20
Pipe 32	304.93	10	121.25	0.50
Pipe 51	309.11	8	174.00	1.11
Pipe 33	318.47	8	100.32	0.64
Pipe 31	322.75	10	128.23	0.52
Pipe 16	357.90	8	-7.28	0.05
Pipe 57	363.93	8	-49.15	0.31
Pipe 14	393.54	8	199.48	1.27
Pipe 3	410.73	8	736.21	4.70
Pipe 75	415.29	8	-25.49	0.16
Pipe 13	415.65	8	635.51	4.06
Pipe 27	417.99	8	-8.35	0.05
Pipe 71	426.97	8	1.82	0.01
Pipe 152	432.37	8	-9.10	0.06

Link ID	Length ft	Diameter in	Flow GPM	Velocity fps
Pipe 153	435.94	8	-12.74	0.08
Pipe 70	441.99	8	5.46	0.03
Pipe 76	448.07	10	-193.36	0.79
Pipe 19	460.22	6	-24.04	0.27
Pipe 117	465.58	8	-41.87	0.27
Pipe 123	473.05	8	-56.42	0.36
Pipe 28	487.24	8	-8.35	0.05
Pipe 78	488.66	10	116.87	0.48
Pipe 124	491.90	8	-58.24	0.37
Pipe 10	498.18	6	3.21	0.04
Pipe 5	500.74	8	287.45	1.83
Pipe 156	512.22	8	5.46	0.03
Pipe 159	514.91	8	-45.51	0.29
Pipe 36	515.54	8	3.64	0.02
Pipe 53	520.67	8	104.55	0.67
Pipe 155	521.66	8	14.56	0.09
Pipe 40	529.35	8	10.02	0.06
Pipe 42	533.57	8	-51.69	0.33
Pipe 26	569.39	8	60.23	0.38
Pipe 22	571.78	6	-20.83	0.24
Pipe 151	573.99	8	-5.46	0.03
Pipe 158	598.08	8	-20.03	0.13
Pipe 39	599.91	8	-53.11	0.34
Pipe 1	601.77	8	-5.46	0.03
Pipe 157	602.61	8	-9.11	0.06
Pipe 29	603.15	8	83.61	0.53
Pipe 25	624.05	8	-60.23	0.38
Pipe 154	656.51	8	20.02	0.13
Pipe 50	687.56	8	174.00	1.11
Pipe 15	703.15	8	430.57	2.75
Pipe 44	740.57	8	107.30	0.68

Link ID	Length ft	Diameter in	Flow GPM	Velocity fps
Pipe 12	782.87	10	-859.81	3.51
Pipe 11	797.73	8	-12.74	0.08
Pipe 45	831.10	8	-96.75	0.62
Pipe 17	854.81	8	408.73	2.61
Pipe 77	877.31	8	-76.49	0.49
Pipe 47	890.32	8	-92.12	0.59
Pipe 7	892.08	8	112.18	0.72
Pipe 4	918.38	8	725.29	4.63
Pipe 21	969.22	8	-145.45	0.93
Pipe 9	988.80	6	48.65	0.55
Pipe 23	1314.02	6	-35.81	0.41
Pipe 60	1339.96	8	61.88	0.39
Pipe 20	1496.25	6	-14.69	0.17
Pipe 38	1624.72	10	-95.16	0.39
Pipe 69	2754.07	10	-218.85	0.89
Valve 92	#N/A	8	49.14	0.31
Valve 86	#N/A	8	41.87	0.27
Valve 54	#N/A	8	104.55	0.67
Valve 52	#N/A	8	174.00	1.11
Valve 49	#N/A	8	96.76	0.62

Network Table - Nodes

Node ID	Elevation ft	Base Demand GPM	Head ft	Pressure psi
Junc 83	5571	1.82	5777.34	89.41
Junc 97	5263	1.82	5481.30	94.59
Junc 79	5559	1.82	5777.29	94.58
Junc 67	5254	1.82	5481.30	98.49
Junc 62	5261	1.82	5481.30	95.46
Junc 64	5579	1.82	5777.29	85.92
Junc 38	4952	2.14	5201.57	108.14
Junc 20	4941	3.21	5201.69	112.96
Junc 10	4923	3.21	5201.90	120.85
Junc 31	5184	3.34	5341.09	68.07
Junc 49	5218	3.64	5341.09	53.33
Junc 58	5387	3.64	5481.31	40.87
Junc 99	5226	3.64	5481.30	110.62
Junc 73	5443	3.64	5631.27	81.58
Junc 53	5302	3.64	5481.31	77.70
Junc 81	5565	3.64	5777.30	91.99
Junc 85	5602	3.64	5777.38	75.99
Junc 75	5498	3.64	5631.29	57.76
Junc 56	5343	3.64	5481.31	59.93
Junc 30	5107	4.24	5201.81	41.08
Junc 19	4950	5.14	5201.66	109.04
Junc 89	5388	5.46	5481.31	40.43
Junc 60	5319	5.46	5481.31	70.33
Junc 66	5275	5.46	5481.30	89.39
Junc 105	5091	5.46	5341.39	108.50
Junc 2	5326	5.46	5341.76	6.83
Junc 11	5162	5.46	5342.29	78.12
Junc 1	5309	5.46	5341.76	14.19
Junc 12	5125	5.46	5339.43	92.91
Junc 51	5253	5.46	5481.31	98.93

