

SPECIFICATION FOR CORRUGATED METAL PIPE

NESTABLE PIPE – ALUMINIZED STEEL TYPE 2

1.0 GENERAL

- 1.1 This specification covers the manufacture and installation of the Aluminized Steel Type 2 corrugated steel nestable pipe or pipe-arch (CSP) detailed in the project plans.

2.0 DESIGN STANDARDS

- 2.1 The CSP follows the design parameters of the American Association of State Highway and Transportation Officials (AASHTO) Standard Specification for Highway Bridges, AASHTO LRFD Bridge Design, and/or the American Iron and Steel Institute (AISI).

3.0 MATERIAL

- 3.1 The Aluminized Steel Type 2 coils shall conform to the applicable requirements of AASHTO M 274 or ASTM A929.

4.0 PIPE

- 4.1 The CSP shall be manufactured in accordance with the applicable requirements of AASHTO M 36 or ASTM A760. The pipe sizes and gauges shall be as shown on the project plans.

- 4.2 All fabrication of the product shall occur within the United States.

5.0 CONNECTION HARDWARE

- 5.1 The notched nestable pipe shall be supplied with galvanized fasteners consisting of stitches for diameters 18" thru 30". For 36" and 42" diameters, hook and eye bolts will be furnished. Two fasteners per foot of pipe shall be supplied.

6.0 HANDLING, ASSEMBLY, & INSTALLATION

- 6.1 Refer to the recommendations provided by the manufacturer.
- 6.2 It is always the contractor's responsibility to follow OSHA guidelines for safe practices.

7.0 CONSTRUCTION LOADS

- 7.1 Construction loads may be greater than design loads. The contractor shall follow the recommendations for additional compacted material per manufacturer's or NCSPA guidelines.