

## SECTION 3 SUMMARY

The Water System Rehabilitation has been installed at CSSA in accordance with the requirements of TO 0022 IWP, drawings and specifications issued in December 2007. However, not all the piping designed was installed because of budget constraints.

### 3.1 COMPLETED INSTALLATION

#### 3.1.1 Piping, Fittings, Valves

The following table provides a summary of the rehabilitation work installed by this project.

| Size          | Description              | Unit | Quantity |
|---------------|--------------------------|------|----------|
| 12-inch       | C900 PVC SDR 18 Pipe     | LF   | 6,734    |
| 10-inch       | C900 PVC SDR 18 Pipe     | LF   | 2,182    |
| 8-inch        | C900 PVC SDR 18 Pipe     | LF   | 7,493    |
| 6-inch        | C900 PVC SDR 18 Pipe     | LF   | 5,612    |
| 4-inch        | C900 PVC SDR 18 Pipe     | LF   | 2,609    |
| 3-inch        | Sch. 40 Galv. Steel Pipe | LF   | 38       |
| 2-inch        | Sch. 40 PVC Pipe         | LF   | 843      |
| 1-1/2-inch    | Sch. 80 PVC Pipe         | LF   | 96       |
| 1-inch        | Sch. 80 PVC Pipe         | LF   | 145      |
| Pipe Total LF |                          |      | 25,752   |
| 12-inch       | MJ Gate Valve            | EA   | 18       |
| 10-inch       | MJ Gate Valve            | EA   | 6        |
| 8-inch        | MJ Gate Valve            | EA   | 23       |
| 6-inch        | MJ Gate Valve            | EA   | 28       |
| 4-inch        | MJ Gate Valve            | EA   | 9        |
| 2-inch        | Gate Valve               | EA   | 7        |
| 1-inch        | Air Release Valve        | EA   | 8        |
| Total Valves  |                          |      | 99       |
| 5-1/4-inch    | Fire Hydrant             | EA   | 15       |
| 6-inch        | Post Indicator Valve     | EA   | 1        |

### 3.2 FUTURE WORK

Completion of the remaining design could be completed in the future as funds become available. The as-built documents include the design drawings not constructed and are marked NOT CONSTRUCTED.

### **3.3 WARRANTY**

The rehabilitated water system has a 12-month warranty from the date of the final inspections (September 15, 2008 and October 2, 2008). Warranty letters from the installers are provided in Appendix D.

Appendix D also includes an Operation and Maintenance Manual prepared by RAI for the CSSA water distribution system.