Node ID	Elevation ft	Base Demand GPM	Head ft	Pressure psi
Junc 6	5191	5.46	5329.46	59.99
Junc 33	5134	6.68	5341.05	89.72
Junc 23	5023	6.68	5201.64	77.40
Junc 27	5063	6.68	5201.74	60.11
Junc 16	5153	7.28	5337.08	79.76
Junc 4	5222	7.28	5333.69	48.40
Junc 24	5000	8.35	5201.64	87.37
Junc 25	5025	8.35	5201.64	76.54
Junc 71	5203	9.1	5341.39	59.96
Junc 5	5186	9.1	5334.48	64.34
Junc 9	4926	9.63	5201.90	119.55
Junc 26	5073	10.02	5201.74	55.78
Junc 32	5140	10.02	5341.05	87.12
Junc 36	5160	10.02	5341.17	78.50
Junc 69	5132	10.92	5341.39	90.73
Junc 46	4934	11.77	5201.72	116.00
Junc 14	5093	12.74	5339.11	106.64
Junc 13	5100	12.74	5339.11	103.61
Junc 35	5137	13.36	5341.17	88.47
Junc 15	5167	14.56	5337.08	73.70
Junc 7	5101	15.42	5334.24	101.06
Junc 21	4963	19.8	5201.53	103.36
Junc 34	5179	20.04	5341.13	70.25
Junc 17	5082	21.71	5341.24	112.33
Junc 29	4936	31.56	5201.37	114.99
Junc 8	5110	33.41	5202.13	39.92
Junc 37	4941	37.87	5201.38	112.82
Junc 39	4937	37.87	5201.37	114.55
Junc 18	5030	43.25	5202.09	74.57
Junc 40	4952	92.12	5201.36	108.05
Junc Hy7	5191	1000	5328.17	59.43

Network Table - Links

Link ID	Length ft	Diameter in	Flow GPM	Velocity fps
Pipe 87	10.64	8	-41.86	0.27
Pipe 63	20	6	1000.00	11.35
Pipe 48	21.00	8	-96.76	0.62
Pipe 144	39.99	8	-49.14	0.31
Pipe 2	61.35	10	1596.03	6.52
Pipe 67	63.53	8	7.28	0.05
Pipe 62	101.72	8	23.66	0.15
Pipe 24	115.66	8	7.31	0.05
Pipe 122	149.18	8	-52.79	0.34
Pipe 43	166.48	8	-161.13	1.03
Pipe 8	181.15	8	38.87	0.25
Pipe 30	185.79	8	-6.68	0.04
Pipe 34	193.20	8	-6.68	0.04
Pipe 121	225.62	8	-49.15	0.31
Pipe 58	230.55	8	1.82	0.01
Pipe 6	263.11	8	5.47	0.03
Pipe 46	291.03	8	30.56	0.20
Pipe 32	304.93	10	121.25	0.50
Pipe 51	309.11	8	174.00	1.11
Pipe 33	318.47	8	100.31	0.64
Pipe 31	322.75	10	128.24	0.52
Pipe 16	357.90	8	-1007.28	6.43
Pipe 57	363.93	8	-49.14	0.31
Pipe 14	393.54	8	199.48	1.27
Pipe 3	410.73	8	575.54	3.67
Pipe 75	415.29	8	-25.48	0.16
Pipe 13	415.65	8	796.18	5.08
Pipe 27	417.99	8	-8.35	0.05
Pipe 71	426.97	8	1.82	0.01
Pipe 152	432.37	8	-9.10	0.06

Link ID	Length ft	Diameter in	Flow GPM	Velocity fps
Pipe 153	435.94	8	-12.74	0.08
Pipe 70	441.99	8	5.46	0.03
Pipe 76	448.07	10	-193.37	0.79
Pipe 19	460.22	6	-24.04	0.27
Pipe 117	465.58	8	-41.87	0.27
Pipe 123	473.05	8	-56.43	0.36
Pipe 28	487.24	8	-8.35	0.05
Pipe 78	488.66	10	116.88	0.48
Pipe 124	491.90	8	-58.25	0.37
Pipe 10	498.18	6	3.21	0.04
Pipe 5	500.74	8	-551.87	3.52
Pipe 156	512.22	8	5.46	0.03
Pipe 159	514.91	8	-45.51	0.29
Pipe 36	515.54	8	3.64	0.02
Pipe 53	520.67	8	104.55	0.67
Pipe 155	521.66	8	14.56	0.09
Pipe 40	529.35	8	10.02	0.06
Pipe 42	533.57	8	-51.69	0.33
Pipe 26	569.39	8	60.23	0.38
Pipe 22	571.78	6	-20.83	0.24
Pipe 151	573.99	8	-5.46	0.03
Pipe 158	598.08	8	-20.02	0.13
Pipe 39	599.91	8	-53.11	0.34
Pipe 1	601.77	8	-5.46	0.03
Pipe 157	602.61	8	-9.10	0.06
Pipe 29	603.15	8	83.61	0.53
Pipe 25	624.05	8	-60.23	0.38
Pipe 154	656.51	8	20.02	0.13
Pipe 50	687.56	8	174.00	1.11
Pipe 15	703.15	8	591.25	3.77
Pipe 44	740.57	8	107.30	0.68

