

Hydraulic Modeling Documentation

City of Dayton, Washington Water System Plan

March 2015

*Engineering
Surveying
Natural Resources*

 **anderson
perry**
& associates, inc.

Walla Walla, WA La Grande, OR

**CITY OF DAYTON WATER SYSTEM PLAN
HYDRAULIC MODELING DOCUMENTATION**

MARCH 2015



ANDERSON PERRY & ASSOCIATES, INC.

Civil Engineers

**Walla Walla, Washington
La Grande, Oregon**

Water System Model Results from 2007 Water System Plan

Dayton, Washington

Water System Model Summary

W918-89-020

1. The existing water system was modeled using WaterCAD v. 7.0 by Bentley Systems, Inc.
2. The model was calibrated using hydrant flow tests conducted by the City of Dayton and Anderson Perry.
3. The following scenarios were run using the model:
 - A. Peak Hour Demand
 - B. Fire Flow at High School (1500 gpm at H-434 and H-192) during Maximum Day Demand
 - C. Average Day Demand with full reservoirs
4. Locations of high and low pressures were identified.
5. The performance of the water main along the East Touchet River Road was evaluated.

Dayton, Washington

Assumptions

W918-89-020

1. The Seneca plant will be in full production after 2012.
2. Water demand projections for 2026 are accurate for modelling the future performance of the system.
3. Elevation data from 3DI points are sufficient for setting node elevations.
4. Minor losses for fittings are accounted for in the roughness factors for the pipes.
5. Fire Hydrant tests were conducted during Average Day Demand.
6. 1.7 miles of pipe along E. Touchet River Road is steel installed prior to 1925.
7. The fire flow at a given location will be pulled from 2 or more hydrants.
8. Peaking factors for Seneca in 2026 will be 5 for Maximum Day and 7 for Peak Hour.
9. Reservoir operating levels assume the Operating Storage is 7 ft and the top elevation is at the reservoir overflow.

Dayton, Washington

Production and Storage
W918-89-020

Production

	Well 1	Well 2	Well 3
Elevation (feet)	1,620	1,655	1,590
Depth (feet)	1,303	1,425	1,180
Rated Capacity (gpm)	710	1,100	1,100
Static Water Level (ft)	396	613	644
Diameter (inches)	10	15	15
Pump	19 Stage Peerless 150 HP	Byron Jackson 12MQH 300 HP	Byron Jackson 12MQH 300 HP

Total production (gpm) **2,910**

Storage

	Reservoir	Standpipe
Volume (gal)	2,000,000	220,000
Diameter (feet)	90	28
Height (feet)	44.0	49
Base Elevation (feet)	1754.62	1,749.62
Overflow Elevation (feet)	1,796.62	1,796.62
Overflow Height (feet)	42	47

4.62 ft added for calibration
measured on 10-5-06

Operating Storage (gal)	365,488
Equalizing Storage (gal)	27,949
Standby Storage (gal)	515,745
Fire Suppression Storage (gal)	630,000
Total Required Storage (gal)	1,511,200
Total Available Storage (gal)	2,220,000

Projected for 2026 based on 2005-2006
demand data.

	Elevation	Reservoir Level	Standpipe Level
Operating Storage Elev. (feet)	1,789.6	35.0	40.0
Equalizing Storage Elev. (feet)	1,789.1	34.5	39.5
Standby Storage Elev. (feet)	1,779.2	24.6	29.6
Fire Suppression Elev. (feet)	1,767.1	12.5	17.5

Dayton, Washington

Demand Statistics
W918-89-020

NOTES

Population 2,579 EDU's Projected for year 2026

Calculated Demand for Model

Residential	34,113,587	cf/yr
Commercial (w/o Seneca)	5,850,496	cf/yr
Industrial (Seneca)	1,166,114	cf/yr
Total annual consumption	41,130,196	cf
	307,695,000	gal

Calculated from ADD and Commercial Users

Consumption from major users 52,491,259 gal

Average day consumption	327	gpd/ERU
City Nodes used for distribution	233	
Average Daily Demand (ADD)	843,000	gpd
ADD Flow Rate	585	gpm
Demand w/o major commercial users	486	gpm
Distributed Nodal Demand	2.08	gpm

2,523.24 Non-commercial EDU's
10.8 EDU's per node

Maximum Day Peaking Factor	3.119	
Maximum Day Demand (MDD)	2,629,000	gal
MDD Flow Rate	1,826	gpm
Demand w/o major commercial users	1,483	gpm
Nodal Demand	6.36	gpm

Calculated from 2005-2006 usage

Peak Hour Peaking Factor	4.076	
Peak Hour Demand (PHD)	143,167	gal
PHD Flow Rate	2,386	gpm
Demand w/o major commercial users	1,931	gpm
Nodal Demand	8.29	gpm

Calculated from 2005-2006 usage

(PHD - PHD major users) / nodes

E. Fork Touchet River Road Houses	ADD	MDD	PHD	Node
10 houses	1.924	6.001	7.843	J-859
5 houses	0.962	3.001	3.922	J-861
4 houses	0.770	2.400	3.137	J-860
2 houses	0.385	1.200	1.569	J-858

Fire Flow Analysis

Existing System

Reservoir and Standpipe FSS	630,000	gal
Fire Duration	180	min
Discharge rate from Reservoirs	3,500	gpm
Well production	2,910	gpm
Total 2 hr flow rate available	6,410	gpm

Gray and Osborne, 2001

Model Nodes

Hydrants	154
Valves	454
Junctions	252
Total	860

Project Inventory

Title: W918-89 Dayton, Washington Water Model
 Project Engineer: Anderson Perry & Associates, Inc.
 Project Date: 03/21/07
 Comments:

Scenario Summary

Scenario	1. Peak Hour Demand
Active Topology Alternative	Base-Active Topology
Physical Alternative	Base-Physical
Demand Alternative	Peak Hour Demand
Initial Settings Alternative	Equalizing Storage Depleted
Operational Alternative	Base-Operational
Age Alternative	Base-Age Alternative
Constituent Alternative	Base-Constituent
Trace Alternative	Base-Trace Alternative
Fire Flow Alternative	Base-Fire Flow
Capital Cost Alternative	Base-Capital Cost
Energy Cost Alternative	Base-Energy Cost
User Data Alternative	Base-User Data

Liquid Characteristics

Liquid	Water at 20C(68F)	Specific Gravity	1.00
Kinematic Viscosity	1.0804e-5 ft ² /s		

Network Inventory

Pressure Pipes	960	Number of Tanks	2
Number of Reservoirs	0	- Constant Area:	2
Number of Pressure Junctions	860	- Variable Area:	0
Number of Pumps	0	Number of Valves	0
- Constant Power:	0	- FCV's:	0
- One Point (Design Point):	0	- PBV's:	0
- Standard (3 Point):	0	- PRV's:	0
- Standard Extended:	0	- PSV's:	0
- Custom Extended:	0	- TCV's:	0
- Multiple Point:	0	- GPV's:	0
Number of Spot Elevations	0		

Pressure Pipes Inventory

1.5 in	424.00 ft	8.0 in	40,897.00 ft
2.0 in	5,578.00 ft	10.0 in	7,358.00 ft
4.0 in	9,518.00 ft	12.0 in	21,802.00 ft
6.0 in	53,114.00 ft		
Total Length	138,691.00 ft		

SCENARIO 1

PHD

Scenario Summary Report

Scenario: 1. Peak Hour Demand

Scenario Summary

Active Topology Alternative	Base-Active Topology
Physical Alternative	Base-Physical
Demand Alternative	Peak Hour Demand
Initial Settings Alternative	Equalizing Storage Depleted
Operational Alternative	Base-Operational
Age Alternative	Base-Age Alternative
Constituent Alternative	Base-Constituent
Trace Alternative	Base-Trace Alternative
Fire Flow Alternative	Base-Fire Flow
Capital Cost Alternative	Base-Capital Cost
Energy Cost Alternative	Base-Energy Cost
User Data Alternative	Base-User Data

Hydraulic Analysis Summary

Analysis	Steady State
Friction Method	Hazen-Williams Formula
Accuracy	0.001000
Trials	40

Quality Analysis Summary

Analysis	Constituent	Quality Time Step	N/A hr
Age Tolerance	0.01 hr	Constituent Tolerance	0.01 mg/l
Trace Tolerance	1.0 %		

Global Adjustments

Demand Operation	<None>	Roughness Operation	<None>
Demand	0.00	Roughness	0.00

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Tank

Scenario: 1. Peak Hour Demand
Steady State Analysis
Tank Report

Label	Zone	Base Elevation (ft)	Minimum Elevation (ft)	Initial HGL (ft)	Maximum Elevation (ft)	Inactive Volume (gal)	Tank Diameter (ft)	Inflow (gpm)	Current Status
T-1	Reservoir Zone	1,754.62	1,754.62	1,789.10	1,796.62	0.00	90.00	1,666.61	Draining
T-2	Reservoir Zone	1,749.62	1,749.62	1,789.10	1,796.62	0.00	28.00	-737.15	Draining

Node

Scenario: 1. Peak Hour Demand
Steady State Analysis
Junction Report

Label	Elevation (ft)	Zone	Type	Base Flow (gpm)	Pattern	Demand (Calculated) (gpm)	Calculated Hydraulic Grade (ft)	Pressure (psi)
H-1	1,561.00	Zone - 2	Demand	8.29	Fixed	8.29	1,783.26	96.16
H-6	1,560.00	Zone - 2	Demand	0.00	Fixed	0.00	1,783.24	96.59
H-16	1,579.00	Zone - 2	Demand	0.00	Fixed	0.00	1,783.34	88.41
H-25	1,578.00	Zone - 2	Demand	0.00	Fixed	0.00	1,783.34	88.84
H-35	1,575.00	Zone - 2	Demand	0.00	Fixed	0.00	1,783.37	90.15
H-40	1,568.00	Zone - 2	Demand	0.00	Fixed	0.00	1,783.42	93.20
H-43	1,576.00	Zone - 2	Demand	0.00	Fixed	0.00	1,783.50	89.78
H-44	1,584.00	Zone - 2	Demand	0.00	Fixed	0.00	1,783.61	86.36
H-45	1,586.00	Zone - 2	Demand	0.00	Fixed	0.00	1,783.63	85.51
H-48	1,588.00	Zone - 2	Demand	0.00	Fixed	0.00	1,783.69	84.67
H-49	1,588.80	Zone - 2	Demand	0.00	Fixed	0.00	1,783.71	84.33
H-50	1,594.60	Zone - 2	Demand	0.00	Fixed	0.00	1,783.74	81.83
H-54	1,591.00	Zone - 2	Demand	0.00	Fixed	0.00	1,783.73	83.39
H-56	1,595.90	Zone - 2	Demand	0.00	Fixed	0.00	1,783.76	81.28
H-63	1,587.80	Zone - 2	Demand	0.00	Fixed	0.00	1,783.65	84.73
H-64	1,580.00	Zone - 2	Demand	0.00	Fixed	0.00	1,783.49	88.04
H-70	1,579.40	Zone - 2	Demand	0.00	Fixed	0.00	1,783.55	88.33
H-73	1,582.00	Zone - 2	Demand	0.00	Fixed	0.00	1,783.56	87.20
H-74	1,585.00	Zone - 2	Demand	0.00	Fixed	0.00	1,783.63	85.94
H-84	1,587.60	Zone - 2	Demand	0.00	Fixed	0.00	1,783.70	84.85
H-92	1,583.00	Zone - 2	Demand	0.00	Fixed	0.00	1,783.77	86.86
H-94	1,582.00	Zone - 2	Demand	0.00	Fixed	0.00	1,783.77	87.29
H-95	1,592.80	Zone - 2	Demand	0.00	Fixed	0.00	1,783.78	82.63
H-107	1,591.50	Zone - 2	Demand	0.00	Fixed	0.00	1,783.86	83.23
H-112	1,608.10	Zone - 2	Demand	0.00	Fixed	0.00	1,783.95	76.08
H-118	1,599.80	Zone - 2	Demand	0.00	Fixed	0.00	1,783.93	79.66
H-122	1,598.50	Zone - 2	Demand	0.00	Fixed	0.00	1,783.93	80.23
H-136	1,600.50	Zone - 2	Demand	0.00	Fixed	0.00	1,784.05	79.41
H-145	1,602.80	Zone - 2	Demand	0.00	Fixed	0.00	1,784.10	78.44
H-148	1,602.00	Zone - 2	Demand	0.00	Fixed	0.00	1,784.03	78.76
H-149	1,595.40	Zone - 2	Demand	0.00	Fixed	0.00	1,783.94	81.57
H-154	1,604.50	Zone - 2	Demand	0.00	Fixed	0.00	1,784.02	77.67
H-158	1,610.00	Zone - 2	Demand	0.00	Fixed	0.00	1,784.02	75.29
H-162	1,612.80	Zone - 2	Demand	0.00	Fixed	0.00	1,784.03	74.08
H-180	1,615.90	Zone - 2	Demand	0.00	Fixed	0.00	1,784.37	72.89
H-185	1,613.90	Zone - 2	Demand	0.00	Fixed	0.00	1,784.75	73.92
H-189	1,620.60	Zone - 2	Demand	0.00	Fixed	0.00	1,784.30	70.83
H-192	1,624.80	Zone - 6	Demand	0.00	Fixed	0.00	1,784.16	68.95
H-198	1,617.70	Zone - 2	Demand	0.00	Fixed	0.00	1,784.76	72.28
H-201	1,612.40	Zone - 2	Demand	0.00	Fixed	0.00	1,784.81	74.59
H-208	1,612.20	Zone - 2	Demand	0.00	Fixed	0.00	1,784.94	74.73
H-214	1,612.40	Zone - 2	Demand	0.00	Fixed	0.00	1,784.99	74.67
H-218	1,612.40	Zone - 2	Demand	0.00	Fixed	0.00	1,785.00	74.68
H-219	1,609.30	Zone - 2	Demand	0.00	Fixed	0.00	1,784.98	76.01
H-229	1,603.80	Zone - 2	Demand	0.00	Fixed	0.00	1,785.08	78.43
H-230	1,603.50	Zone - 2	Demand	0.00	Fixed	0.00	1,785.14	78.59
H-242	1,599.00	Zone - 2	Demand	0.00	Fixed	0.00	1,785.34	80.62
H-254	1,599.00	Zone - 2	Demand	0.00	Fixed	0.00	1,785.40	80.65
H-261	1,603.90	Zone - 2	Demand	0.00	Fixed	0.00	1,785.69	78.65
H-263	1,607.30	Zone - 2	Demand	0.00	Fixed	0.00	1,786.19	77.40
H-266	1,609.60	Zone - 2	Demand	0.00	Fixed	0.00	1,786.36	76.48

Scenario: 1. Peak Hour Demand
Steady State Analysis
Junction Report

Label	Elevation (ft)	Zone	Type	Base Flow (gpm)	Pattern	Demand (Calculated) (gpm)	Calculated Hydraulic Grade (ft)	Pressure (psi)
H-271	1,607.00	Zone - 2	Demand	0.00	Fixed	0.00	1,785.33	77.16
H-278	1,605.20	Zone - 2	Demand	0.00	Fixed	0.00	1,785.23	77.89
H-285	1,673.30	Zone - 2	Demand	0.00	Fixed	0.00	1,787.59	49.45
H-286	1,654.00	Zone - 2	Demand	0.00	Fixed	0.00	1,787.78	57.88
H-287	1,640.00	Zone - 2	Demand	0.00	Fixed	0.00	1,787.86	63.97
H-291	1,715.00	Zone - 5	Demand	0.00	Fixed	0.00	1,788.12	31.64
H-292	1,724.40	Zone - 5	Demand	0.00	Fixed	0.00	1,788.32	27.65
H-305	1,613.50	Zone - 2	Demand	0.00	Fixed	0.00	1,785.31	74.33
H-312	1,609.80	Zone - 2	Demand	0.00	Fixed	0.00	1,785.11	75.85
H-317	1,616.70	Zone - 2	Demand	0.00	Fixed	0.00	1,784.85	72.75
H-322	1,615.90	Zone - 2	Demand	0.00	Fixed	0.00	1,784.92	73.13
H-327	1,615.10	Zone - 2	Demand	0.00	Fixed	0.00	1,784.97	73.50
H-333	1,613.60	Zone - 2	Demand	0.00	Fixed	0.00	1,785.02	74.17
H-335	1,605.70	Zone - 2	Demand	0.00	Fixed	0.00	1,785.03	77.59
H-344	1,603.50	Zone - 2	Demand	0.00	Fixed	0.00	1,785.04	78.55
H-353	1,605.40	Zone - 2	Demand	0.00	Fixed	0.00	1,785.08	77.74
H-359	1,609.30	Zone - 2	Demand	0.00	Fixed	0.00	1,785.03	76.03
H-366	1,608.90	Zone - 2	Demand	0.00	Fixed	0.00	1,785.03	76.20
H-373	1,609.60	Zone - 2	Demand	0.00	Fixed	0.00	1,785.04	75.90
H-377	1,614.50	Zone - 2	Demand	0.00	Fixed	0.00	1,785.11	73.81
H-384	1,616.30	Zone - 2	Demand	0.00	Fixed	0.00	1,785.05	73.01
H-391	1,614.20	Zone - 2	Demand	0.00	Fixed	0.00	1,785.05	73.92
H-393	1,615.00	Zone - 2	Demand	0.00	Fixed	0.00	1,785.06	73.58
H-398	1,617.00	Zone - 2	Demand	0.00	Fixed	0.00	1,785.06	72.71
H-400	1,613.60	Zone - 2	Demand	0.00	Fixed	0.00	1,785.03	74.17
H-401	1,616.90	Zone - 2	Demand	0.00	Fixed	0.00	1,785.01	72.73
H-416	1,620.60	Zone - 2	Demand	0.00	Fixed	0.00	1,784.92	71.09
H-424	1,621.60	Zone - 2	Demand	0.00	Fixed	0.00	1,784.84	70.63
H-425	1,622.80	Zone - 2	Demand	0.00	Fixed	0.00	1,784.83	70.10
H-433	1,627.50	Zone - 2	Demand	0.00	Fixed	0.00	1,784.77	68.04
H-434	1,629.70	Zone - 2	Demand	0.00	Fixed	0.00	1,784.67	67.05
H-435	1,631.90	Zone - 2	Demand	0.00	Fixed	0.00	1,784.62	66.07
H-443	1,634.50	Zone - 2	Demand	0.00	Fixed	0.00	1,784.51	64.90
H-445	1,637.30	Zone - 2	Demand	0.00	Fixed	0.00	1,784.46	63.67
H-464	1,642.00	Zone - 2	Demand	0.00	Fixed	0.00	1,784.38	61.60
H-465	1,646.98	Zone - 2	Demand	0.00	Fixed	0.00	1,784.35	59.43
H-471	1,645.20	Zone - 2	Demand	0.00	Fixed	0.00	1,784.33	60.19
H-489	1,650.50	Zone - 2	Demand	0.00	Fixed	0.00	1,784.34	57.90
H-498	1,670.10	Zone - 2	Demand	0.00	Fixed	0.00	1,784.33	49.42
H-500	1,664.30	Zone - 2	Demand	0.00	Fixed	0.00	1,784.33	51.93
H-509	1,659.50	Zone - 2	Demand	0.00	Fixed	0.00	1,784.33	54.01
H-510	1,658.00	Zone - 2	Demand	0.00	Fixed	0.00	1,784.34	54.66
H-514	1,653.60	Zone - 2	Demand	0.00	Fixed	0.00	1,784.34	56.57
H-522	1,650.40	Zone - 2	Demand	0.00	Fixed	0.00	1,784.35	57.96
H-527	1,647.00	Zone - 2	Demand	0.00	Fixed	0.00	1,784.37	59.43
H-533	1,644.40	Zone - 2	Demand	0.00	Fixed	0.00	1,784.40	60.57
H-534	1,643.10	Zone - 2	Demand	0.00	Fixed	0.00	1,784.41	61.14
H-539	1,641.40	Zone - 2	Demand	0.00	Fixed	0.00	1,784.46	61.89
H-546	1,640.10	Zone - 2	Demand	0.00	Fixed	0.00	1,784.52	62.48
H-550	1,638.20	Zone - 2	Demand	0.00	Fixed	0.00	1,784.59	63.34
H-568	1,631.00	Zone - 2	Demand	0.00	Fixed	0.00	1,784.82	66.55

Scenario: 1. Peak Hour Demand
Steady State Analysis
Junction Report

Label	Elevation (ft)	Zone	Type	Base Flow (gpm)	Pattern	Demand (Calculated) (gpm)	Calculated Hydraulic Grade (ft)	Pressure (psi)
H-577	1,626.90	Zone - 2	Demand	0.00	Fixed	0.00	1,784.98	68.39
H-585	1,623.40	Zone - 2	Demand	0.00	Fixed	0.00	1,785.14	69.98
H-589	1,621.70	Zone - 2	Demand	0.00	Fixed	0.00	1,785.14	70.71
H-594	1,619.00	Zone - 2	Demand	0.00	Fixed	0.00	1,785.15	71.88
H-602	1,621.90	Zone - 2	Demand	0.00	Fixed	0.00	1,785.14	70.63
H-603	1,621.90	Zone - 2	Demand	0.00	Fixed	0.00	1,785.14	70.63
H-606	1,622.20	Zone - 2	Demand	0.00	Fixed	0.00	1,785.11	70.48
H-608	1,617.00	Zone - 2	Demand	0.00	Fixed	0.00	1,785.08	72.72
H-619	1,621.15	Zone - 2	Demand	0.00	Fixed	0.00	1,785.06	70.92
H-621	1,629.61	Zone - 2	Demand	0.00	Fixed	0.00	1,784.99	67.23
H-625	1,629.70	Zone - 2	Demand	0.00	Fixed	0.00	1,784.98	67.18
H-626	1,629.70	Zone - 2	Demand	0.00	Fixed	0.00	1,784.98	67.18
H-637	1,630.90	Zone - 2	Demand	0.00	Fixed	0.00	1,785.04	66.69
H-642	1,631.70	Zone - 2	Demand	0.00	Fixed	0.00	1,785.00	66.33
H-645	1,632.00	Zone - 2	Demand	0.00	Fixed	0.00	1,784.98	66.19
H-657	1,634.20	Zone - 2	Demand	0.00	Fixed	0.00	1,784.98	65.23
H-664	1,638.20	Zone - 2	Demand	0.00	Fixed	0.00	1,784.98	63.50
H-667	1,637.90	Zone - 2	Demand	0.00	Fixed	0.00	1,784.99	63.64
H-670	1,649.50	Zone - 2	Demand	0.00	Fixed	0.00	1,785.01	58.63
H-674	1,639.60	Zone - 2	Demand	0.00	Fixed	0.00	1,785.03	62.92
H-690	1,637.60	Zone - 2	Demand	0.00	Fixed	0.00	1,785.82	64.13
H-691	1,646.80	Zone - 2	Demand	0.00	Fixed	0.00	1,785.55	60.03
H-701	1,663.60	Zone - 2	Demand	0.00	Fixed	0.00	1,785.92	52.92
H-708	1,745.60	Zone - 1	Demand	0.00	Fixed	0.00	1,788.34	18.49
H-720	1,712.70	Zone - 1	Demand	0.00	Fixed	0.00	1,787.14	32.21
H-727	1,694.70	Zone - 2	Demand	0.00	Fixed	0.00	1,786.29	39.62
H-733	1,685.40	Zone - 1	Demand	0.00	Fixed	0.00	1,786.29	43.65
H-737	1,683.50	Zone - 1	Demand	0.00	Fixed	0.00	1,786.76	44.68
H-743	1,666.10	Zone - 2	Demand	0.00	Fixed	0.00	1,786.12	51.93
H-748	1,655.50	Zone - 2	Demand	0.00	Fixed	0.00	1,785.98	56.45
H-749	1,655.10	Zone - 2	Demand	0.00	Fixed	0.00	1,785.95	56.61
H-754	1,684.90	Zone - 1	Demand	0.00	Fixed	0.00	1,785.98	43.73
H-763	1,673.20	Zone - 2	Demand	0.00	Fixed	0.00	1,785.42	48.55
H-764	1,657.00	Zone - 2	Demand	0.00	Fixed	0.00	1,785.22	55.48
H-768	1,651.20	Zone - 2	Demand	0.00	Fixed	0.00	1,785.04	57.91
H-769	1,639.40	Zone - 2	Demand	0.00	Fixed	0.00	1,784.85	62.93
H-774	1,634.40	Zone - 2	Demand	0.00	Fixed	0.00	1,784.81	65.07
H-780	1,634.40	Zone - 2	Demand	0.00	Fixed	0.00	1,784.82	65.08
H-785	1,638.40	Zone - 2	Demand	0.00	Fixed	0.00	1,784.70	63.30
H-788	1,638.80	Zone - 2	Demand	0.00	Fixed	0.00	1,784.69	63.12
H-796	1,646.80	Zone - 2	Demand	0.00	Fixed	0.00	1,784.60	59.62
H-799	1,656.60	Zone - 2	Demand	0.00	Fixed	0.00	1,784.58	55.37
H-800	1,650.70	Zone - 2	Demand	0.00	Fixed	0.00	1,784.51	57.89
H-817	1,645.00	Zone - 2	Demand	0.00	Fixed	0.00	1,784.42	60.32
H-829	1,653.70	Zone - 2	Demand	0.00	Fixed	0.00	1,784.34	56.52
H-833	1,659.70	Zone - 2	Demand	0.00	Fixed	0.00	1,784.33	53.92
H-837	1,661.10	Zone - 2	Demand	0.00	Fixed	0.00	1,784.33	53.32
H-838	1,666.70	Zone - 2	Demand	0.00	Fixed	0.00	1,784.33	50.89
H-843	1,603.70	Zone - 2	Demand	0.00	Fixed	0.00	1,785.33	78.58
H-845	1,599.40	Zone - 2	Demand	0.00	Fixed	0.00	1,785.24	80.40
H-847	1,582.00	Zone - 2	Demand	0.00	Fixed	0.00	1,783.58	87.21

Scenario: 1. Peak Hour Demand
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Label	Elevation (ft)	Zone	Type	Base Flow (gpm)	Pattern	Demand (Calculated) (gpm)	Calculated Hydraulic Grade (ft)	Pressure (psi)
H-848	1,594.20	Zone - 2	Demand	0.00	Fixed	0.00	1,783.84	82.05
H-850	1,621.60	Zone - 2	Demand	0.00	Fixed	0.00	1,784.83	70.62
H-862	1,745.00	Zone - 4	Demand	0.00	Fixed	0.00	1,784.32	17.01
J-2	1,563.00	Zone - 2	Demand	8.29	Fixed	8.29	1,783.27	95.30
J-3	1,560.00	Zone - 2	Demand	8.29	Fixed	8.29	1,783.27	96.60
J-4	1,561.00	Zone - 2	Demand	8.29	Fixed	8.29	1,783.26	96.16
J-5	1,557.00	Zone - 2	Demand	8.29	Fixed	8.29	1,783.22	97.87
J-7	1,569.00	Zone - 2	Demand	8.29	Fixed	8.29	1,783.16	92.66
J-8	1,573.80	Zone - 2	Demand	8.29	Fixed	8.29	1,783.34	90.66
J-12	1,563.00	Zone - 2	Demand	8.29	Fixed	8.29	1,783.12	95.23
J-13	1,571.10	Zone - 2	Demand	8.29	Fixed	8.29	1,783.20	91.77
J-15	1,573.80	Zone - 2	Demand	8.29	Fixed	8.29	1,783.34	90.66
J-17	1,575.60	Zone - 2	Demand	8.29	Fixed	8.29	1,783.35	89.88
J-19	1,573.00	Zone - 2	Demand	8.29	Fixed	8.29	1,783.26	90.97
J-22	1,573.00	Zone - 2	Demand	8.29	Fixed	8.29	1,783.27	90.98
J-23	1,573.00	Zone - 2	Demand	8.29	Fixed	8.29	1,783.27	90.98
J-24	1,569.00	Zone - 2	Demand	8.29	Fixed	8.29	1,780.88	91.67
J-26	1,578.00	Zone - 2	Demand	8.29	Fixed	8.29	1,783.34	88.84
J-28	1,577.00	Zone - 2	Demand	8.29	Fixed	8.29	1,783.34	89.27
J-31	1,579.00	Zone - 2	Demand	8.29	Fixed	8.29	1,783.34	88.41
J-33	1,576.00	Zone - 2	Demand	8.29	Fixed	8.29	1,783.36	89.71
J-34	1,568.00	Zone - 2	Demand	8.29	Fixed	8.29	1,783.27	93.14
J-37	1,574.00	Zone - 2	Demand	8.29	Fixed	8.29	1,783.38	90.59
J-39	1,568.00	Zone - 2	Demand	8.29	Fixed	8.29	1,783.42	93.20
J-41	1,571.00	Zone - 2	Demand	8.29	Fixed	8.29	1,783.44	91.91
J-42	1,565.00	Zone - 2	Demand	8.29	Fixed	8.29	1,783.44	94.51
J-46	1,585.00	Zone - 2	Demand	8.29	Fixed	8.29	1,783.68	85.96
J-52	1,591.00	Zone - 2	Demand	8.29	Fixed	8.29	1,783.73	83.38
J-57	1,595.90	Zone - 2	Demand	18.99	Fixed	18.99	1,783.76	81.28
J-59	1,589.50	Zone - 2	Demand	8.29	Fixed	8.29	1,783.73	84.03
J-60	1,589.50	Zone - 2	Demand	8.29	Fixed	8.29	1,783.72	84.03
J-69	1,581.00	Zone - 2	Demand	8.29	Fixed	8.29	1,783.55	87.63
J-75	1,585.00	Zone - 2	Demand	8.29	Fixed	8.29	1,783.64	85.94
J-81	1,590.00	Zone - 2	Demand	8.29	Fixed	8.29	1,783.70	83.80
J-82	1,590.00	Zone - 2	Demand	8.29	Fixed	8.29	1,783.69	83.80
J-85	1,588.00	Zone - 2	Demand	8.29	Fixed	8.29	1,783.71	84.67
J-87	1,588.00	Zone - 2	Demand	8.29	Fixed	8.29	1,783.71	84.67
J-89	1,592.80	Zone - 2	Demand	8.29	Fixed	8.29	1,783.77	82.62
J-98	1,594.20	Zone - 2	Demand	8.29	Fixed	8.29	1,783.86	82.06
J-103	1,592.50	Zone - 2	Demand	8.29	Fixed	8.29	1,783.86	82.79
J-108	1,597.00	Zone - 2	Demand	8.29	Fixed	8.29	1,783.86	80.84
J-111	1,607.70	Zone - 2	Demand	8.29	Fixed	8.29	1,783.94	76.25
J-115	1,603.50	Zone - 2	Demand	8.29	Fixed	8.29	1,783.94	78.07
J-116	1,599.80	Zone - 2	Demand	8.29	Fixed	8.29	1,783.93	79.67
J-119	1,599.80	Zone - 2	Demand	8.29	Fixed	8.29	1,783.94	79.67
J-125	1,598.50	Zone - 2	Demand	8.29	Fixed	8.29	1,783.92	80.22
J-128	1,598.50	Zone - 2	Demand	8.29	Fixed	8.29	1,783.93	80.23
J-129	1,595.70	Zone - 2	Demand	8.29	Fixed	8.29	1,783.91	81.43
J-132	1,600.50	Zone - 2	Demand	8.29	Fixed	8.29	1,784.02	79.40
J-138	1,601.20	Zone - 2	Demand	8.29	Fixed	8.29	1,784.14	79.15
J-141	1,602.80	Zone - 2	Demand	8.29	Fixed	8.29	1,784.13	78.45

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Label	Elevation (ft)	Zone	Type	Base Flow (gpm)	Pattern	Demand (Calculated) (gpm)	Calculated Hydraulic Grade (ft)	Pressure (psi)
J-147	1,602.00	Zone - 2	Demand	8.29	Fixed	8.29	1,784.04	78.76
J-153	1,604.50	Zone - 2	Demand	8.29	Fixed	8.29	1,784.02	77.67
J-155	1,605.80	Zone - 2	Demand	8.29	Fixed	8.29	1,784.02	77.11
J-157	1,610.00	Zone - 2	Demand	8.29	Fixed	8.29	1,784.02	75.29
J-160	1,612.80	Zone - 2	Demand	8.29	Fixed	8.29	1,784.04	74.09
J-164	1,614.90	Zone - 2	Demand	8.29	Fixed	8.29	1,784.11	73.21
J-166	1,614.40	Zone - 2	Demand	12.82	Fixed	12.82	1,784.11	73.43
J-168	1,620.00	Zone - 2	Demand	8.29	Fixed	8.29	1,784.30	71.08
J-171	1,641.20	Zone - 2	Demand	8.29	Fixed	8.29	1,784.28	61.91
J-175	1,615.90	Zone - 2	Demand	8.29	Fixed	8.29	1,784.37	72.89
J-179	1,615.90	Zone - 2	Demand	8.29	Fixed	8.29	1,784.37	72.89
J-183	1,613.90	Zone - 2	Demand	8.29	Fixed	8.29	1,784.75	73.92
J-187	1,619.80	Zone - 2	Demand	39.82	Fixed	39.82	1,784.37	71.20
J-190	1,623.10	Zone - 6	Demand	8.29	Fixed	8.29	1,784.19	69.70
J-191	1,622.40	Zone - 6	Demand	12.55	Fixed	12.55	1,784.12	69.97
J-193	1,628.10	Zone - 6	Demand	8.29	Fixed	8.29	1,783.70	67.32
J-194	1,628.20	Zone - 6	Demand	8.29	Fixed	8.29	1,783.69	67.27
J-195	1,630.30	Zone - 6	Demand	29.26	Fixed	29.26	1,762.11	57.03
J-199	1,617.70	Zone - 2	Demand	8.22	Fixed	8.22	1,784.76	72.28
J-202	1,612.40	Zone - 2	Demand	8.29	Fixed	8.29	1,784.83	74.60
J-205	1,611.70	Zone - 2	Demand	8.29	Fixed	8.29	1,784.89	74.93
J-209	1,612.20	Zone - 2	Demand	8.29	Fixed	8.29	1,784.94	74.74
J-213	1,612.40	Zone - 2	Demand	8.29	Fixed	8.29	1,784.99	74.67
J-221	1,609.30	Zone - 2	Demand	8.29	Fixed	8.29	1,784.98	76.01
J-224	1,607.40	Zone - 2	Demand	8.29	Fixed	8.29	1,784.43	76.59
J-225	1,603.80	Zone - 2	Demand	8.29	Fixed	8.29	1,785.06	78.42
J-232	1,603.50	Zone - 2	Demand	8.29	Fixed	8.29	1,785.16	78.59
J-236	1,599.40	Zone - 2	Demand	8.29	Fixed	8.29	1,785.24	80.41
J-238	1,599.40	Zone - 2	Demand	8.29	Fixed	8.29	1,785.25	80.41
J-239	1,599.40	Zone - 2	Demand	8.29	Fixed	8.29	1,785.26	80.41
J-241	1,594.40	Zone - 2	Demand	8.29	Fixed	8.29	1,785.30	82.59
J-244	1,599.00	Zone - 2	Demand	8.29	Fixed	8.29	1,785.34	80.62
J-247	1,599.00	Zone - 2	Demand	8.29	Fixed	8.29	1,785.38	80.64
J-250	1,594.00	Zone - 2	Demand	8.29	Fixed	8.29	1,785.14	82.70
J-251	1,593.00	Zone - 2	Demand	8.29	Fixed	8.29	1,784.95	83.05
J-253	1,635.00	Zone - 2	Demand	8.29	Fixed	8.29	1,781.87	63.55
J-256	1,603.90	Zone - 2	Demand	8.29	Fixed	8.29	1,785.59	78.61
J-258	1,603.90	Zone - 2	Demand	8.29	Fixed	8.29	1,785.68	78.65
J-262	1,607.30	Zone - 2	Demand	8.29	Fixed	8.29	1,786.11	77.36
J-265	1,645.00	Zone - 2	Demand	8.29	Fixed	8.29	1,786.88	61.38
J-268	1,609.60	Zone - 2	Demand	8.29	Fixed	8.29	1,785.78	76.23
J-273	1,607.00	Zone - 2	Demand	8.29	Fixed	8.29	1,785.31	77.15
J-276	1,605.70	Zone - 2	Demand	8.29	Fixed	8.29	1,785.27	77.69
J-280	1,605.20	Zone - 2	Demand	8.29	Fixed	8.29	1,785.23	77.89
J-282	1,673.30	Zone - 2	Demand	8.29	Fixed	8.29	1,787.62	49.46
J-289	1,715.00	Zone - 5	Demand	8.29	Fixed	8.29	1,788.06	31.61
J-294	1,726.80	Zone - 5	Demand	8.29	Fixed	8.29	1,788.54	26.71
J-297	1,679.60	Zone - 2	Demand	8.29	Fixed	8.29	1,787.35	46.62
J-299	1,644.70	Zone - 2	Demand	8.29	Fixed	8.29	1,786.08	61.17
J-301	1,613.50	Zone - 2	Demand	8.29	Fixed	8.29	1,785.23	74.30
J-308	1,609.80	Zone - 2	Demand	8.29	Fixed	8.29	1,785.13	75.86

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Label	Elevation (ft)	Zone	Type	Base Flow (gpm)	Pattern	Demand (Calculated) (gpm)	Calculated Hydraulic Grade (ft)	Pressure (psi)
J-309	1,609.80	Zone - 2	Demand	8.29	Fixed	8.29	1,785.12	75.85
J-315	1,616.70	Zone - 2	Demand	8.29	Fixed	8.29	1,784.85	72.75
J-319	1,615.90	Zone - 2	Demand	8.29	Fixed	8.29	1,784.91	73.12
J-325	1,615.10	Zone - 2	Demand	8.29	Fixed	8.29	1,784.96	73.49
J-336	1,605.70	Zone - 2	Demand	8.29	Fixed	8.29	1,785.03	77.59
J-341	1,603.50	Zone - 2	Demand	8.29	Fixed	8.29	1,785.05	78.55
J-345	1,603.70	Zone - 2	Demand	8.29	Fixed	8.29	1,785.06	78.47
J-347	1,605.40	Zone - 2	Demand	8.29	Fixed	8.29	1,785.06	77.73
J-349	1,605.40	Zone - 2	Demand	8.29	Fixed	8.29	1,785.07	77.73
J-356	1,609.30	Zone - 2	Demand	8.29	Fixed	8.29	1,785.03	76.03
J-361	1,608.90	Zone - 2	Demand	8.29	Fixed	8.29	1,785.03	76.20
J-362	1,608.90	Zone - 2	Demand	8.29	Fixed	8.29	1,785.03	76.20
J-367	1,609.10	Zone - 2	Demand	8.29	Fixed	8.29	1,785.03	76.12
J-372	1,609.60	Zone - 2	Demand	8.29	Fixed	8.29	1,785.03	75.90
J-376	1,616.10	Zone - 2	Demand	8.29	Fixed	8.29	1,785.10	73.12
J-381	1,621.15	Zone - 2	Demand	8.29	Fixed	8.29	1,785.06	70.92
J-382	1,616.30	Zone - 2	Demand	8.29	Fixed	8.29	1,785.05	73.01
J-383	1,616.30	Zone - 2	Demand	8.29	Fixed	8.29	1,785.05	73.01
J-387	1,614.20	Zone - 2	Demand	8.29	Fixed	8.29	1,785.05	73.92
J-395	1,617.00	Zone - 2	Demand	8.29	Fixed	8.29	1,785.07	72.71
J-403	1,616.90	Zone - 2	Demand	8.29	Fixed	8.29	1,785.00	72.73
J-407	1,618.70	Zone - 2	Demand	8.29	Fixed	8.29	1,784.97	71.94
J-409	1,618.70	Zone - 2	Demand	8.29	Fixed	8.29	1,784.96	71.93
J-412	1,620.60	Zone - 2	Demand	8.29	Fixed	8.29	1,784.91	71.09
J-413	1,620.60	Zone - 2	Demand	8.29	Fixed	8.29	1,784.91	71.09
J-419	1,621.60	Zone - 2	Demand	8.29	Fixed	8.29	1,784.85	70.63
J-422	1,621.60	Zone - 2	Demand	8.29	Fixed	8.29	1,784.84	70.63
J-427	1,622.80	Zone - 2	Demand	12.40	Fixed	12.40	1,784.83	70.10
J-430	1,627.50	Zone - 2	Demand	8.29	Fixed	8.29	1,784.77	68.04
J-437	1,631.90	Zone - 2	Demand	8.29	Fixed	8.29	1,784.60	66.07
J-441	1,634.50	Zone - 2	Demand	8.29	Fixed	8.29	1,784.52	64.91
J-449	1,637.90	Zone - 2	Demand	8.29	Fixed	8.29	1,784.43	63.39
J-452	1,638.90	Zone - 2	Demand	8.29	Fixed	8.29	1,784.40	62.95
J-453	1,638.90	Zone - 2	Demand	8.29	Fixed	8.29	1,784.40	62.95
J-454	1,638.90	Zone - 2	Demand	8.29	Fixed	8.29	1,784.40	62.95
J-458	1,640.60	Zone - 2	Demand	8.29	Fixed	8.29	1,784.39	62.21
J-461	1,641.70	Zone - 2	Demand	14.22	Fixed	14.22	1,784.38	61.73
J-470	1,646.98	Zone - 2	Demand	8.29	Fixed	8.29	1,784.35	59.43
J-472	1,645.20	Zone - 2	Demand	8.29	Fixed	8.29	1,784.32	60.19
J-473	1,645.20	Zone - 2	Demand	8.29	Fixed	8.29	1,784.32	60.19
J-476	1,644.80	Zone - 2	Demand	19.80	Fixed	19.80	1,784.30	60.36
J-477	1,647.70	Zone - 2	Demand	8.29	Fixed	8.29	1,784.30	59.10
J-478	1,647.70	Zone - 2	Demand	8.29	Fixed	8.29	1,784.30	59.10
J-480	1,648.90	Zone - 2	Demand	8.29	Fixed	8.29	1,784.31	58.59
J-482	1,652.30	Zone - 2	Demand	8.29	Fixed	8.29	1,784.31	57.11
J-485	1,652.30	Zone - 2	Demand	8.29	Fixed	8.29	1,784.31	57.11
J-486	1,655.00	Zone - 2	Demand	8.29	Fixed	8.29	1,784.32	55.95
J-487	1,650.50	Zone - 2	Demand	8.29	Fixed	8.29	1,784.33	57.90
J-490	1,656.00	Zone - 2	Demand	8.29	Fixed	8.29	1,784.31	55.51
J-492	1,658.90	Zone - 2	Demand	8.29	Fixed	8.29	1,784.31	54.26
J-495	1,657.70	Zone - 2	Demand	8.29	Fixed	8.29	1,784.31	54.78

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Label	Elevation (ft)	Zone	Type	Base Flow (gpm)	Pattern	Demand (Calculated) (gpm)	Calculated Hydraulic Grade (ft)	Pressure (psi)
J-503	1,661.50	Zone - 2	Demand	8.29	Fixed	8.29	1,784.33	53.14
J-520	1,650.60	Zone - 2	Demand	8.29	Fixed	8.29	1,784.35	57.87
J-524	1,649.40	Zone - 2	Demand	8.29	Fixed	8.29	1,784.36	58.39
J-529	1,644.40	Zone - 2	Demand	8.29	Fixed	8.29	1,784.39	60.57
J-536	1,643.10	Zone - 2	Demand	8.29	Fixed	8.29	1,784.42	61.14
J-542	1,641.40	Zone - 2	Demand	8.29	Fixed	8.29	1,784.46	61.89
J-543	1,641.40	Zone - 2	Demand	8.29	Fixed	8.29	1,784.46	61.89
J-547	1,640.10	Zone - 2	Demand	8.29	Fixed	8.29	1,784.52	62.49
J-555	1,638.20	Zone - 2	Demand	8.29	Fixed	8.29	1,784.60	63.34
J-558	1,636.20	Zone - 2	Demand	8.29	Fixed	8.29	1,784.69	64.25
J-559	1,634.60	Zone - 2	Demand	8.29	Fixed	8.29	1,784.74	64.96
J-563	1,634.20	Zone - 2	Demand	8.29	Fixed	8.29	1,784.77	65.14
J-567	1,633.50	Zone - 2	Demand	8.29	Fixed	8.29	1,784.77	65.45
J-570	1,631.00	Zone - 2	Demand	8.29	Fixed	8.29	1,784.84	66.56
J-573	1,629.80	Zone - 2	Demand	8.29	Fixed	8.29	1,784.86	67.09
J-581	1,624.10	Zone - 2	Demand	8.29	Fixed	8.29	1,785.14	69.67
J-582	1,624.10	Zone - 2	Demand	8.29	Fixed	8.29	1,785.14	69.67
J-593	1,619.00	Zone - 2	Demand	8.29	Fixed	8.29	1,785.15	71.88
J-597	1,621.90	Zone - 2	Demand	8.29	Fixed	8.29	1,785.16	70.63
J-601	1,621.90	Zone - 2	Demand	8.29	Fixed	8.29	1,785.14	70.63
J-604	1,622.20	Zone - 2	Demand	8.29	Fixed	8.29	1,785.12	70.49
J-610	1,618.70	Zone - 2	Demand	8.29	Fixed	8.29	1,785.05	71.97
J-612	1,618.70	Zone - 2	Demand	8.29	Fixed	8.29	1,785.04	71.97
J-615	1,619.30	Zone - 2	Demand	8.29	Fixed	8.29	1,785.03	71.70
J-618	1,619.90	Zone - 2	Demand	8.29	Fixed	8.29	1,784.38	71.16
J-624	1,629.70	Zone - 2	Demand	8.29	Fixed	8.29	1,784.98	67.18
J-627	1,629.70	Zone - 2	Demand	8.29	Fixed	8.29	1,784.98	67.18
J-633	1,625.60	Zone - 2	Demand	8.29	Fixed	8.29	1,785.02	68.97
J-634	1,625.60	Zone - 2	Demand	8.29	Fixed	8.29	1,785.03	68.98
J-635	1,625.80	Zone - 2	Demand	8.29	Fixed	8.29	1,785.01	68.88
J-638	1,630.90	Zone - 2	Demand	8.29	Fixed	8.29	1,785.04	66.69
J-640	1,631.70	Zone - 2	Demand	8.29	Fixed	8.29	1,785.00	66.33
J-646	1,632.00	Zone - 2	Demand	8.29	Fixed	8.29	1,784.98	66.19
J-648	1,632.00	Zone - 2	Demand	8.29	Fixed	8.29	1,784.91	66.16
J-651	1,632.70	Zone - 2	Demand	8.29	Fixed	8.29	1,784.98	65.88
J-655	1,634.20	Zone - 2	Demand	8.29	Fixed	8.29	1,784.98	65.23
J-658	1,635.60	Zone - 2	Demand	8.29	Fixed	8.29	1,784.97	64.63
J-659	1,635.60	Zone - 2	Demand	8.29	Fixed	8.29	1,784.97	64.63
J-665	1,638.20	Zone - 2	Demand	8.29	Fixed	8.29	1,784.98	63.50
J-669	1,641.40	Zone - 2	Demand	8.29	Fixed	8.29	1,785.00	62.13
J-673	1,664.00	Zone - 2	Demand	8.29	Fixed	8.29	1,785.03	52.36
J-675	1,632.30	Zone - 2	Demand	8.29	Fixed	8.29	1,785.04	66.08
J-677	1,631.60	Zone - 2	Demand	8.29	Fixed	8.29	1,785.04	66.39
J-680	1,632.30	Zone - 2	Demand	8.29	Fixed	8.29	1,785.17	66.14
J-681	1,645.80	Zone - 2	Demand	116.18	Fixed	116.18	1,785.63	60.50
J-683	1,637.60	Zone - 2	Demand	8.29	Fixed	8.29	1,785.43	63.96
J-685	1,637.60	Zone - 2	Demand	8.29	Fixed	8.29	1,785.57	64.02
J-692	1,646.80	Zone - 2	Demand	8.29	Fixed	8.29	1,785.92	60.19
J-696	1,655.20	Zone - 2	Demand	8.29	Fixed	8.29	1,785.71	56.47
J-697	1,656.80	Zone - 2	Demand	8.29	Fixed	8.29	1,785.92	55.86
J-700	1,657.20	Zone - 2	Demand	8.29	Fixed	8.29	1,785.88	55.67

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Label	Elevation (ft)	Zone	Type	Base Flow (gpm)	Pattern	Demand (Calculated) (gpm)	Calculated Hydraulic Grade (ft)	Pressure (psi)
J-703	1,669.30	Zone - 2	Demand	8.29	Fixed	8.29	1,785.93	50.46
J-705	1,677.20	Zone - 2	Demand	8.29	Fixed	8.29	1,785.91	47.03
J-709	1,745.60	Zone - 1	Demand	8.29	Fixed	8.29	1,788.16	18.41
J-711	1,720.50	Zone - 1	Demand	8.29	Fixed	8.29	1,786.34	28.49
J-715	1,721.00	Zone - 1	Demand	8.29	Fixed	8.29	1,787.42	28.74
J-718	1,712.70	Zone - 1	Demand	8.29	Fixed	8.29	1,787.30	32.28
J-719	1,712.70	Zone - 1	Demand	8.29	Fixed	8.29	1,787.21	32.24
J-723	1,694.70	Zone - 2	Demand	8.29	Fixed	8.29	1,786.32	39.64
J-729	1,685.90	Zone - 1	Demand	8.29	Fixed	8.29	1,786.25	43.42
J-735	1,683.50	Zone - 1	Demand	8.29	Fixed	8.29	1,786.50	44.56
J-739	1,666.10	Zone - 2	Demand	8.29	Fixed	8.29	1,786.09	51.91
J-745	1,655.50	Zone - 2	Demand	8.29	Fixed	8.29	1,785.95	56.44
J-750	1,626.50	Zone - 2	Demand	10.42	Fixed	10.42	1,785.43	68.76
J-753	1,626.50	Zone - 2	Demand	8.29	Fixed	8.29	1,785.43	68.76
J-757	1,684.90	Zone - 1	Demand	8.29	Fixed	8.29	1,785.92	43.70
J-760	1,673.20	Zone - 2	Demand	8.29	Fixed	8.29	1,785.49	48.58
J-766	1,651.80	Zone - 2	Demand	8.29	Fixed	8.29	1,785.11	57.68
J-771	1,637.33	Zone - 2	Demand	8.29	Fixed	8.29	1,784.80	63.80
J-776	1,634.40	Zone - 2	Demand	8.29	Fixed	8.29	1,784.82	65.08
J-781	1,629.10	Zone - 2	Demand	8.29	Fixed	8.29	1,784.82	67.37
J-782	1,637.33	Zone - 2	Demand	11.17	Fixed	11.17	1,784.77	63.79
J-784	1,637.60	Zone - 2	Demand	8.29	Fixed	8.29	1,784.71	63.65
J-786	1,638.40	Zone - 2	Demand	13.12	Fixed	13.12	1,784.70	63.30
J-791	1,646.80	Zone - 2	Demand	8.29	Fixed	8.29	1,784.60	59.62
J-793	1,646.80	Zone - 2	Demand	8.29	Fixed	8.29	1,784.60	59.62
J-802	1,650.70	Zone - 2	Demand	8.29	Fixed	8.29	1,784.50	57.89
J-805	1,646.20	Zone - 2	Demand	8.29	Fixed	8.29	1,784.50	59.84
J-808	1,646.20	Zone - 2	Demand	8.29	Fixed	8.29	1,784.51	59.84
J-811	1,646.90	Zone - 2	Demand	8.29	Fixed	8.29	1,784.41	59.49
J-813	1,645.00	Zone - 2	Demand	8.29	Fixed	8.29	1,784.43	60.33
J-820	1,648.60	Zone - 2	Demand	8.29	Fixed	8.29	1,784.26	58.69
J-822	1,699.60	Zone - 3	Demand	122.88	Fixed	122.88	1,776.75	33.38
J-823	1,646.00	Zone - 2	Demand	8.29	Fixed	8.29	1,784.38	59.87
J-824	1,645.80	Zone - 2	Demand	8.29	Fixed	8.29	1,784.39	59.96
J-825	1,653.70	Zone - 2	Demand	8.29	Fixed	8.29	1,784.34	56.52
J-827	1,659.60	Zone - 2	Demand	8.29	Fixed	8.29	1,783.74	53.71
J-831	1,659.70	Zone - 2	Demand	8.29	Fixed	8.29	1,784.33	53.92
J-835	1,661.10	Zone - 2	Demand	8.29	Fixed	8.29	1,784.33	53.32
J-841	1,603.70	Zone - 2	Demand	8.29	Fixed	8.29	1,785.35	78.59
J-848	1,612.40	Zone - 2	Demand	8.29	Fixed	8.29	1,784.99	74.67
J-849	1,639.80	Zone - 2	Demand	8.29	Fixed	8.29	1,784.85	62.76
J-850	1,591.50	Zone - 2	Demand	8.29	Fixed	8.29	1,783.86	83.23
J-851	1,621.60	Zone - 2	Demand	8.29	Fixed	8.29	1,784.85	70.63
J-852	1,625.00	Zone - 2	Demand	8.29	Fixed	8.29	1,785.03	69.24
J-853	1,637.90	Zone - 2	Demand	13.74	Fixed	13.74	1,784.42	63.39
J-854	1,582.00	Zone - 2	Demand	8.29	Fixed	8.29	1,783.56	87.20
J-856	1,775.00	Zone - 4	Demand	0.00	Fixed	0.00	1,784.32	4.03
J-858	1,680.00	Zone - 4	Demand	1.58	Fixed	1.58	1,784.33	45.14
J-859	1,772.00	Zone - 4	Demand	7.88	Fixed	7.88	1,784.32	5.33
J-860	1,775.00	Zone - 4	Demand	3.15	Fixed	3.15	1,784.32	4.03
J-861	1,775.00	Zone - 4	Demand	3.94	Fixed	3.94	1,784.32	4.03

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Label	Elevation (ft)	Zone	Type	Base Flow (gpm)	Pattern	Demand (Calculated) (gpm)	Calculated Hydraulic Grade (ft)	Pressure (psi)
V-9	1,573.80	Zone - 2	Demand	0.00	Fixed	0.00	1,783.33	90.66
V-10	1,573.80	Zone - 2	Demand	0.00	Fixed	0.00	1,783.34	90.66
V-11	1,561.00	Zone - 2	Demand	0.00	Fixed	0.00	1,783.26	96.16
V-14	1,571.10	Zone - 2	Demand	0.00	Fixed	0.00	1,783.20	91.77
V-18	1,575.60	Zone - 2	Demand	0.00	Fixed	0.00	1,783.34	89.88
V-20	1,573.00	Zone - 2	Demand	0.00	Fixed	0.00	1,783.26	90.97
V-21	1,573.00	Zone - 2	Demand	0.00	Fixed	0.00	1,783.26	90.97
V-27	1,577.00	Zone - 2	Demand	0.00	Fixed	0.00	1,783.34	89.27
V-29	1,578.00	Zone - 2	Demand	0.00	Fixed	0.00	1,783.34	88.84
V-30	1,577.00	Zone - 2	Demand	0.00	Fixed	0.00	1,783.34	89.27
V-32	1,577.00	Zone - 2	Demand	0.00	Fixed	0.00	1,783.35	89.28
V-36	1,573.50	Zone - 2	Demand	0.00	Fixed	0.00	1,783.38	90.80
V-38	1,573.50	Zone - 2	Demand	0.00	Fixed	0.00	1,783.39	90.81
V-47	1,585.00	Zone - 2	Demand	0.00	Fixed	0.00	1,783.68	85.96
V-51	1,591.00	Zone - 2	Demand	0.00	Fixed	0.00	1,783.73	83.38
V-53	1,591.00	Zone - 2	Demand	0.00	Fixed	0.00	1,783.73	83.38
V-55	1,595.90	Zone - 2	Demand	0.00	Fixed	0.00	1,783.76	81.28
V-58	1,595.90	Zone - 2	Demand	0.00	Fixed	0.00	1,783.76	81.28
V-61	1,589.50	Zone - 2	Demand	0.00	Fixed	0.00	1,783.72	84.03
V-62	1,589.50	Zone - 2	Demand	0.00	Fixed	0.00	1,783.72	84.03
V-65	1,580.00	Zone - 2	Demand	0.00	Fixed	0.00	1,783.49	88.04
V-66	1,581.00	Zone - 2	Demand	0.00	Fixed	0.00	1,783.54	87.63
V-67	1,581.00	Zone - 2	Demand	0.00	Fixed	0.00	1,783.56	87.64
V-68	1,581.00	Zone - 2	Demand	0.00	Fixed	0.00	1,783.55	87.64
V-71	1,579.40	Zone - 2	Demand	0.00	Fixed	0.00	1,783.55	88.33
V-72	1,582.00	Zone - 2	Demand	0.00	Fixed	0.00	1,783.55	87.20
V-76	1,585.00	Zone - 2	Demand	0.00	Fixed	0.00	1,783.65	85.94
V-77	1,587.50	Zone - 2	Demand	0.00	Fixed	0.00	1,783.67	84.87
V-78	1,590.00	Zone - 2	Demand	0.00	Fixed	0.00	1,783.69	83.80
V-79	1,590.00	Zone - 2	Demand	0.00	Fixed	0.00	1,783.69	83.80
V-80	1,590.00	Zone - 2	Demand	0.00	Fixed	0.00	1,783.70	83.80
V-83	1,590.00	Zone - 2	Demand	0.00	Fixed	0.00	1,783.70	83.81
V-86	1,588.00	Zone - 2	Demand	0.00	Fixed	0.00	1,783.71	84.67
V-88	1,592.80	Zone - 2	Demand	0.00	Fixed	0.00	1,783.76	82.62
V-90	1,592.80	Zone - 2	Demand	0.00	Fixed	0.00	1,783.77	82.63
V-91	1,592.80	Zone - 2	Demand	0.00	Fixed	0.00	1,783.77	82.62
V-93	1,583.00	Zone - 2	Demand	0.00	Fixed	0.00	1,783.77	86.86
V-96	1,597.00	Zone - 2	Demand	0.00	Fixed	0.00	1,783.85	80.84
V-97	1,594.20	Zone - 2	Demand	0.00	Fixed	0.00	1,783.85	82.05
V-99	1,594.20	Zone - 2	Demand	0.00	Fixed	0.00	1,783.86	82.06
V-100	1,594.20	Zone - 2	Demand	0.00	Fixed	0.00	1,783.86	82.06
V-101	1,594.20	Zone - 2	Demand	0.00	Fixed	0.00	1,783.86	82.06
V-102	1,592.50	Zone - 2	Demand	0.00	Fixed	0.00	1,783.86	82.79
V-104	1,591.50	Zone - 2	Demand	0.00	Fixed	0.00	1,783.86	83.23
V-105	1,592.50	Zone - 2	Demand	0.00	Fixed	0.00	1,783.87	82.80
V-106	1,591.50	Zone - 2	Demand	0.00	Fixed	0.00	1,783.86	83.23
V-109	1,597.00	Zone - 2	Demand	0.00	Fixed	0.00	1,783.86	80.84
V-110	1,597.00	Zone - 2	Demand	0.00	Fixed	0.00	1,783.86	80.85
V-113	1,607.70	Zone - 2	Demand	0.00	Fixed	0.00	1,783.94	76.25
V-114	1,603.60	Zone - 2	Demand	0.00	Fixed	0.00	1,783.94	78.02
V-117	1,599.80	Zone - 2	Demand	0.00	Fixed	0.00	1,783.93	79.66

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Label	Elevation (ft)	Zone	Type	Base Flow (gpm)	Pattern	Demand (Calculated) (gpm)	Calculated Hydraulic Grade (ft)	Pressure (psi)
V-120	1,599.80	Zone - 2	Demand	0.00	Fixed	0.00	1,783.94	79.67
V-121	1,599.80	Zone - 2	Demand	0.00	Fixed	0.00	1,783.94	79.67
V-123	1,598.50	Zone - 2	Demand	0.00	Fixed	0.00	1,783.93	80.23
V-124	1,598.50	Zone - 2	Demand	0.00	Fixed	0.00	1,783.93	80.23
V-126	1,598.50	Zone - 2	Demand	0.00	Fixed	0.00	1,783.92	80.22
V-127	1,598.50	Zone - 2	Demand	0.00	Fixed	0.00	1,783.92	80.22
V-130	1,595.70	Zone - 2	Demand	0.00	Fixed	0.00	1,783.90	81.43
V-131	1,600.50	Zone - 2	Demand	0.00	Fixed	0.00	1,784.02	79.40
V-133	1,600.50	Zone - 2	Demand	0.00	Fixed	0.00	1,784.03	79.41
V-134	1,600.50	Zone - 2	Demand	0.00	Fixed	0.00	1,784.02	79.40
V-135	1,600.50	Zone - 2	Demand	0.00	Fixed	0.00	1,784.02	79.40
V-137	1,601.20	Zone - 2	Demand	0.00	Fixed	0.00	1,784.12	79.14
V-139	1,602.80	Zone - 2	Demand	0.00	Fixed	0.00	1,784.14	78.46
V-140	1,602.80	Zone - 2	Demand	0.00	Fixed	0.00	1,784.12	78.45
V-142	1,602.80	Zone - 2	Demand	0.00	Fixed	0.00	1,784.12	78.45
V-143	1,602.80	Zone - 2	Demand	0.00	Fixed	0.00	1,784.17	78.47
V-144	1,601.20	Zone - 2	Demand	0.00	Fixed	0.00	1,784.18	79.17
V-146	1,602.00	Zone - 2	Demand	0.00	Fixed	0.00	1,784.05	78.77
V-150	1,603.30	Zone - 2	Demand	0.00	Fixed	0.00	1,783.94	78.15
V-151	1,604.50	Zone - 2	Demand	0.00	Fixed	0.00	1,784.02	77.67
V-152	1,604.50	Zone - 2	Demand	0.00	Fixed	0.00	1,784.02	77.67
V-156	1,605.80	Zone - 2	Demand	0.00	Fixed	0.00	1,784.02	77.11
V-159	1,612.80	Zone - 2	Demand	0.00	Fixed	0.00	1,784.04	74.09
V-161	1,612.80	Zone - 2	Demand	0.00	Fixed	0.00	1,784.04	74.09
V-163	1,610.60	Zone - 2	Demand	0.00	Fixed	0.00	1,784.01	75.03
V-165	1,614.90	Zone - 2	Demand	0.00	Fixed	0.00	1,784.11	73.21
V-167	1,620.00	Zone - 2	Demand	0.00	Fixed	0.00	1,784.28	71.08
V-169	1,620.00	Zone - 2	Demand	0.00	Fixed	0.00	1,784.30	71.08
V-170	1,620.00	Zone - 2	Demand	0.00	Fixed	0.00	1,784.30	71.09
V-172	1,620.70	Zone - 2	Demand	0.00	Fixed	0.00	1,784.34	70.80
V-173	1,619.40	Zone - 2	Demand	0.00	Fixed	0.00	1,784.35	71.37
V-174	1,615.90	Zone - 2	Demand	0.00	Fixed	0.00	1,784.37	72.89
V-176	1,615.90	Zone - 2	Demand	0.00	Fixed	0.00	1,784.40	72.90
V-177	1,615.90	Zone - 2	Demand	0.00	Fixed	0.00	1,784.37	72.89
V-178	1,615.90	Zone - 2	Demand	0.00	Fixed	0.00	1,784.37	72.89
V-181	1,621.40	Zone - 2	Demand	0.00	Fixed	0.00	1,784.37	70.51
V-182	1,613.90	Zone - 2	Demand	0.00	Fixed	0.00	1,784.73	73.91
V-184	1,613.90	Zone - 2	Demand	0.00	Fixed	0.00	1,784.75	73.92
V-186	1,619.80	Zone - 2	Demand	0.00	Fixed	0.00	1,784.37	71.20
V-188	1,619.80	Zone - 2	Demand	0.00	Fixed	0.00	1,784.36	71.20
V-196	1,617.70	Zone - 2	Demand	0.00	Fixed	0.00	1,784.72	72.26
V-197	1,617.70	Zone - 2	Demand	0.00	Fixed	0.00	1,784.76	72.28
V-200	1,617.70	Zone - 2	Demand	0.00	Fixed	0.00	1,784.77	72.28
V-203	1,612.40	Zone - 2	Demand	0.00	Fixed	0.00	1,784.84	74.60
V-204	1,612.40	Zone - 2	Demand	0.00	Fixed	0.00	1,784.83	74.60
V-206	1,611.70	Zone - 2	Demand	0.00	Fixed	0.00	1,784.89	74.93
V-207	1,611.70	Zone - 2	Demand	0.00	Fixed	0.00	1,784.90	74.94
V-210	1,612.20	Zone - 2	Demand	0.00	Fixed	0.00	1,784.95	74.74
V-211	1,612.20	Zone - 2	Demand	0.00	Fixed	0.00	1,784.95	74.74
V-212	1,612.40	Zone - 2	Demand	0.00	Fixed	0.00	1,784.98	74.67
V-215	1,612.40	Zone - 2	Demand	0.00	Fixed	0.00	1,784.99	74.67

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Label	Elevation (ft)	Zone	Type	Base Flow (gpm)	Pattern	Demand (Calculated) (gpm)	Calculated Hydraulic Grade (ft)	Pressure (psi)
V-216	1,612.40	Zone - 2	Demand	0.00	Fixed	0.00	1,785.00	74.67
V-217	1,612.40	Zone - 2	Demand	0.00	Fixed	0.00	1,785.00	74.68
V-220	1,609.30	Zone - 2	Demand	0.00	Fixed	0.00	1,784.98	76.01
V-222	1,609.30	Zone - 2	Demand	0.00	Fixed	0.00	1,784.98	76.01
V-223	1,609.30	Zone - 2	Demand	0.00	Fixed	0.00	1,784.96	76.00
V-226	1,603.80	Zone - 2	Demand	0.00	Fixed	0.00	1,785.06	78.42
V-227	1,603.80	Zone - 2	Demand	0.00	Fixed	0.00	1,785.07	78.43
V-228	1,603.80	Zone - 2	Demand	0.00	Fixed	0.00	1,785.06	78.42
V-231	1,603.50	Zone - 2	Demand	0.00	Fixed	0.00	1,785.15	78.59
V-233	1,603.50	Zone - 2	Demand	0.00	Fixed	0.00	1,785.16	78.60
V-234	1,603.50	Zone - 2	Demand	0.00	Fixed	0.00	1,785.16	78.59
V-235	1,599.40	Zone - 2	Demand	0.00	Fixed	0.00	1,785.24	80.40
V-237	1,599.40	Zone - 2	Demand	0.00	Fixed	0.00	1,785.24	80.41
V-240	1,594.40	Zone - 2	Demand	0.00	Fixed	0.00	1,785.29	82.59
V-243	1,599.00	Zone - 2	Demand	0.00	Fixed	0.00	1,785.34	80.62
V-245	1,599.00	Zone - 2	Demand	0.00	Fixed	0.00	1,785.34	80.62
V-246	1,599.00	Zone - 2	Demand	0.00	Fixed	0.00	1,785.38	80.64
V-248	1,599.00	Zone - 2	Demand	0.00	Fixed	0.00	1,785.38	80.64
V-249	1,594.00	Zone - 2	Demand	0.00	Fixed	0.00	1,785.31	82.77
V-252	1,599.00	Zone - 2	Demand	0.00	Fixed	0.00	1,785.38	80.64
V-255	1,603.90	Zone - 2	Demand	0.00	Fixed	0.00	1,785.57	78.60
V-257	1,603.90	Zone - 2	Demand	0.00	Fixed	0.00	1,785.56	78.60
V-259	1,603.90	Zone - 2	Demand	0.00	Fixed	0.00	1,785.74	78.67
V-260	1,603.90	Zone - 2	Demand	0.00	Fixed	0.00	1,785.69	78.65
V-264	1,645.00	Zone - 2	Demand	0.00	Fixed	0.00	1,786.82	61.36
V-267	1,609.60	Zone - 2	Demand	0.00	Fixed	0.00	1,786.30	76.45
V-269	1,609.60	Zone - 2	Demand	0.00	Fixed	0.00	1,785.40	76.06
V-270	1,609.60	Zone - 2	Demand	0.00	Fixed	0.00	1,785.78	76.22
V-272	1,607.00	Zone - 2	Demand	0.00	Fixed	0.00	1,785.32	77.15
V-274	1,607.00	Zone - 2	Demand	0.00	Fixed	0.00	1,785.30	77.14
V-275	1,607.00	Zone - 2	Demand	0.00	Fixed	0.00	1,785.31	77.15
V-277	1,605.70	Zone - 2	Demand	0.00	Fixed	0.00	1,785.27	77.69
V-279	1,605.20	Zone - 2	Demand	0.00	Fixed	0.00	1,785.23	77.89
V-281	1,605.20	Zone - 2	Demand	0.00	Fixed	0.00	1,785.23	77.89
V-283	1,673.30	Zone - 2	Demand	0.00	Fixed	0.00	1,787.62	49.46
V-284	1,673.30	Zone - 2	Demand	0.00	Fixed	0.00	1,787.62	49.46
V-288	1,640.00	Zone - 2	Demand	0.00	Fixed	0.00	1,787.89	63.98
V-290	1,715.00	Zone - 5	Demand	0.00	Fixed	0.00	1,788.09	31.62
V-293	1,726.80	Zone - 5	Demand	0.00	Fixed	0.00	1,788.53	26.71
V-295	1,744.40	Reservoir Zone	Demand	0.00	Fixed	0.00	1,788.84	19.23
V-298	1,670.00	Zone - 2	Demand	0.00	Fixed	0.00	1,787.33	50.76
V-300	1,613.50	Zone - 2	Demand	0.00	Fixed	0.00	1,785.23	74.30
V-302	1,613.50	Zone - 2	Demand	0.00	Fixed	0.00	1,785.22	74.29
V-303	1,613.50	Zone - 2	Demand	0.00	Fixed	0.00	1,785.21	74.29
V-304	1,613.50	Zone - 2	Demand	0.00	Fixed	0.00	1,785.26	74.31
V-306	1,645.00	Zone - 2	Demand	0.00	Fixed	0.00	1,786.88	61.38
V-307	1,609.80	Zone - 2	Demand	0.00	Fixed	0.00	1,785.15	75.87
V-310	1,609.80	Zone - 2	Demand	0.00	Fixed	0.00	1,785.12	75.85
V-311	1,609.80	Zone - 2	Demand	0.00	Fixed	0.00	1,785.11	75.85
V-313	1,609.80	Zone - 2	Demand	0.00	Fixed	0.00	1,785.10	75.85
V-314	1,616.70	Zone - 2	Demand	0.00	Fixed	0.00	1,784.85	72.75

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Label	Elevation (ft)	Zone	Type	Base Flow (gpm)	Pattern	Demand (Calculated) (gpm)	Calculated Hydraulic Grade (ft)	Pressure (psi)
V-316	1,616.70	Zone - 2	Demand	0.00	Fixed	0.00	1,784.85	72.75
V-318	1,615.90	Zone - 2	Demand	0.00	Fixed	0.00	1,784.90	73.12
V-320	1,615.90	Zone - 2	Demand	0.00	Fixed	0.00	1,784.91	73.12
V-321	1,615.90	Zone - 2	Demand	0.00	Fixed	0.00	1,784.91	73.12
V-323	1,615.10	Zone - 2	Demand	0.00	Fixed	0.00	1,784.96	73.49
V-324	1,615.10	Zone - 2	Demand	0.00	Fixed	0.00	1,784.96	73.49
V-326	1,615.10	Zone - 2	Demand	0.00	Fixed	0.00	1,784.97	73.49
V-328	1,614.40	Zone - 2	Demand	0.00	Fixed	0.00	1,785.01	73.81
V-329	1,613.60	Zone - 2	Demand	0.00	Fixed	0.00	1,785.02	74.17
V-330	1,613.60	Zone - 2	Demand	0.00	Fixed	0.00	1,785.03	74.17
V-331	1,613.60	Zone - 2	Demand	0.00	Fixed	0.00	1,785.02	74.17
V-332	1,613.60	Zone - 2	Demand	0.00	Fixed	0.00	1,785.02	74.16
V-334	1,605.70	Zone - 2	Demand	0.00	Fixed	0.00	1,785.02	77.58
V-337	1,605.70	Zone - 2	Demand	0.00	Fixed	0.00	1,785.03	77.59
V-338	1,605.70	Zone - 2	Demand	0.00	Fixed	0.00	1,785.03	77.59
V-339	1,605.70	Zone - 2	Demand	0.00	Fixed	0.00	1,785.03	77.59
V-340	1,603.50	Zone - 2	Demand	0.00	Fixed	0.00	1,785.05	78.55
V-342	1,603.50	Zone - 2	Demand	0.00	Fixed	0.00	1,785.05	78.55
V-343	1,603.50	Zone - 2	Demand	0.00	Fixed	0.00	1,785.05	78.55
V-346	1,603.70	Zone - 2	Demand	0.00	Fixed	0.00	1,785.06	78.46
V-348	1,605.40	Zone - 2	Demand	0.00	Fixed	0.00	1,785.06	77.73
V-350	1,605.40	Zone - 2	Demand	0.00	Fixed	0.00	1,785.07	77.74
V-351	1,605.40	Zone - 2	Demand	0.00	Fixed	0.00	1,785.06	77.73
V-352	1,605.40	Zone - 2	Demand	0.00	Fixed	0.00	1,785.08	77.74
V-354	1,610.50	Zone - 2	Demand	0.00	Fixed	0.00	1,785.03	75.51
V-355	1,609.30	Zone - 2	Demand	0.00	Fixed	0.00	1,785.03	76.03
V-357	1,609.30	Zone - 2	Demand	0.00	Fixed	0.00	1,785.03	76.03
V-358	1,609.30	Zone - 2	Demand	0.00	Fixed	0.00	1,785.03	76.03
V-360	1,608.90	Zone - 2	Demand	0.00	Fixed	0.00	1,785.03	76.20
V-363	1,608.90	Zone - 2	Demand	0.00	Fixed	0.00	1,785.03	76.20
V-364	1,608.90	Zone - 2	Demand	0.00	Fixed	0.00	1,785.03	76.20
V-365	1,608.90	Zone - 2	Demand	0.00	Fixed	0.00	1,785.03	76.20
V-368	1,609.10	Zone - 2	Demand	0.00	Fixed	0.00	1,785.03	76.12
V-369	1,609.60	Zone - 2	Demand	0.00	Fixed	0.00	1,785.03	75.90
V-370	1,609.60	Zone - 2	Demand	0.00	Fixed	0.00	1,785.04	75.90
V-371	1,609.60	Zone - 2	Demand	0.00	Fixed	0.00	1,785.03	75.90
V-374	1,616.10	Zone - 2	Demand	0.00	Fixed	0.00	1,785.11	73.12
V-375	1,616.10	Zone - 2	Demand	0.00	Fixed	0.00	1,785.10	73.12
V-378	1,621.15	Zone - 2	Demand	0.00	Fixed	0.00	1,785.06	70.92
V-379	1,621.15	Zone - 2	Demand	0.00	Fixed	0.00	1,785.06	70.92
V-380	1,621.15	Zone - 2	Demand	0.00	Fixed	0.00	1,785.06	70.92
V-385	1,616.30	Zone - 2	Demand	0.00	Fixed	0.00	1,785.05	73.01
V-386	1,616.30	Zone - 2	Demand	0.00	Fixed	0.00	1,785.05	73.01
V-388	1,614.20	Zone - 2	Demand	0.00	Fixed	0.00	1,785.05	73.92
V-389	1,614.20	Zone - 2	Demand	0.00	Fixed	0.00	1,785.05	73.92
V-390	1,614.20	Zone - 2	Demand	0.00	Fixed	0.00	1,785.05	73.92
V-392	1,615.00	Zone - 2	Demand	0.00	Fixed	0.00	1,785.06	73.58
V-394	1,617.00	Zone - 2	Demand	0.00	Fixed	0.00	1,785.07	72.71
V-396	1,617.00	Zone - 2	Demand	0.00	Fixed	0.00	1,785.07	72.72
V-397	1,617.00	Zone - 2	Demand	0.00	Fixed	0.00	1,785.07	72.71
V-399	1,617.00	Zone - 2	Demand	0.00	Fixed	0.00	1,785.06	72.71

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Label	Elevation (ft)	Zone	Type	Base Flow (gpm)	Pattern	Demand (Calculated) (gpm)	Calculated Hydraulic Grade (ft)	Pressure (psi)
V-402	1,616.90	Zone - 2	Demand	0.00	Fixed	0.00	1,785.00	72.73
V-404	1,616.90	Zone - 2	Demand	0.00	Fixed	0.00	1,785.00	72.73
V-405	1,616.90	Zone - 2	Demand	0.00	Fixed	0.00	1,785.00	72.73
V-406	1,618.70	Zone - 2	Demand	0.00	Fixed	0.00	1,784.97	71.94
V-408	1,618.70	Zone - 2	Demand	0.00	Fixed	0.00	1,784.98	71.94
V-410	1,618.70	Zone - 2	Demand	0.00	Fixed	0.00	1,784.96	71.93
V-411	1,618.70	Zone - 2	Demand	0.00	Fixed	0.00	1,784.96	71.93
V-414	1,620.60	Zone - 2	Demand	0.00	Fixed	0.00	1,784.91	71.09
V-415	1,620.60	Zone - 2	Demand	0.00	Fixed	0.00	1,784.91	71.09
V-417	1,621.60	Zone - 2	Demand	0.00	Fixed	0.00	1,784.85	70.63
V-418	1,621.60	Zone - 2	Demand	0.00	Fixed	0.00	1,784.84	70.63
V-420	1,621.60	Zone - 2	Demand	0.00	Fixed	0.00	1,784.85	70.63
V-421	1,621.60	Zone - 2	Demand	0.00	Fixed	0.00	1,784.85	70.63
V-423	1,621.60	Zone - 2	Demand	0.00	Fixed	0.00	1,784.84	70.63
V-426	1,622.80	Zone - 2	Demand	0.00	Fixed	0.00	1,784.83	70.10
V-428	1,622.80	Zone - 2	Demand	0.00	Fixed	0.00	1,784.83	70.10
V-429	1,622.80	Zone - 2	Demand	0.00	Fixed	0.00	1,784.84	70.11
V-431	1,627.50	Zone - 2	Demand	0.00	Fixed	0.00	1,784.77	68.04
V-432	1,627.30	Zone - 2	Demand	0.00	Fixed	0.00	1,784.75	68.12
V-436	1,631.90	Zone - 2	Demand	0.00	Fixed	0.00	1,784.61	66.07
V-438	1,631.90	Zone - 2	Demand	0.00	Fixed	0.00	1,784.60	66.07
V-439	1,631.90	Zone - 2	Demand	0.00	Fixed	0.00	1,784.59	66.06
V-440	1,634.50	Zone - 2	Demand	0.00	Fixed	0.00	1,784.53	64.91
V-442	1,634.50	Zone - 2	Demand	0.00	Fixed	0.00	1,784.52	64.91
V-444	1,637.30	Zone - 2	Demand	0.00	Fixed	0.00	1,784.46	63.67
V-446	1,637.30	Zone - 2	Demand	0.00	Fixed	0.00	1,784.46	63.67
V-447	1,637.30	Zone - 2	Demand	0.00	Fixed	0.00	1,784.45	63.66
V-448	1,637.90	Zone - 2	Demand	0.00	Fixed	0.00	1,784.43	63.40
V-450	1,637.90	Zone - 2	Demand	0.00	Fixed	0.00	1,784.42	63.39
V-451	1,637.90	Zone - 2	Demand	0.00	Fixed	0.00	1,784.43	63.39
V-455	1,638.90	Zone - 2	Demand	0.00	Fixed	0.00	1,784.40	62.95
V-456	1,638.90	Zone - 2	Demand	0.00	Fixed	0.00	1,784.40	62.95
V-457	1,638.90	Zone - 2	Demand	0.00	Fixed	0.00	1,784.40	62.95
V-459	1,640.60	Zone - 2	Demand	0.00	Fixed	0.00	1,784.39	62.21
V-460	1,641.70	Zone - 2	Demand	0.00	Fixed	0.00	1,784.39	61.73
V-462	1,641.70	Zone - 2	Demand	0.00	Fixed	0.00	1,784.38	61.73
V-463	1,641.70	Zone - 2	Demand	0.00	Fixed	0.00	1,784.38	61.73
V-466	1,646.98	Zone - 2	Demand	0.00	Fixed	0.00	1,784.35	59.43
V-467	1,646.98	Zone - 2	Demand	0.00	Fixed	0.00	1,784.34	59.43
V-468	1,646.98	Zone - 2	Demand	0.00	Fixed	0.00	1,784.34	59.43
V-469	1,646.98	Zone - 2	Demand	0.00	Fixed	0.00	1,784.35	59.43
V-474	1,645.20	Zone - 2	Demand	0.00	Fixed	0.00	1,784.32	60.19
V-475	1,645.20	Zone - 2	Demand	0.00	Fixed	0.00	1,784.32	60.19
V-479	1,648.90	Zone - 2	Demand	0.00	Fixed	0.00	1,784.31	58.58
V-481	1,648.90	Zone - 2	Demand	0.00	Fixed	0.00	1,784.31	58.59
V-483	1,652.30	Zone - 2	Demand	0.00	Fixed	0.00	1,784.31	57.12
V-484	1,652.30	Zone - 2	Demand	0.00	Fixed	0.00	1,784.31	57.11
V-488	1,650.50	Zone - 2	Demand	0.00	Fixed	0.00	1,784.34	57.90
V-491	1,658.90	Zone - 2	Demand	0.00	Fixed	0.00	1,784.31	54.26
V-493	1,658.90	Zone - 2	Demand	0.00	Fixed	0.00	1,784.31	54.26
V-494	1,658.00	Zone - 2	Demand	0.00	Fixed	0.00	1,784.31	54.65

