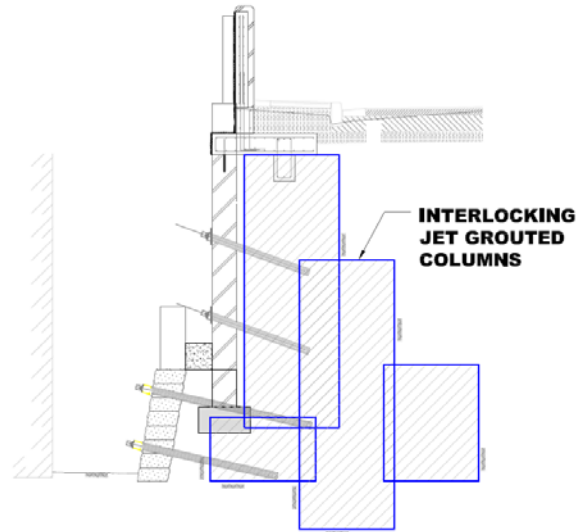


NEWCOMEN STREET RETAINING WALL

JET GROUT RETAINING WALL REMEDIATION



MENARD BACHY



Client: Department of Commerce
Consultant: Lindsay and Dynan

Contractor: Haslin Constructions Pty Ltd

THE PROJECT

In late 2010 Menard Bachy were engaged by Haslin Construction on behalf of the Department of Commerce to undertake the design and installation of a jet grout mass gravity retaining wall system adjacent to James Fletcher Hospital in Newcastle, NSW.

The existing convict built retaining wall along the boundary of Newcomen Street required in-situ remediation works to ensure the heritage listed structures was safe for future traffic movement along Newcomen Street as well as retaining the original facade

MENARD BACHY'S ROLE

Menard Bachy were awarded the project in August 2010 as a specialist contractor to carry

out the design and installation of the jet grouting works. The broad scope included the design and installation of 366 no. jet grout columns in a mass gravity arrangement behind the existing retaining wall. The columns comprised 1.8 and 2m diameter columns of lengths varying between 1.1m to 6.2m including some half columns to bypass existing services.

Columns were installed with up to four different parameters over the depth of the column to achieve the proposed design in the varying conditions.

A strict monitoring regime provided the safe implementation of the jet grouting scheme.

In March 2011 the project was successfully complete

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