Link ID	Length ft	Diameter in	Flow GPM	Velocity fps
Pipe 12	782.87	10	-1020.49	4.17
Pipe 11	797.73	8	-12.74	0.08
Pipe 45	831.10	8	-96.75	0.62
Pipe 17	854.81	8	-430.59	2.75
Pipe 77	877.31	8	-76.49	0.49
Pipe 47	890.32	8	-92.12	0.59
Pipe 7	892.08	8	112.18	0.72
Pipe 4	918.38	8	564.62	3.60
Pipe 21	969.22	8	-145.45	0.93
Pipe 9	988.80	6	48.65	0.55
Pipe 23	1314.02	6	-35.81	0.41
Pipe 60	1339.96	8	61.89	0.40
Pipe 20	1496.25	6	-14.69	0.17
Pipe 38	1624.72	10	-95.17	0.39
Pipe 69	2754.07	10	-218.85	0.89
Valve 92	#N/A	8	49.14	0.31
Valve 86	#N/A	8	41.87	0.27
Valve 54	#N/A	8	104.55	0.67
Valve 52	#N/A	8	174.00	1.11
Valve 49	#N/A	8	96.76	0.62

Network Table - Nodes

Node ID	Elevation ft	Base Demand GPM	Head ft	Pressure psi
Junc 83	5571	1.82	5777.34	89.41
Junc 97	5263	1.82	5481.30	94.59
Junc 79	5559	1.82	5777.29	94.58
Junc 67	5254	1.82	5481.30	98.49
Junc 62	5261	1.82	5481.30	95.46
Junc 64	5579	1.82	5777.29	85.92
Junc 38	4952	2.14	5201.57	108.14
Junc 20	4941	3.21	5201.69	112.96
Junc 10	4923	3.21	5201.90	120.85
Junc 31	5184	3.34	5339.90	67.55
Junc 49	5218	3.64	5339.90	52.82
Junc 58	5387	3.64	5481.31	40.87
Junc 99	5226	3.64	5481.30	110.62
Junc 73	5443	3.64	5631.27	81.58
Junc 53	5302	3.64	5481.31	77.70
Junc 81	5565	3.64	5777.30	91.99
Junc 85	5602	3.64	5777.38	75.99
Junc 75	5498	3.64	5631.29	57.76
Junc 56	5343	3.64	5481.31	59.93
Junc 30	5107	4.24	5201.81	41.08
Junc 19	4950	5.14	5201.66	109.04
Junc 89	5388	5.46	5481.31	40.43
Junc 60	5319	5.46	5481.31	70.33
Junc 66	5275	5.46	5481.30	89.39
Junc 105	5091	5.46	5340.21	107.98
Junc 2	5326	5.46	5343.12	7.42
Junc 11	5162	5.46	5341.10	77.60
Junc 1	5309	5.46	5343.12	14.78
Junc 12	5125	5.46	5336.76	91.76
Junc 51	5253	5.46	5481.31	98.93

Node ID	Elevation ft	Base Demand GPM	Head ft	Pressure psi
Junc 6	5191	5.46	5338.04	63.71
Junc 33	5134	6.68	5339.87	89.20
Junc 23	5023	6.68	5201.64	77.40
Junc 27	5063	6.68	5201.74	60.11
Junc 16	5153	7.28	5326.76	75.29
Junc 4	5222	7.28	5338.04	50.28
Junc 24	5000	8.35	5201.64	87.37
Junc 25	5025	8.35	5201.64	76.54
Junc 71	5203	9.1	5340.20	59.45
Junc 5	5186	9.1	5335.39	64.73
Junc 9	4926	9.63	5201.90	119.55
Junc 26	5073	10.02	5201.74	55.78
Junc 32	5140	10.02	5339.87	86.60
Junc 36	5160	10.02	5339.98	77.98
Junc 69	5132	10.92	5340.20	90.21
Junc 46	4934	11.77	5201.72	116.00
Junc 14	5093	12.74	5336.44	105.48
Junc 13	5100	12.74	5336.45	102.45
Junc 35	5137	13.36	5339.98	87.95
Junc 15	5167	14.56	5332.53	71.72
Junc 7	5101	15.42	5335.14	101.45
Junc 21	4963	19.8	5201.53	103.36
Junc 34	5179	20.04	5339.94	69.73
Junc 17	5082	21.71	5340.05	111.81
Junc 29	4936	31.56	5201.37	114.99
Junc 8	5110	33.41	5202.13	39.92
Junc 37	4941	37.87	5201.38	112.82
Junc 39	4937	37.87	5201.37	114.55
Junc 18	5030	43.25	5202.09	74.57
Junc 40	4952	92.12	5201.36	108.05
Junc Hy8	5153	1000	5325.46	74.73

