



## Information Bulletin: Revised ES54 U2-02 Bollards

### 1.0 Items Covered

ES54 U2-02 Concrete Pad Protection, Bollards

### 2.0 Overview

Distribution Standards has made the following revisions to ES54 U2-02:

- (a) Added requirement to restrict vehicle speed to 50 km/hr to reduce distance from above ground equipment to curb from 3 m to 1.5 m;
- (b) Relaxed requirement for rectangular curb to extend 15 m on the approach traffic side. The rectangular curb can now extend to the nearest driveway letdown if bollards are placed between the aboveground equipment and the driveway.
- (c) Added a table summarizing when bollards are required for above ground equipment and additional notes describing their application;
- (d) Revised the typical bollard layout (Figure 1 on page U2-02.03) to include a minimum and maximum offset from the transformer pad; and
- (e) Updated the lifting insert shown on the precast concrete bollard (Figure 2 on page U2-02.04) to align with new product manufacturer.

### 3.0 Action

Effective April 2022

#### Designers and Engineers

Designers and engineers shall follow ES54 U2-02:

- (a) For all above ground equipment installations; and
- (b) To include the appropriate number and placement of bollards in their design.




#### Civil Inspectors

Civil inspectors shall follow ES54 U2-02 to ensure bollards are installed as per ES54 U2-02 Figures 1 and 2 and any site-specific considerations.

## 4.0 Distribution Standards Contact

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## 5.0 Approval

Recommended		Reviewed		Approved	
					
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Date:	2022-03-07	Date:	2022-03-07	Date:	2022-03-07