

Acid Sulphate Soil Management and Treatment, Trackstar Alliance Varsity Lakes



Client: Thiess Services Pty Ltd

E3 Consult was responsible for the supervision and remediation monitoring of the Robina Landfill as part of the Robina to Varsity Lakes Railway Extension Project. E3 undertook the sampling and remediation of various soils onsite which included the management and treatment of Acid Sulphate Soils (ASS).

E3 developed a comprehensive management plan in identifying soils that were actually and potentially Acid Sulphate Soils, both with the potential for environmental harm. Soils found above the ASS action criteria were removed to a prepared treatment area on-site. E3 supervised the relocation of soil which was spread in layers and treated with fine agricultural lime using specialised plant equipment. To demonstrate that the appropriate quantities of lime were applied, a lime register was created and additional soil samples were analysed. The involvement of E3 staff in this project demonstrates our skills in the following areas:

Ability to discover potential threats outside a projects scope

- Ability to discover potential threats outside a projects scope that may not have otherwise been known ;
- Quick decisive action to produce an effective outcome;
- Conduct training sessions for everyone involved with the excavation, transport and handling of the soils; and
- Setting the benchmark in dealing with future possible ASS situations on-site.