**Notes:**

1. If the shared-use path ends at a roadway or railroad crossing, then detectable warning truncated domes 24" (600) long and the full width of the path shall be installed, see detail C-2.

2. Steel tube to extend 1/2" (12) above ground with concrete to slope away from tube to keep water and sediment from draining into tube.

3. Bollards are not required for a shared-use path less than 8' (2450) wide.

4. The landing section shall be a minimum of 5' (1524) in length and shall have a minimum cross slope and running slope of 2%. The entire landing section must also be concrete.

5. The ramp section shall have a maximum cross slope of 2%. It shall also have a minimum running slope of 2%. However, if a 2% running slope does not allow the ramp to meet existing grade within 15' (4572), the running slope may exceed 2%.

6. Stripping material to be determined by the engineer based on the material that the stripping is being placed on.

7. The appropriate type 3 object marker shall be placed on the front and back of each bollard as per this detail.

**Delaware Department of Transportation**

**Bollard & Shared-Use Path Details**

**Approved**

**Signature on File**

07/01/2010

**Recommended**

**Signature on File**

01/14/2020