

## PROPELLER PARK SEAWALL - BALMAIN



### SUMMARY

Propeller Park in East Balmain consists of over 200m of sandstone block seawall fronting Sydney Harbour. The sandstone wall is of local heritage significance and some elements of the wall date back to the mid 1800's with further sections constructed in the early 1900's. Many sandstone blocks were significantly worn from the constant wave action and some blocks were missing completely. The existing wall was also low and frequently overtopped during high tide.

### OBJECTIVES

The key objective of the remediation was to raise the existing seawall to prevent overtopping during high tides. In addition the works were required to restore and preserve the seawall to maintain its heritage elements.

The works required detailed durability constraints to be met to ensure the new sandstone blocks provided the required design life.

The seawall design was undertaken in consultation with a specialist sub-consultant to ensure the heritage items were preserved.



### OUTCOMES

James Rose Consulting undertook the detailed design of the remedial works to the seawall face including toe protection. The works also included an upgrade to the drainage system behind the seawall. James Rose Consulting prepared a detailed technical specification and scope of works document to allow competitive tendering of the remediation works. James Rose Consulting also undertook the Superintendents role during the construction works to ensure the works complied with the design specification.