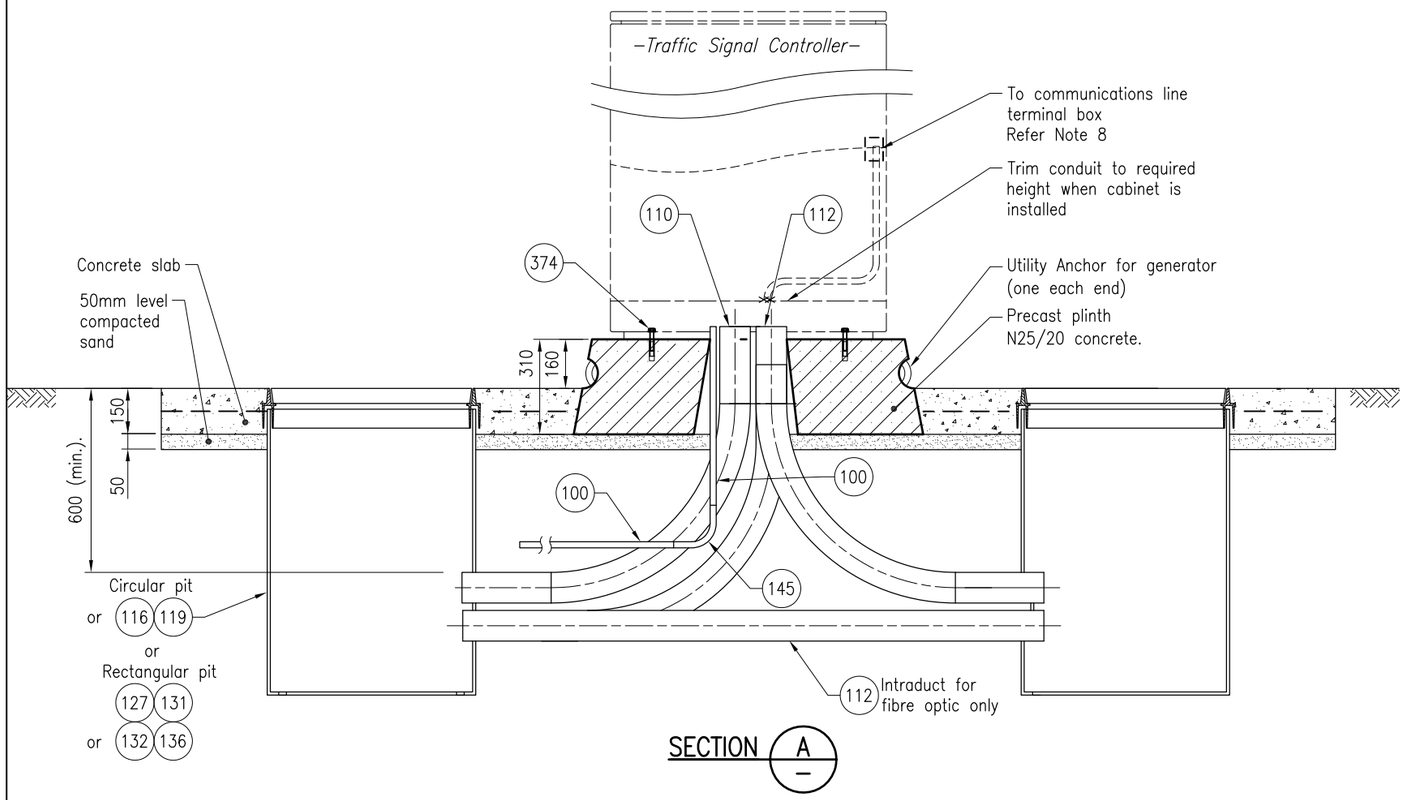
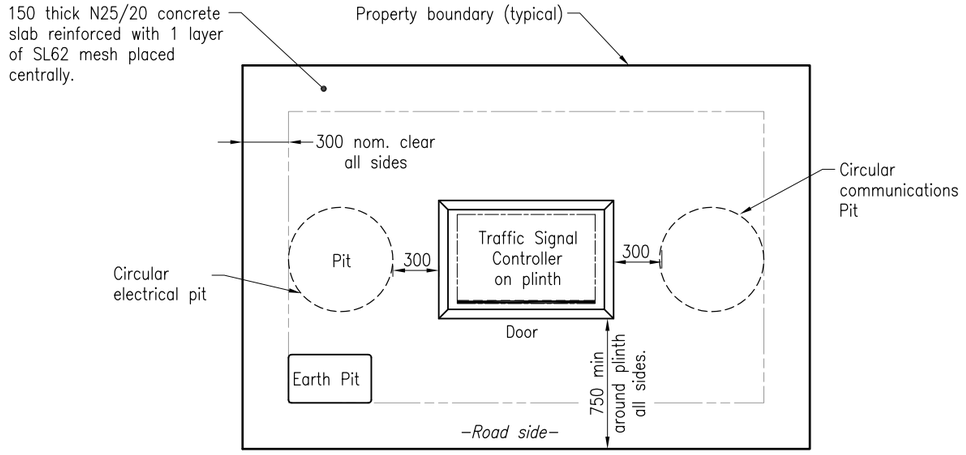



