

application

location

product

Segmental block retaining wall

Botany Bay, Australia

Miragrid® 5XT and 7XT

THE CHALLENGE

Significant erosion of the Monterey foreshore on Botany Bay over a number of years has necessitated a rehabilitation and beautification program to be carried out. Part of the rehabilitation program involved the construction of retaining walls along the beach frontage adjacent to the main road and car parks.

THE DESIGN

After considerable analysis of alternative wall systems, a soil reinforced segmental block retaining wall was specified as this was the most cost effective and aestheti-

cally pleasing option. Following an exhaustive tendering process, the Linkwall System was chosen by the client, Rockdale Council. The Linkwall System utilizes Miragrid® polyester geogrids as the soil reinforcement elements and Vertica® segmental blocks as the facing elements. To combat the extreme conditions of salt-water, a marine cement was specified by the consultant in the manufacture of the segmental blocks. In addition, a specific block color was specified to blend with the local environment. A straight split-face was chosen for aesthetic reasons.

CONSTRUCTION

Over 1,000 square meters (10760 square feet) of block walls, reinforced with Miragrid®, were constructed on site. The walls consist of a variety of heights, with combinations of single and multi-tiered structures.

JOB OWNER

**Rockdale Council, Sydney,
Australia**

ENGINEER

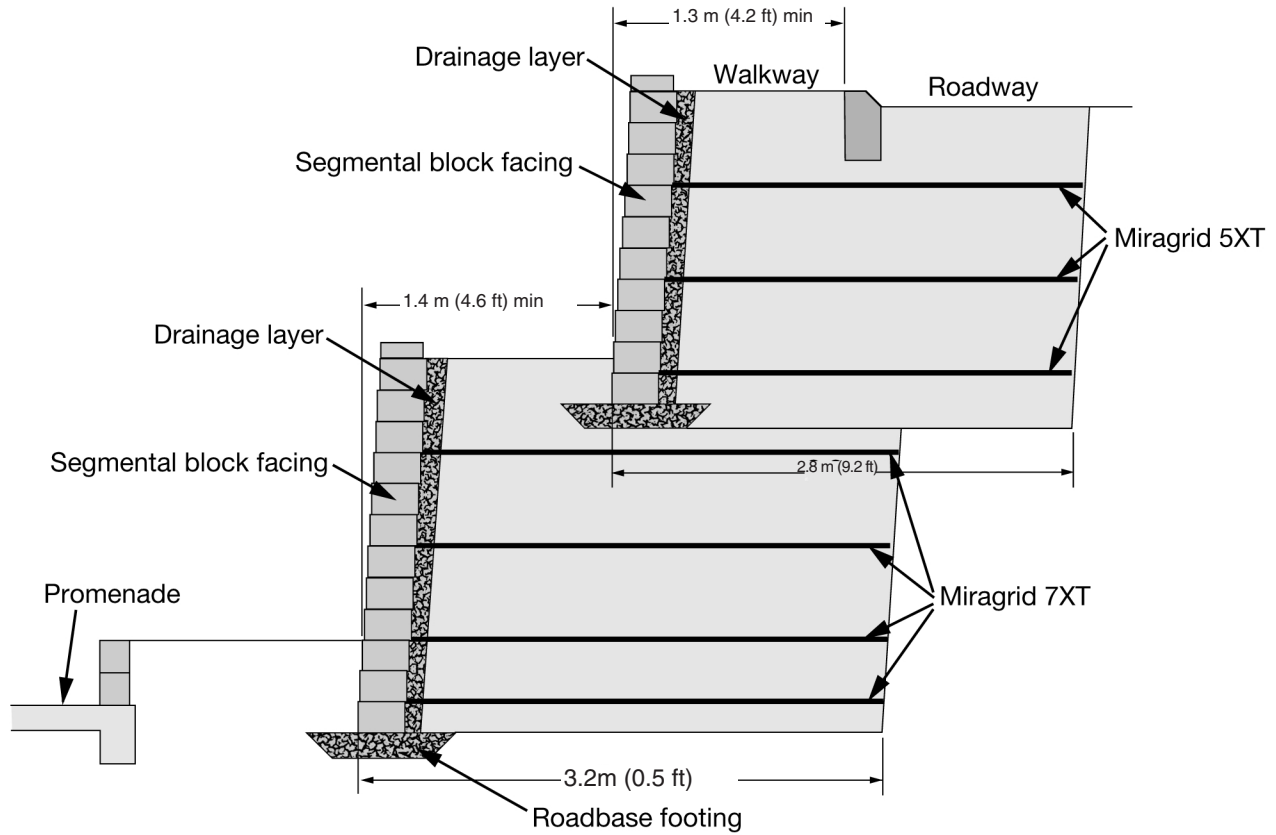
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CONTRACTOR

Pioneer Contracting Pty Ltd



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