

GREYSTANES EAST INDUSTRIAL PARK, SYDNEY



Client: Macquire Goodman; **Contractor:** John R. Burton Contractors ;
Specialist Subcontractor: Austress Freyssinet Pty Ltd



Project Summary

The Greystanes East Industrial Park site is a redeveloped gravel quarry site which is based along the M5 Motorway in Sydney's outer western suburbs. The old quarry site was subdivided into large industrial blocks which were zoned for large industrial warehouses.

The works for this project involved the drilling, assembly, installation, grouting and stressing of 191no SBMA permanent anchors along a retaining wall 160m long and 15m high.

The construction of the retaining wall allowed for the excavation into a hill to form a platform for the construction of a 15,000m² industrial warehouse. The anchors were installed through the retaining wall in three continuous stages as the excavation was benched downwards.

The project was carried out with the design and execution of the following:

The drilling and installation of 3no trial anchors along the full length of the retaining wall. These anchors were installed and stressed for analysis before work commenced on the remaining works.

The drilling and installation of SBMA permanent anchors was then completed in three continuous stages as the excavation was benched along the retaining wall.

The stressing of the SBMA anchors was carried out with the use of specially designed stressing jacks and stools as each anchor unit within the anchor must be stressed by a separate jack simultaneously.

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