

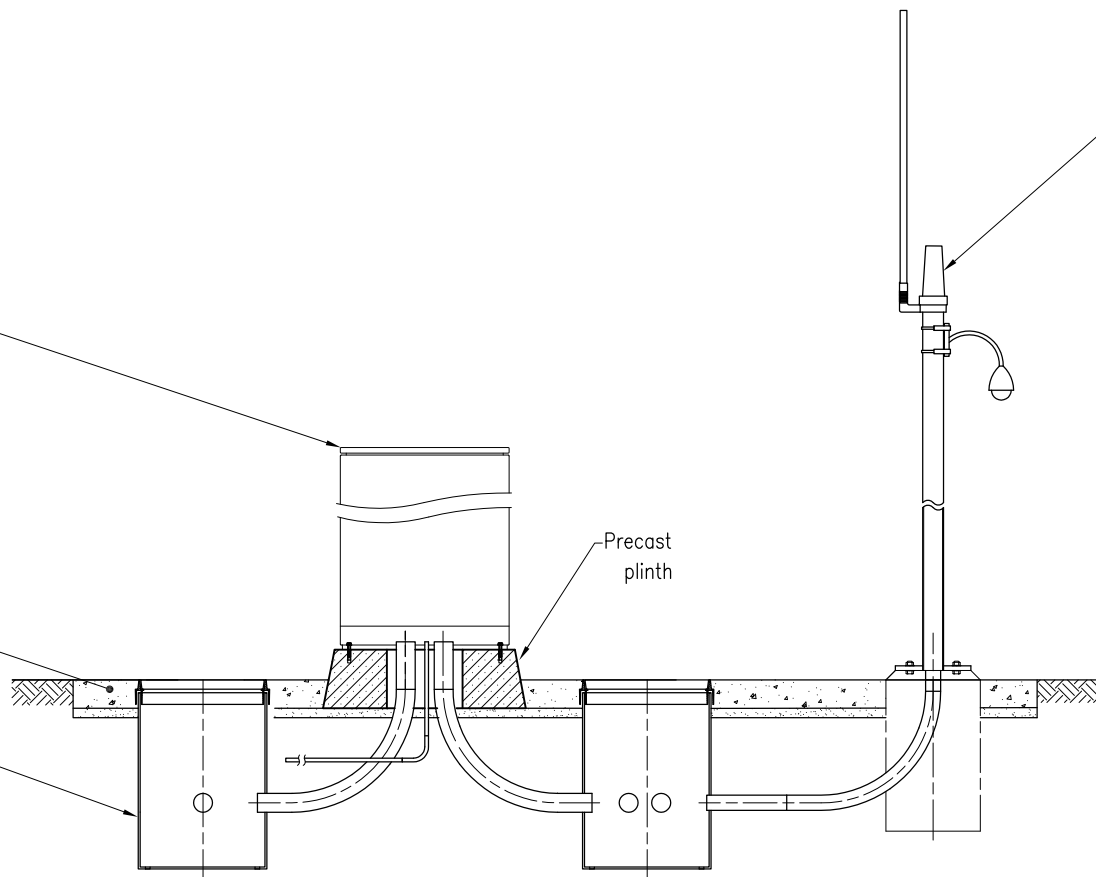
Refer Standard Drawings 1905 for traffic monitoring cabinet typical equipment details

Concrete slab

Electrical pit

Precast plinth

Refer ITS Standard Drawings 1902 and 1903 for further details on Traffic Monitoring Surveillance post typical details and upper wiring assembly



SECTION A

1x100 dia Orange (Electrical) Conduit to Mains Power supply as per site requirements and Standard Drawing 1149

150 thick N25/20 concrete slab reinforced with 1 layer of SL62 mesh placed centrally (Refer MRTS70)

Electrical pit

2x100 dia Orange (Electrical) Conduit

2x100 dia White (Comms) Conduit to WiM/ANPR equipment, as per site requirements and Standard Drawing 1149

4.1m traffic signals post footing Refer Standard Drawings 1421 and 1902

1x50 dia Orange (Electrical) Conduit – similar arrangement as shown on Standard drawing 1627

Earth electrode in Earth pit Refer Standard Drawing 1627.

