

## PMPC MUNICIPAL PROJECTS

**Name:** Spruce Street Sanitary Sewer and Water Line Replacement

**Client:** City of Rawlins

**Location:** Rawlins, Wyoming

**Status:** Completed 2004

### **Project Description:**

Spruce Street is a major east-west minor arterial street and a state highway in the City of Rawlins. The Wyoming Department of Transportation (WYDOT) will completely reconstruct the roadway and install a new storm sewer beginning in 2006. The City of Rawlins owns, operates and maintains the water and sanitary sewer systems in Spruce Street and will reconstruct these utilities in conjunction with the street reconstruction. PMPC designed the sanitary sewer and water system improvements for the City of Rawlins.

The existing sanitary sewer mains are deteriorating and require frequent maintenance. New sanitary sewer mains and services will be installed to reduce maintenance and provide additional capacity for growth.

The water system is operated in two pressure zones with the west end of Spruce Street dividing the upper and lower zones. The zones will be physically connected at several locations but temporarily isolated with closed valves. Residential pressure reducing valves will be installed in  $\frac{3}{4}$ " bypass lines around the closed valves allowing minimal flow in the dead end lines without having the problems of maintaining several full-size pressure reducing valve installations. All water mains and services will be replaced with backflow prevention devices installed on all services to prevent potential contaminations of the City's water system.

The sewer and water replacement cost was \$1,000,000. Rawlins received partial grant funding through the State Land and Investment Board's Mineral Royalties Grant Program.