

Assignment Name: Hercules Bulk Water Main Replacement		ID#: 3
Country: South Africa Location within Country: Gauteng	Approx. value of the contract: US\$2 million.	
Name of Client: City of Tshwane Metropolitan Municipality	your firm under the contract: US\$200,000.	
Address:	Total No. of staff-months of the assignment:	
Start date (month/year): 15-07-2004	Duration of assignment (months): 18	
<u>Narrative description of Project:</u> Design and site supervision of the replacement of a 3.2 km long, 375 mm and 300 mm diameter pipeline with 500 mm diameter pipes, including a road-over-rail crossing and cathodic protection.		
<u>Description of actual services provided by professional engineering staff within assignment:</u> Detailed survey and verification of existing as-built services along the possible pipeline routes, with final route selection included in preliminary design. Preliminary and Tender design of the pipeline replacement project, inclusive of all modifications to existing services to accommodate the new pipeline, and design of the cantilever pipe cradle structure attached to the road-over-rail bridge. Co-ordination with City services and QA oversight of the relevant cathodic protection system for the pipeline.		
<u>Description of Activities provided by RWI</u> Final route selection, preliminary and tender design, preparation and oversight of procurement package. Manage the engagement and output of the cathodic protection engineer; include the recommendations and requirements of cathodic protection into the design. Project management support to the Construction Manager and finalisation of monthly certificates and payment schedules.		

