

Part 1 General

1.1 SUMMARY

- .1 Polyethylene plastic pipe sleeves for steel pipe bollards.

1.2 RELATED REQUIREMENTS

- .1 Ram Resistance: ASTM F2656 or DS SD-STD02.01 rated to stop 1,800 kg (4,000 lb.) vehicle traveling 48 km/hr. (30 mph) on impact.

1.3 ACTION SUBMITTALS

- .1 Shop Drawings:
 - .1 Submit shop drawings, catalogue sheets.
 - .2 Indicate materials, thicknesses, sizes, finishes, colours, construction details.

1.4 INFORMATIONAL SUBMITTALS

- .1 Product Data:
 - .1 Submit manufacturer's printed product literature panel signage or components, specifications and datasheet and include product characteristics, performance criteria, physical size, finish and limitations.
 - .2 Manufacturer's Instructions: submit manufacturer's installation instructions and special handling criteria, installation sequence, cleaning procedures.

1.5 WARRANTY

- .1 Bollard covers will resist fading and cracking for 6 years.

Part 2 Products

2.1 SYSTEM DESCRIPTION

- .1 Bollards: Steel pipe, concrete filled.
- .2 Foundations: Concrete as indicated on drawings.
- .3 Performance Requirements
 - .1 High molecular weight material. Designed for optimum balance of density, molecular weight and molecular weight distribution demonstrating maximum property advantages for large products that require high impact resistance.
 - .2 Ultraviolet Protection Additive. Six (6) Year UV stabilizer package.
 - .3 Thickness Nominal wall thickness will be 32mm (0.125 inch).
 - .4 Abrasion Resistant.
 - .5 Environmental Stress Cracks Resistant.
- .4 Ram Resistance: ASTM F2656 or DS SD-STD02.01 rated to stop 1,800 kg (4,000 lb.) vehicle traveling 48 km/hr. (30 mph) on impact.

Part 3 Execution

3.1 INSTALLATION

- .1 Manufacturer's Instructions: compliance: comply with manufacturer's written recommendations or specifications, including product technical bulletins, handling, storage and installation instructions, and data sheets.
- .2 Examine and verify foundation suitability for product installation.

3.2 CLEANING

- .1 On completion and verification of performance of installation, remove surplus materials, excess materials, rubbish, tools and equipment.
- .2 Leave bollards clean.

END OF SECTION