Network Table - Links

Link ID	Length ft	Diameter in	Flow GPM	Velocity fps
Pipe 87	10.64	8	-41.87	0.27
Pipe 68	20	6	1000.00	11.35
Pipe 48	21.00	8	-398.80	2.55
Pipe 144	39.99	8	-49.14	0.31
Pipe 2	61.35	10	1596.02	6.52
Pipe 67	63.53	8	7.28	0.05
Pipe 62	101.72	8	23.67	0.15
Pipe 24	115.66	8	7.31	0.05
Pipe 122	149.18	8	-52.78	0.34
Pipe 43	166.48	8	118.51	0.76
Pipe 8	181.15	8	38.87	0.25
Pipe 30	185.79	8	-6.68	0.04
Pipe 34	193.20	8	-6.68	0.04
Pipe 121	225.62	8	-49.14	0.31
Pipe 58	230.55	8	1.82	0.01
Pipe 6	263.11	8	5.46	0.03
Pipe 46	291.03	8	30.56	0.20
Pipe 32	304.93	10	400.90	1.64
Pipe 51	309.11	8	592.30	3.78
Pipe 33	318.47	8	379.96	2.43
Pipe 31	322.75	10	407.88	1.67
Pipe 16	357.90	8	-7.28	0.05
Pipe 57	363.93	8	-49.13	0.31
Pipe 14	393.54	8	617.79	3.94
Pipe 3	410.73	8	493.65	3.15
Pipe 75	415.29	8	-25.48	0.16
Pipe 13	415.65	8	598.42	3.82
Pipe 27	417.99	8	-8.35	0.05
Pipe 71	426.97	8	1.82	0.01
Pipe 152	432.37	8	-9.10	0.06

Link ID	Length ft	Diameter in	Flow GPM	Velocity fps
Pipe 153	435.94	8	-12.74	0.08
Pipe 70	441.99	8	5.46	0.03
Pipe 76	448.07	10	-473.01	1.93
Pipe 19	460.22	6	599.43	6.80
Pipe 117	465.58	8	-41.85	0.27
Pipe 123	473.05	8	-56.42	0.36
Pipe 28	487.24	8	-8.35	0.05
Pipe 78	488.66	10	283.63	1.16
Pipe 124	491.90	8	-58.24	0.37
Pipe 10	498.18	6	3.21	0.04
Pipe 5	500.74	8	-469.99	3.00
Pipe 156	512.22	8	5.46	0.03
Pipe 159	514.91	8	-45.49	0.29
Pipe 36	515.54	8	3.63	0.02
Pipe 53	520.67	8	384.20	2.45
Pipe 155	521.66	8	14.56	0.09
Pipe 40	529.35	8	10.02	0.06
Pipe 42	533.57	8	227.96	1.45
Pipe 26	569.39	8	339.88	2.17
Pipe 22	571.78	6	602.64	6.84
Pipe 151	573.99	8	-5.46	0.03
Pipe 158	598.08	8	-20.02	0.13
Pipe 39	599.91	8	-165.99	1.06
Pipe 1	601.77	8	-5.46	0.03
Pipe 157	602.61	8	-9.10	0.06
Pipe 29	603.15	8	363.26	2.32
Pipe 25	624.05	8	-339.88	2.17
Pipe 154	656.51	8	20.02	0.13
Pipe 50	687.56	8	592.31	3.78
Pipe 15	703.15	8	-24.83	0.16
Pipe 44	740.57	8	107.30	0.68

Link ID	Length ft	Diameter in	Flow GPM	Velocity fps
Pipe 12	782.87	10	-1102.36	4.50
Pipe 11	797.73	8	-12.74	0.08
Pipe 45	831.10	8	-398.81	2.55
Pipe 17	854.81	8	-46.67	0.30
Pipe 77	877.31	8	-189.37	1.21
Pipe 47	890.32	8	-92.12	0.59
Pipe 7	892.08	8	414.22	2.64
Pipe 4	918.38	8	482.73	3.08
Pipe 21	969.22	8	-489.26	3.12
Pipe 9	988.80	6	425.18	4.82
Pipe 23	1314.02	6	-412.34	4.68
Pipe 60	1339.96	8	61.88	0.39
Pipe 20	1496.25	6	59.79	0.68
Pipe 38	1624.72	10	-261.92	1.07
Pipe 69	2754.07	10	-498.49	2.04
Valve 92	#N/A	8	49.14	0.31
Valve 86	#N/A	8	41.85	0.27
Valve 54	#N/A	8	384.20	2.45
Valve 52	#N/A	8	592.31	3.78
Valve 49	#N/A	8	398.80	2.55

