PEDESTRIAN FENCING WITHIN THE ROAD RESERVE

Pedestrian fencing within the road reserve is often required to direct pedestrians to defined crossing points (ie in proximity to schools), restrict access across roads (ie with the median strip) or to provide separation between pedestrians and vehicles (ie around bus stops/shelters). Pedestrian fencing within the road reserve must be designed to be visually unobtrusive, low maintenance, transparent and frangible.

All fencing located within the road reserve will be referred to Council's Engineering and Transportation Department for review prior to approval.

Minimum Requirements for Fencing within the Road Reserve

As a *minimum* standard, fencing within the road reserve (refer to drawing **SDL.3.17**) shall:

- Have a minimum height of 1.3 metres above ground level.
- Comprise 5mm wire weld mesh panels 1.22 metres in height. The mesh shall be specified as 50mm X 150mm grid pattern and shall be hot dip galvanised or powder coated black. The mesh shall be installed 50mm above the existing ground level.
- Comprise 50mm X 50mm X 1.6mm RHS posts 1.3 metres in height and spaced at 2.5 metre centres. The posts shall include a 150mm X 150mm X 10mm base plate. Posts and base plates shall be hot dipped galvanised or powder coated black. All posts shall include end caps and end posts shall include high visibility reflective tape installed 100mm from the top of the post. NB: post height will vary depending on the footing detail specified.
- Comprise six (6) galvanised "U" clips per panel to attach the mesh to the upright posts (3 clips each side). The clips shall be held in position via one (1) 12mm X 20mm zinc coated self-tapping TEK screw per clip. Drill holes in the upright to house the screws and in the base plate to house the bolts shall be pre-drilled prior to the post being hot dipped galvanised.
- Comprise concrete footings nominally 300mm wide X 400mm long X 300mm deep installed on a 50mm bed of class 2 (20mm) crushed rock. Concrete shall be 25MPa minimum and include two (2) rows of 12mm diameter trench mesh. The base plate shall be connected to the footing via four (4) 10mm (commercial – 4.6 grade) fully threaded bolts. The bolts shall be embedded a minimum depth of 100mm and the bolt holes filled with injection mortar (chemical anchor epoxy resin). For alternative footing details (direct buried and/or post set in compacted soil) refer to associated drawing.

Preferred Requirements for Fencing within the Road Reserve

Council's *preferred* fencing within the road reserve (refer to drawing **SDL.3.18**) shall:

- Have a minimum height of 1.1 metres above ground level and be black in colour.
- Comprise "Willow ARC" fence panels 900mm in height and 2.4 metres in length. The panel shall be powder coated black, installed 100mm above the finished ground surface and connected to the timber uprights via galvanised TEK screws.

- Comprise 150mm X 150mm X 1.8 metre dressed seasoned hardwood posts (1.1 metre above and 700mm below the finished ground surface) with a Natural Durability Class 2 or better to ensure a 25+ year service life. All timber shall be straight, clean and free of defects (splits, loose knots, cavities and splinters). Council will not accept the use of treated softwood for this application. Post shall be installed at nominally 2.55 metre centres and end posts shall include rebated, high visibility reflector disks or reflective tape. All upright posts shall include a 50mm diameter drill hole installed 150mm above the finished ground surface to provide a fracture point.
- Comprise concrete footings nominally 350mm wide X 350mm long X 750mm deep installed on a bed of 50mm Class 2 (20mm) crushed rock. Concrete shall be 25MPa minimum. The top of the concrete footing must include a splay (30 degrees minimum) running away from the upright.

All fencing to be installed within an arterial road is subject to approval by VicRoads.