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Label	Elevation (ft)	Zone	Type	Base Flow (gpm)	Pattern	Demand (Calculated) (gpm)	Calculated Hydraulic Grade (ft)	Pressure (psi)
V-496	1,682.90	Zone - 4	Demand	0.00	Fixed	0.00	1,784.33	43.88
V-497	1,676.50	Zone - 2	Demand	0.00	Fixed	0.00	1,784.33	46.65
V-499	1,670.10	Zone - 2	Demand	0.00	Fixed	0.00	1,784.33	49.42
V-501	1,664.30	Zone - 2	Demand	0.00	Fixed	0.00	1,784.33	51.93
V-502	1,661.50	Zone - 2	Demand	0.00	Fixed	0.00	1,784.33	53.14
V-504	1,661.50	Zone - 2	Demand	0.00	Fixed	0.00	1,784.33	53.14
V-505	1,661.50	Zone - 2	Demand	0.00	Fixed	0.00	1,784.33	53.14
V-506	1,659.50	Zone - 2	Demand	0.00	Fixed	0.00	1,784.33	54.01
V-507	1,659.50	Zone - 2	Demand	0.00	Fixed	0.00	1,784.33	54.01
V-508	1,659.50	Zone - 2	Demand	0.00	Fixed	0.00	1,784.33	54.01
V-511	1,658.00	Zone - 2	Demand	0.00	Fixed	0.00	1,784.34	54.66
V-512	1,658.00	Zone - 2	Demand	0.00	Fixed	0.00	1,784.34	54.66
V-513	1,658.00	Zone - 2	Demand	0.00	Fixed	0.00	1,784.34	54.66
V-515	1,653.60	Zone - 2	Demand	0.00	Fixed	0.00	1,784.34	56.57
V-516	1,653.60	Zone - 2	Demand	0.00	Fixed	0.00	1,784.34	56.57
V-517	1,653.60	Zone - 2	Demand	0.00	Fixed	0.00	1,784.34	56.57
V-518	1,653.60	Zone - 2	Demand	0.00	Fixed	0.00	1,784.34	56.57
V-519	1,650.60	Zone - 2	Demand	0.00	Fixed	0.00	1,784.35	57.87
V-521	1,650.60	Zone - 2	Demand	0.00	Fixed	0.00	1,784.35	57.87
V-523	1,649.40	Zone - 2	Demand	0.00	Fixed	0.00	1,784.36	58.39
V-525	1,649.40	Zone - 2	Demand	0.00	Fixed	0.00	1,784.36	58.39
V-526	1,649.40	Zone - 2	Demand	0.00	Fixed	0.00	1,784.36	58.39
V-528	1,644.40	Zone - 2	Demand	0.00	Fixed	0.00	1,784.39	60.57
V-530	1,644.40	Zone - 2	Demand	0.00	Fixed	0.00	1,784.39	60.57
V-531	1,644.40	Zone - 2	Demand	0.00	Fixed	0.00	1,784.39	60.57
V-532	1,644.40	Zone - 2	Demand	0.00	Fixed	0.00	1,784.39	60.57
V-535	1,643.10	Zone - 2	Demand	0.00	Fixed	0.00	1,784.41	61.14
V-537	1,643.10	Zone - 2	Demand	0.00	Fixed	0.00	1,784.42	61.14
V-538	1,643.10	Zone - 2	Demand	0.00	Fixed	0.00	1,784.42	61.14
V-540	1,641.40	Zone - 2	Demand	0.00	Fixed	0.00	1,784.46	61.89
V-541	1,641.40	Zone - 2	Demand	0.00	Fixed	0.00	1,784.45	61.89
V-544	1,641.40	Zone - 2	Demand	0.00	Fixed	0.00	1,784.46	61.90
V-545	1,641.40	Zone - 2	Demand	0.00	Fixed	0.00	1,784.46	61.89
V-548	1,640.10	Zone - 2	Demand	0.00	Fixed	0.00	1,784.53	62.49
V-549	1,640.10	Zone - 2	Demand	0.00	Fixed	0.00	1,784.52	62.49
V-551	1,638.20	Zone - 2	Demand	0.00	Fixed	0.00	1,784.59	63.34
V-552	1,638.20	Zone - 2	Demand	0.00	Fixed	0.00	1,784.60	63.34
V-553	1,638.20	Zone - 2	Demand	0.00	Fixed	0.00	1,784.61	63.34
V-554	1,638.20	Zone - 2	Demand	0.00	Fixed	0.00	1,784.60	63.34
V-556	1,636.20	Zone - 2	Demand	0.00	Fixed	0.00	1,784.69	64.24
V-557	1,636.20	Zone - 2	Demand	0.00	Fixed	0.00	1,784.69	64.25
V-560	1,634.60	Zone - 2	Demand	0.00	Fixed	0.00	1,784.74	64.96
V-561	1,633.60	Zone - 2	Demand	0.00	Fixed	0.00	1,784.75	65.40
V-562	1,634.20	Zone - 2	Demand	0.00	Fixed	0.00	1,784.76	65.14
V-564	1,634.20	Zone - 2	Demand	0.00	Fixed	0.00	1,784.77	65.15
V-565	1,634.20	Zone - 2	Demand	0.00	Fixed	0.00	1,784.77	65.14
V-566	1,633.50	Zone - 2	Demand	0.00	Fixed	0.00	1,784.77	65.45
V-569	1,631.00	Zone - 2	Demand	0.00	Fixed	0.00	1,784.83	66.55
V-571	1,631.00	Zone - 2	Demand	0.00	Fixed	0.00	1,784.84	66.56
V-572	1,629.80	Zone - 2	Demand	0.00	Fixed	0.00	1,784.85	67.08
V-574	1,629.80	Zone - 2	Demand	0.00	Fixed	0.00	1,784.87	67.09

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Label	Elevation (ft)	Zone	Type	Base Flow (gpm)	Pattern	Demand (Calculated) (gpm)	Calculated Hydraulic Grade (ft)	Pressure (psi)
V-575	1,629.80	Zone - 2	Demand	0.00	Fixed	0.00	1,784.86	67.09
V-576	1,626.90	Zone - 2	Demand	0.00	Fixed	0.00	1,784.96	68.39
V-578	1,626.90	Zone - 2	Demand	0.00	Fixed	0.00	1,784.99	68.40
V-579	1,626.90	Zone - 2	Demand	0.00	Fixed	0.00	1,784.98	68.39
V-580	1,624.10	Zone - 2	Demand	0.00	Fixed	0.00	1,785.12	69.67
V-583	1,623.40	Zone - 2	Demand	0.00	Fixed	0.00	1,785.14	69.98
V-584	1,624.10	Zone - 2	Demand	0.00	Fixed	0.00	1,785.13	69.67
V-586	1,621.70	Zone - 2	Demand	0.00	Fixed	0.00	1,785.14	70.71
V-587	1,621.70	Zone - 2	Demand	0.00	Fixed	0.00	1,785.14	70.71
V-588	1,621.70	Zone - 2	Demand	0.00	Fixed	0.00	1,785.12	70.70
V-590	1,619.00	Zone - 2	Demand	0.00	Fixed	0.00	1,785.15	71.88
V-591	1,619.00	Zone - 2	Demand	0.00	Fixed	0.00	1,785.15	71.88
V-592	1,619.00	Zone - 2	Demand	0.00	Fixed	0.00	1,785.15	71.88
V-595	1,621.90	Zone - 2	Demand	0.00	Fixed	0.00	1,785.16	70.63
V-596	1,621.90	Zone - 2	Demand	0.00	Fixed	0.00	1,785.16	70.63
V-598	1,621.90	Zone - 2	Demand	0.00	Fixed	0.00	1,785.16	70.63
V-599	1,621.90	Zone - 2	Demand	0.00	Fixed	0.00	1,785.18	70.64
V-600	1,621.90	Zone - 2	Demand	0.00	Fixed	0.00	1,785.15	70.63
V-605	1,622.20	Zone - 2	Demand	0.00	Fixed	0.00	1,785.12	70.49
V-607	1,622.20	Zone - 2	Demand	0.00	Fixed	0.00	1,785.10	70.48
V-609	1,618.70	Zone - 2	Demand	0.00	Fixed	0.00	1,785.05	71.97
V-611	1,618.70	Zone - 2	Demand	0.00	Fixed	0.00	1,785.04	71.97
V-613	1,618.70	Zone - 2	Demand	0.00	Fixed	0.00	1,785.03	71.97
V-614	1,618.70	Zone - 2	Demand	0.00	Fixed	0.00	1,785.04	71.97
V-616	1,625.60	Zone - 2	Demand	0.00	Fixed	0.00	1,785.02	68.97
V-617	1,616.30	Zone - 2	Demand	0.00	Fixed	0.00	1,785.05	73.01
V-620	1,625.42	Zone - 2	Demand	0.00	Fixed	0.00	1,785.03	69.06
V-622	1,629.61	Zone - 2	Demand	0.00	Fixed	0.00	1,784.99	67.22
V-623	1,629.61	Zone - 2	Demand	0.00	Fixed	0.00	1,784.98	67.22
V-628	1,629.70	Zone - 2	Demand	0.00	Fixed	0.00	1,784.98	67.18
V-629	1,629.70	Zone - 2	Demand	0.00	Fixed	0.00	1,784.98	67.18
V-630	1,629.70	Zone - 2	Demand	0.00	Fixed	0.00	1,784.98	67.18
V-631	1,625.00	Zone - 2	Demand	0.00	Fixed	0.00	1,785.03	69.24
V-632	1,625.00	Zone - 2	Demand	0.00	Fixed	0.00	1,785.03	69.24
V-636	1,631.70	Zone - 2	Demand	0.00	Fixed	0.00	1,785.00	66.33
V-639	1,630.90	Zone - 2	Demand	0.00	Fixed	0.00	1,785.03	66.69
V-641	1,631.70	Zone - 2	Demand	0.00	Fixed	0.00	1,785.00	66.33
V-643	1,631.70	Zone - 2	Demand	0.00	Fixed	0.00	1,785.00	66.33
V-644	1,632.00	Zone - 2	Demand	0.00	Fixed	0.00	1,784.99	66.19
V-647	1,632.00	Zone - 2	Demand	0.00	Fixed	0.00	1,784.98	66.19
V-649	1,632.00	Zone - 2	Demand	0.00	Fixed	0.00	1,784.92	66.16
V-650	1,632.70	Zone - 2	Demand	0.00	Fixed	0.00	1,784.98	65.88
V-652	1,632.70	Zone - 2	Demand	0.00	Fixed	0.00	1,784.98	65.88
V-653	1,634.20	Zone - 2	Demand	0.00	Fixed	0.00	1,784.98	65.23
V-654	1,634.20	Zone - 2	Demand	0.00	Fixed	0.00	1,784.98	65.23
V-656	1,634.20	Zone - 2	Demand	0.00	Fixed	0.00	1,784.98	65.23
V-660	1,635.60	Zone - 2	Demand	0.00	Fixed	0.00	1,784.98	64.63
V-661	1,635.60	Zone - 2	Demand	0.00	Fixed	0.00	1,784.97	64.63
V-662	1,637.00	Zone - 2	Demand	0.00	Fixed	0.00	1,784.98	64.02
V-663	1,638.20	Zone - 2	Demand	0.00	Fixed	0.00	1,784.98	63.50
V-666	1,638.90	Zone - 2	Demand	0.00	Fixed	0.00	1,784.99	63.21

Scenario: 1. Peak Hour Demand
Steady State Analysis
Junction Report

Label	Elevation (ft)	Zone	Type	Base Flow (gpm)	Pattern	Demand (Calculated) (gpm)	Calculated Hydraulic Grade (ft)	Pressure (psi)
V-668	1,637.90	Zone - 2	Demand	0.00	Fixed	0.00	1,785.00	63.64
V-671	1,641.40	Zone - 2	Demand	0.00	Fixed	0.00	1,785.00	62.13
V-672	1,636.40	Zone - 2	Demand	0.00	Fixed	0.00	1,785.03	64.30
V-676	1,631.60	Zone - 2	Demand	0.00	Fixed	0.00	1,785.04	66.39
V-678	1,631.60	Zone - 2	Demand	0.00	Fixed	0.00	1,785.04	66.39
V-679	1,632.30	Zone - 2	Demand	0.00	Fixed	0.00	1,785.04	66.09
V-682	1,637.60	Zone - 2	Demand	0.00	Fixed	0.00	1,785.40	63.95
V-684	1,637.60	Zone - 2	Demand	0.00	Fixed	0.00	1,785.48	63.98
V-686	1,637.60	Zone - 2	Demand	0.00	Fixed	0.00	1,785.53	64.00
V-687	1,637.60	Zone - 2	Demand	0.00	Fixed	0.00	1,785.76	64.10
V-688	1,637.60	Zone - 2	Demand	0.00	Fixed	0.00	1,785.62	64.04
V-689	1,637.60	Zone - 2	Demand	0.00	Fixed	0.00	1,785.45	63.97
V-693	1,646.80	Zone - 2	Demand	0.00	Fixed	0.00	1,785.97	60.21
V-694	1,656.80	Zone - 2	Demand	0.00	Fixed	0.00	1,785.69	55.77
V-695	1,655.20	Zone - 2	Demand	0.00	Fixed	0.00	1,785.70	56.46
V-698	1,656.80	Zone - 2	Demand	0.00	Fixed	0.00	1,785.92	55.86
V-699	1,657.20	Zone - 2	Demand	0.00	Fixed	0.00	1,785.83	55.65
V-702	1,663.60	Zone - 2	Demand	0.00	Fixed	0.00	1,785.92	52.92
V-704	1,669.30	Zone - 2	Demand	0.00	Fixed	0.00	1,785.94	50.46
V-707	1,750.00	Zone - 1	Demand	0.00	Fixed	0.00	1,788.83	16.80
V-710	1,738.20	Zone - 1	Demand	0.00	Fixed	0.00	1,788.08	21.58
V-712	1,720.50	Zone - 1	Demand	0.00	Fixed	0.00	1,786.28	28.46
V-713	1,720.50	Zone - 1	Demand	0.00	Fixed	0.00	1,786.34	28.49
V-714	1,740.00	Zone - 1	Demand	0.00	Fixed	0.00	1,788.26	20.88
V-716	1,721.00	Zone - 1	Demand	0.00	Fixed	0.00	1,787.40	28.73
V-717	1,712.70	Zone - 1	Demand	0.00	Fixed	0.00	1,787.40	32.32
V-721	1,712.70	Zone - 1	Demand	0.00	Fixed	0.00	1,787.21	32.24
V-722	1,694.70	Zone - 2	Demand	0.00	Fixed	0.00	1,786.40	39.67
V-724	1,694.70	Zone - 2	Demand	0.00	Fixed	0.00	1,786.27	39.62
V-725	1,694.70	Zone - 2	Demand	0.00	Fixed	0.00	1,786.32	39.64
V-726	1,694.70	Zone - 2	Demand	0.00	Fixed	0.00	1,786.31	39.63
V-728	1,685.90	Zone - 1	Demand	0.00	Fixed	0.00	1,786.40	43.48
V-730	1,685.90	Zone - 1	Demand	0.00	Fixed	0.00	1,786.22	43.41
V-731	1,685.90	Zone - 1	Demand	0.00	Fixed	0.00	1,786.18	43.38
V-732	1,685.40	Zone - 1	Demand	0.00	Fixed	0.00	1,786.26	43.64
V-734	1,683.50	Zone - 1	Demand	0.00	Fixed	0.00	1,786.44	44.54
V-736	1,683.50	Zone - 1	Demand	0.00	Fixed	0.00	1,786.72	44.66
V-738	1,666.10	Zone - 2	Demand	0.00	Fixed	0.00	1,786.13	51.93
V-740	1,666.10	Zone - 2	Demand	0.00	Fixed	0.00	1,786.04	51.89
V-741	1,666.10	Zone - 2	Demand	0.00	Fixed	0.00	1,786.11	51.92
V-742	1,666.10	Zone - 2	Demand	0.00	Fixed	0.00	1,786.07	51.91
V-744	1,655.50	Zone - 2	Demand	0.00	Fixed	0.00	1,785.93	56.43
V-746	1,655.50	Zone - 2	Demand	0.00	Fixed	0.00	1,785.96	56.45
V-747	1,655.50	Zone - 2	Demand	0.00	Fixed	0.00	1,785.95	56.44
V-751	1,626.50	Zone - 2	Demand	0.00	Fixed	0.00	1,785.43	68.76
V-752	1,624.10	Zone - 2	Demand	0.00	Fixed	0.00	1,785.18	69.69
V-755	1,684.90	Zone - 1	Demand	0.00	Fixed	0.00	1,785.95	43.72
V-756	1,684.90	Zone - 1	Demand	0.00	Fixed	0.00	1,785.92	43.70
V-758	1,684.90	Zone - 1	Demand	0.00	Fixed	0.00	1,785.88	43.69
V-759	1,673.20	Zone - 2	Demand	0.00	Fixed	0.00	1,785.55	48.61
V-761	1,673.20	Zone - 2	Demand	0.00	Fixed	0.00	1,785.47	48.57

Scenario: 1. Peak Hour Demand
Steady State Analysis
Junction Report

Label	Elevation (ft)	Zone	Type	Base Flow (gpm)	Pattern	Demand (Calculated) (gpm)	Calculated Hydraulic Grade (ft)	Pressure (psi)
V-762	1,673.20	Zone - 2	Demand	0.00	Fixed	0.00	1,785.49	48.58
V-765	1,651.80	Zone - 2	Demand	0.00	Fixed	0.00	1,785.13	57.69
V-767	1,651.80	Zone - 2	Demand	0.00	Fixed	0.00	1,785.09	57.67
V-770	1,637.33	Zone - 2	Demand	0.00	Fixed	0.00	1,784.81	63.81
V-772	1,637.33	Zone - 2	Demand	0.00	Fixed	0.00	1,784.80	63.80
V-773	1,637.33	Zone - 2	Demand	0.00	Fixed	0.00	1,784.78	63.80
V-775	1,634.40	Zone - 2	Demand	0.00	Fixed	0.00	1,784.81	65.08
V-777	1,634.40	Zone - 2	Demand	0.00	Fixed	0.00	1,784.83	65.08
V-778	1,634.40	Zone - 2	Demand	0.00	Fixed	0.00	1,784.82	65.08
V-779	1,634.40	Zone - 2	Demand	0.00	Fixed	0.00	1,784.82	65.08
V-783	1,637.33	Zone - 2	Demand	0.00	Fixed	0.00	1,784.77	63.79
V-787	1,638.40	Zone - 2	Demand	0.00	Fixed	0.00	1,784.70	63.30
V-789	1,638.80	Zone - 2	Demand	0.00	Fixed	0.00	1,784.69	63.12
V-790	1,646.80	Zone - 2	Demand	0.00	Fixed	0.00	1,784.61	59.62
V-792	1,646.80	Zone - 2	Demand	0.00	Fixed	0.00	1,784.60	59.62
V-794	1,646.80	Zone - 2	Demand	0.00	Fixed	0.00	1,784.60	59.62
V-795	1,646.80	Zone - 2	Demand	0.00	Fixed	0.00	1,784.60	59.62
V-797	1,656.60	Zone - 2	Demand	0.00	Fixed	0.00	1,784.59	55.37
V-798	1,656.60	Zone - 2	Demand	0.00	Fixed	0.00	1,784.58	55.37
V-801	1,650.70	Zone - 2	Demand	0.00	Fixed	0.00	1,784.51	57.89
V-803	1,650.70	Zone - 2	Demand	0.00	Fixed	0.00	1,784.50	57.89
V-804	1,646.20	Zone - 2	Demand	0.00	Fixed	0.00	1,784.50	59.84
V-806	1,646.20	Zone - 2	Demand	0.00	Fixed	0.00	1,784.49	59.83
V-807	1,646.20	Zone - 2	Demand	0.00	Fixed	0.00	1,784.51	59.84
V-809	1,646.20	Zone - 2	Demand	0.00	Fixed	0.00	1,784.53	59.85
V-810	1,646.90	Zone - 2	Demand	0.00	Fixed	0.00	1,784.42	59.50
V-812	1,646.90	Zone - 2	Demand	0.00	Fixed	0.00	1,784.41	59.49
V-814	1,645.00	Zone - 2	Demand	0.00	Fixed	0.00	1,784.44	60.33
V-815	1,645.00	Zone - 2	Demand	0.00	Fixed	0.00	1,784.43	60.32
V-816	1,645.00	Zone - 2	Demand	0.00	Fixed	0.00	1,784.43	60.33
V-818	1,646.00	Zone - 2	Demand	0.00	Fixed	0.00	1,784.39	59.87
V-819	1,648.60	Zone - 2	Demand	0.00	Fixed	0.00	1,784.28	58.70
V-821	1,671.20	Zone - 3	Demand	0.00	Fixed	0.00	1,779.82	47.00
V-826	1,653.70	Zone - 2	Demand	0.00	Fixed	0.00	1,784.34	56.52
V-828	1,653.70	Zone - 2	Demand	0.00	Fixed	0.00	1,784.34	56.52
V-830	1,659.70	Zone - 2	Demand	0.00	Fixed	0.00	1,784.33	53.92
V-832	1,659.70	Zone - 2	Demand	0.00	Fixed	0.00	1,784.33	53.92
V-836	1,661.10	Zone - 2	Demand	0.00	Fixed	0.00	1,784.33	53.32
V-839	1,603.70	Zone - 2	Demand	0.00	Fixed	0.00	1,785.37	78.60
V-840	1,603.70	Zone - 2	Demand	0.00	Fixed	0.00	1,785.35	78.59
V-842	1,603.70	Zone - 2	Demand	0.00	Fixed	0.00	1,785.34	78.59
V-844	1,599.40	Zone - 2	Demand	0.00	Fixed	0.00	1,785.24	80.40
V-846	1,605.40	Zone - 2	Demand	0.00	Fixed	0.00	1,785.07	77.73
V834	1,661.10	Zone - 2	Demand	0.00	Fixed	0.00	1,784.33	53.32

Pipe

Scenario: 1. Peak Hour Demand
Steady State Analysis
Pipe Report

Label	Length (ft)	Diameter (in)	Material	Hazen-Williams C	Minor Loss Coefficient	Control Status	Discharge (gpm)	Pressure Pipe Headloss (ft)
P-1	490.00	6.0	PVC	150.0	0.00	Open	-8.29	0.00
P-2	30.00	6.0	PVC	150.0	0.00	Open	47.86	0.01
P-3	341.00	6.0	PVC	150.0	0.00	Open	47.86	0.07
P-4	64.00	6.0	PVC	150.0	0.00	Open	8.29	0.00
P-5	29.00	6.0	Asbestos Cement	140.0	0.00	Open	-29.31	0.00
P-7	519.00	6.0	Asbestos Cement	140.0	0.00	Open	-37.60	0.08
P-8	45.00	6.0	Asbestos Cement	140.0	0.00	Open	-37.60	0.01
P-9	20.00	6.0	PVC	150.0	0.00	Open	-45.89	0.00
P-10	149.00	6.0	PVC	150.0	0.00	Open	-45.89	0.03
P-11	104.00	6.0	PVC	150.0	0.00	Open	-45.89	0.02
P-12	33.00	6.0	Asbestos Cement	140.0	0.00	Open	-31.35	0.00
P-13	295.00	6.0	Asbestos Cement	140.0	0.00	Open	-31.35	0.03
P-14	296.00	6.0	Asbestos Cement	140.0	0.00	Open	1.64	0.00
P-15	37.00	6.0	Asbestos Cement	140.0	0.00	Open	1.64	0.00
P-16	43.00	6.0	Asbestos Cement	140.0	0.00	Open	-29.92	0.00
P-17	856.00	6.0	PVC	150.0	0.00	Open	-29.92	0.07
P-18	40.00	6.0	Asbestos Cement	140.0	0.00	Open	0.60	0.00
P-19	295.00	6.0	Asbestos Cement	140.0	0.00	Open	0.60	0.00
P-20	27.00	6.0	Asbestos Cement	140.0	0.00	Open	0.60	0.00
P-21	75.00	6.0	Asbestos Cement	140.0	0.00	Open	-15.78	0.00
P-22	325.00	6.0	Asbestos Cement	140.0	0.00	Open	8.09	0.00
P-23	252.00	6.0	Asbestos Cement	140.0	0.00	Open	10.56	0.00
P-24	48.00	6.0	Asbestos Cement	140.0	0.00	Open	10.56	0.00
P-25	40.00	6.0	Asbestos Cement	140.0	0.00	Open	10.56	0.00
P-26	91.00	6.0	Asbestos Cement	140.0	0.00	Open	-38.81	0.01
P-27	395.00	6.0	Asbestos Cement	140.0	0.00	Open	-38.81	0.06
P-28	117.00	6.0	Asbestos Cement	140.0	0.00	Open	-38.81	0.02
P-29	66.00	6.0	Asbestos Cement	140.0	0.00	Open	-38.81	0.01
P-30	1,573.00	6.0	Asbestos Cement	140.0	0.00	Open	-8.29	0.01
P-31	34.00	6.0	Asbestos Cement	140.0	0.00	Open	-8.29	0.00
P-32	29.00	6.0	Asbestos Cement	140.0	0.00	Open	87.01	0.02
P-33	234.00	6.0	Asbestos Cement	140.0	0.00	Open	87.01	0.16
P-34	20.00	6.0	Asbestos Cement	140.0	0.00	Open	12.82	0.00
P-35	123.00	6.0	Asbestos Cement	140.0	0.00	Open	12.82	0.00
P-36	164.00	6.0	Asbestos Cement	140.0	0.00	Open	65.90	0.07
P-37	63.00	6.0	Asbestos Cement	140.0	0.00	Open	18.80	0.00
P-38	563.00	6.0	Asbestos Cement	140.0	0.00	Open	18.80	0.02
P-39	126.00	6.0	Asbestos Cement	140.0	0.00	Open	2.22	0.00
P-40	45.00	6.0	Asbestos Cement	140.0	0.00	Open	8.29	0.00
P-41	140.00	6.0	Asbestos Cement	140.0	0.00	Open	8.29	0.00
P-42	55.00	6.0	Asbestos Cement	140.0	0.00	Open	0.00	0.00
P-43	474.00	6.0	PVC	150.0	0.00	Open	65.70	0.17
P-44	62.00	6.0	PVC	150.0	0.00	Open	65.70	0.02
P-45	216.00	6.0	PVC	150.0	0.00	Open	65.70	0.08
P-46	442.00	6.0	PVC	150.0	0.00	Open	65.70	0.16
P-47	473.00	6.0	PVC	150.0	0.00	Open	73.99	0.22
P-48	433.00	6.0	PVC	150.0	0.00	Open	73.99	0.20
P-49	62.00	6.0	PVC	150.0	0.00	Open	73.99	0.03
P-50	68.00	6.0	PVC	150.0	0.00	Open	73.99	0.03
P-51	47.00	6.0	PVC	150.0	0.00	Open	-4.15	0.00
P-52	36.00	6.0	PVC	150.0	0.00	Open	140.48	0.05

Scenario: 1. Peak Hour Demand
Steady State Analysis
Pipe Report

Label	Length (ft)	Diameter (in)	Material	Hazen-Williams C	Minor Loss Coefficient	Control Status	Discharge (gpm)	Pressure Pipe Headloss (ft)
P-53	420.00	6.0	PVC	150.0	0.00	Open	140.48	0.63
P-54	53.00	6.0	PVC	150.0	0.00	Open	140.48	0.08
P-55	282.00	6.0	PVC	150.0	0.00	Open	132.19	0.38
P-56	40.00	6.0	PVC	150.0	0.00	Open	132.19	0.05
P-57	23.00	6.0	Asbestos Cement	140.0	0.00	Open	-43.73	0.00
P-58	26.00	6.0	Asbestos Cement	140.0	0.00	Open	-43.73	0.01
P-59	429.00	6.0	Asbestos Cement	140.0	0.00	Open	-43.73	0.08
P-60	34.00	6.0	Asbestos Cement	140.0	0.00	Open	-43.73	0.01
P-61	404.00	6.0	Asbestos Cement	140.0	0.00	Open	114.30	0.47
P-62	45.00	6.0	Asbestos Cement	140.0	0.00	Open	114.30	0.05
P-63	22.00	6.0	Asbestos Cement	140.0	0.00	Open	114.30	0.03
P-64	64.00	6.0	Asbestos Cement	140.0	0.00	Open	57.22	0.02
P-65	328.00	6.0	Asbestos Cement	140.0	0.00	Open	57.22	0.11
P-66	232.00	6.0	Asbestos Cement	140.0	0.00	Open	-12.32	0.00
P-67	432.00	6.0	Asbestos Cement	140.0	0.00	Open	-12.32	0.01
P-68	20.00	6.0	Asbestos Cement	140.0	0.00	Open	-12.32	0.00
P-69	16.00	6.0	Asbestos Cement	140.0	0.00	Open	-109.92	0.02
P-70	40.00	6.0	Asbestos Cement	140.0	0.00	Open	-61.73	0.01
P-71	408.00	6.0	Asbestos Cement	140.0	0.00	Open	-61.73	0.15
P-72	23.00	6.0	Asbestos Cement	140.0	0.00	Open	-61.73	0.01
P-73	36.00	6.0	Asbestos Cement	140.0	0.00	Open	-24.85	0.00
P-74	514.00	6.0	Asbestos Cement	140.0	0.00	Open	-24.85	0.04
P-75	39.00	6.0	Asbestos Cement	140.0	0.00	Open	8.72	0.00
P-76	388.00	6.0	Asbestos Cement	140.0	0.00	Open	8.72	0.00
P-77	36.00	6.0	Asbestos Cement	140.0	0.00	Open	8.72	0.00
P-78	289.00	6.0	Asbestos Cement	140.0	0.00	Open	-34.65	0.04
P-79	26.00	6.0	Asbestos Cement	140.0	0.00	Open	-34.65	0.00
P-80	47.00	6.0	Asbestos Cement	140.0	0.00	Open	-67.81	0.02
P-81	374.00	6.0	Asbestos Cement	140.0	0.00	Open	-67.81	0.17
P-82	44.00	6.0	Asbestos Cement	140.0	0.00	Open	-67.81	0.02
P-83	39.00	6.0	Asbestos Cement	140.0	0.00	Open	-167.63	0.09
P-84	39.00	6.0	Asbestos Cement	140.0	0.00	Open	91.53	0.03
P-85	244.00	6.0	Asbestos Cement	140.0	0.00	Open	91.53	0.19
P-86	30.00	6.0	Asbestos Cement	140.0	0.00	Open	91.53	0.02
P-87	36.00	6.0	Asbestos Cement	140.0	0.00	Open	49.67	0.01
P-88	26.00	6.0	Asbestos Cement	140.0	0.00	Open	49.67	0.01
P-89	288.00	6.0	Asbestos Cement	140.0	0.00	Open	49.67	0.07
P-90	421.00	6.0	Asbestos Cement	140.0	0.00	Open	-26.80	0.03
P-91	42.00	6.0	Asbestos Cement	140.0	0.00	Open	-26.80	0.00
P-92	289.00	6.0	Asbestos Cement	140.0	0.00	Open	-35.09	0.04
P-93	29.00	6.0	Asbestos Cement	140.0	0.00	Open	-35.09	0.00
P-94	32.00	6.0	Asbestos Cement	140.0	0.00	Open	35.09	0.00
P-95	46.00	6.0	Asbestos Cement	140.0	0.00	Open	-16.58	0.00
P-96	42.00	6.0	Asbestos Cement	140.0	0.00	Open	8.29	0.00
P-97	54.00	6.0	Asbestos Cement	140.0	0.00	Open	7.70	0.00
P-98	46.00	6.0	Asbestos Cement	140.0	0.00	Open	56.49	0.01
P-99	268.00	6.0	Asbestos Cement	140.0	0.00	Open	56.49	0.08
P-100	26.00	6.0	Asbestos Cement	140.0	0.00	Open	68.17	0.01
P-101	15.00	6.0	Asbestos Cement	140.0	0.00	Open	59.88	0.01
P-102	25.00	6.0	Asbestos Cement	140.0	0.00	Open	16.16	0.00
P-103	46.00	6.0	Asbestos Cement	140.0	0.00	Open	16.16	0.00

Scenario: 1. Peak Hour Demand
Steady State Analysis
Pipe Report

Label	Length (ft)	Diameter (in)	Material	Hazen-Williams C	Minor Loss Coefficient	Control Status	Discharge (gpm)	Pressure Pipe Headloss (ft)
P-104	398.00	6.0	Asbestos Cement	140.0	0.00	Open	16.16	0.01
P-105	20.00	6.0	Asbestos Cement	140.0	0.00	Open	0.00	0.00
P-106	44.00	6.0	PVC	150.0	0.00	Open	35.43	0.01
P-107	696.00	6.0	PVC	150.0	0.00	Open	35.43	0.08
P-108	28.00	6.0	PVC	150.0	0.00	Open	0.00	0.00
P-109	30.00	6.0	PVC	150.0	0.00	Open	27.69	0.00
P-110	305.00	6.0	PVC	150.0	0.00	Open	27.69	0.02
P-111	30.00	6.0	PVC	150.0	0.00	Open	27.69	0.00
P-112	44.00	6.0	PVC	150.0	0.00	Open	27.69	0.00
P-113	40.00	6.0	Asbestos Cement	140.0	0.00	Open	-0.81	0.00
P-114	31.00	6.0	Steel	100.0	0.00	Open	35.36	0.01
P-115	28.00	6.0	Steel	100.0	0.00	Open	14.65	0.00
P-116	266.00	6.0	Steel	100.0	0.00	Open	14.65	0.01
P-117	30.00	6.0	Steel	100.0	0.00	Open	14.65	0.00
P-118	46.00	6.0	Steel	100.0	0.00	Open	22.76	0.01
P-119	32.00	6.0	Steel	100.0	0.00	Open	22.76	0.00
P-120	222.00	6.0	Steel	100.0	0.00	Open	22.76	0.02
P-121	37.00	6.0	Steel	100.0	0.00	Open	22.76	0.00
P-122	391.00	6.0	Asbestos Cement	140.0	0.00	Open	23.65	0.02
P-123	59.00	6.0	Asbestos Cement	140.0	0.00	Open	23.65	0.00
P-124	27.00	6.0	Asbestos Cement	140.0	0.00	Open	7.25	0.00
P-125	326.00	6.0	Asbestos Cement	140.0	0.00	Open	7.25	0.00
P-126	63.00	6.0	Asbestos Cement	140.0	0.00	Open	7.25	0.00
P-127	23.00	6.0	Steel	100.0	0.00	Open	12.43	0.00
P-128	38.00	6.0	Steel	100.0	0.00	Open	12.43	0.00
P-129	307.00	6.0	Steel	100.0	0.00	Open	12.43	0.01
P-130	41.00	6.0	Steel	100.0	0.00	Open	12.43	0.00
P-131	35.00	6.0	Steel	100.0	0.00	Open	-13.64	0.00
P-132	413.00	6.0	Steel	100.0	0.00	Open	-13.64	0.02
P-133	362.00	6.0	Steel	100.0	0.00	Open	6.72	0.00
P-134	20.00	6.0	Steel	100.0	0.00	Open	38.19	0.01
P-135	19.00	6.0	Steel	100.0	0.00	Open	38.19	0.01
P-136	22.00	6.0	Asbestos Cement	140.0	0.00	Open	11.08	0.00
P-137	31.00	6.0	PVC	150.0	0.00	Open	18.82	0.00
P-138	208.00	6.0	PVC	150.0	0.00	Open	18.82	0.01
P-139	395.00	6.0	PVC	150.0	0.00	Open	10.53	0.00
P-140	60.00	6.0	PVC	150.0	0.00	Open	10.53	0.00
P-141	131.00	6.0	Steel	100.0	0.00	Open	-14.67	0.01
P-142	45.00	6.0	Asbestos Cement	140.0	0.00	Open	-39.76	0.01
P-143	271.00	6.0	Asbestos Cement	140.0	0.00	Open	-39.76	0.04
P-144	51.00	6.0	Asbestos Cement	140.0	0.00	Open	-39.76	0.01
P-145	69.00	6.0	Asbestos Cement	140.0	0.00	Open	-39.76	0.01
P-146	41.00	6.0	Asbestos Cement	140.0	0.00	Open	0.00	0.00
P-147	159.00	6.0	Asbestos Cement	140.0	0.00	Open	-48.05	0.04
P-148	29.00	6.0	PVC	150.0	0.00	Open	-0.00	0.00
P-149	106.00	6.0	PVC	150.0	0.00	Open	0.00	0.00
P-150	28.00	6.0	Asbestos Cement	140.0	0.00	Open	28.71	0.00
P-151	320.00	6.0	Asbestos Cement	140.0	0.00	Open	28.71	0.03
P-152	449.00	6.0	Asbestos Cement	140.0	0.00	Open	28.71	0.04
P-153	42.00	6.0	Asbestos Cement	140.0	0.00	Open	28.71	0.00
P-154	382.00	6.0	PVC	150.0	0.00	Open	13.65	0.01

Scenario: 1. Peak Hour Demand
Steady State Analysis
Pipe Report

Label	Length (ft)	Diameter (in)	Material	Hazen-Williams C	Minor Loss Coefficient	Control Status	Discharge (gpm)	Pressure Pipe Headloss (ft)
P-155	42.00	6.0	PVC	150.0	0.00	Open	15.68	0.00
P-156	33.00	6.0	PVC	150.0	0.00	Open	15.68	0.00
P-157	30.00	6.0	PVC	150.0	0.00	Open	5.42	0.00
P-158	27.00	6.0	PVC	150.0	0.00	Open	5.42	0.00
P-159	151.00	6.0	PVC	150.0	0.00	Open	5.42	0.00
P-160	32.00	6.0	PVC	150.0	0.00	Open	0.00	0.00
P-161	19.00	6.0	PVC	150.0	0.00	Open	-2.88	0.00
P-162	30.00	6.0	PVC	150.0	0.00	Open	-11.17	0.00
P-163	116.00	6.0	PVC	150.0	0.00	Open	-11.17	0.00
P-164	147.00	6.0	PVC	150.0	0.00	Open	-11.17	0.00
P-165	33.00	6.0	PVC	150.0	0.00	Open	-11.17	0.00
P-166	38.00	6.0	PVC	150.0	0.00	Open	-11.17	0.00
P-167	273.00	6.0	PVC	150.0	0.00	Open	-19.46	0.01
P-168	103.00	6.0	PVC	150.0	0.00	Open	-19.46	0.00
P-169	23.00	6.0	PVC	150.0	0.00	Open	-19.46	0.00
P-170	248.00	6.0	PVC	150.0	0.00	Open	-19.46	0.01
P-171	27.00	6.0	Steel	100.0	0.00	Open	0.19	0.00
P-172	74.00	6.0	PVC	150.0	0.00	Open	-27.94	0.01
P-173	195.00	6.0	PVC	150.0	0.00	Open	-27.94	0.01
P-174	34.00	6.0	PVC	150.0	0.00	Open	-1.97	0.00
P-175	41.00	6.0	PVC	150.0	0.00	Open	0.00	0.00
P-176	39.00	6.0	PVC	150.0	0.00	Open	-10.31	0.00
P-177	278.00	6.0	PVC	150.0	0.00	Open	-10.31	0.00
P-178	46.00	6.0	PVC	150.0	0.00	Open	-26.45	0.00
P-179	40.00	6.0	PVC	150.0	0.00	Open	-26.45	0.00
P-180	178.00	6.0	PVC	150.0	0.00	Open	-26.45	0.01
P-181	28.00	6.0	PVC	150.0	0.00	Open	-26.45	0.00
P-182	31.00	6.0	PVC	150.0	0.00	Open	-26.45	0.00
P-183	278.00	6.0	PVC	150.0	0.00	Open	-34.21	0.03
P-184	40.00	6.0	PVC	150.0	0.00	Open	15.06	0.00
P-185	231.00	6.0	PVC	150.0	0.00	Open	15.06	0.01
P-186	34.00	6.0	PVC	150.0	0.00	Open	4.37	0.00
P-187	20.00	6.0	PVC	150.0	0.00	Open	-3.92	0.00
P-188	34.00	6.0	PVC	150.0	0.00	Open	-2.40	0.00
P-189	20.00	6.0	PVC	150.0	0.00	Open	-2.40	0.00
P-190	18.00	6.0	PVC	150.0	0.00	Open	0.00	0.00
P-191	31.00	6.0	PVC	150.0	0.00	Open	0.00	0.00
P-192	37.00	6.0	PVC	150.0	0.00	Open	-1.52	0.00
P-193	331.00	6.0	PVC	150.0	0.00	Open	-1.52	0.00
P-194	265.00	6.0	Steel	100.0	0.00	Open	-49.76	0.12
P-195	200.00	6.0	Steel	100.0	0.00	Open	57.43	0.12
P-196	208.00	6.0	Steel	100.0	0.00	Open	-115.48	0.46
P-197	1,020.00	6.0	Steel	100.0	0.00	Open	-8.29	0.02
P-198	48.00	6.0	Steel	100.0	0.00	Open	-27.53	0.01
P-199	272.00	6.0	Steel	100.0	0.00	Open	10.95	0.01
P-200	36.00	6.0	Steel	100.0	0.00	Open	10.95	0.00
P-201	92.00	6.0	Steel	100.0	0.00	Open	10.95	0.00
P-202	35.00	6.0	Steel	100.0	0.00	Open	0.00	0.00
P-203	297.00	6.0	Steel	100.0	0.00	Open	2.66	0.00
P-204	218.00	6.0	Steel	100.0	0.00	Open	89.78	0.30
P-205	29.00	6.0	Steel	100.0	0.00	Open	89.78	0.04

Scenario: 1. Peak Hour Demand
Steady State Analysis
Pipe Report

Label	Length (ft)	Diameter (in)	Material	Hazen-Williams C	Minor Loss Coefficient	Control Status	Discharge (gpm)	Pressure Pipe Headloss (ft)
P-206	27.00	6.0	Steel	100.0	0.00	Open	99.12	0.05
P-207	224.00	6.0	Steel	100.0	0.00	Open	99.12	0.37
P-208	24.00	6.0	D. I.	130.0	0.00	Open	-150.29	0.05
P-209	25.00	6.0	Steel	100.0	0.00	Open	-150.29	0.09
P-210	42.00	6.0	Steel	100.0	0.00	Open	-167.92	0.19
P-211	30.00	6.0	PVC	150.0	0.00	Open	-167.92	0.06
P-212	31.00	6.0	Steel	100.0	0.00	Open	-95.41	0.05
P-213	249.00	6.0	Asbestos Cement	140.0	0.00	Open	-55.66	0.08
P-214	29.00	6.0	Steel	100.0	0.00	Open	-95.41	0.05
P-215	35.00	6.0	Steel	100.0	0.00	Open	-83.66	0.04
P-216	303.00	6.0	Steel	100.0	0.00	Open	-83.66	0.37
P-217	68.00	6.0	Steel	100.0	0.00	Open	70.80	0.06
P-218	167.00	6.0	Steel	100.0	0.00	Open	70.80	0.15
P-219	32.00	6.0	Steel	100.0	0.00	Open	70.80	0.03
P-220	249.00	6.0	Steel	100.0	0.00	Open	-39.75	0.08
P-221	52.00	6.0	Steel	100.0	0.00	Open	-162.75	0.22
P-222	22.00	6.0	PVC	150.0	0.00	Open	-162.75	0.04
P-223	227.00	6.0	PVC	150.0	0.00	Open	-162.75	0.45
P-224	117.00	6.0	Asbestos Cement	140.0	0.00	Open	87.68	0.08
P-225	95.00	6.0	Asbestos Cement	140.0	0.00	Open	39.32	0.02
P-226	222.00	6.0	Asbestos Cement	140.0	0.00	Open	39.32	0.04
P-227	62.00	6.0	Asbestos Cement	140.0	0.00	Open	39.32	0.01
P-228	38.00	6.0	Asbestos Cement	140.0	0.00	Open	39.94	0.01
P-229	225.00	6.0	Asbestos Cement	140.0	0.00	Open	39.94	0.04
P-230	57.00	6.0	Asbestos Cement	140.0	0.00	Open	39.94	0.01
P-231	43.00	6.0	Asbestos Cement	140.0	0.00	Open	44.42	0.01
P-232	230.00	6.0	Asbestos Cement	140.0	0.00	Open	44.42	0.05
P-233	40.00	6.0	Asbestos Cement	140.0	0.00	Open	44.42	0.01
P-234	325.00	6.0	Asbestos Cement	140.0	0.00	Open	52.14	0.09
P-235	30.00	6.0	Asbestos Cement	140.0	0.00	Open	111.67	0.03
P-236	315.00	6.0	Asbestos Cement	140.0	0.00	Open	111.67	0.35
P-237	40.00	6.0	Asbestos Cement	140.0	0.00	Open	66.68	0.02
P-238	127.00	6.0	Asbestos Cement	140.0	0.00	Open	66.68	0.05
P-239	252.00	6.0	Asbestos Cement	140.0	0.00	Open	66.68	0.11
P-240	139.00	6.0	Asbestos Cement	140.0	0.00	Open	45.84	0.03
P-241	358.00	6.0	Asbestos Cement	140.0	0.00	Open	-19.73	0.02
P-242	36.00	6.0	Asbestos Cement	140.0	0.00	Open	-19.73	0.00
P-243	44.00	6.0	Asbestos Cement	140.0	0.00	Open	-28.64	0.00
P-244	387.00	6.0	Asbestos Cement	140.0	0.00	Open	-28.64	0.03
P-245	360.00	6.0	Asbestos Cement	140.0	0.00	Open	-19.28	0.02
P-246	42.00	6.0	Asbestos Cement	140.0	0.00	Open	-19.28	0.00
P-247	32.00	6.0	Asbestos Cement	140.0	0.00	Open	-32.05	0.00
P-248	398.00	6.0	Asbestos Cement	140.0	0.00	Open	-32.05	0.04
P-249	44.00	6.0	Asbestos Cement	140.0	0.00	Open	-32.05	0.00
P-250	366.00	6.0	Asbestos Cement	140.0	0.00	Open	-20.04	0.02
P-251	29.00	6.0	Asbestos Cement	140.0	0.00	Open	-20.04	0.00
P-252	36.00	6.0	Asbestos Cement	140.0	0.00	Open	-36.04	0.01
P-253	395.00	6.0	Asbestos Cement	140.0	0.00	Open	-36.04	0.05
P-254	32.00	6.0	Asbestos Cement	140.0	0.00	Open	-16.19	0.00
P-255	300.00	6.0	Asbestos Cement	140.0	0.00	Open	-16.19	0.01
P-256	22.00	6.0	Asbestos Cement	140.0	0.00	Open	-16.19	0.00

Scenario: 1. Peak Hour Demand
Steady State Analysis
Pipe Report

Label	Length (ft)	Diameter (in)	Material	Hazen-Williams C	Minor Loss Coefficient	Control Status	Discharge (gpm)	Pressure Pipe Headloss (ft)
P-257	42.00	6.0	Asbestos Cement	140.0	0.00	Open	-16.19	0.00
P-258	24.00	6.0	Asbestos Cement	140.0	0.00	Open	-83.94	0.02
P-259	280.00	6.0	Asbestos Cement	140.0	0.00	Open	115.01	0.33
P-260	28.00	6.0	Asbestos Cement	140.0	0.00	Open	115.01	0.03
P-261	22.00	6.0	Asbestos Cement	140.0	0.00	Open	3.13	0.00
P-262	19.00	6.0	Asbestos Cement	140.0	0.00	Open	3.13	0.00
P-263	28.00	6.0	Asbestos Cement	140.0	0.00	Open	0.00	0.00
P-264	31.00	6.0	Asbestos Cement	140.0	0.00	Open	0.00	0.00
P-265	196.00	6.0	Asbestos Cement	140.0	0.00	Open	0.00	0.00
P-266	358.00	6.0	Asbestos Cement	140.0	0.00	Open	-5.16	0.00
P-267	33.00	6.0	Asbestos Cement	140.0	0.00	Open	-5.16	0.00
P-268	30.00	6.0	PVC	150.0	0.00	Open	-68.27	0.01
P-269	340.00	6.0	PVC	150.0	0.00	Open	-68.27	0.13
P-270	58.00	6.0	PVC	150.0	0.00	Open	-68.27	0.02
P-271	24.00	6.0	Steel	100.0	0.00	Open	-57.34	0.01
P-272	340.00	6.0	Steel	100.0	0.00	Open	-57.34	0.21
P-273	32.00	6.0	PVC	150.0	0.00	Open	-57.34	0.01
P-274	343.00	6.0	Asbestos Cement	140.0	0.00	Open	-61.73	0.13
P-275	240.00	6.0	Asbestos Cement	140.0	0.00	Open	22.37	0.01
P-276	35.00	6.0	Asbestos Cement	140.0	0.00	Open	22.37	0.00
P-277	41.00	6.0	Asbestos Cement	140.0	0.00	Open	-43.61	0.01
P-278	42.00	6.0	Asbestos Cement	140.0	0.00	Open	-49.40	0.01
P-279	36.00	6.0	Asbestos Cement	140.0	0.00	Open	8.29	0.00
P-280	30.00	6.0	Asbestos Cement	140.0	0.00	Open	8.29	0.00
P-281	332.00	6.0	Asbestos Cement	140.0	0.00	Open	8.29	0.00
P-282	279.00	6.0	Asbestos Cement	140.0	0.00	Open	50.38	0.07
P-283	49.00	6.0	Asbestos Cement	140.0	0.00	Open	50.38	0.01
P-284	17.00	6.0	Asbestos Cement	140.0	0.00	Open	59.36	0.01
P-285	18.00	6.0	Asbestos Cement	140.0	0.00	Open	59.36	0.01
P-286	38.00	6.0	Asbestos Cement	140.0	0.00	Open	7.39	0.00
P-287	237.00	6.0	Asbestos Cement	140.0	0.00	Open	7.39	0.00
P-288	28.00	6.0	Asbestos Cement	140.0	0.00	Open	7.39	0.00
P-289	24.00	6.0	Asbestos Cement	140.0	0.00	Open	-50.95	0.01
P-290	22.00	6.0	Asbestos Cement	140.0	0.00	Open	-50.95	0.01
P-291	268.00	6.0	Asbestos Cement	140.0	0.00	Open	-50.95	0.07
P-292	246.00	6.0	Asbestos Cement	140.0	0.00	Open	-17.27	0.01
P-293	45.00	6.0	Asbestos Cement	140.0	0.00	Open	43.68	0.01
P-294	283.00	6.0	Asbestos Cement	140.0	0.00	Open	43.68	0.06
P-295	32.00	6.0	Asbestos Cement	140.0	0.00	Open	43.68	0.01
P-296	271.00	6.0	Asbestos Cement	140.0	0.00	Open	25.92	0.02
P-297	33.00	6.0	Asbestos Cement	140.0	0.00	Open	25.92	0.00
P-298	35.00	6.0	Asbestos Cement	140.0	0.00	Open	-50.04	0.01
P-299	326.00	6.0	Asbestos Cement	140.0	0.00	Open	-50.04	0.08
P-300	33.00	6.0	Asbestos Cement	140.0	0.00	Open	38.58	0.01
P-301	26.00	6.0	Asbestos Cement	140.0	0.00	Open	38.58	0.00
P-302	228.00	6.0	Asbestos Cement	140.0	0.00	Open	38.58	0.04
P-303	42.00	6.0	Asbestos Cement	140.0	0.00	Open	38.58	0.01
P-304	304.00	6.0	Asbestos Cement	140.0	0.00	Open	63.50	0.12
P-305	37.00	6.0	Asbestos Cement	140.0	0.00	Open	-67.67	0.02
P-306	298.00	6.0	Asbestos Cement	140.0	0.00	Open	-67.67	0.13
P-307	247.00	6.0	Asbestos Cement	140.0	0.00	Open	-29.11	0.02

Scenario: 1. Peak Hour Demand
Steady State Analysis
Pipe Report

Label	Length (ft)	Diameter (in)	Material	Hazen-Williams C	Minor Loss Coefficient	Control Status	Discharge (gpm)	Pressure Pipe Headloss (ft)
P-308	295.00	6.0	Asbestos Cement	140.0	0.00	Open	-33.20	0.03
P-309	142.00	6.0	PVC	150.0	0.00	Open	-8.29	0.00
P-310	29.00	6.0	PVC	150.0	0.00	Open	-8.29	0.00
P-311	36.00	6.0	PVC	150.0	0.00	Open	15.09	0.00
P-312	313.00	6.0	PVC	150.0	0.00	Open	15.09	0.01
P-313	364.00	6.0	PVC	150.0	0.00	Open	22.89	0.02
P-314	37.00	6.0	PVC	150.0	0.00	Open	8.29	0.00
P-315	34.00	6.0	PVC	150.0	0.00	Open	6.31	0.00
P-316	34.00	6.0	PVC	150.0	0.00	Open	6.31	0.00
P-317	974.00	6.0	PVC	150.0	0.00	Open	6.31	0.00
P-318	42.00	6.0	PVC	150.0	0.00	Open	6.31	0.00
P-319	391.00	6.0	PVC	150.0	0.00	Open	5.96	0.00
P-320	43.00	6.0	PVC	150.0	0.00	Open	5.96	0.00
P-321	49.00	6.0	PVC	150.0	0.00	Open	0.00	0.00
P-322	613.00	6.0	PVC	150.0	0.00	Open	0.00	0.00
P-323	25.00	6.0	PVC	150.0	0.00	Open	-7.95	0.00
P-324	38.00	6.0	PVC	150.0	0.00	Open	-7.95	0.00
P-325	311.00	6.0	PVC	150.0	0.00	Open	-7.95	0.00
P-326	35.00	6.0	PVC	150.0	0.00	Open	-7.95	0.00
P-327	69.00	6.0	PVC	150.0	0.00	Open	-2.33	0.00
P-329	282.00	6.0	PVC	150.0	0.00	Open	-2.33	0.00
P-330	41.00	6.0	PVC	150.0	0.00	Open	13.85	0.00
P-331	370.00	6.0	PVC	150.0	0.00	Open	13.85	0.01
P-332	45.00	6.0	PVC	150.0	0.00	Open	5.56	0.00
P-333	390.00	6.0	PVC	150.0	0.00	Open	-2.73	0.00
P-334	347.00	6.0	PVC	150.0	0.00	Open	-22.53	0.02
P-335	37.00	6.0	PVC	150.0	0.00	Open	-22.53	0.00
P-336	40.00	6.0	PVC	150.0	0.00	Open	0.00	0.00
P-337	26.00	6.0	PVC	150.0	0.00	Open	-30.83	0.00
P-338	417.00	6.0	PVC	150.0	0.00	Open	16.92	0.01
P-339	39.00	6.0	PVC	150.0	0.00	Open	16.92	0.00
P-340	356.00	6.0	PVC	150.0	0.00	Open	-5.22	0.00
P-341	33.00	6.0	PVC	150.0	0.00	Open	0.15	0.00
P-342	34.00	6.0	PVC	150.0	0.00	Open	-13.66	0.00
P-343	302.00	6.0	PVC	150.0	0.00	Open	-13.66	0.01
P-344	351.00	6.0	PVC	150.0	0.00	Open	-21.95	0.02
P-345	36.00	6.0	PVC	150.0	0.00	Open	-14.74	0.00
P-346	32.00	6.0	PVC	150.0	0.00	Open	-14.74	0.00
P-347	362.00	6.0	PVC	150.0	0.00	Open	-14.74	0.01
P-348	42.00	6.0	PVC	150.0	0.00	Open	-14.74	0.00
P-349	25.00	6.0	PVC	150.0	0.00	Open	-47.80	0.01
P-350	52.00	6.0	PVC	150.0	0.00	Open	15.49	0.00
P-351	286.00	6.0	PVC	150.0	0.00	Open	15.49	0.01
P-352	348.00	4.0	Steel	100.0	0.00	Open	-8.29	0.04
P-353	205.00	4.0	Steel	100.0	0.00	Open	7.71	0.02
P-354	739.00	4.0	Steel	100.0	0.00	Open	7.71	0.08
P-355	365.00	4.0	Steel	100.0	0.00	Open	8.29	0.04
P-356	298.00	4.0	Steel	100.0	0.00	Open	-8.87	0.04
P-357	160.00	4.0	Steel	100.0	0.00	Open	-14.70	0.06
P-358	23.00	4.0	Asbestos Cement	140.0	0.00	Open	-14.70	0.00
P-359	14.00	4.0	Asbestos Cement	140.0	0.00	Open	-31.28	0.01

Scenario: 1. Peak Hour Demand
Steady State Analysis
Pipe Report

Label	Length (ft)	Diameter (in)	Material	Hazen-Williams C	Minor Loss Coefficient	Control Status	Discharge (gpm)	Pressure Pipe Headloss (ft)
P-360	716.00	4.0	Steel	100.0	0.00	Open	-8.29	0.09
P-361	42.00	4.0	Asbestos Cement	140.0	0.00	Open	-8.58	0.00
P-362	2,041.00	4.0	Steel	100.0	0.00	Open	-8.58	0.26
P-363	305.00	4.0	Asbestos Cement	140.0	0.00	Open	-16.58	0.07
P-365	48.00	4.0	Steel	100.0	0.00	Open	20.13	0.03
P-366	390.00	4.0	Steel	100.0	0.00	Open	20.13	0.24
P-367	50.00	4.0	Steel	100.0	0.00	Open	11.84	0.01
P-368	376.00	4.0	Asbestos Cement	140.0	0.00	Open	-15.78	0.08
P-369	282.00	4.0	Steel	100.0	0.00	Open	-12.55	0.07
P-370	343.00	4.0	PVC	150.0	0.00	Open	45.84	0.47
P-371	107.00	4.0	PVC	150.0	0.00	Open	8.29	0.01
P-372	32.00	4.0	Asbestos Cement	140.0	0.00	Open	-16.39	0.01
P-373	316.00	4.0	Steel	100.0	0.00	Open	-16.39	0.14
P-374	76.00	4.0	Steel	100.0	0.00	Open	6.38	0.01
P-375	114.00	4.0	Steel	100.0	0.00	Open	8.63	0.01
P-376	306.00	4.0	Steel	100.0	0.00	Open	-27.53	0.34
P-377	56.00	4.0	Steel	100.0	0.00	Open	-27.53	0.06
P-378	181.00	4.0	Steel	100.0	0.00	Open	-87.68	1.73
P-379	176.00	4.0	Steel	100.0	0.00	Open	51.90	0.64
P-380	121.00	6.0	Asbestos Cement	140.0	0.00	Open	-43.61	0.02
P-381	172.00	4.0	Steel	100.0	0.00	Open	-122.88	3.08
P-382	248.00	4.0	Steel	100.0	0.00	Open	-122.88	4.44
P-383	24.00	4.0	PVC	150.0	0.00	Open	0.00	0.00
P-384	26.00	4.0	PVC	150.0	0.00	Open	0.00	0.00
P-385	24.00	6.0	PVC	150.0	0.00	Open	0.00	0.00
P-386	358.00	2.0	Steel	100.0	0.00	Open	2.46	0.13
P-387	672.00	2.0	Steel	100.0	0.00	Open	8.29	2.39
P-388	22.00	2.0	Cast iron	130.0	0.00	Open	16.58	0.17
P-389	85.00	2.0	Cast iron	130.0	0.00	Open	8.29	0.19
P-390	988.00	2.0	Steel	100.0	0.00	Open	8.29	3.51
P-391	183.00	2.0	Steel	100.0	0.00	Open	11.84	1.26
P-392	272.00	2.0	Steel	100.0	0.00	Open	7.70	0.84
P-393	26.00	2.0	PVC	150.0	0.00	Open	1.39	0.00
P-394	353.00	2.0	PVC	150.0	0.00	Open	1.39	0.02
P-395	29.00	2.0	PVC	150.0	0.00	Open	1.39	0.00
P-396	404.00	2.0	Steel	100.0	0.00	Open	-0.81	0.02
P-397	190.00	2.0	Steel	100.0	0.00	Open	8.29	0.67
P-398	363.00	2.0	Steel	100.0	0.00	Open	0.34	0.00
P-399	35.00	2.0	PVC	150.0	0.00	Open	-1.52	0.00
P-400	34.00	2.0	Steel	100.0	0.00	Open	6.32	0.07
P-401	37.00	2.0	Steel	100.0	0.00	Open	-1.97	0.01
P-402	234.00	2.0	Steel	100.0	0.00	Open	-1.97	0.06
P-403	537.00	2.0	Steel	100.0	0.00	Open	-0.19	0.00
P-404	588.00	2.0	Steel	100.0	0.00	Open	29.26	21.59
P-405	168.00	2.0	Steel	100.0	0.00	Open	8.29	0.60
P-406	38.00	8.0	PVC	150.0	0.00	Open	-24.29	0.00
P-407	198.00	8.0	PVC	150.0	0.00	Open	-24.29	0.00
P-408	167.00	8.0	PVC	150.0	0.00	Open	-40.87	0.01
P-409	1,170.00	8.0	PVC	150.0	0.00	Open	-49.16	0.06
P-410	40.00	8.0	PVC	150.0	0.00	Open	-49.16	0.00
P-411	30.00	8.0	PVC	150.0	0.00	Open	-42.87	0.00

Scenario: 1. Peak Hour Demand
Steady State Analysis
Pipe Report

Label	Length (ft)	Diameter (in)	Material	Hazen-Williams C	Minor Loss Coefficient	Control Status	Discharge (gpm)	Pressure Pipe Headloss (ft)
P-412	61.00	8.0	PVC	150.0	0.00	Open	-53.62	0.00
P-413	146.00	8.0	PVC	150.0	0.00	Open	-53.62	0.01
P-414	576.00	8.0	PVC	150.0	0.00	Open	-109.77	0.13
P-415	37.00	8.0	PVC	150.0	0.00	Open	-109.77	0.01
P-416	209.00	8.0	PVC	150.0	0.00	Open	-109.77	0.05
P-417	37.00	8.0	PVC	150.0	0.00	Open	-109.77	0.01
P-418	31.00	8.0	PVC	150.0	0.00	Open	-88.75	0.00
P-419	154.00	8.0	PVC	150.0	0.00	Open	-88.75	0.02
P-420	693.00	8.0	PVC	150.0	0.00	Open	-88.75	0.11
P-421	25.00	8.0	PVC	150.0	0.00	Open	-88.75	0.00
P-422	24.00	12.0	PVC	141.0	0.00	Open	-142.93	0.00
P-423	32.00	8.0	PVC	150.0	0.00	Open	-87.36	0.00
P-424	26.00	8.0	PVC	150.0	0.00	Open	-14.58	0.00
P-425	474.00	8.0	PVC	150.0	0.00	Open	-14.58	0.00
P-426	38.00	8.0	PVC	150.0	0.00	Open	-14.58	0.00
P-427	133.00	8.0	PVC	150.0	0.00	Open	-22.87	0.00
P-428	27.00	8.0	PVC	150.0	0.00	Open	-22.87	0.00
P-429	38.00	8.0	PVC	150.0	0.00	Open	8.29	0.00
P-430	33.00	8.0	PVC	150.0	0.00	Open	8.29	0.00
P-431	18.00	8.0	PVC	150.0	0.00	Open	-39.45	0.00
P-432	197.00	8.0	PVC	150.0	0.00	Open	-39.45	0.01
P-433	184.00	8.0	PVC	150.0	0.00	Open	-39.45	0.01
P-434	240.00	8.0	PVC	150.0	0.00	Open	-56.03	0.02
P-435	108.00	8.0	PVC	150.0	0.00	Open	-56.03	0.01
P-436	48.00	8.0	PVC	150.0	0.00	Open	-56.03	0.00
P-437	494.00	8.0	PVC	150.0	0.00	Open	-55.74	0.03
P-438	110.00	8.0	PVC	150.0	0.00	Open	-64.03	0.01
P-439	141.00	8.0	PVC	150.0	0.00	Open	-64.03	0.01
P-440	261.00	8.0	PVC	150.0	0.00	Open	8.29	0.00
P-441	511.00	8.0	PVC	150.0	0.00	Open	-80.61	0.07
P-442	773.00	8.0	PVC	150.0	0.00	Open	-80.61	0.10
P-443	193.00	8.0	PVC	150.0	0.00	Open	-80.61	0.03
P-444	353.00	8.0	PVC	150.0	0.00	Open	-80.61	0.05
P-445	848.00	8.0	PVC	150.0	0.00	Open	-37.26	0.03
P-446	621.00	8.0	PVC	150.0	0.00	Open	-37.26	0.02
P-447	32.00	8.0	PVC	150.0	0.00	Open	-37.26	0.00
P-448	39.00	8.0	Asbestos Cement	140.0	0.00	Open	-14.20	0.00
P-449	12.00	8.0	Asbestos Cement	140.0	0.00	Open	80.73	0.00
P-450	60.00	8.0	Asbestos Cement	140.0	0.00	Open	8.58	0.00
P-451	31.00	8.0	Asbestos Cement	140.0	0.00	Open	63.86	0.00
P-452	271.00	8.0	PVC	150.0	0.00	Open	63.86	0.02
P-453	31.00	8.0	PVC	150.0	0.00	Open	63.86	0.00
P-454	27.00	8.0	PVC	150.0	0.00	Open	45.89	0.00
P-455	22.00	8.0	PVC	150.0	0.00	Open	-51.64	0.00
P-456	172.00	8.0	PVC	150.0	0.00	Open	-51.64	0.01
P-457	837.00	8.0	PVC	150.0	0.00	Open	-51.64	0.05
P-458	400.00	8.0	PVC	150.0	0.00	Open	-51.64	0.02
P-459	30.00	8.0	PVC	150.0	0.00	Open	-51.64	0.00
P-460	45.00	8.0	Asbestos Cement	140.0	0.00	Open	31.35	0.00
P-461	32.00	8.0	Asbestos Cement	140.0	0.00	Open	31.35	0.00
P-462	368.00	8.0	Asbestos Cement	140.0	0.00	Open	-101.98	0.09

Scenario: 1. Peak Hour Demand
Steady State Analysis
Pipe Report

Label	Length (ft)	Diameter (in)	Material	Hazen-Williams C	Minor Loss Coefficient	Control Status	Discharge (gpm)	Pressure Pipe Headloss (ft)
P-463	41.00	8.0	Asbestos Cement	140.0	0.00	Open	-101.98	0.01
P-464	476.00	8.0	Asbestos Cement	140.0	0.00	Open	-78.71	0.07
P-465	25.00	8.0	Asbestos Cement	140.0	0.00	Open	-78.71	0.00
P-466	21.00	8.0	PVC	150.0	0.00	Open	-78.71	0.00
P-467	34.00	8.0	PVC	150.0	0.00	Open	-78.91	0.00
P-468	37.00	8.0	Asbestos Cement	140.0	0.00	Open	10.56	0.00
P-469	37.00	8.0	PVC	150.0	0.00	Open	-97.76	0.01
P-470	378.00	8.0	PVC	150.0	0.00	Open	-97.76	0.07
P-471	40.00	8.0	PVC	150.0	0.00	Open	-97.76	0.01
P-472	22.00	8.0	Asbestos Cement	140.0	0.00	Open	-127.90	0.01
P-473	50.00	8.0	Asbestos Cement	140.0	0.00	Open	-127.90	0.02
P-474	215.00	8.0	Asbestos Cement	140.0	0.00	Open	-127.90	0.08
P-475	40.00	8.0	Asbestos Cement	140.0	0.00	Open	-127.90	0.01
P-476	26.00	8.0	Asbestos Cement	140.0	0.00	Open	65.09	0.00
P-477	26.00	8.0	Asbestos Cement	140.0	0.00	Open	65.09	0.00
P-478	37.00	8.0	Asbestos Cement	140.0	0.00	Open	144.04	0.02
P-479	39.00	8.0	Asbestos Cement	140.0	0.00	Open	144.04	0.02
P-480	381.00	8.0	Asbestos Cement	140.0	0.00	Open	144.04	0.17
P-481	13.00	8.0	Asbestos Cement	140.0	0.00	Open	146.31	0.01
P-482	18.00	8.0	Asbestos Cement	140.0	0.00	Open	146.31	0.01
P-483	26.00	8.0	Asbestos Cement	140.0	0.00	Open	69.67	0.00
P-484	471.00	8.0	Asbestos Cement	140.0	0.00	Open	69.67	0.05
P-485	25.00	8.0	Asbestos Cement	140.0	0.00	Open	69.67	0.00
P-486	38.00	8.0	Asbestos Cement	140.0	0.00	Open	103.22	0.01
P-487	36.00	8.0	Asbestos Cement	140.0	0.00	Open	103.22	0.01
P-488	482.00	8.0	Asbestos Cement	140.0	0.00	Open	103.22	0.11
P-489	39.00	8.0	Asbestos Cement	140.0	0.00	Open	-1.64	0.00
P-490	35.00	8.0	Asbestos Cement	140.0	0.00	Open	-43.48	0.00
P-491	74.00	8.0	Asbestos Cement	140.0	0.00	Open	-43.48	0.00
P-492	27.00	8.0	Asbestos Cement	140.0	0.00	Open	-43.48	0.00
P-493	29.00	8.0	Asbestos Cement	140.0	0.00	Open	8.29	0.00
P-494	18.00	8.0	Asbestos Cement	140.0	0.00	Open	8.29	0.00
P-495	28.00	6.0	Asbestos Cement	140.0	0.00	Open	0.00	0.00
P-496	24.00	6.0	Asbestos Cement	140.0	0.00	Open	0.00	0.00
P-497	30.00	8.0	PVC	150.0	0.00	Open	-60.06	0.00
P-498	472.00	8.0	PVC	150.0	0.00	Open	-60.06	0.04
P-499	21.00	8.0	PVC	150.0	0.00	Open	-60.06	0.00
P-500	109.00	8.0	PVC	150.0	0.00	Open	-68.35	0.01
P-501	27.00	8.0	PVC	150.0	0.00	Open	-68.35	0.00
P-502	243.00	8.0	PVC	150.0	0.00	Open	-103.94	0.05
P-503	24.00	8.0	PVC	150.0	0.00	Open	-103.94	0.01
P-504	63.00	8.0	PVC	150.0	0.00	Open	0.00	0.00
P-505	418.00	8.0	PVC	150.0	0.00	Open	0.00	0.00
P-506	31.00	8.0	PVC	150.0	0.00	Open	0.00	0.00
P-507	314.00	8.0	PVC	150.0	0.00	Open	0.00	0.00
P-508	32.00	8.0	PVC	150.0	0.00	Open	-112.23	0.01
P-509	18.00	8.0	PVC	150.0	0.00	Open	-112.23	0.00
P-510	656.00	8.0	PVC	150.0	0.00	Open	-112.23	0.16
P-511	393.00	8.0	PVC	150.0	0.00	Open	-112.23	0.10
P-512	17.00	8.0	PVC	150.0	0.00	Open	-112.23	0.00
P-513	51.00	8.0	PVC	150.0	0.00	Open	-120.52	0.01

Scenario: 1. Peak Hour Demand
Steady State Analysis
Pipe Report

Label	Length (ft)	Diameter (in)	Material	Hazen-Williams C	Minor Loss Coefficient	Control Status	Discharge (gpm)	Pressure Pipe Headloss (ft)
P-514	251.00	8.0	PVC	150.0	0.00	Open	-120.52	0.07
P-515	35.00	8.0	Asbestos Cement	140.0	0.00	Open	-120.52	0.01
P-516	44.00	8.0	Asbestos Cement	140.0	0.00	Open	-207.76	0.04
P-517	294.00	8.0	Asbestos Cement	140.0	0.00	Open	-207.76	0.26
P-518	305.00	8.0	Asbestos Cement	140.0	0.00	Open	201.28	0.25
P-519	47.00	8.0	Asbestos Cement	140.0	0.00	Open	201.28	0.04
P-520	169.00	8.0	Asbestos Cement	140.0	0.00	Open	-417.34	0.53
P-521	29.00	8.0	Asbestos Cement	140.0	0.00	Open	21.85	0.00
P-522	36.00	8.0	Asbestos Cement	140.0	0.00	Open	21.85	0.00
P-523	201.00	8.0	Asbestos Cement	140.0	0.00	Open	21.85	0.00
P-524	58.00	8.0	Asbestos Cement	140.0	0.00	Open	21.85	0.00
P-525	37.00	8.0	Asbestos Cement	140.0	0.00	Open	15.78	0.00
P-526	48.00	8.0	Asbestos Cement	140.0	0.00	Open	-2.22	0.00
P-527	32.00	8.0	PVC	150.0	0.00	Open	89.32	0.01
P-528	30.00	8.0	Asbestos Cement	140.0	0.00	Open	43.12	0.00
P-529	45.00	8.0	PVC	150.0	0.00	Open	89.32	0.01
P-530	126.00	8.0	PVC	150.0	0.00	Open	89.32	0.02
P-531	43.00	8.0	PVC	150.0	0.00	Open	89.32	0.01
P-532	26.00	8.0	PVC	150.0	0.00	Open	89.32	0.00
P-533	24.00	8.0	PVC	150.0	0.00	Open	89.32	0.00
P-534	27.00	8.0	PVC	150.0	0.00	Open	81.03	0.00
P-535	20.00	8.0	PVC	150.0	0.00	Open	45.04	0.00
P-536	133.00	8.0	PVC	150.0	0.00	Open	45.04	0.01
P-537	122.00	8.0	PVC	150.0	0.00	Open	35.36	0.00
P-538	82.00	8.0	Asbestos Cement	140.0	0.00	Open	72.93	0.01
P-539	265.00	8.0	Asbestos Cement	140.0	0.00	Open	72.93	0.03
P-540	30.00	8.0	Asbestos Cement	140.0	0.00	Open	72.93	0.00
P-541	59.00	8.0	Asbestos Cement	140.0	0.00	Open	84.37	0.01
P-542	215.00	8.0	Asbestos Cement	140.0	0.00	Open	84.37	0.04
P-543	48.00	8.0	Asbestos Cement	140.0	0.00	Open	84.37	0.01
P-544	28.00	8.0	Asbestos Cement	140.0	0.00	Open	-19.28	0.00
P-545	274.00	8.0	Asbestos Cement	140.0	0.00	Open	95.36	0.06
P-546	40.00	8.0	Asbestos Cement	140.0	0.00	Open	95.36	0.01
P-547	35.00	8.0	Asbestos Cement	140.0	0.00	Open	-20.04	0.00
P-548	67.00	8.0	Asbestos Cement	140.0	0.00	Open	107.11	0.02
P-549	257.00	8.0	Asbestos Cement	140.0	0.00	Open	107.11	0.07
P-550	35.00	8.0	Asbestos Cement	140.0	0.00	Open	-16.19	0.00
P-551	37.00	8.0	Asbestos Cement	140.0	0.00	Open	115.01	0.01
P-552	37.00	8.0	PVC	150.0	0.00	Open	20.21	0.00
P-553	117.00	8.0	PVC	150.0	0.00	Open	20.21	0.00
P-554	96.00	8.0	PVC	150.0	0.00	Open	13.31	0.00
P-555	23.00	8.0	PVC	150.0	0.00	Open	13.31	0.00
P-556	34.00	8.0	PVC	150.0	0.00	Open	13.31	0.00
P-557	22.00	8.0	PVC	150.0	0.00	Open	17.45	0.00
P-558	41.00	8.0	PVC	150.0	0.00	Open	22.80	0.00
P-559	209.00	8.0	PVC	150.0	0.00	Open	22.80	0.00
P-560	28.00	8.0	PVC	150.0	0.00	Open	22.80	0.00
P-561	23.00	8.0	PVC	150.0	0.00	Open	22.80	0.00
P-562	53.00	8.0	PVC	150.0	0.00	Open	21.76	0.00
P-563	62.00	8.0	PVC	150.0	0.00	Open	21.76	0.00
P-564	172.00	8.0	PVC	150.0	0.00	Open	21.76	0.00

Scenario: 1. Peak Hour Demand
Steady State Analysis
Pipe Report

Label	Length (ft)	Diameter (in)	Material	Hazen-Williams C	Minor Loss Coefficient	Control Status	Discharge (gpm)	Pressure Pipe Headloss (ft)
P-565	67.00	8.0	PVC	150.0	0.00	Open	21.76	0.00
P-566	35.00	8.0	Asbestos Cement	140.0	0.00	Open	57.22	0.00
P-567	42.00	8.0	Asbestos Cement	140.0	0.00	Open	-12.32	0.00
P-568	438.00	8.0	Asbestos Cement	140.0	0.00	Open	61.24	0.04
P-569	34.00	8.0	Asbestos Cement	140.0	0.00	Open	61.24	0.00
P-570	30.00	8.0	Asbestos Cement	140.0	0.00	Open	28.71	0.00
P-571	51.00	8.0	Asbestos Cement	140.0	0.00	Open	24.24	0.00
P-572	583.00	8.0	Asbestos Cement	140.0	0.00	Open	24.24	0.01
P-573	36.00	8.0	Asbestos Cement	140.0	0.00	Open	8.29	0.00
P-574	30.00	8.0	Asbestos Cement	140.0	0.00	Open	7.66	0.00
P-575	34.00	8.0	Asbestos Cement	140.0	0.00	Open	0.81	0.00
P-576	13.00	8.0	Asbestos Cement	140.0	0.00	Open	-1.44	0.00
P-577	33.00	8.0	Asbestos Cement	140.0	0.00	Open	-1.44	0.00
P-578	284.00	8.0	Asbestos Cement	140.0	0.00	Open	-1.44	0.00
P-579	31.00	8.0	Asbestos Cement	140.0	0.00	Open	6.72	0.00
P-580	31.00	8.0	Asbestos Cement	140.0	0.00	Open	13.64	0.00
P-581	40.00	8.0	Asbestos Cement	140.0	0.00	Open	-30.09	0.00
P-582	43.00	8.0	Asbestos Cement	140.0	0.00	Open	-30.09	0.00
P-583	238.00	8.0	Asbestos Cement	140.0	0.00	Open	-30.09	0.01
P-584	47.00	8.0	Asbestos Cement	140.0	0.00	Open	-30.09	0.00
P-585	231.00	8.0	Asbestos Cement	140.0	0.00	Open	-30.09	0.01
P-586	348.00	8.0	Asbestos Cement	140.0	0.00	Open	88.69	0.06
P-587	28.00	8.0	Asbestos Cement	140.0	0.00	Open	-16.39	0.00
P-588	45.00	8.0	Asbestos Cement	140.0	0.00	Open	28.64	0.00
P-589	36.00	8.0	Asbestos Cement	140.0	0.00	Open	68.15	0.00
P-590	236.00	8.0	Asbestos Cement	140.0	0.00	Open	68.15	0.03
P-591	25.00	8.0	Asbestos Cement	140.0	0.00	Open	68.15	0.00
P-592	22.00	8.0	Asbestos Cement	140.0	0.00	Open	128.12	0.01
P-593	35.00	8.0	Asbestos Cement	140.0	0.00	Open	87.79	0.01
P-594	278.00	8.0	Asbestos Cement	140.0	0.00	Open	87.79	0.05
P-595	42.00	8.0	Asbestos Cement	140.0	0.00	Open	36.04	0.00
P-596	15.00	8.0	Asbestos Cement	140.0	0.00	Open	43.45	0.00
P-597	32.00	8.0	Asbestos Cement	140.0	0.00	Open	-57.34	0.00
P-598	284.00	8.0	Asbestos Cement	140.0	0.00	Open	92.50	0.06
P-599	25.00	8.0	Asbestos Cement	140.0	0.00	Open	92.50	0.00
P-600	21.00	8.0	Asbestos Cement	140.0	0.00	Open	0.27	0.00
P-601	20.00	8.0	Asbestos Cement	140.0	0.00	Open	0.27	0.00
P-602	27.00	8.0	Asbestos Cement	140.0	0.00	Open	-61.73	0.00
P-603	40.00	8.0	Asbestos Cement	140.0	0.00	Open	83.94	0.01
P-605	42.00	8.0	PVC	150.0	0.00	Open	53.72	0.00
P-606	26.00	8.0	PVC	150.0	0.00	Open	45.43	0.00
P-607	19.00	8.0	PVC	150.0	0.00	Open	45.43	0.00
P-608	190.00	8.0	PVC	150.0	0.00	Open	45.43	0.01
P-609	26.00	8.0	PVC	150.0	0.00	Open	45.43	0.00
P-610	33.00	8.0	PVC	150.0	0.00	Open	45.43	0.00
P-611	81.00	8.0	PVC	150.0	0.00	Open	-58.17	0.01
P-612	334.00	8.0	PVC	150.0	0.00	Open	-58.17	0.02
P-613	32.00	8.0	PVC	150.0	0.00	Open	91.20	0.01
P-614	359.00	8.0	PVC	150.0	0.00	Open	91.20	0.06
P-615	49.00	8.0	PVC	150.0	0.00	Open	-21.70	0.00
P-616	73.00	8.0	PVC	150.0	0.00	Open	104.62	0.02

Scenario: 1. Peak Hour Demand
Steady State Analysis
Pipe Report

Label	Length (ft)	Diameter (in)	Material	Hazen-Williams C	Minor Loss Coefficient	Control Status	Discharge (gpm)	Pressure Pipe Headloss (ft)
P-617	365.00	8.0	PVC	150.0	0.00	Open	104.62	0.08
P-618	252.00	8.0	PVC	150.0	0.00	Open	104.62	0.05
P-619	50.00	8.0	PVC	150.0	0.00	Open	104.62	0.01
P-620	32.00	8.0	PVC	150.0	0.00	Open	104.62	0.01
P-621	36.00	8.0	PVC	150.0	0.00	Open	-7.65	0.00
P-622	343.00	8.0	PVC	150.0	0.00	Open	-7.65	0.00
P-623	235.00	8.0	PVC	150.0	0.00	Open	9.61	0.00
P-624	23.00	8.0	PVC	150.0	0.00	Open	9.61	0.00
P-625	28.00	8.0	PVC	150.0	0.00	Open	50.38	0.00
P-626	34.00	8.0	PVC	150.0	0.00	Open	-49.05	0.00
P-627	30.00	8.0	PVC	150.0	0.00	Open	50.95	0.00
P-628	24.00	8.0	PVC	150.0	0.00	Open	50.95	0.00
P-629	217.00	8.0	PVC	150.0	0.00	Open	50.95	0.01
P-630	36.00	8.0	PVC	150.0	0.00	Open	50.95	0.00
P-631	39.00	8.0	PVC	150.0	0.00	Open	50.95	0.00
P-632	23.00	8.0	PVC	150.0	0.00	Open	-108.29	0.01
P-633	375.00	8.0	PVC	150.0	0.00	Open	-108.29	0.09
P-634	86.00	8.0	PVC	150.0	0.00	Open	-198.31	0.06
P-635	34.00	8.0	PVC	150.0	0.00	Open	-0.85	0.00
P-636	201.00	8.0	PVC	150.0	0.00	Open	-0.85	0.00
P-637	26.00	8.0	PVC	150.0	0.00	Open	-0.85	0.00
P-638	53.00	8.0	PVC	150.0	0.00	Open	29.99	0.00
P-639	19.00	8.0	PVC	150.0	0.00	Open	-208.63	0.01
P-640	19.00	8.0	PVC	150.0	0.00	Open	-208.63	0.01
P-641	30.00	8.0	PVC	150.0	0.00	Open	-49.40	0.00
P-642	185.00	8.0	PVC	150.0	0.00	Open	-49.40	0.01
P-643	21.00	8.0	Asbestos Cement	140.0	0.00	Open	-49.40	0.00
P-644	28.00	8.0	PVC	150.0	0.00	Open	-167.51	0.01
P-645	68.00	8.0	PVC	150.0	0.00	Open	-167.51	0.03
P-646	371.00	8.0	PVC	150.0	0.00	Open	-167.51	0.19
P-647	104.00	8.0	PVC	150.0	0.00	Open	-167.51	0.05
P-648	43.00	8.0	PVC	150.0	0.00	Open	-167.51	0.02
P-649	39.00	8.0	PVC	150.0	0.00	Open	-175.80	0.02
P-650	161.00	8.0	PVC	150.0	0.00	Open	-175.80	0.09
P-651	354.00	8.0	PVC	150.0	0.00	Open	-175.80	0.20
P-652	76.00	8.0	PVC	150.0	0.00	Open	-175.80	0.04
P-653	50.00	8.0	PVC	150.0	0.00	Open	-175.80	0.03
P-654	42.00	8.0	PVC	150.0	0.00	Open	51.90	0.00
P-655	63.00	8.0	PVC	150.0	0.00	Open	-235.99	0.06
P-656	339.00	8.0	PVC	150.0	0.00	Open	-235.99	0.33
P-657	35.00	8.0	PVC	150.0	0.00	Open	-235.99	0.03
P-658	24.00	8.0	PVC	150.0	0.00	Open	0.00	0.00
P-659	29.00	8.0	PVC	150.0	0.00	Open	-244.28	0.03
P-660	34.00	8.0	PVC	150.0	0.00	Open	-244.28	0.04
P-661	237.00	8.0	PVC	150.0	0.00	Open	-244.28	0.24
P-662	28.00	8.0	PVC	150.0	0.00	Open	-244.28	0.03
P-663	67.00	8.0	PVC	150.0	0.00	Open	-70.80	0.01
P-664	33.00	8.0	PVC	150.0	0.00	Open	103.98	0.01
P-665	314.00	8.0	PVC	150.0	0.00	Open	103.98	0.07
P-666	27.00	8.0	PVC	150.0	0.00	Open	103.98	0.01
P-667	25.00	8.0	PVC	150.0	0.00	Open	0.00	0.00

