
Ovoid Sewer Aqueduct



B5779 Ovoid Sewer
Aqueduct

Location

across Barwon River Breakwater,, GEELONG VIC 3220 - Property No B5779

Municipality

GREATER GEELONG CITY

Level of significance

State

Victorian Heritage Register (VHR) Number

H0895

Heritage Listing

National Trust

Statement of Significance

Last updated on - July 22, 2005

The structure is nationally significant as an early and inventive use of reinforced concrete in the Considere system. Internationally eminent civil engineer Professor Roger Lacroix has reported that there are very few similar bridges of this age left in the world, and "none of the scope and imagination displayed in the design and construction of the Geelong aqueduct".

The aqueduct was designed by Edward Giles Stone and Ernest J Siddeley, whose firm undertook a number of marine projects in southern and eastern Australia, including reinforced concrete ships and pontoons. EG Stone had previously designed the concrete bowstring of roof trusses of Geelong's Dennys Lascelles wool store (now

demolished). His work was probably the most advanced expression in the world of the Considere system of reinforced concrete.

The aqueduct was modelled on Scotland's famous Firth of Forth railway bridge and constructed between 1913 - 1915. It represents an internationally unusual example of this form in concrete.

Both the overall length and the maximum span length were far in excess of any other Australian reinforced concrete structure; the first structure to exceed its maximum span being the 1932 William Jolly bridge in Brisbane. The members of the aqueduct are unusually light, and of elegant proportions.

The great length and horizontal aspect across expansive flood plains - which are a significant natural habitat - constitute the aqueduct as a rare and major landscape feature.

Classified: 22/06/1987

Hermes Number 68145

Property Number

This place/object may be included in the Victorian Heritage Register pursuant to the Heritage Act 2017. Check the Victorian Heritage Database, selecting 'Heritage Victoria' as the place source.

For further details about Heritage Overlay places, contact the relevant local council or go to Planning Schemes Online <http://planningschemes.dpcd.vic.gov.au/>