

J.P. MARAIS REGIONAL SEWAGE PURIFICATION WORKS

CITY OF BENONI, SOUTH AFRICA

CLIENT: City of Benoni

Aplin & Martin's Robert Wridgway was the Project Coordinator for the design and construction of the J.P. Marais Regional Sewage Purification works completed in 1990. The plant had a design capacity of 20,000 m³/day and utilizes an Extended Bardenpho treatment process. The site was located in a low lying swamp area that had to be reclaimed by diverting major storm flow around the site. Consideration had to be given to complicated foundation conditions including clays with a heave potential in excess of 100 mm. A major gas main had to be diverted and an existing sanitary sewage pump station on the site kept operational during construction. The project was completed on budget and ahead of schedule.



J.P. Marais Regional Sewerage Purification Work