SECTION A –




DETAIL 2 – TYPICAL SLAB LAYOUT

## NOTES:

1. Controllers shall wherever possible be located adjacent to the property boundary with the door facing the roadway.
2. Attach a permanent label to the connection of the main earthing conductor to the earth electrode stating: "Warning: Main electrical earthing conductor DO NOT DISCONNECT".
3. Ensure there are no underground services in vicinity prior to installing earth electrode.
4. The earth electrode must be driven no less than 1300mm vertically into the ground, leaving a minimum 150mm exposed length of electrode in the base of the pit.
5. In difficult soils, dig out the appropriate P3 pit size, auger a 75mm hole vertically to 1300mm, install the earth electrode in the center of the hole, fill the auger hole with LSI RESLO compound or equal and install the pit over the earth electrode.
6. Only one earth electrode connected to one main earth conductor permitted in one earth pit.
7. Install draw rope in communications conduit.
8. Terminal box when in position should permit connection of 20mm rigid conduit through 130 dia. hole in base of Controller.
9. Pits may be located differently in relation to Controller to suit Mains Power and Communications requirements.
10. All exposed concrete edges to have a 15mm chamfer or fillet.
11. Dimensions are in millimetres unless shown otherwise.

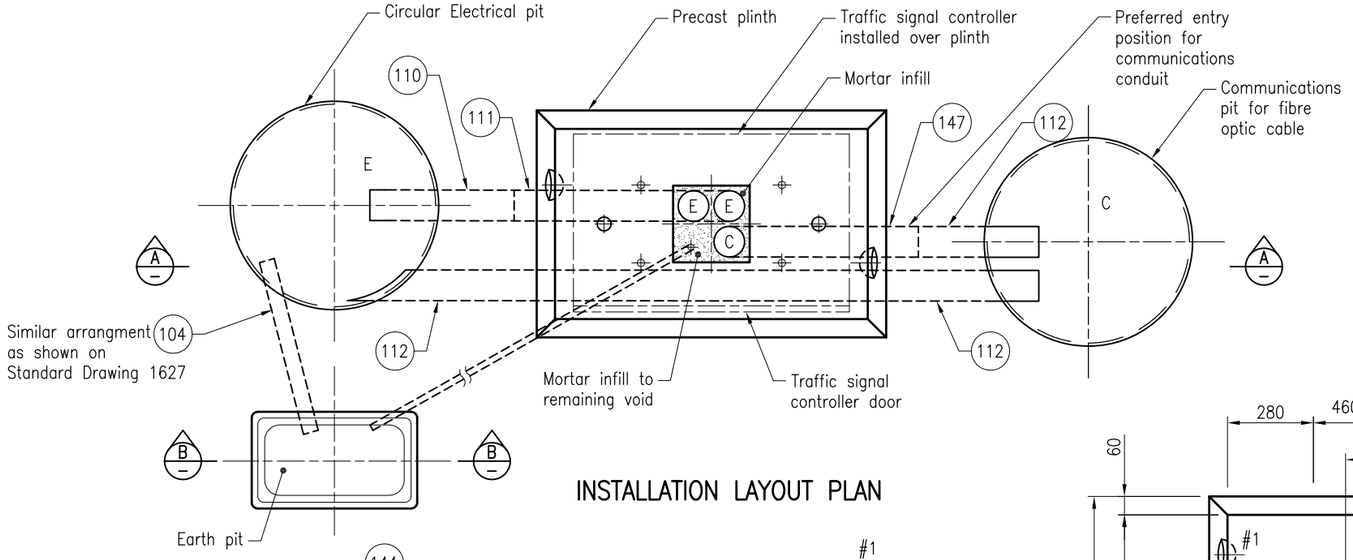
ASSOCIATED DEPARTMENTAL DOCUMENTS:
Standard Drawings
Specifications

