

## Robina Landfill Remediation, Trackstar Alliance Varsity Lakes, Gold Coast QLD



*Excavation and disposal of 1,000,000t of impacted material*

### Client: Thiess Services Pty Ltd

E3 Consult completed a comprehensive investigation sampling program including soil, groundwater and soil gas analysis as part of the Robina to Varsity Lakes Rail Line Extension, Gold Coast, QLD. An exhaustive analytical and sampling programme was completed to determine the nature and extent of impacted material. E3 developed a management and remediation strategy for the site including cost estimates and program for the removal of 1,000,000t of landfill waste and contaminated soils.

*Ongoing environmental supervision and contamination management*

E3 was also engaged to undertake ongoing remediation supervision and site validation throughout the remediation program and were responsible for daily environmental monitoring, groundwater assessment, backfill assessment, acid sulphate soil management and leachate extraction, treatment and disposal. The initial remediation goals were exceeded and allowed future management obligations to be removed from the site adding significant value to the \$60 million remediation project. The involvement of E3 in this project demonstrates our skills in the following areas:

- Experience in industrial site remediation;
- Management of landfill gas, waste and leachate and disposal;
- Response to project needs and value adding; and
- On-site application of comprehensive technical skills.