Scenario: 1. Peak Hour Demand
Steady State Analysis
Pipe Report

Label	Length (ft)	Diameter (in)	Material	Hazen-Williams C	Minor Loss Coefficient	Control Status	Discharge (gpm)	Pressure Pipe Headloss (ft)
P-668	46.00	8.0	PVC	150.0	0.00	Open	95.69	0.01
P-669	262.00	8.0	PVC	150.0	0.00	Open	95.69	0.05
P-670	52.00	8.0	PVC	150.0	0.00	Open	95.69	0.01
P-671	26.00	8.0	PVC	150.0	0.00	Open	-6.44	0.00
P-672	37.00	8.0	PVC	150.0	0.00	Open	102.13	0.01
P-673	86.00	8.0	PVC	150.0	0.00	Open	102.13	0.02
P-674	24.00	8.0	PVC	150.0	0.00	Open	102.13	0.00
P-675	26.00	8.0	PVC	150.0	0.00	Open	13.74	0.00
P-676	25.00	8.0	PVC	150.0	0.00	Open	80.11	0.00
P-677	165.00	8.0	PVC	150.0	0.00	Open	80.11	0.02
P-678	29.00	8.0	PVC	150.0	0.00	Open	71.81	0.00
P-679	28.00	8.0	PVC	150.0	0.00	Open	63.52	0.00
P-680	113.00	8.0	PVC	150.0	0.00	Open	55.23	0.01
P-681	28.00	8.0	PVC	150.0	0.00	Open	0.00	0.00
P-682	44.00	8.0	PVC	150.0	0.00	Open	46.94	0.00
P-683	41.00	8.0	PVC	150.0	0.00	Open	46.94	0.00
P-684	51.00	8.0	PVC	150.0	0.00	Open	-15.09	0.00
P-685	34.00	8.0	PVC	150.0	0.00	Open	47.80	0.00
P-686	48.00	8.0	PVC	150.0	0.00	Open	47.80	0.00
P-687	535.00	8.0	PVC	150.0	0.00	Open	47.80	0.03
P-688	47.00	8.0	PVC	150.0	0.00	Open	47.80	0.00
P-689	39.00	8.0	PVC	150.0	0.00	Open	-56.03	0.00
P-690	260.00	8.0	PVC	150.0	0.00	Open	-56.03	0.02
P-691	30.00	8.0	PVC	150.0	0.00	Open	-56.03	0.00
P-692	41.00	8.0	PVC	150.0	0.00	Open	-31.26	0.00
P-693	274.00	8.0	PVC	150.0	0.00	Open	-31.26	0.01
P-694	48.00	8.0	PVC	150.0	0.00	Open	0.15	0.00
P-695	475.00	8.0	PVC	150.0	0.00	Open	-8.14	0.00
P-696	109.00	8.0	PVC	150.0	0.00	Open	-16.43	0.00
P-697	665.00	8.0	PVC	150.0	0.00	Open	-33.01	0.02
P-698	153.00	8.0	PVC	150.0	0.00	Open	8.29	0.00
P-699	173.00	8.0	PVC	150.0	0.00	Open	0.00	0.00
P-700	36.00	8.0	PVC	150.0	0.00	Open	0.00	0.00
P-701	27.00	8.0	PVC	150.0	0.00	Open	167.92	0.01
P-702	216.00	8.0	PVC	150.0	0.00	Open	167.92	0.11
P-704	27.00	8.0	PVC	150.0	0.00	Open	-176.21	0.02
P-705	22.00	8.0	PVC	150.0	0.00	Open	-176.21	0.01
P-706	168.00	8.0	PVC	150.0	0.00	Open	-176.21	0.09
P-707	30.00	8.0	PVC	150.0	0.00	Open	-176.21	0.02
P-708	26.00	8.0	PVC	150.0	0.00	Open	-196.25	0.02
P-709	22.00	8.0	PVC	150.0	0.00	Open	-196.25	0.02
P-710	241.00	8.0	PVC	150.0	0.00	Open	-196.25	0.17
P-711	28.00	8.0	PVC	150.0	0.00	Open	-196.25	0.02
P-712	24.00	8.0	PVC	150.0	0.00	Open	-196.25	0.02
P-713	37.00	8.0	PVC	150.0	0.00	Open	-51.87	0.00
P-714	253.00	8.0	PVC	150.0	0.00	Open	-51.87	0.01
P-715	71.00	8.0	PVC	150.0	0.00	Open	-51.87	0.00
P-716	433.00	8.0	Asbestos Cement	140.0	0.00	Open	11.08	0.00
P-717	46.00	8.0	Asbestos Cement	140.0	0.00	Open	14.67	0.00
P-718	37.00	8.0	Asbestos Cement	140.0	0.00	Open	-11.88	0.00
P-719	353.00	8.0	Asbestos Cement	140.0	0.00	Open	-11.88	0.00

Scenario: 1. Peak Hour Demand
Steady State Analysis
Pipe Report

Label	Length (ft)	Diameter (in)	Material	Hazen-Williams C	Minor Loss Coefficient	Control Status	Discharge (gpm)	Pressure Pipe Headloss (ft)
P-720	26.00	8.0	Asbestos Cement	140.0	0.00	Open	-11.88	0.00
P-721	61.00	8.0	Asbestos Cement	140.0	0.00	Open	34.21	0.00
P-722	60.00	8.0	Asbestos Cement	140.0	0.00	Open	-54.38	0.00
P-723	41.00	8.0	Asbestos Cement	140.0	0.00	Open	-49.76	0.00
P-724	28.00	8.0	Asbestos Cement	140.0	0.00	Open	-12.91	0.00
P-725	94.00	8.0	Asbestos Cement	140.0	0.00	Open	-12.91	0.00
P-726	48.00	8.0	Asbestos Cement	140.0	0.00	Open	-57.43	0.00
P-727	426.00	8.0	Asbestos Cement	140.0	0.00	Open	36.23	0.01
P-728	46.00	8.0	Asbestos Cement	140.0	0.00	Open	27.94	0.00
P-729	78.00	8.0	Asbestos Cement	140.0	0.00	Open	0.00	0.00
P-730	74.00	10.0	D. I.	130.0	0.00	Open	737.58	0.26
P-731	87.00	10.0	D. I.	130.0	0.00	Open	737.58	0.31
P-732	25.00	10.0	Asbestos Cement	140.0	0.00	Open	73.99	0.00
P-733	325.00	10.0	D. I.	130.0	0.00	Open	655.30	0.92
P-734	27.00	10.0	Asbestos Cement	140.0	0.00	Open	-65.70	0.00
P-735	31.00	10.0	Asbestos Cement	140.0	0.00	Open	20.13	0.00
P-736	238.00	10.0	D. I.	130.0	0.00	Open	692.58	0.74
P-737	261.00	10.0	D. I.	130.0	0.00	Open	539.66	0.51
P-738	34.00	10.0	D. I.	130.0	0.00	Open	539.66	0.07
P-739	69.00	10.0	PVC	150.0	0.00	Open	-87.36	0.00
P-740	55.00	10.0	PVC	150.0	0.00	Open	-87.36	0.00
P-741	35.00	10.0	PVC	150.0	0.00	Open	-103.94	0.00
P-742	191.00	10.0	PVC	150.0	0.00	Open	8.29	0.00
P-743	32.00	10.0	PVC	150.0	0.00	Open	-103.59	0.00
P-744	586.00	10.0	PVC	150.0	0.00	Open	-103.59	0.04
P-745	288.00	10.0	PVC	150.0	0.00	Open	-103.59	0.02
P-746	26.00	10.0	PVC	150.0	0.00	Open	-103.59	0.00
P-747	160.00	10.0	PVC	150.0	0.00	Open	-8.29	0.00
P-748	159.00	10.0	PVC	150.0	0.00	Open	-8.29	0.00
P-749	39.00	10.0	PVC	150.0	0.00	Open	16.43	0.00
P-750	37.00	10.0	PVC	150.0	0.00	Open	-33.01	0.00
P-751	338.00	10.0	PVC	150.0	0.00	Open	-6.44	0.00
P-752	41.00	10.0	PVC	150.0	0.00	Open	-6.44	0.00
P-753	29.00	10.0	PVC	150.0	0.00	Open	-21.70	0.00
P-754	305.00	10.0	PVC	150.0	0.00	Open	-21.70	0.00
P-755	25.00	10.0	PVC	150.0	0.00	Open	-29.99	0.00
P-756	30.00	10.0	PVC	150.0	0.00	Open	-531.56	0.04
P-757	169.00	10.0	PVC	150.0	0.00	Open	-531.56	0.25
P-758	29.00	10.0	D. I.	130.0	0.00	Open	8.29	0.00
P-759	366.00	10.0	D. I.	130.0	0.00	Open	-550.27	0.75
P-760	38.00	10.0	D. I.	130.0	0.00	Open	-550.27	0.08
P-761	43.00	10.0	D. I.	130.0	0.00	Open	-732.05	0.15
P-762	294.00	10.0	D. I.	130.0	0.00	Open	-732.05	1.02
P-763	52.00	10.0	D. I.	130.0	0.00	Open	222.70	0.02
P-764	261.00	10.0	D. I.	130.0	0.00	Open	222.70	0.10
P-765	20.00	10.0	D. I.	130.0	0.00	Open	821.57	0.09
P-766	37.00	10.0	PVC	150.0	0.00	Open	162.75	0.01
P-767	26.00	10.0	D. I.	130.0	0.00	Open	650.54	0.07
P-768	268.00	10.0	D. I.	130.0	0.00	Open	650.54	0.74
P-769	27.00	10.0	D. I.	130.0	0.00	Open	650.54	0.07
P-770	29.00	10.0	D. I.	130.0	0.00	Open	497.86	0.05

Scenario: 1. Peak Hour Demand
Steady State Analysis
Pipe Report

Label	Length (ft)	Diameter (in)	Material	Hazen-Williams C	Minor Loss Coefficient	Control Status	Discharge (gpm)	Pressure Pipe Headloss (ft)
P-771	232.00	10.0	D. I.	130.0	0.00	Open	497.86	0.39
P-772	28.00	10.0	D. I.	130.0	0.00	Open	489.57	0.05
P-773	76.00	10.0	D. I.	130.0	0.00	Open	489.57	0.12
P-774	14.00	10.0	D. I.	130.0	0.00	Open	231.66	0.01
P-775	188.00	10.0	D. I.	130.0	0.00	Open	231.66	0.08
P-776	37.00	10.0	D. I.	130.0	0.00	Open	249.62	0.02
P-777	303.00	10.0	D. I.	130.0	0.00	Open	249.62	0.14
P-778	217.00	10.0	D. I.	130.0	0.00	Open	249.62	0.10
P-779	32.00	10.0	D. I.	130.0	0.00	Open	249.62	0.02
P-780	26.00	10.0	D. I.	130.0	0.00	Open	391.62	0.03
P-781	207.00	10.0	D. I.	130.0	0.00	Open	391.62	0.22
P-782	147.00	10.0	D. I.	130.0	0.00	Open	-963.04	0.84
P-783	40.00	10.0	D. I.	130.0	0.00	Open	-607.16	0.10
P-784	312.00	10.0	D. I.	130.0	0.00	Open	-607.16	0.76
P-785	57.00	10.0	D. I.	130.0	0.00	Open	-703.14	0.18
P-786	151.00	10.0	D. I.	130.0	0.00	Open	-703.14	0.48
P-787	85.00	10.0	D. I.	130.0	0.00	Open	-703.14	0.27
P-788	239.00	12.0	PVC	150.0	0.00	Open	-29.31	0.00
P-789	33.00	12.0	PVC	150.0	0.00	Open	-29.31	0.00
P-790	295.00	12.0	PVC	150.0	0.00	Open	-29.31	0.00
P-791	203.00	12.0	PVC	150.0	0.00	Open	373.35	0.06
P-792	31.00	12.0	PVC	150.0	0.00	Open	373.35	0.01
P-793	42.00	12.0	PVC	150.0	0.00	Open	373.35	0.01
P-794	157.00	12.0	PVC	150.0	0.00	Open	328.18	0.04
P-795	34.00	12.0	PVC	150.0	0.00	Open	0.00	0.00
P-796	153.00	12.0	PVC	150.0	0.00	Open	319.89	0.04
P-797	23.00	12.0	Asbestos Cement	140.0	0.00	Open	154.43	0.00
P-798	18.00	12.0	PVC	150.0	0.00	Open	319.89	0.00
P-799	42.00	12.0	PVC	150.0	0.00	Open	-16.16	0.00
P-800	23.00	12.0	PVC	150.0	0.00	Open	165.46	0.00
P-801	267.00	12.0	PVC	150.0	0.00	Open	327.76	0.07
P-802	26.00	12.0	PVC	150.0	0.00	Open	327.76	0.01
P-803	38.00	12.0	PVC	150.0	0.00	Open	-35.43	0.00
P-804	25.00	12.0	PVC	150.0	0.00	Open	354.90	0.01
P-805	34.00	12.0	PVC	150.0	0.00	Open	354.90	0.01
P-806	224.00	12.0	PVC	150.0	0.00	Open	354.90	0.06
P-807	34.00	12.0	PVC	150.0	0.00	Open	354.90	0.01
P-808	24.00	12.0	PVC	150.0	0.00	Open	354.90	0.01
P-809	40.00	12.0	PVC	150.0	0.00	Open	23.65	0.00
P-810	28.00	12.0	PVC	150.0	0.00	Open	0.00	0.00
P-811	317.00	12.0	PVC	150.0	0.00	Open	322.96	0.08
P-812	21.00	12.0	PVC	150.0	0.00	Open	322.96	0.01
P-813	48.00	12.0	PVC	150.0	0.00	Open	417.34	0.02
P-814	42.00	12.0	PVC	150.0	0.00	Open	-102.67	0.00
P-815	38.00	12.0	PVC	150.0	0.00	Open	-102.67	0.00
P-816	308.00	12.0	PVC	150.0	0.00	Open	-102.67	0.01
P-817	36.00	12.0	PVC	150.0	0.00	Open	-102.67	0.00
P-818	38.00	12.0	PVC	150.0	0.00	Open	-102.67	0.00
P-820	31.00	12.0	PVC	150.0	0.00	Open	-169.43	0.00
P-821	265.00	12.0	PVC	150.0	0.00	Open	-169.43	0.02
P-822	34.00	12.0	PVC	150.0	0.00	Open	-169.43	0.00

Scenario: 1. Peak Hour Demand
Steady State Analysis
Pipe Report

Label	Length (ft)	Diameter (in)	Material	Hazen-Williams C	Minor Loss Coefficient	Control Status	Discharge (gpm)	Pressure Pipe Headloss (ft)
P-823	58.00	12.0	PVC	150.0	0.00	Open	-169.43	0.00
P-824	32.00	12.0	PVC	150.0	0.00	Open	-186.99	0.00
P-825	40.00	12.0	PVC	150.0	0.00	Open	-186.99	0.00
P-826	317.00	12.0	PVC	150.0	0.00	Open	-186.99	0.03
P-827	33.00	12.0	PVC	150.0	0.00	Open	-186.99	0.00
P-828	57.00	12.0	PVC	150.0	0.00	Open	-186.99	0.01
P-829	34.00	12.0	Asbestos Cement	140.0	0.00	Open	30.09	0.00
P-830	34.00	12.0	Asbestos Cement	140.0	0.00	Open	88.69	0.00
P-831	29.00	12.0	PVC	150.0	0.00	Open	-314.06	0.01
P-832	24.00	12.0	PVC	150.0	0.00	Open	-314.06	0.01
P-833	290.00	12.0	PVC	150.0	0.00	Open	-314.06	0.07
P-834	25.00	12.0	PVC	150.0	0.00	Open	-322.36	0.01
P-835	27.00	12.0	PVC	150.0	0.00	Open	-322.36	0.01
P-836	38.00	12.0	Asbestos Cement	140.0	0.00	Open	48.05	0.00
P-837	50.00	12.0	D. I.	130.0	0.00	Open	-391.62	0.02
P-838	40.00	12.0	PVC	150.0	0.00	Open	12.92	0.00
P-839	34.00	12.0	PVC	150.0	0.00	Open	12.92	0.00
P-840	265.00	12.0	PVC	150.0	0.00	Open	112.04	0.01
P-841	29.00	12.0	PVC	150.0	0.00	Open	112.04	0.00
P-842	19.00	12.0	PVC	150.0	0.00	Open	112.04	0.00
P-843	58.00	12.0	PVC	150.0	0.00	Open	16.39	0.00
P-844	31.00	12.0	PVC	150.0	0.00	Open	87.36	0.00
P-845	272.00	12.0	PVC	150.0	0.00	Open	87.36	0.01
P-846	24.00	12.0	PVC	150.0	0.00	Open	87.36	0.00
P-847	31.00	12.0	PVC	150.0	0.00	Open	19.09	0.00
P-848	236.00	12.0	PVC	150.0	0.00	Open	19.09	0.00
P-849	34.00	12.0	PVC	150.0	0.00	Open	19.09	0.00
P-850	34.00	12.0	PVC	150.0	0.00	Open	19.09	0.00
P-851	23.00	12.0	PVC	150.0	0.00	Open	-46.54	0.00
P-852	36.00	12.0	PVC	150.0	0.00	Open	476.73	0.02
P-853	262.00	12.0	PVC	150.0	0.00	Open	476.73	0.13
P-854	29.00	12.0	PVC	150.0	0.00	Open	476.73	0.01
P-855	60.00	12.0	PVC	150.0	0.00	Open	61.73	0.00
P-856	37.00	12.0	PVC	150.0	0.00	Open	415.00	0.01
P-857	241.00	12.0	PVC	150.0	0.00	Open	415.00	0.09
P-858	27.00	12.0	PVC	150.0	0.00	Open	415.00	0.01
P-859	51.00	12.0	PVC	150.0	0.00	Open	58.17	0.00
P-860	30.00	12.0	PVC	150.0	0.00	Open	348.54	0.01
P-861	58.00	12.0	PVC	150.0	0.00	Open	348.54	0.02
P-862	27.00	12.0	PVC	150.0	0.00	Open	22.37	0.00
P-863	29.00	12.0	PVC	150.0	0.00	Open	317.87	0.01
P-864	26.00	12.0	PVC	150.0	0.00	Open	317.87	0.01
P-865	213.00	12.0	PVC	150.0	0.00	Open	317.87	0.05
P-866	24.00	12.0	PVC	150.0	0.00	Open	317.87	0.01
P-867	23.00	12.0	PVC	150.0	0.00	Open	278.74	0.00
P-868	70.00	12.0	PVC	150.0	0.00	Open	278.74	0.01
P-869	69.00	12.0	PVC	150.0	0.00	Open	278.74	0.01
P-870	21.00	12.0	PVC	150.0	0.00	Open	278.74	0.00
P-871	245.00	12.0	PVC	150.0	0.00	Open	270.45	0.04
P-872	44.00	12.0	PVC	150.0	0.00	Open	-68.61	0.00
P-873	370.00	12.0	PVC	150.0	0.00	Open	-68.61	0.01

Scenario: 1. Peak Hour Demand
Steady State Analysis
Pipe Report

Label	Length (ft)	Diameter (in)	Material	Hazen-Williams C	Minor Loss Coefficient	Control Status	Discharge (gpm)	Pressure Pipe Headloss (ft)
P-874	36.00	12.0	PVC	150.0	0.00	Open	-68.61	0.00
P-875	31.00	12.0	PVC	150.0	0.00	Open	-190.02	0.00
P-876	73.00	12.0	PVC	150.0	0.00	Open	-190.02	0.01
P-877	148.00	12.0	PVC	150.0	0.00	Open	108.29	0.00
P-878	52.00	12.0	PVC	150.0	0.00	Open	108.29	0.00
P-879	30.00	12.0	PVC	150.0	0.00	Open	330.76	0.01
P-880	309.00	12.0	PVC	150.0	0.00	Open	330.76	0.08
P-881	29.00	12.0	PVC	150.0	0.00	Open	330.76	0.01
P-882	29.00	12.0	PVC	150.0	0.00	Open	9.61	0.00
P-883	51.00	12.0	PVC	150.0	0.00	Open	7.65	0.00
P-884	28.00	12.0	PVC	150.0	0.00	Open	305.20	0.01
P-885	29.00	12.0	PVC	150.0	0.00	Open	305.20	0.01
P-886	268.00	12.0	PVC	150.0	0.00	Open	305.20	0.06
P-887	33.00	12.0	PVC	150.0	0.00	Open	305.20	0.01
P-888	39.00	12.0	PVC	150.0	0.00	Open	17.27	0.00
P-889	46.00	12.0	PVC	150.0	0.00	Open	279.65	0.01
P-890	284.00	12.0	PVC	150.0	0.00	Open	279.65	0.05
P-891	29.00	12.0	PVC	150.0	0.00	Open	279.65	0.01
P-892	44.00	12.0	PVC	150.0	0.00	Open	29.11	0.00
P-893	13.00	12.0	PVC	150.0	0.00	Open	242.24	0.00
P-894	25.00	12.0	PVC	150.0	0.00	Open	6.44	0.00
P-895	43.00	12.0	PVC	150.0	0.00	Open	227.51	0.01
P-896	240.00	12.0	PVC	150.0	0.00	Open	227.51	0.03
P-897	36.00	12.0	PVC	150.0	0.00	Open	227.51	0.00
P-898	36.00	12.0	PVC	150.0	0.00	Open	33.20	0.00
P-899	32.00	12.0	PVC	150.0	0.00	Open	186.01	0.00
P-900	22.00	12.0	PVC	150.0	0.00	Open	186.01	0.00
P-901	160.00	12.0	PVC	150.0	0.00	Open	186.01	0.01
P-902	30.00	12.0	PVC	150.0	0.00	Open	186.01	0.00
P-903	28.00	12.0	PVC	150.0	0.00	Open	186.01	0.00
P-904	30.00	12.0	PVC	150.0	0.00	Open	154.35	0.00
P-905	299.00	12.0	PVC	150.0	0.00	Open	154.35	0.02
P-906	215.00	12.0	PVC	150.0	0.00	Open	154.35	0.01
P-907	23.00	12.0	PVC	150.0	0.00	Open	154.35	0.00
P-908	39.00	12.0	PVC	150.0	0.00	Open	22.89	0.00
P-909	30.00	12.0	PVC	150.0	0.00	Open	123.17	0.00
P-910	45.00	12.0	PVC	150.0	0.00	Open	123.17	0.00
P-911	54.00	12.0	PVC	150.0	0.00	Open	123.17	0.00
P-912	41.00	12.0	PVC	150.0	0.00	Open	31.26	0.00
P-913	31.00	12.0	PVC	150.0	0.00	Open	83.62	0.00
P-914	421.00	12.0	PVC	150.0	0.00	Open	83.62	0.01
P-915	40.00	12.0	PVC	150.0	0.00	Open	83.62	0.00
P-916	21.00	12.0	PVC	150.0	0.00	Open	15.49	0.00
P-917	38.00	12.0	PVC	150.0	0.00	Open	68.13	0.00
P-918	409.00	12.0	PVC	150.0	0.00	Open	68.13	0.01
P-919	28.00	12.0	PVC	150.0	0.00	Open	68.13	0.00
P-920	36.00	12.0	PVC	150.0	0.00	Open	60.18	0.00
P-921	366.00	12.0	PVC	150.0	0.00	Open	60.18	0.00
P-922	30.00	12.0	PVC	150.0	0.00	Open	60.18	0.00
P-923	57.00	12.0	PVC	150.0	0.00	Open	2.33	0.00
P-924	38.00	12.0	PVC	150.0	0.00	Open	57.85	0.00

Scenario: 1. Peak Hour Demand
Steady State Analysis
Pipe Report

Label	Length (ft)	Diameter (in)	Material	Hazen-Williams C	Minor Loss Coefficient	Control Status	Discharge (gpm)	Pressure Pipe Headloss (ft)
P-925	141.00	12.0	PVC	150.0	0.00	Open	57.85	0.00
P-926	49.00	12.0	PVC	150.0	0.00	Open	57.85	0.00
P-927	28.00	12.0	PVC	150.0	0.00	Open	33.01	0.00
P-928	40.00	12.0	PVC	150.0	0.00	Open	16.55	0.00
P-929	192.00	12.0	PVC	150.0	0.00	Open	16.55	0.00
P-930	33.00	12.0	PVC	150.0	0.00	Open	16.55	0.00
P-931	540.00	12.0	PVC	150.0	0.00	Open	16.55	0.00
P-932	22.00	12.0	PVC	150.0	0.00	Open	16.55	0.00
P-933	380.00	12.0	PVC	150.0	0.00	Open	16.55	0.00
P-934	130.00	12.0	Steel	100.0	0.00	Open	16.55	0.00
P-935	354.00	12.0	D. I.	130.0	0.00	Open	-963.04	0.84
P-936	251.00	12.0	HDPE	150.0	0.00	Open	103.59	0.01
P-937	22.00	4.0	Asbestos Cement	140.0	0.00	Open	-8.29	0.00
P-938	25.00	4.0	Asbestos Cement	140.0	0.00	Open	-2.46	0.00
P-939	20.00	6.0	PVC	150.0	0.00	Open	29.31	0.00
P-940	13.00	8.0	Asbestos Cement	140.0	0.00	Open	-31.35	0.00
P-941	23.00	6.0	Asbestos Cement	140.0	0.00	Open	-38.81	0.00
P-942	39.00	8.0	Asbestos Cement	140.0	0.00	Open	-19.73	0.00
P-943	25.00	6.0	Asbestos Cement	140.0	0.00	Open	539.66	0.52
P-944	37.00	6.0	Asbestos Cement	140.0	0.00	Open	373.35	0.39
P-945	424.00	1.5	PVC	150.0	0.00	Open	4.15	0.80
P-946	30.00	8.0	PVC	150.0	0.00	Open	46.20	0.00
P-947	40.00	6.0	PVC	150.0	0.00	Open	0.34	0.00
P-948	43.00	6.0	PVC	150.0	0.00	Open	-0.19	0.00
P-949	27.00	6.0	Asbestos Cement	140.0	0.00	Open	29.11	0.00
P-950	587.00	4.0	Steel	100.0	0.00	Open	-8.58	0.08
P-951	88.00	8.0	PVC	150.0	0.00	Open	-13.74	0.00
P-952	112.00	12.0	PVC	141.0	0.00	Open	-8.29	0.00
P-953	52.00	8.0	Asbestos Cement	140.0	0.00	Open	83.94	0.01
P-954	357.00	8.0	Asbestos Cement	140.0	0.00	Open	83.94	0.06
P-956	30.00	12.0	PVC	150.0	0.00	Open	-183.89	0.00
P-957	22.00	12.0	PVC	150.0	0.00	Open	-169.43	0.00
P-958	1,242.00	12.0	Steel	100.0	0.00	Open	16.55	0.00
P-959	4,418.00	12.0	Steel	100.0	0.00	Open	14.97	0.01
P-960	1,100.00	12.0	Steel	100.0	0.00	Open	7.09	0.00
P-961	427.00	12.0	Steel	100.0	0.00	Open	3.94	0.00
P-962	252.00	12.0	Steel	100.0	0.00	Open	0.00	0.00
P-963	50.00	12.0	Steel	100.0	0.00	Open	-0.00	0.00

SCENARIO 2

Fire

Scenario Summary Report

Scenario: 2. Maximum Day Demand with 3000 gpm at High School

Scenario Summary

Active Topology Alternative	Base-Active Topology
Physical Alternative	Base-Physical
Demand Alternative	MDD with 3000 gpm at High School
Initial Settings Alternative	Fire Suppression Depleted
Operational Alternative	Base-Operational
Age Alternative	Base-Age Alternative
Constituent Alternative	Base-Constituent
Trace Alternative	Base-Trace Alternative
Fire Flow Alternative	1000 gpm at All Zone 2 Hydrants
Capital Cost Alternative	Base-Capital Cost
Energy Cost Alternative	Base-Energy Cost
User Data Alternative	Base-User Data

Hydraulic Analysis Summary

Analysis	Steady State
Friction Method	Hazen-Williams Formula
Accuracy	0.001000
Trials	40

Quality Analysis Summary

Analysis	Constituent	Quality Time Step	N/A hr
Age Tolerance	0.01 hr	Constituent Tolerance	0.01 mg/l
Trace Tolerance	1.0 %		

Global Adjustments

Demand Operation	<None>	Roughness Operation	<None>
Demand	0.00	Roughness	0.00

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Tank

Scenario: 2. Maximum Day Demand with 3000 gpm at High School
Steady State Analysis
Tank Report

Label	Zone	Base Elevation (ft)	Minimum Elevation (ft)	Initial HGL (ft)	Maximum Elevation (ft)	Inactive Volume (gal)	Tank Diameter (ft)	Inflow (gpm)	Current Status
T-1	Reservoir Zone	1,754.62	1,754.62	1,767.10	1,796.62	0.00	90.00	3,568.17	Draining
T-2	Reservoir Zone	1,749.62	1,749.62	1,767.10	1,796.62	0.00	28.00	2,263.52	Draining

Node

Scenario: 2. Maximum Day Demand with 3000 gpm at High School
Steady State Analysis
Junction Report

Label	Elevation (ft)	Zone	Type	Base Flow (gpm)	Pattern	Demand (Calculated) (gpm)	Calculated Hydraulic Grade (ft)	Pressure (psi)
H-1	1,561.00	Zone - 2	Demand	6.36	Fixed	6.36	1,748.47	81.11
H-6	1,560.00	Zone - 2	Demand	0.00	Fixed	0.00	1,748.46	81.54
H-16	1,579.00	Zone - 2	Demand	0.00	Fixed	0.00	1,748.52	73.34
H-25	1,578.00	Zone - 2	Demand	0.00	Fixed	0.00	1,748.52	73.77
H-35	1,575.00	Zone - 2	Demand	0.00	Fixed	0.00	1,748.53	75.08
H-40	1,568.00	Zone - 2	Demand	0.00	Fixed	0.00	1,748.56	78.12
H-43	1,576.00	Zone - 2	Demand	0.00	Fixed	0.00	1,748.60	74.68
H-44	1,584.00	Zone - 2	Demand	0.00	Fixed	0.00	1,748.66	71.24
H-45	1,586.00	Zone - 2	Demand	0.00	Fixed	0.00	1,748.68	70.38
H-48	1,588.00	Zone - 2	Demand	0.00	Fixed	0.00	1,748.71	69.53
H-49	1,588.80	Zone - 2	Demand	0.00	Fixed	0.00	1,748.73	69.19
H-50	1,594.60	Zone - 2	Demand	0.00	Fixed	0.00	1,748.72	66.68
H-54	1,591.00	Zone - 2	Demand	0.00	Fixed	0.00	1,748.75	68.25
H-56	1,595.90	Zone - 2	Demand	0.00	Fixed	0.00	1,748.73	66.12
H-63	1,587.80	Zone - 2	Demand	0.00	Fixed	0.00	1,748.70	69.62
H-64	1,580.00	Zone - 2	Demand	0.00	Fixed	0.00	1,748.61	72.95
H-70	1,579.40	Zone - 2	Demand	0.00	Fixed	0.00	1,748.66	73.23
H-73	1,582.00	Zone - 2	Demand	0.00	Fixed	0.00	1,748.66	72.11
H-74	1,585.00	Zone - 2	Demand	0.00	Fixed	0.00	1,748.71	70.83
H-84	1,587.60	Zone - 2	Demand	0.00	Fixed	0.00	1,748.77	69.73
H-92	1,583.00	Zone - 2	Demand	0.00	Fixed	0.00	1,748.87	71.76
H-94	1,582.00	Zone - 2	Demand	0.00	Fixed	0.00	1,748.87	72.20
H-95	1,592.80	Zone - 2	Demand	0.00	Fixed	0.00	1,748.89	67.53
H-107	1,591.50	Zone - 2	Demand	0.00	Fixed	0.00	1,748.84	68.08
H-112	1,608.10	Zone - 2	Demand	0.00	Fixed	0.00	1,748.05	60.55
H-118	1,599.80	Zone - 2	Demand	0.00	Fixed	0.00	1,748.78	64.45
H-122	1,598.50	Zone - 2	Demand	0.00	Fixed	0.00	1,748.90	65.07
H-136	1,600.50	Zone - 2	Demand	0.00	Fixed	0.00	1,748.99	64.25
H-145	1,602.80	Zone - 2	Demand	0.00	Fixed	0.00	1,749.35	63.40
H-148	1,602.00	Zone - 2	Demand	0.00	Fixed	0.00	1,749.28	63.72
H-149	1,595.40	Zone - 2	Demand	0.00	Fixed	0.00	1,749.13	66.51
H-154	1,604.50	Zone - 2	Demand	0.00	Fixed	0.00	1,748.65	62.37
H-158	1,610.00	Zone - 2	Demand	0.00	Fixed	0.00	1,748.21	59.80
H-162	1,612.80	Zone - 2	Demand	0.00	Fixed	0.00	1,746.87	58.00
H-180	1,615.90	Zone - 2	Demand	0.00	Fixed	0.00	1,741.38	54.29
H-185	1,613.90	Zone - 2	Demand	0.00	Fixed	0.00	1,746.61	57.42
H-189	1,620.60	Zone - 2	Demand	0.00	Fixed	0.00	1,704.05	36.11
H-192	1,624.80	Zone - 6	Demand	1,500.00	Fixed	1,500.00	1,647.44	9.80
H-198	1,617.70	Zone - 2	Demand	0.00	Fixed	0.00	1,746.23	55.61
H-201	1,612.40	Zone - 2	Demand	0.00	Fixed	0.00	1,747.95	58.65
H-208	1,612.20	Zone - 2	Demand	0.00	Fixed	0.00	1,750.42	59.80
H-214	1,612.40	Zone - 2	Demand	0.00	Fixed	0.00	1,751.65	60.24
H-218	1,612.40	Zone - 2	Demand	0.00	Fixed	0.00	1,751.66	60.25
H-219	1,609.30	Zone - 2	Demand	0.00	Fixed	0.00	1,751.66	61.59
H-229	1,603.80	Zone - 2	Demand	0.00	Fixed	0.00	1,752.20	64.21
H-230	1,603.50	Zone - 2	Demand	0.00	Fixed	0.00	1,752.55	64.49
H-242	1,599.00	Zone - 2	Demand	0.00	Fixed	0.00	1,753.75	66.95
H-254	1,599.00	Zone - 2	Demand	0.00	Fixed	0.00	1,754.14	67.12
H-261	1,603.90	Zone - 2	Demand	0.00	Fixed	0.00	1,755.07	65.40
H-263	1,607.30	Zone - 2	Demand	0.00	Fixed	0.00	1,756.94	64.74
H-266	1,609.60	Zone - 2	Demand	0.00	Fixed	0.00	1,757.42	63.95

Scenario: 2. Maximum Day Demand with 3000 gpm at High School
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Label	Elevation (ft)	Zone	Type	Base Flow (gpm)	Pattern	Demand (Calculated) (gpm)	Calculated Hydraulic Grade (ft)	Pressure (psi)
H-271	1,607.00	Zone - 2	Demand	0.00	Fixed	0.00	1,753.47	63.37
H-278	1,605.20	Zone - 2	Demand	0.00	Fixed	0.00	1,753.04	63.96
H-285	1,673.30	Zone - 2	Demand	0.00	Fixed	0.00	1,761.95	38.35
H-286	1,654.00	Zone - 2	Demand	0.00	Fixed	0.00	1,762.61	46.99
H-287	1,640.00	Zone - 2	Demand	0.00	Fixed	0.00	1,762.90	53.17
H-291	1,715.00	Zone - 5	Demand	0.00	Fixed	0.00	1,763.83	21.12
H-292	1,724.40	Zone - 5	Demand	0.00	Fixed	0.00	1,764.47	17.34
H-305	1,613.50	Zone - 2	Demand	0.00	Fixed	0.00	1,753.41	60.53
H-312	1,609.80	Zone - 2	Demand	0.00	Fixed	0.00	1,752.55	61.76
H-317	1,616.70	Zone - 2	Demand	0.00	Fixed	0.00	1,748.60	57.07
H-322	1,615.90	Zone - 2	Demand	0.00	Fixed	0.00	1,749.89	57.97
H-327	1,615.10	Zone - 2	Demand	0.00	Fixed	0.00	1,750.86	58.74
H-333	1,613.60	Zone - 2	Demand	0.00	Fixed	0.00	1,751.69	59.75
H-335	1,605.70	Zone - 2	Demand	0.00	Fixed	0.00	1,751.91	63.26
H-344	1,603.50	Zone - 2	Demand	0.00	Fixed	0.00	1,752.13	64.30
H-353	1,605.40	Zone - 2	Demand	0.00	Fixed	0.00	1,752.36	63.58
H-359	1,609.30	Zone - 2	Demand	0.00	Fixed	0.00	1,751.89	61.69
H-366	1,608.90	Zone - 2	Demand	0.00	Fixed	0.00	1,751.99	61.91
H-373	1,609.60	Zone - 2	Demand	0.00	Fixed	0.00	1,752.07	61.64
H-377	1,614.50	Zone - 2	Demand	0.00	Fixed	0.00	1,752.56	59.73
H-384	1,616.30	Zone - 2	Demand	0.00	Fixed	0.00	1,752.08	58.75
H-391	1,614.20	Zone - 2	Demand	0.00	Fixed	0.00	1,751.96	59.60
H-393	1,615.00	Zone - 2	Demand	0.00	Fixed	0.00	1,751.85	59.21
H-398	1,617.00	Zone - 2	Demand	0.00	Fixed	0.00	1,751.75	58.30
H-400	1,613.60	Zone - 2	Demand	0.00	Fixed	0.00	1,751.71	59.75
H-401	1,616.90	Zone - 2	Demand	0.00	Fixed	0.00	1,750.91	57.98
H-416	1,620.60	Zone - 2	Demand	0.00	Fixed	0.00	1,749.36	55.71
H-424	1,621.60	Zone - 2	Demand	0.00	Fixed	0.00	1,748.24	54.79
H-425	1,622.80	Zone - 2	Demand	0.00	Fixed	0.00	1,748.17	54.24
H-433	1,627.50	Zone - 2	Demand	0.00	Fixed	0.00	1,747.38	51.87
H-434	1,629.70	Zone - 2	Demand	1,500.00	Fixed	1,500.00	1,743.19	49.10
H-435	1,631.90	Zone - 2	Demand	0.00	Fixed	0.00	1,745.03	48.95
H-443	1,634.50	Zone - 2	Demand	0.00	Fixed	0.00	1,746.07	48.27
H-445	1,637.30	Zone - 2	Demand	0.00	Fixed	0.00	1,746.41	47.21
H-464	1,642.00	Zone - 2	Demand	0.00	Fixed	0.00	1,746.43	45.18
H-465	1,646.98	Zone - 2	Demand	0.00	Fixed	0.00	1,746.43	43.03
H-471	1,645.20	Zone - 2	Demand	0.00	Fixed	0.00	1,746.42	43.79
H-489	1,650.50	Zone - 2	Demand	0.00	Fixed	0.00	1,746.43	41.50
H-498	1,670.10	Zone - 2	Demand	0.00	Fixed	0.00	1,746.44	33.03
H-500	1,664.30	Zone - 2	Demand	0.00	Fixed	0.00	1,746.44	35.54
H-509	1,659.50	Zone - 2	Demand	0.00	Fixed	0.00	1,746.44	37.61
H-510	1,658.00	Zone - 2	Demand	0.00	Fixed	0.00	1,746.44	38.26
H-514	1,653.60	Zone - 2	Demand	0.00	Fixed	0.00	1,746.44	40.17
H-522	1,650.40	Zone - 2	Demand	0.00	Fixed	0.00	1,746.46	41.56
H-527	1,647.00	Zone - 2	Demand	0.00	Fixed	0.00	1,746.48	43.04
H-533	1,644.40	Zone - 2	Demand	0.00	Fixed	0.00	1,746.51	44.18
H-534	1,643.10	Zone - 2	Demand	0.00	Fixed	0.00	1,746.53	44.75
H-539	1,641.40	Zone - 2	Demand	0.00	Fixed	0.00	1,746.56	45.50
H-546	1,640.10	Zone - 2	Demand	0.00	Fixed	0.00	1,746.74	46.14
H-550	1,638.20	Zone - 2	Demand	0.00	Fixed	0.00	1,746.91	47.03
H-568	1,631.00	Zone - 2	Demand	0.00	Fixed	0.00	1,748.31	50.75

Scenario: 2. Maximum Day Demand with 3000 gpm at High School
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Label	Elevation (ft)	Zone	Type	Base Flow (gpm)	Pattern	Demand (Calculated) (gpm)	Calculated Hydraulic Grade (ft)	Pressure (psi)
H-577	1,626.90	Zone - 2	Demand	0.00	Fixed	0.00	1,749.60	53.09
H-585	1,623.40	Zone - 2	Demand	0.00	Fixed	0.00	1,751.06	55.23
H-589	1,621.70	Zone - 2	Demand	0.00	Fixed	0.00	1,751.22	56.04
H-594	1,619.00	Zone - 2	Demand	0.00	Fixed	0.00	1,751.60	57.37
H-602	1,621.90	Zone - 2	Demand	0.00	Fixed	0.00	1,751.92	56.26
H-603	1,621.90	Zone - 2	Demand	0.00	Fixed	0.00	1,751.92	56.26
H-606	1,622.20	Zone - 2	Demand	0.00	Fixed	0.00	1,752.00	56.16
H-608	1,617.00	Zone - 2	Demand	0.00	Fixed	0.00	1,751.78	58.31
H-619	1,621.15	Zone - 2	Demand	0.00	Fixed	0.00	1,752.35	56.76
H-621	1,629.61	Zone - 2	Demand	0.00	Fixed	0.00	1,752.35	53.10
H-625	1,629.70	Zone - 2	Demand	0.00	Fixed	0.00	1,752.35	53.06
H-626	1,629.70	Zone - 2	Demand	0.00	Fixed	0.00	1,752.35	53.06
H-637	1,630.90	Zone - 2	Demand	0.00	Fixed	0.00	1,752.42	52.58
H-642	1,631.70	Zone - 2	Demand	0.00	Fixed	0.00	1,752.39	52.21
H-645	1,632.00	Zone - 2	Demand	0.00	Fixed	0.00	1,752.36	52.08
H-657	1,634.20	Zone - 2	Demand	0.00	Fixed	0.00	1,752.35	51.12
H-664	1,638.20	Zone - 2	Demand	0.00	Fixed	0.00	1,752.37	49.40
H-667	1,637.90	Zone - 2	Demand	0.00	Fixed	0.00	1,752.41	49.54
H-670	1,649.50	Zone - 2	Demand	0.00	Fixed	0.00	1,752.44	44.54
H-674	1,639.60	Zone - 2	Demand	0.00	Fixed	0.00	1,752.46	48.83
H-690	1,637.60	Zone - 2	Demand	0.00	Fixed	0.00	1,755.04	50.81
H-691	1,646.80	Zone - 2	Demand	0.00	Fixed	0.00	1,754.04	46.40
H-701	1,663.60	Zone - 2	Demand	0.00	Fixed	0.00	1,755.67	39.84
H-708	1,745.60	Zone - 1	Demand	0.00	Fixed	0.00	1,764.31	8.09
H-720	1,712.70	Zone - 1	Demand	0.00	Fixed	0.00	1,759.85	20.40
H-727	1,694.70	Zone - 2	Demand	0.00	Fixed	0.00	1,756.89	26.91
H-733	1,685.40	Zone - 1	Demand	0.00	Fixed	0.00	1,756.00	30.55
H-737	1,683.50	Zone - 1	Demand	0.00	Fixed	0.00	1,758.31	32.37
H-743	1,666.10	Zone - 2	Demand	0.00	Fixed	0.00	1,756.25	39.00
H-748	1,655.50	Zone - 2	Demand	0.00	Fixed	0.00	1,755.68	43.34
H-749	1,655.10	Zone - 2	Demand	0.00	Fixed	0.00	1,755.57	43.47
H-754	1,684.90	Zone - 1	Demand	0.00	Fixed	0.00	1,754.44	30.09
H-763	1,673.20	Zone - 2	Demand	0.00	Fixed	0.00	1,751.57	33.91
H-764	1,657.00	Zone - 2	Demand	0.00	Fixed	0.00	1,750.50	40.45
H-768	1,651.20	Zone - 2	Demand	0.00	Fixed	0.00	1,749.47	42.52
H-769	1,639.40	Zone - 2	Demand	0.00	Fixed	0.00	1,748.38	47.15
H-774	1,634.40	Zone - 2	Demand	0.00	Fixed	0.00	1,748.21	49.24
H-780	1,634.40	Zone - 2	Demand	0.00	Fixed	0.00	1,748.32	49.29
H-785	1,638.40	Zone - 2	Demand	0.00	Fixed	0.00	1,747.53	47.22
H-788	1,638.80	Zone - 2	Demand	0.00	Fixed	0.00	1,747.49	47.03
H-796	1,646.80	Zone - 2	Demand	0.00	Fixed	0.00	1,746.99	43.35
H-799	1,656.60	Zone - 2	Demand	0.00	Fixed	0.00	1,746.96	39.09
H-800	1,650.70	Zone - 2	Demand	0.00	Fixed	0.00	1,746.78	41.57
H-817	1,645.00	Zone - 2	Demand	0.00	Fixed	0.00	1,746.59	43.95
H-829	1,653.70	Zone - 2	Demand	0.00	Fixed	0.00	1,746.45	40.13
H-833	1,659.70	Zone - 2	Demand	0.00	Fixed	0.00	1,746.44	37.53
H-837	1,661.10	Zone - 2	Demand	0.00	Fixed	0.00	1,746.44	36.92
H-838	1,666.70	Zone - 2	Demand	0.00	Fixed	0.00	1,746.44	34.50
H-843	1,603.70	Zone - 2	Demand	0.00	Fixed	0.00	1,753.69	64.89
H-845	1,599.40	Zone - 2	Demand	0.00	Fixed	0.00	1,753.20	66.54
H-847	1,582.00	Zone - 2	Demand	0.00	Fixed	0.00	1,748.68	72.11

Scenario: 2. Maximum Day Demand with 3000 gpm at High School
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Label	Elevation (ft)	Zone	Type	Base Flow (gpm)	Pattern	Demand (Calculated) (gpm)	Calculated Hydraulic Grade (ft)	Pressure (psi)
H-848	1,594.20	Zone - 2	Demand	0.00	Fixed	0.00	1,748.82	66.90
H-850	1,621.60	Zone - 2	Demand	0.00	Fixed	0.00	1,747.91	54.65
H-862	1,745.00	Zone - 4	Demand	0.00	Fixed	0.00	1,746.43	0.62
J-2	1,563.00	Zone - 2	Demand	6.36	Fixed	6.36	1,748.47	80.24
J-3	1,560.00	Zone - 2	Demand	6.36	Fixed	6.36	1,748.48	81.54
J-4	1,561.00	Zone - 2	Demand	6.36	Fixed	6.36	1,748.47	81.11
J-5	1,557.00	Zone - 2	Demand	6.36	Fixed	6.36	1,748.44	82.83
J-7	1,569.00	Zone - 2	Demand	6.36	Fixed	6.36	1,748.41	77.62
J-8	1,573.80	Zone - 2	Demand	6.36	Fixed	6.36	1,748.51	75.59
J-12	1,563.00	Zone - 2	Demand	6.36	Fixed	6.36	1,748.38	80.21
J-13	1,571.10	Zone - 2	Demand	6.36	Fixed	6.36	1,748.43	76.72
J-15	1,573.80	Zone - 2	Demand	6.36	Fixed	6.36	1,748.52	75.59
J-17	1,575.60	Zone - 2	Demand	6.36	Fixed	6.36	1,748.52	74.82
J-19	1,573.00	Zone - 2	Demand	6.36	Fixed	6.36	1,748.47	75.92
J-22	1,573.00	Zone - 2	Demand	6.36	Fixed	6.36	1,748.48	75.92
J-23	1,573.00	Zone - 2	Demand	6.36	Fixed	6.36	1,748.48	75.92
J-24	1,569.00	Zone - 2	Demand	6.36	Fixed	6.36	1,747.01	77.02
J-26	1,578.00	Zone - 2	Demand	6.36	Fixed	6.36	1,748.52	73.77
J-28	1,577.00	Zone - 2	Demand	6.36	Fixed	6.36	1,748.52	74.21
J-31	1,579.00	Zone - 2	Demand	6.36	Fixed	6.36	1,748.52	73.34
J-33	1,576.00	Zone - 2	Demand	6.36	Fixed	6.36	1,748.52	74.64
J-34	1,568.00	Zone - 2	Demand	6.36	Fixed	6.36	1,748.47	78.08
J-37	1,574.00	Zone - 2	Demand	6.36	Fixed	6.36	1,748.54	75.51
J-39	1,568.00	Zone - 2	Demand	6.36	Fixed	6.36	1,748.56	78.12
J-41	1,571.00	Zone - 2	Demand	6.36	Fixed	6.36	1,748.57	76.82
J-42	1,565.00	Zone - 2	Demand	6.36	Fixed	6.36	1,748.57	79.42
J-46	1,585.00	Zone - 2	Demand	6.36	Fixed	6.36	1,748.70	70.83
J-52	1,591.00	Zone - 2	Demand	6.36	Fixed	6.36	1,748.75	68.25
J-57	1,595.90	Zone - 2	Demand	14.53	Fixed	14.53	1,748.73	66.12
J-59	1,589.50	Zone - 2	Demand	6.36	Fixed	6.36	1,748.75	68.90
J-60	1,589.50	Zone - 2	Demand	6.36	Fixed	6.36	1,748.75	68.90
J-69	1,581.00	Zone - 2	Demand	6.36	Fixed	6.36	1,748.66	72.54
J-75	1,585.00	Zone - 2	Demand	6.36	Fixed	6.36	1,748.72	70.83
J-81	1,590.00	Zone - 2	Demand	6.36	Fixed	6.36	1,748.75	68.68
J-82	1,590.00	Zone - 2	Demand	6.36	Fixed	6.36	1,748.75	68.68
J-85	1,588.00	Zone - 2	Demand	6.36	Fixed	6.36	1,748.77	69.56
J-87	1,588.00	Zone - 2	Demand	6.36	Fixed	6.36	1,748.77	69.56
J-89	1,592.80	Zone - 2	Demand	6.36	Fixed	6.36	1,748.87	67.52
J-98	1,594.20	Zone - 2	Demand	6.36	Fixed	6.36	1,748.83	66.90
J-103	1,592.50	Zone - 2	Demand	6.36	Fixed	6.36	1,748.84	67.64
J-108	1,597.00	Zone - 2	Demand	6.36	Fixed	6.36	1,748.74	65.65
J-111	1,607.70	Zone - 2	Demand	6.36	Fixed	6.36	1,748.26	60.82
J-115	1,603.50	Zone - 2	Demand	6.36	Fixed	6.36	1,748.55	62.76
J-116	1,599.80	Zone - 2	Demand	6.36	Fixed	6.36	1,748.78	64.46
J-119	1,599.80	Zone - 2	Demand	6.36	Fixed	6.36	1,748.79	64.46
J-125	1,598.50	Zone - 2	Demand	6.36	Fixed	6.36	1,748.91	65.08
J-128	1,598.50	Zone - 2	Demand	6.36	Fixed	6.36	1,748.93	65.08
J-129	1,595.70	Zone - 2	Demand	6.36	Fixed	6.36	1,748.90	66.28
J-132	1,600.50	Zone - 2	Demand	6.36	Fixed	6.36	1,748.87	64.19
J-138	1,601.20	Zone - 2	Demand	6.36	Fixed	6.36	1,749.43	64.13
J-141	1,602.80	Zone - 2	Demand	6.36	Fixed	6.36	1,749.43	63.44

low demand

Scenario: 2. Maximum Day Demand with 3000 gpm at High School
Steady State Analysis
Junction Report

Label	Elevation (ft)	Zone	Type	Base Flow (gpm)	Pattern	Demand (Calculated) (gpm)	Calculated Hydraulic Grade (ft)	Pressure (psi)
J-147	1,602.00	Zone - 2	Demand	6.36	Fixed	6.36	1,749.29	63.73
J-153	1,604.50	Zone - 2	Demand	6.36	Fixed	6.36	1,748.60	62.34
J-155	1,605.80	Zone - 2	Demand	6.36	Fixed	6.36	1,748.21	61.61
J-157	1,610.00	Zone - 2	Demand	6.36	Fixed	6.36	1,748.21	59.80
J-160	1,612.80	Zone - 2	Demand	6.36	Fixed	6.36	1,746.66	57.92
J-164	1,614.90	Zone - 2	Demand	6.36	Fixed	6.36	1,745.29	56.41
J-166	1,614.40	Zone - 2	Demand	9.81	Fixed	9.81	1,745.29	56.63
J-168	1,620.00	Zone - 2	Demand	6.36	Fixed	6.36	1,743.29	53.34
J-171	1,641.20	Zone - 2	Demand	6.36	Fixed	6.36	1,743.28	44.17
J-175	1,615.90	Zone - 2	Demand	6.36	Fixed	6.36	1,742.76	54.89
J-179	1,615.90	Zone - 2	Demand	6.36	Fixed	6.36	1,741.38	54.29
J-183	1,613.90	Zone - 2	Demand	6.36	Fixed	6.36	1,746.66	57.44
J-187	1,619.80	Zone - 2	Demand	30.47	Fixed	30.47	1,728.40	46.98
J-190	1,623.10	Zone - 6	Demand	6.36	Fixed	6.36	1,667.32	19.13
J-191	1,622.40	Zone - 6	Demand	9.60	Fixed	9.60	1,667.27	19.41
J-193	1,628.10	Zone - 6	Demand	6.36	Fixed	6.36	1,647.16	8.25
J-194	1,628.20	Zone - 6	Demand	6.36	Fixed	6.36	1,647.15	8.20
J-195	1,630.30	Zone - 6	Demand	22.39	Fixed	22.39	1,634.01	1.60
J-199	1,617.70	Zone - 2	Demand	6.29	Fixed	6.29	1,746.14	55.57
J-202	1,612.40	Zone - 2	Demand	6.36	Fixed	6.36	1,748.28	58.79
J-205	1,611.70	Zone - 2	Demand	6.36	Fixed	6.36	1,749.56	59.65
J-209	1,612.20	Zone - 2	Demand	6.36	Fixed	6.36	1,750.61	59.88
J-213	1,612.40	Zone - 2	Demand	6.36	Fixed	6.36	1,751.64	60.24
J-221	1,609.30	Zone - 2	Demand	6.36	Fixed	6.36	1,751.66	61.59
J-224	1,607.40	Zone - 2	Demand	6.36	Fixed	6.36	1,750.21	61.79
J-225	1,603.80	Zone - 2	Demand	6.36	Fixed	6.36	1,752.11	64.17
J-232	1,603.50	Zone - 2	Demand	6.36	Fixed	6.36	1,752.64	64.53
J-236	1,599.40	Zone - 2	Demand	6.36	Fixed	6.36	1,753.23	66.56
J-238	1,599.40	Zone - 2	Demand	6.36	Fixed	6.36	1,753.27	66.57
J-239	1,599.40	Zone - 2	Demand	6.36	Fixed	6.36	1,753.34	66.60
J-241	1,594.40	Zone - 2	Demand	6.36	Fixed	6.36	1,753.58	68.87
J-244	1,599.00	Zone - 2	Demand	6.36	Fixed	6.36	1,753.78	66.97
J-247	1,599.00	Zone - 2	Demand	6.36	Fixed	6.36	1,754.08	67.09
J-250	1,594.00	Zone - 2	Demand	6.36	Fixed	6.36	1,753.92	69.19
J-251	1,593.00	Zone - 2	Demand	6.36	Fixed	6.36	1,753.81	69.58
J-253	1,635.00	Zone - 2	Demand	6.36	Fixed	6.36	1,751.93	50.59
J-256	1,603.90	Zone - 2	Demand	6.36	Fixed	6.36	1,754.73	65.26
J-258	1,603.90	Zone - 2	Demand	6.36	Fixed	6.36	1,755.05	65.40
J-262	1,607.30	Zone - 2	Demand	6.36	Fixed	6.36	1,756.66	64.62
J-265	1,645.00	Zone - 2	Demand	6.36	Fixed	6.36	1,759.33	49.46
J-268	1,609.60	Zone - 2	Demand	6.36	Fixed	6.36	1,755.26	63.02
J-273	1,607.00	Zone - 2	Demand	6.36	Fixed	6.36	1,753.38	63.33
J-276	1,605.70	Zone - 2	Demand	6.36	Fixed	6.36	1,753.21	63.82
J-280	1,605.20	Zone - 2	Demand	6.36	Fixed	6.36	1,753.01	63.95
J-282	1,673.30	Zone - 2	Demand	6.36	Fixed	6.36	1,762.00	38.38
J-289	1,715.00	Zone - 5	Demand	6.36	Fixed	6.36	1,763.63	21.04
J-294	1,726.80	Zone - 5	Demand	6.36	Fixed	6.36	1,765.18	16.60
J-297	1,679.60	Zone - 2	Demand	6.36	Fixed	6.36	1,761.53	35.45
J-299	1,644.70	Zone - 2	Demand	6.36	Fixed	6.36	1,757.96	49.00
J-301	1,613.50	Zone - 2	Demand	6.36	Fixed	6.36	1,753.10	60.40
J-308	1,609.80	Zone - 2	Demand	6.36	Fixed	6.36	1,752.66	61.81

Scenario: 2. Maximum Day Demand with 3000 gpm at High School
Steady State Analysis
Junction Report

Label	Elevation (ft)	Zone	Type	Base Flow (gpm)	Pattern	Demand (Calculated) (gpm)	Calculated Hydraulic Grade (ft)	Pressure (psi)
J-309	1,609.80	Zone - 2	Demand	6.36	Fixed	6.36	1,752.58	61.78
J-315	1,616.70	Zone - 2	Demand	6.36	Fixed	6.36	1,748.44	57.00
J-319	1,615.90	Zone - 2	Demand	6.36	Fixed	6.36	1,749.71	57.90
J-325	1,615.10	Zone - 2	Demand	6.36	Fixed	6.36	1,750.69	58.66
J-336	1,605.70	Zone - 2	Demand	6.36	Fixed	6.36	1,751.95	63.28
J-341	1,603.50	Zone - 2	Demand	6.36	Fixed	6.36	1,752.15	64.32
J-345	1,603.70	Zone - 2	Demand	6.36	Fixed	6.36	1,752.25	64.27
J-347	1,605.40	Zone - 2	Demand	6.36	Fixed	6.36	1,752.29	63.55
J-349	1,605.40	Zone - 2	Demand	6.36	Fixed	6.36	1,752.31	63.56
J-356	1,609.30	Zone - 2	Demand	6.36	Fixed	6.36	1,751.88	61.69
J-361	1,608.90	Zone - 2	Demand	6.36	Fixed	6.36	1,751.97	61.90
J-362	1,608.90	Zone - 2	Demand	6.36	Fixed	6.36	1,751.98	61.90
J-367	1,609.10	Zone - 2	Demand	6.36	Fixed	6.36	1,752.00	61.83
J-372	1,609.60	Zone - 2	Demand	6.36	Fixed	6.36	1,752.03	61.62
J-376	1,616.10	Zone - 2	Demand	6.36	Fixed	6.36	1,752.55	59.03
J-381	1,621.15	Zone - 2	Demand	6.36	Fixed	6.36	1,752.35	56.76
J-382	1,616.30	Zone - 2	Demand	6.36	Fixed	6.36	1,752.10	58.75
J-383	1,616.30	Zone - 2	Demand	6.36	Fixed	6.36	1,752.09	58.75
J-387	1,614.20	Zone - 2	Demand	6.36	Fixed	6.36	1,751.99	59.62
J-395	1,617.00	Zone - 2	Demand	6.36	Fixed	6.36	1,751.76	58.30
J-403	1,616.90	Zone - 2	Demand	6.36	Fixed	6.36	1,750.87	57.96
J-407	1,618.70	Zone - 2	Demand	6.36	Fixed	6.36	1,750.25	56.91
J-409	1,618.70	Zone - 2	Demand	6.36	Fixed	6.36	1,750.15	56.87
J-412	1,620.60	Zone - 2	Demand	6.36	Fixed	6.36	1,749.24	55.66
J-413	1,620.60	Zone - 2	Demand	6.36	Fixed	6.36	1,749.22	55.65
J-419	1,621.60	Zone - 2	Demand	6.36	Fixed	6.36	1,748.27	54.80
J-422	1,621.60	Zone - 2	Demand	6.36	Fixed	6.36	1,748.26	54.80
J-427	1,622.80	Zone - 2	Demand	9.49	Fixed	9.49	1,748.15	54.23
J-430	1,627.50	Zone - 2	Demand	6.36	Fixed	6.36	1,747.22	51.80
J-437	1,631.90	Zone - 2	Demand	6.36	Fixed	6.36	1,745.63	49.21
J-441	1,634.50	Zone - 2	Demand	6.36	Fixed	6.36	1,746.02	48.25
J-449	1,637.90	Zone - 2	Demand	6.36	Fixed	6.36	1,746.41	46.95
J-452	1,638.90	Zone - 2	Demand	6.36	Fixed	6.36	1,746.42	46.52
J-453	1,638.90	Zone - 2	Demand	6.36	Fixed	6.36	1,746.42	46.52
J-454	1,638.90	Zone - 2	Demand	6.36	Fixed	6.36	1,746.42	46.52
J-458	1,640.60	Zone - 2	Demand	6.36	Fixed	6.36	1,746.42	45.78
J-461	1,641.70	Zone - 2	Demand	10.88	Fixed	10.88	1,746.43	45.31
J-470	1,646.98	Zone - 2	Demand	6.36	Fixed	6.36	1,746.43	43.03
J-472	1,645.20	Zone - 2	Demand	6.36	Fixed	6.36	1,746.42	43.79
J-473	1,645.20	Zone - 2	Demand	6.36	Fixed	6.36	1,746.42	43.79
J-476	1,644.80	Zone - 2	Demand	15.15	Fixed	15.15	1,746.41	43.96
J-477	1,647.70	Zone - 2	Demand	6.36	Fixed	6.36	1,746.41	42.71
J-478	1,647.70	Zone - 2	Demand	6.36	Fixed	6.36	1,746.41	42.71
J-480	1,648.90	Zone - 2	Demand	6.36	Fixed	6.36	1,746.41	42.19
J-482	1,652.30	Zone - 2	Demand	6.36	Fixed	6.36	1,746.42	40.72
J-485	1,652.30	Zone - 2	Demand	6.36	Fixed	6.36	1,746.42	40.72
J-486	1,655.00	Zone - 2	Demand	6.36	Fixed	6.36	1,746.42	39.55
J-487	1,650.50	Zone - 2	Demand	6.36	Fixed	6.36	1,746.43	41.50
J-490	1,656.00	Zone - 2	Demand	6.36	Fixed	6.36	1,746.42	39.12
J-492	1,658.90	Zone - 2	Demand	6.36	Fixed	6.36	1,746.42	37.87
J-495	1,657.70	Zone - 2	Demand	6.36	Fixed	6.36	1,746.42	38.39

Scenario: 2. Maximum Day Demand with 3000 gpm at High School
Steady State Analysis
Junction Report

Label	Elevation (ft)	Zone	Type	Base Flow (gpm)	Pattern	Demand (Calculated) (gpm)	Calculated Hydraulic Grade (ft)	Pressure (psi)
J-503	1,661.50	Zone - 2	Demand	6.36	Fixed	6.36	1,746.44	36.75
J-520	1,650.60	Zone - 2	Demand	6.36	Fixed	6.36	1,746.45	41.47
J-524	1,649.40	Zone - 2	Demand	6.36	Fixed	6.36	1,746.46	41.99
J-529	1,644.40	Zone - 2	Demand	6.36	Fixed	6.36	1,746.50	44.17
J-536	1,643.10	Zone - 2	Demand	6.36	Fixed	6.36	1,746.53	44.75
J-542	1,641.40	Zone - 2	Demand	6.36	Fixed	6.36	1,746.58	45.51
J-543	1,641.40	Zone - 2	Demand	6.36	Fixed	6.36	1,746.58	45.51
J-547	1,640.10	Zone - 2	Demand	6.36	Fixed	6.36	1,746.76	46.15
J-555	1,638.20	Zone - 2	Demand	6.36	Fixed	6.36	1,746.94	47.05
J-558	1,636.20	Zone - 2	Demand	6.36	Fixed	6.36	1,747.47	48.14
J-559	1,634.60	Zone - 2	Demand	6.36	Fixed	6.36	1,747.68	48.93
J-563	1,634.20	Zone - 2	Demand	6.36	Fixed	6.36	1,747.85	49.17
J-567	1,633.50	Zone - 2	Demand	6.36	Fixed	6.36	1,747.67	49.40
J-570	1,631.00	Zone - 2	Demand	6.36	Fixed	6.36	1,748.41	50.80
J-573	1,629.80	Zone - 2	Demand	6.36	Fixed	6.36	1,748.61	51.40
J-581	1,624.10	Zone - 2	Demand	6.36	Fixed	6.36	1,751.01	54.91
J-582	1,624.10	Zone - 2	Demand	6.36	Fixed	6.36	1,751.01	54.91
J-593	1,619.00	Zone - 2	Demand	6.36	Fixed	6.36	1,751.55	57.35
J-597	1,621.90	Zone - 2	Demand	6.36	Fixed	6.36	1,751.95	56.27
J-601	1,621.90	Zone - 2	Demand	6.36	Fixed	6.36	1,751.92	56.26
J-604	1,622.20	Zone - 2	Demand	6.36	Fixed	6.36	1,751.98	56.15
J-610	1,618.70	Zone - 2	Demand	6.36	Fixed	6.36	1,752.10	57.72
J-612	1,618.70	Zone - 2	Demand	6.36	Fixed	6.36	1,752.16	57.74
J-615	1,619.30	Zone - 2	Demand	6.36	Fixed	6.36	1,752.17	57.49
J-618	1,619.90	Zone - 2	Demand	6.36	Fixed	6.36	1,751.68	57.02
J-624	1,629.70	Zone - 2	Demand	6.36	Fixed	6.36	1,752.35	53.06
J-627	1,629.70	Zone - 2	Demand	6.36	Fixed	6.36	1,752.35	53.06
J-633	1,625.60	Zone - 2	Demand	6.36	Fixed	6.36	1,752.18	54.76
J-634	1,625.60	Zone - 2	Demand	6.36	Fixed	6.36	1,752.25	54.79
J-635	1,625.80	Zone - 2	Demand	6.36	Fixed	6.36	1,752.17	54.68
J-638	1,630.90	Zone - 2	Demand	6.36	Fixed	6.36	1,752.43	52.58
J-640	1,631.70	Zone - 2	Demand	6.36	Fixed	6.36	1,752.39	52.22
J-646	1,632.00	Zone - 2	Demand	6.36	Fixed	6.36	1,752.36	52.07
J-648	1,632.00	Zone - 2	Demand	6.36	Fixed	6.36	1,752.32	52.05
J-651	1,632.70	Zone - 2	Demand	6.36	Fixed	6.36	1,752.35	51.77
J-655	1,634.20	Zone - 2	Demand	6.36	Fixed	6.36	1,752.35	51.12
J-658	1,635.60	Zone - 2	Demand	6.36	Fixed	6.36	1,752.36	50.51
J-659	1,635.60	Zone - 2	Demand	6.36	Fixed	6.36	1,752.36	50.51
J-665	1,638.20	Zone - 2	Demand	6.36	Fixed	6.36	1,752.38	49.40
J-669	1,641.40	Zone - 2	Demand	6.36	Fixed	6.36	1,752.43	48.04
J-673	1,664.00	Zone - 2	Demand	6.36	Fixed	6.36	1,752.46	38.27
J-675	1,632.30	Zone - 2	Demand	6.36	Fixed	6.36	1,752.48	52.00
J-677	1,631.60	Zone - 2	Demand	6.36	Fixed	6.36	1,752.47	52.29
J-680	1,632.30	Zone - 2	Demand	6.36	Fixed	6.36	1,753.00	52.22
J-681	1,645.80	Zone - 2	Demand	82.99	Fixed	82.99	1,754.78	47.15
J-683	1,637.60	Zone - 2	Demand	6.36	Fixed	6.36	1,753.38	50.09
J-685	1,637.60	Zone - 2	Demand	6.36	Fixed	6.36	1,753.99	50.36
J-692	1,646.80	Zone - 2	Demand	6.36	Fixed	6.36	1,755.58	47.06
J-696	1,655.20	Zone - 2	Demand	6.36	Fixed	6.36	1,754.93	43.15
J-697	1,656.80	Zone - 2	Demand	6.36	Fixed	6.36	1,755.64	42.77
J-700	1,657.20	Zone - 2	Demand	6.36	Fixed	6.36	1,755.52	42.54

Scenario: 2. Maximum Day Demand with 3000 gpm at High School
Steady State Analysis
Junction Report

Label	Elevation (ft)	Zone	Type	Base Flow (gpm)	Pattern	Demand (Calculated) (gpm)	Calculated Hydraulic Grade (ft)	Pressure (psi)
J-703	1,669.30	Zone - 2	Demand	6.36	Fixed	6.36	1,755.77	37.41
J-705	1,677.20	Zone - 2	Demand	6.36	Fixed	6.36	1,755.76	33.99
J-709	1,745.60	Zone - 1	Demand	6.36	Fixed	6.36	1,763.63	7.80
J-711	1,720.50	Zone - 1	Demand	6.36	Fixed	6.36	1,757.13	15.85
J-715	1,721.00	Zone - 1	Demand	6.36	Fixed	6.36	1,760.71	17.18
J-718	1,712.70	Zone - 1	Demand	6.36	Fixed	6.36	1,760.40	20.64
J-719	1,712.70	Zone - 1	Demand	6.36	Fixed	6.36	1,760.10	20.51
J-723	1,694.70	Zone - 2	Demand	6.36	Fixed	6.36	1,757.03	26.97
J-729	1,685.90	Zone - 1	Demand	6.36	Fixed	6.36	1,755.79	30.24
J-735	1,683.50	Zone - 1	Demand	6.36	Fixed	6.36	1,757.29	31.92
J-739	1,666.10	Zone - 2	Demand	6.36	Fixed	6.36	1,756.12	38.95
J-745	1,655.50	Zone - 2	Demand	6.36	Fixed	6.36	1,755.57	43.29
J-750	1,626.50	Zone - 2	Demand	1.01	Fixed	1.01	1,752.31	54.43
J-753	1,626.50	Zone - 2	Demand	6.36	Fixed	6.36	1,752.31	54.43
J-757	1,684.90	Zone - 1	Demand	6.36	Fixed	6.36	1,754.12	29.95
J-760	1,673.20	Zone - 2	Demand	6.36	Fixed	6.36	1,751.95	34.07
J-766	1,651.80	Zone - 2	Demand	6.36	Fixed	6.36	1,749.90	42.44
J-771	1,637.33	Zone - 2	Demand	6.36	Fixed	6.36	1,748.09	47.92
J-776	1,634.40	Zone - 2	Demand	6.36	Fixed	6.36	1,748.32	49.29
J-781	1,629.10	Zone - 2	Demand	6.36	Fixed	6.36	1,748.32	51.58
J-782	1,637.33	Zone - 2	Demand	8.54	Fixed	8.54	1,747.89	47.84
J-784	1,637.60	Zone - 2	Demand	6.36	Fixed	6.36	1,747.57	47.58
J-786	1,638.40	Zone - 2	Demand	10.04	Fixed	10.04	1,747.52	47.21
J-791	1,646.80	Zone - 2	Demand	6.36	Fixed	6.36	1,747.00	43.35
J-793	1,646.80	Zone - 2	Demand	6.36	Fixed	6.36	1,746.98	43.34
J-802	1,650.70	Zone - 2	Demand	6.36	Fixed	6.36	1,746.75	41.56
J-805	1,646.20	Zone - 2	Demand	6.36	Fixed	6.36	1,746.75	43.50
J-808	1,646.20	Zone - 2	Demand	6.36	Fixed	6.36	1,746.77	43.51
J-811	1,646.90	Zone - 2	Demand	6.36	Fixed	6.36	1,746.60	43.13
J-813	1,645.00	Zone - 2	Demand	6.36	Fixed	6.36	1,746.60	43.96
J-820	1,648.60	Zone - 2	Demand	6.36	Fixed	6.36	1,746.48	42.35
J-822	1,699.60	Zone - 3	Demand	94.02	Fixed	94.02	1,741.90	18.30
J-823	1,646.00	Zone - 2	Demand	6.36	Fixed	6.36	1,746.53	43.50
J-824	1,645.80	Zone - 2	Demand	6.36	Fixed	6.36	1,746.50	43.57
J-825	1,653.70	Zone - 2	Demand	6.36	Fixed	6.36	1,746.45	40.13
J-827	1,659.60	Zone - 2	Demand	6.36	Fixed	6.36	1,746.08	37.42
J-831	1,659.70	Zone - 2	Demand	6.36	Fixed	6.36	1,746.44	37.53
J-835	1,661.10	Zone - 2	Demand	6.36	Fixed	6.36	1,746.44	36.92
J-841	1,603.70	Zone - 2	Demand	6.36	Fixed	6.36	1,753.77	64.93
J-848	1,612.40	Zone - 2	Demand	6.36	Fixed	6.36	1,751.65	60.25
J-849	1,639.80	Zone - 2	Demand	6.36	Fixed	6.36	1,748.53	47.04
J-850	1,591.50	Zone - 2	Demand	6.36	Fixed	6.36	1,748.84	68.08
J-851	1,621.60	Zone - 2	Demand	6.36	Fixed	6.36	1,748.27	54.81
J-852	1,625.00	Zone - 2	Demand	6.36	Fixed	6.36	1,752.27	55.06
J-853	1,637.90	Zone - 2	Demand	10.52	Fixed	10.52	1,746.41	46.95
J-854	1,582.00	Zone - 2	Demand	7.77	Fixed	7.77	1,748.66	72.11
J-856	1,775.00	Zone - 4	Demand	0.00	Fixed	0.00	1,746.43	-12.36
J-858	1,680.00	Zone - 4	Demand	1.21	Fixed	1.21	1,746.43	28.74
J-859	1,772.00	Zone - 4	Demand	6.03	Fixed	6.03	1,746.43	-11.06
J-860	1,775.00	Zone - 4	Demand	2.41	Fixed	2.41	1,746.43	-12.36
J-861	1,775.00	Zone - 4	Demand	3.01	Fixed	3.01	1,746.43	-12.36

Scenario: 2. Maximum Day Demand with 3000 gpm at High School

Steady State Analysis

Junction Report

Label	Elevation (ft)	Zone	Type	Base Flow (gpm)	Pattern	Demand (Calculated) (gpm)	Calculated Hydraulic Grade (ft)	Pressure (psi)
V-9	1,573.80	Zone - 2	Demand	0.00	Fixed	0.00	1,748.51	75.59
V-10	1,573.80	Zone - 2	Demand	0.00	Fixed	0.00	1,748.51	75.59
V-11	1,561.00	Zone - 2	Demand	0.00	Fixed	0.00	1,748.47	81.11
V-14	1,571.10	Zone - 2	Demand	0.00	Fixed	0.00	1,748.43	76.72
V-18	1,575.60	Zone - 2	Demand	0.00	Fixed	0.00	1,748.52	74.81
V-20	1,573.00	Zone - 2	Demand	0.00	Fixed	0.00	1,748.47	75.92
V-21	1,573.00	Zone - 2	Demand	0.00	Fixed	0.00	1,748.47	75.92
V-27	1,577.00	Zone - 2	Demand	0.00	Fixed	0.00	1,748.52	74.21
V-29	1,578.00	Zone - 2	Demand	0.00	Fixed	0.00	1,748.52	73.77
V-30	1,577.00	Zone - 2	Demand	0.00	Fixed	0.00	1,748.52	74.21
V-32	1,577.00	Zone - 2	Demand	0.00	Fixed	0.00	1,748.52	74.21
V-36	1,573.50	Zone - 2	Demand	0.00	Fixed	0.00	1,748.54	75.73
V-38	1,573.50	Zone - 2	Demand	0.00	Fixed	0.00	1,748.54	75.73
V-47	1,585.00	Zone - 2	Demand	0.00	Fixed	0.00	1,748.70	70.83
V-51	1,591.00	Zone - 2	Demand	0.00	Fixed	0.00	1,748.75	68.25
V-53	1,591.00	Zone - 2	Demand	0.00	Fixed	0.00	1,748.75	68.25
V-55	1,595.90	Zone - 2	Demand	0.00	Fixed	0.00	1,748.73	66.12
V-58	1,595.90	Zone - 2	Demand	0.00	Fixed	0.00	1,748.73	66.12
V-61	1,589.50	Zone - 2	Demand	0.00	Fixed	0.00	1,748.75	68.90
V-62	1,589.50	Zone - 2	Demand	0.00	Fixed	0.00	1,748.75	68.90
V-65	1,580.00	Zone - 2	Demand	0.00	Fixed	0.00	1,748.62	72.95
V-66	1,581.00	Zone - 2	Demand	0.00	Fixed	0.00	1,748.65	72.53
V-67	1,581.00	Zone - 2	Demand	0.00	Fixed	0.00	1,748.66	72.54
V-68	1,581.00	Zone - 2	Demand	0.00	Fixed	0.00	1,748.66	72.54
V-71	1,579.40	Zone - 2	Demand	0.00	Fixed	0.00	1,748.66	73.23
V-72	1,582.00	Zone - 2	Demand	0.00	Fixed	0.00	1,748.66	72.10
V-76	1,585.00	Zone - 2	Demand	0.00	Fixed	0.00	1,748.72	70.83
V-77	1,587.50	Zone - 2	Demand	0.00	Fixed	0.00	1,748.74	69.76
V-78	1,590.00	Zone - 2	Demand	0.00	Fixed	0.00	1,748.75	68.68
V-79	1,590.00	Zone - 2	Demand	0.00	Fixed	0.00	1,748.75	68.68
V-80	1,590.00	Zone - 2	Demand	0.00	Fixed	0.00	1,748.75	68.68
V-83	1,590.00	Zone - 2	Demand	0.00	Fixed	0.00	1,748.76	68.69
V-86	1,588.00	Zone - 2	Demand	0.00	Fixed	0.00	1,748.78	69.56
V-88	1,592.80	Zone - 2	Demand	0.00	Fixed	0.00	1,748.86	67.52
V-90	1,592.80	Zone - 2	Demand	0.00	Fixed	0.00	1,748.88	67.53
V-91	1,592.80	Zone - 2	Demand	0.00	Fixed	0.00	1,748.87	67.52
V-93	1,583.00	Zone - 2	Demand	0.00	Fixed	0.00	1,748.87	71.76
V-96	1,597.00	Zone - 2	Demand	0.00	Fixed	0.00	1,748.74	65.65
V-97	1,594.20	Zone - 2	Demand	0.00	Fixed	0.00	1,748.83	66.90
V-99	1,594.20	Zone - 2	Demand	0.00	Fixed	0.00	1,748.84	66.90
V-100	1,594.20	Zone - 2	Demand	0.00	Fixed	0.00	1,748.84	66.90
V-101	1,594.20	Zone - 2	Demand	0.00	Fixed	0.00	1,748.83	66.90
V-102	1,592.50	Zone - 2	Demand	0.00	Fixed	0.00	1,748.84	67.64
V-104	1,591.50	Zone - 2	Demand	0.00	Fixed	0.00	1,748.84	68.08
V-105	1,592.50	Zone - 2	Demand	0.00	Fixed	0.00	1,748.85	67.64
V-106	1,591.50	Zone - 2	Demand	0.00	Fixed	0.00	1,748.84	68.08
V-109	1,597.00	Zone - 2	Demand	0.00	Fixed	0.00	1,748.75	65.65
V-110	1,597.00	Zone - 2	Demand	0.00	Fixed	0.00	1,748.71	65.64
V-113	1,607.70	Zone - 2	Demand	0.00	Fixed	0.00	1,748.30	60.83
V-114	1,603.60	Zone - 2	Demand	0.00	Fixed	0.00	1,748.53	62.70
V-117	1,599.80	Zone - 2	Demand	0.00	Fixed	0.00	1,748.77	64.45

