

# Central Oregon Irrigation District (COID) Conveyance



## Project Overview & Background

The Central Oregon Irrigation District (COID) provides agricultural and industrial water “for about 45,000 acres within a 180,000-acre area in Central Oregon,” (COID) to over “4,000 accounts and to the Cities of Bend and Redmond,” (COID). Their mission is to provide this water “in an environmentally and economically sustainable manner,” (COID). In 2018 the District started an ambitious project to replace the open Pilot Butte Canal with pipes that run through Bend, Redmond, and Terrebonne. This move would conserve up to 50 (fifty) percent of the water in the irrigation system from evaporation and seepage.

The most important aspect of a commodity-based irrigation system that sells water is ensuring there are no leaks, as evaporation and leaks lead to a significant monetary loss. The COID sought Infra Pipes’ Weholite® product to combat these challenges due to its robust leak-free characteristics and easily fabricated leak-free fittings.

Our unique manufacturing process for the closed structural profile-wall Weholite® pipe guarantees superior hydraulic efficiency, with a consistently low Manning’s N roughness factor of 0.01 throughout its 100 (one hundred) year design life. This allows the Pilot Butte Canal to maintain its flow requirements of 150 (one hundred and fifty) cubic feet per second for the life of the pipe, even through the most challenging conditions.

# System, Partners & Timeline

Owner	Distributor	Contractor	Installation Timeline
Central Oregon Irrigation District	Core & Main	LaDuke Construction LLC	February 2018 - March 2018

## STORAGE SYSTEM REQUIREMENTS

- 3,020'/920m of 132"/3.35m RSC160 Weholite® pipe
- 9 Elbows
- 1 Manhole

