

PART R86
SUPPLY AND INSTALLATION OF FENCING

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1. GENERAL

- .1 This Part specifies the requirements for the supply and installation of "Ringlock" fencing, pedestrian fencing and chainlink fencing. All fences shall be installed in accordance with the Manufacturer's instructions.
- .2 When installed on a boundary, fence components shall not be installed outside the line of the boundary.
- .3 Unless specified otherwise, any redundant existing fencing shall become the property of the Contractor and shall be removed and disposed of off site.

2. "RINGLOCK" FENCING

- .1 This clause applies where "Ringlock" fencing is specified.

Materials

- .2 Mesh wire shall be Boral Ringlock or similar approved.
- .3 Plain wire shall be 2.8 mm high tensile, standard galvanized.
- .4 Barbed wire shall be 1.5 mm high tensile wire, standard galvanized.
- .5 Droppers shall be star droppers, manufactured of steel "Y" section 1 500 mm long with a painted finish, a pointed end and wire seating slots at the top. Engager holes shall be spaced to match each of the horizontal fence wires.
- .6 Posts shall be 100 mm minimum diameter, 1.8 m long, preservative treated in accordance with AS 1604.1 "Specification for Preservative Treatment, Part 1 Sawn and Round Timber".

Installation

- .7 Posts and droppers (if any) shall be installed at intervals as specified or on the drawings. The minimum depth of embedment of posts shall be 600 mm. Posts shall be driven into the ground where practicable. Alternatively, post holes may be pre-drilled and the hole firmly backfilled after placing of the post.
- .8 The fence shall be constructed over any terrain including creeks in a stock proof configuration and shall tie in with existing fencing as required.
- .9 Box strainers shall be installed at 200 m intervals, at the end of each run of new fence or at every change in direction.
- .10 The Contractor is deemed to have allowed for pre-drilling with a large tractor mounted post-hole borer.
- .11 If this Contract provides for additional payment where rock is encountered, the Contractor shall provide immediate notification to the Principal if the material cannot be penetrated with the post-hole borer.

3. PEDESTRIAN SAFETY FENCE

- .1 This clause applies where pedestrian safety fencing is specified.
- .2 Pedestrian safety fence shall be tubular loop fencing, "Belmont", or similar approved, erected in accordance with the manufacturer's instructions.

- .3 Fencing materials shall consist of galvabond tubing of the following dimensions:
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|-------------|---|
| Uprights | outside diameter 19.0 mm, 1.2 mm thick |
| Cross rails | outside diameter 31.8 mm, 1.6 mm thick. |
- .4 Pedestrian safety fencing shall be 1.2 m high, except:
- Where used near intersections where it obstructs SISD, or
 - At pedestrian crossings where drivers are required to give way to pedestrians on or approaching the crossing (ie children's crossings, wombat crossings or zebra crossings).
In these locations, it shall be a maximum of 0.8 m high.
- .5 Fence posts shall have a minimum embedment depth of 600 mm. Post holes shall be 200 mm diameter. Concrete shall only be placed around the bottom 200 mm of the fence post and the top 100 mm flush with the finished ground surface. The post holes shall not have continuous concrete backfill.
- .6 The colour of the pedestrian safety fence shall be the colour specified in the on the drawings and in accordance with AS 2700 "Colour Standards for General Purposes".
- .7 All welds shall be powder coated.

4. **CHAIN LINK FENCE**

- .1 This clause applies where chain link fencing is specified.
- .2 The chain link fence shall comply with AS 1725 "Galvanized Rail-less Chainwire Security Fences and Gates".
- .3 The fence posts shall be 50 mm diameter steel posts set in concrete at 3 m centres. Posts and chain link mesh shall be epoxy coated. The height and colour of the fence shall be as specified or on the drawings.

5. **HOLD POINTS**

- .1 There are no Hold Points referenced in this Part.
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