

|   |   |               |
|---|---|---------------|
| <b>Assignment Name:</b><br>Kopanong 9 Ml Reservoir  |   | <b>ID#: 4</b> |
| <b>Country:</b><br>South Africa<br><b>Location within Country:</b><br>Gauteng   | <b>Approx. value of the contract:</b><br>US\$1 million. |               |
| <b>Name of Client:</b><br>Rand Water  | <b>your firm under the contract:</b><br>US\$200,000.    |               |
| <b>Address:</b>   | <b>Total No. of staff assigned to the project:</b><br>4 |               |
| <b>Start date (month/year):</b><br>15-06-2004   | <b>Total No. of staff months:</b><br>10                 |               |
| <b>End date (month/year):</b><br>15-12-2005   | <b>Duration of assignment (months):</b><br>18           |               |
| <b><u>Narrative description of Project:</u></b><br>Design and construction supervision of a 9Ml post-tensioned concrete reservoir with dome roof.   |   |               |
| <b><u>Description of actual services provided by professional engineering staff within assignment:</u></b><br>Project scope included reservoir location, orientation and connectivity with the inlet and outlet pipe connections. The final design selected was the result of a preliminary optimization process that investigated various options, including reservoirs of differing shapes and elevation (buried and exposed).<br><br>The Tender Package included a Design Report, Tender drawings and Contract documents. The procurement phase included a technical review of a design alternative submitted by the preferred contractor, with agreed amendments to the design included in a modified document and drawing package. |   |               |
| <b><u>Description of Activities provided by RWI</u></b><br>Project manager for the overall project.<br>Managed the interface between geotechnical, structural and pipeline components.<br>Design of the inlet and outlet pipe configurations, including the control valves and level control system.<br>Co-ordinated the preparation and finalization of the procurement package.   |   |               |