Scenario: 2. Maximum Day Demand with 3000 gpm at High School
Steady State Analysis
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Label	Elevation (ft)	Zone	Type	Base Flow (gpm)	Pattern	Demand (Calculated) (gpm)	Calculated Hydraulic Grade (ft)	Pressure (psi)
V-120	1,599.80	Zone - 2	Demand	0.00	Fixed	0.00	1,748.79	64.46
V-121	1,599.80	Zone - 2	Demand	0.00	Fixed	0.00	1,748.80	64.46
V-123	1,598.50	Zone - 2	Demand	0.00	Fixed	0.00	1,748.91	65.08
V-124	1,598.50	Zone - 2	Demand	0.00	Fixed	0.00	1,748.92	65.08
V-126	1,598.50	Zone - 2	Demand	0.00	Fixed	0.00	1,748.91	65.08
V-127	1,598.50	Zone - 2	Demand	0.00	Fixed	0.00	1,748.91	65.08
V-130	1,595.70	Zone - 2	Demand	0.00	Fixed	0.00	1,748.90	66.28
V-131	1,600.50	Zone - 2	Demand	0.00	Fixed	0.00	1,748.86	64.19
V-133	1,600.50	Zone - 2	Demand	0.00	Fixed	0.00	1,748.91	64.21
V-134	1,600.50	Zone - 2	Demand	0.00	Fixed	0.00	1,748.84	64.18
V-135	1,600.50	Zone - 2	Demand	0.00	Fixed	0.00	1,748.81	64.17
V-137	1,601.20	Zone - 2	Demand	0.00	Fixed	0.00	1,749.36	64.10
V-139	1,602.80	Zone - 2	Demand	0.00	Fixed	0.00	1,749.43	63.44
V-140	1,602.80	Zone - 2	Demand	0.00	Fixed	0.00	1,749.39	63.42
V-142	1,602.80	Zone - 2	Demand	0.00	Fixed	0.00	1,749.41	63.43
V-143	1,602.80	Zone - 2	Demand	0.00	Fixed	0.00	1,749.53	63.48
V-144	1,601.20	Zone - 2	Demand	0.00	Fixed	0.00	1,749.53	64.18
V-146	1,602.00	Zone - 2	Demand	0.00	Fixed	0.00	1,749.31	63.73
V-150	1,603.30	Zone - 2	Demand	0.00	Fixed	0.00	1,748.55	62.84
V-151	1,604.50	Zone - 2	Demand	0.00	Fixed	0.00	1,748.60	62.34
V-152	1,604.50	Zone - 2	Demand	0.00	Fixed	0.00	1,748.57	62.33
V-156	1,605.80	Zone - 2	Demand	0.00	Fixed	0.00	1,748.21	61.61
V-159	1,612.80	Zone - 2	Demand	0.00	Fixed	0.00	1,746.82	57.98
V-161	1,612.80	Zone - 2	Demand	0.00	Fixed	0.00	1,746.71	57.94
V-163	1,610.60	Zone - 2	Demand	0.00	Fixed	0.00	1,747.14	59.07
V-165	1,614.90	Zone - 2	Demand	0.00	Fixed	0.00	1,745.29	56.41
V-167	1,620.00	Zone - 2	Demand	0.00	Fixed	0.00	1,743.51	53.44
V-169	1,620.00	Zone - 2	Demand	0.00	Fixed	0.00	1,743.29	53.34
V-170	1,620.00	Zone - 2	Demand	0.00	Fixed	0.00	1,743.28	53.34
V-172	1,620.70	Zone - 2	Demand	0.00	Fixed	0.00	1,742.97	52.90
V-173	1,619.40	Zone - 2	Demand	0.00	Fixed	0.00	1,742.92	53.44
V-174	1,615.90	Zone - 2	Demand	0.00	Fixed	0.00	1,742.77	54.89
V-176	1,615.90	Zone - 2	Demand	0.00	Fixed	0.00	1,743.10	55.04
V-177	1,615.90	Zone - 2	Demand	0.00	Fixed	0.00	1,742.02	54.56
V-178	1,615.90	Zone - 2	Demand	0.00	Fixed	0.00	1,741.38	54.29
V-181	1,621.40	Zone - 2	Demand	0.00	Fixed	0.00	1,741.38	51.91
V-182	1,613.90	Zone - 2	Demand	0.00	Fixed	0.00	1,746.55	57.39
V-184	1,613.90	Zone - 2	Demand	0.00	Fixed	0.00	1,746.65	57.44
V-186	1,619.80	Zone - 2	Demand	0.00	Fixed	0.00	1,729.49	47.46
V-188	1,619.80	Zone - 2	Demand	0.00	Fixed	0.00	1,722.57	44.46
V-196	1,617.70	Zone - 2	Demand	0.00	Fixed	0.00	1,744.60	54.90
V-197	1,617.70	Zone - 2	Demand	0.00	Fixed	0.00	1,746.20	55.59
V-200	1,617.70	Zone - 2	Demand	0.00	Fixed	0.00	1,746.52	55.74
V-203	1,612.40	Zone - 2	Demand	0.00	Fixed	0.00	1,748.45	58.86
V-204	1,612.40	Zone - 2	Demand	0.00	Fixed	0.00	1,748.29	58.79
V-206	1,611.70	Zone - 2	Demand	0.00	Fixed	0.00	1,749.57	59.65
V-207	1,611.70	Zone - 2	Demand	0.00	Fixed	0.00	1,749.72	59.71
V-210	1,612.20	Zone - 2	Demand	0.00	Fixed	0.00	1,750.61	59.89
V-211	1,612.20	Zone - 2	Demand	0.00	Fixed	0.00	1,750.69	59.92
V-212	1,612.40	Zone - 2	Demand	0.00	Fixed	0.00	1,751.42	60.15
V-215	1,612.40	Zone - 2	Demand	0.00	Fixed	0.00	1,751.65	60.25

Scenario: 2. Maximum Day Demand with 3000 gpm at High School
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Label	Elevation (ft)	Zone	Type	Base Flow (gpm)	Pattern	Demand (Calculated) (gpm)	Calculated Hydraulic Grade (ft)	Pressure (psi)
V-216	1,612.40	Zone - 2	Demand	0.00	Fixed	0.00	1,751.65	60.25
V-217	1,612.40	Zone - 2	Demand	0.00	Fixed	0.00	1,751.68	60.26
V-220	1,609.30	Zone - 2	Demand	0.00	Fixed	0.00	1,751.66	61.59
V-222	1,609.30	Zone - 2	Demand	0.00	Fixed	0.00	1,751.69	61.60
V-223	1,609.30	Zone - 2	Demand	0.00	Fixed	0.00	1,751.61	61.57
V-226	1,603.80	Zone - 2	Demand	0.00	Fixed	0.00	1,752.11	64.17
V-227	1,603.80	Zone - 2	Demand	0.00	Fixed	0.00	1,752.15	64.18
V-228	1,603.80	Zone - 2	Demand	0.00	Fixed	0.00	1,752.11	64.17
V-231	1,603.50	Zone - 2	Demand	0.00	Fixed	0.00	1,752.60	64.51
V-233	1,603.50	Zone - 2	Demand	0.00	Fixed	0.00	1,752.68	64.54
V-234	1,603.50	Zone - 2	Demand	0.00	Fixed	0.00	1,752.64	64.53
V-235	1,599.40	Zone - 2	Demand	0.00	Fixed	0.00	1,753.20	66.54
V-237	1,599.40	Zone - 2	Demand	0.00	Fixed	0.00	1,753.22	66.55
V-240	1,594.40	Zone - 2	Demand	0.00	Fixed	0.00	1,753.56	68.86
V-243	1,599.00	Zone - 2	Demand	0.00	Fixed	0.00	1,753.76	66.96
V-245	1,599.00	Zone - 2	Demand	0.00	Fixed	0.00	1,753.78	66.97
V-246	1,599.00	Zone - 2	Demand	0.00	Fixed	0.00	1,754.05	67.08
V-248	1,599.00	Zone - 2	Demand	0.00	Fixed	0.00	1,754.07	67.09
V-249	1,594.00	Zone - 2	Demand	0.00	Fixed	0.00	1,754.03	69.24
V-252	1,599.00	Zone - 2	Demand	0.00	Fixed	0.00	1,754.08	67.09
V-255	1,603.90	Zone - 2	Demand	0.00	Fixed	0.00	1,754.67	65.23
V-257	1,603.90	Zone - 2	Demand	0.00	Fixed	0.00	1,754.61	65.21
V-259	1,603.90	Zone - 2	Demand	0.00	Fixed	0.00	1,755.25	65.48
V-260	1,603.90	Zone - 2	Demand	0.00	Fixed	0.00	1,755.06	65.40
V-264	1,645.00	Zone - 2	Demand	0.00	Fixed	0.00	1,759.14	49.38
V-267	1,609.60	Zone - 2	Demand	0.00	Fixed	0.00	1,757.17	63.85
V-269	1,609.60	Zone - 2	Demand	0.00	Fixed	0.00	1,753.72	62.36
V-270	1,609.60	Zone - 2	Demand	0.00	Fixed	0.00	1,755.24	63.01
V-272	1,607.00	Zone - 2	Demand	0.00	Fixed	0.00	1,753.43	63.35
V-274	1,607.00	Zone - 2	Demand	0.00	Fixed	0.00	1,753.34	63.32
V-275	1,607.00	Zone - 2	Demand	0.00	Fixed	0.00	1,753.40	63.34
V-277	1,605.70	Zone - 2	Demand	0.00	Fixed	0.00	1,753.21	63.82
V-279	1,605.20	Zone - 2	Demand	0.00	Fixed	0.00	1,753.03	63.96
V-281	1,605.20	Zone - 2	Demand	0.00	Fixed	0.00	1,753.01	63.95
V-283	1,673.30	Zone - 2	Demand	0.00	Fixed	0.00	1,762.00	38.38
V-284	1,673.30	Zone - 2	Demand	0.00	Fixed	0.00	1,762.00	38.38
V-288	1,640.00	Zone - 2	Demand	0.00	Fixed	0.00	1,762.99	53.21
V-290	1,715.00	Zone - 5	Demand	0.00	Fixed	0.00	1,763.73	21.08
V-293	1,726.80	Zone - 5	Demand	0.00	Fixed	0.00	1,765.17	16.60
V-295	1,744.40	Reservoir Zone	Demand	0.00	Fixed	0.00	1,766.22	9.44
V-298	1,670.00	Zone - 2	Demand	0.00	Fixed	0.00	1,761.49	39.58
V-300	1,613.50	Zone - 2	Demand	0.00	Fixed	0.00	1,753.11	60.40
V-302	1,613.50	Zone - 2	Demand	0.00	Fixed	0.00	1,753.04	60.37
V-303	1,613.50	Zone - 2	Demand	0.00	Fixed	0.00	1,753.02	60.36
V-304	1,613.50	Zone - 2	Demand	0.00	Fixed	0.00	1,753.21	60.44
V-306	1,645.00	Zone - 2	Demand	0.00	Fixed	0.00	1,759.32	49.46
V-307	1,609.80	Zone - 2	Demand	0.00	Fixed	0.00	1,752.72	61.84
V-310	1,609.80	Zone - 2	Demand	0.00	Fixed	0.00	1,752.58	61.77
V-311	1,609.80	Zone - 2	Demand	0.00	Fixed	0.00	1,752.55	61.76
V-313	1,609.80	Zone - 2	Demand	0.00	Fixed	0.00	1,752.51	61.74
V-314	1,616.70	Zone - 2	Demand	0.00	Fixed	0.00	1,748.50	57.02

Scenario: 2. Maximum Day Demand with 3000 gpm at High School
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Label	Elevation (ft)	Zone	Type	Base Flow (gpm)	Pattern	Demand (Calculated) (gpm)	Calculated Hydraulic Grade (ft)	Pressure (psi)
V-316	1,616.70	Zone - 2	Demand	0.00	Fixed	0.00	1,748.42	56.99
V-318	1,615.90	Zone - 2	Demand	0.00	Fixed	0.00	1,749.54	57.82
V-320	1,615.90	Zone - 2	Demand	0.00	Fixed	0.00	1,749.74	57.91
V-321	1,615.90	Zone - 2	Demand	0.00	Fixed	0.00	1,749.70	57.89
V-323	1,615.10	Zone - 2	Demand	0.00	Fixed	0.00	1,750.58	58.61
V-324	1,615.10	Zone - 2	Demand	0.00	Fixed	0.00	1,750.69	58.66
V-326	1,615.10	Zone - 2	Demand	0.00	Fixed	0.00	1,750.71	58.67
V-328	1,614.40	Zone - 2	Demand	0.00	Fixed	0.00	1,751.45	59.29
V-329	1,613.60	Zone - 2	Demand	0.00	Fixed	0.00	1,751.70	59.75
V-330	1,613.60	Zone - 2	Demand	0.00	Fixed	0.00	1,751.70	59.75
V-331	1,613.60	Zone - 2	Demand	0.00	Fixed	0.00	1,751.73	59.76
V-332	1,613.60	Zone - 2	Demand	0.00	Fixed	0.00	1,751.69	59.74
V-334	1,605.70	Zone - 2	Demand	0.00	Fixed	0.00	1,751.88	63.25
V-337	1,605.70	Zone - 2	Demand	0.00	Fixed	0.00	1,751.95	63.27
V-338	1,605.70	Zone - 2	Demand	0.00	Fixed	0.00	1,751.97	63.28
V-339	1,605.70	Zone - 2	Demand	0.00	Fixed	0.00	1,751.97	63.29
V-340	1,603.50	Zone - 2	Demand	0.00	Fixed	0.00	1,752.14	64.31
V-342	1,603.50	Zone - 2	Demand	0.00	Fixed	0.00	1,752.14	64.31
V-343	1,603.50	Zone - 2	Demand	0.00	Fixed	0.00	1,752.22	64.34
V-346	1,603.70	Zone - 2	Demand	0.00	Fixed	0.00	1,752.23	64.26
V-348	1,605.40	Zone - 2	Demand	0.00	Fixed	0.00	1,752.29	63.55
V-350	1,605.40	Zone - 2	Demand	0.00	Fixed	0.00	1,752.33	63.57
V-351	1,605.40	Zone - 2	Demand	0.00	Fixed	0.00	1,752.27	63.54
V-352	1,605.40	Zone - 2	Demand	0.00	Fixed	0.00	1,752.40	63.60
V-354	1,610.50	Zone - 2	Demand	0.00	Fixed	0.00	1,751.82	61.14
V-355	1,609.30	Zone - 2	Demand	0.00	Fixed	0.00	1,751.85	61.67
V-357	1,609.30	Zone - 2	Demand	0.00	Fixed	0.00	1,751.88	61.69
V-358	1,609.30	Zone - 2	Demand	0.00	Fixed	0.00	1,751.89	61.69
V-360	1,608.90	Zone - 2	Demand	0.00	Fixed	0.00	1,751.96	61.90
V-363	1,608.90	Zone - 2	Demand	0.00	Fixed	0.00	1,751.99	61.91
V-364	1,608.90	Zone - 2	Demand	0.00	Fixed	0.00	1,751.98	61.90
V-365	1,608.90	Zone - 2	Demand	0.00	Fixed	0.00	1,752.00	61.91
V-368	1,609.10	Zone - 2	Demand	0.00	Fixed	0.00	1,752.02	61.84
V-369	1,609.60	Zone - 2	Demand	0.00	Fixed	0.00	1,752.02	61.62
V-370	1,609.60	Zone - 2	Demand	0.00	Fixed	0.00	1,752.05	61.63
V-371	1,609.60	Zone - 2	Demand	0.00	Fixed	0.00	1,752.03	61.62
V-374	1,616.10	Zone - 2	Demand	0.00	Fixed	0.00	1,752.56	59.04
V-375	1,616.10	Zone - 2	Demand	0.00	Fixed	0.00	1,752.55	59.03
V-378	1,621.15	Zone - 2	Demand	0.00	Fixed	0.00	1,752.36	56.77
V-379	1,621.15	Zone - 2	Demand	0.00	Fixed	0.00	1,752.33	56.75
V-380	1,621.15	Zone - 2	Demand	0.00	Fixed	0.00	1,752.35	56.76
V-385	1,616.30	Zone - 2	Demand	0.00	Fixed	0.00	1,752.07	58.74
V-386	1,616.30	Zone - 2	Demand	0.00	Fixed	0.00	1,752.09	58.75
V-388	1,614.20	Zone - 2	Demand	0.00	Fixed	0.00	1,751.99	59.62
V-389	1,614.20	Zone - 2	Demand	0.00	Fixed	0.00	1,751.98	59.61
V-390	1,614.20	Zone - 2	Demand	0.00	Fixed	0.00	1,751.99	59.62
V-392	1,615.00	Zone - 2	Demand	0.00	Fixed	0.00	1,751.87	59.22
V-394	1,617.00	Zone - 2	Demand	0.00	Fixed	0.00	1,751.76	58.30
V-396	1,617.00	Zone - 2	Demand	0.00	Fixed	0.00	1,751.77	58.31
V-397	1,617.00	Zone - 2	Demand	0.00	Fixed	0.00	1,751.75	58.30
V-399	1,617.00	Zone - 2	Demand	0.00	Fixed	0.00	1,751.75	58.30

Scenario: 2. Maximum Day Demand with 3000 gpm at High School
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Label	Elevation (ft)	Zone	Type	Base Flow (gpm)	Pattern	Demand (Calculated) (gpm)	Calculated Hydraulic Grade (ft)	Pressure (psi)
V-402	1,616.90	Zone - 2	Demand	0.00	Fixed	0.00	1,750.87	57.96
V-404	1,616.90	Zone - 2	Demand	0.00	Fixed	0.00	1,750.80	57.93
V-405	1,616.90	Zone - 2	Demand	0.00	Fixed	0.00	1,750.87	57.96
V-406	1,618.70	Zone - 2	Demand	0.00	Fixed	0.00	1,750.30	56.94
V-408	1,618.70	Zone - 2	Demand	0.00	Fixed	0.00	1,750.31	56.94
V-410	1,618.70	Zone - 2	Demand	0.00	Fixed	0.00	1,750.05	56.83
V-411	1,618.70	Zone - 2	Demand	0.00	Fixed	0.00	1,750.11	56.85
V-414	1,620.60	Zone - 2	Demand	0.00	Fixed	0.00	1,749.24	55.66
V-415	1,620.60	Zone - 2	Demand	0.00	Fixed	0.00	1,749.22	55.65
V-417	1,621.60	Zone - 2	Demand	0.00	Fixed	0.00	1,748.35	54.84
V-418	1,621.60	Zone - 2	Demand	0.00	Fixed	0.00	1,748.11	54.74
V-420	1,621.60	Zone - 2	Demand	0.00	Fixed	0.00	1,748.27	54.81
V-421	1,621.60	Zone - 2	Demand	0.00	Fixed	0.00	1,748.30	54.82
V-423	1,621.60	Zone - 2	Demand	0.00	Fixed	0.00	1,748.25	54.79
V-426	1,622.80	Zone - 2	Demand	0.00	Fixed	0.00	1,748.16	54.24
V-428	1,622.80	Zone - 2	Demand	0.00	Fixed	0.00	1,748.07	54.20
V-429	1,622.80	Zone - 2	Demand	0.00	Fixed	0.00	1,748.23	54.27
V-431	1,627.50	Zone - 2	Demand	0.00	Fixed	0.00	1,747.36	51.86
V-432	1,627.30	Zone - 2	Demand	0.00	Fixed	0.00	1,746.55	51.59
V-436	1,631.90	Zone - 2	Demand	0.00	Fixed	0.00	1,745.40	49.10
V-438	1,631.90	Zone - 2	Demand	0.00	Fixed	0.00	1,745.75	49.26
V-439	1,631.90	Zone - 2	Demand	0.00	Fixed	0.00	1,745.67	49.22
V-440	1,634.50	Zone - 2	Demand	0.00	Fixed	0.00	1,745.99	48.24
V-442	1,634.50	Zone - 2	Demand	0.00	Fixed	0.00	1,746.02	48.25
V-444	1,637.30	Zone - 2	Demand	0.00	Fixed	0.00	1,746.36	47.18
V-446	1,637.30	Zone - 2	Demand	0.00	Fixed	0.00	1,746.44	47.22
V-447	1,637.30	Zone - 2	Demand	0.00	Fixed	0.00	1,746.41	47.21
V-448	1,637.90	Zone - 2	Demand	0.00	Fixed	0.00	1,746.41	46.95
V-450	1,637.90	Zone - 2	Demand	0.00	Fixed	0.00	1,746.41	46.95
V-451	1,637.90	Zone - 2	Demand	0.00	Fixed	0.00	1,746.41	46.95
V-455	1,638.90	Zone - 2	Demand	0.00	Fixed	0.00	1,746.42	46.52
V-456	1,638.90	Zone - 2	Demand	0.00	Fixed	0.00	1,746.42	46.52
V-457	1,638.90	Zone - 2	Demand	0.00	Fixed	0.00	1,746.42	46.52
V-459	1,640.60	Zone - 2	Demand	0.00	Fixed	0.00	1,746.42	45.78
V-460	1,641.70	Zone - 2	Demand	0.00	Fixed	0.00	1,746.43	45.31
V-462	1,641.70	Zone - 2	Demand	0.00	Fixed	0.00	1,746.43	45.31
V-463	1,641.70	Zone - 2	Demand	0.00	Fixed	0.00	1,746.43	45.31
V-466	1,646.98	Zone - 2	Demand	0.00	Fixed	0.00	1,746.43	43.03
V-467	1,646.98	Zone - 2	Demand	0.00	Fixed	0.00	1,746.43	43.03
V-468	1,646.98	Zone - 2	Demand	0.00	Fixed	0.00	1,746.43	43.03
V-469	1,646.98	Zone - 2	Demand	0.00	Fixed	0.00	1,746.43	43.03
V-474	1,645.20	Zone - 2	Demand	0.00	Fixed	0.00	1,746.42	43.79
V-475	1,645.20	Zone - 2	Demand	0.00	Fixed	0.00	1,746.42	43.79
V-479	1,648.90	Zone - 2	Demand	0.00	Fixed	0.00	1,746.41	42.19
V-481	1,648.90	Zone - 2	Demand	0.00	Fixed	0.00	1,746.42	42.19
V-483	1,652.30	Zone - 2	Demand	0.00	Fixed	0.00	1,746.42	40.72
V-484	1,652.30	Zone - 2	Demand	0.00	Fixed	0.00	1,746.42	40.72
V-488	1,650.50	Zone - 2	Demand	0.00	Fixed	0.00	1,746.43	41.50
V-491	1,658.90	Zone - 2	Demand	0.00	Fixed	0.00	1,746.42	37.87
V-493	1,658.90	Zone - 2	Demand	0.00	Fixed	0.00	1,746.42	37.87
V-494	1,658.00	Zone - 2	Demand	0.00	Fixed	0.00	1,746.42	38.26

Scenario: 2. Maximum Day Demand with 3000 gpm at High School
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Label	Elevation (ft)	Zone	Type	Base Flow (gpm)	Pattern	Demand (Calculated) (gpm)	Calculated Hydraulic Grade (ft)	Pressure (psi)
V-496	1,682.90	Zone - 4	Demand	0.00	Fixed	0.00	1,746.44	27.49
V-497	1,676.50	Zone - 2	Demand	0.00	Fixed	0.00	1,746.44	30.26
V-499	1,670.10	Zone - 2	Demand	0.00	Fixed	0.00	1,746.44	33.03
V-501	1,664.30	Zone - 2	Demand	0.00	Fixed	0.00	1,746.44	35.54
V-502	1,661.50	Zone - 2	Demand	0.00	Fixed	0.00	1,746.44	36.75
V-504	1,661.50	Zone - 2	Demand	0.00	Fixed	0.00	1,746.44	36.75
V-505	1,661.50	Zone - 2	Demand	0.00	Fixed	0.00	1,746.44	36.75
V-506	1,659.50	Zone - 2	Demand	0.00	Fixed	0.00	1,746.44	37.61
V-507	1,659.50	Zone - 2	Demand	0.00	Fixed	0.00	1,746.44	37.61
V-508	1,659.50	Zone - 2	Demand	0.00	Fixed	0.00	1,746.44	37.61
V-511	1,658.00	Zone - 2	Demand	0.00	Fixed	0.00	1,746.44	38.26
V-512	1,658.00	Zone - 2	Demand	0.00	Fixed	0.00	1,746.44	38.26
V-513	1,658.00	Zone - 2	Demand	0.00	Fixed	0.00	1,746.44	38.26
V-515	1,653.60	Zone - 2	Demand	0.00	Fixed	0.00	1,746.45	40.17
V-516	1,653.60	Zone - 2	Demand	0.00	Fixed	0.00	1,746.45	40.17
V-517	1,653.60	Zone - 2	Demand	0.00	Fixed	0.00	1,746.45	40.17
V-518	1,653.60	Zone - 2	Demand	0.00	Fixed	0.00	1,746.45	40.17
V-519	1,650.60	Zone - 2	Demand	0.00	Fixed	0.00	1,746.45	41.47
V-521	1,650.60	Zone - 2	Demand	0.00	Fixed	0.00	1,746.45	41.47
V-523	1,649.40	Zone - 2	Demand	0.00	Fixed	0.00	1,746.46	41.99
V-525	1,649.40	Zone - 2	Demand	0.00	Fixed	0.00	1,746.46	41.99
V-526	1,649.40	Zone - 2	Demand	0.00	Fixed	0.00	1,746.46	41.99
V-528	1,644.40	Zone - 2	Demand	0.00	Fixed	0.00	1,746.50	44.17
V-530	1,644.40	Zone - 2	Demand	0.00	Fixed	0.00	1,746.50	44.18
V-531	1,644.40	Zone - 2	Demand	0.00	Fixed	0.00	1,746.50	44.17
V-532	1,644.40	Zone - 2	Demand	0.00	Fixed	0.00	1,746.49	44.17
V-535	1,643.10	Zone - 2	Demand	0.00	Fixed	0.00	1,746.53	44.75
V-537	1,643.10	Zone - 2	Demand	0.00	Fixed	0.00	1,746.53	44.75
V-538	1,643.10	Zone - 2	Demand	0.00	Fixed	0.00	1,746.54	44.75
V-540	1,641.40	Zone - 2	Demand	0.00	Fixed	0.00	1,746.57	45.50
V-541	1,641.40	Zone - 2	Demand	0.00	Fixed	0.00	1,746.57	45.50
V-544	1,641.40	Zone - 2	Demand	0.00	Fixed	0.00	1,746.60	45.51
V-545	1,641.40	Zone - 2	Demand	0.00	Fixed	0.00	1,746.58	45.51
V-548	1,640.10	Zone - 2	Demand	0.00	Fixed	0.00	1,746.78	46.15
V-549	1,640.10	Zone - 2	Demand	0.00	Fixed	0.00	1,746.76	46.15
V-551	1,638.20	Zone - 2	Demand	0.00	Fixed	0.00	1,746.92	47.04
V-552	1,638.20	Zone - 2	Demand	0.00	Fixed	0.00	1,746.94	47.05
V-553	1,638.20	Zone - 2	Demand	0.00	Fixed	0.00	1,746.98	47.06
V-554	1,638.20	Zone - 2	Demand	0.00	Fixed	0.00	1,746.91	47.03
V-556	1,636.20	Zone - 2	Demand	0.00	Fixed	0.00	1,747.43	48.12
V-557	1,636.20	Zone - 2	Demand	0.00	Fixed	0.00	1,747.47	48.14
V-560	1,634.60	Zone - 2	Demand	0.00	Fixed	0.00	1,747.70	48.93
V-561	1,633.60	Zone - 2	Demand	0.00	Fixed	0.00	1,747.77	49.39
V-562	1,634.20	Zone - 2	Demand	0.00	Fixed	0.00	1,747.83	49.16
V-564	1,634.20	Zone - 2	Demand	0.00	Fixed	0.00	1,747.90	49.19
V-565	1,634.20	Zone - 2	Demand	0.00	Fixed	0.00	1,747.85	49.17
V-566	1,633.50	Zone - 2	Demand	0.00	Fixed	0.00	1,747.70	49.41
V-569	1,631.00	Zone - 2	Demand	0.00	Fixed	0.00	1,748.36	50.78
V-571	1,631.00	Zone - 2	Demand	0.00	Fixed	0.00	1,748.41	50.80
V-572	1,629.80	Zone - 2	Demand	0.00	Fixed	0.00	1,748.54	51.37
V-574	1,629.80	Zone - 2	Demand	0.00	Fixed	0.00	1,748.69	51.44

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Label	Elevation (ft)	Zone	Type	Base Flow (gpm)	Pattern	Demand (Calculated) (gpm)	Calculated Hydraulic Grade (ft)	Pressure (psi)
V-575	1,629.80	Zone - 2	Demand	0.00	Fixed	0.00	1,748.60	51.40
V-576	1,626.90	Zone - 2	Demand	0.00	Fixed	0.00	1,749.48	53.03
V-578	1,626.90	Zone - 2	Demand	0.00	Fixed	0.00	1,749.72	53.14
V-579	1,626.90	Zone - 2	Demand	0.00	Fixed	0.00	1,749.59	53.08
V-580	1,624.10	Zone - 2	Demand	0.00	Fixed	0.00	1,750.85	54.84
V-583	1,623.40	Zone - 2	Demand	0.00	Fixed	0.00	1,751.03	55.22
V-584	1,624.10	Zone - 2	Demand	0.00	Fixed	0.00	1,750.94	54.88
V-586	1,621.70	Zone - 2	Demand	0.00	Fixed	0.00	1,751.20	56.03
V-587	1,621.70	Zone - 2	Demand	0.00	Fixed	0.00	1,751.24	56.05
V-588	1,621.70	Zone - 2	Demand	0.00	Fixed	0.00	1,751.08	55.98
V-590	1,619.00	Zone - 2	Demand	0.00	Fixed	0.00	1,751.52	57.33
V-591	1,619.00	Zone - 2	Demand	0.00	Fixed	0.00	1,751.57	57.36
V-592	1,619.00	Zone - 2	Demand	0.00	Fixed	0.00	1,751.55	57.35
V-595	1,621.90	Zone - 2	Demand	0.00	Fixed	0.00	1,751.91	56.25
V-596	1,621.90	Zone - 2	Demand	0.00	Fixed	0.00	1,751.93	56.26
V-598	1,621.90	Zone - 2	Demand	0.00	Fixed	0.00	1,751.95	56.27
V-599	1,621.90	Zone - 2	Demand	0.00	Fixed	0.00	1,752.07	56.32
V-600	1,621.90	Zone - 2	Demand	0.00	Fixed	0.00	1,751.94	56.26
V-605	1,622.20	Zone - 2	Demand	0.00	Fixed	0.00	1,751.98	56.15
V-607	1,622.20	Zone - 2	Demand	0.00	Fixed	0.00	1,752.02	56.17
V-609	1,618.70	Zone - 2	Demand	0.00	Fixed	0.00	1,752.09	57.71
V-611	1,618.70	Zone - 2	Demand	0.00	Fixed	0.00	1,752.13	57.73
V-613	1,618.70	Zone - 2	Demand	0.00	Fixed	0.00	1,752.16	57.74
V-614	1,618.70	Zone - 2	Demand	0.00	Fixed	0.00	1,752.18	57.75
V-616	1,625.60	Zone - 2	Demand	0.00	Fixed	0.00	1,752.18	54.76
V-617	1,616.30	Zone - 2	Demand	0.00	Fixed	0.00	1,752.10	58.75
V-620	1,625.42	Zone - 2	Demand	0.00	Fixed	0.00	1,752.35	54.92
V-622	1,629.61	Zone - 2	Demand	0.00	Fixed	0.00	1,752.35	53.10
V-623	1,629.61	Zone - 2	Demand	0.00	Fixed	0.00	1,752.35	53.10
V-628	1,629.70	Zone - 2	Demand	0.00	Fixed	0.00	1,752.35	53.06
V-629	1,629.70	Zone - 2	Demand	0.00	Fixed	0.00	1,752.35	53.06
V-630	1,629.70	Zone - 2	Demand	0.00	Fixed	0.00	1,752.35	53.06
V-631	1,625.00	Zone - 2	Demand	0.00	Fixed	0.00	1,752.27	55.06
V-632	1,625.00	Zone - 2	Demand	0.00	Fixed	0.00	1,752.29	55.07
V-636	1,631.70	Zone - 2	Demand	0.00	Fixed	0.00	1,752.39	52.22
V-639	1,630.90	Zone - 2	Demand	0.00	Fixed	0.00	1,752.43	52.58
V-641	1,631.70	Zone - 2	Demand	0.00	Fixed	0.00	1,752.39	52.22
V-643	1,631.70	Zone - 2	Demand	0.00	Fixed	0.00	1,752.38	52.21
V-644	1,632.00	Zone - 2	Demand	0.00	Fixed	0.00	1,752.37	52.08
V-647	1,632.00	Zone - 2	Demand	0.00	Fixed	0.00	1,752.35	52.07
V-649	1,632.00	Zone - 2	Demand	0.00	Fixed	0.00	1,752.32	52.06
V-650	1,632.70	Zone - 2	Demand	0.00	Fixed	0.00	1,752.35	51.77
V-652	1,632.70	Zone - 2	Demand	0.00	Fixed	0.00	1,752.35	51.77
V-653	1,634.20	Zone - 2	Demand	0.00	Fixed	0.00	1,752.35	51.12
V-654	1,634.20	Zone - 2	Demand	0.00	Fixed	0.00	1,752.35	51.12
V-656	1,634.20	Zone - 2	Demand	0.00	Fixed	0.00	1,752.35	51.12
V-660	1,635.60	Zone - 2	Demand	0.00	Fixed	0.00	1,752.36	50.52
V-661	1,635.60	Zone - 2	Demand	0.00	Fixed	0.00	1,752.36	50.51
V-662	1,637.00	Zone - 2	Demand	0.00	Fixed	0.00	1,752.36	49.91
V-663	1,638.20	Zone - 2	Demand	0.00	Fixed	0.00	1,752.37	49.40
V-666	1,638.90	Zone - 2	Demand	0.00	Fixed	0.00	1,752.40	49.10

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Label	Elevation (ft)	Zone	Type	Base Flow (gpm)	Pattern	Demand (Calculated) (gpm)	Calculated Hydraulic Grade (ft)	Pressure (psi)
V-668	1,637.90	Zone - 2	Demand	0.00	Fixed	0.00	1,752.41	49.54
V-671	1,641.40	Zone - 2	Demand	0.00	Fixed	0.00	1,752.43	48.04
V-672	1,636.40	Zone - 2	Demand	0.00	Fixed	0.00	1,752.46	50.21
V-676	1,631.60	Zone - 2	Demand	0.00	Fixed	0.00	1,752.47	52.30
V-678	1,631.60	Zone - 2	Demand	0.00	Fixed	0.00	1,752.48	52.30
V-679	1,632.30	Zone - 2	Demand	0.00	Fixed	0.00	1,752.50	52.00
V-682	1,637.60	Zone - 2	Demand	0.00	Fixed	0.00	1,753.23	50.03
V-684	1,637.60	Zone - 2	Demand	0.00	Fixed	0.00	1,753.61	50.19
V-686	1,637.60	Zone - 2	Demand	0.00	Fixed	0.00	1,753.77	50.26
V-687	1,637.60	Zone - 2	Demand	0.00	Fixed	0.00	1,754.77	50.70
V-688	1,637.60	Zone - 2	Demand	0.00	Fixed	0.00	1,754.18	50.44
V-689	1,637.60	Zone - 2	Demand	0.00	Fixed	0.00	1,753.46	50.13
V-693	1,646.80	Zone - 2	Demand	0.00	Fixed	0.00	1,755.73	47.13
V-694	1,656.80	Zone - 2	Demand	0.00	Fixed	0.00	1,754.83	42.41
V-695	1,655.20	Zone - 2	Demand	0.00	Fixed	0.00	1,754.92	43.14
V-698	1,656.80	Zone - 2	Demand	0.00	Fixed	0.00	1,755.64	42.77
V-699	1,657.20	Zone - 2	Demand	0.00	Fixed	0.00	1,755.36	42.47
V-702	1,663.60	Zone - 2	Demand	0.00	Fixed	0.00	1,755.68	39.84
V-704	1,669.30	Zone - 2	Demand	0.00	Fixed	0.00	1,755.79	37.42
V-707	1,750.00	Zone - 1	Demand	0.00	Fixed	0.00	1,766.09	6.96
V-710	1,738.20	Zone - 1	Demand	0.00	Fixed	0.00	1,763.33	10.87
V-712	1,720.50	Zone - 1	Demand	0.00	Fixed	0.00	1,756.92	15.76
V-713	1,720.50	Zone - 1	Demand	0.00	Fixed	0.00	1,757.11	15.84
V-714	1,740.00	Zone - 1	Demand	0.00	Fixed	0.00	1,763.92	10.35
V-716	1,721.00	Zone - 1	Demand	0.00	Fixed	0.00	1,760.66	17.16
V-717	1,712.70	Zone - 1	Demand	0.00	Fixed	0.00	1,760.76	20.79
V-721	1,712.70	Zone - 1	Demand	0.00	Fixed	0.00	1,760.07	20.50
V-722	1,694.70	Zone - 2	Demand	0.00	Fixed	0.00	1,757.29	27.08
V-724	1,694.70	Zone - 2	Demand	0.00	Fixed	0.00	1,756.87	26.90
V-725	1,694.70	Zone - 2	Demand	0.00	Fixed	0.00	1,757.04	26.97
V-726	1,694.70	Zone - 2	Demand	0.00	Fixed	0.00	1,756.97	26.94
V-728	1,685.90	Zone - 1	Demand	0.00	Fixed	0.00	1,756.42	30.51
V-730	1,685.90	Zone - 1	Demand	0.00	Fixed	0.00	1,755.65	30.18
V-731	1,685.90	Zone - 1	Demand	0.00	Fixed	0.00	1,755.46	30.10
V-732	1,685.40	Zone - 1	Demand	0.00	Fixed	0.00	1,755.83	30.47
V-734	1,683.50	Zone - 1	Demand	0.00	Fixed	0.00	1,756.92	31.76
V-736	1,683.50	Zone - 1	Demand	0.00	Fixed	0.00	1,758.14	32.29
V-738	1,666.10	Zone - 2	Demand	0.00	Fixed	0.00	1,756.24	39.00
V-740	1,666.10	Zone - 2	Demand	0.00	Fixed	0.00	1,755.98	38.88
V-741	1,666.10	Zone - 2	Demand	0.00	Fixed	0.00	1,756.19	38.98
V-742	1,666.10	Zone - 2	Demand	0.00	Fixed	0.00	1,756.05	38.92
V-744	1,655.50	Zone - 2	Demand	0.00	Fixed	0.00	1,755.51	43.27
V-746	1,655.50	Zone - 2	Demand	0.00	Fixed	0.00	1,755.63	43.32
V-747	1,655.50	Zone - 2	Demand	0.00	Fixed	0.00	1,755.57	43.29
V-751	1,626.50	Zone - 2	Demand	0.00	Fixed	0.00	1,752.31	54.43
V-752	1,624.10	Zone - 2	Demand	0.00	Fixed	0.00	1,751.20	54.99
V-755	1,684.90	Zone - 1	Demand	0.00	Fixed	0.00	1,754.27	30.01
V-756	1,684.90	Zone - 1	Demand	0.00	Fixed	0.00	1,754.12	29.95
V-758	1,684.90	Zone - 1	Demand	0.00	Fixed	0.00	1,753.95	29.88
V-759	1,673.20	Zone - 2	Demand	0.00	Fixed	0.00	1,752.27	34.21
V-761	1,673.20	Zone - 2	Demand	0.00	Fixed	0.00	1,751.80	34.01

Scenario: 2. Maximum Day Demand with 3000 gpm at High School
Steady State Analysis
Junction Report

Label	Elevation (ft)	Zone	Type	Base Flow (gpm)	Pattern	Demand (Calculated) (gpm)	Calculated Hydraulic Grade (ft)	Pressure (psi)
V-762	1,673.20	Zone - 2	Demand	0.00	Fixed	0.00	1,751.94	34.07
V-765	1,651.80	Zone - 2	Demand	0.00	Fixed	0.00	1,750.02	42.49
V-767	1,651.80	Zone - 2	Demand	0.00	Fixed	0.00	1,749.77	42.39
V-770	1,637.33	Zone - 2	Demand	0.00	Fixed	0.00	1,748.18	47.96
V-772	1,637.33	Zone - 2	Demand	0.00	Fixed	0.00	1,748.11	47.93
V-773	1,637.33	Zone - 2	Demand	0.00	Fixed	0.00	1,747.99	47.88
V-775	1,634.40	Zone - 2	Demand	0.00	Fixed	0.00	1,748.22	49.24
V-777	1,634.40	Zone - 2	Demand	0.00	Fixed	0.00	1,748.37	49.31
V-778	1,634.40	Zone - 2	Demand	0.00	Fixed	0.00	1,748.33	49.29
V-779	1,634.40	Zone - 2	Demand	0.00	Fixed	0.00	1,748.32	49.29
V-783	1,637.33	Zone - 2	Demand	0.00	Fixed	0.00	1,747.89	47.83
V-787	1,638.40	Zone - 2	Demand	0.00	Fixed	0.00	1,747.51	47.21
V-789	1,638.80	Zone - 2	Demand	0.00	Fixed	0.00	1,747.48	47.02
V-790	1,646.80	Zone - 2	Demand	0.00	Fixed	0.00	1,747.03	43.36
V-792	1,646.80	Zone - 2	Demand	0.00	Fixed	0.00	1,746.99	43.35
V-794	1,646.80	Zone - 2	Demand	0.00	Fixed	0.00	1,746.98	43.34
V-795	1,646.80	Zone - 2	Demand	0.00	Fixed	0.00	1,746.98	43.34
V-797	1,656.60	Zone - 2	Demand	0.00	Fixed	0.00	1,746.96	39.10
V-798	1,656.60	Zone - 2	Demand	0.00	Fixed	0.00	1,746.95	39.09
V-801	1,650.70	Zone - 2	Demand	0.00	Fixed	0.00	1,746.77	41.56
V-803	1,650.70	Zone - 2	Demand	0.00	Fixed	0.00	1,746.75	41.56
V-804	1,646.20	Zone - 2	Demand	0.00	Fixed	0.00	1,746.75	43.50
V-806	1,646.20	Zone - 2	Demand	0.00	Fixed	0.00	1,746.73	43.50
V-807	1,646.20	Zone - 2	Demand	0.00	Fixed	0.00	1,746.76	43.51
V-809	1,646.20	Zone - 2	Demand	0.00	Fixed	0.00	1,746.80	43.52
V-810	1,646.90	Zone - 2	Demand	0.00	Fixed	0.00	1,746.61	43.14
V-812	1,646.90	Zone - 2	Demand	0.00	Fixed	0.00	1,746.60	43.13
V-814	1,645.00	Zone - 2	Demand	0.00	Fixed	0.00	1,746.61	43.96
V-815	1,645.00	Zone - 2	Demand	0.00	Fixed	0.00	1,746.59	43.95
V-816	1,645.00	Zone - 2	Demand	0.00	Fixed	0.00	1,746.60	43.96
V-818	1,646.00	Zone - 2	Demand	0.00	Fixed	0.00	1,746.54	43.50
V-819	1,648.60	Zone - 2	Demand	0.00	Fixed	0.00	1,746.49	42.35
V-821	1,671.20	Zone - 3	Demand	0.00	Fixed	0.00	1,743.78	31.40
V-826	1,653.70	Zone - 2	Demand	0.00	Fixed	0.00	1,746.45	40.13
V-828	1,653.70	Zone - 2	Demand	0.00	Fixed	0.00	1,746.45	40.13
V-830	1,659.70	Zone - 2	Demand	0.00	Fixed	0.00	1,746.44	37.53
V-832	1,659.70	Zone - 2	Demand	0.00	Fixed	0.00	1,746.44	37.53
V-836	1,661.10	Zone - 2	Demand	0.00	Fixed	0.00	1,746.44	36.92
V-839	1,603.70	Zone - 2	Demand	0.00	Fixed	0.00	1,753.86	64.97
V-840	1,603.70	Zone - 2	Demand	0.00	Fixed	0.00	1,753.77	64.93
V-842	1,603.70	Zone - 2	Demand	0.00	Fixed	0.00	1,753.72	64.91
V-844	1,599.40	Zone - 2	Demand	0.00	Fixed	0.00	1,753.20	66.54
V-846	1,605.40	Zone - 2	Demand	0.00	Fixed	0.00	1,752.31	63.56
V834	1,661.10	Zone - 2	Demand	0.00	Fixed	0.00	1,746.44	36.92

Pipe

Scenario: 2. Maximum Day Demand with 3000 gpm at High School
Steady State Analysis
Pipe Report

Label	Length (ft)	Diameter (in)	Material	Hazen-Williams C	Minor Loss Coefficient	Control Status	Discharge (gpm)	Pressure Pipe Headloss (ft)
P-1	490.00	6.0	PVC	150.0	0.00	Open	-6.36	0.00
P-2	30.00	6.0	PVC	150.0	0.00	Open	36.76	0.00
P-3	341.00	6.0	PVC	150.0	0.00	Open	36.76	0.04
P-4	64.00	6.0	PVC	150.0	0.00	Open	6.36	0.00
P-5	29.00	6.0	Asbestos Cement	140.0	0.00	Open	-22.49	0.00
P-7	519.00	6.0	Asbestos Cement	140.0	0.00	Open	-30.26	0.05
P-8	45.00	6.0	Asbestos Cement	140.0	0.00	Open	-30.26	0.00
P-9	20.00	6.0	PVC	150.0	0.00	Open	-36.62	0.00
P-10	149.00	6.0	PVC	150.0	0.00	Open	-36.62	0.02
P-11	104.00	6.0	PVC	150.0	0.00	Open	-36.62	0.01
P-12	33.00	6.0	Asbestos Cement	140.0	0.00	Open	20.14	0.00
P-13	295.00	6.0	Asbestos Cement	140.0	0.00	Open	20.14	0.01
P-14	296.00	6.0	Asbestos Cement	140.0	0.00	Open	52.91	0.08
P-15	37.00	6.0	Asbestos Cement	140.0	0.00	Open	52.91	0.01
P-16	43.00	6.0	Asbestos Cement	140.0	0.00	Open	79.48	0.03
P-17	856.00	6.0	PVC	150.0	0.00	Open	79.48	0.45
P-18	40.00	6.0	Asbestos Cement	140.0	0.00	Open	-92.56	0.03
P-19	295.00	6.0	Asbestos Cement	140.0	0.00	Open	-92.56	0.23
P-20	27.00	6.0	Asbestos Cement	140.0	0.00	Open	-92.56	0.02
P-21	75.00	6.0	Asbestos Cement	140.0	0.00	Open	-11.98	0.00
P-22	325.00	6.0	Asbestos Cement	140.0	0.00	Open	-86.94	0.23
P-23	252.00	6.0	Asbestos Cement	140.0	0.00	Open	-64.16	0.10
P-24	48.00	6.0	Asbestos Cement	140.0	0.00	Open	-64.16	0.02
P-25	40.00	6.0	Asbestos Cement	140.0	0.00	Open	-64.16	0.02
P-26	91.00	6.0	Asbestos Cement	140.0	0.00	Open	165.68	0.21
P-27	395.00	6.0	Asbestos Cement	140.0	0.00	Open	165.68	0.91
P-28	117.00	6.0	Asbestos Cement	140.0	0.00	Open	165.68	0.27
P-29	66.00	6.0	Asbestos Cement	140.0	0.00	Open	165.68	0.15
P-30	1,573.00	6.0	Asbestos Cement	140.0	0.00	Open	-6.36	0.01
P-31	34.00	6.0	Asbestos Cement	140.0	0.00	Open	-6.36	0.00
P-32	29.00	6.0	Asbestos Cement	140.0	0.00	Open	-314.84	0.22
P-33	234.00	6.0	Asbestos Cement	140.0	0.00	Open	-314.84	1.78
P-34	20.00	6.0	Asbestos Cement	140.0	0.00	Open	9.81	0.00
P-35	123.00	6.0	Asbestos Cement	140.0	0.00	Open	9.81	0.00
P-36	164.00	6.0	Asbestos Cement	140.0	0.00	Open	-331.01	1.37
P-37	63.00	6.0	Asbestos Cement	140.0	0.00	Open	-171.68	0.16
P-38	563.00	6.0	Asbestos Cement	140.0	0.00	Open	-171.68	1.39
P-39	126.00	6.0	Asbestos Cement	140.0	0.00	Open	-184.40	0.36
P-40	45.00	6.0	Asbestos Cement	140.0	0.00	Open	6.36	0.00
P-41	140.00	6.0	Asbestos Cement	140.0	0.00	Open	6.36	0.00
P-42	55.00	6.0	Asbestos Cement	140.0	0.00	Open	0.00	0.00
P-43	474.00	6.0	PVC	150.0	0.00	Open	133.43	0.65
P-44	62.00	6.0	PVC	150.0	0.00	Open	133.43	0.08
P-45	216.00	6.0	PVC	150.0	0.00	Open	133.43	0.29
P-46	442.00	6.0	PVC	150.0	0.00	Open	133.43	0.60
P-47	473.00	6.0	PVC	150.0	0.00	Open	139.79	0.70
P-48	433.00	6.0	PVC	150.0	0.00	Open	139.79	0.64
P-49	62.00	6.0	PVC	150.0	0.00	Open	139.79	0.09
P-50	68.00	6.0	PVC	150.0	0.00	Open	139.79	0.10
P-51	47.00	6.0	PVC	150.0	0.00	Open	-5.52	0.00
P-52	36.00	6.0	PVC	150.0	0.00	Open	275.54	0.19

Scenario: 2. Maximum Day Demand with 3000 gpm at High School
Steady State Analysis
Pipe Report

Label	Length (ft)	Diameter (in)	Material	Hazen-Williams C	Minor Loss Coefficient	Control Status	Discharge (gpm)	Pressure Pipe Headloss (ft)
P-53	420.00	6.0	PVC	150.0	0.00	Open	275.54	2.20
P-54	53.00	6.0	PVC	150.0	0.00	Open	275.54	0.28
P-55	282.00	6.0	PVC	150.0	0.00	Open	269.18	1.41
P-56	40.00	6.0	PVC	150.0	0.00	Open	269.18	0.20
P-57	23.00	6.0	Asbestos Cement	140.0	0.00	Open	-64.11	0.01
P-58	26.00	6.0	Asbestos Cement	140.0	0.00	Open	-64.11	0.01
P-59	429.00	6.0	Asbestos Cement	140.0	0.00	Open	-64.11	0.17
P-60	34.00	6.0	Asbestos Cement	140.0	0.00	Open	-64.11	0.01
P-61	404.00	6.0	Asbestos Cement	140.0	0.00	Open	239.06	1.85
P-62	45.00	6.0	Asbestos Cement	140.0	0.00	Open	239.06	0.21
P-63	22.00	6.0	Asbestos Cement	140.0	0.00	Open	239.06	0.10
P-64	64.00	6.0	Asbestos Cement	140.0	0.00	Open	125.92	0.09
P-65	328.00	6.0	Asbestos Cement	140.0	0.00	Open	125.92	0.46
P-66	232.00	6.0	Asbestos Cement	140.0	0.00	Open	-21.17	0.01
P-67	432.00	6.0	Asbestos Cement	140.0	0.00	Open	-21.17	0.02
P-68	20.00	6.0	Asbestos Cement	140.0	0.00	Open	-21.17	0.00
P-69	16.00	6.0	Asbestos Cement	140.0	0.00	Open	-252.20	0.08
P-70	40.00	6.0	Asbestos Cement	140.0	0.00	Open	-131.96	0.06
P-71	408.00	6.0	Asbestos Cement	140.0	0.00	Open	-131.96	0.62
P-72	23.00	6.0	Asbestos Cement	140.0	0.00	Open	-131.96	0.03
P-73	36.00	6.0	Asbestos Cement	140.0	0.00	Open	-87.19	0.03
P-74	514.00	6.0	Asbestos Cement	140.0	0.00	Open	-87.19	0.36
P-75	39.00	6.0	Asbestos Cement	140.0	0.00	Open	-16.37	0.00
P-76	388.00	6.0	Asbestos Cement	140.0	0.00	Open	-16.37	0.01
P-77	36.00	6.0	Asbestos Cement	140.0	0.00	Open	-16.37	0.00
P-78	289.00	6.0	Asbestos Cement	140.0	0.00	Open	-101.53	0.27
P-79	26.00	6.0	Asbestos Cement	140.0	0.00	Open	-101.53	0.02
P-80	47.00	6.0	Asbestos Cement	140.0	0.00	Open	-126.97	0.07
P-81	374.00	6.0	Asbestos Cement	140.0	0.00	Open	-126.97	0.53
P-82	44.00	6.0	Asbestos Cement	140.0	0.00	Open	-126.97	0.06
P-83	39.00	6.0	Asbestos Cement	140.0	0.00	Open	-326.93	0.32
P-84	39.00	6.0	Asbestos Cement	140.0	0.00	Open	193.59	0.12
P-85	244.00	6.0	Asbestos Cement	140.0	0.00	Open	193.59	0.75
P-86	30.00	6.0	Asbestos Cement	140.0	0.00	Open	193.59	0.09
P-87	36.00	6.0	Asbestos Cement	140.0	0.00	Open	116.41	0.04
P-88	26.00	6.0	Asbestos Cement	140.0	0.00	Open	116.41	0.03
P-89	288.00	6.0	Asbestos Cement	140.0	0.00	Open	116.41	0.35
P-90	421.00	6.0	Asbestos Cement	140.0	0.00	Open	-72.45	0.21
P-91	42.00	6.0	Asbestos Cement	140.0	0.00	Open	-72.45	0.02
P-92	289.00	6.0	Asbestos Cement	140.0	0.00	Open	-78.81	0.17
P-93	29.00	6.0	Asbestos Cement	140.0	0.00	Open	-78.81	0.02
P-94	32.00	6.0	Asbestos Cement	140.0	0.00	Open	78.81	0.02
P-95	46.00	6.0	Asbestos Cement	140.0	0.00	Open	-12.72	0.00
P-96	42.00	6.0	Asbestos Cement	140.0	0.00	Open	6.36	0.00
P-97	54.00	6.0	Asbestos Cement	140.0	0.00	Open	19.83	0.00
P-98	46.00	6.0	Asbestos Cement	140.0	0.00	Open	126.61	0.06
P-99	268.00	6.0	Asbestos Cement	140.0	0.00	Open	126.61	0.38
P-100	26.00	6.0	Asbestos Cement	140.0	0.00	Open	182.50	0.07
P-101	15.00	6.0	Asbestos Cement	140.0	0.00	Open	176.14	0.04
P-102	25.00	6.0	Asbestos Cement	140.0	0.00	Open	69.96	0.01
P-103	46.00	6.0	Asbestos Cement	140.0	0.00	Open	69.96	0.02

Scenario: 2. Maximum Day Demand with 3000 gpm at High School
Steady State Analysis
Pipe Report

Label	Length (ft)	Diameter (in)	Material	Hazen-Williams C	Minor Loss Coefficient	Control Status	Discharge (gpm)	Pressure Pipe Headloss (ft)
P-104	398.00	6.0	Asbestos Cement	140.0	0.00	Open	69.96	0.19
P-105	20.00	6.0	Asbestos Cement	140.0	0.00	Open	0.00	0.00
P-106	44.00	6.0	PVC	150.0	0.00	Open	99.82	0.04
P-107	696.00	6.0	PVC	150.0	0.00	Open	99.82	0.55
P-108	28.00	6.0	PVC	150.0	0.00	Open	0.00	0.00
P-109	30.00	6.0	PVC	150.0	0.00	Open	89.21	0.02
P-110	305.00	6.0	PVC	150.0	0.00	Open	89.21	0.20
P-111	30.00	6.0	PVC	150.0	0.00	Open	89.21	0.02
P-112	44.00	6.0	PVC	150.0	0.00	Open	89.21	0.03
P-113	40.00	6.0	Asbestos Cement	140.0	0.00	Open	-2.88	0.00
P-114	31.00	6.0	Steel	100.0	0.00	Open	111.64	0.06
P-115	28.00	6.0	Steel	100.0	0.00	Open	58.24	0.02
P-116	266.00	6.0	Steel	100.0	0.00	Open	58.24	0.17
P-117	30.00	6.0	Steel	100.0	0.00	Open	58.24	0.02
P-118	46.00	6.0	Steel	100.0	0.00	Open	70.83	0.04
P-119	32.00	6.0	Steel	100.0	0.00	Open	70.83	0.03
P-120	222.00	6.0	Steel	100.0	0.00	Open	70.83	0.20
P-121	37.00	6.0	Steel	100.0	0.00	Open	70.83	0.03
P-122	391.00	6.0	Asbestos Cement	140.0	0.00	Open	60.54	0.14
P-123	59.00	6.0	Asbestos Cement	140.0	0.00	Open	60.54	0.02
P-124	27.00	6.0	Asbestos Cement	140.0	0.00	Open	41.59	0.00
P-125	326.00	6.0	Asbestos Cement	140.0	0.00	Open	41.59	0.06
P-126	63.00	6.0	Asbestos Cement	140.0	0.00	Open	41.59	0.01
P-127	23.00	6.0	Steel	100.0	0.00	Open	47.04	0.01
P-128	38.00	6.0	Steel	100.0	0.00	Open	47.04	0.02
P-129	307.00	6.0	Steel	100.0	0.00	Open	47.04	0.13
P-130	41.00	6.0	Steel	100.0	0.00	Open	47.04	0.02
P-131	35.00	6.0	Steel	100.0	0.00	Open	-12.87	0.00
P-132	413.00	6.0	Steel	100.0	0.00	Open	-12.87	0.02
P-133	362.00	6.0	Steel	100.0	0.00	Open	-39.22	0.11
P-134	20.00	6.0	Steel	100.0	0.00	Open	-97.45	0.03
P-135	19.00	6.0	Steel	100.0	0.00	Open	-97.45	0.03
P-136	22.00	6.0	Asbestos Cement	140.0	0.00	Open	-95.33	0.02
P-137	31.00	6.0	PVC	150.0	0.00	Open	-8.48	0.00
P-138	208.00	6.0	PVC	150.0	0.00	Open	-8.48	0.00
P-139	395.00	6.0	PVC	150.0	0.00	Open	-14.84	0.01
P-140	60.00	6.0	PVC	150.0	0.00	Open	-14.84	0.00
P-141	131.00	6.0	Steel	100.0	0.00	Open	-30.78	0.03
P-142	45.00	6.0	Asbestos Cement	140.0	0.00	Open	51.87	0.01
P-143	271.00	6.0	Asbestos Cement	140.0	0.00	Open	51.87	0.07
P-144	51.00	6.0	Asbestos Cement	140.0	0.00	Open	51.87	0.01
P-145	69.00	6.0	Asbestos Cement	140.0	0.00	Open	51.87	0.02
P-146	41.00	6.0	Asbestos Cement	140.0	0.00	Open	0.00	0.00
P-147	159.00	6.0	Asbestos Cement	140.0	0.00	Open	45.51	0.03
P-148	29.00	6.0	PVC	150.0	0.00	Open	0.00	0.00
P-149	106.00	6.0	PVC	150.0	0.00	Open	0.00	0.00
P-150	28.00	6.0	Asbestos Cement	140.0	0.00	Open	-1.84	0.00
P-151	320.00	6.0	Asbestos Cement	140.0	0.00	Open	-1.84	0.00
P-152	449.00	6.0	Asbestos Cement	140.0	0.00	Open	-1.84	0.00
P-153	42.00	6.0	Asbestos Cement	140.0	0.00	Open	-1.84	0.00
P-154	382.00	6.0	PVC	150.0	0.00	Open	-10.73	0.00

Scenario: 2. Maximum Day Demand with 3000 gpm at High School
Steady State Analysis
Pipe Report

Label	Length (ft)	Diameter (in)	Material	Hazen-Williams C	Minor Loss Coefficient	Control Status	Discharge (gpm)	Pressure Pipe Headloss (ft)
P-155	42.00	6.0	PVC	150.0	0.00	Open	-2.27	0.00
P-156	33.00	6.0	PVC	150.0	0.00	Open	-2.27	0.00
P-157	30.00	6.0	PVC	150.0	0.00	Open	-10.10	0.00
P-158	27.00	6.0	PVC	150.0	0.00	Open	-10.10	0.00
P-159	151.00	6.0	PVC	150.0	0.00	Open	-10.10	0.00
P-160	32.00	6.0	PVC	150.0	0.00	Open	0.00	0.00
P-161	19.00	6.0	PVC	150.0	0.00	Open	-16.46	0.00
P-162	30.00	6.0	PVC	150.0	0.00	Open	-22.82	0.00
P-163	116.00	6.0	PVC	150.0	0.00	Open	-22.82	0.01
P-164	147.00	6.0	PVC	150.0	0.00	Open	-22.82	0.01
P-165	33.00	6.0	PVC	150.0	0.00	Open	-22.82	0.00
P-166	38.00	6.0	PVC	150.0	0.00	Open	-22.82	0.00
P-167	273.00	6.0	PVC	150.0	0.00	Open	-29.18	0.02
P-168	103.00	6.0	PVC	150.0	0.00	Open	-29.18	0.01
P-169	23.00	6.0	PVC	150.0	0.00	Open	-29.18	0.00
P-170	248.00	6.0	PVC	150.0	0.00	Open	-29.18	0.02
P-171	27.00	6.0	Steel	100.0	0.00	Open	1.05	0.00
P-172	74.00	6.0	PVC	150.0	0.00	Open	-36.59	0.01
P-173	195.00	6.0	PVC	150.0	0.00	Open	-36.59	0.02
P-174	34.00	6.0	PVC	150.0	0.00	Open	-1.47	0.00
P-175	41.00	6.0	PVC	150.0	0.00	Open	0.00	0.00
P-176	39.00	6.0	PVC	150.0	0.00	Open	-14.82	0.00
P-177	278.00	6.0	PVC	150.0	0.00	Open	-14.82	0.01
P-178	46.00	6.0	PVC	150.0	0.00	Open	-29.91	0.00
P-179	40.00	6.0	PVC	150.0	0.00	Open	-29.91	0.00
P-180	178.00	6.0	PVC	150.0	0.00	Open	-29.91	0.02
P-181	28.00	6.0	PVC	150.0	0.00	Open	-29.91	0.00
P-182	31.00	6.0	PVC	150.0	0.00	Open	-29.91	0.00
P-183	278.00	6.0	PVC	150.0	0.00	Open	-38.36	0.04
P-184	40.00	6.0	PVC	150.0	0.00	Open	8.89	0.00
P-185	231.00	6.0	PVC	150.0	0.00	Open	8.89	0.00
P-186	34.00	6.0	PVC	150.0	0.00	Open	3.55	0.00
P-187	20.00	6.0	PVC	150.0	0.00	Open	-2.81	0.00
P-188	34.00	6.0	PVC	150.0	0.00	Open	1.02	0.00
P-189	20.00	6.0	PVC	150.0	0.00	Open	1.02	0.00
P-190	18.00	6.0	PVC	150.0	0.00	Open	0.00	0.00
P-191	31.00	6.0	PVC	150.0	0.00	Open	0.00	0.00
P-192	37.00	6.0	PVC	150.0	0.00	Open	-3.83	0.00
P-193	331.00	6.0	PVC	150.0	0.00	Open	-3.83	0.00
P-194	265.00	6.0	Steel	100.0	0.00	Open	-108.88	0.53
P-195	200.00	6.0	Steel	100.0	0.00	Open	123.97	0.50
P-196	208.00	6.0	Steel	100.0	0.00	Open	-239.21	1.77
P-197	1,020.00	6.0	Steel	100.0	0.00	Open	-6.36	0.01
P-198	48.00	6.0	Steel	100.0	0.00	Open	-52.40	0.02
P-199	272.00	6.0	Steel	100.0	0.00	Open	39.68	0.08
P-200	36.00	6.0	Steel	100.0	0.00	Open	39.68	0.01
P-201	92.00	6.0	Steel	100.0	0.00	Open	39.68	0.03
P-202	35.00	6.0	Steel	100.0	0.00	Open	0.00	0.00
P-203	297.00	6.0	Steel	100.0	0.00	Open	33.32	0.07
P-204	218.00	6.0	Steel	100.0	0.00	Open	205.36	1.40
P-205	29.00	6.0	Steel	100.0	0.00	Open	205.36	0.19

Scenario: 2. Maximum Day Demand with 3000 gpm at High School
Steady State Analysis
Pipe Report

Label	Length (ft)	Diameter (in)	Material	Hazen-Williams C	Minor Loss Coefficient	Control Status	Discharge (gpm)	Pressure Pipe Headloss (ft)
P-206	27.00	6.0	Steel	100.0	0.00	Open	235.72	0.22
P-207	224.00	6.0	Steel	100.0	0.00	Open	235.72	1.86
P-208	24.00	6.0	D. I.	130.0	0.00	Open	-328.45	0.23
P-209	25.00	6.0	Steel	100.0	0.00	Open	-328.45	0.38
P-210	42.00	6.0	Steel	100.0	0.00	Open	-365.17	0.78
P-211	30.00	6.0	PVC	150.0	0.00	Open	-365.17	0.26
P-212	31.00	6.0	Steel	100.0	0.00	Open	-178.40	0.15
P-213	249.00	6.0	Asbestos Cement	140.0	0.00	Open	-104.07	0.24
P-214	29.00	6.0	Steel	100.0	0.00	Open	-178.40	0.14
P-215	35.00	6.0	Steel	100.0	0.00	Open	-146.80	0.12
P-216	303.00	6.0	Steel	100.0	0.00	Open	-146.80	1.05
P-217	68.00	6.0	Steel	100.0	0.00	Open	187.86	0.37
P-218	167.00	6.0	Steel	100.0	0.00	Open	187.86	0.91
P-219	32.00	6.0	Steel	100.0	0.00	Open	187.86	0.17
P-220	249.00	6.0	Steel	100.0	0.00	Open	-74.33	0.24
P-221	52.00	6.0	Steel	100.0	0.00	Open	-341.01	0.85
P-222	22.00	6.0	PVC	150.0	0.00	Open	-341.01	0.17
P-223	227.00	6.0	PVC	150.0	0.00	Open	-341.01	1.76
P-224	117.00	6.0	Asbestos Cement	140.0	0.00	Open	174.60	0.30
P-225	95.00	6.0	Asbestos Cement	140.0	0.00	Open	178.22	0.25
P-226	222.00	6.0	Asbestos Cement	140.0	0.00	Open	178.22	0.59
P-227	62.00	6.0	Asbestos Cement	140.0	0.00	Open	178.22	0.16
P-228	38.00	6.0	Asbestos Cement	140.0	0.00	Open	192.49	0.12
P-229	225.00	6.0	Asbestos Cement	140.0	0.00	Open	192.49	0.69
P-230	57.00	6.0	Asbestos Cement	140.0	0.00	Open	192.49	0.17
P-231	43.00	6.0	Asbestos Cement	140.0	0.00	Open	225.09	0.18
P-232	230.00	6.0	Asbestos Cement	140.0	0.00	Open	225.09	0.94
P-233	40.00	6.0	Asbestos Cement	140.0	0.00	Open	225.09	0.16
P-234	325.00	6.0	Asbestos Cement	140.0	0.00	Open	302.30	2.29
P-235	30.00	6.0	Asbestos Cement	140.0	0.00	Open	883.85	1.54
P-236	315.00	6.0	Asbestos Cement	140.0	0.00	Open	883.85	16.20
P-237	40.00	6.0	Asbestos Cement	140.0	0.00	Open	1,551.07	5.83
P-238	127.00	6.0	Asbestos Cement	140.0	0.00	Open	1,551.07	18.51
P-239	252.00	6.0	Asbestos Cement	140.0	0.00	Open	1,551.07	36.73
P-240	139.00	6.0	Asbestos Cement	140.0	0.00	Open	1,535.11	19.88
P-241	358.00	6.0	Asbestos Cement	140.0	0.00	Open	-44.18	0.07
P-242	36.00	6.0	Asbestos Cement	140.0	0.00	Open	-44.18	0.01
P-243	44.00	6.0	Asbestos Cement	140.0	0.00	Open	-64.82	0.02
P-244	387.00	6.0	Asbestos Cement	140.0	0.00	Open	-64.82	0.16
P-245	360.00	6.0	Asbestos Cement	140.0	0.00	Open	-61.34	0.13
P-246	42.00	6.0	Asbestos Cement	140.0	0.00	Open	-61.34	0.02
P-247	32.00	6.0	Asbestos Cement	140.0	0.00	Open	-100.30	0.03
P-248	398.00	6.0	Asbestos Cement	140.0	0.00	Open	-100.30	0.36
P-249	44.00	6.0	Asbestos Cement	140.0	0.00	Open	-100.30	0.04
P-250	366.00	6.0	Asbestos Cement	140.0	0.00	Open	-62.22	0.14
P-251	29.00	6.0	Asbestos Cement	140.0	0.00	Open	-62.22	0.01
P-252	36.00	6.0	Asbestos Cement	140.0	0.00	Open	-145.79	0.07
P-253	395.00	6.0	Asbestos Cement	140.0	0.00	Open	-145.79	0.72
P-254	32.00	6.0	Asbestos Cement	140.0	0.00	Open	120.47	0.04
P-255	300.00	6.0	Asbestos Cement	140.0	0.00	Open	120.47	0.39
P-256	22.00	6.0	Asbestos Cement	140.0	0.00	Open	120.47	0.03

Scenario: 2. Maximum Day Demand with 3000 gpm at High School
Steady State Analysis
Pipe Report

Label	Length (ft)	Diameter (in)	Material	Hazen-Williams C	Minor Loss Coefficient	Control Status	Discharge (gpm)	Pressure Pipe Headloss (ft)
P-257	42.00	6.0	Asbestos Cement	140.0	0.00	Open	120.47	0.05
P-258	24.00	6.0	Asbestos Cement	140.0	0.00	Open	-467.36	0.38
P-259	280.00	6.0	Asbestos Cement	140.0	0.00	Open	408.30	3.45
P-260	28.00	6.0	Asbestos Cement	140.0	0.00	Open	408.30	0.34
P-261	22.00	6.0	Asbestos Cement	140.0	0.00	Open	704.05	0.74
P-262	19.00	6.0	Asbestos Cement	140.0	0.00	Open	704.05	0.64
P-263	28.00	6.0	Asbestos Cement	140.0	0.00	Open	0.00	0.00
P-264	31.00	6.0	Asbestos Cement	140.0	0.00	Open	0.00	0.00
P-265	196.00	6.0	Asbestos Cement	140.0	0.00	Open	0.00	0.00
P-266	358.00	6.0	Asbestos Cement	140.0	0.00	Open	697.69	11.88
P-267	33.00	6.0	Asbestos Cement	140.0	0.00	Open	697.69	1.10
P-268	30.00	6.0	PVC	150.0	0.00	Open	-175.43	0.07
P-269	340.00	6.0	PVC	150.0	0.00	Open	-175.43	0.77
P-270	58.00	6.0	PVC	150.0	0.00	Open	-175.43	0.13
P-271	24.00	6.0	Steel	100.0	0.00	Open	-172.81	0.11
P-272	340.00	6.0	Steel	100.0	0.00	Open	-172.81	1.59
P-273	32.00	6.0	PVC	150.0	0.00	Open	-172.81	0.07
P-274	343.00	6.0	Asbestos Cement	140.0	0.00	Open	-215.53	1.29
P-275	240.00	6.0	Asbestos Cement	140.0	0.00	Open	59.25	0.08
P-276	35.00	6.0	Asbestos Cement	140.0	0.00	Open	59.25	0.01
P-277	41.00	6.0	Asbestos Cement	140.0	0.00	Open	-121.89	0.05
P-278	42.00	6.0	Asbestos Cement	140.0	0.00	Open	-168.42	0.10
P-279	36.00	6.0	Asbestos Cement	140.0	0.00	Open	6.36	0.00
P-280	30.00	6.0	Asbestos Cement	140.0	0.00	Open	6.36	0.00
P-281	332.00	6.0	Asbestos Cement	140.0	0.00	Open	6.36	0.00
P-282	279.00	6.0	Asbestos Cement	140.0	0.00	Open	82.50	0.18
P-283	49.00	6.0	Asbestos Cement	140.0	0.00	Open	82.50	0.03
P-284	17.00	6.0	Asbestos Cement	140.0	0.00	Open	65.08	0.01
P-285	18.00	6.0	Asbestos Cement	140.0	0.00	Open	65.08	0.01
P-286	38.00	6.0	Asbestos Cement	140.0	0.00	Open	-8.15	0.00
P-287	237.00	6.0	Asbestos Cement	140.0	0.00	Open	-8.15	0.00
P-288	28.00	6.0	Asbestos Cement	140.0	0.00	Open	-8.15	0.00
P-289	24.00	6.0	Asbestos Cement	140.0	0.00	Open	-81.86	0.02
P-290	22.00	6.0	Asbestos Cement	140.0	0.00	Open	-81.86	0.01
P-291	268.00	6.0	Asbestos Cement	140.0	0.00	Open	-81.86	0.17
P-292	246.00	6.0	Asbestos Cement	140.0	0.00	Open	11.06	0.00
P-293	45.00	6.0	Asbestos Cement	140.0	0.00	Open	66.87	0.02
P-294	283.00	6.0	Asbestos Cement	140.0	0.00	Open	66.87	0.12
P-295	32.00	6.0	Asbestos Cement	140.0	0.00	Open	66.87	0.01
P-296	271.00	6.0	Asbestos Cement	140.0	0.00	Open	-1.63	0.00
P-297	33.00	6.0	Asbestos Cement	140.0	0.00	Open	-1.63	0.00
P-298	35.00	6.0	Asbestos Cement	140.0	0.00	Open	-67.35	0.02
P-299	326.00	6.0	Asbestos Cement	140.0	0.00	Open	-67.35	0.14
P-300	33.00	6.0	Asbestos Cement	140.0	0.00	Open	43.03	0.01
P-301	26.00	6.0	Asbestos Cement	140.0	0.00	Open	43.03	0.01
P-302	228.00	6.0	Asbestos Cement	140.0	0.00	Open	43.03	0.04
P-303	42.00	6.0	Asbestos Cement	140.0	0.00	Open	43.03	0.01
P-304	304.00	6.0	Asbestos Cement	140.0	0.00	Open	41.02	0.05
P-305	37.00	6.0	Asbestos Cement	140.0	0.00	Open	-59.36	0.01
P-306	298.00	6.0	Asbestos Cement	140.0	0.00	Open	-59.36	0.10
P-307	247.00	6.0	Asbestos Cement	140.0	0.00	Open	19.11	0.01

Scenario: 2. Maximum Day Demand with 3000 gpm at High School

Steady State Analysis

Pipe Report

Label	Length (ft)	Diameter (in)	Material	Hazen-Williams C	Minor Loss Coefficient	Control Status	Discharge (gpm)	Pressure Pipe Headloss (ft)
P-308	295.00	6.0	Asbestos Cement	140.0	0.00	Open	-4.35	0.00
P-309	142.00	6.0	PVC	150.0	0.00	Open	-6.36	0.00
P-310	29.00	6.0	PVC	150.0	0.00	Open	-6.36	0.00
P-311	36.00	6.0	PVC	150.0	0.00	Open	47.55	0.01
P-312	313.00	6.0	PVC	150.0	0.00	Open	47.55	0.06
P-313	364.00	6.0	PVC	150.0	0.00	Open	19.71	0.01
P-314	37.00	6.0	PVC	150.0	0.00	Open	6.36	0.00
P-315	34.00	6.0	PVC	150.0	0.00	Open	6.99	0.00
P-316	34.00	6.0	PVC	150.0	0.00	Open	6.99	0.00
P-317	974.00	6.0	PVC	150.0	0.00	Open	6.99	0.01
P-318	42.00	6.0	PVC	150.0	0.00	Open	6.99	0.00
P-319	391.00	6.0	PVC	150.0	0.00	Open	5.97	0.00
P-320	43.00	6.0	PVC	150.0	0.00	Open	5.97	0.00
P-321	49.00	6.0	PVC	150.0	0.00	Open	0.00	0.00
P-322	613.00	6.0	PVC	150.0	0.00	Open	0.00	0.00
P-323	25.00	6.0	PVC	150.0	0.00	Open	-5.34	0.00
P-324	38.00	6.0	PVC	150.0	0.00	Open	-5.34	0.00
P-325	311.00	6.0	PVC	150.0	0.00	Open	-5.34	0.00
P-326	35.00	6.0	PVC	150.0	0.00	Open	-5.34	0.00
P-327	69.00	6.0	PVC	150.0	0.00	Open	-0.39	0.00
P-329	282.00	6.0	PVC	150.0	0.00	Open	-0.39	0.00
P-330	41.00	6.0	PVC	150.0	0.00	Open	11.99	0.00
P-331	370.00	6.0	PVC	150.0	0.00	Open	11.99	0.01
P-332	45.00	6.0	PVC	150.0	0.00	Open	5.63	0.00
P-333	390.00	6.0	PVC	150.0	0.00	Open	-0.73	0.00
P-334	347.00	6.0	PVC	150.0	0.00	Open	-15.88	0.01
P-335	37.00	6.0	PVC	150.0	0.00	Open	-15.88	0.00
P-336	40.00	6.0	PVC	150.0	0.00	Open	0.00	0.00
P-337	26.00	6.0	PVC	150.0	0.00	Open	-22.24	0.00
P-338	417.00	6.0	PVC	150.0	0.00	Open	9.71	0.00
P-339	39.00	6.0	PVC	150.0	0.00	Open	9.71	0.00
P-340	356.00	6.0	PVC	150.0	0.00	Open	-8.64	0.00
P-341	33.00	6.0	PVC	150.0	0.00	Open	-5.48	0.00
P-342	34.00	6.0	PVC	150.0	0.00	Open	-9.51	0.00
P-343	302.00	6.0	PVC	150.0	0.00	Open	-9.51	0.00
P-344	351.00	6.0	PVC	150.0	0.00	Open	-15.87	0.01
P-345	36.00	6.0	PVC	150.0	0.00	Open	-1.30	0.00
P-346	32.00	6.0	PVC	150.0	0.00	Open	-1.30	0.00
P-347	362.00	6.0	PVC	150.0	0.00	Open	-1.30	0.00
P-348	42.00	6.0	PVC	150.0	0.00	Open	-1.30	0.00
P-349	25.00	6.0	PVC	150.0	0.00	Open	12.17	0.00
P-350	52.00	6.0	PVC	150.0	0.00	Open	20.94	0.00
P-351	286.00	6.0	PVC	150.0	0.00	Open	20.94	0.01
P-352	348.00	4.0	Steel	100.0	0.00	Open	-6.36	0.03
P-353	205.00	4.0	Steel	100.0	0.00	Open	5.88	0.01
P-354	739.00	4.0	Steel	100.0	0.00	Open	5.88	0.05
P-355	365.00	4.0	Steel	100.0	0.00	Open	6.36	0.03
P-356	298.00	4.0	Steel	100.0	0.00	Open	-6.84	0.03
P-357	160.00	4.0	Steel	100.0	0.00	Open	-11.32	0.03
P-358	23.00	4.0	Asbestos Cement	140.0	0.00	Open	-11.32	0.00
P-359	14.00	4.0	Asbestos Cement	140.0	0.00	Open	-24.04	0.01

Scenario: 2. Maximum Day Demand with 3000 gpm at High School
Steady State Analysis
Pipe Report

Label	Length (ft)	Diameter (in)	Material	Hazen-Williams C	Minor Loss Coefficient	Control Status	Discharge (gpm)	Pressure Pipe Headloss (ft)
P-360	716.00	4.0	Steel	100.0	0.00	Open	-6.36	0.05
P-361	42.00	4.0	Asbestos Cement	140.0	0.00	Open	-6.64	0.00
P-362	2,041.00	4.0	Steel	100.0	0.00	Open	-6.64	0.16
P-363	305.00	4.0	Asbestos Cement	140.0	0.00	Open	-12.72	0.04
P-365	48.00	4.0	Steel	100.0	0.00	Open	27.02	0.05
P-366	390.00	4.0	Steel	100.0	0.00	Open	27.02	0.42
P-367	50.00	4.0	Steel	100.0	0.00	Open	20.66	0.03
P-368	376.00	4.0	Asbestos Cement	140.0	0.00	Open	-11.98	0.05
P-369	282.00	4.0	Steel	100.0	0.00	Open	-9.60	0.04
P-370	343.00	4.0	PVC	150.0	0.00	Open	35.11	0.28
P-371	107.00	4.0	PVC	150.0	0.00	Open	6.36	0.00
P-372	32.00	4.0	Asbestos Cement	140.0	0.00	Open	-37.95	0.03
P-373	316.00	4.0	Steel	100.0	0.00	Open	-37.95	0.64
P-374	76.00	4.0	Steel	100.0	0.00	Open	24.42	0.07
P-375	114.00	4.0	Steel	100.0	0.00	Open	3.22	0.00
P-376	306.00	4.0	Steel	100.0	0.00	Open	-52.40	1.13
P-377	56.00	4.0	Steel	100.0	0.00	Open	-52.40	0.21
P-378	181.00	4.0	Steel	100.0	0.00	Open	-174.60	6.21
P-379	176.00	4.0	Steel	100.0	0.00	Open	128.25	3.41
P-380	121.00	6.0	Asbestos Cement	140.0	0.00	Open	-121.89	0.16
P-381	172.00	4.0	Steel	100.0	0.00	Open	-94.02	1.87
P-382	248.00	4.0	Steel	100.0	0.00	Open	-94.02	2.70
P-383	24.00	4.0	PVC	150.0	0.00	Open	0.00	0.00
P-384	26.00	4.0	PVC	150.0	0.00	Open	0.00	0.00
P-385	24.00	6.0	PVC	150.0	0.00	Open	0.00	0.00
P-386	358.00	2.0	Steel	100.0	0.00	Open	1.88	0.08
P-387	672.00	2.0	Steel	100.0	0.00	Open	6.36	1.46
P-388	22.00	2.0	Cast iron	130.0	0.00	Open	12.72	0.11
P-389	85.00	2.0	Cast iron	130.0	0.00	Open	6.36	0.11
P-390	988.00	2.0	Steel	100.0	0.00	Open	6.36	2.15
P-391	183.00	2.0	Steel	100.0	0.00	Open	20.66	3.53
P-392	272.00	2.0	Steel	100.0	0.00	Open	19.83	4.86
P-393	26.00	2.0	PVC	150.0	0.00	Open	4.75	0.02
P-394	353.00	2.0	PVC	150.0	0.00	Open	4.75	0.21
P-395	29.00	2.0	PVC	150.0	0.00	Open	4.75	0.02
P-396	404.00	2.0	Steel	100.0	0.00	Open	-2.88	0.06
P-397	190.00	2.0	Steel	100.0	0.00	Open	6.36	0.41
P-398	363.00	2.0	Steel	100.0	0.00	Open	-3.14	0.21
P-399	35.00	2.0	PVC	150.0	0.00	Open	-3.83	0.01
P-400	34.00	2.0	Steel	100.0	0.00	Open	4.89	0.05
P-401	37.00	2.0	Steel	100.0	0.00	Open	-1.47	0.01
P-402	234.00	2.0	Steel	100.0	0.00	Open	-1.47	0.03
P-403	537.00	2.0	Steel	100.0	0.00	Open	-1.05	0.04
P-404	588.00	2.0	Steel	100.0	0.00	Open	22.39	13.15
P-405	168.00	2.0	Steel	100.0	0.00	Open	6.36	0.37
P-406	38.00	8.0	PVC	150.0	0.00	Open	-18.60	0.00
P-407	198.00	8.0	PVC	150.0	0.00	Open	-18.60	0.00
P-408	167.00	8.0	PVC	150.0	0.00	Open	-31.32	0.00
P-409	1,170.00	8.0	PVC	150.0	0.00	Open	-37.68	0.04
P-410	40.00	8.0	PVC	150.0	0.00	Open	-37.68	0.00
P-411	30.00	8.0	PVC	150.0	0.00	Open	-35.83	0.00

Scenario: 2. Maximum Day Demand with 3000 gpm at High School
Steady State Analysis
Pipe Report

