



case study

Location:

Benoni, Gauteng

Customer:

Eastland's Mature Living

Industry:

Housing

Final water usage:

Irrigation and water features

Plant information:

120 KLPD wastewater treatment plant

Problem

Eastland's Mature Living Estate faced significant wastewater management challenges. The estate was unable to connect to municipal services due to the lack of available infrastructure and installing these services was prohibitively expensive. Additionally, a previously installed wastewater treatment plant from a competitor failed to meet the discharge standards set by the Department of Water Affairs, further complicating the estate's wastewater management needs.

**Solution**

To address these challenges, Eastland's Mature Living Estate engaged SewTreat to design and install a 120KLPD wastewater treatment plant. SewTreat implemented the following solutions:

- Incorporated existing equipment into the new design to optimize cost-effectiveness.
- Installed an underground fiberglass wastewater treatment plant to ensure aesthetic harmony with the estate, as it was located near residential homes.
- Retrofitted the system by increasing anaerobic sections and adding additional bioreactors and clarifiers to effectively manage high levels of fats, oils, and grease contamination.

Benefits to the customer

- ✓ Regulatory Compliance
- ✓ Aesthetic Integration
- ✓ Water Reuse & Sustainability
- ✓ Cost saving and Rapid ROI

We saved Eastland's R2.07 million a year!