

QUALITY! ALERT!

19 June 2019
Maximo REF No. n/a



Non-compliant Concrete Over Grillage Encasements

ISSUE IDENTIFIED:

Several concrete over grillage encasements that are non-compliant with the design drawings have been uncovered as part of additional strengthening works. The non-compliant encasements have misshapen and eccentric (offset from the leg) mass blocks. Encasements have also been found with gaps between the plinths and mass blocks, and the concrete compromised by being contaminated with site material. The uncovered foundations are expected to have reduced structural capacity because of these issues.



CONTRIBUTING FACTORS:

It is suspected that combinations of weather, high water table, insufficient or incompatible formwork, poor workmanship, and inadequate oversight contributed to the identified issues.

ACTIONS TAKEN TO PREVENT REOCCURENCE:

This is a reminder to the industry to be vigilant in ensuring quality products are installed, key hold points are enforced, and QA records are completed and retained. An investigation is underway to determine the extent of the issues and identify whether a review of historic QA information and further exhumations may be required.

LEARNINGS FROM THIS:

- Follow design drawings, specifications and procedures, ensuring QA plans are in place and QA records are appropriately maintained.
- Raise issues as soon as known and create a Maximo EQUIPMENT \ WORKMANSHIP incident or near miss.



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