

Construction News - Engineering

Standard Streetlight Column Foundation Design

- > CEOM7206.04 Ragbolt Steel Column Foundation Details have been updated
- > CEOM7790.80 & CEOM7790.81 Standard and High-Strength Ragbolt Drawings have been updated
- > All documents are now available on Standards online website and internally through the Business Management System (BMS).

Background – what happened?

Updated standard streetlight foundation designs were introduced in August 2020. Internal and external stakeholder feedback was received in relation to these standards, highlighting several areas for improvement. Following a review of these comments, Essential Energy have made a number of amendments to the drawings.

The standard concrete foundation design remains for new (greenfield) streetlight column installations and any site where an existing screw anchor foundation has been assessed as unsuitable.

These recent updates do not affect the like for like replacement of defected screw anchors by Essential Energy, nor the exclusion of a Geotech report when replacement of an existing streetlight pole (direct buried or rag bolt foundation) occurs within the same or similar location.

What has changed?

The CEOM7206 suite of drawings has undergone a number of changes in this revision. Removal of duplicate information has reduced the total number of sheets from 5 to 4, whilst several grammatical and detail errors have been rectified across the suite. To assist construction, the non-shrink grout details have been updated and conduit installation depths have been referenced to the applicable Essential Energy standard.

Updated Essential Energy catalogue numbers for the footing ragbolts are included, and reinforcement cage lengths have been added onto sheet 2 in a new table. Top of concrete and finish surface levels have also been defined in more detail within sheet 1. For instances where a previous Geotech report has been completed (for example in a previous stage within a subdivision), a reasonable distance has been defined from which this report may be suitable to use.

The catalogue numbers for the ragbolts have been added to CEOM7790.80 & 81.

What happens now?

There are some remaining items put forward by stakeholders currently being investigated by the Underground Engineering team. The following are being considered for a future release of these standards:

- > Smaller diameter pier footing for use on 7.5m columns
- > Addition of reinforcement cage to the Approved Material List.

What do you need to do?

This information applies to Essential Energy employees, Level 1, Level 2, and Level 3 ASPs, and those undertaking new streetlight installations and civil works near the Essential Energy network.

Familiarise yourself with the updates to CEOM7206.04 and CEOM7790.80 & 81, all of which are available on the Standards Online on the Essential Energy website.

If you have any questions, please contact Andrew Close or Peter Couch on the details listed below.



More information is available on [Standards Online](#). If you have any questions, please contact: Andrew Close, on 0431 088 195 or Peter Couch, on 0439 829 449.