

DESIGN SPECIFICATIONS

Class Location - Class 4

Minimum Depth of Cover - 1.2 m

Pipe Size - NPS 8

External Diameter – 219.1 mm

Wall Thickness – 4.8 mm

Grade - 359 MPa

Pipe Specification - CSA Z245.1 Category I

Coating - Fusion Bonded Epoxy

Coating Specification - CSA Z245.20

Cathodic Protection - Magnesium Anode

Cathodic Specification - CGA OCC-1

Maximum Design Pressure - 4,500 kPa (650 psi)

Hoop Stress at Max. Design Pressure - 28.6% SMYS

Normal Operating Pressure - 3447 kPa (500 psi)

Fitting Specifications - CSA Z245.11

Valve Specifications - CSA Z245.15

Test Medium - Water

Hydrostatic Test Pressure – 9000 kPa (1,305 psi)

Hoop Stress at Test Pressure - 57% SMYS

Leak Test Pressure at

1.4 x Max. Design Pressure - 6,300 kPa (914 psi)