Label	Length (ft)	Diameter (in)	Material	Hazen-Williams C	Minor Loss Coefficient	Control Status	Discharge (gpm)	Pressure Pipe Headloss (ft)
P-412	61.00	8.0	PVC	150.0	0.00	Open	-44.07	0.00
P-413	146.00	8.0	PVC	150.0	0.00	Open	-44.07	0.01
P-414	576.00	8.0	PVC	150.0	0.00	Open	-87.19	0.09
P-415	37.00	8.0	PVC	150.0	0.00	Open	-87.19	0.01
P-416	209.00	8.0	PVC	150.0	0.00	Open	-87.19	0.03
P-417	37.00	8.0	PVC	150.0	0.00	Open	-87.19	0.01
P-418	31.00	8.0	PVC	150.0	0.00	Open	-71.06	0.00
P-419	154.00	8.0	PVC	150.0	0.00	Open	-71.06	0.02
P-420	693.00	8.0	PVC	150.0	0.00	Open	-71.06	0.07
P-421	25.00	8.0	PVC	150.0	0.00	Open	-71.06	0.00
P-422	24.00	12.0	PVC	141.0	0.00	Open	-114.04	0.00
P-423	32.00	8.0	PVC	150.0	0.00	Open	-122.79	0.01
P-424	26.00	8.0	PVC	150.0	0.00	Open	-8.21	0.00
P-425	474.00	8.0	PVC	150.0	0.00	Open	-8.21	0.00
P-426	38.00	8.0	PVC	150.0	0.00	Open	-8.21	0.00
P-427	133.00	8.0	PVC	150.0	0.00	Open	-14.57	0.00
P-428	27.00	8.0	PVC	150.0	0.00	Open	-14.57	0.00
P-429	38.00	8.0	PVC	150.0	0.00	Open	6.36	0.00
P-430	33.00	8.0	PVC	150.0	0.00	Open	6.36	0.00
P-431	18.00	8.0	PVC	150.0	0.00	Open	-27.29	0.00
P-432	197.00	8.0	PVC	150.0	0.00	Open	-27.29	0.00
P-433	184.00	8.0	PVC	150.0	0.00	Open	-27.29	0.00
P-434	240.00	8.0	PVC	150.0	0.00	Open	-40.01	0.01
P-435	108.00	8.0	PVC	150.0	0.00	Open	-40.01	0.00
P-436	48.00	8.0	PVC	150.0	0.00	Open	-40.01	0.00
P-437	494.00	8.0	PVC	150.0	0.00	Open	-39.73	0.02
P-438	110.00	8.0	PVC	150.0	0.00	Open	-46.09	0.01
P-439	141.00	8.0	PVC	150.0	0.00	Open	-46.09	0.01
P-440	261.00	8.0	PVC	150.0	0.00	Open	6.36	0.00
P-441	511.00	8.0	PVC	150.0	0.00	Open	-58.81	0.04
P-442	773.00	8.0	PVC	150.0	0.00	Open	-58.81	0.06
P-443	193.00	8.0	PVC	150.0	0.00	Open	-58.81	0.01
P-444	353.00	8.0	PVC	150.0	0.00	Open	-58.81	0.03
P-445	848.00	8.0	PVC	150.0	0.00	Open	-36.28	0.03
P-446	621.00	8.0	PVC	150.0	0.00	Open	-36.28	0.02
P-447	32.00	8.0	PVC	150.0	0.00	Open	-36.28	0.00
P-448	39.00	8.0	Asbestos Cement	140.0	0.00	Open	-62.79	0.00
P-449	12.00	8.0	Asbestos Cement	140.0	0.00	Open	10.61	0.00
P-450	60.00	8.0	Asbestos Cement	140.0	0.00	Open	6.64	0.00
P-451	31.00	8.0	Asbestos Cement	140.0	0.00	Open	-2.39	0.00
P-452	271.00	8.0	PVC	150.0	0.00	Open	-2.39	0.00
P-453	31.00	8.0	PVC	150.0	0.00	Open	-2.39	0.00
P-454	27.00	8.0	PVC	150.0	0.00	Open	36.62	0.00
P-455	22.00	8.0	PVC	150.0	0.00	Open	-28.89	0.00
P-456	172.00	8.0	PVC	150.0	0.00	Open	-28.89	0.00
P-457	837.00	8.0	PVC	150.0	0.00	Open	-28.89	0.02
P-458	400.00	8.0	PVC	150.0	0.00	Open	-28.89	0.01
P-459	30.00	8.0	PVC	150.0	0.00	Open	-28.89	0.00
P-460	45.00	8.0	Asbestos Cement	140.0	0.00	Open	-20.14	0.00
P-461	32.00	8.0	Asbestos Cement	140.0	0.00	Open	-20.14	0.00
P-462	368.00	8.0	Asbestos Cement	140.0	0.00	Open	-23.27	0.01

Scenario: 2. Maximum Day Demand with 3000 gpm at High School
Steady State Analysis
Pipe Report

Label	Length (ft)	Diameter (in)	Material	Hazen-Williams C	Minor Loss Coefficient	Control Status	Discharge (gpm)	Pressure Pipe Headloss (ft)
P-463	41.00	8.0	Asbestos Cement	140.0	0.00	Open	-23.27	0.00
P-464	476.00	8.0	Asbestos Cement	140.0	0.00	Open	-56.21	0.04
P-465	25.00	8.0	Asbestos Cement	140.0	0.00	Open	-56.21	0.00
P-466	21.00	8.0	PVC	150.0	0.00	Open	-56.21	0.00
P-467	34.00	8.0	PVC	150.0	0.00	Open	-149.51	0.01
P-468	37.00	8.0	Asbestos Cement	140.0	0.00	Open	-64.16	0.00
P-469	37.00	8.0	PVC	150.0	0.00	Open	-91.71	0.01
P-470	378.00	8.0	PVC	150.0	0.00	Open	-91.71	0.06
P-471	40.00	8.0	PVC	150.0	0.00	Open	-91.71	0.01
P-472	22.00	8.0	Asbestos Cement	140.0	0.00	Open	-300.81	0.04
P-473	50.00	8.0	Asbestos Cement	140.0	0.00	Open	-300.81	0.09
P-474	215.00	8.0	Asbestos Cement	140.0	0.00	Open	-300.81	0.37
P-475	40.00	8.0	Asbestos Cement	140.0	0.00	Open	-300.81	0.07
P-476	26.00	8.0	Asbestos Cement	140.0	0.00	Open	37.16	0.00
P-477	26.00	8.0	Asbestos Cement	140.0	0.00	Open	37.16	0.00
P-478	37.00	8.0	Asbestos Cement	140.0	0.00	Open	234.98	0.04
P-479	39.00	8.0	Asbestos Cement	140.0	0.00	Open	234.98	0.04
P-480	381.00	8.0	Asbestos Cement	140.0	0.00	Open	234.98	0.42
P-481	13.00	8.0	Asbestos Cement	140.0	0.00	Open	164.46	0.01
P-482	18.00	8.0	Asbestos Cement	140.0	0.00	Open	164.46	0.01
P-483	26.00	8.0	Asbestos Cement	140.0	0.00	Open	81.71	0.00
P-484	471.00	8.0	Asbestos Cement	140.0	0.00	Open	81.71	0.07
P-485	25.00	8.0	Asbestos Cement	140.0	0.00	Open	81.71	0.00
P-486	38.00	8.0	Asbestos Cement	140.0	0.00	Open	79.76	0.01
P-487	36.00	8.0	Asbestos Cement	140.0	0.00	Open	79.76	0.01
P-488	482.00	8.0	Asbestos Cement	140.0	0.00	Open	79.76	0.07
P-489	39.00	8.0	Asbestos Cement	140.0	0.00	Open	-52.91	0.00
P-490	35.00	8.0	Asbestos Cement	140.0	0.00	Open	-57.31	0.00
P-491	74.00	8.0	Asbestos Cement	140.0	0.00	Open	-57.31	0.01
P-492	27.00	8.0	Asbestos Cement	140.0	0.00	Open	-57.31	0.00
P-493	29.00	8.0	Asbestos Cement	140.0	0.00	Open	6.36	0.00
P-494	18.00	8.0	Asbestos Cement	140.0	0.00	Open	6.36	0.00
P-495	28.00	6.0	Asbestos Cement	140.0	0.00	Open	0.00	0.00
P-496	24.00	6.0	Asbestos Cement	140.0	0.00	Open	0.00	0.00
P-497	30.00	8.0	PVC	150.0	0.00	Open	-70.03	0.00
P-498	472.00	8.0	PVC	150.0	0.00	Open	-70.03	0.05
P-499	21.00	8.0	PVC	150.0	0.00	Open	-70.03	0.00
P-500	109.00	8.0	PVC	150.0	0.00	Open	-76.39	0.01
P-501	27.00	8.0	PVC	150.0	0.00	Open	-76.39	0.00
P-502	243.00	8.0	PVC	150.0	0.00	Open	-135.51	0.08
P-503	24.00	8.0	PVC	150.0	0.00	Open	-135.51	0.01
P-504	63.00	8.0	PVC	150.0	0.00	Open	0.00	0.00
P-505	418.00	8.0	PVC	150.0	0.00	Open	0.00	0.00
P-506	31.00	8.0	PVC	150.0	0.00	Open	0.00	0.00
P-507	314.00	8.0	PVC	150.0	0.00	Open	0.00	0.00
P-508	32.00	8.0	PVC	150.0	0.00	Open	-141.87	0.01
P-509	18.00	8.0	PVC	150.0	0.00	Open	-141.87	0.01
P-510	656.00	8.0	PVC	150.0	0.00	Open	-141.87	0.25
P-511	393.00	8.0	PVC	150.0	0.00	Open	-141.87	0.15
P-512	17.00	8.0	PVC	150.0	0.00	Open	-141.87	0.01
P-513	51.00	8.0	PVC	150.0	0.00	Open	-148.23	0.02

Scenario: 2. Maximum Day Demand with 3000 gpm at High School
Steady State Analysis
Pipe Report

Label	Length (ft)	Diameter (in)	Material	Hazen-Williams C	Minor Loss Coefficient	Control Status	Discharge (gpm)	Pressure Pipe Headloss (ft)
P-514	251.00	8.0	PVC	150.0	0.00	Open	-148.23	0.10
P-515	35.00	8.0	Asbestos Cement	140.0	0.00	Open	-148.23	0.02
P-516	44.00	8.0	Asbestos Cement	140.0	0.00	Open	-352.41	0.10
P-517	294.00	8.0	Asbestos Cement	140.0	0.00	Open	-352.41	0.68
P-518	305.00	8.0	Asbestos Cement	140.0	0.00	Open	344.33	0.67
P-519	47.00	8.0	Asbestos Cement	140.0	0.00	Open	344.33	0.10
P-520	169.00	8.0	Asbestos Cement	140.0	0.00	Open	-703.11	1.40
P-521	29.00	8.0	Asbestos Cement	140.0	0.00	Open	202.74	0.02
P-522	36.00	8.0	Asbestos Cement	140.0	0.00	Open	202.74	0.03
P-523	201.00	8.0	Asbestos Cement	140.0	0.00	Open	202.74	0.17
P-524	58.00	8.0	Asbestos Cement	140.0	0.00	Open	202.74	0.05
P-525	37.00	8.0	Asbestos Cement	140.0	0.00	Open	11.98	0.00
P-526	48.00	8.0	Asbestos Cement	140.0	0.00	Open	184.40	0.03
P-527	32.00	8.0	PVC	150.0	0.00	Open	224.67	0.03
P-528	30.00	8.0	Asbestos Cement	140.0	0.00	Open	108.46	0.01
P-529	45.00	8.0	PVC	150.0	0.00	Open	224.67	0.04
P-530	126.00	8.0	PVC	150.0	0.00	Open	224.67	0.11
P-531	43.00	8.0	PVC	150.0	0.00	Open	224.67	0.04
P-532	26.00	8.0	PVC	150.0	0.00	Open	224.67	0.02
P-533	24.00	8.0	PVC	150.0	0.00	Open	224.67	0.02
P-534	27.00	8.0	PVC	150.0	0.00	Open	218.31	0.02
P-535	20.00	8.0	PVC	150.0	0.00	Open	122.74	0.01
P-536	133.00	8.0	PVC	150.0	0.00	Open	122.74	0.04
P-537	122.00	8.0	PVC	150.0	0.00	Open	111.64	0.03
P-538	82.00	8.0	Asbestos Cement	140.0	0.00	Open	386.47	0.22
P-539	265.00	8.0	Asbestos Cement	140.0	0.00	Open	386.47	0.73
P-540	30.00	8.0	Asbestos Cement	140.0	0.00	Open	386.47	0.08
P-541	59.00	8.0	Asbestos Cement	140.0	0.00	Open	424.29	0.19
P-542	215.00	8.0	Asbestos Cement	140.0	0.00	Open	424.29	0.70
P-543	48.00	8.0	Asbestos Cement	140.0	0.00	Open	424.29	0.16
P-544	28.00	8.0	Asbestos Cement	140.0	0.00	Open	-61.34	0.00
P-545	274.00	8.0	Asbestos Cement	140.0	0.00	Open	479.27	1.12
P-546	40.00	8.0	Asbestos Cement	140.0	0.00	Open	479.27	0.16
P-547	35.00	8.0	Asbestos Cement	140.0	0.00	Open	-62.22	0.00
P-548	67.00	8.0	Asbestos Cement	140.0	0.00	Open	535.13	0.34
P-549	257.00	8.0	Asbestos Cement	140.0	0.00	Open	535.13	1.29
P-550	35.00	8.0	Asbestos Cement	140.0	0.00	Open	120.47	0.01
P-551	37.00	8.0	Asbestos Cement	140.0	0.00	Open	408.30	0.11
P-552	37.00	8.0	PVC	150.0	0.00	Open	85.73	0.01
P-553	117.00	8.0	PVC	150.0	0.00	Open	85.73	0.02
P-554	96.00	8.0	PVC	150.0	0.00	Open	84.12	0.01
P-555	23.00	8.0	PVC	150.0	0.00	Open	84.12	0.00
P-556	34.00	8.0	PVC	150.0	0.00	Open	84.12	0.00
P-557	22.00	8.0	PVC	150.0	0.00	Open	124.80	0.01
P-558	41.00	8.0	PVC	150.0	0.00	Open	131.31	0.01
P-559	209.00	8.0	PVC	150.0	0.00	Open	131.31	0.07
P-560	28.00	8.0	PVC	150.0	0.00	Open	131.31	0.01
P-561	23.00	8.0	PVC	150.0	0.00	Open	131.31	0.01
P-562	53.00	8.0	PVC	150.0	0.00	Open	166.54	0.03
P-563	62.00	8.0	PVC	150.0	0.00	Open	166.54	0.03
P-564	172.00	8.0	PVC	150.0	0.00	Open	166.54	0.09

Scenario: 2. Maximum Day Demand with 3000 gpm at High School
Steady State Analysis
Pipe Report

Label	Length (ft)	Diameter (in)	Material	Hazen-Williams C	Minor Loss Coefficient	Control Status	Discharge (gpm)	Pressure Pipe Headloss (ft)
P-565	67.00	8.0	PVC	150.0	0.00	Open	166.54	0.03
P-566	35.00	8.0	Asbestos Cement	140.0	0.00	Open	125.92	0.01
P-567	42.00	8.0	Asbestos Cement	140.0	0.00	Open	-21.17	0.00
P-568	438.00	8.0	Asbestos Cement	140.0	0.00	Open	140.73	0.18
P-569	34.00	8.0	Asbestos Cement	140.0	0.00	Open	140.73	0.01
P-570	30.00	8.0	Asbestos Cement	140.0	0.00	Open	-1.84	0.00
P-571	51.00	8.0	Asbestos Cement	140.0	0.00	Open	136.21	0.02
P-572	583.00	8.0	Asbestos Cement	140.0	0.00	Open	136.21	0.23
P-573	36.00	8.0	Asbestos Cement	140.0	0.00	Open	6.36	0.00
P-574	30.00	8.0	Asbestos Cement	140.0	0.00	Open	123.49	0.01
P-575	34.00	8.0	Asbestos Cement	140.0	0.00	Open	2.88	0.00
P-576	13.00	8.0	Asbestos Cement	140.0	0.00	Open	114.25	0.00
P-577	33.00	8.0	Asbestos Cement	140.0	0.00	Open	114.25	0.01
P-578	284.00	8.0	Asbestos Cement	140.0	0.00	Open	114.25	0.08
P-579	31.00	8.0	Asbestos Cement	140.0	0.00	Open	-39.22	0.00
P-580	31.00	8.0	Asbestos Cement	140.0	0.00	Open	12.87	0.00
P-581	40.00	8.0	Asbestos Cement	140.0	0.00	Open	134.24	0.02
P-582	43.00	8.0	Asbestos Cement	140.0	0.00	Open	134.24	0.02
P-583	238.00	8.0	Asbestos Cement	140.0	0.00	Open	134.24	0.09
P-584	47.00	8.0	Asbestos Cement	140.0	0.00	Open	134.24	0.02
P-585	231.00	8.0	Asbestos Cement	140.0	0.00	Open	134.24	0.09
P-586	348.00	8.0	Asbestos Cement	140.0	0.00	Open	368.93	0.87
P-587	28.00	8.0	Asbestos Cement	140.0	0.00	Open	-37.95	0.00
P-588	45.00	8.0	Asbestos Cement	140.0	0.00	Open	64.82	0.00
P-589	36.00	8.0	Asbestos Cement	140.0	0.00	Open	335.70	0.08
P-590	236.00	8.0	Asbestos Cement	140.0	0.00	Open	335.70	0.50
P-591	25.00	8.0	Asbestos Cement	140.0	0.00	Open	335.70	0.05
P-592	22.00	8.0	Asbestos Cement	140.0	0.00	Open	504.76	0.10
P-593	35.00	8.0	Asbestos Cement	140.0	0.00	Open	398.11	0.10
P-594	278.00	8.0	Asbestos Cement	140.0	0.00	Open	398.11	0.80
P-595	42.00	8.0	Asbestos Cement	140.0	0.00	Open	145.79	0.02
P-596	15.00	8.0	Asbestos Cement	140.0	0.00	Open	245.95	0.02
P-597	32.00	8.0	Asbestos Cement	140.0	0.00	Open	-172.81	0.02
P-598	284.00	8.0	Asbestos Cement	140.0	0.00	Open	412.40	0.88
P-599	25.00	8.0	Asbestos Cement	140.0	0.00	Open	412.40	0.08
P-600	21.00	8.0	Asbestos Cement	140.0	0.00	Open	-61.32	0.00
P-601	20.00	8.0	Asbestos Cement	140.0	0.00	Open	-61.32	0.00
P-602	27.00	8.0	Asbestos Cement	140.0	0.00	Open	-215.53	0.03
P-603	40.00	8.0	Asbestos Cement	140.0	0.00	Open	467.36	0.16
P-605	42.00	8.0	PVC	150.0	0.00	Open	147.85	0.02
P-606	26.00	8.0	PVC	150.0	0.00	Open	141.49	0.01
P-607	19.00	8.0	PVC	150.0	0.00	Open	141.49	0.01
P-608	190.00	8.0	PVC	150.0	0.00	Open	141.49	0.07
P-609	26.00	8.0	PVC	150.0	0.00	Open	141.49	0.01
P-610	33.00	8.0	PVC	150.0	0.00	Open	141.49	0.01
P-611	81.00	8.0	PVC	150.0	0.00	Open	-251.45	0.09
P-612	334.00	8.0	PVC	150.0	0.00	Open	-251.45	0.36
P-613	32.00	8.0	PVC	150.0	0.00	Open	383.46	0.08
P-614	359.00	8.0	PVC	150.0	0.00	Open	383.46	0.85
P-615	49.00	8.0	PVC	150.0	0.00	Open	-419.41	0.14
P-616	73.00	8.0	PVC	150.0	0.00	Open	796.51	0.67

Scenario: 2. Maximum Day Demand with 3000 gpm at High School
Steady State Analysis
Pipe Report

Label	Length (ft)	Diameter (in)	Material	Hazen-Williams C	Minor Loss Coefficient	Control Status	Discharge (gpm)	Pressure Pipe Headloss (ft)
P-617	365.00	8.0	PVC	150.0	0.00	Open	796.51	3.36
P-618	252.00	8.0	PVC	150.0	0.00	Open	-703.49	1.84
P-619	50.00	8.0	PVC	150.0	0.00	Open	-703.49	0.37
P-620	32.00	8.0	PVC	150.0	0.00	Open	-703.49	0.23
P-621	36.00	8.0	PVC	150.0	0.00	Open	-464.02	0.12
P-622	343.00	8.0	PVC	150.0	0.00	Open	-464.02	1.16
P-623	235.00	8.0	PVC	150.0	0.00	Open	-90.22	0.04
P-624	23.00	8.0	PVC	150.0	0.00	Open	-90.22	0.00
P-625	28.00	8.0	PVC	150.0	0.00	Open	82.50	0.00
P-626	34.00	8.0	PVC	150.0	0.00	Open	-179.08	0.02
P-627	30.00	8.0	PVC	150.0	0.00	Open	81.86	0.00
P-628	24.00	8.0	PVC	150.0	0.00	Open	81.86	0.00
P-629	217.00	8.0	PVC	150.0	0.00	Open	81.86	0.03
P-630	36.00	8.0	PVC	150.0	0.00	Open	81.86	0.00
P-631	39.00	8.0	PVC	150.0	0.00	Open	81.86	0.01
P-632	23.00	8.0	PVC	150.0	0.00	Open	-267.30	0.03
P-633	375.00	8.0	PVC	150.0	0.00	Open	-267.30	0.46
P-634	86.00	8.0	PVC	150.0	0.00	Open	-491.38	0.32
P-635	34.00	8.0	PVC	150.0	0.00	Open	92.43	0.01
P-636	201.00	8.0	PVC	150.0	0.00	Open	92.43	0.03
P-637	26.00	8.0	PVC	150.0	0.00	Open	92.43	0.00
P-638	53.00	8.0	PVC	150.0	0.00	Open	425.77	0.15
P-639	19.00	8.0	PVC	150.0	0.00	Open	-592.35	0.10
P-640	19.00	8.0	PVC	150.0	0.00	Open	-592.35	0.10
P-641	30.00	8.0	PVC	150.0	0.00	Open	-168.42	0.02
P-642	185.00	8.0	PVC	150.0	0.00	Open	-168.42	0.10
P-643	21.00	8.0	Asbestos Cement	140.0	0.00	Open	-168.42	0.01
P-644	28.00	8.0	PVC	150.0	0.00	Open	-430.28	0.08
P-645	68.00	8.0	PVC	150.0	0.00	Open	-430.28	0.20
P-646	371.00	8.0	PVC	150.0	0.00	Open	-430.28	1.09
P-647	104.00	8.0	PVC	150.0	0.00	Open	-430.28	0.31
P-648	43.00	8.0	PVC	150.0	0.00	Open	-430.28	0.13
P-649	39.00	8.0	PVC	150.0	0.00	Open	-436.64	0.12
P-650	161.00	8.0	PVC	150.0	0.00	Open	-436.64	0.49
P-651	354.00	8.0	PVC	150.0	0.00	Open	-436.64	1.07
P-652	76.00	8.0	PVC	150.0	0.00	Open	-436.64	0.23
P-653	50.00	8.0	PVC	150.0	0.00	Open	-436.64	0.15
P-654	42.00	8.0	PVC	150.0	0.00	Open	128.25	0.01
P-655	63.00	8.0	PVC	150.0	0.00	Open	-571.26	0.31
P-656	339.00	8.0	PVC	150.0	0.00	Open	-571.26	1.68
P-657	35.00	8.0	PVC	150.0	0.00	Open	-571.26	0.17
P-658	24.00	8.0	PVC	150.0	0.00	Open	0.00	0.00
P-659	29.00	8.0	PVC	150.0	0.00	Open	-577.62	0.15
P-660	34.00	8.0	PVC	150.0	0.00	Open	-577.62	0.17
P-661	237.00	8.0	PVC	150.0	0.00	Open	-577.62	1.20
P-662	28.00	8.0	PVC	150.0	0.00	Open	-577.62	0.14
P-663	67.00	8.0	PVC	150.0	0.00	Open	-187.86	0.04
P-664	33.00	8.0	PVC	150.0	0.00	Open	-245.83	0.03
P-665	314.00	8.0	PVC	150.0	0.00	Open	-245.83	0.33
P-666	27.00	8.0	PVC	150.0	0.00	Open	-245.83	0.03
P-667	25.00	8.0	PVC	150.0	0.00	Open	0.00	0.00

Scenario: 2. Maximum Day Demand with 3000 gpm at High School
Steady State Analysis
Pipe Report

Label	Length (ft)	Diameter (in)	Material	Hazen-Williams C	Minor Loss Coefficient	Control Status	Discharge (gpm)	Pressure Pipe Headloss (ft)
P-668	46.00	8.0	PVC	150.0	0.00	Open	-252.19	0.05
P-669	262.00	8.0	PVC	150.0	0.00	Open	-252.19	0.29
P-670	52.00	8.0	PVC	150.0	0.00	Open	-252.19	0.06
P-671	26.00	8.0	PVC	150.0	0.00	Open	-245.68	0.03
P-672	37.00	8.0	PVC	150.0	0.00	Open	-6.52	0.00
P-673	86.00	8.0	PVC	150.0	0.00	Open	-6.52	0.00
P-674	24.00	8.0	PVC	150.0	0.00	Open	-6.52	0.00
P-675	26.00	8.0	PVC	150.0	0.00	Open	10.52	0.00
P-676	25.00	8.0	PVC	150.0	0.00	Open	-23.40	0.00
P-677	165.00	8.0	PVC	150.0	0.00	Open	-23.40	0.00
P-678	29.00	8.0	PVC	150.0	0.00	Open	-29.76	0.00
P-679	28.00	8.0	PVC	150.0	0.00	Open	-36.12	0.00
P-680	113.00	8.0	PVC	150.0	0.00	Open	-42.48	0.00
P-681	28.00	8.0	PVC	150.0	0.00	Open	0.00	0.00
P-682	44.00	8.0	PVC	150.0	0.00	Open	-48.84	0.00
P-683	41.00	8.0	PVC	150.0	0.00	Open	-48.84	0.00
P-684	51.00	8.0	PVC	150.0	0.00	Open	-47.55	0.00
P-685	34.00	8.0	PVC	150.0	0.00	Open	-12.17	0.00
P-686	48.00	8.0	PVC	150.0	0.00	Open	-12.17	0.00
P-687	535.00	8.0	PVC	150.0	0.00	Open	-12.17	0.00
P-688	47.00	8.0	PVC	150.0	0.00	Open	-12.17	0.00
P-689	39.00	8.0	PVC	150.0	0.00	Open	-38.31	0.00
P-690	260.00	8.0	PVC	150.0	0.00	Open	-38.31	0.01
P-691	30.00	8.0	PVC	150.0	0.00	Open	-38.31	0.00
P-692	41.00	8.0	PVC	150.0	0.00	Open	-58.13	0.00
P-693	274.00	8.0	PVC	150.0	0.00	Open	-58.13	0.02
P-694	48.00	8.0	PVC	150.0	0.00	Open	-5.48	0.00
P-695	475.00	8.0	PVC	150.0	0.00	Open	-11.84	0.00
P-696	109.00	8.0	PVC	150.0	0.00	Open	-18.20	0.00
P-697	665.00	8.0	PVC	150.0	0.00	Open	-30.92	0.01
P-698	153.00	8.0	PVC	150.0	0.00	Open	6.36	0.00
P-699	173.00	8.0	PVC	150.0	0.00	Open	0.00	0.00
P-700	36.00	8.0	PVC	150.0	0.00	Open	0.00	0.00
P-701	27.00	8.0	PVC	150.0	0.00	Open	365.17	0.06
P-702	216.00	8.0	PVC	150.0	0.00	Open	365.17	0.47
P-704	27.00	8.0	PVC	150.0	0.00	Open	-371.53	0.06
P-705	22.00	8.0	PVC	150.0	0.00	Open	-371.53	0.05
P-706	168.00	8.0	PVC	150.0	0.00	Open	-371.53	0.38
P-707	30.00	8.0	PVC	150.0	0.00	Open	-371.53	0.07
P-708	26.00	8.0	PVC	150.0	0.00	Open	-409.50	0.07
P-709	22.00	8.0	PVC	150.0	0.00	Open	-409.50	0.06
P-710	241.00	8.0	PVC	150.0	0.00	Open	-409.50	0.65
P-711	28.00	8.0	PVC	150.0	0.00	Open	-409.50	0.08
P-712	24.00	8.0	PVC	150.0	0.00	Open	-409.50	0.06
P-713	37.00	8.0	PVC	150.0	0.00	Open	-115.84	0.01
P-714	253.00	8.0	PVC	150.0	0.00	Open	-115.84	0.07
P-715	71.00	8.0	PVC	150.0	0.00	Open	-115.84	0.02
P-716	433.00	8.0	Asbestos Cement	140.0	0.00	Open	-95.33	0.09
P-717	46.00	8.0	Asbestos Cement	140.0	0.00	Open	30.78	0.00
P-718	37.00	8.0	Asbestos Cement	140.0	0.00	Open	-132.46	0.01
P-719	353.00	8.0	Asbestos Cement	140.0	0.00	Open	-132.46	0.13

Scenario: 2. Maximum Day Demand with 3000 gpm at High School
Steady State Analysis
Pipe Report

Label	Length (ft)	Diameter (in)	Material	Hazen-Williams C	Minor Loss Coefficient	Control Status	Discharge (gpm)	Pressure Pipe Headloss (ft)
P-720	26.00	8.0	Asbestos Cement	140.0	0.00	Open	-132.46	0.01
P-721	61.00	8.0	Asbestos Cement	140.0	0.00	Open	38.36	0.00
P-722	60.00	8.0	Asbestos Cement	140.0	0.00	Open	-177.18	0.04
P-723	41.00	8.0	Asbestos Cement	140.0	0.00	Open	-108.88	0.01
P-724	28.00	8.0	Asbestos Cement	140.0	0.00	Open	-74.66	0.00
P-725	94.00	8.0	Asbestos Cement	140.0	0.00	Open	-74.66	0.01
P-726	48.00	8.0	Asbestos Cement	140.0	0.00	Open	-123.97	0.02
P-727	426.00	8.0	Asbestos Cement	140.0	0.00	Open	42.95	0.02
P-728	46.00	8.0	Asbestos Cement	140.0	0.00	Open	36.59	0.00
P-729	78.00	8.0	Asbestos Cement	140.0	0.00	Open	0.00	0.00
P-730	74.00	10.0	D. I.	130.0	0.00	Open	1,429.54	0.88
P-731	87.00	10.0	D. I.	130.0	0.00	Open	1,429.54	1.04
P-732	25.00	10.0	Asbestos Cement	140.0	0.00	Open	139.79	0.00
P-733	325.00	10.0	D. I.	130.0	0.00	Open	1,283.39	3.18
P-734	27.00	10.0	Asbestos Cement	140.0	0.00	Open	-133.43	0.00
P-735	31.00	10.0	Asbestos Cement	140.0	0.00	Open	27.02	0.00
P-736	238.00	10.0	D. I.	130.0	0.00	Open	1,383.43	2.67
P-737	261.00	10.0	D. I.	130.0	0.00	Open	1,096.01	1.91
P-738	34.00	10.0	D. I.	130.0	0.00	Open	1,096.01	0.25
P-739	69.00	10.0	PVC	150.0	0.00	Open	-122.79	0.01
P-740	55.00	10.0	PVC	150.0	0.00	Open	-122.79	0.01
P-741	35.00	10.0	PVC	150.0	0.00	Open	-135.51	0.00
P-742	191.00	10.0	PVC	150.0	0.00	Open	6.36	0.00
P-743	32.00	10.0	PVC	150.0	0.00	Open	302.12	0.02
P-744	586.00	10.0	PVC	150.0	0.00	Open	302.12	0.30
P-745	288.00	10.0	PVC	150.0	0.00	Open	302.12	0.15
P-746	26.00	10.0	PVC	150.0	0.00	Open	302.12	0.01
P-747	160.00	10.0	PVC	150.0	0.00	Open	-6.36	0.00
P-748	159.00	10.0	PVC	150.0	0.00	Open	-6.36	0.00
P-749	39.00	10.0	PVC	150.0	0.00	Open	18.20	0.00
P-750	37.00	10.0	PVC	150.0	0.00	Open	-30.92	0.00
P-751	338.00	10.0	PVC	150.0	0.00	Open	-245.68	0.12
P-752	41.00	10.0	PVC	150.0	0.00	Open	-245.68	0.01
P-753	29.00	10.0	PVC	150.0	0.00	Open	-419.41	0.03
P-754	305.00	10.0	PVC	150.0	0.00	Open	-419.41	0.29
P-755	25.00	10.0	PVC	150.0	0.00	Open	-425.77	0.02
P-756	30.00	10.0	PVC	150.0	0.00	Open	-1,191.10	0.20
P-757	169.00	10.0	PVC	150.0	0.00	Open	-1,191.10	1.10
P-758	29.00	10.0	D. I.	130.0	0.00	Open	6.36	0.00
P-759	366.00	10.0	D. I.	130.0	0.00	Open	-1,198.47	3.15
P-760	38.00	10.0	D. I.	130.0	0.00	Open	-1,198.47	0.33
P-761	43.00	10.0	D. I.	130.0	0.00	Open	-1,594.59	0.63
P-762	294.00	10.0	D. I.	130.0	0.00	Open	-1,594.59	4.30
P-763	52.00	10.0	D. I.	130.0	0.00	Open	378.62	0.05
P-764	261.00	10.0	D. I.	130.0	0.00	Open	378.62	0.27
P-765	20.00	10.0	D. I.	130.0	0.00	Open	1,613.88	0.30
P-766	37.00	10.0	PVC	150.0	0.00	Open	341.01	0.02
P-767	26.00	10.0	D. I.	130.0	0.00	Open	1,266.51	0.25
P-768	268.00	10.0	D. I.	130.0	0.00	Open	1,266.51	2.56
P-769	27.00	10.0	D. I.	130.0	0.00	Open	1,266.51	0.26
P-770	29.00	10.0	D. I.	130.0	0.00	Open	966.49	0.17

Scenario: 2. Maximum Day Demand with 3000 gpm at High School
Steady State Analysis
Pipe Report

Label	Length (ft)	Diameter (in)	Material	Hazen-Williams C	Minor Loss Coefficient	Control Status	Discharge (gpm)	Pressure Pipe Headloss (ft)
P-771	232.00	10.0	D. I.	130.0	0.00	Open	966.49	1.34
P-772	28.00	10.0	D. I.	130.0	0.00	Open	960.13	0.16
P-773	76.00	10.0	D. I.	130.0	0.00	Open	960.13	0.43
P-774	14.00	10.0	D. I.	130.0	0.00	Open	322.20	0.01
P-775	188.00	10.0	D. I.	130.0	0.00	Open	322.20	0.14
P-776	37.00	10.0	D. I.	130.0	0.00	Open	631.57	0.10
P-777	303.00	10.0	D. I.	130.0	0.00	Open	631.57	0.80
P-778	217.00	10.0	D. I.	130.0	0.00	Open	631.57	0.57
P-779	32.00	10.0	D. I.	130.0	0.00	Open	631.57	0.08
P-780	26.00	10.0	D. I.	130.0	0.00	Open	953.66	0.15
P-781	207.00	10.0	D. I.	130.0	0.00	Open	953.66	1.17
P-782	147.00	10.0	D. I.	130.0	0.00	Open	-1,979.57	3.21
P-783	40.00	10.0	D. I.	130.0	0.00	Open	-1,241.63	0.37
P-784	312.00	10.0	D. I.	130.0	0.00	Open	-1,241.63	2.87
P-785	57.00	10.0	D. I.	130.0	0.00	Open	-1,422.58	0.67
P-786	151.00	10.0	D. I.	130.0	0.00	Open	-1,422.58	1.79
P-787	85.00	10.0	D. I.	130.0	0.00	Open	-1,422.58	1.01
P-788	239.00	12.0	PVC	150.0	0.00	Open	-22.49	0.00
P-789	33.00	12.0	PVC	150.0	0.00	Open	-22.49	0.00
P-790	295.00	12.0	PVC	150.0	0.00	Open	-22.49	0.00
P-791	203.00	12.0	PVC	150.0	0.00	Open	786.48	0.25
P-792	31.00	12.0	PVC	150.0	0.00	Open	786.48	0.04
P-793	42.00	12.0	PVC	150.0	0.00	Open	786.48	0.05
P-794	157.00	12.0	PVC	150.0	0.00	Open	735.35	0.17
P-795	34.00	12.0	PVC	150.0	0.00	Open	0.00	0.00
P-796	153.00	12.0	PVC	150.0	0.00	Open	728.99	0.17
P-797	23.00	12.0	Asbestos Cement	140.0	0.00	Open	351.93	0.01
P-798	18.00	12.0	PVC	150.0	0.00	Open	728.99	0.02
P-799	42.00	12.0	PVC	150.0	0.00	Open	-69.96	0.00
P-800	23.00	12.0	PVC	150.0	0.00	Open	377.06	0.01
P-801	267.00	12.0	PVC	150.0	0.00	Open	792.59	0.34
P-802	26.00	12.0	PVC	150.0	0.00	Open	792.59	0.03
P-803	38.00	12.0	PVC	150.0	0.00	Open	-99.82	0.00
P-804	25.00	12.0	PVC	150.0	0.00	Open	886.05	0.04
P-805	34.00	12.0	PVC	150.0	0.00	Open	886.05	0.05
P-806	224.00	12.0	PVC	150.0	0.00	Open	886.05	0.35
P-807	34.00	12.0	PVC	150.0	0.00	Open	886.05	0.05
P-808	24.00	12.0	PVC	150.0	0.00	Open	886.05	0.04
P-809	40.00	12.0	PVC	150.0	0.00	Open	60.54	0.00
P-810	28.00	12.0	PVC	150.0	0.00	Open	0.00	0.00
P-811	317.00	12.0	PVC	150.0	0.00	Open	819.14	0.43
P-812	21.00	12.0	PVC	150.0	0.00	Open	819.14	0.03
P-813	48.00	12.0	PVC	150.0	0.00	Open	703.11	0.05
P-814	42.00	12.0	PVC	150.0	0.00	Open	109.68	0.00
P-815	38.00	12.0	PVC	150.0	0.00	Open	109.68	0.00
P-816	308.00	12.0	PVC	150.0	0.00	Open	109.68	0.01
P-817	36.00	12.0	PVC	150.0	0.00	Open	109.68	0.00
P-818	38.00	12.0	PVC	150.0	0.00	Open	109.68	0.00
P-820	31.00	12.0	PVC	150.0	0.00	Open	-218.68	0.00
P-821	265.00	12.0	PVC	150.0	0.00	Open	-218.68	0.03
P-822	34.00	12.0	PVC	150.0	0.00	Open	-218.68	0.00

Scenario: 2. Maximum Day Demand with 3000 gpm at High School
Steady State Analysis
Pipe Report

Label	Length (ft)	Diameter (in)	Material	Hazen-Williams C	Minor Loss Coefficient	Control Status	Discharge (gpm)	Pressure Pipe Headloss (ft)
P-823	58.00	12.0	PVC	150.0	0.00	Open	-218.68	0.01
P-824	32.00	12.0	PVC	150.0	0.00	Open	-230.36	0.00
P-825	40.00	12.0	PVC	150.0	0.00	Open	-230.36	0.01
P-826	317.00	12.0	PVC	150.0	0.00	Open	-230.36	0.04
P-827	33.00	12.0	PVC	150.0	0.00	Open	-230.36	0.00
P-828	57.00	12.0	PVC	150.0	0.00	Open	-230.36	0.01
P-829	34.00	12.0	Asbestos Cement	140.0	0.00	Open	-134.24	0.00
P-830	34.00	12.0	Asbestos Cement	140.0	0.00	Open	368.93	0.01
P-831	29.00	12.0	PVC	150.0	0.00	Open	-471.40	0.01
P-832	24.00	12.0	PVC	150.0	0.00	Open	-471.40	0.01
P-833	290.00	12.0	PVC	150.0	0.00	Open	-471.40	0.14
P-834	25.00	12.0	PVC	150.0	0.00	Open	-477.76	0.01
P-835	27.00	12.0	PVC	150.0	0.00	Open	-477.76	0.01
P-836	38.00	12.0	Asbestos Cement	140.0	0.00	Open	-45.51	0.00
P-837	50.00	12.0	D. I.	130.0	0.00	Open	-953.66	0.12
P-838	40.00	12.0	PVC	150.0	0.00	Open	515.05	0.02
P-839	34.00	12.0	PVC	150.0	0.00	Open	515.05	0.02
P-840	265.00	12.0	PVC	150.0	0.00	Open	750.77	0.30
P-841	29.00	12.0	PVC	150.0	0.00	Open	750.77	0.03
P-842	19.00	12.0	PVC	150.0	0.00	Open	750.77	0.02
P-843	58.00	12.0	PVC	150.0	0.00	Open	37.95	0.00
P-844	31.00	12.0	PVC	150.0	0.00	Open	706.46	0.03
P-845	272.00	12.0	PVC	150.0	0.00	Open	706.46	0.28
P-846	24.00	12.0	PVC	150.0	0.00	Open	706.46	0.02
P-847	31.00	12.0	PVC	150.0	0.00	Open	531.03	0.02
P-848	236.00	12.0	PVC	150.0	0.00	Open	531.03	0.14
P-849	34.00	12.0	PVC	150.0	0.00	Open	531.03	0.02
P-850	34.00	12.0	PVC	150.0	0.00	Open	531.03	0.02
P-851	23.00	12.0	PVC	150.0	0.00	Open	351.86	0.01
P-852	36.00	12.0	PVC	150.0	0.00	Open	1,536.60	0.16
P-853	262.00	12.0	PVC	150.0	0.00	Open	1,536.60	1.13
P-854	29.00	12.0	PVC	150.0	0.00	Open	1,536.60	0.12
P-855	60.00	12.0	PVC	150.0	0.00	Open	215.53	0.01
P-856	37.00	12.0	PVC	150.0	0.00	Open	1,321.07	0.12
P-857	241.00	12.0	PVC	150.0	0.00	Open	1,321.07	0.78
P-858	27.00	12.0	PVC	150.0	0.00	Open	1,321.07	0.09
P-859	51.00	12.0	PVC	150.0	0.00	Open	251.45	0.01
P-860	30.00	12.0	PVC	150.0	0.00	Open	1,063.26	0.07
P-861	58.00	12.0	PVC	150.0	0.00	Open	1,063.26	0.13
P-862	27.00	12.0	PVC	150.0	0.00	Open	59.25	0.00
P-863	29.00	12.0	PVC	150.0	0.00	Open	997.65	0.06
P-864	26.00	12.0	PVC	150.0	0.00	Open	997.65	0.05
P-865	213.00	12.0	PVC	150.0	0.00	Open	997.65	0.41
P-866	24.00	12.0	PVC	150.0	0.00	Open	997.65	0.05
P-867	23.00	12.0	PVC	150.0	0.00	Open	657.95	0.02
P-868	70.00	12.0	PVC	150.0	0.00	Open	657.95	0.06
P-869	69.00	12.0	PVC	150.0	0.00	Open	657.95	0.06
P-870	21.00	12.0	PVC	150.0	0.00	Open	657.95	0.02
P-871	245.00	12.0	PVC	150.0	0.00	Open	651.59	0.22
P-872	44.00	12.0	PVC	150.0	0.00	Open	-207.68	0.00
P-873	370.00	12.0	PVC	150.0	0.00	Open	-207.68	0.04

Scenario: 2. Maximum Day Demand with 3000 gpm at High School
Steady State Analysis
Pipe Report

Label	Length (ft)	Diameter (in)	Material	Hazen-Williams C	Minor Loss Coefficient	Control Status	Discharge (gpm)	Pressure Pipe Headloss (ft)
P-874	36.00	12.0	PVC	150.0	0.00	Open	-207.68	0.00
P-875	31.00	12.0	PVC	150.0	0.00	Open	-485.02	0.02
P-876	73.00	12.0	PVC	150.0	0.00	Open	-485.02	0.04
P-877	148.00	12.0	PVC	150.0	0.00	Open	267.30	0.03
P-878	52.00	12.0	PVC	150.0	0.00	Open	267.30	0.01
P-879	30.00	12.0	PVC	150.0	0.00	Open	852.91	0.04
P-880	309.00	12.0	PVC	150.0	0.00	Open	852.91	0.45
P-881	29.00	12.0	PVC	150.0	0.00	Open	852.91	0.04
P-882	29.00	12.0	PVC	150.0	0.00	Open	-90.22	0.00
P-883	51.00	12.0	PVC	150.0	0.00	Open	464.02	0.02
P-884	28.00	12.0	PVC	150.0	0.00	Open	472.75	0.01
P-885	29.00	12.0	PVC	150.0	0.00	Open	472.75	0.01
P-886	268.00	12.0	PVC	150.0	0.00	Open	472.75	0.13
P-887	33.00	12.0	PVC	150.0	0.00	Open	472.75	0.02
P-888	39.00	12.0	PVC	150.0	0.00	Open	-11.06	0.00
P-889	46.00	12.0	PVC	150.0	0.00	Open	477.45	0.02
P-890	284.00	12.0	PVC	150.0	0.00	Open	477.45	0.14
P-891	29.00	12.0	PVC	150.0	0.00	Open	477.45	0.01
P-892	44.00	12.0	PVC	150.0	0.00	Open	-19.11	0.00
P-893	13.00	12.0	PVC	150.0	0.00	Open	490.20	0.01
P-894	25.00	12.0	PVC	150.0	0.00	Open	245.68	0.00
P-895	43.00	12.0	PVC	150.0	0.00	Open	238.16	0.01
P-896	240.00	12.0	PVC	150.0	0.00	Open	238.16	0.03
P-897	36.00	12.0	PVC	150.0	0.00	Open	238.16	0.00
P-898	36.00	12.0	PVC	150.0	0.00	Open	4.35	0.00
P-899	32.00	12.0	PVC	150.0	0.00	Open	227.45	0.00
P-900	22.00	12.0	PVC	150.0	0.00	Open	227.45	0.00
P-901	160.00	12.0	PVC	150.0	0.00	Open	227.45	0.02
P-902	30.00	12.0	PVC	150.0	0.00	Open	227.45	0.00
P-903	28.00	12.0	PVC	150.0	0.00	Open	227.45	0.00
P-904	30.00	12.0	PVC	150.0	0.00	Open	167.18	0.00
P-905	299.00	12.0	PVC	150.0	0.00	Open	167.18	0.02
P-906	215.00	12.0	PVC	150.0	0.00	Open	167.18	0.02
P-907	23.00	12.0	PVC	150.0	0.00	Open	167.18	0.00
P-908	39.00	12.0	PVC	150.0	0.00	Open	19.71	0.00
P-909	30.00	12.0	PVC	150.0	0.00	Open	141.11	0.00
P-910	45.00	12.0	PVC	150.0	0.00	Open	141.11	0.00
P-911	54.00	12.0	PVC	150.0	0.00	Open	141.11	0.00
P-912	41.00	12.0	PVC	150.0	0.00	Open	58.13	0.00
P-913	31.00	12.0	PVC	150.0	0.00	Open	76.61	0.00
P-914	421.00	12.0	PVC	150.0	0.00	Open	76.61	0.01
P-915	40.00	12.0	PVC	150.0	0.00	Open	76.61	0.00
P-916	21.00	12.0	PVC	150.0	0.00	Open	20.94	0.00
P-917	38.00	12.0	PVC	150.0	0.00	Open	55.67	0.00
P-918	409.00	12.0	PVC	150.0	0.00	Open	55.67	0.00
P-919	28.00	12.0	PVC	150.0	0.00	Open	55.67	0.00
P-920	36.00	12.0	PVC	150.0	0.00	Open	50.33	0.00
P-921	366.00	12.0	PVC	150.0	0.00	Open	50.33	0.00
P-922	30.00	12.0	PVC	150.0	0.00	Open	50.33	0.00
P-923	57.00	12.0	PVC	150.0	0.00	Open	0.39	0.00
P-924	38.00	12.0	PVC	150.0	0.00	Open	49.94	0.00

Scenario: 2. Maximum Day Demand with 3000 gpm at High School
Steady State Analysis
Pipe Report

Label	Length (ft)	Diameter (in)	Material	Hazen-Williams C	Minor Loss Coefficient	Control Status	Discharge (gpm)	Pressure Pipe Headloss (ft)
P-925	141.00	12.0	PVC	150.0	0.00	Open	49.94	0.00
P-926	49.00	12.0	PVC	150.0	0.00	Open	49.94	0.00
P-927	28.00	12.0	PVC	150.0	0.00	Open	30.92	0.00
P-928	40.00	12.0	PVC	150.0	0.00	Open	12.66	0.00
P-929	192.00	12.0	PVC	150.0	0.00	Open	12.66	0.00
P-930	33.00	12.0	PVC	150.0	0.00	Open	12.66	0.00
P-931	540.00	12.0	PVC	150.0	0.00	Open	12.66	0.00
P-932	22.00	12.0	PVC	150.0	0.00	Open	12.66	0.00
P-933	380.00	12.0	PVC	150.0	0.00	Open	12.66	0.00
P-934	130.00	12.0	Steel	100.0	0.00	Open	12.66	0.00
P-935	354.00	12.0	D. I.	130.0	0.00	Open	-1,979.57	3.18
P-936	251.00	12.0	HDPE	150.0	0.00	Open	-302.12	0.05
P-937	22.00	4.0	Asbestos Cement	140.0	0.00	Open	-6.36	0.00
P-938	25.00	4.0	Asbestos Cement	140.0	0.00	Open	-1.88	0.00
P-939	20.00	6.0	PVC	150.0	0.00	Open	22.49	0.00
P-940	13.00	8.0	Asbestos Cement	140.0	0.00	Open	20.14	0.00
P-941	23.00	6.0	Asbestos Cement	140.0	0.00	Open	165.68	0.05
P-942	39.00	8.0	Asbestos Cement	140.0	0.00	Open	-44.18	0.00
P-943	25.00	6.0	Asbestos Cement	140.0	0.00	Open	1,096.01	1.92
P-944	37.00	6.0	Asbestos Cement	140.0	0.00	Open	786.48	1.53
P-945	424.00	1.5	PVC	150.0	0.00	Open	5.52	1.36
P-946	30.00	8.0	PVC	150.0	0.00	Open	116.21	0.01
P-947	40.00	6.0	PVC	150.0	0.00	Open	-3.14	0.00
P-948	43.00	6.0	PVC	150.0	0.00	Open	-1.05	0.00
P-949	27.00	6.0	Asbestos Cement	140.0	0.00	Open	-19.11	0.00
P-950	587.00	4.0	Steel	100.0	0.00	Open	-6.64	0.05
P-951	88.00	8.0	PVC	150.0	0.00	Open	-10.52	0.00
P-952	112.00	12.0	PVC	141.0	0.00	Open	-7.77	0.00
P-953	52.00	8.0	Asbestos Cement	140.0	0.00	Open	467.36	0.20
P-954	357.00	8.0	Asbestos Cement	140.0	0.00	Open	467.36	1.39
P-956	30.00	12.0	PVC	150.0	0.00	Open	-283.15	0.01
P-957	22.00	12.0	PVC	150.0	0.00	Open	-218.68	0.00
P-958	1,242.00	12.0	Steel	100.0	0.00	Open	12.66	0.00
P-959	4,418.00	12.0	Steel	100.0	0.00	Open	11.45	0.00
P-960	1,100.00	12.0	Steel	100.0	0.00	Open	5.42	0.00
P-961	427.00	12.0	Steel	100.0	0.00	Open	3.01	0.00
P-962	252.00	12.0	Steel	100.0	0.00	Open	0.00	0.00
P-963	50.00	12.0	Steel	100.0	0.00	Open	0.00	0.00

SCENARIO 3

ADD

Scenario Summary Report

Scenario: 3. Average Day Demand with Full Reservoirs

Scenario Summary

Active Topology Alternative	Base-Active Topology
Physical Alternative	Base-Physical
Demand Alternative	Average Daily Demand
Initial Settings Alternative	Base-Initial Settings
Operational Alternative	Base-Operational
Age Alternative	Base-Age Alternative
Constituent Alternative	Base-Constituent
Trace Alternative	Base-Trace Alternative
Fire Flow Alternative	Base-Fire Flow
Capital Cost Alternative	Base-Capital Cost
Energy Cost Alternative	Base-Energy Cost
User Data Alternative	Base-User Data

Hydraulic Analysis Summary

Analysis	Steady State
Friction Method	Hazen-Williams Formula
Accuracy	0.001000
Trials	40

Quality Analysis Summary

Analysis	Constituent	Quality Time Step	N/A hr
Age Tolerance	0.01 hr	Constituent Tolerance	0.01 mg/l
Trace Tolerance	1.0 %		

Global Adjustments

Demand Operation	<None>	Roughness Operation	<None>
Demand	0.00	Roughness	0.00

Tank

Scenario: 3. Average Day Demand with Full Reservoirs
Steady State Analysis
Tank Report

Label	Zone	Base Elevation (ft)	Minimum Elevation (ft)	Initial HGL (ft)	Maximum Elevation (ft)	Inactive Volume (gal)	Tank Diameter (ft)	Inflow (gpm)	Current Status
T-1	Reservoir Zone	1,754.62	1,754.62	1,794.62	1,796.62	0.00	90.00	-408.66	Draining
T-2	Reservoir Zone	1,749.62	1,749.62	1,794.62	1,796.62	0.00	28.00	-182.12	Draining

Node

Scenario: 3. Average Day Demand with Full Reservoirs
Steady State Analysis
Junction Report

Label	Elevation (ft)	Zone	Type	Base Flow (gpm)	Pattern	Demand (Calculated) (gpm)	Calculated Hydraulic Grade (ft)	Pressure (psi)
H-1	1,561.00	Zone - 2	Demand	2.09	Fixed	2.09	1,794.18	100.89
H-6	1,560.00	Zone - 2	Demand	0.00	Fixed	0.00	1,794.18	101.32
H-16	1,579.00	Zone - 2	Demand	0.00	Fixed	0.00	1,794.18	93.10
H-25	1,578.00	Zone - 2	Demand	0.00	Fixed	0.00	1,794.18	93.53
H-35	1,575.00	Zone - 2	Demand	0.00	Fixed	0.00	1,794.19	94.83
H-40	1,568.00	Zone - 2	Demand	0.00	Fixed	0.00	1,794.19	97.86
H-43	1,576.00	Zone - 2	Demand	0.00	Fixed	0.00	1,794.20	94.40
H-44	1,584.00	Zone - 2	Demand	0.00	Fixed	0.00	1,794.20	90.95
H-45	1,586.00	Zone - 2	Demand	0.00	Fixed	0.00	1,794.21	90.08
H-48	1,588.00	Zone - 2	Demand	0.00	Fixed	0.00	1,794.21	89.22
H-49	1,588.80	Zone - 2	Demand	0.00	Fixed	0.00	1,794.21	88.87
H-50	1,594.60	Zone - 2	Demand	0.00	Fixed	0.00	1,794.22	86.36
H-54	1,591.00	Zone - 2	Demand	0.00	Fixed	0.00	1,794.21	87.92
H-56	1,595.90	Zone - 2	Demand	0.00	Fixed	0.00	1,794.22	85.80
H-63	1,587.80	Zone - 2	Demand	0.00	Fixed	0.00	1,794.21	89.30
H-64	1,580.00	Zone - 2	Demand	0.00	Fixed	0.00	1,794.20	92.67
H-70	1,579.40	Zone - 2	Demand	0.00	Fixed	0.00	1,794.20	92.93
H-73	1,582.00	Zone - 2	Demand	0.00	Fixed	0.00	1,794.20	91.81
H-74	1,585.00	Zone - 2	Demand	0.00	Fixed	0.00	1,794.21	90.51
H-84	1,587.60	Zone - 2	Demand	0.00	Fixed	0.00	1,794.21	89.39
H-92	1,583.00	Zone - 2	Demand	0.00	Fixed	0.00	1,794.22	91.38
H-94	1,582.00	Zone - 2	Demand	0.00	Fixed	0.00	1,794.22	91.82
H-95	1,592.80	Zone - 2	Demand	0.00	Fixed	0.00	1,794.22	87.14
H-107	1,591.50	Zone - 2	Demand	0.00	Fixed	0.00	1,794.22	87.71
H-112	1,608.10	Zone - 2	Demand	0.00	Fixed	0.00	1,794.23	80.53
H-118	1,599.80	Zone - 2	Demand	0.00	Fixed	0.00	1,794.23	84.12
H-122	1,598.50	Zone - 2	Demand	0.00	Fixed	0.00	1,794.23	84.68
H-136	1,600.50	Zone - 2	Demand	0.00	Fixed	0.00	1,794.24	83.82
H-145	1,602.80	Zone - 2	Demand	0.00	Fixed	0.00	1,794.24	82.83
H-148	1,602.00	Zone - 2	Demand	0.00	Fixed	0.00	1,794.24	83.17
H-149	1,595.40	Zone - 2	Demand	0.00	Fixed	0.00	1,794.23	86.02
H-154	1,604.50	Zone - 2	Demand	0.00	Fixed	0.00	1,794.24	82.09
H-158	1,610.00	Zone - 2	Demand	0.00	Fixed	0.00	1,794.24	79.71
H-162	1,612.80	Zone - 2	Demand	0.00	Fixed	0.00	1,794.24	78.50
H-180	1,615.90	Zone - 2	Demand	0.00	Fixed	0.00	1,794.27	77.17
H-185	1,613.90	Zone - 2	Demand	0.00	Fixed	0.00	1,794.29	78.05
H-189	1,620.60	Zone - 2	Demand	0.00	Fixed	0.00	1,794.26	75.13
H-192	1,624.80	Zone - 6	Demand	0.00	Fixed	0.00	1,794.25	73.31
H-198	1,617.70	Zone - 2	Demand	0.00	Fixed	0.00	1,794.29	76.40
H-201	1,612.40	Zone - 2	Demand	0.00	Fixed	0.00	1,794.30	78.70
H-208	1,612.20	Zone - 2	Demand	0.00	Fixed	0.00	1,794.31	78.79
H-214	1,612.40	Zone - 2	Demand	0.00	Fixed	0.00	1,794.31	78.70
H-218	1,612.40	Zone - 2	Demand	0.00	Fixed	0.00	1,794.31	78.71
H-219	1,609.30	Zone - 2	Demand	0.00	Fixed	0.00	1,794.31	80.05
H-229	1,603.80	Zone - 2	Demand	0.00	Fixed	0.00	1,794.32	82.43
H-230	1,603.50	Zone - 2	Demand	0.00	Fixed	0.00	1,794.32	82.56
H-242	1,599.00	Zone - 2	Demand	0.00	Fixed	0.00	1,794.34	84.51
H-254	1,599.00	Zone - 2	Demand	0.00	Fixed	0.00	1,794.34	84.52
H-261	1,603.90	Zone - 2	Demand	0.00	Fixed	0.00	1,794.36	82.40
H-263	1,607.30	Zone - 2	Demand	0.00	Fixed	0.00	1,794.40	80.95
H-266	1,609.60	Zone - 2	Demand	0.00	Fixed	0.00	1,794.41	79.96

Scenario: 3. Average Day Demand with Full Reservoirs
Steady State Analysis
Junction Report

Label	Elevation (ft)	Zone	Type	Base Flow (gpm)	Pattern	Demand (Calculated) (gpm)	Calculated Hydraulic Grade (ft)	Pressure (psi)
H-271	1,607.00	Zone - 2	Demand	0.00	Fixed	0.00	1,794.34	81.05
H-278	1,605.20	Zone - 2	Demand	0.00	Fixed	0.00	1,794.33	81.83
H-285	1,673.30	Zone - 2	Demand	0.00	Fixed	0.00	1,794.51	52.44
H-286	1,654.00	Zone - 2	Demand	0.00	Fixed	0.00	1,794.52	60.80
H-287	1,640.00	Zone - 2	Demand	0.00	Fixed	0.00	1,794.53	66.86
H-291	1,715.00	Zone - 5	Demand	0.00	Fixed	0.00	1,794.55	34.42
H-292	1,724.40	Zone - 5	Demand	0.00	Fixed	0.00	1,794.56	30.36
H-305	1,613.50	Zone - 2	Demand	0.00	Fixed	0.00	1,794.34	78.24
H-312	1,609.80	Zone - 2	Demand	0.00	Fixed	0.00	1,794.32	79.83
H-317	1,616.70	Zone - 2	Demand	0.00	Fixed	0.00	1,794.30	76.84
H-322	1,615.90	Zone - 2	Demand	0.00	Fixed	0.00	1,794.31	77.19
H-327	1,615.10	Zone - 2	Demand	0.00	Fixed	0.00	1,794.31	77.54
H-333	1,613.60	Zone - 2	Demand	0.00	Fixed	0.00	1,794.31	78.19
H-335	1,605.70	Zone - 2	Demand	0.00	Fixed	0.00	1,794.32	81.60
H-344	1,603.50	Zone - 2	Demand	0.00	Fixed	0.00	1,794.32	82.56
H-353	1,605.40	Zone - 2	Demand	0.00	Fixed	0.00	1,794.32	81.74
H-359	1,609.30	Zone - 2	Demand	0.00	Fixed	0.00	1,794.32	80.05
H-366	1,608.90	Zone - 2	Demand	0.00	Fixed	0.00	1,794.32	80.22
H-373	1,609.60	Zone - 2	Demand	0.00	Fixed	0.00	1,794.32	79.92
H-377	1,614.50	Zone - 2	Demand	0.00	Fixed	0.00	1,794.32	77.80
H-384	1,616.30	Zone - 2	Demand	0.00	Fixed	0.00	1,794.32	77.02
H-391	1,614.20	Zone - 2	Demand	0.00	Fixed	0.00	1,794.32	77.93
H-393	1,615.00	Zone - 2	Demand	0.00	Fixed	0.00	1,794.32	77.58
H-398	1,617.00	Zone - 2	Demand	0.00	Fixed	0.00	1,794.32	76.72
H-400	1,613.60	Zone - 2	Demand	0.00	Fixed	0.00	1,794.32	78.19
H-401	1,616.90	Zone - 2	Demand	0.00	Fixed	0.00	1,794.31	76.76
H-416	1,620.60	Zone - 2	Demand	0.00	Fixed	0.00	1,794.31	75.16
H-424	1,621.60	Zone - 2	Demand	0.00	Fixed	0.00	1,794.30	74.72
H-425	1,622.80	Zone - 2	Demand	0.00	Fixed	0.00	1,794.30	74.20
H-433	1,627.50	Zone - 2	Demand	0.00	Fixed	0.00	1,794.30	72.16
H-434	1,629.70	Zone - 2	Demand	0.00	Fixed	0.00	1,794.29	71.21
H-435	1,631.90	Zone - 2	Demand	0.00	Fixed	0.00	1,794.28	70.26
H-443	1,634.50	Zone - 2	Demand	0.00	Fixed	0.00	1,794.28	69.13
H-445	1,637.30	Zone - 2	Demand	0.00	Fixed	0.00	1,794.27	67.91
H-464	1,642.00	Zone - 2	Demand	0.00	Fixed	0.00	1,794.27	65.88
H-465	1,646.98	Zone - 2	Demand	0.00	Fixed	0.00	1,794.26	63.72
H-471	1,645.20	Zone - 2	Demand	0.00	Fixed	0.00	1,794.26	64.49
H-489	1,650.50	Zone - 2	Demand	0.00	Fixed	0.00	1,794.26	62.20
H-498	1,670.10	Zone - 2	Demand	0.00	Fixed	0.00	1,794.26	53.72
H-500	1,664.30	Zone - 2	Demand	0.00	Fixed	0.00	1,794.26	56.23
H-509	1,659.50	Zone - 2	Demand	0.00	Fixed	0.00	1,794.26	58.31
H-510	1,658.00	Zone - 2	Demand	0.00	Fixed	0.00	1,794.26	58.95
H-514	1,653.60	Zone - 2	Demand	0.00	Fixed	0.00	1,794.26	60.86
H-522	1,650.40	Zone - 2	Demand	0.00	Fixed	0.00	1,794.26	62.24
H-527	1,647.00	Zone - 2	Demand	0.00	Fixed	0.00	1,794.27	63.71
H-533	1,644.40	Zone - 2	Demand	0.00	Fixed	0.00	1,794.27	64.84
H-534	1,643.10	Zone - 2	Demand	0.00	Fixed	0.00	1,794.27	65.40
H-539	1,641.40	Zone - 2	Demand	0.00	Fixed	0.00	1,794.27	66.14
H-546	1,640.10	Zone - 2	Demand	0.00	Fixed	0.00	1,794.28	66.70
H-550	1,638.20	Zone - 2	Demand	0.00	Fixed	0.00	1,794.28	67.53
H-568	1,631.00	Zone - 2	Demand	0.00	Fixed	0.00	1,794.30	70.65

Scenario: 3. Average Day Demand with Full Reservoirs
Steady State Analysis
Junction Report

Label	Elevation (ft)	Zone	Type	Base Flow (gpm)	Pattern	Demand (Calculated) (gpm)	Calculated Hydraulic Grade (ft)	Pressure (psi)
H-577	1,626.90	Zone - 2	Demand	0.00	Fixed	0.00	1,794.31	72.43
H-585	1,623.40	Zone - 2	Demand	0.00	Fixed	0.00	1,794.32	73.95
H-589	1,621.70	Zone - 2	Demand	0.00	Fixed	0.00	1,794.32	74.69
H-594	1,619.00	Zone - 2	Demand	0.00	Fixed	0.00	1,794.32	75.85
H-602	1,621.90	Zone - 2	Demand	0.00	Fixed	0.00	1,794.32	74.60
H-603	1,621.90	Zone - 2	Demand	0.00	Fixed	0.00	1,794.32	74.60
H-606	1,622.20	Zone - 2	Demand	0.00	Fixed	0.00	1,794.32	74.47
H-608	1,617.00	Zone - 2	Demand	0.00	Fixed	0.00	1,794.32	76.72
H-619	1,621.15	Zone - 2	Demand	0.00	Fixed	0.00	1,794.32	74.92
H-621	1,629.61	Zone - 2	Demand	0.00	Fixed	0.00	1,794.31	71.26
H-625	1,629.70	Zone - 2	Demand	0.00	Fixed	0.00	1,794.31	71.22
H-626	1,629.70	Zone - 2	Demand	0.00	Fixed	0.00	1,794.31	71.22
H-637	1,630.90	Zone - 2	Demand	0.00	Fixed	0.00	1,794.32	70.70
H-642	1,631.70	Zone - 2	Demand	0.00	Fixed	0.00	1,794.31	70.36
H-645	1,632.00	Zone - 2	Demand	0.00	Fixed	0.00	1,794.31	70.23
H-657	1,634.20	Zone - 2	Demand	0.00	Fixed	0.00	1,794.31	69.27
H-664	1,638.20	Zone - 2	Demand	0.00	Fixed	0.00	1,794.31	67.54
H-667	1,637.90	Zone - 2	Demand	0.00	Fixed	0.00	1,794.31	67.67
H-670	1,649.50	Zone - 2	Demand	0.00	Fixed	0.00	1,794.32	62.65
H-674	1,639.60	Zone - 2	Demand	0.00	Fixed	0.00	1,794.32	66.94
H-690	1,637.60	Zone - 2	Demand	0.00	Fixed	0.00	1,794.38	67.83
H-691	1,646.80	Zone - 2	Demand	0.00	Fixed	0.00	1,794.36	63.84
H-701	1,663.60	Zone - 2	Demand	0.00	Fixed	0.00	1,794.39	56.58
H-708	1,745.60	Zone - 1	Demand	0.00	Fixed	0.00	1,794.56	21.18
H-720	1,712.70	Zone - 1	Demand	0.00	Fixed	0.00	1,794.48	35.38
H-727	1,694.70	Zone - 2	Demand	0.00	Fixed	0.00	1,794.41	43.14
H-733	1,685.40	Zone - 1	Demand	0.00	Fixed	0.00	1,794.41	47.16
H-737	1,683.50	Zone - 1	Demand	0.00	Fixed	0.00	1,794.45	48.00
H-743	1,666.10	Zone - 2	Demand	0.00	Fixed	0.00	1,794.40	55.51
H-748	1,655.50	Zone - 2	Demand	0.00	Fixed	0.00	1,794.39	60.09
H-749	1,655.10	Zone - 2	Demand	0.00	Fixed	0.00	1,794.39	60.26
H-754	1,684.90	Zone - 1	Demand	0.00	Fixed	0.00	1,794.39	47.37
H-763	1,673.20	Zone - 2	Demand	0.00	Fixed	0.00	1,794.35	52.41
H-764	1,657.00	Zone - 2	Demand	0.00	Fixed	0.00	1,794.33	59.42
H-768	1,651.20	Zone - 2	Demand	0.00	Fixed	0.00	1,794.32	61.92
H-769	1,639.40	Zone - 2	Demand	0.00	Fixed	0.00	1,794.30	67.02
H-774	1,634.40	Zone - 2	Demand	0.00	Fixed	0.00	1,794.30	69.18
H-780	1,634.40	Zone - 2	Demand	0.00	Fixed	0.00	1,794.30	69.18
H-785	1,638.40	Zone - 2	Demand	0.00	Fixed	0.00	1,794.29	67.45
H-788	1,638.80	Zone - 2	Demand	0.00	Fixed	0.00	1,794.29	67.27
H-796	1,646.80	Zone - 2	Demand	0.00	Fixed	0.00	1,794.28	63.81
H-799	1,656.60	Zone - 2	Demand	0.00	Fixed	0.00	1,794.28	59.57
H-800	1,650.70	Zone - 2	Demand	0.00	Fixed	0.00	1,794.28	62.12
H-817	1,645.00	Zone - 2	Demand	0.00	Fixed	0.00	1,794.27	64.58
H-829	1,653.70	Zone - 2	Demand	0.00	Fixed	0.00	1,794.26	60.81
H-833	1,659.70	Zone - 2	Demand	0.00	Fixed	0.00	1,794.26	58.22
H-837	1,661.10	Zone - 2	Demand	0.00	Fixed	0.00	1,794.26	57.61
H-838	1,666.70	Zone - 2	Demand	0.00	Fixed	0.00	1,794.26	55.19
H-843	1,603.70	Zone - 2	Demand	0.00	Fixed	0.00	1,794.34	82.48
H-845	1,599.40	Zone - 2	Demand	0.00	Fixed	0.00	1,794.33	84.34
H-847	1,582.00	Zone - 2	Demand	0.00	Fixed	0.00	1,794.20	91.81

Scenario: 3. Average Day Demand with Full Reservoirs
Steady State Analysis
Junction Report

Label	Elevation (ft)	Zone	Type	Base Flow (gpm)	Pattern	Demand (Calculated) (gpm)	Calculated Hydraulic Grade (ft)	Pressure (psi)
H-848	1,594.20	Zone - 2	Demand	0.00	Fixed	0.00	1,794.22	86.54
H-850	1,621.60	Zone - 2	Demand	0.00	Fixed	0.00	1,794.30	74.72
H-862	1,745.00	Zone - 4	Demand	0.00	Fixed	0.00	1,794.26	21.31
J-2	1,563.00	Zone - 2	Demand	2.09	Fixed	2.09	1,794.18	100.02
J-3	1,560.00	Zone - 2	Demand	2.09	Fixed	2.09	1,794.18	101.32
J-4	1,561.00	Zone - 2	Demand	2.09	Fixed	2.09	1,794.18	100.89
J-5	1,557.00	Zone - 2	Demand	2.09	Fixed	2.09	1,794.17	102.61
J-7	1,569.00	Zone - 2	Demand	2.09	Fixed	2.09	1,794.17	97.42
J-8	1,573.80	Zone - 2	Demand	2.09	Fixed	2.09	1,794.18	95.35
J-12	1,563.00	Zone - 2	Demand	2.09	Fixed	2.09	1,794.17	100.01
J-13	1,571.10	Zone - 2	Demand	2.09	Fixed	2.09	1,794.17	96.51
J-15	1,573.80	Zone - 2	Demand	2.09	Fixed	2.09	1,794.18	95.35
J-17	1,575.60	Zone - 2	Demand	2.09	Fixed	2.09	1,794.18	94.57
J-19	1,573.00	Zone - 2	Demand	2.09	Fixed	2.09	1,794.18	95.69
J-22	1,573.00	Zone - 2	Demand	2.09	Fixed	2.09	1,794.18	95.69
J-23	1,573.00	Zone - 2	Demand	2.09	Fixed	2.09	1,794.18	95.69
J-24	1,569.00	Zone - 2	Demand	2.09	Fixed	2.09	1,793.99	97.34
J-26	1,578.00	Zone - 2	Demand	2.09	Fixed	2.09	1,794.18	93.53
J-28	1,577.00	Zone - 2	Demand	2.09	Fixed	2.09	1,794.18	93.97
J-31	1,579.00	Zone - 2	Demand	2.09	Fixed	2.09	1,794.18	93.10
J-33	1,576.00	Zone - 2	Demand	2.09	Fixed	2.09	1,794.19	94.40
J-34	1,568.00	Zone - 2	Demand	2.09	Fixed	2.09	1,794.18	97.86
J-37	1,574.00	Zone - 2	Demand	2.09	Fixed	2.09	1,794.19	95.26
J-39	1,568.00	Zone - 2	Demand	2.09	Fixed	2.09	1,794.19	97.86
J-41	1,571.00	Zone - 2	Demand	2.09	Fixed	2.09	1,794.19	96.56
J-42	1,565.00	Zone - 2	Demand	2.09	Fixed	2.09	1,794.19	99.16
J-46	1,585.00	Zone - 2	Demand	2.09	Fixed	2.09	1,794.21	90.52
J-52	1,591.00	Zone - 2	Demand	2.09	Fixed	2.09	1,794.21	87.92
J-57	1,595.90	Zone - 2	Demand	4.66	Fixed	4.66	1,794.22	85.80
J-59	1,589.50	Zone - 2	Demand	2.09	Fixed	2.09	1,794.21	88.57
J-60	1,589.50	Zone - 2	Demand	2.09	Fixed	2.09	1,794.21	88.57
J-69	1,581.00	Zone - 2	Demand	2.09	Fixed	2.09	1,794.20	92.24
J-75	1,585.00	Zone - 2	Demand	2.09	Fixed	2.09	1,794.21	90.51
J-81	1,590.00	Zone - 2	Demand	2.09	Fixed	2.09	1,794.21	88.35
J-82	1,590.00	Zone - 2	Demand	2.09	Fixed	2.09	1,794.21	88.35
J-85	1,588.00	Zone - 2	Demand	2.09	Fixed	2.09	1,794.21	89.22
J-87	1,588.00	Zone - 2	Demand	2.09	Fixed	2.09	1,794.21	89.22
J-89	1,592.80	Zone - 2	Demand	2.09	Fixed	2.09	1,794.22	87.14
J-98	1,594.20	Zone - 2	Demand	2.09	Fixed	2.09	1,794.22	86.54
J-103	1,592.50	Zone - 2	Demand	2.09	Fixed	2.09	1,794.22	87.28
J-108	1,597.00	Zone - 2	Demand	2.09	Fixed	2.09	1,794.22	85.33
J-111	1,607.70	Zone - 2	Demand	2.09	Fixed	2.09	1,794.23	80.70
J-115	1,603.50	Zone - 2	Demand	2.09	Fixed	2.09	1,794.23	82.52
J-116	1,599.80	Zone - 2	Demand	2.09	Fixed	2.09	1,794.23	84.12
J-119	1,599.80	Zone - 2	Demand	2.09	Fixed	2.09	1,794.23	84.12
J-125	1,598.50	Zone - 2	Demand	2.09	Fixed	2.09	1,794.23	84.68
J-128	1,598.50	Zone - 2	Demand	2.09	Fixed	2.09	1,794.23	84.68
J-129	1,595.70	Zone - 2	Demand	2.09	Fixed	2.09	1,794.23	85.89
J-132	1,600.50	Zone - 2	Demand	2.09	Fixed	2.09	1,794.24	83.82
J-138	1,601.20	Zone - 2	Demand	2.09	Fixed	2.09	1,794.25	83.52
J-141	1,602.80	Zone - 2	Demand	2.09	Fixed	2.09	1,794.25	82.83

Scenario: 3. Average Day Demand with Full Reservoirs
Steady State Analysis
Junction Report

Label	Elevation (ft)	Zone	Type	Base Flow (gpm)	Pattern	Demand (Calculated) (gpm)	Calculated Hydraulic Grade (ft)	Pressure (psi)
J-147	1,602.00	Zone - 2	Demand	2.09	Fixed	2.09	1,794.24	83.17
J-153	1,604.50	Zone - 2	Demand	2.09	Fixed	2.09	1,794.24	82.09
J-155	1,605.80	Zone - 2	Demand	2.09	Fixed	2.09	1,794.24	81.53
J-157	1,610.00	Zone - 2	Demand	2.09	Fixed	2.09	1,794.24	79.71
J-160	1,612.80	Zone - 2	Demand	2.09	Fixed	2.09	1,794.24	78.50
J-164	1,614.90	Zone - 2	Demand	2.09	Fixed	2.09	1,794.24	77.59
J-166	1,614.40	Zone - 2	Demand	3.15	Fixed	3.15	1,794.24	77.81
J-168	1,620.00	Zone - 2	Demand	2.09	Fixed	2.09	1,794.26	75.39
J-171	1,641.20	Zone - 2	Demand	2.09	Fixed	2.09	1,794.26	66.22
J-175	1,615.90	Zone - 2	Demand	2.09	Fixed	2.09	1,794.27	77.17
J-179	1,615.90	Zone - 2	Demand	2.09	Fixed	2.09	1,794.27	77.17
J-183	1,613.90	Zone - 2	Demand	2.09	Fixed	2.09	1,794.29	78.05
J-187	1,619.80	Zone - 2	Demand	9.77	Fixed	9.77	1,794.27	75.48
J-190	1,623.10	Zone - 6	Demand	2.09	Fixed	2.09	1,794.25	74.05
J-191	1,622.40	Zone - 6	Demand	3.08	Fixed	3.08	1,794.25	74.35
J-193	1,628.10	Zone - 6	Demand	2.09	Fixed	2.09	1,794.21	71.87
J-194	1,628.20	Zone - 6	Demand	2.09	Fixed	2.09	1,794.21	71.83
J-195	1,630.30	Zone - 6	Demand	7.18	Fixed	7.18	1,792.61	70.23
J-199	1,617.70	Zone - 2	Demand	2.02	Fixed	2.02	1,794.29	76.40
J-202	1,612.40	Zone - 2	Demand	2.09	Fixed	2.09	1,794.30	78.70
J-205	1,611.70	Zone - 2	Demand	2.09	Fixed	2.09	1,794.30	79.00
J-209	1,612.20	Zone - 2	Demand	2.09	Fixed	2.09	1,794.31	78.79
J-213	1,612.40	Zone - 2	Demand	2.09	Fixed	2.09	1,794.31	78.70
J-221	1,609.30	Zone - 2	Demand	2.09	Fixed	2.09	1,794.31	80.05
J-224	1,607.40	Zone - 2	Demand	2.09	Fixed	2.09	1,794.27	80.85
J-225	1,603.80	Zone - 2	Demand	2.09	Fixed	2.09	1,794.32	82.43
J-232	1,603.50	Zone - 2	Demand	2.09	Fixed	2.09	1,794.32	82.56
J-236	1,599.40	Zone - 2	Demand	2.09	Fixed	2.09	1,794.33	84.34
J-238	1,599.40	Zone - 2	Demand	2.09	Fixed	2.09	1,794.33	84.34
J-239	1,599.40	Zone - 2	Demand	2.09	Fixed	2.09	1,794.33	84.34
J-241	1,594.40	Zone - 2	Demand	2.09	Fixed	2.09	1,794.33	86.50
J-244	1,599.00	Zone - 2	Demand	2.09	Fixed	2.09	1,794.34	84.51
J-247	1,599.00	Zone - 2	Demand	2.09	Fixed	2.09	1,794.34	84.51
J-250	1,594.00	Zone - 2	Demand	2.09	Fixed	2.09	1,794.32	86.67
J-251	1,593.00	Zone - 2	Demand	2.09	Fixed	2.09	1,794.31	87.10
J-253	1,635.00	Zone - 2	Demand	2.09	Fixed	2.09	1,794.07	68.82
J-256	1,603.90	Zone - 2	Demand	2.09	Fixed	2.09	1,794.36	82.40
J-258	1,603.90	Zone - 2	Demand	2.09	Fixed	2.09	1,794.36	82.40
J-262	1,607.30	Zone - 2	Demand	2.09	Fixed	2.09	1,794.40	80.95
J-265	1,645.00	Zone - 2	Demand	2.09	Fixed	2.09	1,794.45	64.66
J-268	1,609.60	Zone - 2	Demand	2.09	Fixed	2.09	1,794.37	79.94
J-273	1,607.00	Zone - 2	Demand	2.09	Fixed	2.09	1,794.34	81.05
J-276	1,605.70	Zone - 2	Demand	2.09	Fixed	2.09	1,794.33	81.61
J-280	1,605.20	Zone - 2	Demand	2.09	Fixed	2.09	1,794.33	81.83
J-282	1,673.30	Zone - 2	Demand	2.09	Fixed	2.09	1,794.51	52.44
J-289	1,715.00	Zone - 5	Demand	2.09	Fixed	2.09	1,794.54	34.41
J-294	1,726.80	Zone - 5	Demand	2.09	Fixed	2.09	1,794.58	29.32
J-297	1,679.60	Zone - 2	Demand	2.09	Fixed	2.09	1,794.49	49.71
J-299	1,644.70	Zone - 2	Demand	2.09	Fixed	2.09	1,794.39	64.76
J-301	1,613.50	Zone - 2	Demand	2.09	Fixed	2.09	1,794.33	78.24
J-308	1,609.80	Zone - 2	Demand	2.09	Fixed	2.09	1,794.32	79.83

Scenario: 3. Average Day Demand with Full Reservoirs
Steady State Analysis
Junction Report

