Appendix F

Pressure and Velocity Results for Recommended Improvements
Legend

Peak Hour Pressure
- <50 psi
- 50 to 70 psi
- 70 to 100 psi
- 100 to 120 psi
- 120 to 140 psi

Peak Hour Velocity
- < 3 fps
- 3 to 5 fps
- 5 to 10 fps
- >10 fps

No Supply From Durham County

Figure F-1
Northwest Service Area, Scenario 4, Phase 1 Maximum Day Demand
Peak Hour Pressure and Velocity
No Supply From Durham County

Legend
Maximum Pressure
- <50 psi
- 50 to 70 psi
- 70 to 100 psi
- 100 to 120 psi
- 120 to 140 psi
- 140 to 150 psi

Reclaimed Water Lines
Treatment Plants
Storage Tank
Pressure Reducing Valve

Figure F-5
Northwest Service Area, Scenario 4, Phase 2 Seasonal Average Demand (May-Oct)
Legend

Maximum Pressure

- < 50 psi
- 50 to 70 psi
- 70 to 100 psi
- 100 to 120 psi
- 120 to 140 psi

Reclaimed Water Lines

Treatment Plants

Figure F-6
South Service Area, Scenario 4, Phase 2 Seasonal Average Demand (May-Oct)
Maximum Pressure
No Supply From Durham County

Legend

Peak Hour Pressure
- <50 psi
- 50 to 70 psi
- 70 to 100 psi
- 100 to 120 psi
- 120 to 140 psi

Peak Hour Velocity
- <3 fps
- 3 to 5 fps
- 5 to 10 fps
- 10 to 20 fps

Treatment Plants
Storage Tank
Pressure Reducing Valve

Figure F-7
Northwest Service Area, Scenario 4, Phase 3 Maximum Day Demand
Peak Hour Pressure and Velocity
South Service Area, Scenario 4, Phase 3 Maximum Day Demand
Peak Hour Pressure and Velocity
Northwest Service Area, Scenario 4, Phase 3 Seasonal Average Demand (May-Oct)

Legend
Maximum Pressure
- <50 psi
- 50 to 70 psi
- 70 to 100 psi
- 100 to 120 psi
- 120 to 140 psi
- 140 to 150 psi

Reclaimed Water Lines
Treatment Plants
Storage Tank
Pressure Reducing Valve

Figure F-9
Figure F-10
South Service Area, Scenario 4, Phase 3 Seasonal Average Demand (May-Oct)
Maximum Pressure

Legend
Maximum Pressure
- <50 psi
- 50 to 70 psi
- 70 to 100 psi
- 100 to 120 psi
- 120 to 140 psi
- 140 to 150 psi

Reclaimed Water Lines
- Treatment Plants
- Storage Tank