

Overview: Roadway and Drainage Design; Storm

Water Management; Hydrology

Douglas County, CO

Completion: 2006

Owner:

Ridge Road Improvements

Project Description

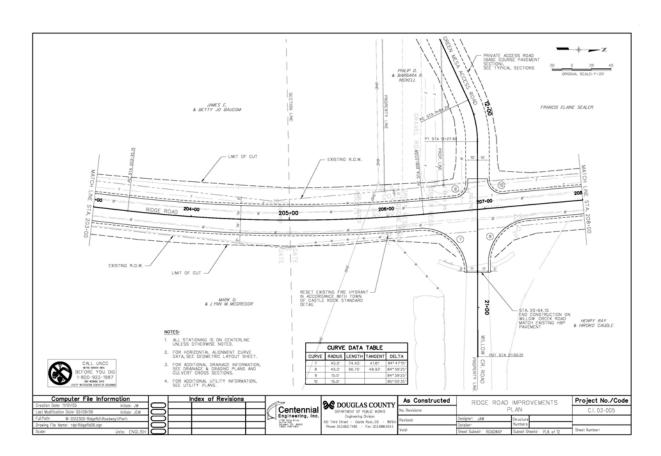
Centennial provided roadway and drainage design, storm water management, and hydrology services for this 1-mile long project in Douglas County.

The existing 20-foot wide gravel pavement section was redesigned to meet the requirements of a 32-foot wide, 45 mph design asphalt section with flat bottom ditches,

upgraded drainage system and permanent erosion control feastures..

Key design issues were minimizing adjacent property impacts in a narrow ROW corridor, avoiding impacts to two existing waterlines, erosion control, and coordination with future development.









Drainage and Erosion Control Issues on Ridge Road

SERVICES

Structural Engineering & Design
Roadway Design
Construction Engineering
Traffic Engineering
Intelligent Transportation Systems (ITS)
Surveys & Right-of-Way
Information Technology Systems

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