



Demand: (400 du) (3 p/du) (100 gpcd) (1.5)
= 180,000 gpd (1 day/24 hr) (hr/60 min)
= 125 gpm / 6 nodes = 21 gpm/node

Tank: Base = 270 ft msl dia. = 50 ft
 min = 4 ft max = 30 ft

Node Elev. Ft.

1	Tank
2	230
3	220
4	200
5	170
6	200
7	240

Pipe	Length ft	dia in.
1	500	6
2	1000	6
3	1500	6
4	2000	6
5	2500	6
6	2000	6
7	2000	6

Standard

Network Table - Nodes

Node ID	Elevation ft	Base Demand GPM	Demand GPM	Head ft	Pressure psi	Quality
Junc 2	230	0	0.00	298.72	29.78	0.00
Junc 3	220	0	0.00	296.16	33.00	0.00
Junc 4	200	0	0.00	295.30	41.29	0.00
Junc 5	170	0	0.00	294.15	53.79	0.00
Junc 6	200	125	125.00	292.72	40.17	0.00
Junc 7	240	0	0.00	294.44	23.59	0.00
Tank 1	280	#N/A	-125.00	300.00	8.67	0.00

Network Table - Links

Link ID	Length ft	Diameter in	Roughness	Flow GPM	Velocity fps	Unit Headloss R/Kft	Friction Factor	Reaction Rate mg/L/d	Quality	Status
Pipe 1	500	6	100	125.00	1.42	2.56	0.041	0.00	0.00	Open
Pipe 2	1000	6	100	125.00	1.42	2.56	0.041	0.00	0.00	Open
Pipe 3	1500	6	100	55.69	0.63	0.57	0.046	0.00	0.00	Open
Pipe 4	2000	6	100	55.69	0.63	0.57	0.046	0.00	0.00	Open
Pipe 5	2500	6	100	55.69	0.63	0.57	0.046	0.00	0.00	Open
Pipe 6	2000	6	100	-69.31	0.79	0.86	0.045	0.00	0.00	Open
Pipe 7	2000	6	100	-69.31	0.79	0.86	0.045	0.00	0.00	Open

Auto-Length Off | GPM | 100% | X,Y: 1547.90, 10000.00