Label	Elevation (ft)	Zone	Type	Base Flow (gpm)	Pattern	Demand (Calculated) (gpm)	Calculated Hydraulic Grade (ft)	Pressure (psi)
J-309	1,609.80	Zone - 2	Demand	2.09	Fixed	2.09	1,794.32	79.83
J-315	1,616.70	Zone - 2	Demand	2.09	Fixed	2.09	1,794.30	76.84
J-319	1,615.90	Zone - 2	Demand	2.09	Fixed	2.09	1,794.31	77.19
J-325	1,615.10	Zone - 2	Demand	2.09	Fixed	2.09	1,794.31	77.54
J-336	1,605.70	Zone - 2	Demand	2.09	Fixed	2.09	1,794.32	81.61
J-341	1,603.50	Zone - 2	Demand	2.09	Fixed	2.09	1,794.32	82.56
J-345	1,603.70	Zone - 2	Demand	2.09	Fixed	2.09	1,794.32	82.47
J-347	1,605.40	Zone - 2	Demand	2.09	Fixed	2.09	1,794.32	81.74
J-349	1,605.40	Zone - 2	Demand	2.09	Fixed	2.09	1,794.32	81.74
J-356	1,609.30	Zone - 2	Demand	2.09	Fixed	2.09	1,794.32	80.05
J-361	1,608.90	Zone - 2	Demand	2.09	Fixed	2.09	1,794.32	80.22
J-362	1,608.90	Zone - 2	Demand	2.09	Fixed	2.09	1,794.32	80.22
J-367	1,609.10	Zone - 2	Demand	2.09	Fixed	2.09	1,794.32	80.13
J-372	1,609.60	Zone - 2	Demand	2.09	Fixed	2.09	1,794.32	79.92
J-376	1,616.10	Zone - 2	Demand	2.09	Fixed	2.09	1,794.32	77.11
J-381	1,621.15	Zone - 2	Demand	2.09	Fixed	2.09	1,794.32	74.92
J-382	1,616.30	Zone - 2	Demand	2.09	Fixed	2.09	1,794.32	77.02
J-383	1,616.30	Zone - 2	Demand	2.09	Fixed	2.09	1,794.32	77.02
J-387	1,614.20	Zone - 2	Demand	2.09	Fixed	2.09	1,794.32	77.93
J-395	1,617.00	Zone - 2	Demand	2.09	Fixed	2.09	1,794.32	76.72
J-403	1,616.90	Zone - 2	Demand	2.09	Fixed	2.09	1,794.31	76.76
J-407	1,618.70	Zone - 2	Demand	2.09	Fixed	2.09	1,794.31	75.98
J-409	1,618.70	Zone - 2	Demand	2.09	Fixed	2.09	1,794.31	75.98
J-412	1,620.60	Zone - 2	Demand	2.09	Fixed	2.09	1,794.31	75.15
J-413	1,620.60	Zone - 2	Demand	2.09	Fixed	2.09	1,794.31	75.15
J-419	1,621.60	Zone - 2	Demand	2.09	Fixed	2.09	1,794.30	74.72
J-422	1,621.60	Zone - 2	Demand	2.09	Fixed	2.09	1,794.30	74.72
J-427	1,622.80	Zone - 2	Demand	3.04	Fixed	3.04	1,794.30	74.20
J-430	1,627.50	Zone - 2	Demand	2.09	Fixed	2.09	1,794.30	72.16
J-437	1,631.90	Zone - 2	Demand	2.09	Fixed	2.09	1,794.28	70.26
J-441	1,634.50	Zone - 2	Demand	2.09	Fixed	2.09	1,794.28	69.13
J-449	1,637.90	Zone - 2	Demand	2.09	Fixed	2.09	1,794.27	67.65
J-452	1,638.90	Zone - 2	Demand	2.09	Fixed	2.09	1,794.27	67.22
J-453	1,638.90	Zone - 2	Demand	2.09	Fixed	2.09	1,794.27	67.22
J-454	1,638.90	Zone - 2	Demand	2.09	Fixed	2.09	1,794.27	67.22
J-458	1,640.60	Zone - 2	Demand	2.09	Fixed	2.09	1,794.27	66.48
J-461	1,641.70	Zone - 2	Demand	3.49	Fixed	3.49	1,794.27	66.01
J-470	1,646.98	Zone - 2	Demand	2.09	Fixed	2.09	1,794.26	63.72
J-472	1,645.20	Zone - 2	Demand	2.09	Fixed	2.09	1,794.26	64.49
J-473	1,645.20	Zone - 2	Demand	2.09	Fixed	2.09	1,794.26	64.49
J-476	1,644.80	Zone - 2	Demand	4.68	Fixed	4.68	1,794.26	64.66
J-477	1,647.70	Zone - 2	Demand	2.09	Fixed	2.09	1,794.26	63.41
J-478	1,647.70	Zone - 2	Demand	2.09	Fixed	2.09	1,794.26	63.41
J-480	1,648.90	Zone - 2	Demand	2.09	Fixed	2.09	1,794.26	62.89
J-482	1,652.30	Zone - 2	Demand	2.09	Fixed	2.09	1,794.26	61.42
J-485	1,652.30	Zone - 2	Demand	2.09	Fixed	2.09	1,794.26	61.42
J-486	1,655.00	Zone - 2	Demand	2.09	Fixed	2.09	1,794.26	60.25
J-487	1,650.50	Zone - 2	Demand	2.09	Fixed	2.09	1,794.26	62.20
J-490	1,656.00	Zone - 2	Demand	2.09	Fixed	2.09	1,794.26	59.82
J-492	1,658.90	Zone - 2	Demand	2.09	Fixed	2.09	1,794.26	58.56
J-495	1,657.70	Zone - 2	Demand	2.09	Fixed	2.09	1,794.26	59.08

Scenario: 3. Average Day Demand with Full Reservoirs
Steady State Analysis
Junction Report

Label	Elevation (ft)	Zone	Type	Base Flow (gpm)	Pattern	Demand (Calculated) (gpm)	Calculated Hydraulic Grade (ft)	Pressure (psi)
J-503	1,661.50	Zone - 2	Demand	2.09	Fixed	2.09	1,794.26	57.44
J-520	1,650.60	Zone - 2	Demand	2.09	Fixed	2.09	1,794.26	62.16
J-524	1,649.40	Zone - 2	Demand	2.09	Fixed	2.09	1,794.26	62.68
J-529	1,644.40	Zone - 2	Demand	2.09	Fixed	2.09	1,794.27	64.84
J-536	1,643.10	Zone - 2	Demand	2.09	Fixed	2.09	1,794.27	65.40
J-542	1,641.40	Zone - 2	Demand	2.09	Fixed	2.09	1,794.27	66.14
J-543	1,641.40	Zone - 2	Demand	2.09	Fixed	2.09	1,794.27	66.14
J-547	1,640.10	Zone - 2	Demand	2.09	Fixed	2.09	1,794.28	66.71
J-555	1,638.20	Zone - 2	Demand	2.09	Fixed	2.09	1,794.28	67.53
J-558	1,636.20	Zone - 2	Demand	2.09	Fixed	2.09	1,794.29	68.40
J-559	1,634.60	Zone - 2	Demand	2.09	Fixed	2.09	1,794.29	69.09
J-563	1,634.20	Zone - 2	Demand	2.09	Fixed	2.09	1,794.30	69.27
J-567	1,633.50	Zone - 2	Demand	2.09	Fixed	2.09	1,794.30	69.57
J-570	1,631.00	Zone - 2	Demand	2.09	Fixed	2.09	1,794.30	70.65
J-573	1,629.80	Zone - 2	Demand	2.09	Fixed	2.09	1,794.30	71.17
J-581	1,624.10	Zone - 2	Demand	2.09	Fixed	2.09	1,794.32	73.65
J-582	1,624.10	Zone - 2	Demand	2.09	Fixed	2.09	1,794.32	73.65
J-593	1,619.00	Zone - 2	Demand	2.09	Fixed	2.09	1,794.32	75.85
J-597	1,621.90	Zone - 2	Demand	2.09	Fixed	2.09	1,794.33	74.60
J-601	1,621.90	Zone - 2	Demand	2.09	Fixed	2.09	1,794.32	74.60
J-604	1,622.20	Zone - 2	Demand	2.09	Fixed	2.09	1,794.32	74.47
J-610	1,618.70	Zone - 2	Demand	2.09	Fixed	2.09	1,794.32	75.98
J-612	1,618.70	Zone - 2	Demand	2.09	Fixed	2.09	1,794.32	75.98
J-615	1,619.30	Zone - 2	Demand	2.09	Fixed	2.09	1,794.32	75.72
J-618	1,619.90	Zone - 2	Demand	2.09	Fixed	2.09	1,794.26	75.44
J-624	1,629.70	Zone - 2	Demand	2.09	Fixed	2.09	1,794.31	71.22
J-627	1,629.70	Zone - 2	Demand	2.09	Fixed	2.09	1,794.31	71.22
J-633	1,625.60	Zone - 2	Demand	2.09	Fixed	2.09	1,794.32	73.00
J-634	1,625.60	Zone - 2	Demand	2.09	Fixed	2.09	1,794.32	73.00
J-635	1,625.80	Zone - 2	Demand	2.09	Fixed	2.09	1,794.31	72.91
J-638	1,630.90	Zone - 2	Demand	2.09	Fixed	2.09	1,794.32	70.70
J-640	1,631.70	Zone - 2	Demand	2.09	Fixed	2.09	1,794.31	70.36
J-646	1,632.00	Zone - 2	Demand	2.09	Fixed	2.09	1,794.31	70.22
J-648	1,632.00	Zone - 2	Demand	2.09	Fixed	2.09	1,794.31	70.22
J-651	1,632.70	Zone - 2	Demand	2.09	Fixed	2.09	1,794.31	69.92
J-655	1,634.20	Zone - 2	Demand	2.09	Fixed	2.09	1,794.31	69.27
J-658	1,635.60	Zone - 2	Demand	2.09	Fixed	2.09	1,794.31	68.67
J-659	1,635.60	Zone - 2	Demand	2.09	Fixed	2.09	1,794.31	68.67
J-665	1,638.20	Zone - 2	Demand	2.09	Fixed	2.09	1,794.31	67.54
J-669	1,641.40	Zone - 2	Demand	2.09	Fixed	2.09	1,794.31	66.16
J-673	1,664.00	Zone - 2	Demand	2.09	Fixed	2.09	1,794.32	56.38
J-675	1,632.30	Zone - 2	Demand	2.09	Fixed	2.09	1,794.32	70.10
J-677	1,631.60	Zone - 2	Demand	2.09	Fixed	2.09	1,794.32	70.40
J-680	1,632.30	Zone - 2	Demand	2.09	Fixed	2.09	1,794.33	70.10
J-681	1,645.80	Zone - 2	Demand	16.60	Fixed	16.60	1,794.37	64.28
J-683	1,637.60	Zone - 2	Demand	2.09	Fixed	2.09	1,794.35	67.82
J-685	1,637.60	Zone - 2	Demand	2.09	Fixed	2.09	1,794.36	67.82
J-692	1,646.80	Zone - 2	Demand	2.09	Fixed	2.09	1,794.38	63.85
J-696	1,655.20	Zone - 2	Demand	2.09	Fixed	2.09	1,794.37	60.21
J-697	1,656.80	Zone - 2	Demand	2.09	Fixed	2.09	1,794.38	59.53
J-700	1,657.20	Zone - 2	Demand	2.09	Fixed	2.09	1,794.38	59.35

Scenario: 3. Average Day Demand with Full Reservoirs
Steady State Analysis
Junction Report

Label	Elevation (ft)	Zone	Type	Base Flow (gpm)	Pattern	Demand (Calculated) (gpm)	Calculated Hydraulic Grade (ft)	Pressure (psi)
J-703	1,669.30	Zone - 2	Demand	2.09	Fixed	2.09	1,794.39	54.12
J-705	1,677.20	Zone - 2	Demand	2.09	Fixed	2.09	1,794.38	50.70
J-709	1,745.60	Zone - 1	Demand	2.09	Fixed	2.09	1,794.55	21.18
J-711	1,720.50	Zone - 1	Demand	2.09	Fixed	2.09	1,794.42	31.98
J-715	1,721.00	Zone - 1	Demand	2.09	Fixed	2.09	1,794.50	31.80
J-718	1,712.70	Zone - 1	Demand	2.09	Fixed	2.09	1,794.49	35.39
J-719	1,712.70	Zone - 1	Demand	2.09	Fixed	2.09	1,794.48	35.38
J-723	1,694.70	Zone - 2	Demand	2.09	Fixed	2.09	1,794.42	43.14
J-729	1,685.90	Zone - 1	Demand	2.09	Fixed	2.09	1,794.41	46.95
J-735	1,683.50	Zone - 1	Demand	2.09	Fixed	2.09	1,794.43	47.99
J-739	1,666.10	Zone - 2	Demand	2.09	Fixed	2.09	1,794.40	55.51
J-745	1,655.50	Zone - 2	Demand	2.09	Fixed	2.09	1,794.39	60.09
J-750	1,626.50	Zone - 2	Demand	2.56	Fixed	2.56	1,794.35	72.62
J-753	1,626.50	Zone - 2	Demand	2.09	Fixed	2.09	1,794.35	72.62
J-757	1,684.90	Zone - 1	Demand	2.09	Fixed	2.09	1,794.38	47.37
J-760	1,673.20	Zone - 2	Demand	2.09	Fixed	2.09	1,794.35	52.42
J-766	1,651.80	Zone - 2	Demand	2.09	Fixed	2.09	1,794.32	61.66
J-771	1,637.33	Zone - 2	Demand	2.09	Fixed	2.09	1,794.30	67.91
J-776	1,634.40	Zone - 2	Demand	2.09	Fixed	2.09	1,794.30	69.18
J-781	1,629.10	Zone - 2	Demand	2.09	Fixed	2.09	1,794.30	71.47
J-782	1,637.33	Zone - 2	Demand	2.74	Fixed	2.74	1,794.30	67.91
J-784	1,637.60	Zone - 2	Demand	2.09	Fixed	2.09	1,794.29	67.79
J-786	1,638.40	Zone - 2	Demand	3.22	Fixed	3.22	1,794.29	67.45
J-791	1,646.80	Zone - 2	Demand	2.09	Fixed	2.09	1,794.28	63.81
J-793	1,646.80	Zone - 2	Demand	2.09	Fixed	2.09	1,794.28	63.81
J-802	1,650.70	Zone - 2	Demand	2.09	Fixed	2.09	1,794.28	62.12
J-805	1,646.20	Zone - 2	Demand	2.09	Fixed	2.09	1,794.28	64.07
J-808	1,646.20	Zone - 2	Demand	2.09	Fixed	2.09	1,794.28	64.07
J-811	1,646.90	Zone - 2	Demand	2.09	Fixed	2.09	1,794.27	63.76
J-813	1,645.00	Zone - 2	Demand	2.09	Fixed	2.09	1,794.27	64.58
J-820	1,648.60	Zone - 2	Demand	2.09	Fixed	2.09	1,794.26	63.02
J-822	1,699.60	Zone - 3	Demand	30.15	Fixed	30.15	1,793.70	40.71
J-823	1,646.00	Zone - 2	Demand	2.09	Fixed	2.09	1,794.27	64.15
J-824	1,645.80	Zone - 2	Demand	2.09	Fixed	2.09	1,794.27	64.23
J-825	1,653.70	Zone - 2	Demand	2.09	Fixed	2.09	1,794.26	60.81
J-827	1,659.60	Zone - 2	Demand	2.09	Fixed	2.09	1,794.22	58.24
J-831	1,659.70	Zone - 2	Demand	2.09	Fixed	2.09	1,794.26	58.22
J-835	1,661.10	Zone - 2	Demand	2.09	Fixed	2.09	1,794.26	57.61
J-841	1,603.70	Zone - 2	Demand	2.09	Fixed	2.09	1,794.34	82.48
J-848	1,612.40	Zone - 2	Demand	2.09	Fixed	2.09	1,794.31	78.70
J-849	1,639.80	Zone - 2	Demand	2.09	Fixed	2.09	1,794.30	66.85
J-850	1,591.50	Zone - 2	Demand	2.09	Fixed	2.09	1,794.22	87.71
J-851	1,621.60	Zone - 2	Demand	2.09	Fixed	2.09	1,794.30	74.72
J-852	1,625.00	Zone - 2	Demand	2.09	Fixed	2.09	1,794.32	73.26
J-853	1,637.90	Zone - 2	Demand	3.37	Fixed	3.37	1,794.27	67.65
J-854	1,582.00	Zone - 2	Demand	2.09	Fixed	2.09	1,794.20	91.81
J-856	1,775.00	Zone - 4	Demand	0.00	Fixed	0.00	1,794.26	8.33
J-858	1,680.00	Zone - 4	Demand	0.39	Fixed	0.39	1,794.26	49.44
J-859	1,772.00	Zone - 4	Demand	1.93	Fixed	1.93	1,794.26	9.63
J-860	1,775.00	Zone - 4	Demand	0.77	Fixed	0.77	1,794.26	8.33
J-861	1,775.00	Zone - 4	Demand	0.97	Fixed	0.97	1,794.26	8.33

Scenario: 3. Average Day Demand with Full Reservoirs
Steady State Analysis
Junction Report

Label	Elevation (ft)	Zone	Type	Base Flow (gpm)	Pattern	Demand (Calculated) (gpm)	Calculated Hydraulic Grade (ft)	Pressure (psi)
V-9	1,573.80	Zone - 2	Demand	0.00	Fixed	0.00	1,794.18	95.35
V-10	1,573.80	Zone - 2	Demand	0.00	Fixed	0.00	1,794.18	95.35
V-11	1,561.00	Zone - 2	Demand	0.00	Fixed	0.00	1,794.18	100.89
V-14	1,571.10	Zone - 2	Demand	0.00	Fixed	0.00	1,794.17	96.51
V-18	1,575.60	Zone - 2	Demand	0.00	Fixed	0.00	1,794.18	94.57
V-20	1,573.00	Zone - 2	Demand	0.00	Fixed	0.00	1,794.18	95.69
V-21	1,573.00	Zone - 2	Demand	0.00	Fixed	0.00	1,794.18	95.69
V-27	1,577.00	Zone - 2	Demand	0.00	Fixed	0.00	1,794.18	93.97
V-29	1,578.00	Zone - 2	Demand	0.00	Fixed	0.00	1,794.18	93.53
V-30	1,577.00	Zone - 2	Demand	0.00	Fixed	0.00	1,794.18	93.97
V-32	1,577.00	Zone - 2	Demand	0.00	Fixed	0.00	1,794.18	93.97
V-36	1,573.50	Zone - 2	Demand	0.00	Fixed	0.00	1,794.19	95.48
V-38	1,573.50	Zone - 2	Demand	0.00	Fixed	0.00	1,794.19	95.48
V-47	1,585.00	Zone - 2	Demand	0.00	Fixed	0.00	1,794.21	90.52
V-51	1,591.00	Zone - 2	Demand	0.00	Fixed	0.00	1,794.21	87.92
V-53	1,591.00	Zone - 2	Demand	0.00	Fixed	0.00	1,794.21	87.92
V-55	1,595.90	Zone - 2	Demand	0.00	Fixed	0.00	1,794.22	85.80
V-58	1,595.90	Zone - 2	Demand	0.00	Fixed	0.00	1,794.22	85.80
V-61	1,589.50	Zone - 2	Demand	0.00	Fixed	0.00	1,794.21	88.57
V-62	1,589.50	Zone - 2	Demand	0.00	Fixed	0.00	1,794.21	88.57
V-65	1,580.00	Zone - 2	Demand	0.00	Fixed	0.00	1,794.20	92.67
V-66	1,581.00	Zone - 2	Demand	0.00	Fixed	0.00	1,794.20	92.24
V-67	1,581.00	Zone - 2	Demand	0.00	Fixed	0.00	1,794.20	92.24
V-68	1,581.00	Zone - 2	Demand	0.00	Fixed	0.00	1,794.20	92.24
V-71	1,579.40	Zone - 2	Demand	0.00	Fixed	0.00	1,794.20	92.93
V-72	1,582.00	Zone - 2	Demand	0.00	Fixed	0.00	1,794.20	91.81
V-76	1,585.00	Zone - 2	Demand	0.00	Fixed	0.00	1,794.21	90.51
V-77	1,587.50	Zone - 2	Demand	0.00	Fixed	0.00	1,794.21	89.43
V-78	1,590.00	Zone - 2	Demand	0.00	Fixed	0.00	1,794.21	88.35
V-79	1,590.00	Zone - 2	Demand	0.00	Fixed	0.00	1,794.21	88.35
V-80	1,590.00	Zone - 2	Demand	0.00	Fixed	0.00	1,794.21	88.35
V-83	1,590.00	Zone - 2	Demand	0.00	Fixed	0.00	1,794.21	88.35
V-86	1,588.00	Zone - 2	Demand	0.00	Fixed	0.00	1,794.21	89.22
V-88	1,592.80	Zone - 2	Demand	0.00	Fixed	0.00	1,794.22	87.14
V-90	1,592.80	Zone - 2	Demand	0.00	Fixed	0.00	1,794.22	87.14
V-91	1,592.80	Zone - 2	Demand	0.00	Fixed	0.00	1,794.22	87.14
V-93	1,583.00	Zone - 2	Demand	0.00	Fixed	0.00	1,794.22	91.38
V-96	1,597.00	Zone - 2	Demand	0.00	Fixed	0.00	1,794.22	85.33
V-97	1,594.20	Zone - 2	Demand	0.00	Fixed	0.00	1,794.22	86.54
V-99	1,594.20	Zone - 2	Demand	0.00	Fixed	0.00	1,794.22	86.54
V-100	1,594.20	Zone - 2	Demand	0.00	Fixed	0.00	1,794.22	86.54
V-101	1,594.20	Zone - 2	Demand	0.00	Fixed	0.00	1,794.22	86.54
V-102	1,592.50	Zone - 2	Demand	0.00	Fixed	0.00	1,794.22	87.28
V-104	1,591.50	Zone - 2	Demand	0.00	Fixed	0.00	1,794.22	87.71
V-105	1,592.50	Zone - 2	Demand	0.00	Fixed	0.00	1,794.23	87.28
V-106	1,591.50	Zone - 2	Demand	0.00	Fixed	0.00	1,794.22	87.71
V-109	1,597.00	Zone - 2	Demand	0.00	Fixed	0.00	1,794.22	85.33
V-110	1,597.00	Zone - 2	Demand	0.00	Fixed	0.00	1,794.22	85.33
V-113	1,607.70	Zone - 2	Demand	0.00	Fixed	0.00	1,794.23	80.70
V-114	1,603.60	Zone - 2	Demand	0.00	Fixed	0.00	1,794.23	82.48
V-117	1,599.80	Zone - 2	Demand	0.00	Fixed	0.00	1,794.23	84.12

Scenario: 3. Average Day Demand with Full Reservoirs
Steady State Analysis
Junction Report

Label	Elevation (ft)	Zone	Type	Base Flow (gpm)	Pattern	Demand (Calculated) (gpm)	Calculated Hydraulic Grade (ft)	Pressure (psi)
V-120	1,599.80	Zone - 2	Demand	0.00	Fixed	0.00	1,794.23	84.12
V-121	1,599.80	Zone - 2	Demand	0.00	Fixed	0.00	1,794.23	84.12
V-123	1,598.50	Zone - 2	Demand	0.00	Fixed	0.00	1,794.23	84.68
V-124	1,598.50	Zone - 2	Demand	0.00	Fixed	0.00	1,794.23	84.68
V-126	1,598.50	Zone - 2	Demand	0.00	Fixed	0.00	1,794.23	84.68
V-127	1,598.50	Zone - 2	Demand	0.00	Fixed	0.00	1,794.23	84.68
V-130	1,595.70	Zone - 2	Demand	0.00	Fixed	0.00	1,794.23	85.89
V-131	1,600.50	Zone - 2	Demand	0.00	Fixed	0.00	1,794.24	83.82
V-133	1,600.50	Zone - 2	Demand	0.00	Fixed	0.00	1,794.24	83.82
V-134	1,600.50	Zone - 2	Demand	0.00	Fixed	0.00	1,794.24	83.82
V-135	1,600.50	Zone - 2	Demand	0.00	Fixed	0.00	1,794.24	83.82
V-137	1,601.20	Zone - 2	Demand	0.00	Fixed	0.00	1,794.25	83.52
V-139	1,602.80	Zone - 2	Demand	0.00	Fixed	0.00	1,794.25	82.83
V-140	1,602.80	Zone - 2	Demand	0.00	Fixed	0.00	1,794.24	82.83
V-142	1,602.80	Zone - 2	Demand	0.00	Fixed	0.00	1,794.24	82.83
V-143	1,602.80	Zone - 2	Demand	0.00	Fixed	0.00	1,794.25	82.83
V-144	1,601.20	Zone - 2	Demand	0.00	Fixed	0.00	1,794.25	83.52
V-146	1,602.00	Zone - 2	Demand	0.00	Fixed	0.00	1,794.24	83.17
V-150	1,603.30	Zone - 2	Demand	0.00	Fixed	0.00	1,794.23	82.61
V-151	1,604.50	Zone - 2	Demand	0.00	Fixed	0.00	1,794.24	82.09
V-152	1,604.50	Zone - 2	Demand	0.00	Fixed	0.00	1,794.24	82.09
V-156	1,605.80	Zone - 2	Demand	0.00	Fixed	0.00	1,794.24	81.53
V-159	1,612.80	Zone - 2	Demand	0.00	Fixed	0.00	1,794.24	78.50
V-161	1,612.80	Zone - 2	Demand	0.00	Fixed	0.00	1,794.24	78.50
V-163	1,610.60	Zone - 2	Demand	0.00	Fixed	0.00	1,794.24	79.45
V-165	1,614.90	Zone - 2	Demand	0.00	Fixed	0.00	1,794.24	77.59
V-167	1,620.00	Zone - 2	Demand	0.00	Fixed	0.00	1,794.26	75.39
V-169	1,620.00	Zone - 2	Demand	0.00	Fixed	0.00	1,794.26	75.39
V-170	1,620.00	Zone - 2	Demand	0.00	Fixed	0.00	1,794.26	75.39
V-172	1,620.70	Zone - 2	Demand	0.00	Fixed	0.00	1,794.26	75.09
V-173	1,619.40	Zone - 2	Demand	0.00	Fixed	0.00	1,794.26	75.66
V-174	1,615.90	Zone - 2	Demand	0.00	Fixed	0.00	1,794.26	77.17
V-176	1,615.90	Zone - 2	Demand	0.00	Fixed	0.00	1,794.27	77.17
V-177	1,615.90	Zone - 2	Demand	0.00	Fixed	0.00	1,794.27	77.17
V-178	1,615.90	Zone - 2	Demand	0.00	Fixed	0.00	1,794.27	77.17
V-181	1,621.40	Zone - 2	Demand	0.00	Fixed	0.00	1,794.27	74.79
V-182	1,613.90	Zone - 2	Demand	0.00	Fixed	0.00	1,794.29	78.05
V-184	1,613.90	Zone - 2	Demand	0.00	Fixed	0.00	1,794.29	78.05
V-186	1,619.80	Zone - 2	Demand	0.00	Fixed	0.00	1,794.27	75.48
V-188	1,619.80	Zone - 2	Demand	0.00	Fixed	0.00	1,794.26	75.48
V-196	1,617.70	Zone - 2	Demand	0.00	Fixed	0.00	1,794.29	76.40
V-197	1,617.70	Zone - 2	Demand	0.00	Fixed	0.00	1,794.29	76.40
V-200	1,617.70	Zone - 2	Demand	0.00	Fixed	0.00	1,794.30	76.40
V-203	1,612.40	Zone - 2	Demand	0.00	Fixed	0.00	1,794.30	78.70
V-204	1,612.40	Zone - 2	Demand	0.00	Fixed	0.00	1,794.30	78.70
V-206	1,611.70	Zone - 2	Demand	0.00	Fixed	0.00	1,794.30	79.00
V-207	1,611.70	Zone - 2	Demand	0.00	Fixed	0.00	1,794.31	79.00
V-210	1,612.20	Zone - 2	Demand	0.00	Fixed	0.00	1,794.31	78.79
V-211	1,612.20	Zone - 2	Demand	0.00	Fixed	0.00	1,794.31	78.79
V-212	1,612.40	Zone - 2	Demand	0.00	Fixed	0.00	1,794.31	78.70
V-215	1,612.40	Zone - 2	Demand	0.00	Fixed	0.00	1,794.31	78.70

Scenario: 3. Average Day Demand with Full Reservoirs
Steady State Analysis
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Label	Elevation (ft)	Zone	Type	Base Flow (gpm)	Pattern	Demand (Calculated) (gpm)	Calculated Hydraulic Grade (ft)	Pressure (psi)
V-216	1,612.40	Zone - 2	Demand	0.00	Fixed	0.00	1,794.31	78.71
V-217	1,612.40	Zone - 2	Demand	0.00	Fixed	0.00	1,794.31	78.71
V-220	1,609.30	Zone - 2	Demand	0.00	Fixed	0.00	1,794.31	80.05
V-222	1,609.30	Zone - 2	Demand	0.00	Fixed	0.00	1,794.31	80.05
V-223	1,609.30	Zone - 2	Demand	0.00	Fixed	0.00	1,794.31	80.05
V-226	1,603.80	Zone - 2	Demand	0.00	Fixed	0.00	1,794.32	82.43
V-227	1,603.80	Zone - 2	Demand	0.00	Fixed	0.00	1,794.32	82.43
V-228	1,603.80	Zone - 2	Demand	0.00	Fixed	0.00	1,794.32	82.43
V-231	1,603.50	Zone - 2	Demand	0.00	Fixed	0.00	1,794.32	82.56
V-233	1,603.50	Zone - 2	Demand	0.00	Fixed	0.00	1,794.33	82.56
V-234	1,603.50	Zone - 2	Demand	0.00	Fixed	0.00	1,794.32	82.56
V-235	1,599.40	Zone - 2	Demand	0.00	Fixed	0.00	1,794.33	84.34
V-237	1,599.40	Zone - 2	Demand	0.00	Fixed	0.00	1,794.33	84.34
V-240	1,594.40	Zone - 2	Demand	0.00	Fixed	0.00	1,794.33	86.50
V-243	1,599.00	Zone - 2	Demand	0.00	Fixed	0.00	1,794.34	84.51
V-245	1,599.00	Zone - 2	Demand	0.00	Fixed	0.00	1,794.34	84.51
V-246	1,599.00	Zone - 2	Demand	0.00	Fixed	0.00	1,794.34	84.51
V-248	1,599.00	Zone - 2	Demand	0.00	Fixed	0.00	1,794.34	84.51
V-249	1,594.00	Zone - 2	Demand	0.00	Fixed	0.00	1,794.34	86.68
V-252	1,599.00	Zone - 2	Demand	0.00	Fixed	0.00	1,794.34	84.51
V-255	1,603.90	Zone - 2	Demand	0.00	Fixed	0.00	1,794.36	82.40
V-257	1,603.90	Zone - 2	Demand	0.00	Fixed	0.00	1,794.35	82.40
V-259	1,603.90	Zone - 2	Demand	0.00	Fixed	0.00	1,794.37	82.41
V-260	1,603.90	Zone - 2	Demand	0.00	Fixed	0.00	1,794.36	82.40
V-264	1,645.00	Zone - 2	Demand	0.00	Fixed	0.00	1,794.45	64.66
V-267	1,609.60	Zone - 2	Demand	0.00	Fixed	0.00	1,794.41	79.96
V-269	1,609.60	Zone - 2	Demand	0.00	Fixed	0.00	1,794.34	79.93
V-270	1,609.60	Zone - 2	Demand	0.00	Fixed	0.00	1,794.37	79.94
V-272	1,607.00	Zone - 2	Demand	0.00	Fixed	0.00	1,794.34	81.05
V-274	1,607.00	Zone - 2	Demand	0.00	Fixed	0.00	1,794.34	81.05
V-275	1,607.00	Zone - 2	Demand	0.00	Fixed	0.00	1,794.34	81.05
V-277	1,605.70	Zone - 2	Demand	0.00	Fixed	0.00	1,794.33	81.61
V-279	1,605.20	Zone - 2	Demand	0.00	Fixed	0.00	1,794.33	81.83
V-281	1,605.20	Zone - 2	Demand	0.00	Fixed	0.00	1,794.33	81.83
V-283	1,673.30	Zone - 2	Demand	0.00	Fixed	0.00	1,794.51	52.44
V-284	1,673.30	Zone - 2	Demand	0.00	Fixed	0.00	1,794.51	52.44
V-288	1,640.00	Zone - 2	Demand	0.00	Fixed	0.00	1,794.53	66.86
V-290	1,715.00	Zone - 5	Demand	0.00	Fixed	0.00	1,794.54	34.42
V-293	1,726.80	Zone - 5	Demand	0.00	Fixed	0.00	1,794.58	29.32
V-295	1,744.40	Reservoir Zone	Demand	0.00	Fixed	0.00	1,794.60	21.72
V-298	1,670.00	Zone - 2	Demand	0.00	Fixed	0.00	1,794.49	53.86
V-300	1,613.50	Zone - 2	Demand	0.00	Fixed	0.00	1,794.33	78.24
V-302	1,613.50	Zone - 2	Demand	0.00	Fixed	0.00	1,794.33	78.24
V-303	1,613.50	Zone - 2	Demand	0.00	Fixed	0.00	1,794.33	78.24
V-304	1,613.50	Zone - 2	Demand	0.00	Fixed	0.00	1,794.33	78.24
V-306	1,645.00	Zone - 2	Demand	0.00	Fixed	0.00	1,794.45	64.66
V-307	1,609.80	Zone - 2	Demand	0.00	Fixed	0.00	1,794.32	79.83
V-310	1,609.80	Zone - 2	Demand	0.00	Fixed	0.00	1,794.32	79.83
V-311	1,609.80	Zone - 2	Demand	0.00	Fixed	0.00	1,794.32	79.83
V-313	1,609.80	Zone - 2	Demand	0.00	Fixed	0.00	1,794.32	79.83
V-314	1,616.70	Zone - 2	Demand	0.00	Fixed	0.00	1,794.30	76.84

Scenario: 3. Average Day Demand with Full Reservoirs
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Label	Elevation (ft)	Zone	Type	Base Flow (gpm)	Pattern	Demand (Calculated) (gpm)	Calculated Hydraulic Grade (ft)	Pressure (psi)
V-316	1,616.70	Zone - 2	Demand	0.00	Fixed	0.00	1,794.30	76.84
V-318	1,615.90	Zone - 2	Demand	0.00	Fixed	0.00	1,794.31	77.19
V-320	1,615.90	Zone - 2	Demand	0.00	Fixed	0.00	1,794.31	77.19
V-321	1,615.90	Zone - 2	Demand	0.00	Fixed	0.00	1,794.31	77.19
V-323	1,615.10	Zone - 2	Demand	0.00	Fixed	0.00	1,794.31	77.54
V-324	1,615.10	Zone - 2	Demand	0.00	Fixed	0.00	1,794.31	77.54
V-326	1,615.10	Zone - 2	Demand	0.00	Fixed	0.00	1,794.31	77.54
V-328	1,614.40	Zone - 2	Demand	0.00	Fixed	0.00	1,794.31	77.84
V-329	1,613.60	Zone - 2	Demand	0.00	Fixed	0.00	1,794.32	78.19
V-330	1,613.60	Zone - 2	Demand	0.00	Fixed	0.00	1,794.32	78.19
V-331	1,613.60	Zone - 2	Demand	0.00	Fixed	0.00	1,794.32	78.19
V-332	1,613.60	Zone - 2	Demand	0.00	Fixed	0.00	1,794.31	78.19
V-334	1,605.70	Zone - 2	Demand	0.00	Fixed	0.00	1,794.31	81.60
V-337	1,605.70	Zone - 2	Demand	0.00	Fixed	0.00	1,794.32	81.60
V-338	1,605.70	Zone - 2	Demand	0.00	Fixed	0.00	1,794.32	81.61
V-339	1,605.70	Zone - 2	Demand	0.00	Fixed	0.00	1,794.32	81.61
V-340	1,603.50	Zone - 2	Demand	0.00	Fixed	0.00	1,794.32	82.56
V-342	1,603.50	Zone - 2	Demand	0.00	Fixed	0.00	1,794.32	82.56
V-343	1,603.50	Zone - 2	Demand	0.00	Fixed	0.00	1,794.32	82.56
V-346	1,603.70	Zone - 2	Demand	0.00	Fixed	0.00	1,794.32	82.47
V-348	1,605.40	Zone - 2	Demand	0.00	Fixed	0.00	1,794.32	81.74
V-350	1,605.40	Zone - 2	Demand	0.00	Fixed	0.00	1,794.32	81.74
V-351	1,605.40	Zone - 2	Demand	0.00	Fixed	0.00	1,794.32	81.74
V-352	1,605.40	Zone - 2	Demand	0.00	Fixed	0.00	1,794.32	81.74
V-354	1,610.50	Zone - 2	Demand	0.00	Fixed	0.00	1,794.32	79.53
V-355	1,609.30	Zone - 2	Demand	0.00	Fixed	0.00	1,794.32	80.05
V-357	1,609.30	Zone - 2	Demand	0.00	Fixed	0.00	1,794.32	80.05
V-358	1,609.30	Zone - 2	Demand	0.00	Fixed	0.00	1,794.32	80.05
V-360	1,608.90	Zone - 2	Demand	0.00	Fixed	0.00	1,794.32	80.22
V-363	1,608.90	Zone - 2	Demand	0.00	Fixed	0.00	1,794.32	80.22
V-364	1,608.90	Zone - 2	Demand	0.00	Fixed	0.00	1,794.32	80.22
V-365	1,608.90	Zone - 2	Demand	0.00	Fixed	0.00	1,794.32	80.22
V-368	1,609.10	Zone - 2	Demand	0.00	Fixed	0.00	1,794.32	80.13
V-369	1,609.60	Zone - 2	Demand	0.00	Fixed	0.00	1,794.32	79.92
V-370	1,609.60	Zone - 2	Demand	0.00	Fixed	0.00	1,794.32	79.92
V-371	1,609.60	Zone - 2	Demand	0.00	Fixed	0.00	1,794.32	79.92
V-374	1,616.10	Zone - 2	Demand	0.00	Fixed	0.00	1,794.32	77.11
V-375	1,616.10	Zone - 2	Demand	0.00	Fixed	0.00	1,794.32	77.11
V-378	1,621.15	Zone - 2	Demand	0.00	Fixed	0.00	1,794.32	74.92
V-379	1,621.15	Zone - 2	Demand	0.00	Fixed	0.00	1,794.32	74.92
V-380	1,621.15	Zone - 2	Demand	0.00	Fixed	0.00	1,794.32	74.92
V-385	1,616.30	Zone - 2	Demand	0.00	Fixed	0.00	1,794.32	77.02
V-386	1,616.30	Zone - 2	Demand	0.00	Fixed	0.00	1,794.32	77.02
V-388	1,614.20	Zone - 2	Demand	0.00	Fixed	0.00	1,794.32	77.93
V-389	1,614.20	Zone - 2	Demand	0.00	Fixed	0.00	1,794.32	77.93
V-390	1,614.20	Zone - 2	Demand	0.00	Fixed	0.00	1,794.32	77.93
V-392	1,615.00	Zone - 2	Demand	0.00	Fixed	0.00	1,794.32	77.58
V-394	1,617.00	Zone - 2	Demand	0.00	Fixed	0.00	1,794.32	76.72
V-396	1,617.00	Zone - 2	Demand	0.00	Fixed	0.00	1,794.32	76.72
V-397	1,617.00	Zone - 2	Demand	0.00	Fixed	0.00	1,794.32	76.72
V-399	1,617.00	Zone - 2	Demand	0.00	Fixed	0.00	1,794.32	76.72

Scenario: 3. Average Day Demand with Full Reservoirs
Steady State Analysis
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Label	Elevation (ft)	Zone	Type	Base Flow (gpm)	Pattern	Demand (Calculated) (gpm)	Calculated Hydraulic Grade (ft)	Pressure (psi)
V-402	1,616.90	Zone - 2	Demand	0.00	Fixed	0.00	1,794.31	76.76
V-404	1,616.90	Zone - 2	Demand	0.00	Fixed	0.00	1,794.31	76.76
V-405	1,616.90	Zone - 2	Demand	0.00	Fixed	0.00	1,794.31	76.76
V-406	1,618.70	Zone - 2	Demand	0.00	Fixed	0.00	1,794.31	75.98
V-408	1,618.70	Zone - 2	Demand	0.00	Fixed	0.00	1,794.31	75.98
V-410	1,618.70	Zone - 2	Demand	0.00	Fixed	0.00	1,794.31	75.98
V-411	1,618.70	Zone - 2	Demand	0.00	Fixed	0.00	1,794.31	75.98
V-414	1,620.60	Zone - 2	Demand	0.00	Fixed	0.00	1,794.31	75.15
V-415	1,620.60	Zone - 2	Demand	0.00	Fixed	0.00	1,794.31	75.15
V-417	1,621.60	Zone - 2	Demand	0.00	Fixed	0.00	1,794.30	74.72
V-418	1,621.60	Zone - 2	Demand	0.00	Fixed	0.00	1,794.30	74.72
V-420	1,621.60	Zone - 2	Demand	0.00	Fixed	0.00	1,794.30	74.72
V-421	1,621.60	Zone - 2	Demand	0.00	Fixed	0.00	1,794.30	74.72
V-423	1,621.60	Zone - 2	Demand	0.00	Fixed	0.00	1,794.30	74.72
V-426	1,622.80	Zone - 2	Demand	0.00	Fixed	0.00	1,794.30	74.20
V-428	1,622.80	Zone - 2	Demand	0.00	Fixed	0.00	1,794.30	74.20
V-429	1,622.80	Zone - 2	Demand	0.00	Fixed	0.00	1,794.30	74.20
V-431	1,627.50	Zone - 2	Demand	0.00	Fixed	0.00	1,794.30	72.16
V-432	1,627.30	Zone - 2	Demand	0.00	Fixed	0.00	1,794.29	72.25
V-436	1,631.90	Zone - 2	Demand	0.00	Fixed	0.00	1,794.28	70.26
V-438	1,631.90	Zone - 2	Demand	0.00	Fixed	0.00	1,794.28	70.26
V-439	1,631.90	Zone - 2	Demand	0.00	Fixed	0.00	1,794.28	70.26
V-440	1,634.50	Zone - 2	Demand	0.00	Fixed	0.00	1,794.28	69.13
V-442	1,634.50	Zone - 2	Demand	0.00	Fixed	0.00	1,794.28	69.13
V-444	1,637.30	Zone - 2	Demand	0.00	Fixed	0.00	1,794.27	67.91
V-446	1,637.30	Zone - 2	Demand	0.00	Fixed	0.00	1,794.27	67.91
V-447	1,637.30	Zone - 2	Demand	0.00	Fixed	0.00	1,794.27	67.91
V-448	1,637.90	Zone - 2	Demand	0.00	Fixed	0.00	1,794.27	67.65
V-450	1,637.90	Zone - 2	Demand	0.00	Fixed	0.00	1,794.27	67.65
V-451	1,637.90	Zone - 2	Demand	0.00	Fixed	0.00	1,794.27	67.65
V-455	1,638.90	Zone - 2	Demand	0.00	Fixed	0.00	1,794.27	67.22
V-456	1,638.90	Zone - 2	Demand	0.00	Fixed	0.00	1,794.27	67.22
V-457	1,638.90	Zone - 2	Demand	0.00	Fixed	0.00	1,794.27	67.22
V-459	1,640.60	Zone - 2	Demand	0.00	Fixed	0.00	1,794.27	66.48
V-460	1,641.70	Zone - 2	Demand	0.00	Fixed	0.00	1,794.27	66.01
V-462	1,641.70	Zone - 2	Demand	0.00	Fixed	0.00	1,794.27	66.01
V-463	1,641.70	Zone - 2	Demand	0.00	Fixed	0.00	1,794.27	66.01
V-466	1,646.98	Zone - 2	Demand	0.00	Fixed	0.00	1,794.26	63.72
V-467	1,646.98	Zone - 2	Demand	0.00	Fixed	0.00	1,794.26	63.72
V-468	1,646.98	Zone - 2	Demand	0.00	Fixed	0.00	1,794.26	63.72
V-469	1,646.98	Zone - 2	Demand	0.00	Fixed	0.00	1,794.26	63.72
V-474	1,645.20	Zone - 2	Demand	0.00	Fixed	0.00	1,794.26	64.49
V-475	1,645.20	Zone - 2	Demand	0.00	Fixed	0.00	1,794.26	64.49
V-479	1,648.90	Zone - 2	Demand	0.00	Fixed	0.00	1,794.26	62.89
V-481	1,648.90	Zone - 2	Demand	0.00	Fixed	0.00	1,794.26	62.89
V-483	1,652.30	Zone - 2	Demand	0.00	Fixed	0.00	1,794.26	61.42
V-484	1,652.30	Zone - 2	Demand	0.00	Fixed	0.00	1,794.26	61.42
V-488	1,650.50	Zone - 2	Demand	0.00	Fixed	0.00	1,794.26	62.20
V-491	1,658.90	Zone - 2	Demand	0.00	Fixed	0.00	1,794.26	58.56
V-493	1,658.90	Zone - 2	Demand	0.00	Fixed	0.00	1,794.26	58.56
V-494	1,658.00	Zone - 2	Demand	0.00	Fixed	0.00	1,794.26	58.95

Scenario: 3. Average Day Demand with Full Reservoirs
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Label	Elevation (ft)	Zone	Type	Base Flow (gpm)	Pattern	Demand (Calculated) (gpm)	Calculated Hydraulic Grade (ft)	Pressure (psi)
V-496	1,682.90	Zone - 4	Demand	0.00	Fixed	0.00	1,794.26	48.18
V-497	1,676.50	Zone - 2	Demand	0.00	Fixed	0.00	1,794.26	50.95
V-499	1,670.10	Zone - 2	Demand	0.00	Fixed	0.00	1,794.26	53.72
V-501	1,664.30	Zone - 2	Demand	0.00	Fixed	0.00	1,794.26	56.23
V-502	1,661.50	Zone - 2	Demand	0.00	Fixed	0.00	1,794.26	57.44
V-504	1,661.50	Zone - 2	Demand	0.00	Fixed	0.00	1,794.26	57.44
V-505	1,661.50	Zone - 2	Demand	0.00	Fixed	0.00	1,794.26	57.44
V-506	1,659.50	Zone - 2	Demand	0.00	Fixed	0.00	1,794.26	58.31
V-507	1,659.50	Zone - 2	Demand	0.00	Fixed	0.00	1,794.26	58.31
V-508	1,659.50	Zone - 2	Demand	0.00	Fixed	0.00	1,794.26	58.31
V-511	1,658.00	Zone - 2	Demand	0.00	Fixed	0.00	1,794.26	58.95
V-512	1,658.00	Zone - 2	Demand	0.00	Fixed	0.00	1,794.26	58.95
V-513	1,658.00	Zone - 2	Demand	0.00	Fixed	0.00	1,794.26	58.95
V-515	1,653.60	Zone - 2	Demand	0.00	Fixed	0.00	1,794.26	60.86
V-516	1,653.60	Zone - 2	Demand	0.00	Fixed	0.00	1,794.26	60.86
V-517	1,653.60	Zone - 2	Demand	0.00	Fixed	0.00	1,794.26	60.86
V-518	1,653.60	Zone - 2	Demand	0.00	Fixed	0.00	1,794.26	60.86
V-519	1,650.60	Zone - 2	Demand	0.00	Fixed	0.00	1,794.26	62.16
V-521	1,650.60	Zone - 2	Demand	0.00	Fixed	0.00	1,794.26	62.16
V-523	1,649.40	Zone - 2	Demand	0.00	Fixed	0.00	1,794.26	62.68
V-525	1,649.40	Zone - 2	Demand	0.00	Fixed	0.00	1,794.26	62.68
V-526	1,649.40	Zone - 2	Demand	0.00	Fixed	0.00	1,794.26	62.68
V-528	1,644.40	Zone - 2	Demand	0.00	Fixed	0.00	1,794.27	64.84
V-530	1,644.40	Zone - 2	Demand	0.00	Fixed	0.00	1,794.27	64.84
V-531	1,644.40	Zone - 2	Demand	0.00	Fixed	0.00	1,794.27	64.84
V-532	1,644.40	Zone - 2	Demand	0.00	Fixed	0.00	1,794.27	64.84
V-535	1,643.10	Zone - 2	Demand	0.00	Fixed	0.00	1,794.27	65.40
V-537	1,643.10	Zone - 2	Demand	0.00	Fixed	0.00	1,794.27	65.40
V-538	1,643.10	Zone - 2	Demand	0.00	Fixed	0.00	1,794.27	65.40
V-540	1,641.40	Zone - 2	Demand	0.00	Fixed	0.00	1,794.27	66.14
V-541	1,641.40	Zone - 2	Demand	0.00	Fixed	0.00	1,794.27	66.14
V-544	1,641.40	Zone - 2	Demand	0.00	Fixed	0.00	1,794.27	66.14
V-545	1,641.40	Zone - 2	Demand	0.00	Fixed	0.00	1,794.27	66.14
V-548	1,640.10	Zone - 2	Demand	0.00	Fixed	0.00	1,794.28	66.71
V-549	1,640.10	Zone - 2	Demand	0.00	Fixed	0.00	1,794.28	66.71
V-551	1,638.20	Zone - 2	Demand	0.00	Fixed	0.00	1,794.28	67.53
V-552	1,638.20	Zone - 2	Demand	0.00	Fixed	0.00	1,794.28	67.53
V-553	1,638.20	Zone - 2	Demand	0.00	Fixed	0.00	1,794.28	67.53
V-554	1,638.20	Zone - 2	Demand	0.00	Fixed	0.00	1,794.28	67.53
V-556	1,636.20	Zone - 2	Demand	0.00	Fixed	0.00	1,794.29	68.40
V-557	1,636.20	Zone - 2	Demand	0.00	Fixed	0.00	1,794.29	68.40
V-560	1,634.60	Zone - 2	Demand	0.00	Fixed	0.00	1,794.29	69.09
V-561	1,633.60	Zone - 2	Demand	0.00	Fixed	0.00	1,794.29	69.52
V-562	1,634.20	Zone - 2	Demand	0.00	Fixed	0.00	1,794.30	69.27
V-564	1,634.20	Zone - 2	Demand	0.00	Fixed	0.00	1,794.30	69.27
V-565	1,634.20	Zone - 2	Demand	0.00	Fixed	0.00	1,794.30	69.27
V-566	1,633.50	Zone - 2	Demand	0.00	Fixed	0.00	1,794.30	69.57
V-569	1,631.00	Zone - 2	Demand	0.00	Fixed	0.00	1,794.30	70.65
V-571	1,631.00	Zone - 2	Demand	0.00	Fixed	0.00	1,794.30	70.65
V-572	1,629.80	Zone - 2	Demand	0.00	Fixed	0.00	1,794.30	71.17
V-574	1,629.80	Zone - 2	Demand	0.00	Fixed	0.00	1,794.30	71.17

Scenario: 3. Average Day Demand with Full Reservoirs
Steady State Analysis
Junction Report

Label	Elevation (ft)	Zone	Type	Base Flow (gpm)	Pattern	Demand (Calculated) (gpm)	Calculated Hydraulic Grade (ft)	Pressure (psi)
V-575	1,629.80	Zone - 2	Demand	0.00	Fixed	0.00	1,794.30	71.17
V-576	1,626.90	Zone - 2	Demand	0.00	Fixed	0.00	1,794.31	72.43
V-578	1,626.90	Zone - 2	Demand	0.00	Fixed	0.00	1,794.31	72.43
V-579	1,626.90	Zone - 2	Demand	0.00	Fixed	0.00	1,794.31	72.43
V-580	1,624.10	Zone - 2	Demand	0.00	Fixed	0.00	1,794.32	73.65
V-583	1,623.40	Zone - 2	Demand	0.00	Fixed	0.00	1,794.32	73.95
V-584	1,624.10	Zone - 2	Demand	0.00	Fixed	0.00	1,794.32	73.65
V-586	1,621.70	Zone - 2	Demand	0.00	Fixed	0.00	1,794.32	74.69
V-587	1,621.70	Zone - 2	Demand	0.00	Fixed	0.00	1,794.32	74.69
V-588	1,621.70	Zone - 2	Demand	0.00	Fixed	0.00	1,794.32	74.69
V-590	1,619.00	Zone - 2	Demand	0.00	Fixed	0.00	1,794.32	75.85
V-591	1,619.00	Zone - 2	Demand	0.00	Fixed	0.00	1,794.32	75.85
V-592	1,619.00	Zone - 2	Demand	0.00	Fixed	0.00	1,794.32	75.85
V-595	1,621.90	Zone - 2	Demand	0.00	Fixed	0.00	1,794.33	74.60
V-596	1,621.90	Zone - 2	Demand	0.00	Fixed	0.00	1,794.33	74.60
V-598	1,621.90	Zone - 2	Demand	0.00	Fixed	0.00	1,794.33	74.60
V-599	1,621.90	Zone - 2	Demand	0.00	Fixed	0.00	1,794.33	74.60
V-600	1,621.90	Zone - 2	Demand	0.00	Fixed	0.00	1,794.33	74.60
V-605	1,622.20	Zone - 2	Demand	0.00	Fixed	0.00	1,794.32	74.47
V-607	1,622.20	Zone - 2	Demand	0.00	Fixed	0.00	1,794.32	74.47
V-609	1,618.70	Zone - 2	Demand	0.00	Fixed	0.00	1,794.32	75.98
V-611	1,618.70	Zone - 2	Demand	0.00	Fixed	0.00	1,794.32	75.98
V-613	1,618.70	Zone - 2	Demand	0.00	Fixed	0.00	1,794.32	75.98
V-614	1,618.70	Zone - 2	Demand	0.00	Fixed	0.00	1,794.32	75.98
V-616	1,625.60	Zone - 2	Demand	0.00	Fixed	0.00	1,794.32	73.00
V-617	1,616.30	Zone - 2	Demand	0.00	Fixed	0.00	1,794.32	77.02
V-620	1,625.42	Zone - 2	Demand	0.00	Fixed	0.00	1,794.32	73.07
V-622	1,629.61	Zone - 2	Demand	0.00	Fixed	0.00	1,794.31	71.26
V-623	1,629.61	Zone - 2	Demand	0.00	Fixed	0.00	1,794.31	71.26
V-628	1,629.70	Zone - 2	Demand	0.00	Fixed	0.00	1,794.31	71.22
V-629	1,629.70	Zone - 2	Demand	0.00	Fixed	0.00	1,794.31	71.22
V-630	1,629.70	Zone - 2	Demand	0.00	Fixed	0.00	1,794.31	71.22
V-631	1,625.00	Zone - 2	Demand	0.00	Fixed	0.00	1,794.32	73.26
V-632	1,625.00	Zone - 2	Demand	0.00	Fixed	0.00	1,794.32	73.26
V-636	1,631.70	Zone - 2	Demand	0.00	Fixed	0.00	1,794.31	70.36
V-639	1,630.90	Zone - 2	Demand	0.00	Fixed	0.00	1,794.32	70.70
V-641	1,631.70	Zone - 2	Demand	0.00	Fixed	0.00	1,794.31	70.36
V-643	1,631.70	Zone - 2	Demand	0.00	Fixed	0.00	1,794.31	70.36
V-644	1,632.00	Zone - 2	Demand	0.00	Fixed	0.00	1,794.31	70.23
V-647	1,632.00	Zone - 2	Demand	0.00	Fixed	0.00	1,794.31	70.22
V-649	1,632.00	Zone - 2	Demand	0.00	Fixed	0.00	1,794.31	70.22
V-650	1,632.70	Zone - 2	Demand	0.00	Fixed	0.00	1,794.31	69.92
V-652	1,632.70	Zone - 2	Demand	0.00	Fixed	0.00	1,794.31	69.92
V-653	1,634.20	Zone - 2	Demand	0.00	Fixed	0.00	1,794.31	69.27
V-654	1,634.20	Zone - 2	Demand	0.00	Fixed	0.00	1,794.31	69.27
V-656	1,634.20	Zone - 2	Demand	0.00	Fixed	0.00	1,794.31	69.27
V-660	1,635.60	Zone - 2	Demand	0.00	Fixed	0.00	1,794.31	68.67
V-661	1,635.60	Zone - 2	Demand	0.00	Fixed	0.00	1,794.31	68.67
V-662	1,637.00	Zone - 2	Demand	0.00	Fixed	0.00	1,794.31	68.06
V-663	1,638.20	Zone - 2	Demand	0.00	Fixed	0.00	1,794.31	67.54
V-666	1,638.90	Zone - 2	Demand	0.00	Fixed	0.00	1,794.31	67.24

Scenario: 3. Average Day Demand with Full Reservoirs
Steady State Analysis
Junction Report

Label	Elevation (ft)	Zone	Type	Base Flow (gpm)	Pattern	Demand (Calculated) (gpm)	Calculated Hydraulic Grade (ft)	Pressure (psi)
V-668	1,637.90	Zone - 2	Demand	0.00	Fixed	0.00	1,794.31	67.67
V-671	1,641.40	Zone - 2	Demand	0.00	Fixed	0.00	1,794.31	66.16
V-672	1,636.40	Zone - 2	Demand	0.00	Fixed	0.00	1,794.32	68.32
V-676	1,631.60	Zone - 2	Demand	0.00	Fixed	0.00	1,794.32	70.40
V-678	1,631.60	Zone - 2	Demand	0.00	Fixed	0.00	1,794.32	70.40
V-679	1,632.30	Zone - 2	Demand	0.00	Fixed	0.00	1,794.32	70.10
V-682	1,637.60	Zone - 2	Demand	0.00	Fixed	0.00	1,794.35	67.82
V-684	1,637.60	Zone - 2	Demand	0.00	Fixed	0.00	1,794.35	67.82
V-686	1,637.60	Zone - 2	Demand	0.00	Fixed	0.00	1,794.36	67.82
V-687	1,637.60	Zone - 2	Demand	0.00	Fixed	0.00	1,794.37	67.83
V-688	1,637.60	Zone - 2	Demand	0.00	Fixed	0.00	1,794.36	67.82
V-689	1,637.60	Zone - 2	Demand	0.00	Fixed	0.00	1,794.35	67.82
V-693	1,646.80	Zone - 2	Demand	0.00	Fixed	0.00	1,794.39	63.85
V-694	1,656.80	Zone - 2	Demand	0.00	Fixed	0.00	1,794.37	59.52
V-695	1,655.20	Zone - 2	Demand	0.00	Fixed	0.00	1,794.37	60.21
V-698	1,656.80	Zone - 2	Demand	0.00	Fixed	0.00	1,794.38	59.53
V-699	1,657.20	Zone - 2	Demand	0.00	Fixed	0.00	1,794.38	59.35
V-702	1,663.60	Zone - 2	Demand	0.00	Fixed	0.00	1,794.39	56.58
V-704	1,669.30	Zone - 2	Demand	0.00	Fixed	0.00	1,794.39	54.12
V-707	1,750.00	Zone - 1	Demand	0.00	Fixed	0.00	1,794.60	19.30
V-710	1,738.20	Zone - 1	Demand	0.00	Fixed	0.00	1,794.54	24.38
V-712	1,720.50	Zone - 1	Demand	0.00	Fixed	0.00	1,794.41	31.98
V-713	1,720.50	Zone - 1	Demand	0.00	Fixed	0.00	1,794.42	31.98
V-714	1,740.00	Zone - 1	Demand	0.00	Fixed	0.00	1,794.56	23.60
V-716	1,721.00	Zone - 1	Demand	0.00	Fixed	0.00	1,794.49	31.80
V-717	1,712.70	Zone - 1	Demand	0.00	Fixed	0.00	1,794.49	35.39
V-721	1,712.70	Zone - 1	Demand	0.00	Fixed	0.00	1,794.48	35.38
V-722	1,694.70	Zone - 2	Demand	0.00	Fixed	0.00	1,794.42	43.14
V-724	1,694.70	Zone - 2	Demand	0.00	Fixed	0.00	1,794.41	43.14
V-725	1,694.70	Zone - 2	Demand	0.00	Fixed	0.00	1,794.42	43.14
V-726	1,694.70	Zone - 2	Demand	0.00	Fixed	0.00	1,794.41	43.14
V-728	1,685.90	Zone - 1	Demand	0.00	Fixed	0.00	1,794.42	46.95
V-730	1,685.90	Zone - 1	Demand	0.00	Fixed	0.00	1,794.41	46.95
V-731	1,685.90	Zone - 1	Demand	0.00	Fixed	0.00	1,794.40	46.94
V-732	1,685.40	Zone - 1	Demand	0.00	Fixed	0.00	1,794.41	47.16
V-734	1,683.50	Zone - 1	Demand	0.00	Fixed	0.00	1,794.42	47.99
V-736	1,683.50	Zone - 1	Demand	0.00	Fixed	0.00	1,794.44	48.00
V-738	1,666.10	Zone - 2	Demand	0.00	Fixed	0.00	1,794.40	55.51
V-740	1,666.10	Zone - 2	Demand	0.00	Fixed	0.00	1,794.39	55.51
V-741	1,666.10	Zone - 2	Demand	0.00	Fixed	0.00	1,794.40	55.51
V-742	1,666.10	Zone - 2	Demand	0.00	Fixed	0.00	1,794.40	55.51
V-744	1,655.50	Zone - 2	Demand	0.00	Fixed	0.00	1,794.39	60.09
V-746	1,655.50	Zone - 2	Demand	0.00	Fixed	0.00	1,794.39	60.09
V-747	1,655.50	Zone - 2	Demand	0.00	Fixed	0.00	1,794.39	60.09
V-751	1,626.50	Zone - 2	Demand	0.00	Fixed	0.00	1,794.35	72.62
V-752	1,624.10	Zone - 2	Demand	0.00	Fixed	0.00	1,794.33	73.65
V-755	1,684.90	Zone - 1	Demand	0.00	Fixed	0.00	1,794.38	47.37
V-756	1,684.90	Zone - 1	Demand	0.00	Fixed	0.00	1,794.38	47.37
V-758	1,684.90	Zone - 1	Demand	0.00	Fixed	0.00	1,794.38	47.37
V-759	1,673.20	Zone - 2	Demand	0.00	Fixed	0.00	1,794.35	52.42
V-761	1,673.20	Zone - 2	Demand	0.00	Fixed	0.00	1,794.35	52.42

Scenario: 3. Average Day Demand with Full Reservoirs
Steady State Analysis
Junction Report

Label	Elevation (ft)	Zone	Type	Base Flow (gpm)	Pattern	Demand (Calculated) (gpm)	Calculated Hydraulic Grade (ft)	Pressure (psi)
V-762	1,673.20	Zone - 2	Demand	0.00	Fixed	0.00	1,794.35	52.42
V-765	1,651.80	Zone - 2	Demand	0.00	Fixed	0.00	1,794.32	61.66
V-767	1,651.80	Zone - 2	Demand	0.00	Fixed	0.00	1,794.32	61.66
V-770	1,637.33	Zone - 2	Demand	0.00	Fixed	0.00	1,794.30	67.91
V-772	1,637.33	Zone - 2	Demand	0.00	Fixed	0.00	1,794.30	67.91
V-773	1,637.33	Zone - 2	Demand	0.00	Fixed	0.00	1,794.30	67.91
V-775	1,634.40	Zone - 2	Demand	0.00	Fixed	0.00	1,794.30	69.18
V-777	1,634.40	Zone - 2	Demand	0.00	Fixed	0.00	1,794.30	69.18
V-778	1,634.40	Zone - 2	Demand	0.00	Fixed	0.00	1,794.30	69.18
V-779	1,634.40	Zone - 2	Demand	0.00	Fixed	0.00	1,794.30	69.18
V-783	1,637.33	Zone - 2	Demand	0.00	Fixed	0.00	1,794.30	67.91
V-787	1,638.40	Zone - 2	Demand	0.00	Fixed	0.00	1,794.29	67.45
V-789	1,638.80	Zone - 2	Demand	0.00	Fixed	0.00	1,794.29	67.27
V-790	1,646.80	Zone - 2	Demand	0.00	Fixed	0.00	1,794.28	63.81
V-792	1,646.80	Zone - 2	Demand	0.00	Fixed	0.00	1,794.28	63.81
V-794	1,646.80	Zone - 2	Demand	0.00	Fixed	0.00	1,794.28	63.81
V-795	1,646.80	Zone - 2	Demand	0.00	Fixed	0.00	1,794.28	63.81
V-797	1,656.60	Zone - 2	Demand	0.00	Fixed	0.00	1,794.28	59.57
V-798	1,656.60	Zone - 2	Demand	0.00	Fixed	0.00	1,794.28	59.57
V-801	1,650.70	Zone - 2	Demand	0.00	Fixed	0.00	1,794.28	62.12
V-803	1,650.70	Zone - 2	Demand	0.00	Fixed	0.00	1,794.28	62.12
V-804	1,646.20	Zone - 2	Demand	0.00	Fixed	0.00	1,794.28	64.07
V-806	1,646.20	Zone - 2	Demand	0.00	Fixed	0.00	1,794.27	64.06
V-807	1,646.20	Zone - 2	Demand	0.00	Fixed	0.00	1,794.28	64.07
V-809	1,646.20	Zone - 2	Demand	0.00	Fixed	0.00	1,794.28	64.07
V-810	1,646.90	Zone - 2	Demand	0.00	Fixed	0.00	1,794.27	63.76
V-812	1,646.90	Zone - 2	Demand	0.00	Fixed	0.00	1,794.27	63.76
V-814	1,645.00	Zone - 2	Demand	0.00	Fixed	0.00	1,794.27	64.58
V-815	1,645.00	Zone - 2	Demand	0.00	Fixed	0.00	1,794.27	64.58
V-816	1,645.00	Zone - 2	Demand	0.00	Fixed	0.00	1,794.27	64.58
V-818	1,646.00	Zone - 2	Demand	0.00	Fixed	0.00	1,794.27	64.15
V-819	1,648.60	Zone - 2	Demand	0.00	Fixed	0.00	1,794.26	63.02
V-821	1,671.20	Zone - 3	Demand	0.00	Fixed	0.00	1,793.93	53.10
V-826	1,653.70	Zone - 2	Demand	0.00	Fixed	0.00	1,794.26	60.81
V-828	1,653.70	Zone - 2	Demand	0.00	Fixed	0.00	1,794.26	60.81
V-830	1,659.70	Zone - 2	Demand	0.00	Fixed	0.00	1,794.26	58.22
V-832	1,659.70	Zone - 2	Demand	0.00	Fixed	0.00	1,794.26	58.22
V-836	1,661.10	Zone - 2	Demand	0.00	Fixed	0.00	1,794.26	57.61
V-839	1,603.70	Zone - 2	Demand	0.00	Fixed	0.00	1,794.34	82.48
V-840	1,603.70	Zone - 2	Demand	0.00	Fixed	0.00	1,794.34	82.48
V-842	1,603.70	Zone - 2	Demand	0.00	Fixed	0.00	1,794.34	82.48
V-844	1,599.40	Zone - 2	Demand	0.00	Fixed	0.00	1,794.33	84.34
V-846	1,605.40	Zone - 2	Demand	0.00	Fixed	0.00	1,794.32	81.74
V834	1,661.10	Zone - 2	Demand	0.00	Fixed	0.00	1,794.26	57.61

Pipe

Scenario: 3. Average Day Demand with Full Reservoirs
Steady State Analysis
Pipe Report

Label	Length (ft)	Diameter (in)	Material	Hazen-Williams C	Minor Loss Coefficient	Control Status	Discharge (gpm)	Pressure Pipe Headloss (ft)
P-1	490.00	6.0	PVC	150.0	0.00	Open	-2.09	0.00
P-2	30.00	6.0	PVC	150.0	0.00	Open	12.07	0.00
P-3	341.00	6.0	PVC	150.0	0.00	Open	12.07	0.01
P-4	64.00	6.0	PVC	150.0	0.00	Open	2.09	0.00
P-5	29.00	6.0	Asbestos Cement	140.0	0.00	Open	-7.39	0.00
P-7	519.00	6.0	Asbestos Cement	140.0	0.00	Open	-9.48	0.01
P-8	45.00	6.0	Asbestos Cement	140.0	0.00	Open	-9.48	0.00
P-9	20.00	6.0	PVC	150.0	0.00	Open	-11.57	0.00
P-10	149.00	6.0	PVC	150.0	0.00	Open	-11.57	0.00
P-11	104.00	6.0	PVC	150.0	0.00	Open	-11.57	0.00
P-12	33.00	6.0	Asbestos Cement	140.0	0.00	Open	-7.95	0.00
P-13	295.00	6.0	Asbestos Cement	140.0	0.00	Open	-7.95	0.00
P-14	296.00	6.0	Asbestos Cement	140.0	0.00	Open	0.36	0.00
P-15	37.00	6.0	Asbestos Cement	140.0	0.00	Open	0.36	0.00
P-16	43.00	6.0	Asbestos Cement	140.0	0.00	Open	-7.55	0.00
P-17	856.00	6.0	PVC	150.0	0.00	Open	-7.55	0.01
P-18	40.00	6.0	Asbestos Cement	140.0	0.00	Open	0.22	0.00
P-19	295.00	6.0	Asbestos Cement	140.0	0.00	Open	0.22	0.00
P-20	27.00	6.0	Asbestos Cement	140.0	0.00	Open	0.22	0.00
P-21	75.00	6.0	Asbestos Cement	140.0	0.00	Open	-3.98	0.00
P-22	325.00	6.0	Asbestos Cement	140.0	0.00	Open	2.10	0.00
P-23	252.00	6.0	Asbestos Cement	140.0	0.00	Open	2.71	0.00
P-24	48.00	6.0	Asbestos Cement	140.0	0.00	Open	2.71	0.00
P-25	40.00	6.0	Asbestos Cement	140.0	0.00	Open	2.71	0.00
P-26	91.00	6.0	Asbestos Cement	140.0	0.00	Open	-9.85	0.00
P-27	395.00	6.0	Asbestos Cement	140.0	0.00	Open	-9.85	0.00
P-28	117.00	6.0	Asbestos Cement	140.0	0.00	Open	-9.85	0.00
P-29	66.00	6.0	Asbestos Cement	140.0	0.00	Open	-9.85	0.00
P-30	1,573.00	6.0	Asbestos Cement	140.0	0.00	Open	-2.09	0.00
P-31	34.00	6.0	Asbestos Cement	140.0	0.00	Open	-2.09	0.00
P-32	29.00	6.0	Asbestos Cement	140.0	0.00	Open	22.07	0.00
P-33	234.00	6.0	Asbestos Cement	140.0	0.00	Open	22.07	0.01
P-34	20.00	6.0	Asbestos Cement	140.0	0.00	Open	3.15	0.00
P-35	123.00	6.0	Asbestos Cement	140.0	0.00	Open	3.15	0.00
P-36	164.00	6.0	Asbestos Cement	140.0	0.00	Open	16.83	0.01
P-37	63.00	6.0	Asbestos Cement	140.0	0.00	Open	4.89	0.00
P-38	563.00	6.0	Asbestos Cement	140.0	0.00	Open	4.89	0.00
P-39	126.00	6.0	Asbestos Cement	140.0	0.00	Open	0.71	0.00
P-40	45.00	6.0	Asbestos Cement	140.0	0.00	Open	2.09	0.00
P-41	140.00	6.0	Asbestos Cement	140.0	0.00	Open	2.09	0.00
P-42	55.00	6.0	Asbestos Cement	140.0	0.00	Open	0.00	0.00
P-43	474.00	6.0	PVC	150.0	0.00	Open	16.20	0.01
P-44	62.00	6.0	PVC	150.0	0.00	Open	16.20	0.00
P-45	216.00	6.0	PVC	150.0	0.00	Open	16.20	0.01
P-46	442.00	6.0	PVC	150.0	0.00	Open	16.20	0.01
P-47	473.00	6.0	PVC	150.0	0.00	Open	18.29	0.02
P-48	433.00	6.0	PVC	150.0	0.00	Open	18.29	0.01
P-49	62.00	6.0	PVC	150.0	0.00	Open	18.29	0.00
P-50	68.00	6.0	PVC	150.0	0.00	Open	18.29	0.00
P-51	47.00	6.0	PVC	150.0	0.00	Open	-1.03	0.00
P-52	36.00	6.0	PVC	150.0	0.00	Open	34.70	0.00

Scenario: 3. Average Day Demand with Full Reservoirs
Steady State Analysis
Pipe Report

Label	Length (ft)	Diameter (in)	Material	Hazen-Williams C	Minor Loss Coefficient	Control Status	Discharge (gpm)	Pressure Pipe Headloss (ft)
P-53	420.00	6.0	PVC	150.0	0.00	Open	34.70	0.05
P-54	53.00	6.0	PVC	150.0	0.00	Open	34.70	0.01
P-55	282.00	6.0	PVC	150.0	0.00	Open	32.61	0.03
P-56	40.00	6.0	PVC	150.0	0.00	Open	32.61	0.00
P-57	23.00	6.0	Asbestos Cement	140.0	0.00	Open	-10.90	0.00
P-58	26.00	6.0	Asbestos Cement	140.0	0.00	Open	-10.90	0.00
P-59	429.00	6.0	Asbestos Cement	140.0	0.00	Open	-10.90	0.01
P-60	34.00	6.0	Asbestos Cement	140.0	0.00	Open	-10.90	0.00
P-61	404.00	6.0	Asbestos Cement	140.0	0.00	Open	28.06	0.03
P-62	45.00	6.0	Asbestos Cement	140.0	0.00	Open	28.06	0.00
P-63	22.00	6.0	Asbestos Cement	140.0	0.00	Open	28.06	0.00
P-64	64.00	6.0	Asbestos Cement	140.0	0.00	Open	13.94	0.00
P-65	328.00	6.0	Asbestos Cement	140.0	0.00	Open	13.94	0.01
P-66	232.00	6.0	Asbestos Cement	140.0	0.00	Open	-2.72	0.00
P-67	432.00	6.0	Asbestos Cement	140.0	0.00	Open	-2.72	0.00
P-68	20.00	6.0	Asbestos Cement	140.0	0.00	Open	-2.72	0.00
P-69	16.00	6.0	Asbestos Cement	140.0	0.00	Open	-26.83	0.00
P-70	40.00	6.0	Asbestos Cement	140.0	0.00	Open	-15.01	0.00
P-71	408.00	6.0	Asbestos Cement	140.0	0.00	Open	-15.01	0.01
P-72	23.00	6.0	Asbestos Cement	140.0	0.00	Open	-15.01	0.00
P-73	36.00	6.0	Asbestos Cement	140.0	0.00	Open	-5.96	0.00
P-74	514.00	6.0	Asbestos Cement	140.0	0.00	Open	-5.96	0.00
P-75	39.00	6.0	Asbestos Cement	140.0	0.00	Open	2.29	0.00
P-76	388.00	6.0	Asbestos Cement	140.0	0.00	Open	2.29	0.00
P-77	36.00	6.0	Asbestos Cement	140.0	0.00	Open	2.29	0.00
P-78	289.00	6.0	Asbestos Cement	140.0	0.00	Open	-8.42	0.00
P-79	26.00	6.0	Asbestos Cement	140.0	0.00	Open	-8.42	0.00
P-80	47.00	6.0	Asbestos Cement	140.0	0.00	Open	-16.78	0.00
P-81	374.00	6.0	Asbestos Cement	140.0	0.00	Open	-16.78	0.01
P-82	44.00	6.0	Asbestos Cement	140.0	0.00	Open	-16.78	0.00
P-83	39.00	6.0	Asbestos Cement	140.0	0.00	Open	-41.42	0.01
P-84	39.00	6.0	Asbestos Cement	140.0	0.00	Open	22.55	0.00
P-85	244.00	6.0	Asbestos Cement	140.0	0.00	Open	22.55	0.01
P-86	30.00	6.0	Asbestos Cement	140.0	0.00	Open	22.55	0.00
P-87	36.00	6.0	Asbestos Cement	140.0	0.00	Open	12.21	0.00
P-88	26.00	6.0	Asbestos Cement	140.0	0.00	Open	12.21	0.00
P-89	288.00	6.0	Asbestos Cement	140.0	0.00	Open	12.21	0.01
P-90	421.00	6.0	Asbestos Cement	140.0	0.00	Open	-6.53	0.00
P-91	42.00	6.0	Asbestos Cement	140.0	0.00	Open	-6.53	0.00
P-92	289.00	6.0	Asbestos Cement	140.0	0.00	Open	-8.62	0.00
P-93	29.00	6.0	Asbestos Cement	140.0	0.00	Open	-8.62	0.00
P-94	32.00	6.0	Asbestos Cement	140.0	0.00	Open	8.62	0.00
P-95	46.00	6.0	Asbestos Cement	140.0	0.00	Open	-4.18	0.00
P-96	42.00	6.0	Asbestos Cement	140.0	0.00	Open	2.09	0.00
P-97	54.00	6.0	Asbestos Cement	140.0	0.00	Open	1.88	0.00
P-98	46.00	6.0	Asbestos Cement	140.0	0.00	Open	13.91	0.00
P-99	268.00	6.0	Asbestos Cement	140.0	0.00	Open	13.91	0.01
P-100	26.00	6.0	Asbestos Cement	140.0	0.00	Open	16.65	0.00
P-101	15.00	6.0	Asbestos Cement	140.0	0.00	Open	14.56	0.00
P-102	25.00	6.0	Asbestos Cement	140.0	0.00	Open	3.82	0.00
P-103	46.00	6.0	Asbestos Cement	140.0	0.00	Open	3.82	0.00

Scenario: 3. Average Day Demand with Full Reservoirs
Steady State Analysis
Pipe Report

Label	Length (ft)	Diameter (in)	Material	Hazen-Williams C	Minor Loss Coefficient	Control Status	Discharge (gpm)	Pressure Pipe Headloss (ft)
P-104	398.00	6.0	Asbestos Cement	140.0	0.00	Open	3.82	0.00
P-105	20.00	6.0	Asbestos Cement	140.0	0.00	Open	0.00	0.00
P-106	44.00	6.0	PVC	150.0	0.00	Open	8.65	0.00
P-107	696.00	6.0	PVC	150.0	0.00	Open	8.65	0.01
P-108	28.00	6.0	PVC	150.0	0.00	Open	0.00	0.00
P-109	30.00	6.0	PVC	150.0	0.00	Open	6.72	0.00
P-110	305.00	6.0	PVC	150.0	0.00	Open	6.72	0.00
P-111	30.00	6.0	PVC	150.0	0.00	Open	6.72	0.00
P-112	44.00	6.0	PVC	150.0	0.00	Open	6.72	0.00
P-113	40.00	6.0	Asbestos Cement	140.0	0.00	Open	-0.23	0.00
P-114	31.00	6.0	Steel	100.0	0.00	Open	8.69	0.00
P-115	28.00	6.0	Steel	100.0	0.00	Open	3.65	0.00
P-116	266.00	6.0	Steel	100.0	0.00	Open	3.65	0.00
P-117	30.00	6.0	Steel	100.0	0.00	Open	3.65	0.00
P-118	46.00	6.0	Steel	100.0	0.00	Open	5.69	0.00
P-119	32.00	6.0	Steel	100.0	0.00	Open	5.69	0.00
P-120	222.00	6.0	Steel	100.0	0.00	Open	5.69	0.00
P-121	37.00	6.0	Steel	100.0	0.00	Open	5.69	0.00
P-122	391.00	6.0	Asbestos Cement	140.0	0.00	Open	5.45	0.00
P-123	59.00	6.0	Asbestos Cement	140.0	0.00	Open	5.45	0.00
P-124	27.00	6.0	Asbestos Cement	140.0	0.00	Open	1.33	0.00
P-125	326.00	6.0	Asbestos Cement	140.0	0.00	Open	1.33	0.00
P-126	63.00	6.0	Asbestos Cement	140.0	0.00	Open	1.33	0.00
P-127	23.00	6.0	Steel	100.0	0.00	Open	2.95	0.00
P-128	38.00	6.0	Steel	100.0	0.00	Open	2.95	0.00
P-129	307.00	6.0	Steel	100.0	0.00	Open	2.95	0.00
P-130	41.00	6.0	Steel	100.0	0.00	Open	2.95	0.00
P-131	35.00	6.0	Steel	100.0	0.00	Open	-3.84	0.00
P-132	413.00	6.0	Steel	100.0	0.00	Open	-3.84	0.00
P-133	362.00	6.0	Steel	100.0	0.00	Open	0.46	0.00
P-134	20.00	6.0	Steel	100.0	0.00	Open	8.27	0.00
P-135	19.00	6.0	Steel	100.0	0.00	Open	8.27	0.00
P-136	22.00	6.0	Asbestos Cement	140.0	0.00	Open	1.52	0.00
P-137	31.00	6.0	PVC	150.0	0.00	Open	4.66	0.00
P-138	208.00	6.0	PVC	150.0	0.00	Open	4.66	0.00
P-139	395.00	6.0	PVC	150.0	0.00	Open	2.57	0.00
P-140	60.00	6.0	PVC	150.0	0.00	Open	2.57	0.00
P-141	131.00	6.0	Steel	100.0	0.00	Open	-3.77	0.00
P-142	45.00	6.0	Asbestos Cement	140.0	0.00	Open	-9.90	0.00
P-143	271.00	6.0	Asbestos Cement	140.0	0.00	Open	-9.90	0.00
P-144	51.00	6.0	Asbestos Cement	140.0	0.00	Open	-9.90	0.00
P-145	69.00	6.0	Asbestos Cement	140.0	0.00	Open	-9.90	0.00
P-146	41.00	6.0	Asbestos Cement	140.0	0.00	Open	0.00	0.00
P-147	159.00	6.0	Asbestos Cement	140.0	0.00	Open	-11.99	0.00
P-148	29.00	6.0	PVC	150.0	0.00	Open	-0.00	0.00
P-149	106.00	6.0	PVC	150.0	0.00	Open	0.00	0.00
P-150	28.00	6.0	Asbestos Cement	140.0	0.00	Open	6.86	0.00
P-151	320.00	6.0	Asbestos Cement	140.0	0.00	Open	6.86	0.00
P-152	449.00	6.0	Asbestos Cement	140.0	0.00	Open	6.86	0.00
P-153	42.00	6.0	Asbestos Cement	140.0	0.00	Open	6.86	0.00
P-154	382.00	6.0	PVC	150.0	0.00	Open	3.15	0.00

Scenario: 3. Average Day Demand with Full Reservoirs
Steady State Analysis
Pipe Report

Label	Length (ft)	Diameter (in)	Material	Hazen-Williams C	Minor Loss Coefficient	Control Status	Discharge (gpm)	Pressure Pipe Headloss (ft)
P-155	42.00	6.0	PVC	150.0	0.00	Open	3.79	0.00
P-156	33.00	6.0	PVC	150.0	0.00	Open	3.79	0.00
P-157	30.00	6.0	PVC	150.0	0.00	Open	1.20	0.00
P-158	27.00	6.0	PVC	150.0	0.00	Open	1.20	0.00
P-159	151.00	6.0	PVC	150.0	0.00	Open	1.20	0.00
P-160	32.00	6.0	PVC	150.0	0.00	Open	0.00	0.00
P-161	19.00	6.0	PVC	150.0	0.00	Open	-0.89	0.00
P-162	30.00	6.0	PVC	150.0	0.00	Open	-2.98	0.00
P-163	116.00	6.0	PVC	150.0	0.00	Open	-2.98	0.00
P-164	147.00	6.0	PVC	150.0	0.00	Open	-2.98	0.00
P-165	33.00	6.0	PVC	150.0	0.00	Open	-2.98	0.00
P-166	38.00	6.0	PVC	150.0	0.00	Open	-2.98	0.00
P-167	273.00	6.0	PVC	150.0	0.00	Open	-5.07	0.00
P-168	103.00	6.0	PVC	150.0	0.00	Open	-5.07	0.00
P-169	23.00	6.0	PVC	150.0	0.00	Open	-5.07	0.00
P-170	248.00	6.0	PVC	150.0	0.00	Open	-5.07	0.00
P-171	27.00	6.0	Steel	100.0	0.00	Open	0.10	0.00
P-172	74.00	6.0	PVC	150.0	0.00	Open	-7.25	0.00
P-173	195.00	6.0	PVC	150.0	0.00	Open	-7.25	0.00
P-174	34.00	6.0	PVC	150.0	0.00	Open	-0.50	0.00
P-175	41.00	6.0	PVC	150.0	0.00	Open	0.00	0.00
P-176	39.00	6.0	PVC	150.0	0.00	Open	-2.73	0.00
P-177	278.00	6.0	PVC	150.0	0.00	Open	-2.73	0.00
P-178	46.00	6.0	PVC	150.0	0.00	Open	-6.89	0.00
P-179	40.00	6.0	PVC	150.0	0.00	Open	-6.89	0.00
P-180	178.00	6.0	PVC	150.0	0.00	Open	-6.89	0.00
P-181	28.00	6.0	PVC	150.0	0.00	Open	-6.89	0.00
P-182	31.00	6.0	PVC	150.0	0.00	Open	-6.89	0.00
P-183	278.00	6.0	PVC	150.0	0.00	Open	-8.81	0.00
P-184	40.00	6.0	PVC	150.0	0.00	Open	3.71	0.00
P-185	231.00	6.0	PVC	150.0	0.00	Open	3.71	0.00
P-186	34.00	6.0	PVC	150.0	0.00	Open	1.07	0.00
P-187	20.00	6.0	PVC	150.0	0.00	Open	-1.02	0.00
P-188	34.00	6.0	PVC	150.0	0.00	Open	-0.55	0.00
P-189	20.00	6.0	PVC	150.0	0.00	Open	-0.55	0.00
P-190	18.00	6.0	PVC	150.0	0.00	Open	0.00	0.00
P-191	31.00	6.0	PVC	150.0	0.00	Open	0.00	0.00
P-192	37.00	6.0	PVC	150.0	0.00	Open	-0.47	0.00
P-193	331.00	6.0	PVC	150.0	0.00	Open	-0.47	0.00
P-194	265.00	6.0	Steel	100.0	0.00	Open	-13.36	0.01
P-195	200.00	6.0	Steel	100.0	0.00	Open	15.41	0.01
P-196	208.00	6.0	Steel	100.0	0.00	Open	-30.85	0.04
P-197	1,020.00	6.0	Steel	100.0	0.00	Open	-2.09	0.00
P-198	48.00	6.0	Steel	100.0	0.00	Open	-6.88	0.00
P-199	272.00	6.0	Steel	100.0	0.00	Open	2.70	0.00
P-200	36.00	6.0	Steel	100.0	0.00	Open	2.70	0.00
P-201	92.00	6.0	Steel	100.0	0.00	Open	2.70	0.00
P-202	35.00	6.0	Steel	100.0	0.00	Open	0.00	0.00
P-203	297.00	6.0	Steel	100.0	0.00	Open	0.61	0.00
P-204	218.00	6.0	Steel	100.0	0.00	Open	22.24	0.02
P-205	29.00	6.0	Steel	100.0	0.00	Open	22.24	0.00