Network Table - Nodes

Node ID	Elevation ft	Base Demand GPM	Head ft	Pressure psi
Junc 83	5571	1.82	5777.34	89.41
Junc 97	5263	1.82	5481.30	94.59
Junc 79	5559	1.82	5777.29	94.58
Junc 67	5254	1.82	5481.30	98.49
Junc 62	5261	1.82	5481.30	95.46
Junc 64	5579	1.82	5777.29	85.92
Junc 38	4952	2.14	5196.37	105.88
Junc 20	4941	3.21	5181.84	104.36
Junc 10	4923	3.21	5186.78	114.30
Junc 31	5184	3.34	5334.44	65.19
Junc 49	5218	3.64	5334.44	50.45
Junc 58	5387	3.64	5481.31	40.87
Junc 99	5226	3.64	5481.30	110.62
Junc 73	5443	3.64	5631.27	81.58
Junc 53	5302	3.64	5481.31	77.70
Junc 81	5565	3.64	5777.30	91.99
Junc 85	5602	3.64	5777.38	75.99
Junc 75	5498	3.64	5631.29	57.76
Junc 56	5343	3.64	5481.31	59.93
Junc 30	5107	4.24	5201.81	41.08
Junc 19	4950	5.14	5196.31	106.73
Junc 89	5388	5.46	5481.31	40.43
Junc 60	5319	5.46	5481.31	70.33
Junc 66	5275	5.46	5481.30	89.39
Junc 105	5091	5.46	5336.35	106.31
Junc 2	5326	5.46	5343.70	7.67
Junc 11	5162	5.46	5340.43	77.31
Junc 1	5309	5.46	5343.70	15.03
Junc 12	5125	5.46	5337.87	92.24
Junc 51	5253	5.46	5481.31	98.93

Node ID	Elevation ft	Base Demand GPM	Head ft	Pressure psi
Junc 6	5191	5.46	5339.90	64.52
Junc 33	5134	6.68	5334.14	86.72
Junc 23	5023	6.68	5199.49	76.47
Junc 27	5063	6.68	5200.96	59.78
Junc 16	5153	7.28	5337.89	80.11
Junc 4	5222	7.28	5339.90	51.09
Junc 24	5000	8.35	5199.49	86.44
Junc 25	5025	8.35	5199.49	75.61
Junc 71	5203	9.1	5336.34	57.78
Junc 5	5186	9.1	5337.93	65.83
Junc 9	4926	9.63	5186.78	113.00
Junc 26	5073	10.02	5200.96	55.45
Junc 32	5140	10.02	5334.14	84.12
Junc 36	5160	10.02	5335.11	75.88
Junc 69	5132	10.92	5336.34	88.54
Junc 46	4934	11.77	5170.31	102.39
Junc 14	5093	12.74	5335.30	104.99
Junc 13	5100	12.74	5335.31	101.96
Junc 35	5137	13.36	5335.11	85.84
Junc 15	5167	14.56	5337.89	74.04
Junc 7	5101	15.42	5335.16	101.46
Junc 21	4963	19.8	5196.91	101.36
Junc 34	5179	20.04	5334.77	67.50
Junc 17	5082	21.71	5335.50	109.84
Junc 29	4936	31.56	5196.17	112.73
Junc 8	5110	33.41	5199.90	38.95
Junc 37	4941	37.87	5196.18	110.57
Junc 39	4937	37.87	5196.17	112.30
Junc 18	5030	43.25	5200.42	73.84
Junc 40	4952	92.12	5196.74	106.05
Junc Hy9	4934	1000	5169.02	101.83

Network Table - Links

Link ID	Length ft	Diameter in	Flow GPM	Velocity fps
Pipe 87	10.64	8	-326.51	2.08
Pipe 48	21.00	8	-368.74	2.35
Pipe 65	22.58	6	1500.00	17.02
Pipe 144	39.99	8	-333.78	2.13
Pipe 2	61.35	10	1811.37	7.40
Pipe 67	63.53	8	7.28	0.05
Pipe 62	101.72	8	175.12	1.12
Pipe 24	115.66	8	755.10	4.82
Pipe 122	149.18	8	-337.42	2.15
Pipe 43	166.48	8	-1078.62	6.88
Pipe 8	181.15	8	786.66	5.02
Pipe 30	185.79	8	-6.68	0.04
Pipe 72	191.06	8	151.46	0.97
Pipe 34	193.20	8	-6.68	0.04
Pipe 55	213.03	8	-133.19	0.85
Pipe 121	225.62	8	-333.78	2.13
Pipe 58	230.55	8	1.82	0.01
Pipe 150	259.23	8	-133.19	0.85
Pipe 6	263.11	8	5.46	0.03
Pipe 46	291.03	8	782.77	5.00
Pipe 32	304.93	10	703.76	2.87
Pipe 51	309.11	8	819.50	5.23
Pipe 33	318.47	8	682.82	4.36
Pipe 31	322.75	10	577.54	2.36
Pipe 74	352.71	8	151.45	0.97
Pipe 16	357.90	8	-7.28	0.05
Pipe 57	363.93	8	-333.80	2.13
Pipe 14	393.54	8	844.98	5.39
Pipe 3	410.73	8	558.18	3.56
Pipe 75	415.29	8	125.97	0.80

