

## Fencing & Bollard Installation – Specifications (Fence Supplied)

### 1. General

- All works are to be carried out in accordance with relevant Australian Standards, WHS legislation, and Council requirements.
  - The contractor is responsible for:
    - Site setup, protection of existing assets, and reinstatement of disturbed areas.
    - Supply of all fixings, consumables, fasteners, concrete, and installation materials (excluding the fence panels/posts supplied by Council).
  - All measurements to be confirmed onsite prior to installation.
  - Works to be completed with minimal disruption to public access.
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### 2. Fence Installation (Fence Supplied by Council)



### Fence Type

- Material: Steel construction (fence panels and posts supplied by Council)
- Finished height: 900 mm above finished path level
- Finish: As supplied (contractor to avoid damage to coating)

### Fixing Method

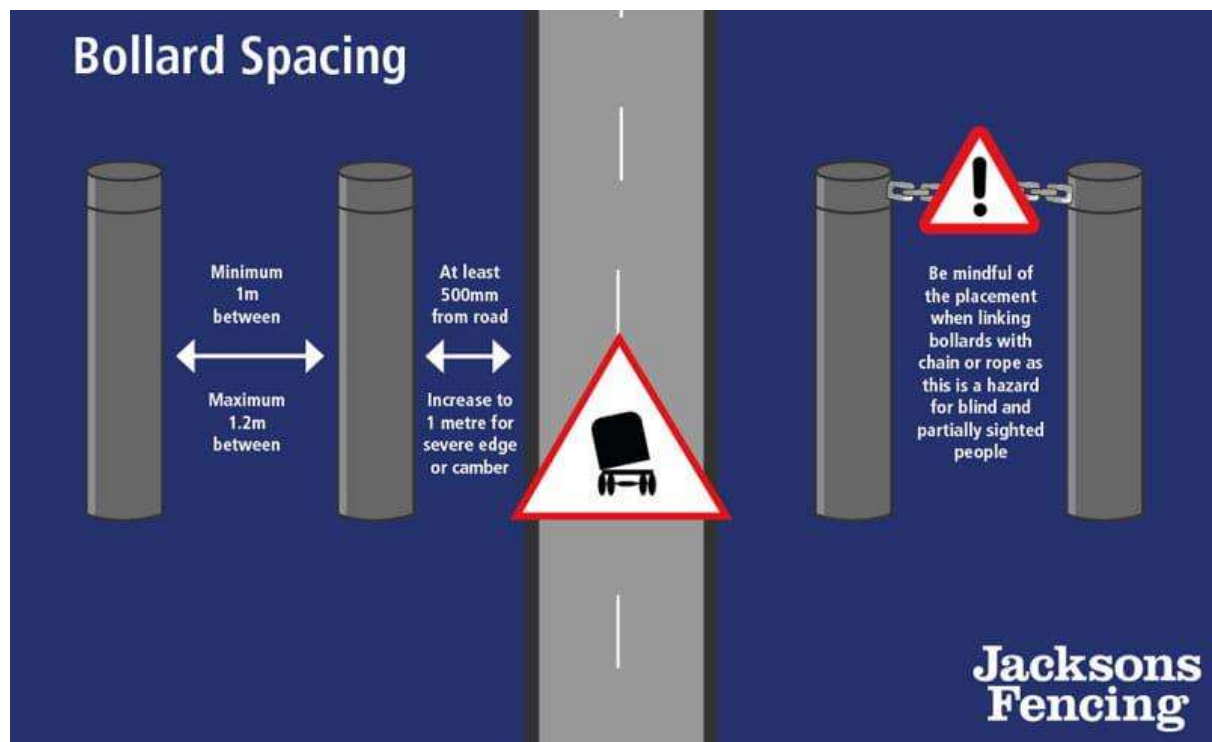
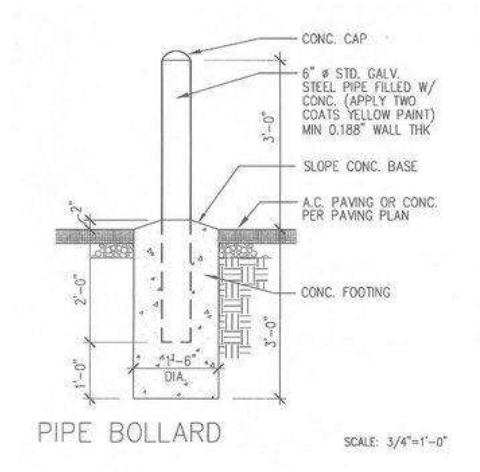
- Fence posts to be base plate mounted and mechanically fixed to existing concrete path.
- Fixings:
  - Minimum M12 galvanised or stainless steel masonry anchors (or equivalent approved).
  - Number and spacing of fixings to suit engineering requirements and manufacturer's recommendations.
- **Contractor to ensure:**
  - Fixings do not crack, spall, or compromise the concrete slab.
  - Adequate edge distances are maintained.
  - All fixings are flush, secure, and tamper-resistant where possible.

### Alignment & Tolerances

- **Fence to be installed:**
  - Plumb and level.

- Consistent height and alignment along the path.
- With neat, uniform spacing between panels/posts.

### 3. Bollard Installation



#### Bollard Type

- Material: Steel round pipe
- Caps: Steel cap fittings (welded or securely fixed)
- Finish: Galvanised or painted (contractor to nominate)

#### Dimensions

- Embedment depth: 300 mm below finished ground level
- Exposed height: 750 mm above finished ground level
- Total bollard length: Minimum 1050 mm

#### **Footings**

- Bollards to be set in concrete footing:
    - Minimum 200 mm diameter (or as required to suit ground conditions).
    - Concrete strength: Minimum 20 MPa.
  - **Bollards to be installed:**
    - Plumb and aligned.
    - Set to consistent heights and spacing (as directed onsite or per drawings).
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#### **4. Concrete & Finishing**

- All disturbed surfaces to be:
  - Neatly reinstated.
  - Free of trip hazards.
- Any excess concrete, spoil, or debris to be removed from site.
- Existing paths and surrounding areas to be left clean and undamaged.