

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.

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

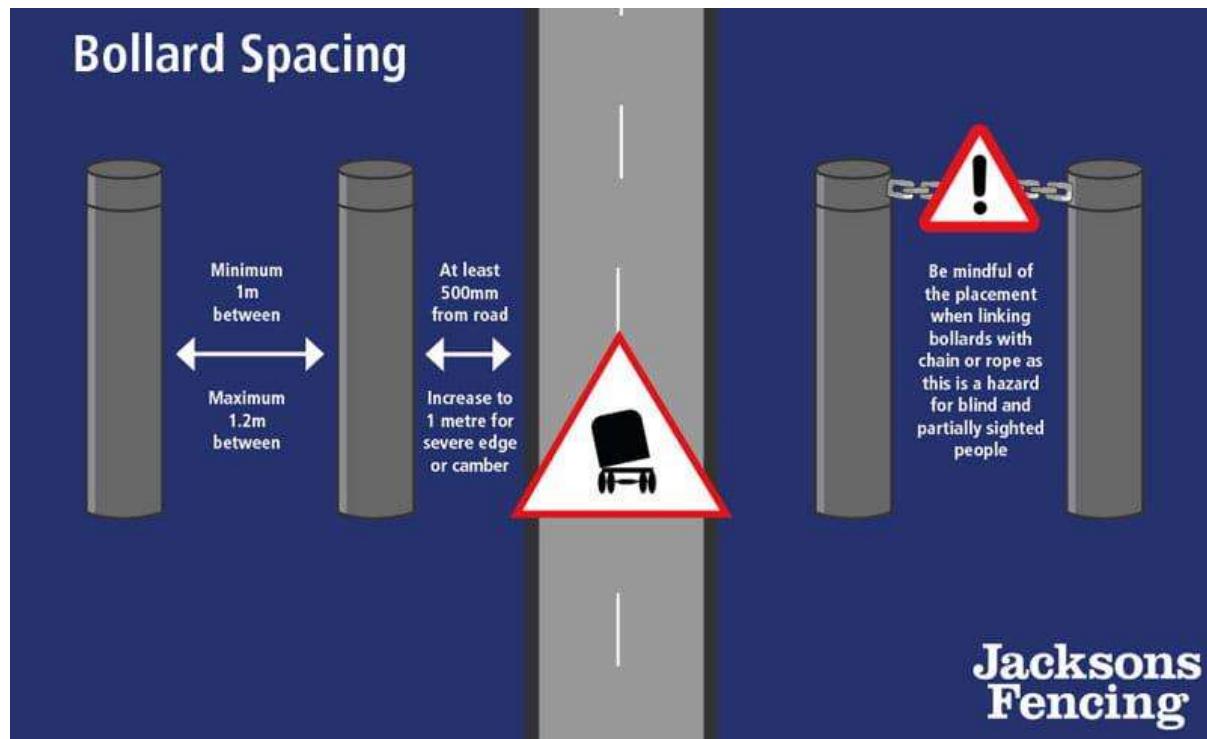
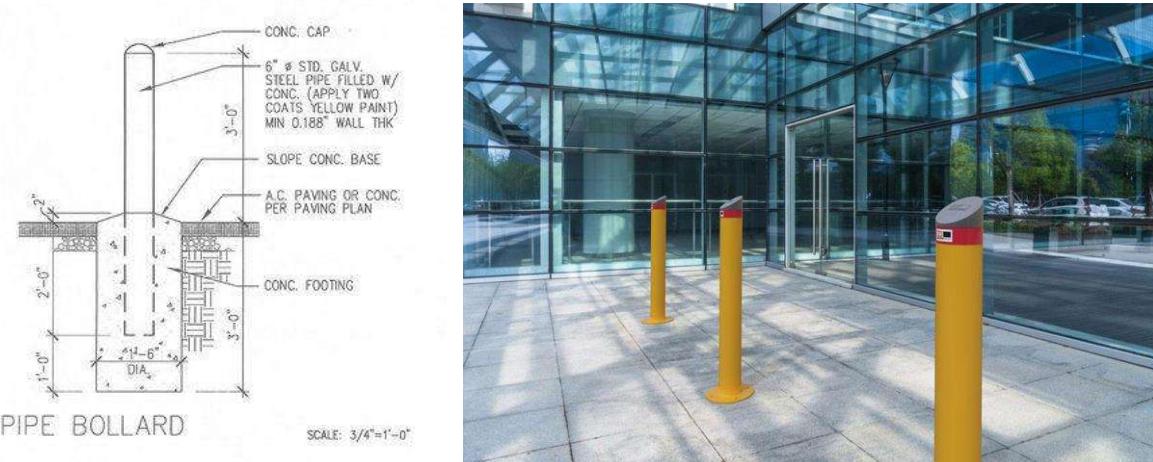
- Fence posts to be base plate mounted and mechanically fixed to existing concrete path.
- Fixings:
 - Minimum M12 galvanised or stainless steel masonry anchors (or equivalent approved).
 - Number and spacing of fixings to suit engineering requirements and manufacturer's recommendations.
- **Contractor 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).

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.