



VISTA RIDGE: THE LARGEST WATER PUBLIC-PRIVATE PARTNERSHIP IN NORTH AMERICA BAR-WRAPPED (C303) AND STEEL PIPE



PROJECT OVERVIEW

At the time it was developed, the San Antonio Water System Vista Ridge Pipeline was the largest water public-private partnership (P3) in North America. A P3 prevents tax-payers from shouldering the burden of project costs; the private sector assumes most of the financing and risk. The award-winning project is scheduled to deliver up to 16 billion gallons of water annually and:

- ▶ Protect the Edwards Aquifer
- ▶ Prepare for drought
- ▶ Support future prosperity



PIPE SELECTION

The 150-mile project required 54" and 60" bar-wrapped (C303) and steel pipe, respectively. The majority of the line is bar-wrapped pipe.





WHY TWO TYPES OF PIPE?

Bar-wrapped pipe was used for pressure planes of 200 psi and lower. Steel was used for planes 225 psi and up. C303 was more economical at normal operating pressures.

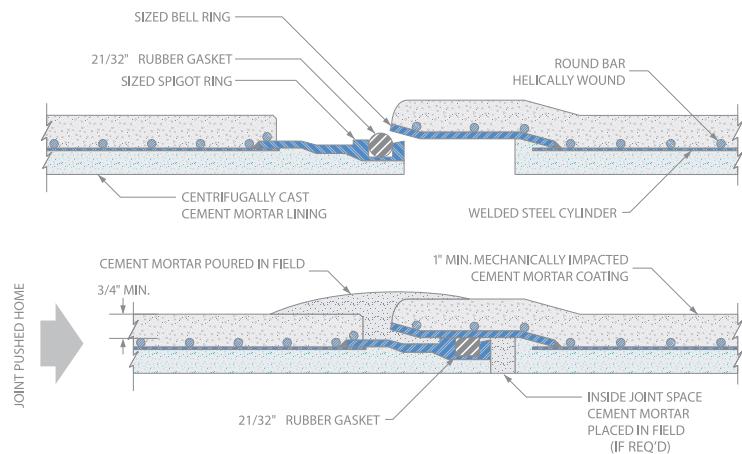
Benefits:

- ▶ Corrosion resistance
- ▶ Available diameters
- ▶ Affordable installation
- ▶ No welding required during installation

O-RING GASKET

The circular O-ring gasket provides a highly dependable positive joint seal. The gasket fits within a precisely shaped spigot groove and is completely confined when the joint is made and is:

- ▶ Made of high quality synthetic rubber with high tensile strength
- ▶ Extruded to exacting tolerances
- ▶ Measured volumetrically for 100% fill



RESULTS

The project received multiple awards:

- ▶ Water Deal of the Year, 2017 *Global Water Intelligence (GWI)*
- ▶ North America Water Deal of the Year, 2017 *IJGlobal*
- ▶ North America Water Deal of the Year, 2017 *Project Finance International (PFI)*
- ▶ Best Utilities Project, Gold Award, 2017 *P3 Bulletin*

