

**DESCRIPTION**

The work shall consist of installing steel bollards as shown on the plans and as directed by the Resident ENGINEER.

**MATERIAL**

Steel bollards shall be 100mm outside diameter, 2.0 meters long, new galvanized steel pipe with steel acorn caps, painted yellow. Paint shall conform to Rustoleum - yellow, or approved equivalent.

**CONSTRUCTION DETAILS**

Tops of all bollards shall be uniform in height and line. Interior surface of post cap in contact with the bollard shall be coated with epoxy, prior to being wedged in place. Prior to installation of the post cap, the bollard shall be filled with concrete.

Bollards shall be set in a concrete footing 0.9 meters deep, with 75 millimeters all around encasement, on 150 millimeter bed of gravel. Top of footing shall be flush with finished grade in paved areas and domed in grass areas.

**METHOD OF MEASUREMENT**

The quantity to be measured for payment shall be the number of each item furnished and installed.

**BASIS OF PAYMENT**

The unit price bid shall include the cost of: furnishing and installing all materials including but not limited to steel pipe, acorn caps, pipe sleeves, chain loops, painting; excavation; concrete footings; gravel; and furnishing all labor, material and equipment necessary to complete the work.

Payment will be made under:

<b><u>Item No.</u></b>	<b><u>Item</u></b>	<b><u>Pay Unit</u></b>
616.7903M	100mm Steel Bollards	EA