Link ID	Length ft	Diameter in	Flow GPM	Velocity fps
Pipe 13	415.65	8	731.03	4.67
Pipe 27	417.99	8	-8.35	0.05
Pipe 71	426.97	8	153.28	0.98
Pipe 152	432.37	8	-142.29	0.91
Pipe 153	435.94	8	-145.93	0.93
Pipe 70	441.99	8	156.92	1.00
Pipe 76	448.07	10	-642.67	2.63
Pipe 19	460.22	6	-211.54	2.40
Pipe 117	465.58	8	-326.51	2.08
Pipe 123	473.05	8	-341.06	2.18
Pipe 28	487.24	8	-8.35	0.05
Pipe 78	488.66	10	384.91	1.57
Pipe 124	491.90	8	-342.88	2.19
Pipe 10	498.18	6	3.21	0.04
Pipe 5	500.74	8	-534.51	3.41
Pipe 156	512.22	8	5.46	0.03
Pipe 159	514.91	8	-330.15	2.11
Pipe 36	515.54	8	-129.55	0.83
Pipe 53	520.67	8	687.06	4.39
Pipe 155	521.66	8	166.02	1.06
Pipe 40	529.35	8	10.02	0.06
Pipe 42	533.57	8	530.82	3.39
Pipe 26	569.39	8	642.74	4.10
Pipe 22	571.78	6	-208.33	2.36
Pipe 151	573.99	8	-138.65	0.88
Pipe 158	598.08	8	131.43	0.84
Pipe 39	599.91	8	-234.38	1.50
Pipe 1	601.77	8	-5.46	0.03
Pipe 157	602.61	8	142.35	0.91
Pipe 29	603.15	8	666.12	4.25
Pipe 25	624.05	8	-642.74	4.10

Link ID	Length ft	Diameter in	Flow GPM	Velocity fps
Pipe 154	656.51	8	171.48	1.09
Pipe 50	687.56	8	819.50	5.23
Pipe 15	703.15	8	-119.41	0.76
Pipe 44	740.57	8	1607.30	10.26
Pipe 12	782.87	10	-1253.20	5.12
Pipe 11	797.73	8	-12.74	0.08
Pipe 45	831.10	8	-368.74	2.35
Pipe 17	854.81	8	-141.25	0.90
Pipe 77	877.31	8	-257.76	1.65
Pipe 47	890.32	8	-92.12	0.59
Pipe 7	892.08	8	384.16	2.45
Pipe 4	918.38	8	547.26	3.49
Pipe 21	969.22	8	-875.44	5.59
Pipe 9	988.80	6	236.15	2.68
Pipe 23	1314.02	6	-223.31	2.53
Pipe 60	1339.96	8	346.52	2.21
Pipe 20	1496.25	6	-99.18	1.13
Pipe 38	1624.72	10	-363.20	1.48
Pipe 69	2754.07	10	-516.70	2.11
Valve 73	#N/A	8	151.46	0.97
Valve 86	#N/A	8	326.51	2.08
Valve 92	#N/A	8	333.78	2.13
Valve 37	#N/A	8	133.19	0.85
Valve 49	#N/A	8	368.74	2.35
Valve 52	#N/A	8	819.50	5.23
Valve 54	#N/A	8	687.06	4.39

Network Table - Nodes

Node ID	Elevation ft	Base Demand GPM	Head ft	Pressure psi
Junc 83	5571	1.82	5773.42	87.71
Junc 97	5263	1.82	5480.53	94.26
Junc 79	5559	1.82	5772.08	92.33
Junc 67	5254	1.82	5480.09	97.97
Junc 62	5261	1.82	5480.53	95.12
Junc 64	5579	1.82	5772.08	83.66
Junc 38	4952	2.14	5183.77	100.43
Junc 20	4941	3.21	5188.84	107.39
Junc 10	4923	3.21	5195.81	118.21
Junc 31	5184	3.34	5331.05	63.72
Junc 49	5218	3.64	5331.23	49.06
Junc 58	5387	3.64	5481.23	40.83
Junc 99	5226	3.64	5480.30	110.19
Junc 73	5443	3.64	5629.50	80.81
Junc 53	5302	3.64	5480.91	77.52
Junc 81	5565	3.64	5772.40	89.86
Junc 85	5602	3.64	5774.50	74.75
Junc 75	5498	3.64	5630.56	57.44
Junc 56	5343	3.64	5481.10	59.84
Junc 30	5107	4.24	5201.81	41.08
Junc 19	4950	5.14	5186.82	102.61
Junc 89	5388	5.46	5481.29	40.42
Junc 60	5319	5.46	5480.83	70.12
Junc 66	5275	5.46	5480.53	89.06
Junc 105	5091	5.46	5334.66	105.58
Junc 2	5326	5.46	5343.04	7.38
Junc 11	5162	5.46	5338.87	76.64
Junc 1	5309	5.46	5343.04	14.75
Junc 12	5125	5.46	5335.17	91.07
Junc 51	5253	5.46	5480.68	98.65

