Appendix G

## Cost Estimate Summary Table

(as included in Conceptual Design Options Report)

## Hospital Prince of Wales Reservoir Cost Estimate Summary Table Option R1.0

Item	Description	Lower Bound		Estimated Cost		Upper Bound	
1.0	Services diversions and demolition	\$	190,000	\$	190,000	\$	190,000
2.0	Inlet and outlet pipework (in trench)	\$	380,000	\$	380,000	\$	380,000
3.0	Topsoil removal (upper park) and disposal	\$	12,000	\$	12,000	\$	12,000
4.0	Bulk excavation to stockpile and off site disposal	\$	970,000	\$	970,000	\$	970,000
5.0	Subsoil drainage	\$	225,000	\$	225,000	\$	225,000
6.0	Pipe tunnel structure	\$	615,000	\$	615,000	\$	615,000
7.0	Reservoir structure	\$	7,000,000	\$	7,000,000	\$	7,000,000
8.0	Pipework and valves	\$	1,050,000	\$	1,050,000	\$	1,050,000
9.0	Electrical and Control System (Capacity Estimate)	\$	340,000	\$	340,000	\$	340,000
10.0	Backfill and Access Driveway	\$	300,000	\$	300,000	\$	300,000
11.0	Topsoiling and Landscaping	\$	285,000	\$	285,000	\$	285,000
12.0	Overflow/Stormwater Drainage	\$	230,000	\$	230,000	\$	230,000
13.0	Upper Sports Ground Resurfacing	\$	130,000	\$	130,000	\$	130,000
14.0	Rolleston Street Pavement Repairs	\$	150,000	\$	150,000	\$	150,000
	Estimating Contingency (approx.9.5, 12 & 17%)	\$	1,130,000	\$	1,450,000	\$	2,030,000
	Subtotal	\$	13,007,000	\$	13,327,000	\$	13,907,000
	Add Preliminary and General (12%)	\$	1,560,840	\$	1,599,240	\$	1,668,840
	Subtotal	\$	14,567,840	\$	14,926,240	\$	15,575,840
	Add Off-site Overheads and Profit (8%)	\$	1,165,427	\$	1,194,099	\$	1,246,067
Total Base Estimate		\$	15,733,268	\$	16,120,339	\$	16,821,907
15.0	Consenting (preparation of AEE; Consultation and preparation of consent applications)	\$	172,000	\$	172,000	\$	172,000
16.0	Engineering (Concept, Preliminary and Detail Design and Construction Management & Observation)	\$	700,000	\$	700,000	\$	700,000
	Total Expected Estimate	\$	16,605,268	\$	16,992,339	\$	17,693,907
	Contract Contingency (approx. 2.5%, 5.5% & 11.5%)	\$	394,733	\$	907,661	\$	2,006,093
	Total	\$	17,000,000	\$	17,900,000	\$	19,700,000
	Comparison		-5%		0%		+10%

**Note 1:** Main Contractor Preliminary & General (P&G) costs covers the cost of on-site overheads such as site supervision / management, site offices, stores, hoardings, amenities, plant cranes, temporary works, etc.

Note 2: Main Contractor Off-site overheads and Profit (OH&P) Margins covers the cost of contributions to the Main Contractor's Profit and off-site overhead costs.

- **Note 3:** The Estimating Contingency sum is integral to the estimate total and is a general allowance for residual cost risk including design development, omissions, sundry measured items and assumptions made for construction details not shown. This is not a project contingency which is expected to be held in addition to this estimating contingency. Typically the estimating Contingency decreases throughout the design development process.
- **Note 4:** The Recommended Contract Contingency is a sum proposed to be held by the Client available to cover post contract variation works to the contract, such as unforeseen ground conditions and construction risk.
- **Note 5:** The lower and upper bound estimates represent probable variances in assumed adjustments to the estimated value of the current design, they do NOT represent a guaranteed or maximum / minimum price.
- **Note 6:** The estimate is based upon rates and prices current as at October 2012 and no allowance has been included for increases (escalation) in labour, materials or plant beyond this date.
- Note 7: All values within this report and included in the attached Estimate Details are GST exclusive.
- **Note 8:** Current market assumed rates and sums based on a traditional procurement route, ie. fully designed and competitively tendering for lump sum tenders from at least three suitable selected tenderers.
- Note 9: Items 15.0 and 16.0 records the values included in the accepted consultant's commission.
- **Note 10:** The percentage adjustments noted as "approx." have been adjusted to give rounded number totals to reflect the high level nature of the estimating at this time



Appendix H

## Drawings

Drawings are contained in separate Volume 2





NOTE: ZONES - REFER TO FLOOR AREAS FOR SUBSOIL DRAINAGE.

















Drawing Plotted: 22 Apr 2013 8:14 a.m.







Drawing Plotted: 22 Apr 2013 8:39 a.m