

Narrabeen Creek Sewer Carrier, Narrabeen, Sydney



Client: McCormicks Civil and Tunnelling / EnviroPacific Services

E3 Consult was engaged by McCormicks Civil and Tunnelling to develop and implement Environmental Management Plans for the Narrabeen Sewer Carrier Project. The project comprised the installation of over 1.1 km of sewer pipe using micro tunnelling techniques through sensitive environments. The sewer construction required the excavation of 15 manholes along the alignment that generated significant volumes of spoil and drilling slurry that presented a risk of acid leaching due to the acid sulphate soils.

E3 implemented an Acid Sulphate Soils Management Plan to manage the potential environmental risks associated with the excavation and handling of spoil adjacent a variety of sensitive environments. Soils were treated by EnviroPacific Services (EPS) to neutralise the potential for acid generation and allow offsite disposal. On-site treatment was also undertaken on encountered groundwater. E3 also managed other environmental risks during site works, including developing and implementing a sediment and erosion control plan, noxious weed management and waste classification for off-site disposal of soils.

The involvement of E3 staff in this project demonstrates our skills in the following areas:

- Coordination and oversight of remediation contractors, EPS;
- Acid sulphate soil management;
- Environmental management of civil works; and
- On-site application of practical environmental management practices.