The purpose of this Standard Drawing is to provide typical standard details. The mast arm post details in this drawing are designed to AS 2879.1 (1998).

At this time, this drawing does not detail mast arm post to AS 2339 (2017). This drawing shall be updated after the details are reviewed for compliance to AS 2339 (2017).

**ITEM 9 – TYPICAL MARKING PLATE**

**ITEM 8 – LOCATING PIN**

**ITEM 7 – EARTHING PIN**

**ITEM 6 – LIFTING LUG**

**DETAILED ITEMS**

### SECTION A

**ITEM 1 – BASE PLATE**

### SECTION B

**ITEM 2 – MOUNTING PLATE AT REAR Face OF POST**

### SECTION C

**ITEM 7 – EARTHING FIXING LUG**

### SECTION D

**ITEM 4 – INFILL FOR ITEM 3**

### SECTION E

**ITEM 5 – MOUNTING PLATE**

### SECTION F

**PIN ALIGMENT IS IMPORTANT**

### SECTION G

**Pin 3 hole drilled through CNG**

### SECTION H

**10 pin hole drilled through Pin 3**

### NOTES:

1. **Scope:** The Standard Drawing provides typical assembly and fabrication details of the circular combination mast arm post without luminaires epide, Type U, in accordance with AS 2879.1.

   Refer Standard Drawing 1172 for circular mast arm fabrication details.

2. **LUGS**:

   - Type U condition shall conform to AS 2879.1.

3. **STEELWORK** shall be fabricated to the requirements of the 1172 and in accordance with AS 4000.

   Steel grades are as noted in Table 1.1.

   - CMS to AS/NZS 1163.
   - Steel plates to AS/NZS 3578.

4. **Welding** shall be in accordance with AS 1100.1.

   All welds shall be fillet or bevel cut, ground smooth around edges.

   All welds shall be completed prior to hot dip galvanising.

   All welds shall be hot dip galvanised to AS/NZS 4600 prior to galvanising, all welds to be inspected and welding slag to be removed.

   Welds shall be visually inspected and welding slag to be removed.

   Welds to be shielded and bevel cut, ground smooth around edges.

   Welds to be completed prior to hot dip galvanising.

   Welds shall be hot dip galvanised to AS/NZS 4600.

   Prior to galvanising all welds shall be inspected and welding slag to be removed.

   Welds shall be visually inspected and welding slag to be removed.

   Welds to be shielded and bevel cut, ground smooth around edges.

### REFERENCE DOCUMENTS:

- **Department Standard Drawings:**
  - 1172 Traffic Signals/Road Lighting – Circular Mast Arm Fabrication Details

- **Department Specifications:**
  - WR578 Fabrication of Structural Steelwork
  - WR579 Mounting Structures for Roadside Equipment