Node ID	Elevation ft	Base Demand GPM	Head ft	Pressure psi
Junc 6	5191	5.46	5338.25	63.80
Junc 33	5134	6.68	5330.19	85.01
Junc 23	5023	6.68	5194.78	74.43
Junc 27	5063	6.68	5199.31	59.06
Junc 16	5153	7.28	5335.39	79.03
Junc 4	5222	7.28	5338.25	50.37
Junc 24	5000	8.35	5194.78	84.40
Junc 25	5025	8.35	5194.78	73.57
Junc 71	5203	9.1	5335.14	57.26
Junc 5	5186	9.1	5335.75	64.89
Junc 9	4926	9.63	5195.81	116.91
Junc 26	5073	10.02	5199.31	54.73
Junc 32	5140	10.02	5330.19	82.41
Junc 36	5160	10.02	5332.32	74.67
Junc 69	5132	10.92	5334.88	87.91
Junc 46	4934	11.77	5190.52	111.15
Junc 14	5093	12.74	5330.58	102.94
Junc 13	5100	12.74	5330.58	99.91
Junc 35	5137	13.36	5332.32	84.63
Junc 15	5167	14.56	5335.39	72.96
Junc 7	5101	15.42	5333.34	100.67
Junc 21	4963	19.8	5186.40	96.80
Junc 34	5179	20.04	5331.67	66.15
Junc 17	5082	21.71	5333.01	108.76
Junc 29	4936	31.56	5153.52	94.25
Junc 8	5110	33.41	5200.22	39.09
Junc 37	4941	37.87	5155.37	92.89
Junc 39	4937	37.87	5152.43	93.34
Junc 18	5030	43.25	5198.88	73.18
Junc 40	4952	92.12	5186.23	101.49
Junc Hy10	4937	1500	5149.33	92.00

Network Table - Links

Link ID	Length ft	Diameter in	Flow GPM	Velocity fps
Pipe 87	10.64	8	-410.12	2.62
Pipe 48	21.00	8	-334.06	2.13
Pipe 66	26.46	6	1500.00	17.02
Pipe 144	39.99	8	-417.38	2.66
Pipe 2	61.35	10	1727.76	7.06
Pipe 67	63.53	8	7.28	0.05
Pipe 62	101.72	8	176.72	1.13
Pipe 24	115.66	8	7.31	0.05
Pipe 122	149.18	8	-421.03	2.69
Pipe 43	166.48	8	-961.50	6.14
Pipe 8	181.15	8	38.87	0.25
Pipe 30	185.79	8	-6.68	0.04
Pipe 72	191.06	8	153.05	0.98
Pipe 34	193.20	8	-6.68	0.04
Pipe 55	213.03	8	-215.21	1.37
Pipe 121	225.62	8	-417.39	2.66
Pipe 58	230.55	8	1.82	0.01
Pipe 150	259.23	8	-215.21	1.37
Pipe 6	263.11	8	5.46	0.03
Pipe 46	291.03	8	30.56	0.20
Pipe 32	304.93	10	820.89	3.35
Pipe 51	309.11	8	737.06	4.70
Pipe 33	318.47	8	799.94	5.11
Pipe 31	322.75	10	612.66	2.50
Pipe 74	352.71	8	153.05	0.98
Pipe 16	357.90	8	-7.28	0.05
Pipe 57	363.93	8	-417.41	2.66
Pipe 14	393.54	8	762.54	4.87
Pipe 3	410.73	8	521.66	3.33
Pipe 75	415.29	8	127.57	0.81

Link ID	Length ft	Diameter in	Flow GPM	Velocity fps
Pipe 13	415.65	8	650.42	4.15
Pipe 27	417.99	8	-8.35	0.05
Pipe 71	426.97	8	154.87	0.99
Pipe 152	432.37	8	-224.31	1.43
Pipe 153	435.94	8	-227.95	1.45
Pipe 70	441.99	8	158.51	1.01
Pipe 76	448.07	10	-677.79	2.77
Pipe 19	460.22	6	-187.68	2.13
Pipe 117	465.58	8	-410.12	2.62
Pipe 123	473.05	8	-424.67	2.71
Pipe 28	487.24	8	-8.35	0.05
Pipe 78	488.66	10	405.87	1.66
Pipe 124	491.90	8	-426.49	2.72
Pipe 10	498.18	6	3.21	0.04
Pipe 5	500.74	8	-498.00	3.18
Pipe 156	512.22	8	5.46	0.03
Pipe 159	514.91	8	-413.76	2.64
Pipe 36	515.54	8	-211.57	1.35
Pipe 53	520.67	8	804.19	5.13
Pipe 155	521.66	8	167.61	1.07
Pipe 40	529.35	8	10.02	0.06
Pipe 42	533.57	8	-852.06	5.44
Pipe 26	569.39	8	759.86	4.85
Pipe 22	571.78	6	-184.47	2.09
Pipe 151	573.99	8	-220.67	1.41
Pipe 158	598.08	8	133.03	0.85
Pipe 39	599.91	8	-248.53	1.59
Pipe 1	601.77	8	-5.46	0.03
Pipe 157	602.61	8	143.95	0.92
Pipe 29	603.15	8	783.24	5.00
Pipe 25	624.05	8	-759.86	4.85