REFERENCED DOCUMENTS:
Departmental Standard Drawings:
1699 Traffic Signals/Road Lighting/ITS – Parts List
1709 Traffic Signals/ITS – Uninterrupted Power Supply (UPS) – Base Installation Details
1710 Traffic Signals/ITS – Uninterrupted Power Supply (UPS) – Wiring Schematic

Departmental Specifications:
MRTS92 Traffic Signal and Road Lighting Footings

Australian Standards:
AS/NZS 3000 Electrical Installations (Wiring Rules)

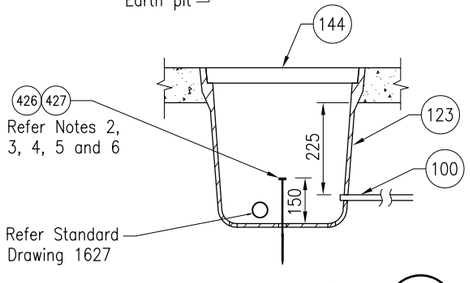
Departmental Specifications:
MRTS70 Concrete
MRTS72 Manufacture of Precast Concrete Elements



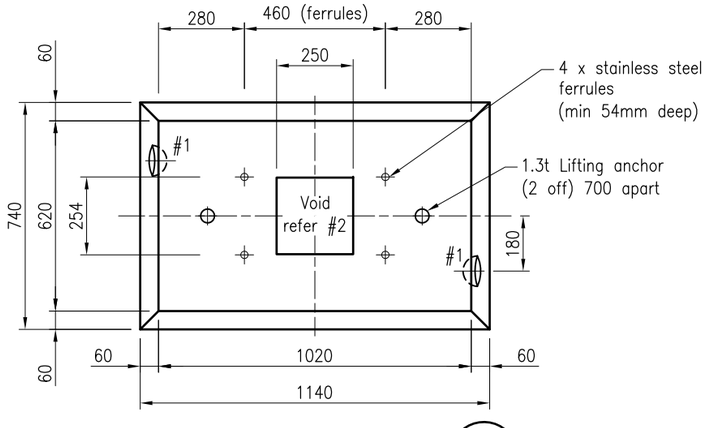

INSTALLATION LAYOUT PLAN

#1
17mm galvanised Utility Anchor for generator (one each end)

#2
Void in plinth for conduits 250 x 250 at top. Transition evenly to 340 x 340 at base.




SECTION B – EARTH PIT ELEVATION




DETAIL 1 – PRECAST CONCRETE PLINTH

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

Department of Transport and Main Roads

TRAFFIC SIGNALS

TRAFFIC SIGNAL CONTROLLER BASE INSTALLATION DETAILS

Queensland Government



A3 | Not to Scale

Standard Drawing No 1423

Date 11/18

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