

## Bollard Standards

This design guideline is written to the designer of record (DOR). This guideline is written to document UA standards of work, assist the designers in ensuring UA standards are incorporated into the contract documents and provide a resource to facilitate the design process. It is the designer of record's responsibility to coordinate the criteria set forth in design guideline and in conjunction with the manufacturer requirements and use the most stringent standard.

### A. General

1. Standard bollards shall be used throughout the campus. Design of bollards shall adhere to the following requirements:
  - a. 3" newel post cap, 5 ½" high, 2" diameter ball, Model 120-Lawler Foundry, Birmingham, Alabama
  - b. Sand, prime, and paint cap and pipe using UA's High Performance Paint standard for exterior metals – See Section 09 90 00 Painting and Coating  
  
[UA Painting and Coating Standard](#)
  - c. Bolt cap to 3" x 3" x 3/16" steel square tube pipe with 3/16" 1024 stainless steel bolts, drilled and tapped on two sides.
    - i. **Note:** Prior to installing, spray underside of cap with "Cold Galv" paint.

### B. Drawing

1. See Design Guidelines Section IV: Standard Drawings for "Pedestrian Bollard" and "Traffic Bollard" drawings.

[Pedestrian Bollard Detail](#)

[Traffic Bollard Detail](#)

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