

323001 COLLAPSIBLE BOLLARDS

1.1 SECTION INCLUDES

1.1.1 Collapsible bollards and base units

1.2 REFERENCES

1.2.1 ASTM A53/A53M-04a Standard Specification for Pipe, Steel, Black and Hot-Dipped, Zinc-Coated and Welded and Seamless

1.2.2 ASTM A366 Standard Specification for Steel, Carbon, Cold-Rolled Sheet, Commercial Quality

1.2.3 ASTM A500 Standard Specification for Cold-Formed Welded and Seamless Carbon Tubing in Rounds and Shapes

1.3 PERFORMANCE REQUIREMENTS

1.3.1 Bollard will collapse down to 3.5" above finished ground surface.

1.3.2 Bollard unit will shear off from the base when pushed on by a vehicle at low speeds. Bollard may be reused by replacing the inserts and re-bolting to the base.

1.3.3 Wrench operated unit: Unit is released by applying torque to a fire-hydrant type nut releasing the pivot point to allow the bollard unit to lie down. The bollard may be returned to its original locked position without the use of any tools or other devices.

1.3.4 Padlock Operated Unit: Unlock the padlock and remove the pin to allow the pivot point to rotate and the bollard to lie down. Reverse the sequence to return bollard to its original and locked position.

1.4 MANUFACTURERS

- 1.4.1 Acceptable Manufacturers: Blue Ember Technologies, LLC, Sykesville, MD 21784, Tel 410-552-9888, Fax 410-552-9939, Website: <http://www.blueember.com>
- 1.4.2 Head Style: Architect should specify Style 1, 2 or 3 head type.
- 1.4.3 Base Type: Architect should specify Universal, Simple or EZ Base to meet the appropriate application.

1.5 MATERIALS

- 1.5.1 General: Provide material free from surface blemishes and defects where exposed to a view in the finished installation. Materials not specified shall be of good commercial quality, suitable in all respects for the purpose intended.
- 1.5.2 Steel Plate: A36 ASTM A36/A36M-05
- 1.5.3 Steel Tube: A53 ASTM A53/A53M-04a
- 1.5.4 Fasteners: Series 300 Stainless Steel

1.6 FINISHES

- 1.6.1 Primed (Standard): Apply standard rust inhibitive primer per manufacturer standard application instructions.
- 1.6.2 Powder Coat (Optional): Factory applied TIGER Drylac or equivalent.