

## **Appendix C: Facility Illustrations**

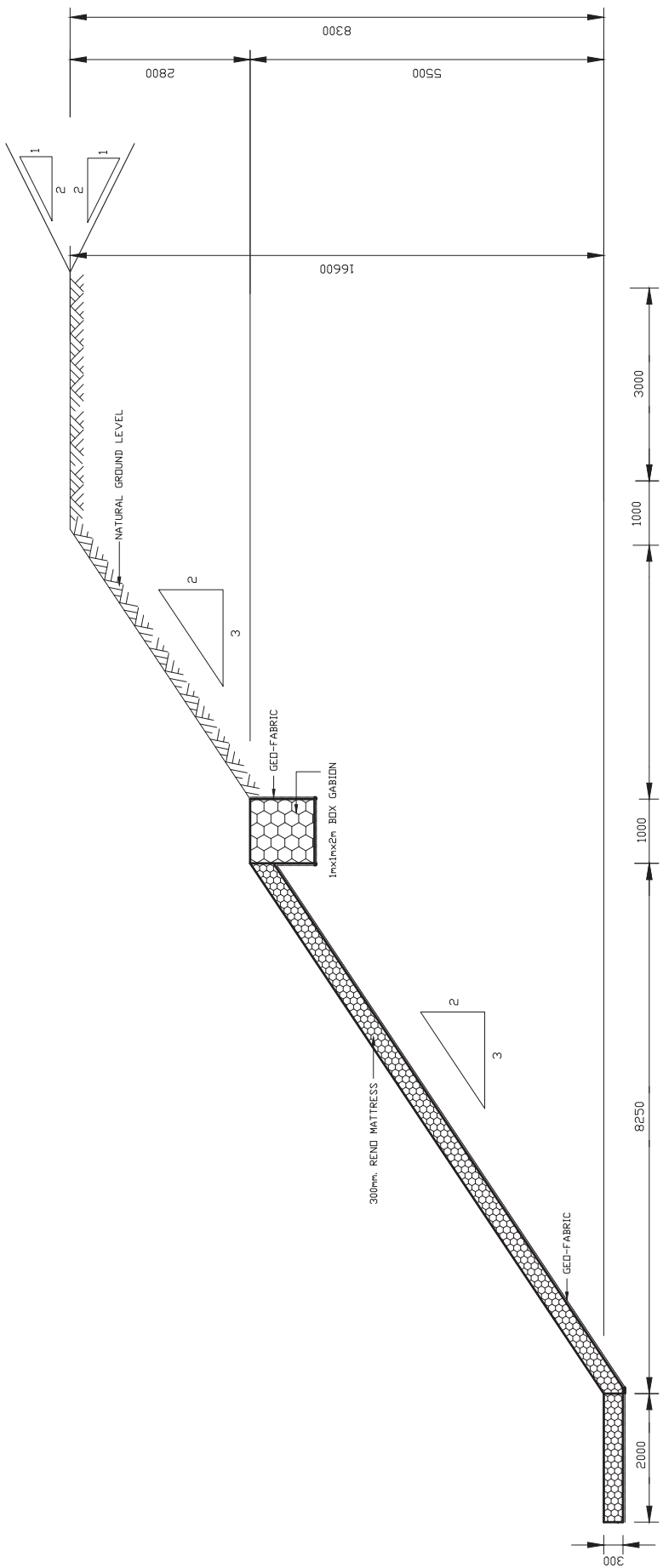
The affected site spans approximately 6 ha and is almost entirely surrounded by the Umgeni Business Park, apart from the area east of Connaught Bridge, which borders Umgeni Park (Riverside) residential area.

eThekwini proposes to widen the Umgeni River through the provision of protection Widening for its northern embankment. A vegetated gabion type embankment structure is proposed. The riverbed will not be lined or excavated, apart from excavations required for construction of the embankment itself.

As the proposed widening will take place below existing road and rail river crossings, project design and planning will take these transportation infrastructures into consideration. The original bridge design for these crossings incorporated adequate flood protection. The project will thus have no direct impact on the rail and road infrastructure.

Provisions have been made in the design of the modified embankment to house affected sewer and water mains and to provide for stormwater outlets into the river.

The design of the embankment makes provision for a foot trail above the floodline (See Following Figure)



TYPICAL CROSS SECTION OF PROTECTION WORKS  
SCALE 1:50