

Assignment Name: Lebalelo Bulk Water Supply Master Plan		ID#: 29
Country: South Africa Location within Country: Polokwane	Approx. value of the contract:	
Name of Client: Department of Water Affairs	Approx. value of the professional services provided under the contract: US\$ 300,000	
Address:	Total No. of staff-assigned to Project: 6	
Start date (month/year): August 2001	Total No. of staff-months of the assignment: 18	
Completion date (month/year): January 2004	Duration of assignment (months): 29	
<u>Narrative description of Project:</u> Feasibility study and preliminary design of rural water supply systems for the Lebalelo region.		
<u>Description of actual services provided by professional engineering staff within assignment:</u> The engineering design included identification and selection of raw water supplies, water treatment locations and possible treatment options as required, pumps and pump stations, high-pressure transmission mains to primary storage reservoirs, location and size optimization of a number of distributed storage reservoirs and the design of the connecting pipeline infrastructure, and the design of a preliminary operating system and methodology for a proposed water utility. The economics including a capital investment cost, operation and maintenance life-cycle costing, financing strategy and probable water utility rate estimates for the life of the project, based on projected water demand and population growth projections. This was prepared against the backdrop of a Government directive that all people were to receive the first 25 litres per day at no cost, and the financial model had to take this into account.		
<u>Description of Activities provided by RWI</u> Project manager, civil design lead and financial and economics lead for the feasibility level design and economic sustainability study for a regional water supply for approximately 100,000 people in a widely dispersed rural settlement area.		

