

**Pleasant Valley Canal Rehabilitation Project
North of Red Lodge, Carbon County**

Sponsor: Carbon Conservation District, Joliet, MT

Partners: Beartooth Resource, Conservation and Development (RC&D); USDA-Natural Resources Conservation Service (NRCS), Joliet, MT; Montana Department of Natural Resources and Conservation (DNRC)

Project Description:

- Installed in the early 1960s, exceeds the life expectancy of the project
- To replace an existing 60-inch corrugated, steel pipe, siphon
- Extends 880-foot across the irrigation canal
- Capacity of 2000 miner inches +
- Topography in some areas exceeds a 45% grade below the siphon

Project Impacts - Natural Resources:

- 2000 acres of irrigated cropland
- Water conservation- loss of water through leakage of existing siphon
- Fish, waterfowl and wildlife habitat
- Public and recreational use
- Water quality – sediment/erosion
- Substantially lower amount of available water for domestic use

Project Impacts - Economic:

- Devastating loss of crop production
- Expense to move livestock -due to loss of pasture
- Loss of income to 20 families
- Potential loss or damage of residential property below the siphon



Looking at the county culvert



Looking west towards the county road