

SECTION 32 40 00 _ Bollards

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PART 1 – GENERAL

Information in this Section is to be followed unless otherwise directed by University of Delaware (UD) Owner Representative and UD Grounds Representative (Assistant Director of Grounds or Landscape Planner).

1.1 SUMMARY

- A. This section contains information regarding the model and installation specifications for metal bollards.

1.2 REFERENCES

- A. 4C_DIVISION 11_111223_Parking Meters, Signs and Posts

1.3 DESIGN GUIDELINES

- A. Removable bollards are used throughout campus to control and direct traffic in areas that require access for a variety of pedestrian and vehicular user needs. Areas such as Pedestrian Walks/Fire Lanes, which are designed to accommodate emergency and fire vehicles, along with pedestrian traffic or university events such as move-in/ move-out, should have removable bollards installed, sometimes in combination with UD Vehicular Gates or Post and Chain Fencing, depending upon the specific site logistics.
- B. As per manufacturer’s recommendations, encompassing the following:
 - 1. Bollards are to be installed in concrete footers to prevent frost heaving.
 - 2. Square perimeter shaped forms to be provided for footer installation and pour, and to enable ease of paver installation around perimeter of footer at grade.
 - 3. Removable lids are to be installed just below grade so that they are not at risk for damage from snow plows when bollards are removed and lids are shut, but also not so low as to incur damage from water or to create a tripping hazard.
 - 4. One padlock per bollard to be provided by project’s budget.

PART 2 – PRODUCTS

2.1 Metal Bollard

A. Description:

- Model: R-7901
- Material: Steel
- Height: 36"
- Base D: 4 1/3"
- Finish: Textured Black
- Reflective Stripe
- Removable

B. Manufacturer/ Contact Information:

Reliance Foundry
Unit 207, 6450 – 148 Street
Surrey, British Columbia
Canada V3S-7G7
T: 888-735-5680
Fax: 604-590-8875
www.reliance-foundry.com

PART 3 – EXECUTION (no content)

PART 4 – ATTACHMENTS

4.1



END OF SECTION