Scenario: 3. Average Day Demand with Full Reservoirs
Steady State Analysis
Pipe Report

Label	Length (ft)	Diameter (in)	Material	Hazen-Williams C	Minor Loss Coefficient	Control Status	Discharge (gpm)	Pressure Pipe Headloss (ft)
P-206	27.00	6.0	Steel	100.0	0.00	Open	25.19	0.00
P-207	224.00	6.0	Steel	100.0	0.00	Open	25.19	0.03
P-208	24.00	6.0	D. I.	130.0	0.00	Open	-36.60	0.00
P-209	25.00	6.0	Steel	100.0	0.00	Open	-36.60	0.01
P-210	42.00	6.0	Steel	100.0	0.00	Open	-41.64	0.01
P-211	30.00	6.0	PVC	150.0	0.00	Open	-41.64	0.00
P-212	31.00	6.0	Steel	100.0	0.00	Open	-23.72	0.00
P-213	249.00	6.0	Asbestos Cement	140.0	0.00	Open	-13.84	0.01
P-214	29.00	6.0	Steel	100.0	0.00	Open	-23.72	0.00
P-215	35.00	6.0	Steel	100.0	0.00	Open	-20.15	0.00
P-216	303.00	6.0	Steel	100.0	0.00	Open	-20.15	0.03
P-217	68.00	6.0	Steel	100.0	0.00	Open	17.90	0.00
P-218	167.00	6.0	Steel	100.0	0.00	Open	17.90	0.01
P-219	32.00	6.0	Steel	100.0	0.00	Open	17.90	0.00
P-220	249.00	6.0	Steel	100.0	0.00	Open	-9.88	0.01
P-221	52.00	6.0	Steel	100.0	0.00	Open	-40.14	0.02
P-222	22.00	6.0	PVC	150.0	0.00	Open	-40.14	0.00
P-223	227.00	6.0	PVC	150.0	0.00	Open	-40.14	0.03
P-224	117.00	6.0	Asbestos Cement	140.0	0.00	Open	21.38	0.01
P-225	95.00	6.0	Asbestos Cement	140.0	0.00	Open	9.80	0.00
P-226	222.00	6.0	Asbestos Cement	140.0	0.00	Open	9.80	0.00
P-227	62.00	6.0	Asbestos Cement	140.0	0.00	Open	9.80	0.00
P-228	38.00	6.0	Asbestos Cement	140.0	0.00	Open	9.96	0.00
P-229	225.00	6.0	Asbestos Cement	140.0	0.00	Open	9.96	0.00
P-230	57.00	6.0	Asbestos Cement	140.0	0.00	Open	9.96	0.00
P-231	43.00	6.0	Asbestos Cement	140.0	0.00	Open	11.09	0.00
P-232	230.00	6.0	Asbestos Cement	140.0	0.00	Open	11.09	0.00
P-233	40.00	6.0	Asbestos Cement	140.0	0.00	Open	11.09	0.00
P-234	325.00	6.0	Asbestos Cement	140.0	0.00	Open	13.01	0.01
P-235	30.00	6.0	Asbestos Cement	140.0	0.00	Open	27.94	0.00
P-236	315.00	6.0	Asbestos Cement	140.0	0.00	Open	27.94	0.03
P-237	40.00	6.0	Asbestos Cement	140.0	0.00	Open	16.53	0.00
P-238	127.00	6.0	Asbestos Cement	140.0	0.00	Open	16.53	0.00
P-239	252.00	6.0	Asbestos Cement	140.0	0.00	Open	16.53	0.01
P-240	139.00	6.0	Asbestos Cement	140.0	0.00	Open	11.36	0.00
P-241	358.00	6.0	Asbestos Cement	140.0	0.00	Open	-5.09	0.00
P-242	36.00	6.0	Asbestos Cement	140.0	0.00	Open	-5.09	0.00
P-243	44.00	6.0	Asbestos Cement	140.0	0.00	Open	-7.34	0.00
P-244	387.00	6.0	Asbestos Cement	140.0	0.00	Open	-7.34	0.00
P-245	360.00	6.0	Asbestos Cement	140.0	0.00	Open	-4.91	0.00
P-246	42.00	6.0	Asbestos Cement	140.0	0.00	Open	-4.91	0.00
P-247	32.00	6.0	Asbestos Cement	140.0	0.00	Open	-8.12	0.00
P-248	398.00	6.0	Asbestos Cement	140.0	0.00	Open	-8.12	0.00
P-249	44.00	6.0	Asbestos Cement	140.0	0.00	Open	-8.12	0.00
P-250	366.00	6.0	Asbestos Cement	140.0	0.00	Open	-5.07	0.00
P-251	29.00	6.0	Asbestos Cement	140.0	0.00	Open	-5.07	0.00
P-252	36.00	6.0	Asbestos Cement	140.0	0.00	Open	-9.09	0.00
P-253	395.00	6.0	Asbestos Cement	140.0	0.00	Open	-9.09	0.00
P-254	32.00	6.0	Asbestos Cement	140.0	0.00	Open	-4.14	0.00
P-255	300.00	6.0	Asbestos Cement	140.0	0.00	Open	-4.14	0.00
P-256	22.00	6.0	Asbestos Cement	140.0	0.00	Open	-4.14	0.00

Scenario: 3. Average Day Demand with Full Reservoirs
Steady State Analysis
Pipe Report

Label	Length (ft)	Diameter (in)	Material	Hazen-Williams C	Minor Loss Coefficient	Control Status	Discharge (gpm)	Pressure Pipe Headloss (ft)
P-257	42.00	6.0	Asbestos Cement	140.0	0.00	Open	-4.14	0.00
P-258	24.00	6.0	Asbestos Cement	140.0	0.00	Open	-21.08	0.00
P-259	280.00	6.0	Asbestos Cement	140.0	0.00	Open	28.79	0.03
P-260	28.00	6.0	Asbestos Cement	140.0	0.00	Open	28.79	0.00
P-261	22.00	6.0	Asbestos Cement	140.0	0.00	Open	0.45	0.00
P-262	19.00	6.0	Asbestos Cement	140.0	0.00	Open	0.45	0.00
P-263	28.00	6.0	Asbestos Cement	140.0	0.00	Open	0.00	0.00
P-264	31.00	6.0	Asbestos Cement	140.0	0.00	Open	0.00	0.00
P-265	196.00	6.0	Asbestos Cement	140.0	0.00	Open	0.00	0.00
P-266	358.00	6.0	Asbestos Cement	140.0	0.00	Open	-1.64	0.00
P-267	33.00	6.0	Asbestos Cement	140.0	0.00	Open	-1.64	0.00
P-268	30.00	6.0	PVC	150.0	0.00	Open	-17.19	0.00
P-269	340.00	6.0	PVC	150.0	0.00	Open	-17.19	0.01
P-270	58.00	6.0	PVC	150.0	0.00	Open	-17.19	0.00
P-271	24.00	6.0	Steel	100.0	0.00	Open	-14.41	0.00
P-272	340.00	6.0	Steel	100.0	0.00	Open	-14.41	0.02
P-273	32.00	6.0	PVC	150.0	0.00	Open	-14.41	0.00
P-274	343.00	6.0	Asbestos Cement	140.0	0.00	Open	-15.50	0.01
P-275	240.00	6.0	Asbestos Cement	140.0	0.00	Open	5.73	0.00
P-276	35.00	6.0	Asbestos Cement	140.0	0.00	Open	5.73	0.00
P-277	41.00	6.0	Asbestos Cement	140.0	0.00	Open	-10.77	0.00
P-278	42.00	6.0	Asbestos Cement	140.0	0.00	Open	-12.32	0.00
P-279	36.00	6.0	Asbestos Cement	140.0	0.00	Open	2.09	0.00
P-280	30.00	6.0	Asbestos Cement	140.0	0.00	Open	2.09	0.00
P-281	332.00	6.0	Asbestos Cement	140.0	0.00	Open	2.09	0.00
P-282	279.00	6.0	Asbestos Cement	140.0	0.00	Open	12.55	0.01
P-283	49.00	6.0	Asbestos Cement	140.0	0.00	Open	12.55	0.00
P-284	17.00	6.0	Asbestos Cement	140.0	0.00	Open	14.74	0.00
P-285	18.00	6.0	Asbestos Cement	140.0	0.00	Open	14.74	0.00
P-286	38.00	6.0	Asbestos Cement	140.0	0.00	Open	1.80	0.00
P-287	237.00	6.0	Asbestos Cement	140.0	0.00	Open	1.80	0.00
P-288	28.00	6.0	Asbestos Cement	140.0	0.00	Open	1.80	0.00
P-289	24.00	6.0	Asbestos Cement	140.0	0.00	Open	-12.68	0.00
P-290	22.00	6.0	Asbestos Cement	140.0	0.00	Open	-12.68	0.00
P-291	268.00	6.0	Asbestos Cement	140.0	0.00	Open	-12.68	0.01
P-292	246.00	6.0	Asbestos Cement	140.0	0.00	Open	-4.28	0.00
P-293	45.00	6.0	Asbestos Cement	140.0	0.00	Open	10.85	0.00
P-294	283.00	6.0	Asbestos Cement	140.0	0.00	Open	10.85	0.00
P-295	32.00	6.0	Asbestos Cement	140.0	0.00	Open	10.85	0.00
P-296	271.00	6.0	Asbestos Cement	140.0	0.00	Open	6.36	0.00
P-297	33.00	6.0	Asbestos Cement	140.0	0.00	Open	6.36	0.00
P-298	35.00	6.0	Asbestos Cement	140.0	0.00	Open	-12.40	0.00
P-299	326.00	6.0	Asbestos Cement	140.0	0.00	Open	-12.40	0.01
P-300	33.00	6.0	Asbestos Cement	140.0	0.00	Open	9.56	0.00
P-301	26.00	6.0	Asbestos Cement	140.0	0.00	Open	9.56	0.00
P-302	228.00	6.0	Asbestos Cement	140.0	0.00	Open	9.56	0.00
P-303	42.00	6.0	Asbestos Cement	140.0	0.00	Open	9.56	0.00
P-304	304.00	6.0	Asbestos Cement	140.0	0.00	Open	15.58	0.01
P-305	37.00	6.0	Asbestos Cement	140.0	0.00	Open	-16.66	0.00
P-306	298.00	6.0	Asbestos Cement	140.0	0.00	Open	-16.66	0.01
P-307	247.00	6.0	Asbestos Cement	140.0	0.00	Open	-7.15	0.00

Scenario: 3. Average Day Demand with Full Reservoirs
Steady State Analysis
Pipe Report

Label	Length (ft)	Diameter (in)	Material	Hazen-Williams C	Minor Loss Coefficient	Control Status	Discharge (gpm)	Pressure Pipe Headloss (ft)
P-308	295.00	6.0	Asbestos Cement	140.0	0.00	Open	-8.11	0.00
P-309	142.00	6.0	PVC	150.0	0.00	Open	-2.09	0.00
P-310	29.00	6.0	PVC	150.0	0.00	Open	-2.09	0.00
P-311	36.00	6.0	PVC	150.0	0.00	Open	3.77	0.00
P-312	313.00	6.0	PVC	150.0	0.00	Open	3.77	0.00
P-313	364.00	6.0	PVC	150.0	0.00	Open	5.74	0.00
P-314	37.00	6.0	PVC	150.0	0.00	Open	2.09	0.00
P-315	34.00	6.0	PVC	150.0	0.00	Open	1.56	0.00
P-316	34.00	6.0	PVC	150.0	0.00	Open	1.56	0.00
P-317	974.00	6.0	PVC	150.0	0.00	Open	1.56	0.00
P-318	42.00	6.0	PVC	150.0	0.00	Open	1.56	0.00
P-319	391.00	6.0	PVC	150.0	0.00	Open	1.48	0.00
P-320	43.00	6.0	PVC	150.0	0.00	Open	1.48	0.00
P-321	49.00	6.0	PVC	150.0	0.00	Open	0.00	0.00
P-322	613.00	6.0	PVC	150.0	0.00	Open	0.00	0.00
P-323	25.00	6.0	PVC	150.0	0.00	Open	-2.00	0.00
P-324	38.00	6.0	PVC	150.0	0.00	Open	-2.00	0.00
P-325	311.00	6.0	PVC	150.0	0.00	Open	-2.00	0.00
P-326	35.00	6.0	PVC	150.0	0.00	Open	-2.00	0.00
P-327	69.00	6.0	PVC	150.0	0.00	Open	-0.62	0.00
P-329	282.00	6.0	PVC	150.0	0.00	Open	-0.62	0.00
P-330	41.00	6.0	PVC	150.0	0.00	Open	3.34	0.00
P-331	370.00	6.0	PVC	150.0	0.00	Open	3.34	0.00
P-332	45.00	6.0	PVC	150.0	0.00	Open	1.25	0.00
P-333	390.00	6.0	PVC	150.0	0.00	Open	-0.84	0.00
P-334	347.00	6.0	PVC	150.0	0.00	Open	-5.52	0.00
P-335	37.00	6.0	PVC	150.0	0.00	Open	-5.52	0.00
P-336	40.00	6.0	PVC	150.0	0.00	Open	0.00	0.00
P-337	26.00	6.0	PVC	150.0	0.00	Open	-7.61	0.00
P-338	417.00	6.0	PVC	150.0	0.00	Open	4.23	0.00
P-339	39.00	6.0	PVC	150.0	0.00	Open	4.23	0.00
P-340	356.00	6.0	PVC	150.0	0.00	Open	-1.20	0.00
P-341	33.00	6.0	PVC	150.0	0.00	Open	0.11	0.00
P-342	34.00	6.0	PVC	150.0	0.00	Open	-3.39	0.00
P-343	302.00	6.0	PVC	150.0	0.00	Open	-3.39	0.00
P-344	351.00	6.0	PVC	150.0	0.00	Open	-5.48	0.00
P-345	36.00	6.0	PVC	150.0	0.00	Open	-3.70	0.00
P-346	32.00	6.0	PVC	150.0	0.00	Open	-3.70	0.00
P-347	362.00	6.0	PVC	150.0	0.00	Open	-3.70	0.00
P-348	42.00	6.0	PVC	150.0	0.00	Open	-3.70	0.00
P-349	25.00	6.0	PVC	150.0	0.00	Open	-11.95	0.00
P-350	52.00	6.0	PVC	150.0	0.00	Open	3.88	0.00
P-351	286.00	6.0	PVC	150.0	0.00	Open	3.88	0.00
P-352	348.00	4.0	Steel	100.0	0.00	Open	-2.09	0.00
P-353	205.00	4.0	Steel	100.0	0.00	Open	1.94	0.00
P-354	739.00	4.0	Steel	100.0	0.00	Open	1.94	0.01
P-355	365.00	4.0	Steel	100.0	0.00	Open	2.09	0.00
P-356	298.00	4.0	Steel	100.0	0.00	Open	-2.24	0.00
P-357	160.00	4.0	Steel	100.0	0.00	Open	-3.71	0.00
P-358	23.00	4.0	Asbestos Cement	140.0	0.00	Open	-3.71	0.00
P-359	14.00	4.0	Asbestos Cement	140.0	0.00	Open	-7.89	0.00

Scenario: 3. Average Day Demand with Full Reservoirs
Steady State Analysis
Pipe Report

Label	Length (ft)	Diameter (in)	Material	Hazen-Williams C	Minor Loss Coefficient	Control Status	Discharge (gpm)	Pressure Pipe Headloss (ft)
P-360	716.00	4.0	Steel	100.0	0.00	Open	-2.09	0.01
P-361	42.00	4.0	Asbestos Cement	140.0	0.00	Open	-2.17	0.00
P-362	2,041.00	4.0	Steel	100.0	0.00	Open	-2.17	0.02
P-363	305.00	4.0	Asbestos Cement	140.0	0.00	Open	-4.18	0.01
P-365	48.00	4.0	Steel	100.0	0.00	Open	5.02	0.00
P-366	390.00	4.0	Steel	100.0	0.00	Open	5.02	0.02
P-367	50.00	4.0	Steel	100.0	0.00	Open	2.93	0.00
P-368	376.00	4.0	Asbestos Cement	140.0	0.00	Open	-3.98	0.01
P-369	282.00	4.0	Steel	100.0	0.00	Open	-3.08	0.01
P-370	343.00	4.0	PVC	150.0	0.00	Open	11.36	0.04
P-371	107.00	4.0	PVC	150.0	0.00	Open	2.09	0.00
P-372	32.00	4.0	Asbestos Cement	140.0	0.00	Open	-4.15	0.00
P-373	316.00	4.0	Steel	100.0	0.00	Open	-4.15	0.01
P-374	76.00	4.0	Steel	100.0	0.00	Open	1.68	0.00
P-375	114.00	4.0	Steel	100.0	0.00	Open	2.16	0.00
P-376	306.00	4.0	Steel	100.0	0.00	Open	-6.88	0.03
P-377	56.00	4.0	Steel	100.0	0.00	Open	-6.88	0.00
P-378	181.00	4.0	Steel	100.0	0.00	Open	-21.38	0.13
P-379	176.00	4.0	Steel	100.0	0.00	Open	12.86	0.05
P-380	121.00	6.0	Asbestos Cement	140.0	0.00	Open	-10.77	0.00
P-381	172.00	4.0	Steel	100.0	0.00	Open	-30.15	0.23
P-382	248.00	4.0	Steel	100.0	0.00	Open	-30.15	0.33
P-383	24.00	4.0	PVC	150.0	0.00	Open	0.00	0.00
P-384	26.00	4.0	PVC	150.0	0.00	Open	0.00	0.00
P-385	24.00	6.0	PVC	150.0	0.00	Open	0.00	0.00
P-386	358.00	2.0	Steel	100.0	0.00	Open	0.62	0.01
P-387	672.00	2.0	Steel	100.0	0.00	Open	2.09	0.19
P-388	22.00	2.0	Cast iron	130.0	0.00	Open	4.18	0.01
P-389	85.00	2.0	Cast iron	130.0	0.00	Open	2.09	0.01
P-390	988.00	2.0	Steel	100.0	0.00	Open	2.09	0.27
P-391	183.00	2.0	Steel	100.0	0.00	Open	2.93	0.09
P-392	272.00	2.0	Steel	100.0	0.00	Open	1.88	0.06
P-393	26.00	2.0	PVC	150.0	0.00	Open	0.34	0.00
P-394	353.00	2.0	PVC	150.0	0.00	Open	0.34	0.00
P-395	29.00	2.0	PVC	150.0	0.00	Open	0.34	0.00
P-396	404.00	2.0	Steel	100.0	0.00	Open	-0.23	0.00
P-397	190.00	2.0	Steel	100.0	0.00	Open	2.09	0.05
P-398	363.00	2.0	Steel	100.0	0.00	Open	0.07	0.00
P-399	35.00	2.0	PVC	150.0	0.00	Open	-0.47	0.00
P-400	34.00	2.0	Steel	100.0	0.00	Open	1.59	0.01
P-401	37.00	2.0	Steel	100.0	0.00	Open	-0.50	0.00
P-402	234.00	2.0	Steel	100.0	0.00	Open	-0.50	0.00
P-403	537.00	2.0	Steel	100.0	0.00	Open	-0.10	0.00
P-404	588.00	2.0	Steel	100.0	0.00	Open	7.18	1.60
P-405	168.00	2.0	Steel	100.0	0.00	Open	2.09	0.05
P-406	38.00	8.0	PVC	150.0	0.00	Open	-6.12	0.00
P-407	198.00	8.0	PVC	150.0	0.00	Open	-6.12	0.00
P-408	167.00	8.0	PVC	150.0	0.00	Open	-10.30	0.00
P-409	1,170.00	8.0	PVC	150.0	0.00	Open	-12.39	0.00
P-410	40.00	8.0	PVC	150.0	0.00	Open	-12.39	0.00
P-411	30.00	8.0	PVC	150.0	0.00	Open	-10.80	0.00

Scenario: 3. Average Day Demand with Full Reservoirs
Steady State Analysis
Pipe Report

Label	Length (ft)	Diameter (in)	Material	Hazen-Williams C	Minor Loss Coefficient	Control Status	Discharge (gpm)	Pressure Pipe Headloss (ft)
P-412	61.00	8.0	PVC	150.0	0.00	Open	-13.51	0.00
P-413	146.00	8.0	PVC	150.0	0.00	Open	-13.51	0.00
P-414	576.00	8.0	PVC	150.0	0.00	Open	-27.67	0.01
P-415	37.00	8.0	PVC	150.0	0.00	Open	-27.67	0.00
P-416	209.00	8.0	PVC	150.0	0.00	Open	-27.67	0.00
P-417	37.00	8.0	PVC	150.0	0.00	Open	-27.67	0.00
P-418	31.00	8.0	PVC	150.0	0.00	Open	-22.37	0.00
P-419	154.00	8.0	PVC	150.0	0.00	Open	-22.37	0.00
P-420	693.00	8.0	PVC	150.0	0.00	Open	-22.37	0.01
P-421	25.00	8.0	PVC	150.0	0.00	Open	-22.37	0.00
P-422	24.00	12.0	PVC	141.0	0.00	Open	-36.03	0.00
P-423	32.00	8.0	PVC	150.0	0.00	Open	-21.98	0.00
P-424	26.00	8.0	PVC	150.0	0.00	Open	-3.68	0.00
P-425	474.00	8.0	PVC	150.0	0.00	Open	-3.68	0.00
P-426	38.00	8.0	PVC	150.0	0.00	Open	-3.68	0.00
P-427	133.00	8.0	PVC	150.0	0.00	Open	-5.77	0.00
P-428	27.00	8.0	PVC	150.0	0.00	Open	-5.77	0.00
P-429	38.00	8.0	PVC	150.0	0.00	Open	2.09	0.00
P-430	33.00	8.0	PVC	150.0	0.00	Open	2.09	0.00
P-431	18.00	8.0	PVC	150.0	0.00	Open	-9.95	0.00
P-432	197.00	8.0	PVC	150.0	0.00	Open	-9.95	0.00
P-433	184.00	8.0	PVC	150.0	0.00	Open	-9.95	0.00
P-434	240.00	8.0	PVC	150.0	0.00	Open	-14.13	0.00
P-435	108.00	8.0	PVC	150.0	0.00	Open	-14.13	0.00
P-436	48.00	8.0	PVC	150.0	0.00	Open	-14.13	0.00
P-437	494.00	8.0	PVC	150.0	0.00	Open	-14.06	0.00
P-438	110.00	8.0	PVC	150.0	0.00	Open	-16.15	0.00
P-439	141.00	8.0	PVC	150.0	0.00	Open	-16.15	0.00
P-440	261.00	8.0	PVC	150.0	0.00	Open	2.09	0.00
P-441	511.00	8.0	PVC	150.0	0.00	Open	-20.33	0.01
P-442	773.00	8.0	PVC	150.0	0.00	Open	-20.33	0.01
P-443	193.00	8.0	PVC	150.0	0.00	Open	-20.33	0.00
P-444	353.00	8.0	PVC	150.0	0.00	Open	-20.33	0.00
P-445	848.00	8.0	PVC	150.0	0.00	Open	-9.38	0.00
P-446	621.00	8.0	PVC	150.0	0.00	Open	-9.38	0.00
P-447	32.00	8.0	PVC	150.0	0.00	Open	-9.38	0.00
P-448	39.00	8.0	Asbestos Cement	140.0	0.00	Open	-3.52	0.00
P-449	12.00	8.0	Asbestos Cement	140.0	0.00	Open	20.40	0.00
P-450	60.00	8.0	Asbestos Cement	140.0	0.00	Open	2.17	0.00
P-451	31.00	8.0	Asbestos Cement	140.0	0.00	Open	16.14	0.00
P-452	271.00	8.0	PVC	150.0	0.00	Open	16.14	0.00
P-453	31.00	8.0	PVC	150.0	0.00	Open	16.14	0.00
P-454	27.00	8.0	PVC	150.0	0.00	Open	11.57	0.00
P-455	22.00	8.0	PVC	150.0	0.00	Open	-13.04	0.00
P-456	172.00	8.0	PVC	150.0	0.00	Open	-13.04	0.00
P-457	837.00	8.0	PVC	150.0	0.00	Open	-13.04	0.00
P-458	400.00	8.0	PVC	150.0	0.00	Open	-13.04	0.00
P-459	30.00	8.0	PVC	150.0	0.00	Open	-13.04	0.00
P-460	45.00	8.0	Asbestos Cement	140.0	0.00	Open	7.95	0.00
P-461	32.00	8.0	Asbestos Cement	140.0	0.00	Open	7.95	0.00
P-462	368.00	8.0	Asbestos Cement	140.0	0.00	Open	-25.64	0.01

Scenario: 3. Average Day Demand with Full Reservoirs
Steady State Analysis
Pipe Report

Label	Length (ft)	Diameter (in)	Material	Hazen-Williams C	Minor Loss Coefficient	Control Status	Discharge (gpm)	Pressure Pipe Headloss (ft)
P-463	41.00	8.0	Asbestos Cement	140.0	0.00	Open	-25.64	0.00
P-464	476.00	8.0	Asbestos Cement	140.0	0.00	Open	-19.83	0.01
P-465	25.00	8.0	Asbestos Cement	140.0	0.00	Open	-19.83	0.00
P-466	21.00	8.0	PVC	150.0	0.00	Open	-19.83	0.00
P-467	34.00	8.0	PVC	150.0	0.00	Open	-19.82	0.00
P-468	37.00	8.0	Asbestos Cement	140.0	0.00	Open	2.71	0.00
P-469	37.00	8.0	PVC	150.0	0.00	Open	-24.62	0.00
P-470	378.00	8.0	PVC	150.0	0.00	Open	-24.62	0.01
P-471	40.00	8.0	PVC	150.0	0.00	Open	-24.62	0.00
P-472	22.00	8.0	Asbestos Cement	140.0	0.00	Open	-32.07	0.00
P-473	50.00	8.0	Asbestos Cement	140.0	0.00	Open	-32.07	0.00
P-474	215.00	8.0	Asbestos Cement	140.0	0.00	Open	-32.07	0.01
P-475	40.00	8.0	Asbestos Cement	140.0	0.00	Open	-32.07	0.00
P-476	26.00	8.0	Asbestos Cement	140.0	0.00	Open	16.42	0.00
P-477	26.00	8.0	Asbestos Cement	140.0	0.00	Open	16.42	0.00
P-478	37.00	8.0	Asbestos Cement	140.0	0.00	Open	36.20	0.00
P-479	39.00	8.0	Asbestos Cement	140.0	0.00	Open	36.20	0.00
P-480	381.00	8.0	Asbestos Cement	140.0	0.00	Open	36.20	0.01
P-481	13.00	8.0	Asbestos Cement	140.0	0.00	Open	36.82	0.00
P-482	18.00	8.0	Asbestos Cement	140.0	0.00	Open	36.82	0.00
P-483	26.00	8.0	Asbestos Cement	140.0	0.00	Open	17.53	0.00
P-484	471.00	8.0	Asbestos Cement	140.0	0.00	Open	17.53	0.00
P-485	25.00	8.0	Asbestos Cement	140.0	0.00	Open	17.53	0.00
P-486	38.00	8.0	Asbestos Cement	140.0	0.00	Open	26.01	0.00
P-487	36.00	8.0	Asbestos Cement	140.0	0.00	Open	26.01	0.00
P-488	482.00	8.0	Asbestos Cement	140.0	0.00	Open	26.01	0.01
P-489	39.00	8.0	Asbestos Cement	140.0	0.00	Open	-0.36	0.00
P-490	35.00	8.0	Asbestos Cement	140.0	0.00	Open	-10.93	0.00
P-491	74.00	8.0	Asbestos Cement	140.0	0.00	Open	-10.93	0.00
P-492	27.00	8.0	Asbestos Cement	140.0	0.00	Open	-10.93	0.00
P-493	29.00	8.0	Asbestos Cement	140.0	0.00	Open	2.09	0.00
P-494	18.00	8.0	Asbestos Cement	140.0	0.00	Open	2.09	0.00
P-495	28.00	6.0	Asbestos Cement	140.0	0.00	Open	0.00	0.00
P-496	24.00	6.0	Asbestos Cement	140.0	0.00	Open	-0.00	0.00
P-497	30.00	8.0	PVC	150.0	0.00	Open	-15.11	0.00
P-498	472.00	8.0	PVC	150.0	0.00	Open	-15.11	0.00
P-499	21.00	8.0	PVC	150.0	0.00	Open	-15.11	0.00
P-500	109.00	8.0	PVC	150.0	0.00	Open	-17.20	0.00
P-501	27.00	8.0	PVC	150.0	0.00	Open	-17.20	0.00
P-502	243.00	8.0	PVC	150.0	0.00	Open	-26.16	0.00
P-503	24.00	8.0	PVC	150.0	0.00	Open	-26.16	0.00
P-504	63.00	8.0	PVC	150.0	0.00	Open	0.00	0.00
P-505	418.00	8.0	PVC	150.0	0.00	Open	0.00	0.00
P-506	31.00	8.0	PVC	150.0	0.00	Open	0.00	0.00
P-507	314.00	8.0	PVC	150.0	0.00	Open	0.00	0.00
P-508	32.00	8.0	PVC	150.0	0.00	Open	-28.25	0.00
P-509	18.00	8.0	PVC	150.0	0.00	Open	-28.25	0.00
P-510	656.00	8.0	PVC	150.0	0.00	Open	-28.25	0.01
P-511	393.00	8.0	PVC	150.0	0.00	Open	-28.25	0.01
P-512	17.00	8.0	PVC	150.0	0.00	Open	-28.25	0.00
P-513	51.00	8.0	PVC	150.0	0.00	Open	-30.34	0.00

Scenario: 3. Average Day Demand with Full Reservoirs
Steady State Analysis
Pipe Report

Label	Length (ft)	Diameter (in)	Material	Hazen-Williams C	Minor Loss Coefficient	Control Status	Discharge (gpm)	Pressure Pipe Headloss (ft)
P-514	251.00	8.0	PVC	150.0	0.00	Open	-30.34	0.01
P-515	35.00	8.0	Asbestos Cement	140.0	0.00	Open	-30.34	0.00
P-516	44.00	8.0	Asbestos Cement	140.0	0.00	Open	-52.21	0.00
P-517	294.00	8.0	Asbestos Cement	140.0	0.00	Open	-52.21	0.02
P-518	305.00	8.0	Asbestos Cement	140.0	0.00	Open	50.57	0.02
P-519	47.00	8.0	Asbestos Cement	140.0	0.00	Open	50.57	0.00
P-520	169.00	8.0	Asbestos Cement	140.0	0.00	Open	-104.87	0.04
P-521	29.00	8.0	Asbestos Cement	140.0	0.00	Open	5.36	0.00
P-522	36.00	8.0	Asbestos Cement	140.0	0.00	Open	5.36	0.00
P-523	201.00	8.0	Asbestos Cement	140.0	0.00	Open	5.36	0.00
P-524	58.00	8.0	Asbestos Cement	140.0	0.00	Open	5.36	0.00
P-525	37.00	8.0	Asbestos Cement	140.0	0.00	Open	3.98	0.00
P-526	48.00	8.0	Asbestos Cement	140.0	0.00	Open	-0.71	0.00
P-527	32.00	8.0	PVC	150.0	0.00	Open	22.02	0.00
P-528	30.00	8.0	Asbestos Cement	140.0	0.00	Open	10.63	0.00
P-529	45.00	8.0	PVC	150.0	0.00	Open	22.02	0.00
P-530	126.00	8.0	PVC	150.0	0.00	Open	22.02	0.00
P-531	43.00	8.0	PVC	150.0	0.00	Open	22.02	0.00
P-532	26.00	8.0	PVC	150.0	0.00	Open	22.02	0.00
P-533	24.00	8.0	PVC	150.0	0.00	Open	22.02	0.00
P-534	27.00	8.0	PVC	150.0	0.00	Open	19.93	0.00
P-535	20.00	8.0	PVC	150.0	0.00	Open	11.12	0.00
P-536	133.00	8.0	PVC	150.0	0.00	Open	11.12	0.00
P-537	122.00	8.0	PVC	150.0	0.00	Open	8.69	0.00
P-538	82.00	8.0	Asbestos Cement	140.0	0.00	Open	17.95	0.00
P-539	265.00	8.0	Asbestos Cement	140.0	0.00	Open	17.95	0.00
P-540	30.00	8.0	Asbestos Cement	140.0	0.00	Open	17.95	0.00
P-541	59.00	8.0	Asbestos Cement	140.0	0.00	Open	20.94	0.00
P-542	215.00	8.0	Asbestos Cement	140.0	0.00	Open	20.94	0.00
P-543	48.00	8.0	Asbestos Cement	140.0	0.00	Open	20.94	0.00
P-544	28.00	8.0	Asbestos Cement	140.0	0.00	Open	-4.91	0.00
P-545	274.00	8.0	Asbestos Cement	140.0	0.00	Open	23.76	0.00
P-546	40.00	8.0	Asbestos Cement	140.0	0.00	Open	23.76	0.00
P-547	35.00	8.0	Asbestos Cement	140.0	0.00	Open	-5.07	0.00
P-548	67.00	8.0	Asbestos Cement	140.0	0.00	Open	26.75	0.00
P-549	257.00	8.0	Asbestos Cement	140.0	0.00	Open	26.75	0.01
P-550	35.00	8.0	Asbestos Cement	140.0	0.00	Open	-4.14	0.00
P-551	37.00	8.0	Asbestos Cement	140.0	0.00	Open	28.79	0.00
P-552	37.00	8.0	PVC	150.0	0.00	Open	4.86	0.00
P-553	117.00	8.0	PVC	150.0	0.00	Open	4.86	0.00
P-554	96.00	8.0	PVC	150.0	0.00	Open	3.10	0.00
P-555	23.00	8.0	PVC	150.0	0.00	Open	3.10	0.00
P-556	34.00	8.0	PVC	150.0	0.00	Open	3.10	0.00
P-557	22.00	8.0	PVC	150.0	0.00	Open	3.96	0.00
P-558	41.00	8.0	PVC	150.0	0.00	Open	5.72	0.00
P-559	209.00	8.0	PVC	150.0	0.00	Open	5.72	0.00
P-560	28.00	8.0	PVC	150.0	0.00	Open	5.72	0.00
P-561	23.00	8.0	PVC	150.0	0.00	Open	5.72	0.00
P-562	53.00	8.0	PVC	150.0	0.00	Open	4.95	0.00
P-563	62.00	8.0	PVC	150.0	0.00	Open	4.95	0.00
P-564	172.00	8.0	PVC	150.0	0.00	Open	4.95	0.00

Scenario: 3. Average Day Demand with Full Reservoirs
Steady State Analysis
Pipe Report

Label	Length (ft)	Diameter (in)	Material	Hazen-Williams C	Minor Loss Coefficient	Control Status	Discharge (gpm)	Pressure Pipe Headloss (ft)
P-565	67.00	8.0	PVC	150.0	0.00	Open	4.95	0.00
P-566	35.00	8.0	Asbestos Cement	140.0	0.00	Open	13.94	0.00
P-567	42.00	8.0	Asbestos Cement	140.0	0.00	Open	-2.72	0.00
P-568	438.00	8.0	Asbestos Cement	140.0	0.00	Open	14.56	0.00
P-569	34.00	8.0	Asbestos Cement	140.0	0.00	Open	14.56	0.00
P-570	30.00	8.0	Asbestos Cement	140.0	0.00	Open	6.86	0.00
P-571	51.00	8.0	Asbestos Cement	140.0	0.00	Open	5.61	0.00
P-572	583.00	8.0	Asbestos Cement	140.0	0.00	Open	5.61	0.00
P-573	36.00	8.0	Asbestos Cement	140.0	0.00	Open	2.09	0.00
P-574	30.00	8.0	Asbestos Cement	140.0	0.00	Open	1.43	0.00
P-575	34.00	8.0	Asbestos Cement	140.0	0.00	Open	0.23	0.00
P-576	13.00	8.0	Asbestos Cement	140.0	0.00	Open	-0.89	0.00
P-577	33.00	8.0	Asbestos Cement	140.0	0.00	Open	-0.89	0.00
P-578	284.00	8.0	Asbestos Cement	140.0	0.00	Open	-0.89	0.00
P-579	31.00	8.0	Asbestos Cement	140.0	0.00	Open	0.46	0.00
P-580	31.00	8.0	Asbestos Cement	140.0	0.00	Open	3.84	0.00
P-581	40.00	8.0	Asbestos Cement	140.0	0.00	Open	-7.28	0.00
P-582	43.00	8.0	Asbestos Cement	140.0	0.00	Open	-7.28	0.00
P-583	238.00	8.0	Asbestos Cement	140.0	0.00	Open	-7.28	0.00
P-584	47.00	8.0	Asbestos Cement	140.0	0.00	Open	-7.28	0.00
P-585	231.00	8.0	Asbestos Cement	140.0	0.00	Open	-7.28	0.00
P-586	348.00	8.0	Asbestos Cement	140.0	0.00	Open	22.37	0.00
P-587	28.00	8.0	Asbestos Cement	140.0	0.00	Open	-4.15	0.00
P-588	45.00	8.0	Asbestos Cement	140.0	0.00	Open	7.34	0.00
P-589	36.00	8.0	Asbestos Cement	140.0	0.00	Open	17.09	0.00
P-590	236.00	8.0	Asbestos Cement	140.0	0.00	Open	17.09	0.00
P-591	25.00	8.0	Asbestos Cement	140.0	0.00	Open	17.09	0.00
P-592	22.00	8.0	Asbestos Cement	140.0	0.00	Open	32.19	0.00
P-593	35.00	8.0	Asbestos Cement	140.0	0.00	Open	21.98	0.00
P-594	278.00	8.0	Asbestos Cement	140.0	0.00	Open	21.98	0.00
P-595	42.00	8.0	Asbestos Cement	140.0	0.00	Open	9.09	0.00
P-596	15.00	8.0	Asbestos Cement	140.0	0.00	Open	10.80	0.00
P-597	32.00	8.0	Asbestos Cement	140.0	0.00	Open	-14.41	0.00
P-598	284.00	8.0	Asbestos Cement	140.0	0.00	Open	23.12	0.00
P-599	25.00	8.0	Asbestos Cement	140.0	0.00	Open	23.12	0.00
P-600	21.00	8.0	Asbestos Cement	140.0	0.00	Open	-0.06	0.00
P-601	20.00	8.0	Asbestos Cement	140.0	0.00	Open	-0.06	0.00
P-602	27.00	8.0	Asbestos Cement	140.0	0.00	Open	-15.50	0.00
P-603	40.00	8.0	Asbestos Cement	140.0	0.00	Open	21.08	0.00
P-605	42.00	8.0	PVC	150.0	0.00	Open	13.36	0.00
P-606	26.00	8.0	PVC	150.0	0.00	Open	11.27	0.00
P-607	19.00	8.0	PVC	150.0	0.00	Open	11.27	0.00
P-608	190.00	8.0	PVC	150.0	0.00	Open	11.27	0.00
P-609	26.00	8.0	PVC	150.0	0.00	Open	11.27	0.00
P-610	33.00	8.0	PVC	150.0	0.00	Open	11.27	0.00
P-611	81.00	8.0	PVC	150.0	0.00	Open	-14.59	0.00
P-612	334.00	8.0	PVC	150.0	0.00	Open	-14.59	0.00
P-613	32.00	8.0	PVC	150.0	0.00	Open	22.82	0.00
P-614	359.00	8.0	PVC	150.0	0.00	Open	22.82	0.00
P-615	49.00	8.0	PVC	150.0	0.00	Open	-5.38	0.00
P-616	73.00	8.0	PVC	150.0	0.00	Open	26.10	0.00

Scenario: 3. Average Day Demand with Full Reservoirs
Steady State Analysis
Pipe Report

Label	Length (ft)	Diameter (in)	Material	Hazen-Williams C	Minor Loss Coefficient	Control Status	Discharge (gpm)	Pressure Pipe Headloss (ft)
P-617	365.00	8.0	PVC	150.0	0.00	Open	26.10	0.01
P-618	252.00	8.0	PVC	150.0	0.00	Open	26.10	0.00
P-619	50.00	8.0	PVC	150.0	0.00	Open	26.10	0.00
P-620	32.00	8.0	PVC	150.0	0.00	Open	26.10	0.00
P-621	36.00	8.0	PVC	150.0	0.00	Open	-1.93	0.00
P-622	343.00	8.0	PVC	150.0	0.00	Open	-1.93	0.00
P-623	235.00	8.0	PVC	150.0	0.00	Open	2.40	0.00
P-624	23.00	8.0	PVC	150.0	0.00	Open	2.40	0.00
P-625	28.00	8.0	PVC	150.0	0.00	Open	12.55	0.00
P-626	34.00	8.0	PVC	150.0	0.00	Open	-12.24	0.00
P-627	30.00	8.0	PVC	150.0	0.00	Open	12.68	0.00
P-628	24.00	8.0	PVC	150.0	0.00	Open	12.68	0.00
P-629	217.00	8.0	PVC	150.0	0.00	Open	12.68	0.00
P-630	36.00	8.0	PVC	150.0	0.00	Open	12.68	0.00
P-631	39.00	8.0	PVC	150.0	0.00	Open	12.68	0.00
P-632	23.00	8.0	PVC	150.0	0.00	Open	-27.02	0.00
P-633	375.00	8.0	PVC	150.0	0.00	Open	-27.02	0.01
P-634	86.00	8.0	PVC	150.0	0.00	Open	-49.46	0.00
P-635	34.00	8.0	PVC	150.0	0.00	Open	-0.46	0.00
P-636	201.00	8.0	PVC	150.0	0.00	Open	-0.46	0.00
P-637	26.00	8.0	PVC	150.0	0.00	Open	-0.46	0.00
P-638	53.00	8.0	PVC	150.0	0.00	Open	7.47	0.00
P-639	19.00	8.0	PVC	150.0	0.00	Open	-51.74	0.00
P-640	19.00	8.0	PVC	150.0	0.00	Open	-51.74	0.00
P-641	30.00	8.0	PVC	150.0	0.00	Open	-12.32	0.00
P-642	185.00	8.0	PVC	150.0	0.00	Open	-12.32	0.00
P-643	21.00	8.0	Asbestos Cement	140.0	0.00	Open	-12.32	0.00
P-644	28.00	8.0	PVC	150.0	0.00	Open	-41.51	0.00
P-645	68.00	8.0	PVC	150.0	0.00	Open	-41.51	0.00
P-646	371.00	8.0	PVC	150.0	0.00	Open	-41.51	0.01
P-647	104.00	8.0	PVC	150.0	0.00	Open	-41.51	0.00
P-648	43.00	8.0	PVC	150.0	0.00	Open	-41.51	0.00
P-649	39.00	8.0	PVC	150.0	0.00	Open	-43.60	0.00
P-650	161.00	8.0	PVC	150.0	0.00	Open	-43.60	0.01
P-651	354.00	8.0	PVC	150.0	0.00	Open	-43.60	0.02
P-652	76.00	8.0	PVC	150.0	0.00	Open	-43.60	0.00
P-653	50.00	8.0	PVC	150.0	0.00	Open	-43.60	0.00
P-654	42.00	8.0	PVC	150.0	0.00	Open	12.86	0.00
P-655	63.00	8.0	PVC	150.0	0.00	Open	-58.55	0.00
P-656	339.00	8.0	PVC	150.0	0.00	Open	-58.55	0.02
P-657	35.00	8.0	PVC	150.0	0.00	Open	-58.55	0.00
P-658	24.00	8.0	PVC	150.0	0.00	Open	0.00	0.00
P-659	29.00	8.0	PVC	150.0	0.00	Open	-60.64	0.00
P-660	34.00	8.0	PVC	150.0	0.00	Open	-60.64	0.00
P-661	237.00	8.0	PVC	150.0	0.00	Open	-60.64	0.02
P-662	28.00	8.0	PVC	150.0	0.00	Open	-60.64	0.00
P-663	67.00	8.0	PVC	150.0	0.00	Open	-17.90	0.00
P-664	33.00	8.0	PVC	150.0	0.00	Open	25.94	0.00
P-665	314.00	8.0	PVC	150.0	0.00	Open	25.94	0.01
P-666	27.00	8.0	PVC	150.0	0.00	Open	25.94	0.00
P-667	25.00	8.0	PVC	150.0	0.00	Open	0.00	0.00

Scenario: 3. Average Day Demand with Full Reservoirs
Steady State Analysis
Pipe Report

Label	Length (ft)	Diameter (in)	Material	Hazen-Williams C	Minor Loss Coefficient	Control Status	Discharge (gpm)	Pressure Pipe Headloss (ft)
P-668	46.00	8.0	PVC	150.0	0.00	Open	23.85	0.00
P-669	262.00	8.0	PVC	150.0	0.00	Open	23.85	0.00
P-670	52.00	8.0	PVC	150.0	0.00	Open	23.85	0.00
P-671	26.00	8.0	PVC	150.0	0.00	Open	-1.65	0.00
P-672	37.00	8.0	PVC	150.0	0.00	Open	25.49	0.00
P-673	86.00	8.0	PVC	150.0	0.00	Open	25.49	0.00
P-674	24.00	8.0	PVC	150.0	0.00	Open	25.49	0.00
P-675	26.00	8.0	PVC	150.0	0.00	Open	3.37	0.00
P-676	25.00	8.0	PVC	150.0	0.00	Open	20.03	0.00
P-677	165.00	8.0	PVC	150.0	0.00	Open	20.03	0.00
P-678	29.00	8.0	PVC	150.0	0.00	Open	17.94	0.00
P-679	28.00	8.0	PVC	150.0	0.00	Open	15.85	0.00
P-680	113.00	8.0	PVC	150.0	0.00	Open	13.76	0.00
P-681	28.00	8.0	PVC	150.0	0.00	Open	0.00	0.00
P-682	44.00	8.0	PVC	150.0	0.00	Open	11.67	0.00
P-683	41.00	8.0	PVC	150.0	0.00	Open	11.67	0.00
P-684	51.00	8.0	PVC	150.0	0.00	Open	-3.77	0.00
P-685	34.00	8.0	PVC	150.0	0.00	Open	11.95	0.00
P-686	48.00	8.0	PVC	150.0	0.00	Open	11.95	0.00
P-687	535.00	8.0	PVC	150.0	0.00	Open	11.95	0.00
P-688	47.00	8.0	PVC	150.0	0.00	Open	11.95	0.00
P-689	39.00	8.0	PVC	150.0	0.00	Open	-13.94	0.00
P-690	260.00	8.0	PVC	150.0	0.00	Open	-13.94	0.00
P-691	30.00	8.0	PVC	150.0	0.00	Open	-13.94	0.00
P-692	41.00	8.0	PVC	150.0	0.00	Open	-7.78	0.00
P-693	274.00	8.0	PVC	150.0	0.00	Open	-7.78	0.00
P-694	48.00	8.0	PVC	150.0	0.00	Open	0.11	0.00
P-695	475.00	8.0	PVC	150.0	0.00	Open	-1.98	0.00
P-696	109.00	8.0	PVC	150.0	0.00	Open	-4.07	0.00
P-697	665.00	8.0	PVC	150.0	0.00	Open	-8.25	0.00
P-698	153.00	8.0	PVC	150.0	0.00	Open	2.09	0.00
P-699	173.00	8.0	PVC	150.0	0.00	Open	-0.00	0.00
P-700	36.00	8.0	PVC	150.0	0.00	Open	-0.00	0.00
P-701	27.00	8.0	PVC	150.0	0.00	Open	41.64	0.00
P-702	216.00	8.0	PVC	150.0	0.00	Open	41.64	0.01
P-704	27.00	8.0	PVC	150.0	0.00	Open	-43.74	0.00
P-705	22.00	8.0	PVC	150.0	0.00	Open	-43.74	0.00
P-706	168.00	8.0	PVC	150.0	0.00	Open	-43.74	0.01
P-707	30.00	8.0	PVC	150.0	0.00	Open	-43.74	0.00
P-708	26.00	8.0	PVC	150.0	0.00	Open	-49.40	0.00
P-709	22.00	8.0	PVC	150.0	0.00	Open	-49.40	0.00
P-710	241.00	8.0	PVC	150.0	0.00	Open	-49.40	0.01
P-711	28.00	8.0	PVC	150.0	0.00	Open	-49.40	0.00
P-712	24.00	8.0	PVC	150.0	0.00	Open	-49.40	0.00
P-713	37.00	8.0	PVC	150.0	0.00	Open	-12.41	0.00
P-714	253.00	8.0	PVC	150.0	0.00	Open	-12.41	0.00
P-715	71.00	8.0	PVC	150.0	0.00	Open	-12.41	0.00
P-716	433.00	8.0	Asbestos Cement	140.0	0.00	Open	1.52	0.00
P-717	46.00	8.0	Asbestos Cement	140.0	0.00	Open	3.77	0.00
P-718	37.00	8.0	Asbestos Cement	140.0	0.00	Open	-4.34	0.00
P-719	353.00	8.0	Asbestos Cement	140.0	0.00	Open	-4.34	0.00

Scenario: 3. Average Day Demand with Full Reservoirs
Steady State Analysis
Pipe Report

Label	Length (ft)	Diameter (in)	Material	Hazen-Williams C	Minor Loss Coefficient	Control Status	Discharge (gpm)	Pressure Pipe Headloss (ft)
P-720	26.00	8.0	Asbestos Cement	140.0	0.00	Open	-4.34	0.00
P-721	61.00	8.0	Asbestos Cement	140.0	0.00	Open	8.81	0.00
P-722	60.00	8.0	Asbestos Cement	140.0	0.00	Open	-15.24	0.00
P-723	41.00	8.0	Asbestos Cement	140.0	0.00	Open	-13.36	0.00
P-724	28.00	8.0	Asbestos Cement	140.0	0.00	Open	-3.97	0.00
P-725	94.00	8.0	Asbestos Cement	140.0	0.00	Open	-3.97	0.00
P-726	48.00	8.0	Asbestos Cement	140.0	0.00	Open	-15.41	0.00
P-727	426.00	8.0	Asbestos Cement	140.0	0.00	Open	9.35	0.00
P-728	46.00	8.0	Asbestos Cement	140.0	0.00	Open	7.25	0.00
P-729	78.00	8.0	Asbestos Cement	140.0	0.00	Open	0.00	0.00
P-730	74.00	10.0	D. I.	130.0	0.00	Open	182.23	0.02
P-731	87.00	10.0	D. I.	130.0	0.00	Open	182.23	0.02
P-732	25.00	10.0	Asbestos Cement	140.0	0.00	Open	18.29	0.00
P-733	325.00	10.0	D. I.	130.0	0.00	Open	161.84	0.07
P-734	27.00	10.0	Asbestos Cement	140.0	0.00	Open	-16.20	0.00
P-735	31.00	10.0	Asbestos Cement	140.0	0.00	Open	5.02	0.00
P-736	238.00	10.0	D. I.	130.0	0.00	Open	170.94	0.06
P-737	261.00	10.0	D. I.	130.0	0.00	Open	133.11	0.04
P-738	34.00	10.0	D. I.	130.0	0.00	Open	133.11	0.01
P-739	69.00	10.0	PVC	150.0	0.00	Open	-21.98	0.00
P-740	55.00	10.0	PVC	150.0	0.00	Open	-21.98	0.00
P-741	35.00	10.0	PVC	150.0	0.00	Open	-26.16	0.00
P-742	191.00	10.0	PVC	150.0	0.00	Open	2.09	0.00
P-743	32.00	10.0	PVC	150.0	0.00	Open	-26.25	0.00
P-744	586.00	10.0	PVC	150.0	0.00	Open	-26.25	0.00
P-745	288.00	10.0	PVC	150.0	0.00	Open	-26.25	0.00
P-746	26.00	10.0	PVC	150.0	0.00	Open	-26.25	0.00
P-747	160.00	10.0	PVC	150.0	0.00	Open	-2.09	0.00
P-748	159.00	10.0	PVC	150.0	0.00	Open	-2.09	0.00
P-749	39.00	10.0	PVC	150.0	0.00	Open	4.07	0.00
P-750	37.00	10.0	PVC	150.0	0.00	Open	-8.25	0.00
P-751	338.00	10.0	PVC	150.0	0.00	Open	-1.65	0.00
P-752	41.00	10.0	PVC	150.0	0.00	Open	-1.65	0.00
P-753	29.00	10.0	PVC	150.0	0.00	Open	-5.38	0.00
P-754	305.00	10.0	PVC	150.0	0.00	Open	-5.38	0.00
P-755	25.00	10.0	PVC	150.0	0.00	Open	-7.47	0.00
P-756	30.00	10.0	PVC	150.0	0.00	Open	-131.35	0.00
P-757	169.00	10.0	PVC	150.0	0.00	Open	-131.35	0.02
P-758	29.00	10.0	D. I.	130.0	0.00	Open	2.09	0.00
P-759	366.00	10.0	D. I.	130.0	0.00	Open	-136.00	0.06
P-760	38.00	10.0	D. I.	130.0	0.00	Open	-136.00	0.01
P-761	43.00	10.0	D. I.	130.0	0.00	Open	-180.83	0.01
P-762	294.00	10.0	D. I.	130.0	0.00	Open	-180.83	0.08
P-763	52.00	10.0	D. I.	130.0	0.00	Open	53.38	0.00
P-764	261.00	10.0	D. I.	130.0	0.00	Open	53.38	0.01
P-765	20.00	10.0	D. I.	130.0	0.00	Open	200.07	0.01
P-766	37.00	10.0	PVC	150.0	0.00	Open	40.14	0.00
P-767	26.00	10.0	D. I.	130.0	0.00	Open	157.84	0.01
P-768	268.00	10.0	D. I.	130.0	0.00	Open	157.84	0.05
P-769	27.00	10.0	D. I.	130.0	0.00	Open	157.84	0.01
P-770	29.00	10.0	D. I.	130.0	0.00	Open	118.76	0.00

Scenario: 3. Average Day Demand with Full Reservoirs
Steady State Analysis
Pipe Report

Label	Length (ft)	Diameter (in)	Material	Hazen-Williams C	Minor Loss Coefficient	Control Status	Discharge (gpm)	Pressure Pipe Headloss (ft)
P-771	232.00	10.0	D. I.	130.0	0.00	Open	118.76	0.03
P-772	28.00	10.0	D. I.	130.0	0.00	Open	116.67	0.00
P-773	76.00	10.0	D. I.	130.0	0.00	Open	116.67	0.01
P-774	14.00	10.0	D. I.	130.0	0.00	Open	47.45	0.00
P-775	188.00	10.0	D. I.	130.0	0.00	Open	47.45	0.00
P-776	37.00	10.0	D. I.	130.0	0.00	Open	67.12	0.00
P-777	303.00	10.0	D. I.	130.0	0.00	Open	67.12	0.01
P-778	217.00	10.0	D. I.	130.0	0.00	Open	67.12	0.01
P-779	32.00	10.0	D. I.	130.0	0.00	Open	67.12	0.00
P-780	26.00	10.0	D. I.	130.0	0.00	Open	101.64	0.00
P-781	207.00	10.0	D. I.	130.0	0.00	Open	101.64	0.02
P-782	147.00	10.0	D. I.	130.0	0.00	Open	-236.30	0.06
P-783	40.00	10.0	D. I.	130.0	0.00	Open	-148.78	0.01
P-784	312.00	10.0	D. I.	130.0	0.00	Open	-148.78	0.06
P-785	57.00	10.0	D. I.	130.0	0.00	Open	-172.25	0.01
P-786	151.00	10.0	D. I.	130.0	0.00	Open	-172.25	0.04
P-787	85.00	10.0	D. I.	130.0	0.00	Open	-172.25	0.02
P-788	239.00	12.0	PVC	150.0	0.00	Open	-7.39	0.00
P-789	33.00	12.0	PVC	150.0	0.00	Open	-7.39	0.00
P-790	295.00	12.0	PVC	150.0	0.00	Open	-7.39	0.00
P-791	203.00	12.0	PVC	150.0	0.00	Open	92.06	0.00
P-792	31.00	12.0	PVC	150.0	0.00	Open	92.06	0.00
P-793	42.00	12.0	PVC	150.0	0.00	Open	92.06	0.00
P-794	157.00	12.0	PVC	150.0	0.00	Open	80.92	0.00
P-795	34.00	12.0	PVC	150.0	0.00	Open	0.00	0.00
P-796	153.00	12.0	PVC	150.0	0.00	Open	78.83	0.00
P-797	23.00	12.0	Asbestos Cement	140.0	0.00	Open	38.06	0.00
P-798	18.00	12.0	PVC	150.0	0.00	Open	78.83	0.00
P-799	42.00	12.0	PVC	150.0	0.00	Open	-3.82	0.00
P-800	23.00	12.0	PVC	150.0	0.00	Open	40.78	0.00
P-801	267.00	12.0	PVC	150.0	0.00	Open	80.56	0.00
P-802	26.00	12.0	PVC	150.0	0.00	Open	80.56	0.00
P-803	38.00	12.0	PVC	150.0	0.00	Open	-8.65	0.00
P-804	25.00	12.0	PVC	150.0	0.00	Open	87.12	0.00
P-805	34.00	12.0	PVC	150.0	0.00	Open	87.12	0.00
P-806	224.00	12.0	PVC	150.0	0.00	Open	87.12	0.00
P-807	34.00	12.0	PVC	150.0	0.00	Open	87.12	0.00
P-808	24.00	12.0	PVC	150.0	0.00	Open	87.12	0.00
P-809	40.00	12.0	PVC	150.0	0.00	Open	5.45	0.00
P-810	28.00	12.0	PVC	150.0	0.00	Open	0.00	0.00
P-811	317.00	12.0	PVC	150.0	0.00	Open	79.58	0.01
P-812	21.00	12.0	PVC	150.0	0.00	Open	79.58	0.00
P-813	48.00	12.0	PVC	150.0	0.00	Open	104.87	0.00
P-814	42.00	12.0	PVC	150.0	0.00	Open	-27.38	0.00
P-815	38.00	12.0	PVC	150.0	0.00	Open	-27.38	0.00
P-816	308.00	12.0	PVC	150.0	0.00	Open	-27.38	0.00
P-817	36.00	12.0	PVC	150.0	0.00	Open	-27.38	0.00
P-818	38.00	12.0	PVC	150.0	0.00	Open	-27.38	0.00
P-820	31.00	12.0	PVC	150.0	0.00	Open	-43.82	0.00
P-821	265.00	12.0	PVC	150.0	0.00	Open	-43.82	0.00
P-822	34.00	12.0	PVC	150.0	0.00	Open	-43.82	0.00

Scenario: 3. Average Day Demand with Full Reservoirs
Steady State Analysis
Pipe Report

Label	Length (ft)	Diameter (in)	Material	Hazen-Williams C	Minor Loss Coefficient	Control Status	Discharge (gpm)	Pressure Pipe Headloss (ft)
P-823	58.00	12.0	PVC	150.0	0.00	Open	-43.82	0.00
P-824	32.00	12.0	PVC	150.0	0.00	Open	-48.67	0.00
P-825	40.00	12.0	PVC	150.0	0.00	Open	-48.67	0.00
P-826	317.00	12.0	PVC	150.0	0.00	Open	-48.67	0.00
P-827	33.00	12.0	PVC	150.0	0.00	Open	-48.67	0.00
P-828	57.00	12.0	PVC	150.0	0.00	Open	-48.67	0.00
P-829	34.00	12.0	Asbestos Cement	140.0	0.00	Open	7.28	0.00
P-830	34.00	12.0	Asbestos Cement	140.0	0.00	Open	22.37	0.00
P-831	29.00	12.0	PVC	150.0	0.00	Open	-80.41	0.00
P-832	24.00	12.0	PVC	150.0	0.00	Open	-80.41	0.00
P-833	290.00	12.0	PVC	150.0	0.00	Open	-80.41	0.01
P-834	25.00	12.0	PVC	150.0	0.00	Open	-82.50	0.00
P-835	27.00	12.0	PVC	150.0	0.00	Open	-82.50	0.00
P-836	38.00	12.0	Asbestos Cement	140.0	0.00	Open	11.99	0.00
P-837	50.00	12.0	D. I.	130.0	0.00	Open	-101.64	0.00
P-838	40.00	12.0	PVC	150.0	0.00	Open	5.05	0.00
P-839	34.00	12.0	PVC	150.0	0.00	Open	5.05	0.00
P-840	265.00	12.0	PVC	150.0	0.00	Open	30.24	0.00
P-841	29.00	12.0	PVC	150.0	0.00	Open	30.24	0.00
P-842	19.00	12.0	PVC	150.0	0.00	Open	30.24	0.00
P-843	58.00	12.0	PVC	150.0	0.00	Open	4.15	0.00
P-844	31.00	12.0	PVC	150.0	0.00	Open	24.00	0.00
P-845	272.00	12.0	PVC	150.0	0.00	Open	24.00	0.00
P-846	24.00	12.0	PVC	150.0	0.00	Open	24.00	0.00
P-847	31.00	12.0	PVC	150.0	0.00	Open	6.81	0.00
P-848	236.00	12.0	PVC	150.0	0.00	Open	6.81	0.00
P-849	34.00	12.0	PVC	150.0	0.00	Open	6.81	0.00
P-850	34.00	12.0	PVC	150.0	0.00	Open	6.81	0.00
P-851	23.00	12.0	PVC	150.0	0.00	Open	-9.68	0.00
P-852	36.00	12.0	PVC	150.0	0.00	Open	119.58	0.00
P-853	262.00	12.0	PVC	150.0	0.00	Open	119.58	0.01
P-854	29.00	12.0	PVC	150.0	0.00	Open	119.58	0.00
P-855	60.00	12.0	PVC	150.0	0.00	Open	15.50	0.00
P-856	37.00	12.0	PVC	150.0	0.00	Open	104.07	0.00
P-857	241.00	12.0	PVC	150.0	0.00	Open	104.07	0.01
P-858	27.00	12.0	PVC	150.0	0.00	Open	104.07	0.00
P-859	51.00	12.0	PVC	150.0	0.00	Open	14.59	0.00
P-860	30.00	12.0	PVC	150.0	0.00	Open	87.39	0.00
P-861	58.00	12.0	PVC	150.0	0.00	Open	87.39	0.00
P-862	27.00	12.0	PVC	150.0	0.00	Open	5.73	0.00
P-863	29.00	12.0	PVC	150.0	0.00	Open	79.57	0.00
P-864	26.00	12.0	PVC	150.0	0.00	Open	79.57	0.00
P-865	213.00	12.0	PVC	150.0	0.00	Open	79.57	0.00
P-866	24.00	12.0	PVC	150.0	0.00	Open	79.57	0.00
P-867	23.00	12.0	PVC	150.0	0.00	Open	69.55	0.00
P-868	70.00	12.0	PVC	150.0	0.00	Open	69.55	0.00
P-869	69.00	12.0	PVC	150.0	0.00	Open	69.55	0.00
P-870	21.00	12.0	PVC	150.0	0.00	Open	69.55	0.00
P-871	245.00	12.0	PVC	150.0	0.00	Open	67.46	0.00
P-872	44.00	12.0	PVC	150.0	0.00	Open	-17.14	0.00
P-873	370.00	12.0	PVC	150.0	0.00	Open	-17.14	0.00

Scenario: 3. Average Day Demand with Full Reservoirs
Steady State Analysis
Pipe Report

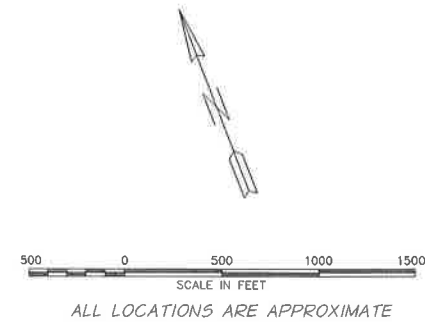
Label	Length (ft)	Diameter (in)	Material	Hazen-Williams C	Minor Loss Coefficient	Control Status	Discharge (gpm)	Pressure Pipe Headloss (ft)
P-874	36.00	12.0	PVC	150.0	0.00	Open	-17.14	0.00
P-875	31.00	12.0	PVC	150.0	0.00	Open	-47.37	0.00
P-876	73.00	12.0	PVC	150.0	0.00	Open	-47.37	0.00
P-877	148.00	12.0	PVC	150.0	0.00	Open	27.02	0.00
P-878	52.00	12.0	PVC	150.0	0.00	Open	27.02	0.00
P-879	30.00	12.0	PVC	150.0	0.00	Open	82.51	0.00
P-880	309.00	12.0	PVC	150.0	0.00	Open	82.51	0.01
P-881	29.00	12.0	PVC	150.0	0.00	Open	82.51	0.00
P-882	29.00	12.0	PVC	150.0	0.00	Open	2.40	0.00
P-883	51.00	12.0	PVC	150.0	0.00	Open	1.93	0.00
P-884	28.00	12.0	PVC	150.0	0.00	Open	76.10	0.00
P-885	29.00	12.0	PVC	150.0	0.00	Open	76.10	0.00
P-886	268.00	12.0	PVC	150.0	0.00	Open	76.10	0.00
P-887	33.00	12.0	PVC	150.0	0.00	Open	76.10	0.00
P-888	39.00	12.0	PVC	150.0	0.00	Open	4.28	0.00
P-889	46.00	12.0	PVC	150.0	0.00	Open	69.73	0.00
P-890	284.00	12.0	PVC	150.0	0.00	Open	69.73	0.00
P-891	29.00	12.0	PVC	150.0	0.00	Open	69.73	0.00
P-892	44.00	12.0	PVC	150.0	0.00	Open	7.15	0.00
P-893	13.00	12.0	PVC	150.0	0.00	Open	60.48	0.00
P-894	25.00	12.0	PVC	150.0	0.00	Open	1.65	0.00
P-895	43.00	12.0	PVC	150.0	0.00	Open	56.74	0.00
P-896	240.00	12.0	PVC	150.0	0.00	Open	56.74	0.00
P-897	36.00	12.0	PVC	150.0	0.00	Open	56.74	0.00
P-898	36.00	12.0	PVC	150.0	0.00	Open	8.11	0.00
P-899	32.00	12.0	PVC	150.0	0.00	Open	46.54	0.00
P-900	22.00	12.0	PVC	150.0	0.00	Open	46.54	0.00
P-901	160.00	12.0	PVC	150.0	0.00	Open	46.54	0.00
P-902	30.00	12.0	PVC	150.0	0.00	Open	46.54	0.00
P-903	28.00	12.0	PVC	150.0	0.00	Open	46.54	0.00
P-904	30.00	12.0	PVC	150.0	0.00	Open	38.60	0.00
P-905	299.00	12.0	PVC	150.0	0.00	Open	38.60	0.00
P-906	215.00	12.0	PVC	150.0	0.00	Open	38.60	0.00
P-907	23.00	12.0	PVC	150.0	0.00	Open	38.60	0.00
P-908	39.00	12.0	PVC	150.0	0.00	Open	5.74	0.00
P-909	30.00	12.0	PVC	150.0	0.00	Open	30.77	0.00
P-910	45.00	12.0	PVC	150.0	0.00	Open	30.77	0.00
P-911	54.00	12.0	PVC	150.0	0.00	Open	30.77	0.00
P-912	41.00	12.0	PVC	150.0	0.00	Open	7.78	0.00
P-913	31.00	12.0	PVC	150.0	0.00	Open	20.90	0.00
P-914	421.00	12.0	PVC	150.0	0.00	Open	20.90	0.00
P-915	40.00	12.0	PVC	150.0	0.00	Open	20.90	0.00
P-916	21.00	12.0	PVC	150.0	0.00	Open	3.88	0.00
P-917	38.00	12.0	PVC	150.0	0.00	Open	17.02	0.00
P-918	409.00	12.0	PVC	150.0	0.00	Open	17.02	0.00
P-919	28.00	12.0	PVC	150.0	0.00	Open	17.02	0.00
P-920	36.00	12.0	PVC	150.0	0.00	Open	15.02	0.00
P-921	366.00	12.0	PVC	150.0	0.00	Open	15.02	0.00
P-922	30.00	12.0	PVC	150.0	0.00	Open	15.02	0.00
P-923	57.00	12.0	PVC	150.0	0.00	Open	0.62	0.00
P-924	38.00	12.0	PVC	150.0	0.00	Open	14.40	0.00

Scenario: 3. Average Day Demand with Full Reservoirs
Steady State Analysis
Pipe Report

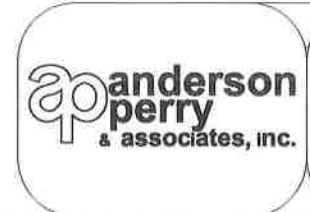
Label	Length (ft)	Diameter (in)	Material	Hazen-Williams C	Minor Loss Coefficient	Control Status	Discharge (gpm)	Pressure Pipe Headloss (ft)
P-925	141.00	12.0	PVC	150.0	0.00	Open	14.40	0.00
P-926	49.00	12.0	PVC	150.0	0.00	Open	14.40	0.00
P-927	28.00	12.0	PVC	150.0	0.00	Open	8.25	0.00
P-928	40.00	12.0	PVC	150.0	0.00	Open	4.06	0.00
P-929	192.00	12.0	PVC	150.0	0.00	Open	4.06	0.00
P-930	33.00	12.0	PVC	150.0	0.00	Open	4.06	0.00
P-931	540.00	12.0	PVC	150.0	0.00	Open	4.06	0.00
P-932	22.00	12.0	PVC	150.0	0.00	Open	4.06	0.00
P-933	380.00	12.0	PVC	150.0	0.00	Open	4.06	0.00
P-934	130.00	12.0	Steel	100.0	0.00	Open	4.06	0.00
P-935	354.00	12.0	D. I.	130.0	0.00	Open	-236.30	0.06
P-936	251.00	12.0	HDPE	150.0	0.00	Open	26.25	0.00
P-937	22.00	4.0	Asbestos Cement	140.0	0.00	Open	-2.09	0.00
P-938	25.00	4.0	Asbestos Cement	140.0	0.00	Open	-0.62	0.00
P-939	20.00	6.0	PVC	150.0	0.00	Open	7.39	0.00
P-940	13.00	8.0	Asbestos Cement	140.0	0.00	Open	-7.95	0.00
P-941	23.00	6.0	Asbestos Cement	140.0	0.00	Open	-9.85	0.00
P-942	39.00	8.0	Asbestos Cement	140.0	0.00	Open	-5.09	0.00
P-943	25.00	6.0	Asbestos Cement	140.0	0.00	Open	133.11	0.04
P-944	37.00	6.0	Asbestos Cement	140.0	0.00	Open	92.06	0.03
P-945	424.00	1.5	PVC	150.0	0.00	Open	1.03	0.06
P-946	30.00	8.0	PVC	150.0	0.00	Open	11.39	0.00
P-947	40.00	6.0	PVC	150.0	0.00	Open	0.07	0.00
P-948	43.00	6.0	PVC	150.0	0.00	Open	-0.10	0.00
P-949	27.00	6.0	Asbestos Cement	140.0	0.00	Open	7.15	0.00
P-950	587.00	4.0	Steel	100.0	0.00	Open	-2.17	0.01
P-951	88.00	8.0	PVC	150.0	0.00	Open	-3.37	0.00
P-952	112.00	12.0	PVC	141.0	0.00	Open	-2.09	0.00
P-953	52.00	8.0	Asbestos Cement	140.0	0.00	Open	21.08	0.00
P-954	357.00	8.0	Asbestos Cement	140.0	0.00	Open	21.08	0.00
P-956	30.00	12.0	PVC	150.0	0.00	Open	-47.42	0.00
P-957	22.00	12.0	PVC	150.0	0.00	Open	-43.82	0.00
P-958	1,242.00	12.0	Steel	100.0	0.00	Open	4.06	0.00
P-959	4,418.00	12.0	Steel	100.0	0.00	Open	3.67	0.00
P-960	1,100.00	12.0	Steel	100.0	0.00	Open	1.74	0.00
P-961	427.00	12.0	Steel	100.0	0.00	Open	0.97	0.00
P-962	252.00	12.0	Steel	100.0	0.00	Open	0.00	0.00
P-963	50.00	12.0	Steel	100.0	0.00	Open	-0.00	0.00

FIGURES

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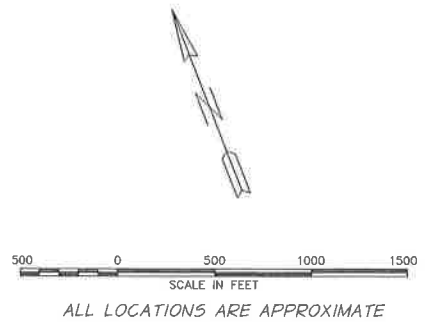
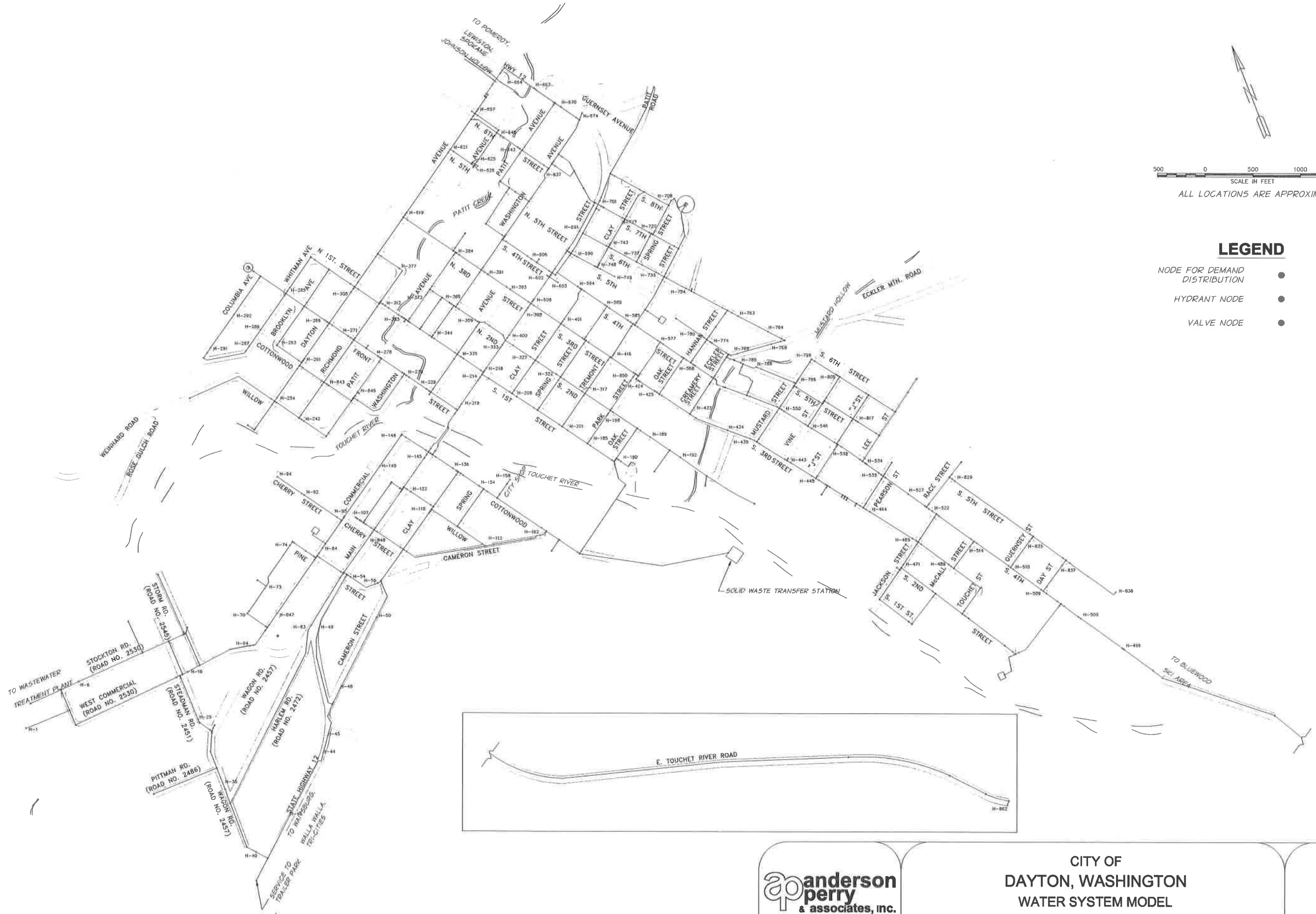


- LEGEND**
- NODE FOR DEMAND DISTRIBUTION ●
 - HYDRANT NODE ●
 - VALVE NODE ●



CITY OF
 DAYTON, WASHINGTON
 WATER SYSTEM MODEL
 DISTRIBUTION NODE MAP

FIGURE
B-1



LEGEND

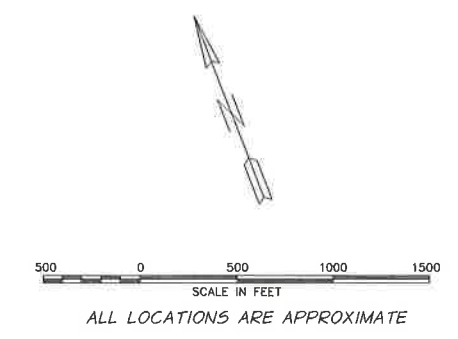
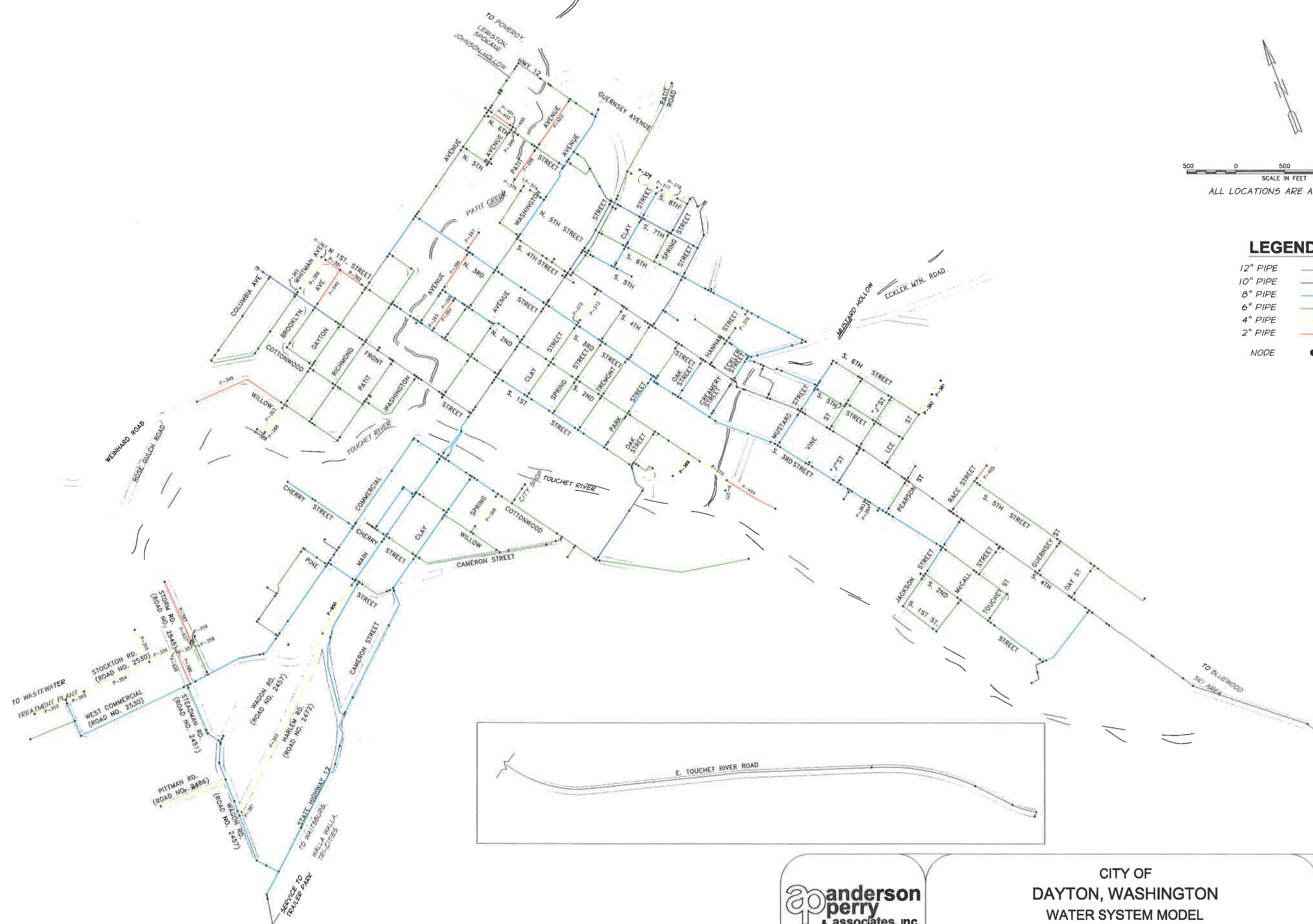
- NODE FOR DEMAND DISTRIBUTION
- HYDRANT NODE
- VALVE NODE