Traffic monitoring cabinet Mortar infill

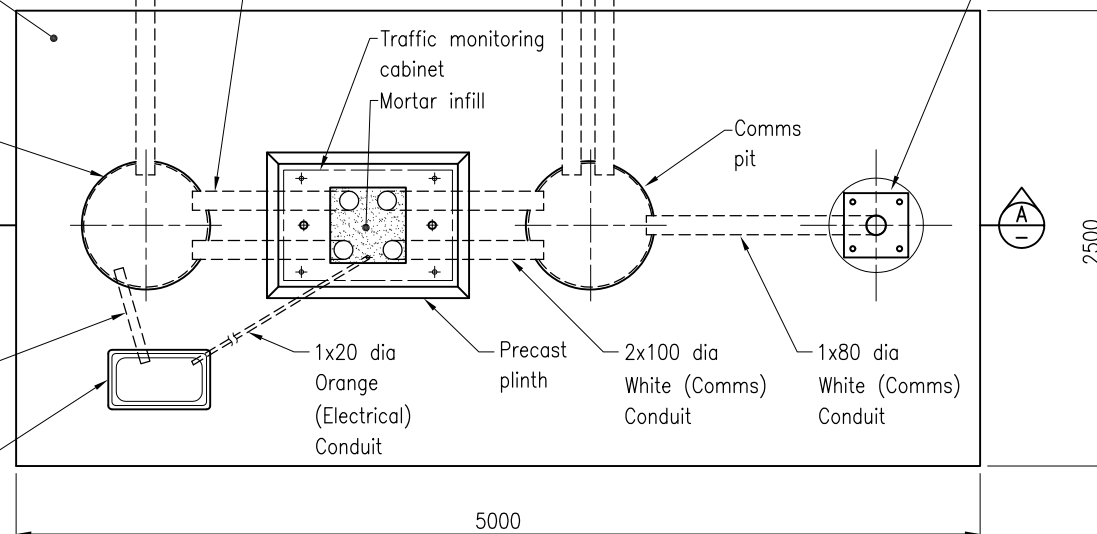
Comms pit

1x20 dia Orange (Electrical) Conduit

Precast plinth

2x100 dia White (Comms) Conduit

1x80 dia White (Comms) Conduit



PLAN VIEW

**NOTES:**

1. For determination of cabinet placement at WiM site, refer to TMR Road Planning and Design Manual – Edition 2: Volume 3, Supplement to Austroads Guide to Road design – Part 6: Road Design, Safety and Barriers for determination of clear zones for fixed road side safety objects.
2. Install draw wire in both electrical and communications conduits.
3. Pits may be located differently in relation to Traffic monitoring cabinet to suit Mains Power and Communications requirements.
4. Contractor to check clearances to all nearby services prior to installation.
5. Dimensions are in millimetres unless shown otherwise.

**ASSOCIATED DEPARTMENTAL DOCUMENTS:**

Standard Drawings Specifications

**REFERENCED DOCUMENTS:**

- Departmental Standard Drawings:
- 1149 Installation of Underground Electrical and Communications Conduit
  - 1314 Traffic Signals/Road Lighting – Cable Jointing Pit Drainage Details
  - 1415 Traffic Signals/Road Lighting – Cable Jointing Pit Type 60
  - 1421 Traffic Signals – Traffic Signals Post and Footing Installation Details
  - 1440 Traffic Signals/Road Lighting – Cable Jointing Pit Rectangular Concrete Surround
  - 1627 Road Lighting – Switchboard Top Mounted
  - 1679 ITS – Telecommunications Field Cabinet Base Installation Details
  - 1902 ITS – Traffic Monitoring Surveillance Post Typical Details
  - 1903 ITS – Traffic Monitoring Surveillance Post Wiring Details
  - 1905 ITS – Traffic Monitoring Cabinet Typical Details

**Departmental Standard Specifications:**

- MRTS70 Concrete
- MRTS91 Conduits and Pits
- MRTS203 Provision of Weigh-in-Motion System
- MRTS250 Provision of Automatic Number Plate Recognition System
- MRTS207 Traffic Monitoring Foundation Equipment

**Australian Standards:**

- AS/NZS 3000 Electrical Installations (Wiring Rules)

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

Department of Transport and Main Roads		 <small>© The State of Queensland (Department of Transport and Main Roads) 2019  <a href="https://creativecommons.org/licenses/by/4.0/">https://creativecommons.org/licenses/by/4.0/</a></small>	
ITS			
TRAFFIC MONITORING EQUIPMENT		A3	Standard Drawing No
CABINET BASE INSTALLATION DETAILS		Not to Scale	1901
			Date 7/19
A	B		