



**NOTES:**

1. Circular pit of type 60 to be 600 I.D. and circular pit of type 100 to be 1000 I.D. Wall thickness to be 13mm ±2mm, absolute minimum thickness of 11mm. The height shall be 1200mm ±10mm.
2. Pit shall have a base with a thickness of 15mm ±2mm and contain two 25mm drainage holes located diametrically opposite each other as shown. If manufactured separate to the pit, the base shall be permanently attached to the pit through the use of plastic welding.
3. The pit shall have sufficient vertical strength to support the Class B design load applied in accordance with AS 3996 where the load is transferred from the collar into the pit wall only via 12-M16 bolts. The resultant permanent vertical deformation of the pit and collar system after the load is removed shall be less than 10mm.
4. The Collar shall be placed on the pit prior to compaction of the backfill material to prevent elongation of the top of the pit.
5. 12 Galvanised cuphead M16 bolts with 2 washers each, one next to the nut and one next to the square section underneath the cuphead, to permanently attach the collar to the pit. The cupheads are on the inside of the pit. All bolts, nuts and washers are to be galvanised to AS/NZS 1214.
6. Pit shall be transported and stored upright.
7. Total pit lifting mass shall be less than 40kg.
8. Cable Junction Box supporting strap manufactured in accordance with Standard Drawing 1418 shall be supplied attached to the inside of the pit. The protruding bolts, refer to Notes 5, allow the attachment of a Bell Joint strap, if required, as per SD1418.
9. Two (2) Permanent Identifying Labels shall be attached to the inside of each pit at 300mm and 600mm from the top of the pit to the centre of the label, at 90 degrees offset from each other and shall state "[Manufacturer's Name]", "Date of Manufacture [(month/year)]", "[weight of product] kg".
10. Collar shall be placed on the pit prior to compaction of the backfill material to prevent elongation of the top of the pit.
11. Pit shall not be installed in roadways.
12. Backfill shall be compacted in accordance with MRTS04 and MRTS91.
13. Dimensions are in millimetres unless shown otherwise.

ASSOCIATED DEPARTMENTAL DOCUMENTS:

Standard Drawings  
Specifications

REFERENCED DOCUMENTS:

Departmental Standard Drawings:

- 1149 Traffic Signals/Road Lighting/ITS – Installation of Underground Electrical and Communications Conduit
- 1314 Traffic Signals/Road Lighting – Cable Jointing Pit Drainage Details
- 1416 Traffic Signals/Road Lighting – Collar for Circular Cable Jointing Pit
- 1417 Traffic Signals/Road Lighting – Cable Jointing Pit–Circular Pit Cover
- 1418 Traffic Signals/Road Lighting – Junction Box Supporting Strap

Departmental Specifications:

- MRTS04 General Earthworks
- MRTS91 Conduits and Pits

Australian Standards:

- AS 3996 Access Covers and Grates
- AS/NZS 1214 Hot-dip galvanised coatings on threaded fasteners

Bedding in accordance with MRTS04 and MRTS91

**CIRCULAR PIT**

**INSTALLATION OF CONDUITS AND PITS IS THE RESPONSIBILITY OF THE LICENSED ELECTRICAL CONTRACTOR**

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TRAFFIC SIGNALS/ROAD LIGHTING			
CIRCULAR CABLE JOINTING PIT TYPES 60 AND 100		A3 Not to Scale	Standard Drawing No <b>1415</b> Date 3/2022
B	H	J	L