CITY OF
DAYTON, WASHINGTON
WATER SYSTEM MODEL
HYDRANT NODE MAP

FIGURE
B-2

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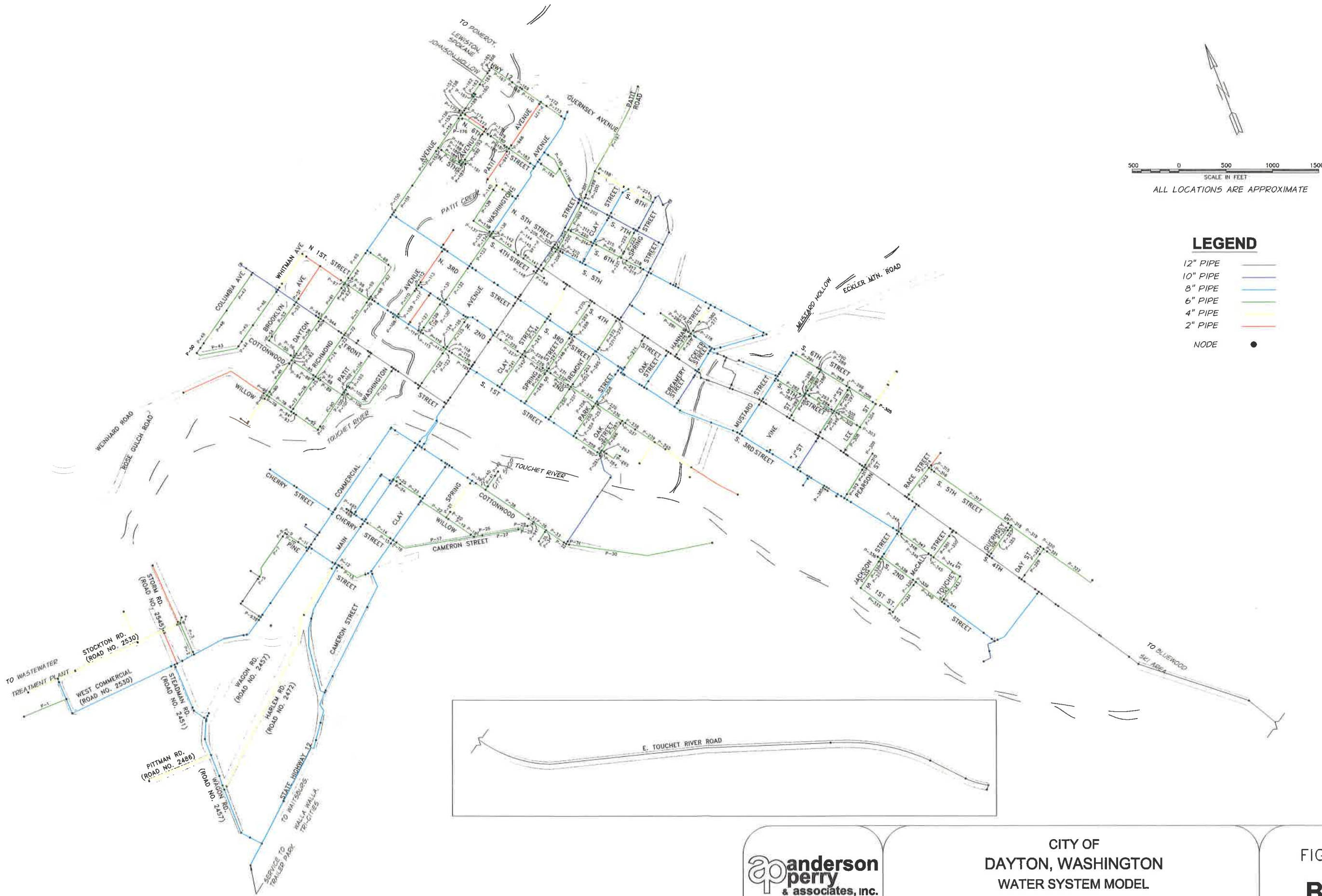


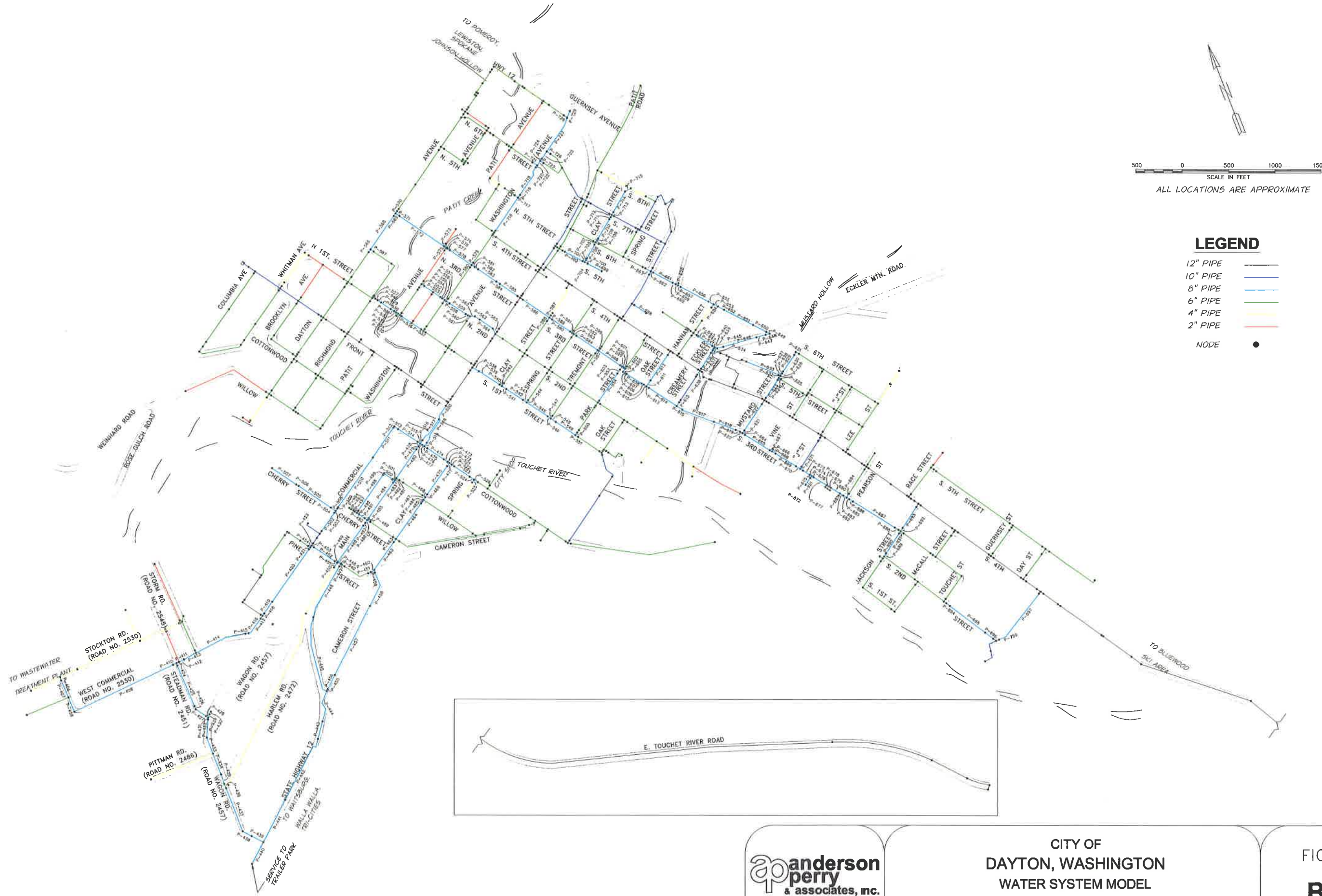
- LEGEND**
- 12" PIPE ———
 - 10" PIPE ———
 - 8" PIPE ———
 - 6" PIPE ———
 - 4" PIPE ———
 - 2" PIPE ———
 - NODE ●

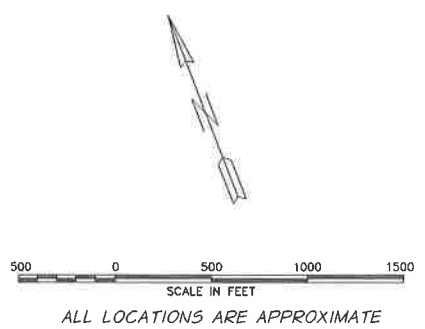
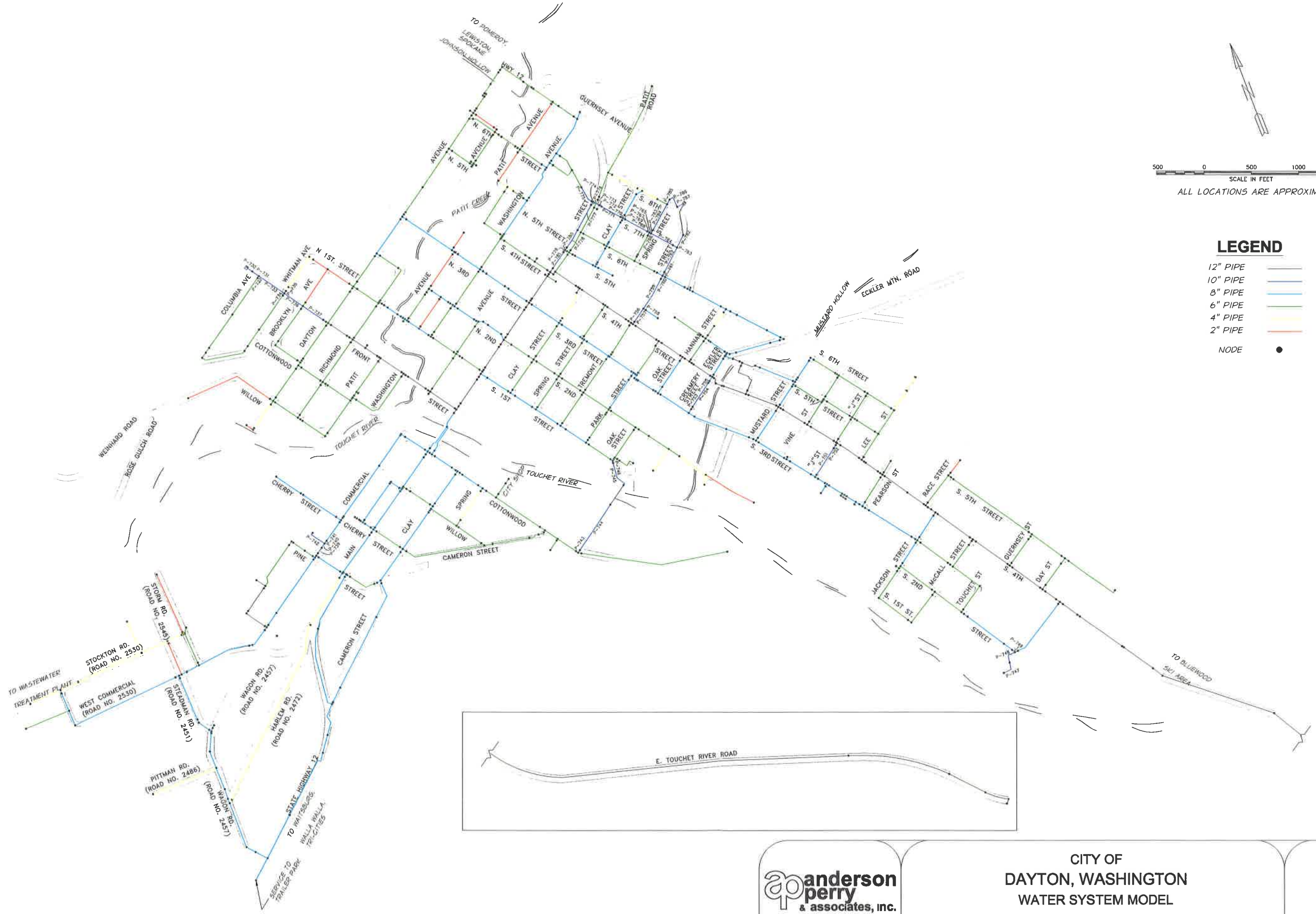


CITY OF
DAYTON, WASHINGTON
WATER SYSTEM MODEL
PIPE MAP- 2 IN AND 4 IN

FIGURE
B-3

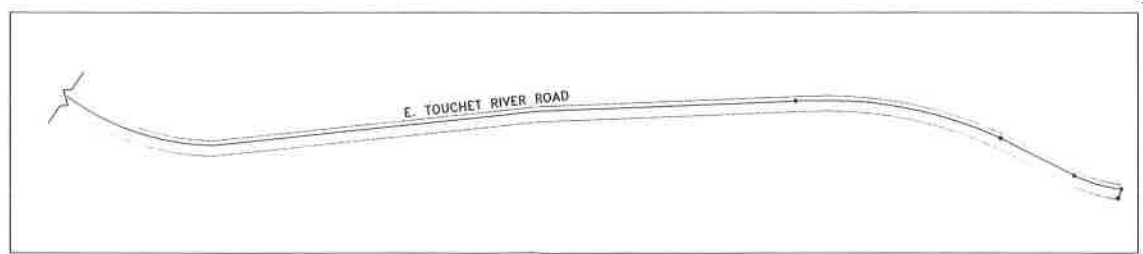




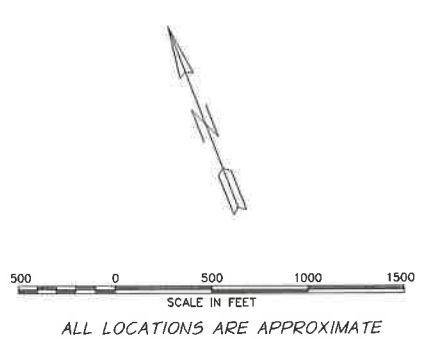


LEGEND

12" PIPE	
10" PIPE	
8" PIPE	
6" PIPE	
4" PIPE	
2" PIPE	
NODE	



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LEGEND

12" PIPE	
10" PIPE	
8" PIPE	
6" PIPE	
4" PIPE	
2" PIPE	
NODE	



CITY OF
DAYTON, WASHINGTON
WATER SYSTEM MODEL
PIPE MAP- 12 IN

FIGURE
B-7

**Water Model Results for
12-Inch Diameter Pipe Replacement on
South 2nd Street and East Oak Street**

FlexTable: Junction Table (Dayton Water Model 2014-12 INCH OPTION.wtg)

Current Time: 0.000 hours

ID	Label	Elevation (ft)	Zone	Demand (gpm)	Hydraulic Grade (ft)	Pressure (psi)
200	H-1	1,561.00	Zone - 2	6	1,747.19	80.6
201	J-2	1,563.00	Zone - 2	6	1,747.19	79.7
202	J-3	1,560.00	Zone - 2	6	1,747.19	81.0
203	J-4	1,561.00	Zone - 2	6	1,747.19	80.6
204	J-5	1,557.00	Zone - 2	6	1,747.16	82.3
205	H-6	1,560.00	Zone - 2	0	1,747.17	81.0
206	J-7	1,569.00	Zone - 2	6	1,747.13	77.1
207	J-8	1,573.80	Zone - 2	6	1,747.23	75.0
208	V-9	1,573.80	Zone - 2	0	1,747.23	75.0
209	V-10	1,573.80	Zone - 2	0	1,747.23	75.0
210	V-11	1,561.00	Zone - 2	0	1,747.19	80.6
211	J-12	1,563.00	Zone - 2	6	1,747.10	79.7
212	J-13	1,571.10	Zone - 2	6	1,747.15	76.2
213	V-14	1,571.10	Zone - 2	0	1,747.15	76.2
214	J-15	1,573.80	Zone - 2	6	1,747.23	75.0
215	H-16	1,579.00	Zone - 2	0	1,747.24	72.8
216	J-17	1,575.60	Zone - 2	6	1,747.24	74.3
217	V-18	1,575.60	Zone - 2	0	1,747.24	74.3
218	J-19	1,573.00	Zone - 2	6	1,747.19	75.4
219	V-20	1,573.00	Zone - 2	0	1,747.19	75.4
220	V-21	1,573.00	Zone - 2	0	1,747.19	75.4
221	J-22	1,573.00	Zone - 2	6	1,747.20	75.4
222	J-23	1,573.00	Zone - 2	6	1,747.20	75.4
223	J-24	1,569.00	Zone - 2	6	1,745.73	76.5
224	H-25	1,578.00	Zone - 2	0	1,747.23	73.2
225	J-26	1,578.00	Zone - 2	6	1,747.23	73.2
226	V-27	1,577.00	Zone - 2	0	1,747.23	73.7
227	J-28	1,577.00	Zone - 2	6	1,747.23	73.7
228	V-29	1,578.00	Zone - 2	0	1,747.23	73.2
229	V-30	1,577.00	Zone - 2	0	1,747.23	73.7
230	J-31	1,579.00	Zone - 2	6	1,747.23	72.8
231	V-32	1,577.00	Zone - 2	0	1,747.24	73.7
232	J-33	1,576.00	Zone - 2	6	1,747.24	74.1
233	J-34	1,568.00	Zone - 2	6	1,747.19	77.5
234	H-35	1,575.00	Zone - 2	0	1,747.25	74.5
235	V-36	1,573.50	Zone - 2	0	1,747.25	75.2
236	J-37	1,574.00	Zone - 2	6	1,747.25	75.0
237	V-38	1,573.50	Zone - 2	0	1,747.26	75.2
238	J-39	1,568.00	Zone - 2	6	1,747.27	77.6
239	H-40	1,568.00	Zone - 2	0	1,747.28	77.6
240	J-41	1,571.00	Zone - 2	6	1,747.28	76.3
241	J-42	1,565.00	Zone - 2	6	1,747.28	78.9
242	H-43	1,576.00	Zone - 2	0	1,747.32	74.1
243	H-44	1,584.00	Zone - 2	0	1,747.38	70.7
244	H-45	1,586.00	Zone - 2	0	1,747.39	69.8
245	J-46	1,585.00	Zone - 2	6	1,747.41	70.3
246	V-47	1,585.00	Zone - 2	0	1,747.41	70.3

FlexTable: Junction Table (Dayton Water Model 2014-12 INCH OPTION.wtg)

Current Time: 0.000 hours

ID	Label	Elevation (ft)	Zone	Demand (gpm)	Hydraulic Grade (ft)	Pressure (psi)
247	H-48	1,588.00	Zone - 2	0	1,747.42	69.0
248	H-49	1,588.80	Zone - 2	0	1,747.44	68.6
249	H-50	1,594.60	Zone - 2	0	1,747.43	66.1
250	V-51	1,591.00	Zone - 2	0	1,747.47	67.7
251	J-52	1,591.00	Zone - 2	6	1,747.47	67.7
252	V-53	1,591.00	Zone - 2	0	1,747.47	67.7
253	H-54	1,591.00	Zone - 2	0	1,747.46	67.7
254	V-55	1,595.90	Zone - 2	0	1,747.44	65.6
255	H-56	1,595.90	Zone - 2	0	1,747.44	65.6
256	J-57	1,595.90	Zone - 2	15	1,747.44	65.6
257	V-58	1,595.90	Zone - 2	0	1,747.44	65.6
258	J-59	1,589.50	Zone - 2	6	1,747.47	68.3
259	J-60	1,589.50	Zone - 2	6	1,747.47	68.3
260	V-61	1,589.50	Zone - 2	0	1,747.47	68.3
261	V-62	1,589.50	Zone - 2	0	1,747.47	68.3
262	H-63	1,587.80	Zone - 2	0	1,747.42	69.1
263	H-64	1,580.00	Zone - 2	0	1,747.33	72.4
264	V-65	1,580.00	Zone - 2	0	1,747.34	72.4
265	V-66	1,581.00	Zone - 2	0	1,747.37	72.0
266	V-67	1,581.00	Zone - 2	0	1,747.38	72.0
267	V-68	1,581.00	Zone - 2	0	1,747.38	72.0
268	J-69	1,581.00	Zone - 2	6	1,747.38	72.0
269	H-70	1,579.40	Zone - 2	0	1,747.38	72.7
270	V-71	1,579.40	Zone - 2	0	1,747.38	72.7
271	V-72	1,582.00	Zone - 2	0	1,747.38	71.6
272	H-73	1,582.00	Zone - 2	0	1,747.38	71.6
273	H-74	1,585.00	Zone - 2	0	1,747.43	70.3
274	J-75	1,585.00	Zone - 2	6	1,747.44	70.3
275	V-76	1,585.00	Zone - 2	0	1,747.44	70.3
276	V-77	1,587.50	Zone - 2	0	1,747.46	69.2
277	V-78	1,590.00	Zone - 2	0	1,747.47	68.1
278	V-79	1,590.00	Zone - 2	0	1,747.47	68.1
279	V-80	1,590.00	Zone - 2	0	1,747.47	68.1
280	J-81	1,590.00	Zone - 2	6	1,747.47	68.1
281	J-82	1,590.00	Zone - 2	6	1,747.47	68.1
282	V-83	1,590.00	Zone - 2	0	1,747.48	68.1
283	H-84	1,587.60	Zone - 2	0	1,747.49	69.2
284	J-85	1,588.00	Zone - 2	6	1,747.50	69.0
285	V-86	1,588.00	Zone - 2	0	1,747.50	69.0
286	J-87	1,588.00	Zone - 2	6	1,747.50	69.0
287	V-88	1,592.80	Zone - 2	0	1,747.60	67.0
288	J-89	1,592.80	Zone - 2	6	1,747.61	67.0
289	V-90	1,592.80	Zone - 2	0	1,747.62	67.0
290	V-91	1,592.80	Zone - 2	0	1,747.61	67.0
291	H-92	1,583.00	Zone - 2	0	1,747.61	71.2
292	V-93	1,583.00	Zone - 2	0	1,747.61	71.2
293	H-94	1,582.00	Zone - 2	0	1,747.61	71.7

FlexTable: Junction Table (Dayton Water Model 2014-12 INCH OPTION.wtg)

Current Time: 0.000 hours

ID	Label	Elevation (ft)	Zone	Demand (gpm)	Hydraulic Grade (ft)	Pressure (psi)
294	H-95	1,592.80	Zone - 2	0	1,747.63	67.0
295	V-96	1,597.00	Zone - 2	0	1,747.44	65.1
296	V-97	1,594.20	Zone - 2	0	1,747.55	66.3
297	J-98	1,594.20	Zone - 2	6	1,747.56	66.4
298	V-99	1,594.20	Zone - 2	0	1,747.56	66.4
299	V-100	1,594.20	Zone - 2	0	1,747.56	66.4
300	V-101	1,594.20	Zone - 2	0	1,747.55	66.3
301	V-102	1,592.50	Zone - 2	0	1,747.57	67.1
302	J-103	1,592.50	Zone - 2	6	1,747.57	67.1
303	V-104	1,591.50	Zone - 2	0	1,747.57	67.5
304	V-105	1,592.50	Zone - 2	0	1,747.57	67.1
305	V-106	1,591.50	Zone - 2	0	1,747.57	67.5
306	H-107	1,591.50	Zone - 2	0	1,747.57	67.5
307	J-108	1,597.00	Zone - 2	6	1,747.44	65.1
308	V-109	1,597.00	Zone - 2	0	1,747.45	65.1
309	V-110	1,597.00	Zone - 2	0	1,747.40	65.1
310	J-111	1,607.70	Zone - 2	6	1,746.80	60.2
311	H-112	1,608.10	Zone - 2	0	1,746.52	59.9
312	V-113	1,607.70	Zone - 2	0	1,746.84	60.2
313	V-114	1,603.60	Zone - 2	0	1,747.14	62.1
314	J-115	1,603.50	Zone - 2	6	1,747.17	62.2
315	J-116	1,599.80	Zone - 2	6	1,747.47	63.9
316	V-117	1,599.80	Zone - 2	0	1,747.47	63.9
317	H-118	1,599.80	Zone - 2	0	1,747.47	63.9
318	J-119	1,599.80	Zone - 2	6	1,747.49	63.9
319	V-120	1,599.80	Zone - 2	0	1,747.49	63.9
320	V-121	1,599.80	Zone - 2	0	1,747.50	63.9
321	H-122	1,598.50	Zone - 2	0	1,747.62	64.5
322	V-123	1,598.50	Zone - 2	0	1,747.65	64.5
323	V-124	1,598.50	Zone - 2	0	1,747.66	64.5
324	J-125	1,598.50	Zone - 2	6	1,747.65	64.5
325	V-126	1,598.50	Zone - 2	0	1,747.64	64.5
326	V-127	1,598.50	Zone - 2	0	1,747.64	64.5
327	J-128	1,598.50	Zone - 2	6	1,747.67	64.5
328	J-129	1,595.70	Zone - 2	6	1,747.63	65.7
329	V-130	1,595.70	Zone - 2	0	1,747.63	65.7
330	V-131	1,600.50	Zone - 2	0	1,747.56	63.6
331	J-132	1,600.50	Zone - 2	6	1,747.57	63.6
332	V-133	1,600.50	Zone - 2	0	1,747.61	63.6
333	V-134	1,600.50	Zone - 2	0	1,747.54	63.6
334	V-135	1,600.50	Zone - 2	0	1,747.50	63.6
335	H-136	1,600.50	Zone - 2	0	1,747.71	63.7
336	V-137	1,601.20	Zone - 2	0	1,748.16	63.6
337	J-138	1,601.20	Zone - 2	6	1,748.24	63.6
338	V-139	1,602.80	Zone - 2	0	1,748.24	62.9
339	V-140	1,602.80	Zone - 2	0	1,748.19	62.9
340	J-141	1,602.80	Zone - 2	6	1,748.24	62.9

FlexTable: Junction Table (Dayton Water Model 2014-12 INCH OPTION.wtg)

Current Time: 0.000 hours

ID	Label	Elevation (ft)	Zone	Demand (gpm)	Hydraulic Grade (ft)	Pressure (psi)
341	V-142	1,602.80	Zone - 2	0	1,748.22	62.9
342	V-143	1,602.80	Zone - 2	0	1,748.35	63.0
343	V-144	1,601.20	Zone - 2	0	1,748.36	63.7
344	H-145	1,602.80	Zone - 2	0	1,748.14	62.9
345	V-146	1,602.00	Zone - 2	0	1,748.10	63.2
346	J-147	1,602.00	Zone - 2	6	1,748.08	63.2
347	H-148	1,602.00	Zone - 2	0	1,748.07	63.2
348	H-149	1,595.40	Zone - 2	0	1,747.91	66.0
349	V-150	1,603.30	Zone - 2	0	1,747.17	62.2
350	V-151	1,604.50	Zone - 2	0	1,747.22	61.7
351	V-152	1,604.50	Zone - 2	0	1,747.18	61.7
352	J-153	1,604.50	Zone - 2	6	1,747.22	61.7
353	H-154	1,604.50	Zone - 2	0	1,747.28	61.8
354	J-155	1,605.80	Zone - 2	6	1,746.71	61.0
355	V-156	1,605.80	Zone - 2	0	1,746.71	61.0
356	J-157	1,610.00	Zone - 2	6	1,746.71	59.1
357	H-158	1,610.00	Zone - 2	0	1,746.71	59.1
358	V-159	1,612.80	Zone - 2	0	1,744.86	57.1
359	J-160	1,612.80	Zone - 2	6	1,744.65	57.0
360	V-161	1,612.80	Zone - 2	0	1,744.72	57.1
361	H-162	1,612.80	Zone - 2	0	1,744.92	57.2
362	V-163	1,610.60	Zone - 2	0	1,745.29	58.3
363	J-164	1,614.90	Zone - 2	6	1,742.81	55.3
364	V-165	1,614.90	Zone - 2	0	1,742.81	55.3
365	J-166	1,614.40	Zone - 2	10	1,742.81	55.6
366	V-167	1,620.00	Zone - 2	0	1,740.38	52.1
367	J-168	1,620.00	Zone - 2	6	1,740.08	52.0
368	V-169	1,620.00	Zone - 2	0	1,740.08	52.0
369	V-170	1,620.00	Zone - 2	0	1,740.06	51.9
370	J-171	1,641.20	Zone - 2	6	1,740.07	42.8
371	V-172	1,620.70	Zone - 2	0	1,739.64	51.5
372	V-173	1,619.40	Zone - 2	0	1,739.57	52.0
373	V-174	1,615.90	Zone - 2	0	1,739.36	53.4
374	J-175	1,615.90	Zone - 2	6	1,739.34	53.4
375	V-176	1,615.90	Zone - 2	0	1,739.46	53.5
376	V-177	1,615.90	Zone - 2	0	1,738.82	53.2
377	V-178	1,615.90	Zone - 2	0	1,738.37	53.0
378	J-179	1,615.90	Zone - 2	6	1,738.37	53.0
379	H-180	1,615.90	Zone - 2	0	1,738.37	53.0
380	V-181	1,621.40	Zone - 2	0	1,738.37	50.6
381	V-182	1,613.90	Zone - 2	0	1,740.64	54.8
382	J-183	1,613.90	Zone - 2	6	1,740.68	54.9
383	V-184	1,613.90	Zone - 2	0	1,740.52	54.8
384	H-185	1,613.90	Zone - 2	0	1,739.91	54.5
385	V-186	1,619.80	Zone - 2	0	1,730.04	47.7
386	J-187	1,619.80	Zone - 2	30	1,729.27	47.4
387	V-188	1,619.80	Zone - 2	0	1,728.66	47.1

FlexTable: Junction Table (Dayton Water Model 2014-12 INCH OPTION.wtg)

Current Time: 0.000 hours

ID	Label	Elevation (ft)	Zone	Demand (gpm)	Hydraulic Grade (ft)	Pressure (psi)
388	H-189	1,620.60	Zone - 2	0	1,726.71	45.9
389	J-190	1,623.10	Zone - 6	6	1,722.84	43.2
390	J-191	1,622.40	Zone - 6	10	1,722.80	43.4
391	H-192	1,624.80	Zone - 6	3,000	1,720.73	41.5
392	J-193	1,628.10	Zone - 6	6	1,720.45	40.0
393	J-194	1,628.20	Zone - 6	6	1,720.44	39.9
394	J-195	1,630.30	Zone - 6	22	1,707.29	33.3
395	V-196	1,617.70	Zone - 2	0	1,732.63	49.7
396	V-197	1,617.70	Zone - 2	0	1,733.75	50.2
397	H-198	1,617.70	Zone - 2	0	1,734.17	50.4
398	J-199	1,617.70	Zone - 2	6	1,732.95	49.9
399	V-200	1,617.70	Zone - 2	0	1,735.46	50.9
400	H-201	1,612.40	Zone - 2	0	1,743.10	56.5
401	J-202	1,612.40	Zone - 2	6	1,743.73	56.8
402	V-203	1,612.40	Zone - 2	0	1,744.10	57.0
403	V-204	1,612.40	Zone - 2	0	1,743.73	56.8
404	J-205	1,611.70	Zone - 2	6	1,746.61	58.4
405	V-206	1,611.70	Zone - 2	0	1,746.62	58.4
406	V-207	1,611.70	Zone - 2	0	1,746.94	58.5
407	H-208	1,612.20	Zone - 2	0	1,748.41	58.9
408	J-209	1,612.20	Zone - 2	6	1,748.81	59.1
409	V-210	1,612.20	Zone - 2	0	1,748.82	59.1
410	V-211	1,612.20	Zone - 2	0	1,748.97	59.2
411	V-212	1,612.40	Zone - 2	0	1,750.37	59.7
412	J-213	1,612.40	Zone - 2	6	1,750.80	59.9
413	H-214	1,612.40	Zone - 2	0	1,750.81	59.9
414	V-215	1,612.40	Zone - 2	0	1,750.81	59.9
415	V-216	1,612.40	Zone - 2	0	1,750.83	59.9
416	V-217	1,612.40	Zone - 2	0	1,750.86	59.9
417	H-218	1,612.40	Zone - 2	0	1,750.84	59.9
418	H-219	1,609.30	Zone - 2	0	1,750.81	61.2
419	V-220	1,609.30	Zone - 2	0	1,750.82	61.2
420	J-221	1,609.30	Zone - 2	6	1,750.82	61.2
421	V-222	1,609.30	Zone - 2	0	1,750.85	61.2
422	V-223	1,609.30	Zone - 2	0	1,750.76	61.2
423	J-224	1,607.40	Zone - 2	6	1,749.14	61.3
424	J-225	1,603.80	Zone - 2	6	1,751.32	63.8
425	V-226	1,603.80	Zone - 2	0	1,751.32	63.8
426	V-227	1,603.80	Zone - 2	0	1,751.36	63.8
427	V-228	1,603.80	Zone - 2	0	1,751.32	63.8
428	H-229	1,603.80	Zone - 2	0	1,751.42	63.9
429	H-230	1,603.50	Zone - 2	0	1,751.80	64.2
430	V-231	1,603.50	Zone - 2	0	1,751.85	64.2
431	J-232	1,603.50	Zone - 2	6	1,751.90	64.2
432	V-233	1,603.50	Zone - 2	0	1,751.93	64.2
433	V-234	1,603.50	Zone - 2	0	1,751.90	64.2
434	V-235	1,599.40	Zone - 2	0	1,752.50	66.2

FlexTable: Junction Table (Dayton Water Model 2014-12 INCH OPTION.wtg)

Current Time: 0.000 hours

ID	Label	Elevation (ft)	Zone	Demand (gpm)	Hydraulic Grade (ft)	Pressure (psi)
435	J-236	1,599.40	Zone - 2	6	1,752.54	66.3
436	V-237	1,599.40	Zone - 2	0	1,752.52	66.2
437	J-238	1,599.40	Zone - 2	6	1,752.58	66.3
438	J-239	1,599.40	Zone - 2	6	1,752.66	66.3
439	V-240	1,594.40	Zone - 2	0	1,752.89	68.6
440	J-241	1,594.40	Zone - 2	6	1,752.91	68.6
441	H-242	1,599.00	Zone - 2	0	1,753.09	66.7
442	V-243	1,599.00	Zone - 2	0	1,753.11	66.7
443	J-244	1,599.00	Zone - 2	6	1,753.13	66.7
444	V-245	1,599.00	Zone - 2	0	1,753.13	66.7
445	V-246	1,599.00	Zone - 2	0	1,753.42	66.8
446	J-247	1,599.00	Zone - 2	6	1,753.44	66.8
447	V-248	1,599.00	Zone - 2	0	1,753.44	66.8
448	V-249	1,594.00	Zone - 2	0	1,753.40	69.0
449	J-250	1,594.00	Zone - 2	6	1,753.29	68.9
450	J-251	1,593.00	Zone - 2	6	1,753.18	69.3
451	V-252	1,599.00	Zone - 2	0	1,753.44	66.8
452	J-253	1,635.00	Zone - 2	6	1,751.29	50.3
453	H-254	1,599.00	Zone - 2	0	1,753.51	66.9
454	V-255	1,603.90	Zone - 2	0	1,754.07	65.0
455	J-256	1,603.90	Zone - 2	6	1,754.14	65.0
456	V-257	1,603.90	Zone - 2	0	1,754.01	64.9
457	J-258	1,603.90	Zone - 2	6	1,754.47	65.1
458	V-259	1,603.90	Zone - 2	0	1,754.68	65.2
459	V-260	1,603.90	Zone - 2	0	1,754.48	65.1
460	H-261	1,603.90	Zone - 2	0	1,754.49	65.2
461	J-262	1,607.30	Zone - 2	6	1,756.17	64.4
462	H-263	1,607.30	Zone - 2	0	1,756.46	64.5
463	V-264	1,645.00	Zone - 2	0	1,758.76	49.2
464	J-265	1,645.00	Zone - 2	6	1,758.96	49.3
465	H-266	1,609.60	Zone - 2	0	1,756.96	63.8
466	V-267	1,609.60	Zone - 2	0	1,756.70	63.6
467	J-268	1,609.60	Zone - 2	6	1,754.69	62.8
468	V-269	1,609.60	Zone - 2	0	1,753.07	62.1
469	V-270	1,609.60	Zone - 2	0	1,754.68	62.8
470	H-271	1,607.00	Zone - 2	0	1,752.81	63.1
471	V-272	1,607.00	Zone - 2	0	1,752.76	63.1
472	J-273	1,607.00	Zone - 2	6	1,752.71	63.0
473	V-274	1,607.00	Zone - 2	0	1,752.68	63.0
474	V-275	1,607.00	Zone - 2	0	1,752.74	63.1
475	J-276	1,605.70	Zone - 2	6	1,752.52	63.5
476	V-277	1,605.70	Zone - 2	0	1,752.52	63.5
477	H-278	1,605.20	Zone - 2	0	1,752.34	63.7
478	V-279	1,605.20	Zone - 2	0	1,752.32	63.7
479	J-280	1,605.20	Zone - 2	6	1,752.30	63.6
480	V-281	1,605.20	Zone - 2	0	1,752.30	63.6
481	J-282	1,673.30	Zone - 2	6	1,761.76	38.3

FlexTable: Junction Table (Dayton Water Model 2014-12 INCH OPTION.wtg)

Current Time: 0.000 hours

ID	Label	Elevation (ft)	Zone	Demand (gpm)	Hydraulic Grade (ft)	Pressure (psi)
482	V-283	1,673.30	Zone - 2	0	1,761.76	38.3
483	V-284	1,673.30	Zone - 2	0	1,761.76	38.3
484	H-285	1,673.30	Zone - 2	0	1,761.71	38.2
485	H-286	1,654.00	Zone - 2	0	1,762.40	46.9
486	H-287	1,640.00	Zone - 2	0	1,762.70	53.1
487	V-288	1,640.00	Zone - 2	0	1,762.79	53.1
488	J-289	1,715.00	Zone - 5	6	1,763.47	21.0
489	V-290	1,715.00	Zone - 5	0	1,763.58	21.0
490	H-291	1,715.00	Zone - 5	0	1,763.67	21.1
491	H-292	1,724.40	Zone - 5	0	1,764.35	17.3
492	V-293	1,726.80	Zone - 5	0	1,765.08	16.6
493	J-294	1,726.80	Zone - 5	6	1,765.09	16.6
494	V-295	1,744.40	Reservoir Zone	0	1,766.17	9.4
495	J-297	1,679.60	Zone - 2	6	1,761.27	35.3
496	V-298	1,670.00	Zone - 2	0	1,761.24	39.5
497	J-299	1,644.70	Zone - 2	6	1,757.58	48.8
498	V-300	1,613.50	Zone - 2	0	1,752.51	60.1
499	J-301	1,613.50	Zone - 2	6	1,752.51	60.1
500	V-302	1,613.50	Zone - 2	0	1,752.44	60.1
501	V-303	1,613.50	Zone - 2	0	1,752.42	60.1
502	V-304	1,613.50	Zone - 2	0	1,752.61	60.2
503	H-305	1,613.50	Zone - 2	0	1,752.82	60.3
504	V-306	1,645.00	Zone - 2	0	1,758.96	49.3
505	V-307	1,609.80	Zone - 2	0	1,752.10	61.6
506	J-308	1,609.80	Zone - 2	6	1,752.05	61.5
507	J-309	1,609.80	Zone - 2	6	1,751.97	61.5
508	V-310	1,609.80	Zone - 2	0	1,751.97	61.5
509	V-311	1,609.80	Zone - 2	0	1,751.93	61.5
510	H-312	1,609.80	Zone - 2	0	1,751.91	61.5
511	V-313	1,609.80	Zone - 2	0	1,751.86	61.5
512	V-314	1,616.70	Zone - 2	0	1,744.07	55.1
513	J-315	1,616.70	Zone - 2	6	1,743.75	55.0
514	V-316	1,616.70	Zone - 2	0	1,743.75	55.0
515	H-317	1,616.70	Zone - 2	0	1,744.17	55.2
516	V-318	1,615.90	Zone - 2	0	1,746.63	56.6
517	J-319	1,615.90	Zone - 2	6	1,747.08	56.8
518	V-320	1,615.90	Zone - 2	0	1,747.20	56.8
519	V-321	1,615.90	Zone - 2	0	1,747.04	56.7
520	H-322	1,615.90	Zone - 2	0	1,747.45	56.9
521	V-323	1,615.10	Zone - 2	0	1,748.87	57.9
522	V-324	1,615.10	Zone - 2	0	1,749.09	58.0
523	J-325	1,615.10	Zone - 2	6	1,749.11	58.0
524	V-326	1,615.10	Zone - 2	0	1,749.18	58.0
525	H-327	1,615.10	Zone - 2	0	1,749.41	58.1
526	V-328	1,614.40	Zone - 2	0	1,750.49	58.9
527	V-329	1,613.60	Zone - 2	0	1,750.95	59.4
528	V-330	1,613.60	Zone - 2	0	1,750.97	59.4

FlexTable: Junction Table (Dayton Water Model 2014-12 INCH OPTION.wtg)

Current Time: 0.000 hours

ID	Label	Elevation (ft)	Zone	Demand (gpm)	Hydraulic Grade (ft)	Pressure (psi)
529	V-331	1,613.60	Zone - 2	0	1,750.99	59.4
530	V-332	1,613.60	Zone - 2	0	1,750.92	59.4
531	H-333	1,613.60	Zone - 2	0	1,750.93	59.4
532	V-334	1,605.70	Zone - 2	0	1,751.11	62.9
533	H-335	1,605.70	Zone - 2	0	1,751.15	62.9
534	J-336	1,605.70	Zone - 2	6	1,751.20	63.0
535	V-337	1,605.70	Zone - 2	0	1,751.20	63.0
536	V-338	1,605.70	Zone - 2	0	1,751.23	63.0
537	V-339	1,605.70	Zone - 2	0	1,751.22	63.0
538	V-340	1,603.50	Zone - 2	0	1,751.45	64.0
539	J-341	1,603.50	Zone - 2	6	1,751.47	64.0
540	V-342	1,603.50	Zone - 2	0	1,751.46	64.0
541	V-343	1,603.50	Zone - 2	0	1,751.54	64.1
542	H-344	1,603.50	Zone - 2	0	1,751.44	64.0
543	J-345	1,603.70	Zone - 2	6	1,751.58	64.0
544	V-346	1,603.70	Zone - 2	0	1,751.56	64.0
545	J-347	1,605.40	Zone - 2	6	1,751.63	63.3
546	V-348	1,605.40	Zone - 2	0	1,751.62	63.3
547	J-349	1,605.40	Zone - 2	6	1,751.65	63.3
548	V-350	1,605.40	Zone - 2	0	1,751.67	63.3
549	V-351	1,605.40	Zone - 2	0	1,751.61	63.3
550	V-352	1,605.40	Zone - 2	0	1,751.74	63.3
551	H-353	1,605.40	Zone - 2	0	1,751.70	63.3
552	V-354	1,610.50	Zone - 2	0	1,751.09	60.8
553	V-355	1,609.30	Zone - 2	0	1,751.13	61.4
554	J-356	1,609.30	Zone - 2	6	1,751.16	61.4
555	V-357	1,609.30	Zone - 2	0	1,751.17	61.4
556	V-358	1,609.30	Zone - 2	0	1,751.17	61.4
557	H-359	1,609.30	Zone - 2	0	1,751.18	61.4
558	V-360	1,608.90	Zone - 2	0	1,751.28	61.6
559	J-361	1,608.90	Zone - 2	6	1,751.30	61.6
560	J-362	1,608.90	Zone - 2	6	1,751.30	61.6
561	V-363	1,608.90	Zone - 2	0	1,751.31	61.6
562	V-364	1,608.90	Zone - 2	0	1,751.31	61.6
563	V-365	1,608.90	Zone - 2	0	1,751.32	61.6
564	H-366	1,608.90	Zone - 2	0	1,751.31	61.6
565	J-367	1,609.10	Zone - 2	6	1,751.33	61.5
566	V-368	1,609.10	Zone - 2	0	1,751.34	61.5
567	V-369	1,609.60	Zone - 2	0	1,751.34	61.3
568	V-370	1,609.60	Zone - 2	0	1,751.38	61.3
569	V-371	1,609.60	Zone - 2	0	1,751.35	61.3
570	J-372	1,609.60	Zone - 2	6	1,751.35	61.3
571	H-373	1,609.60	Zone - 2	0	1,751.40	61.4
572	V-374	1,616.10	Zone - 2	0	1,751.97	58.8
573	V-375	1,616.10	Zone - 2	0	1,751.96	58.8
574	J-376	1,616.10	Zone - 2	6	1,751.96	58.8
575	H-377	1,614.50	Zone - 2	0	1,751.96	59.5

FlexTable: Junction Table (Dayton Water Model 2014-12 INCH OPTION.wtg)

Current Time: 0.000 hours

ID	Label	Elevation (ft)	Zone	Demand (gpm)	Hydraulic Grade (ft)	Pressure (psi)
576	V-378	1,621.15	Zone - 2	0	1,751.81	56.5
577	V-379	1,621.15	Zone - 2	0	1,751.77	56.5
578	V-380	1,621.15	Zone - 2	0	1,751.79	56.5
579	J-381	1,621.15	Zone - 2	6	1,751.79	56.5
580	J-382	1,616.30	Zone - 2	6	1,751.53	58.5
581	J-383	1,616.30	Zone - 2	6	1,751.52	58.5
582	H-384	1,616.30	Zone - 2	0	1,751.51	58.5
583	V-385	1,616.30	Zone - 2	0	1,751.50	58.5
584	V-386	1,616.30	Zone - 2	0	1,751.52	58.5
585	J-387	1,614.20	Zone - 2	6	1,751.41	59.4
586	V-388	1,614.20	Zone - 2	0	1,751.42	59.4
587	V-389	1,614.20	Zone - 2	0	1,751.40	59.4
588	V-390	1,614.20	Zone - 2	0	1,751.41	59.4
589	H-391	1,614.20	Zone - 2	0	1,751.38	59.4
590	V-392	1,615.00	Zone - 2	0	1,751.28	59.0
591	H-393	1,615.00	Zone - 2	0	1,751.26	59.0
592	V-394	1,617.00	Zone - 2	0	1,751.16	58.0
593	J-395	1,617.00	Zone - 2	6	1,751.16	58.0
594	V-396	1,617.00	Zone - 2	0	1,751.20	58.1
595	V-397	1,617.00	Zone - 2	0	1,751.14	58.0
596	H-398	1,617.00	Zone - 2	0	1,751.14	58.0
597	V-399	1,617.00	Zone - 2	0	1,751.12	58.0
598	H-400	1,613.60	Zone - 2	0	1,750.98	59.4
599	H-401	1,616.90	Zone - 2	0	1,749.90	57.5
600	V-402	1,616.90	Zone - 2	0	1,749.81	57.5
601	J-403	1,616.90	Zone - 2	6	1,749.81	57.5
602	V-404	1,616.90	Zone - 2	0	1,749.71	57.5
603	V-405	1,616.90	Zone - 2	0	1,749.79	57.5
604	V-406	1,618.70	Zone - 2	0	1,749.06	56.4
605	J-407	1,618.70	Zone - 2	6	1,749.00	56.4
606	V-408	1,618.70	Zone - 2	0	1,749.17	56.4
607	J-409	1,618.70	Zone - 2	6	1,748.83	56.3
608	V-410	1,618.70	Zone - 2	0	1,748.71	56.2
609	V-411	1,618.70	Zone - 2	0	1,748.67	56.2
610	J-412	1,620.60	Zone - 2	6	1,747.71	55.0
611	J-413	1,620.60	Zone - 2	6	1,747.71	55.0
612	V-414	1,620.60	Zone - 2	0	1,747.75	55.0
613	V-415	1,620.60	Zone - 2	0	1,747.62	55.0
614	H-416	1,620.60	Zone - 2	0	1,747.98	55.1
615	V-417	1,621.60	Zone - 2	0	1,747.07	54.3
616	V-418	1,621.60	Zone - 2	0	1,745.99	53.8
617	J-419	1,621.60	Zone - 2	6	1,747.02	54.3
618	V-420	1,621.60	Zone - 2	0	1,747.33	54.4
619	V-421	1,621.60	Zone - 2	0	1,747.68	54.5
620	J-422	1,621.60	Zone - 2	6	1,747.86	54.6
621	V-423	1,621.60	Zone - 2	0	1,748.02	54.7
622	H-424	1,621.60	Zone - 2	0	1,748.13	54.7

FlexTable: Junction Table (Dayton Water Model 2014-12 INCH OPTION.wtg)

Current Time: 0.000 hours

ID	Label	Elevation (ft)	Zone	Demand (gpm)	Hydraulic Grade (ft)	Pressure (psl)
623	H-425	1,622.80	Zone - 2	0	1,749.25	54.7
624	V-426	1,622.80	Zone - 2	0	1,749.40	54.8
625	J-427	1,622.80	Zone - 2	9	1,749.60	54.9
626	V-428	1,622.80	Zone - 2	0	1,749.64	54.9
627	V-429	1,622.80	Zone - 2	0	1,749.76	54.9
628	J-430	1,627.50	Zone - 2	6	1,750.12	53.1
629	V-431	1,627.50	Zone - 2	0	1,750.17	53.1
630	V-432	1,627.30	Zone - 2	0	1,750.12	53.1
631	H-433	1,627.50	Zone - 2	0	1,750.18	53.1
632	H-434	1,629.70	Zone - 2	0	1,750.13	52.1
633	H-435	1,631.90	Zone - 2	0	1,750.14	51.2
634	V-436	1,631.90	Zone - 2	0	1,750.14	51.2
635	J-437	1,631.90	Zone - 2	6	1,750.14	51.2
636	V-438	1,631.90	Zone - 2	0	1,750.15	51.2
637	V-439	1,631.90	Zone - 2	0	1,750.14	51.2
638	V-440	1,634.50	Zone - 2	0	1,750.12	50.0
639	J-441	1,634.50	Zone - 2	6	1,750.12	50.0
640	V-442	1,634.50	Zone - 2	0	1,750.12	50.0
641	H-443	1,634.50	Zone - 2	0	1,750.12	50.0
642	V-444	1,637.30	Zone - 2	0	1,750.11	48.8
643	H-445	1,637.30	Zone - 2	0	1,750.10	48.8
644	V-446	1,637.30	Zone - 2	0	1,750.10	48.8
645	V-447	1,637.30	Zone - 2	0	1,750.10	48.8
646	V-448	1,637.90	Zone - 2	0	1,750.09	48.5
647	J-449	1,637.90	Zone - 2	6	1,750.08	48.5
648	V-450	1,637.90	Zone - 2	0	1,750.08	48.5
649	V-451	1,637.90	Zone - 2	0	1,750.08	48.5
650	J-452	1,638.90	Zone - 2	6	1,750.07	48.1
651	J-453	1,638.90	Zone - 2	6	1,750.07	48.1
652	J-454	1,638.90	Zone - 2	6	1,750.07	48.1
653	V-455	1,638.90	Zone - 2	0	1,750.07	48.1
654	V-456	1,638.90	Zone - 2	0	1,750.07	48.1
655	V-457	1,638.90	Zone - 2	0	1,750.07	48.1
656	J-458	1,640.60	Zone - 2	6	1,750.06	47.4
657	V-459	1,640.60	Zone - 2	0	1,750.06	47.4
658	V-460	1,641.70	Zone - 2	0	1,750.06	46.9
659	J-461	1,641.70	Zone - 2	11	1,750.06	46.9
660	V-462	1,641.70	Zone - 2	0	1,750.06	46.9
661	V-463	1,641.70	Zone - 2	0	1,750.06	46.9
662	H-464	1,642.00	Zone - 2	0	1,750.06	46.8
663	H-465	1,646.98	Zone - 2	0	1,750.04	44.6
664	V-466	1,646.98	Zone - 2	0	1,750.04	44.6
665	V-467	1,646.98	Zone - 2	0	1,750.04	44.6
666	V-468	1,646.98	Zone - 2	0	1,750.04	44.6
667	V-469	1,646.98	Zone - 2	0	1,750.04	44.6
668	J-470	1,646.98	Zone - 2	6	1,750.04	44.6
669	H-471	1,645.20	Zone - 2	0	1,750.03	45.4

FlexTable: Junction Table (Dayton Water Model 2014-12 INCH OPTION.wtg)

Current Time: 0.000 hours

ID	Label	Elevation (ft)	Zone	Demand (gpm)	Hydraulic Grade (ft)	Pressure (psi)
670	J-472	1,645.20	Zone - 2	6	1,750.02	45.4
671	J-473	1,645.20	Zone - 2	6	1,750.02	45.4
672	V-474	1,645.20	Zone - 2	0	1,750.02	45.4
673	V-475	1,645.20	Zone - 2	0	1,750.02	45.4
674	J-476	1,644.80	Zone - 2	15	1,750.01	45.5
675	J-477	1,647.70	Zone - 2	6	1,750.01	44.3
676	J-478	1,647.70	Zone - 2	6	1,750.01	44.3
677	V-479	1,648.90	Zone - 2	0	1,750.02	43.7
678	J-480	1,648.90	Zone - 2	6	1,750.02	43.7
679	V-481	1,648.90	Zone - 2	0	1,750.02	43.7
680	J-482	1,652.30	Zone - 2	6	1,750.02	42.3
681	V-483	1,652.30	Zone - 2	0	1,750.02	42.3
682	V-484	1,652.30	Zone - 2	0	1,750.02	42.3
683	J-485	1,652.30	Zone - 2	6	1,750.02	42.3
684	J-486	1,655.00	Zone - 2	6	1,750.02	41.1
685	J-487	1,650.50	Zone - 2	6	1,750.03	43.1
686	V-488	1,650.50	Zone - 2	0	1,750.03	43.1
687	H-489	1,650.50	Zone - 2	0	1,750.03	43.1
688	J-490	1,656.00	Zone - 2	6	1,750.02	40.7
689	V-491	1,658.90	Zone - 2	0	1,750.02	39.4
690	J-492	1,658.90	Zone - 2	6	1,750.02	39.4
691	V-493	1,658.90	Zone - 2	0	1,750.02	39.4
692	V-494	1,658.00	Zone - 2	0	1,750.02	39.8
693	J-495	1,657.70	Zone - 2	6	1,750.02	39.9
694	V-496	1,682.90	Zone - 4	0	1,750.03	29.0
695	V-497	1,676.50	Zone - 2	0	1,750.03	31.8
696	H-498	1,670.10	Zone - 2	0	1,750.03	34.6
697	V-499	1,670.10	Zone - 2	0	1,750.03	34.6
698	H-500	1,664.30	Zone - 2	0	1,750.03	37.1
699	V-501	1,664.30	Zone - 2	0	1,750.03	37.1
700	V-502	1,661.50	Zone - 2	0	1,750.03	38.3
701	J-503	1,661.50	Zone - 2	6	1,750.03	38.3
702	V-504	1,661.50	Zone - 2	0	1,750.03	38.3
703	V-505	1,661.50	Zone - 2	0	1,750.03	38.3
704	V-506	1,659.50	Zone - 2	0	1,750.03	39.2
705	V-507	1,659.50	Zone - 2	0	1,750.03	39.2
706	V-508	1,659.50	Zone - 2	0	1,750.03	39.2
707	H-509	1,659.50	Zone - 2	0	1,750.03	39.2
708	H-510	1,658.00	Zone - 2	0	1,750.03	39.8
709	V-511	1,658.00	Zone - 2	0	1,750.03	39.8
710	V-512	1,658.00	Zone - 2	0	1,750.03	39.8
711	V-513	1,658.00	Zone - 2	0	1,750.03	39.8
712	H-514	1,653.60	Zone - 2	0	1,750.04	41.7
713	V-515	1,653.60	Zone - 2	0	1,750.04	41.7
714	V-516	1,653.60	Zone - 2	0	1,750.04	41.7
715	V-517	1,653.60	Zone - 2	0	1,750.04	41.7
716	V-518	1,653.60	Zone - 2	0	1,750.04	41.7

FlexTable: Junction Table (Dayton Water Model 2014-12 INCH OPTION.wtg)

Current Time: 0.000 hours

ID	Label	Elevation (ft)	Zone	Demand (gpm)	Hydraulic Grade (ft)	Pressure (psi)
717	V-519	1,650.60	Zone - 2	0	1,750.04	43.0
718	J-520	1,650.60	Zone - 2	6	1,750.04	43.0
719	V-521	1,650.60	Zone - 2	0	1,750.04	43.0
720	H-522	1,650.40	Zone - 2	0	1,750.04	43.1
721	V-523	1,649.40	Zone - 2	0	1,750.05	43.5
722	J-524	1,649.40	Zone - 2	6	1,750.05	43.5
723	V-525	1,649.40	Zone - 2	0	1,750.05	43.5
724	V-526	1,649.40	Zone - 2	0	1,750.05	43.5
725	H-527	1,647.00	Zone - 2	0	1,750.05	44.6
726	V-528	1,644.40	Zone - 2	0	1,750.07	45.7
727	J-529	1,644.40	Zone - 2	6	1,750.07	45.7
728	V-530	1,644.40	Zone - 2	0	1,750.07	45.7
729	V-531	1,644.40	Zone - 2	0	1,750.07	45.7
730	V-532	1,644.40	Zone - 2	0	1,750.07	45.7
731	H-533	1,644.40	Zone - 2	0	1,750.07	45.7
732	H-534	1,643.10	Zone - 2	0	1,750.08	46.3
733	V-535	1,643.10	Zone - 2	0	1,750.08	46.3
734	J-536	1,643.10	Zone - 2	6	1,750.08	46.3
735	V-537	1,643.10	Zone - 2	0	1,750.08	46.3
736	V-538	1,643.10	Zone - 2	0	1,750.08	46.3
737	H-539	1,641.40	Zone - 2	0	1,750.11	47.0
738	V-540	1,641.40	Zone - 2	0	1,750.11	47.0
739	V-541	1,641.40	Zone - 2	0	1,750.10	47.0
740	J-542	1,641.40	Zone - 2	6	1,750.11	47.0
741	J-543	1,641.40	Zone - 2	6	1,750.11	47.0
742	V-544	1,641.40	Zone - 2	0	1,750.11	47.0
743	V-545	1,641.40	Zone - 2	0	1,750.11	47.0
744	H-546	1,640.10	Zone - 2	0	1,750.15	47.6
745	J-547	1,640.10	Zone - 2	6	1,750.16	47.6
746	V-548	1,640.10	Zone - 2	0	1,750.16	47.6
747	V-549	1,640.10	Zone - 2	0	1,750.16	47.6
748	H-550	1,638.20	Zone - 2	0	1,750.20	48.5
749	V-551	1,638.20	Zone - 2	0	1,750.21	48.5
750	V-552	1,638.20	Zone - 2	0	1,750.21	48.5
751	V-553	1,638.20	Zone - 2	0	1,750.22	48.5
752	V-554	1,638.20	Zone - 2	0	1,750.21	48.5
753	J-555	1,638.20	Zone - 2	6	1,750.21	48.5
754	V-556	1,636.20	Zone - 2	0	1,750.30	49.4
755	V-557	1,636.20	Zone - 2	0	1,750.31	49.4
756	J-558	1,636.20	Zone - 2	6	1,750.31	49.4
757	J-559	1,634.60	Zone - 2	6	1,750.34	50.1
758	V-560	1,634.60	Zone - 2	0	1,750.34	50.1
759	V-561	1,633.60	Zone - 2	0	1,750.35	50.5
760	V-562	1,634.20	Zone - 2	0	1,750.36	50.3
761	J-563	1,634.20	Zone - 2	6	1,750.36	50.3
762	V-564	1,634.20	Zone - 2	0	1,750.37	50.3
763	V-565	1,634.20	Zone - 2	0	1,750.37	50.3

FlexTable: Junction Table (Dayton Water Model 2014-12 INCH OPTION.wtg)

Current Time: 0.000 hours

ID	Label	Elevation (ft)	Zone	Demand (gpm)	Hydraulic Grade (ft)	Pressure (psi)
764	V-566	1,633.50	Zone - 2	0	1,750.30	50.5
765	J-567	1,633.50	Zone - 2	6	1,750.29	50.5
766	H-568	1,631.00	Zone - 2	0	1,750.43	51.7
767	V-569	1,631.00	Zone - 2	0	1,750.44	51.7
768	J-570	1,631.00	Zone - 2	6	1,750.45	51.7
769	V-571	1,631.00	Zone - 2	0	1,750.45	51.7
770	V-572	1,629.80	Zone - 2	0	1,750.46	52.2
771	J-573	1,629.80	Zone - 2	6	1,750.47	52.2
772	V-574	1,629.80	Zone - 2	0	1,750.49	52.2
773	V-575	1,629.80	Zone - 2	0	1,750.45	52.2
774	V-576	1,626.90	Zone - 2	0	1,750.72	53.6
775	H-577	1,626.90	Zone - 2	0	1,750.75	53.6
776	V-578	1,626.90	Zone - 2	0	1,750.81	53.6
777	V-579	1,626.90	Zone - 2	0	1,750.73	53.6
778	V-580	1,624.10	Zone - 2	0	1,751.33	55.0
779	J-581	1,624.10	Zone - 2	6	1,751.40	55.1
780	J-582	1,624.10	Zone - 2	6	1,751.40	55.1
781	V-583	1,623.40	Zone - 2	0	1,751.40	55.4
782	V-584	1,624.10	Zone - 2	0	1,751.26	55.0
783	H-585	1,623.40	Zone - 2	0	1,751.40	55.4
784	V-586	1,621.70	Zone - 2	0	1,751.41	56.1
785	V-587	1,621.70	Zone - 2	0	1,751.41	56.1
786	V-588	1,621.70	Zone - 2	0	1,751.08	56.0
787	H-589	1,621.70	Zone - 2	0	1,751.41	56.1
788	V-590	1,619.00	Zone - 2	0	1,751.50	57.3
789	V-592	1,619.00	Zone - 2	0	1,751.51	57.3
790	V-591	1,619.00	Zone - 2	0	1,751.52	57.3
791	J-593	1,619.00	Zone - 2	6	1,751.51	57.3
792	H-594	1,619.00	Zone - 2	0	1,751.53	57.3
793	V-595	1,621.90	Zone - 2	0	1,751.64	56.1
794	V-596	1,621.90	Zone - 2	0	1,751.64	56.1
795	J-597	1,621.90	Zone - 2	6	1,751.65	56.1
796	V-598	1,621.90	Zone - 2	0	1,751.65	56.1
797	V-599	1,621.90	Zone - 2	0	1,751.77	56.2
798	V-600	1,621.90	Zone - 2	0	1,751.61	56.1
799	J-601	1,621.90	Zone - 2	6	1,751.58	56.1
800	H-602	1,621.90	Zone - 2	0	1,751.58	56.1
801	H-603	1,621.90	Zone - 2	0	1,751.58	56.1
802	J-604	1,622.20	Zone - 2	6	1,751.65	56.0
803	V-605	1,622.20	Zone - 2	0	1,751.65	56.0
804	H-606	1,622.20	Zone - 2	0	1,751.66	56.0
805	V-607	1,622.20	Zone - 2	0	1,751.66	56.0
806	H-608	1,617.00	Zone - 2	0	1,751.23	58.1
807	V-609	1,618.70	Zone - 2	0	1,751.68	57.5
808	J-610	1,618.70	Zone - 2	6	1,751.68	57.5
809	V-611	1,618.70	Zone - 2	0	1,751.71	57.5
810	J-612	1,618.70	Zone - 2	6	1,751.74	57.6

FlexTable: Junction Table (Dayton Water Model 2014-12 INCH OPTION.wtg)

Current Time: 0.000 hours

ID	Label	Elevation (ft)	Zone	Demand (gpm)	Hydraulic Grade (ft)	Pressure (psi)
811	V-613	1,618.70	Zone - 2	0	1,751.74	57.6
812	V-614	1,618.70	Zone - 2	0	1,751.76	57.6
813	J-615	1,619.30	Zone - 2	6	1,751.74	57.3
814	V-616	1,625.60	Zone - 2	0	1,751.75	54.6
815	V-617	1,616.30	Zone - 2	0	1,751.53	58.5
816	J-618	1,619.90	Zone - 2	6	1,751.11	56.8
817	H-619	1,621.15	Zone - 2	0	1,751.80	56.5
818	V-620	1,625.42	Zone - 2	0	1,751.81	54.7
819	H-621	1,629.61	Zone - 2	0	1,751.83	52.9
820	V-622	1,629.61	Zone - 2	0	1,751.83	52.9
821	V-623	1,629.61	Zone - 2	0	1,751.83	52.9
822	J-624	1,629.70	Zone - 2	6	1,751.83	52.8
823	H-625	1,629.70	Zone - 2	0	1,751.83	52.8
824	H-626	1,629.70	Zone - 2	0	1,751.83	52.8
825	J-627	1,629.70	Zone - 2	6	1,751.83	52.8
826	V-628	1,629.70	Zone - 2	0	1,751.83	52.8
827	V-629	1,629.70	Zone - 2	0	1,751.83	52.8
828	V-630	1,629.70	Zone - 2	0	1,751.83	52.8
829	V-631	1,625.00	Zone - 2	0	1,751.84	54.9
830	V-632	1,625.00	Zone - 2	0	1,751.85	54.9
831	J-633	1,625.60	Zone - 2	6	1,751.75	54.6
832	J-634	1,625.60	Zone - 2	6	1,751.82	54.6
833	J-635	1,625.80	Zone - 2	6	1,751.75	54.5
834	V-636	1,631.70	Zone - 2	0	1,751.93	52.0
835	H-637	1,630.90	Zone - 2	0	1,751.98	52.4
836	J-638	1,630.90	Zone - 2	6	1,751.99	52.4
837	V-639	1,630.90	Zone - 2	0	1,751.99	52.4
838	J-640	1,631.70	Zone - 2	6	1,751.93	52.0
839	V-641	1,631.70	Zone - 2	0	1,751.93	52.0
840	H-642	1,631.70	Zone - 2	0	1,751.92	52.0
841	V-643	1,631.70	Zone - 2	0	1,751.92	52.0
842	V-644	1,632.00	Zone - 2	0	1,751.89	51.9
843	H-645	1,632.00	Zone - 2	0	1,751.88	51.9
844	J-646	1,632.00	Zone - 2	6	1,751.88	51.9
845	V-647	1,632.00	Zone - 2	0	1,751.83	51.8
846	J-648	1,632.00	Zone - 2	6	1,751.83	51.8
847	V-649	1,632.00	Zone - 2	0	1,751.83	51.8
848	V-650	1,632.70	Zone - 2	0	1,751.86	51.6
849	J-651	1,632.70	Zone - 2	6	1,751.86	51.6
850	V-652	1,632.70	Zone - 2	0	1,751.86	51.6
851	V-653	1,634.20	Zone - 2	0	1,751.86	50.9
852	V-654	1,634.20	Zone - 2	0	1,751.86	50.9
853	J-655	1,634.20	Zone - 2	6	1,751.86	50.9
854	V-656	1,634.20	Zone - 2	0	1,751.86	50.9
855	H-657	1,634.20	Zone - 2	0	1,751.86	50.9
856	J-658	1,635.60	Zone - 2	6	1,751.87	50.3
857	J-659	1,635.60	Zone - 2	6	1,751.87	50.3

FlexTable: Junction Table (Dayton Water Model 2014-12 INCH OPTION.wtg)

Current Time: 0.000 hours

ID	Label	Elevation (ft)	Zone	Demand (gpm)	Hydraulic Grade (ft)	Pressure (psi)
858	V-660	1,635.60	Zone - 2	0	1,751.87	50.3
859	V-661	1,635.60	Zone - 2	0	1,751.87	50.3
860	V-662	1,637.00	Zone - 2	0	1,751.88	49.7
861	V-663	1,638.20	Zone - 2	0	1,751.89	49.2
862	H-664	1,638.20	Zone - 2	0	1,751.89	49.2
863	J-665	1,638.20	Zone - 2	6	1,751.90	49.2
864	V-666	1,638.90	Zone - 2	0	1,751.93	48.9
865	H-667	1,637.90	Zone - 2	0	1,751.94	49.3
866	V-668	1,637.90	Zone - 2	0	1,751.94	49.3
867	J-669	1,641.40	Zone - 2	6	1,751.97	47.8
868	H-670	1,649.50	Zone - 2	0	1,751.99	44.3
869	V-671	1,641.40	Zone - 2	0	1,751.97	47.8
870	V-672	1,636.40	Zone - 2	0	1,752.02	50.0
871	J-673	1,664.00	Zone - 2	6	1,752.02	38.1
872	H-674	1,639.60	Zone - 2	0	1,752.02	48.6
873	J-675	1,632.30	Zone - 2	6	1,752.05	51.8
874	V-676	1,631.60	Zone - 2	0	1,752.04	52.1
875	J-677	1,631.60	Zone - 2	6	1,752.03	52.1
876	V-678	1,631.60	Zone - 2	0	1,752.04	52.1
877	V-679	1,632.30	Zone - 2	0	1,752.07	51.8
878	J-680	1,632.30	Zone - 2	6	1,752.63	52.1
879	J-681	1,645.80	Zone - 2	83	1,754.61	47.1
880	V-682	1,637.60	Zone - 2	0	1,752.98	49.9
881	J-683	1,637.60	Zone - 2	6	1,753.14	50.0
882	V-684	1,637.60	Zone - 2	0	1,753.37	50.1
883	J-685	1,637.60	Zone - 2	6	1,753.75	50.3
884	V-686	1,637.60	Zone - 2	0	1,753.53	50.2
885	V-687	1,637.60	Zone - 2	0	1,754.64	50.6
886	V-688	1,637.60	Zone - 2	0	1,753.91	50.3
887	V-689	1,637.60	Zone - 2	0	1,753.23	50.0
888	H-690	1,637.60	Zone - 2	0	1,754.94	50.8
889	H-691	1,646.80	Zone - 2	0	1,753.83	46.3
890	J-692	1,646.80	Zone - 2	6	1,755.06	46.8
891	V-693	1,646.80	Zone - 2	0	1,755.17	46.9
892	V-694	1,656.80	Zone - 2	0	1,754.67	42.3
893	V-695	1,655.20	Zone - 2	0	1,754.76	43.1
894	J-696	1,655.20	Zone - 2	6	1,754.77	43.1
895	J-697	1,656.80	Zone - 2	6	1,755.15	42.6
896	V-698	1,656.80	Zone - 2	0	1,755.15	42.6
897	V-699	1,657.20	Zone - 2	0	1,755.24	42.4
898	J-700	1,657.20	Zone - 2	6	1,755.41	42.5
899	H-701	1,663.60	Zone - 2	0	1,755.19	39.6
900	V-702	1,663.60	Zone - 2	0	1,755.21	39.6
901	J-703	1,669.30	Zone - 2	6	1,755.33	37.2
902	V-704	1,669.30	Zone - 2	0	1,755.36	37.2
903	J-705	1,677.20	Zone - 2	6	1,755.32	33.8
904	V-707	1,750.00	Zone - 1	0	1,766.11	7.0

FlexTable: Junction Table (Dayton Water Model 2014-12 INCH OPTION.wtg)

Current Time: 0.000 hours

ID	Label	Elevation (ft)	Zone	Demand (gpm)	Hydraulic Grade (ft)	Pressure (psi)
905	H-708	1,745.60	Zone - 1	0	1,764.35	8.1
906	J-709	1,745.60	Zone - 1	6	1,763.68	7.8
907	V-710	1,738.20	Zone - 1	0	1,763.38	10.9
908	J-711	1,720.50	Zone - 1	6	1,757.10	15.8
909	V-712	1,720.50	Zone - 1	0	1,756.83	15.7
910	V-713	1,720.50	Zone - 1	0	1,757.08	15.8
911	V-714	1,740.00	Zone - 1	0	1,764.00	10.4
912	J-715	1,721.00	Zone - 1	6	1,760.87	17.2
913	V-716	1,721.00	Zone - 1	0	1,760.80	17.2
914	V-717	1,712.70	Zone - 1	0	1,760.86	20.8
915	J-718	1,712.70	Zone - 1	6	1,760.50	20.7
916	J-719	1,712.70	Zone - 1	6	1,760.19	20.5
917	H-720	1,712.70	Zone - 1	0	1,759.94	20.4
918	V-721	1,712.70	Zone - 1	0	1,760.17	20.5
919	V-722	1,694.70	Zone - 2	0	1,757.28	27.1
920	J-723	1,694.70	Zone - 2	6	1,757.01	27.0
921	V-724	1,694.70	Zone - 2	0	1,756.84	26.9
922	V-725	1,694.70	Zone - 2	0	1,757.02	27.0
923	V-726	1,694.70	Zone - 2	0	1,756.95	26.9
924	H-727	1,694.70	Zone - 2	0	1,756.88	26.9
925	V-728	1,685.90	Zone - 1	0	1,756.84	30.7
926	J-729	1,685.90	Zone - 1	6	1,756.25	30.4
927	V-730	1,685.90	Zone - 1	0	1,756.14	30.4
928	V-731	1,685.90	Zone - 1	0	1,755.92	30.3
929	V-732	1,685.40	Zone - 1	0	1,756.29	30.7
930	H-733	1,685.40	Zone - 1	0	1,756.43	30.7
931	V-734	1,683.50	Zone - 1	0	1,757.18	31.9
932	J-735	1,683.50	Zone - 1	6	1,757.49	32.0
933	V-736	1,683.50	Zone - 1	0	1,758.31	32.4
934	H-737	1,683.50	Zone - 1	0	1,758.48	32.4
935	V-738	1,666.10	Zone - 2	0	1,756.30	39.0
936	J-739	1,666.10	Zone - 2	6	1,756.16	39.0
937	V-740	1,666.10	Zone - 2	0	1,756.06	38.9
938	V-741	1,666.10	Zone - 2	0	1,756.22	39.0
939	V-742	1,666.10	Zone - 2	0	1,756.08	38.9
940	H-743	1,666.10	Zone - 2	0	1,756.28	39.0
941	V-744	1,655.50	Zone - 2	0	1,755.47	43.3
942	J-745	1,655.50	Zone - 2	6	1,755.54	43.3
943	V-746	1,655.50	Zone - 2	0	1,755.60	43.3
944	V-747	1,655.50	Zone - 2	0	1,755.54	43.3
945	H-748	1,655.50	Zone - 2	0	1,755.66	43.3
946	H-749	1,655.10	Zone - 2	0	1,755.54	43.5
947	J-750	1,626.50	Zone - 2	1	1,752.72	54.6
948	V-751	1,626.50	Zone - 2	0	1,752.72	54.6
949	V-752	1,624.10	Zone - 2	0	1,751.60	55.2
950	J-753	1,626.50	Zone - 2	6	1,752.72	54.6
951	H-754	1,684.90	Zone - 1	0	1,755.24	30.4

FlexTable: Junction Table (Dayton Water Model 2014-12 INCH OPTION.wtg)

Current Time: 0.000 hours

ID	Label	Elevation (ft)	Zone	Demand (gpm)	Hydraulic Grade (ft)	Pressure (psi)
952	V-755	1,684.90	Zone - 1	0	1,755.11	30.4
953	V-756	1,684.90	Zone - 1	0	1,755.00	30.3
954	J-757	1,684.90	Zone - 1	6	1,755.00	30.3
955	V-758	1,684.90	Zone - 1	0	1,754.87	30.3
956	V-759	1,673.20	Zone - 2	0	1,753.61	34.8
957	J-760	1,673.20	Zone - 2	6	1,753.37	34.7
958	V-761	1,673.20	Zone - 2	0	1,753.26	34.6
959	V-762	1,673.20	Zone - 2	0	1,753.36	34.7
960	H-763	1,673.20	Zone - 2	0	1,753.09	34.6
961	H-764	1,657.00	Zone - 2	0	1,752.30	41.2
962	V-765	1,651.80	Zone - 2	0	1,751.94	43.3
963	J-766	1,651.80	Zone - 2	6	1,751.86	43.3
964	V-767	1,651.80	Zone - 2	0	1,751.76	43.2
965	H-768	1,651.20	Zone - 2	0	1,751.54	43.4
966	H-769	1,639.40	Zone - 2	0	1,750.74	48.2
967	V-770	1,637.33	Zone - 2	0	1,750.59	49.0
968	J-771	1,637.33	Zone - 2	6	1,750.53	49.0
969	V-772	1,637.33	Zone - 2	0	1,750.53	49.0
970	V-773	1,637.33	Zone - 2	0	1,750.49	49.0
971	H-774	1,634.40	Zone - 2	0	1,750.54	50.2
972	V-775	1,634.40	Zone - 2	0	1,750.54	50.2
973	J-776	1,634.40	Zone - 2	6	1,750.54	50.2
974	V-777	1,634.40	Zone - 2	0	1,750.58	50.3
975	V-778	1,634.40	Zone - 2	0	1,750.53	50.2
976	V-779	1,634.40	Zone - 2	0	1,750.54	50.2
977	H-780	1,634.40	Zone - 2	0	1,750.54	50.2
978	J-781	1,629.10	Zone - 2	6	1,750.54	52.5
979	J-782	1,637.33	Zone - 2	9	1,750.44	48.9
980	V-783	1,637.33	Zone - 2	0	1,750.43	48.9
981	J-784	1,637.60	Zone - 2	6	1,750.34	48.8
982	H-785	1,638.40	Zone - 2	0	1,750.33	48.4
983	J-786	1,638.40	Zone - 2	10	1,750.33	48.4
984	V-787	1,638.40	Zone - 2	0	1,750.32	48.4
985	H-788	1,638.80	Zone - 2	0	1,750.32	48.2
986	V-789	1,638.80	Zone - 2	0	1,750.32	48.2
987	V-790	1,646.80	Zone - 2	0	1,750.22	44.7
988	J-791	1,646.80	Zone - 2	6	1,750.22	44.7
989	V-792	1,646.80	Zone - 2	0	1,750.22	44.7
990	J-793	1,646.80	Zone - 2	6	1,750.21	44.7
991	V-794	1,646.80	Zone - 2	0	1,750.21	44.7
992	V-795	1,646.80	Zone - 2	0	1,750.21	44.7
993	H-796	1,646.80	Zone - 2	0	1,750.21	44.7
994	V-797	1,656.60	Zone - 2	0	1,750.21	40.5
995	V-798	1,656.60	Zone - 2	0	1,750.20	40.5
996	H-799	1,656.60	Zone - 2	0	1,750.20	40.5
997	H-800	1,650.70	Zone - 2	0	1,750.15	43.0
998	V-801	1,650.70	Zone - 2	0	1,750.15	43.0

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ID	Label	Elevation (ft)	Zone	Demand (gpm)	Hydraulic Grade (ft)	Pressure (psi)
999	J-802	1,650.70	Zone - 2	6	1,750.14	43.0
1000	V-803	1,650.70	Zone - 2	0	1,750.14	43.0
1001	V-804	1,646.20	Zone - 2	0	1,750.15	45.0
1002	J-805	1,646.20	Zone - 2	6	1,750.15	45.0
1003	V-806	1,646.20	Zone - 2	0	1,750.14	45.0
1004	V-807	1,646.20	Zone - 2	0	1,750.15	45.0
1005	J-808	1,646.20	Zone - 2	6	1,750.15	45.0
1006	V-809	1,646.20	Zone - 2	0	1,750.16	45.0
1007	V-810	1,646.90	Zone - 2	0	1,750.09	44.6
1008	J-811	1,646.90	Zone - 2	6	1,750.08	44.6
1009	V-812	1,646.90	Zone - 2	0	1,750.08	44.6
1010	J-813	1,645.00	Zone - 2	6	1,750.10	45.5
1011	V-814	1,645.00	Zone - 2	0	1,750.10	45.5
1012	V-815	1,645.00	Zone - 2	0	1,750.09	45.5
1013	V-816	1,645.00	Zone - 2	0	1,750.10	45.5
1014	H-817	1,645.00	Zone - 2	0	1,750.09	45.5
1015	V-818	1,646.00	Zone - 2	0	1,750.07	45.0
1016	V-819	1,648.60	Zone - 2	0	1,750.00	43.9
1017	J-820	1,648.60	Zone - 2	6	1,749.99	43.9
1018	V-821	1,671.20	Zone - 3	0	1,747.29	32.9
1019	J-822	1,699.60	Zone - 3	94	1,745.41	19.8
1020	J-823	1,646.00	Zone - 2	6	1,750.06	45.0
1021	J-824	1,645.80	Zone - 2	6	1,750.07	45.1
1022	J-825	1,653.70	Zone - 2	6	1,750.03	41.7
1023	V-826	1,653.70	Zone - 2	0	1,750.03	41.7
1024	J-827	1,659.60	Zone - 2	6	1,749.67	39.0
1025	V-828	1,653.70	Zone - 2	0	1,750.03	41.7
1026	H-829	1,653.70	Zone - 2	0	1,750.03	41.7
1027	V-830	1,659.70	Zone - 2	0	1,750.03	39.1
1028	J-831	1,659.70	Zone - 2	6	1,750.03	39.1
1029	V-832	1,659.70	Zone - 2	0	1,750.03	39.1
1030	H-833	1,659.70	Zone - 2	0	1,750.03	39.1
1031	V834	1,661.10	Zone - 2	0	1,750.03	38.5
1032	J-835	1,661.10	Zone - 2	6	1,750.03	38.5
1033	V-836	1,661.10	Zone - 2	0	1,750.03	38.5
1034	H-837	1,661.10	Zone - 2	0	1,750.03	38.5
1035	H-838	1,666.70	Zone - 2	0	1,750.03	36.1
1036	V-839	1,603.70	Zone - 2	0	1,753.21	64.7
1037	V-840	1,603.70	Zone - 2	0	1,753.11	64.6
1038	J-841	1,603.70	Zone - 2	6	1,753.11	64.6
1039	V-842	1,603.70	Zone - 2	0	1,753.07	64.6
1040	H-843	1,603.70	Zone - 2	0	1,753.03	64.6
1041	V-844	1,599.40	Zone - 2	0	1,752.50	66.2
1042	H-845	1,599.40	Zone - 2	0	1,752.50	66.2
1043	V-846	1,605.40	Zone - 2	0	1,751.65	63.3
1044	H-847	1,582.00	Zone - 2	0	1,747.40	71.6
1045	H-848	1,594.20	Zone - 2	0	1,747.55	66.3

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1046	J-848	1,612.40	Zone - 2	6	1,750.82	59.9
1047	J-849	1,639.80	Zone - 2	6	1,750.71	48.0
1048	J-850	1,591.50	Zone - 2	6	1,747.57	67.5
1049	J-851	1,621.60	Zone - 2	6	1,747.62	54.5
1050	J-852	1,625.00	Zone - 2	6	1,751.84	54.9
1051	J-853	1,637.90	Zone - 2	11	1,750.08	48.5
1052	J-854	1,582.00	Zone - 2	8	1,747.38	71.6
1053	H-850	1,621.60	Zone - 2	0	1,744.65	53.2
1054	J-856	1,775.00	Zone - 4	0	1,750.02	-10.8
1055	J-858	1,680.00	Zone - 4	1	1,750.03	30.3
1056	J-859	1,772.00	Zone - 4	6	1,750.02	-9.5
1057	J-860	1,775.00	Zone - 4	2	1,750.02	-10.8
1058	J-861	1,775.00	Zone - 4	3	1,750.02	-10.8
1059	H-862	1,745.00	Zone - 4	0	1,750.02	2.2
1060	H-863	1,621.00	Zone - 2	0	1,751.83	56.6
1061	J-864	1,620.00	Zone - 2	0	1,751.81	57.0
2031	Resort	1,637.60	<None>	0	1,753.14	50.0