

# Annandale Sewer Aqueducts

location Over Johnston's and White's Creeks,  
Annandale, Sydney, New South Wales.  
owner Water Board

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the plaques  
type **Historic Engineering Markers**  
location On piers adjacent to each of the creeks.

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plaque text

## Annandale Sewer Aqueducts

These 1896 aqueducts were the first structures in Australia to incorporate reinforced concrete using the Monier patent. They were designed by W J Baltzer to carry the northern sewer across Johnston's and White's Creeks. This new form of construction was investigated by a Royal Commission and the contractor—Carter, Gummow and Co—was required to guarantee the structures for three years. The success of the work pioneered the use of reinforced concrete in Australia.

Dedicated by The Institution of Engineers, Australia and the Water Board, 1993.



### *W J Baltzer*

*Baltzer was employed by the Department of Public Works, NSW. He had received his engineering education in Germany and on a visit there in about 1890, made a study of the application of the Monier System to large works.*

*In 1895 the agency for the Monier System was held by the contracting firm of Carter, Gummow and Co. That firm engaged Baltzer as a consultant (in a private capacity) to prepare a Monier design for the Annandale Sewer Aqueducts, as an alternative to the PWD's brick arch design. The alternative design was accepted and Carter Gummow were awarded the contract.*

