



Sewer Box Submittal Form

Job or Customer: _____

Job Location: _____

Engineer: _____

Contractor: _____

Submitted By: _____ Date: _____

Approved By: _____ Date: _____

Purchase Order Number: _____ Date: _____

General: This specification designates the requirements for the Sewer Box including internal pipe, fittings and Aluminum Hatch.

External Shell: Shall be constructed of high density polyethylene flat stock having a cell classification of 445574C with a UV stabilizer of C. All materials used shall have a minimum thickness of 1". Internal and external seams are heat welded using high density polyethylene welding rods having a cell classification of 445574C. The Aluminum Hatch is connected with 3/8" stainless steel counter sunk bolts.

Internal Bracing: Shall be spaced accordingly and constructed of a minimum of 1" thick high density polyethylene flat stock heat welded to the external shell with high density polyethylene welding rods.

Internal Piping: Shall be constructed of GSC Energy Pro PE 3608/4710 High Density Polyethylene DR 11 pipe, AWWA approved, having a cell classification of 445574C with a UV stabilizer of C. All joints shall be heat fused. The entire piping system is to be tested using 120 psi.

Fittings:

Branch and Service Saddles: Shall be molded out of high density polyethylene resins in accordance with the requirements of ASTM D-3261.

Butterfly Valve: (If applicable) Shall be constructed of a ductile iron body, 416 stainless steel stem with a lever shut off system.

Socket Fusion: Shall be molded out of high density polyethylene resins in accordance with the requirements of ASTM D-2683.

Butt Fusion: Shall be molded out of high density polyethylene resins in accordance with the requirements of ASTM D-3261.

Brass: Shall be constructed of cast bronze in accordance with ANSI/NSF 61

Hatch:

Hinge: Shall be an Unfinished 5052 Aluminum Surface Hinge with 3/8" Pin

Gas Springs: Shall be (Non-Locking) {or} (Locking), 120 lbs ± Force Mechanism of Compressed Nitrogen Gas and Oil, Steel Body with Black Nitride Steel Rod. Both using a Zinc-Plated Steel Ball Stud and Socket.

Aluminum: Shall be constructed of 6000 Series Aluminum Alloy as well as 1/4" Aluminum Tread plate constructed of Alloy 3003, Temper H224 with a 1 bar propeller bright finish. Hatch to have a maximum load capacity limit of 300 pounds per square foot.