Link ID	Length ft	Diameter in	Flow GPM	Velocity fps
Pipe 154	656.51	8	173.07	1.10
Pipe 50	687.56	8	737.06	4.70
Pipe 15	703.15	8	-117.59	0.75
Pipe 44	740.57	8	107.30	0.68
Pipe 12	782.87	10	-1206.10	4.93
Pipe 11	797.73	8	-12.74	0.08
Pipe 45	831.10	8	-334.05	2.13
Pipe 17	854.81	8	-139.43	0.89
Pipe 77	877.31	8	-271.91	1.74
Pipe 47	890.32	8	-1592.12	10.16
Pipe 7	892.08	8	349.48	2.23
Pipe 4	918.38	8	510.74	3.26
Pipe 21	969.22	8	-782.17	4.99
Pipe 9	988.80	6	212.29	2.41
Pipe 23	1314.02	6	-199.45	2.26
Pipe 60	1339.96	8	430.13	2.75
Pipe 20	1496.25	6	-88.35	1.00
Pipe 38	1624.72	10	-384.16	1.57
Pipe 69	2754.07	10	-550.22	2.25
Valve 73	#N/A	8	153.05	0.98
Valve 86	#N/A	8	410.12	2.62
Valve 92	#N/A	8	417.38	2.66
Valve 37	#N/A	8	215.21	1.37
Valve 49	#N/A	8	334.06	2.13
Valve 52	#N/A	8	737.06	4.70
Valve 54	#N/A	8	804.19	5.13

Network Table - Nodes

Node ID	Elevation ft	Base Demand GPM	Head ft	Pressure psi
Junc 83	5571	1.82	5771.41	86.84
Junc 97	5263	1.82	5480.51	94.25
Junc 79	5559	1.82	5769.39	91.16
Junc 67	5254	1.82	5480.06	97.95
Junc 62	5261	1.82	5480.51	95.11
Junc 64	5579	1.82	5769.39	82.50
Junc 38	4952	2.14	5187.23	101.93
Junc 20	4941	3.21	5191.31	108.46
Junc 10	4923	3.21	5196.95	118.70
Junc 31	5184	3.34	5330.66	63.55
Junc 49	5218	3.64	5331.12	49.01
Junc 58	5387	3.64	5481.22	40.82
Junc 99	5226	3.64	5480.27	110.18
Junc 73	5443	3.64	5628.57	80.41
Junc 53	5302	3.64	5480.40	77.30
Junc 81	5565	3.64	5769.87	88.77
Junc 85	5602	3.64	5773.03	74.11
Junc 75	5498	3.64	5630.17	57.27
Junc 56	5343	3.64	5480.83	59.72
Junc 30	5107	4.24	5201.81	41.08
Junc 19	4950	5.14	5189.70	103.86
Junc 89	5388	5.46	5481.28	40.42
Junc 60	5319	5.46	5480.81	70.11
Junc 66	5275	5.46	5480.51	89.05
Junc 105	5091	5.46	5334.65	105.57
Junc 2	5326	5.46	5343.38	7.53
Junc 11	5162	5.46	5339.39	76.87
Junc 1	5309	5.46	5343.38	14.90
Junc 12	5125	5.46	5336.41	91.60
Junc 51	5253	5.46	5479.84	98.29

Node ID	Elevation ft	Base Demand GPM	Head ft	Pressure psi
Junc 6	5191	5.46	5339.17	64.20
Junc 33	5134	6.68	5329.52	84.72
Junc 23	5023	6.68	5192.34	73.38
Junc 27	5063	6.68	5198.45	58.69
Junc 16	5153	7.28	5336.62	79.56
Junc 4	5222	7.28	5339.17	50.77
Junc 24	5000	8.35	5192.34	83.34
Junc 25	5025	8.35	5192.34	72.51
Junc 71	5203	9.1	5335.14	57.26
Junc 5	5186	9.1	5336.98	65.42
Junc 9	4926	9.63	5196.95	117.40
Junc 26	5073	10.02	5198.45	54.36
Junc 32	5140	10.02	5329.52	82.12
Junc 36	5160	10.02	5332.08	74.56
Junc 69	5132	10.92	5334.88	87.91
Junc 46	4934	11.77	5192.66	112.08
Junc 14	5093	12.74	5332.61	103.82
Junc 13	5100	12.74	5332.62	100.79
Junc 35	5137	13.36	5332.08	84.53
Junc 15	5167	14.56	5336.62	73.50
Junc 7	5101	15.42	5334.95	101.37
Junc 21	4963	19.8	5180.92	94.42
Junc 34	5179	20.04	5331.35	66.02
Junc 17	5082	21.71	5332.84	108.69
Junc 29	4936	31.56	5187.04	108.77
Junc 8	5110	33.41	5200.57	39.24
Junc 37	4941	37.87	5187.04	106.61
Junc 39	4937	37.87	5187.04	108.34
Junc 18	5030	43.25	5199.49	73.44
Junc 40	4952	92.12	5147.37	84.65
Junc Hy11	4952	1500	5143.75	83.08