**WARNING**

In order for the slip base mechanism to operate correctly it is IMPERATIVE that the anchor cage is installed to the dimensions marked * and the nuts are installed as per sequence notes and . Failing to install the anchor cage and nuts strictly in accordance with this plan will make the Contractor liable for any resulting loss or damage to the Principal and to third parties.

**SEQUENCE OF INSTALLATION:**

1. Locate pole position relative to the roadway after check for services and determine crossfall.
2. Dig/level and excavate hole.
3. Determine finished surface level and survey anchor bar cage in correct position relative to the finished surface level.
4. Threads to be protected and conduit placed before pouring concrete.
5. Pour concrete footing to within 150 of top of anchor bar cage and allow to set.
6. Locate slip base mount. Ensure compressible fibre washers are placed under the slip base mount.
7. Level slip base mount using 24 high strength screws for each threaded bar. Secure a 100 mm weld above electrical conductor by using a suitable length of 120 mm conduit preferable.
8. Form anchor pad under slip base mount using one of the following methods.
   a) Pack Packer Compacted HCS mortar or approved equivalent in place.
   b) Pack Packer Compacted HCS grout or approved equivalent in place. Grout mix to be in accordance with the manufacturer.
9. Wait until mortar has achieved final set in accordance with manufacturer's specifications before tensioning nuts.
10. Tension the screw to high strength rating as per the slip base mount to 135 N/mm minimum.
11. Install the light pole.
12. Tension the M24 high strength clamping bolts to 90 ± 10%N.

**NOTES:**

1. For the geometry shown, the resultant distance from the slip-plane to the projected finished surface level will be in the range 20 mm to 70 mm.
2. Point *A* (top of anchor bar) must always be level with the finished surface level (425).
3. Clear away immediate area around the slip base mount so that steel components are free of any debris. Carefully collect all slip base access to be removed on a regular basis so as not to cause street wear.
4. Road surface of the entire vehicle approach to the pole must be uniform and be consistent for the type of crossfall installation.
5. Framework to be held for top 150 mm of footings in collapsing soils.
6. A severe slip minimum clearing period must be allowed for concrete pole bases before fixing poles.
7. Allow pull plates for 125 mm of footings in collapsing soils.
8. This installation has been designed to withstand winds and conditions as defined in "WSTC/2496.
9. Only one clamping bolt is allowed for clarity. Positioning of the clamping bolts will depend on the slip base installation.
10. This diagram shows dual carriageway however only one carriageway may be present.
11. Compressible cone is not blocked.
12. Dimensions are in millimeters unless otherwise stated.

**ASSOCIATED DEPARTMENTAL DOCUMENTS:**

- Standard Drawings Specifications

**REFERENCED DOCUMENTS:**

- Departmental Standard Drawings: 1149 Traffic Signals/Road Lighting/BS - Installation of Underground Electrical and Communications Cables
  - 1328 Road Lighting - Anchor Cage Fabrication Details
  - 1480 Road Lighting - Slip Base Pole Fixing Details
  - 1680 Traffic Signals/Road Lighting - Extension to Light Pole and West Arm Anchor Cages
  - 1689 Traffic Signals/Road Lighting/BS - Parts List

- Departmental Specifications:
  - M4/520 Concrete
  - M4/521 Schedules and Fixing
  - M4/522 Traffic Signal and Road Lighting Fixing
  - M4/554 Road Lighting
  - M4/597 Mounting Structures for Roadside Equipment

**Australian Standards:**

- AS 1275: Metal screw threads for fasteners

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**FOOTING DETAILS**

<table>
<thead>
<tr>
<th>Pole Height (install on kiosk)</th>
<th>Minimum Depth of Footing (D)</th>
<th>Minimum Diameter of Conduit (B)</th>
<th>Slip Length</th>
</tr>
</thead>
<tbody>
<tr>
<td>1800m</td>
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<td>600</td>
<td>3000</td>
</tr>
<tr>
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<tr>
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</tbody>
</table>

**INSTALLATION OF CONDUIT AND FITS IS THE RESPONSIBILITY OF THE LICENSED ELECTRICAL CONTRACTOR.**

The purpose of this drawing is to provide typical standard details. The fitness for purpose of this drawing for a specific project shall be determined and certified by an EEC Engineer. Additional project specific details may be required to be included in the scheme drawings.