



# 8601 Sulphate resisting concrete to pole footing

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REVISION 09/02/2022

## 8601.1 Introduction

This supplementary requirement applies to the construction of road lighting pole footings, using sulphate-resisting concrete.

## 8601.2 Referenced Documents

This supplementary specification shall be read in conjunction with the following:

- MRS01 *“Introduction to Specifications”*;
- MRTS01 *“Introduction to Technical Specifications”*;
- MRS92 and MRTS92 *“Traffic Signal and Road Lighting Footings”*;
- MRS70 and MRTS70 *“Concrete”*;
- Australian Standard AS 3972 *“General Purpose and blended cements”*;
- Ergon Energy project design plans (where applicable); and
- the project Drawings.

## 8601.3 Description of Work Items

The following work items are covered by this supplementary specification:

Task Item No.	Description	Unit of Measurement
8601	Road lighting pole footing. Additional concrete requirements – SR (Sulphate Resisting) Concrete, exposure class C	each

## 8601.4 Work Operations

Work Operations incorporated in these items include:

- a) Work operations included in Clause 2.1.5 of MRS01 *“Introduction to Specifications”*;
- b) Excavation for footing;
- c) Disposal of excavated material;
- d) Provision of formwork, where necessary;
- e) Supply and installation of anchor cage or ragbolt assembly, as appropriate;
- f) Supply and installation of conduit to electrical pit or concrete barrier ends, as appropriate;
- g) Supply, placement and finishing of concrete; and
- h) Stripping formwork and cleaning up.



### **8601.5 Concrete**

The concrete, in addition to the requirements of MRS70 and MRTS70, shall have the following requirements:

- a) Utilise SR Cement, in accordance with AS3972;
- b) Concrete to have a minimum cementitious content of 450 kg/m<sup>3</sup>;
- c) Concrete to have a maximum water cement ratio of 0.4; and
- d) Concrete to have a characteristic strength grade of 50 MPa.

### **8601.6 Measurement and Payment**

No separate payment will be made for the works specified in this Supplementary Specification. Provision for these works shall be deemed to be included in the scheduled unit rates for the items shown at Clause 8601.3.