SEQUENCE OF INSTALLATION:
1. Locate slip plane position relative to roadway after checking for services and determine crossfall.
2. Dig hole and excavate hole.
3. Determine finished surface level and suspend anchor bar cage in correct position relative to finished surface level.
4. Thread to be protected and conduit may be placed before pouring concrete.
5. Pour concrete footing to within 100 of top of anchor bar cage and allow to set.
6. Locate slip base mount. Ensure compressible filler washers are placed under the slip base mount.
7. Level slip base mount. Ensure concrete high strength fastening nut is put on each threaded hole. Cover a 100 mm void above embedded conduit by using a suitable length of 100 mm conduit preferable.
8. Form mortar pad under slip base mount using one of the following methods. Mix and apply mortar in accordance with manufacturer's specifications. Mortar pad edges should be:
   a. Pour Parker Concrete M50 mortar or equivalent in place.
   b. Pour Parker Concrete M50 cement or equivalent in place. Grout mix to be in Knead consistency.
9. Wait until mortar has achieved goal in accordance with manufacturer's specifications before installing nuts.
10. Tension the M24 high strength fastening nuts on the slip base mount to 2.5 Nm minimum.
11. Install the light pole.
12. Tension the M36 high tensile clamping bolts to 30 ± 10 Nm.

ANCHOR CAGE ORIENTATION

PLAN VIEW

NOTES:
1. For the geometry shown, the resultant distance from slip plane to the projected finished surface level or the down fall side of the slip base mount will be 75 mm.
2. Point X (top of anchor bar) must be level with the projected finished surface level (L25).
3. Clear away immediate area around the top of the slip base mount so that component parts are free of any debris. Loose material in slip base access to be removed on a regular basis to ensure work area doesn't become difficult.
4. Road/Verge surface of the street vehicle approach to the pole must be uniform and consistent for the type of crossfall installation.
5. Forwards to be provided for top 150 of pole tops in calypso soil.
6. A severe day minimum curing period must be allowed for concrete pole bases before fixing poles.
7. Poor soil consists of one of the following: Soft clay, loose sand, soft sand/dry and peat.
8. The installation has been designed to withstand wind conditions as defined in MRTS9.
9. Only one clamping bolt is shown for clarity. Positioning of the clamping bolts will depend on the slip base construction.
10. The diagram shows actual crossfall however only one crossfall may be present.
11. Ensure conduit is not blocked.
12. For anchor cages with heights between 2500 and 3000, refer Standard Drawings 1328 and 1680.
13. Drainage:
   a. Concrete base required to prevent breaches of soil around pole footing (minimum thickness 75).
   b. Minimum gap of 300 to be placed in retaining wall or lowest section of concrete base to provide a drainage channel.
14. Dimensions are in millimetres unless shown otherwise.

WARNING

In order for the slip base mechanism to operate correctly it is IMPORTANT that the anchor cage is installed to the dimensions marked * and the nuts are installed on the sequence noted above. Failure to install the anchor cage and nuts strictly in accordance with this plan will make the Concreted Bases for any resulting loss or damage to the Principal and third parties.

The purpose of this drawing is to provide typical standard details. The details for use of this drawing for a specific project shall be determined and verified by the Project Engineer. Additional project specific details may be referred to the scheme drawings.

ASSOCIATED DEPARTMENTAL DOCUMENTS:
Standard Drawings
Specifications

REFERENCE DOCUMENTS:
Departmental Standard Drawings
1140 Traffic Signals/Road Lighting/ES - Installation of Underground Electrical and Communications Cable
1328 Road Lighting/ES/Brake Poles - Anchor Cage Fabrication Details
1400 Road Lighting - Safety Brakes Pole Wrench Details
1429 Road Lighting - Slip Base Pole and Foundation Installation Details for Crossfalls Greater Than 1:5 up to and including 1:3 using Concrete Slip Base
1680 Traffic Signals/Road Lighting - Extension to Light Pole and Waist Arm Anchor Cages
1699 Traffic Signals/Road Lighting/ES - Parts List
Departmental Specifications
MRTS1 Concrete
MRTS2/4 Manufacturing of Precast Concrete Elements
MRTS4/9 Pulleys and Pits
MRTS5 Traffic Signals and Road Lighting Fixtures
MRTS6 Road Lighting
MRTS7/9 Vehicular Structures for Roadside Equipment
Australian Standards
AS 1375 Bolt, washer and nut sizes for fasteners

ROAD LIGHTING

SUP BASE POLE AND FOOTING INSTALLATION DETAILS FOR CROSSFALLS GREATER THAN 1:6 UP TO AND INCLUDING 1:3

installation for crossfalls greater than 1:6 and up to and including 1:3