

ARMSTRONG CREEK EAST PRECINCT C301

Job No: 30041879E.00

Date: 10 July 2015

**LINK CHANNEL CONSTRUCTION
OPTION 2 - LINED CHANNEL**

Bill of Quantities

Item	Description	Quantity	Unit	Rate	Amount	Subtotal
A	Project and Program Management					\$75,297.75
	Project Management		3.00%	3.00%	\$27,381.00	
	Project scoping, planning, scheduling, monitoring, reporting & commissioning					
	Management of preconstruction activities, development of tender documents & management of contracts.					
	Managing external interfaces, including community liaison, environmental issues, traffic issues, etc.					
	Program Management		2.00%	2.00%	\$18,254.00	
	Council Plan Checking & Supervision Fees		3.25%	3.25%	\$29,662.75	
B	Design and Investigation					\$120,516.00
	Flora & Fauna Assessments	1	Item	\$ 7,500.00	\$ 7,500.00	
	Cultural Heritage CHMP	1	Item	\$ 20,000.00	\$ 20,000.00	
	Cadastral & Engineering Survey	1	Item	\$ 10,000.00	\$ 10,000.00	
	Geotechnical investigations	1	Item	\$ 10,000.00	\$ 10,000.00	
	Engineering Design & Documentation		5.00%	5.00%	\$45,635.00	
	Construction Management		3.00%	3.00%	\$27,381.00	
C	Land Acquisition					\$0.00
	Land Valuation		Item		\$0.00	
D	Works					\$912,700.00
1	PRELIMINARIES					\$55,000.00
1.1	Site Establishment		Item	\$ 10,000.00	\$ 10,000.00	
1.2	Site Management & Supervision including QA/OHS, SMP, etc.	10	Weeks	\$ 2,500.00	\$ 25,000.00	
1.3	Traffic Control		Item	\$ 5,000.00	\$ 5,000.00	
1.5	Environmental Management & EMP Works		Item	\$ 15,000.00	\$ 15,000.00	
2	DEMOLITION					\$10,000.00
2.1	Site preparation including removal, to a legal waste disposal site arranged by the contractor, of all surface rock, dead trees, timber, fences, wire, rubbish & any other specified materials.		Item	\$ 5,000.00	\$ 5,000.00	
2.2	Approved vegetation removal		Item	\$ 5,000.00	\$ 5,000.00	
3	BULK EARTHWORKS					\$298,700.00
3.1	Strip & Stockpile Topsoil	18,000	m ²	\$ 1.50	\$ 27,000.00	
3.2	Excavation, shaping and trimming of Link Channel	1,100	m	\$ 25.00	\$ 27,500.00	
3.3	Place, compact (95% standard compaction) & shape approved fill material in bank on south side of channel	9,900	m ³	\$ 8.00	\$ 79,200.00	
3.4	Approved imported fill material	8,000	m ³	\$ 15.00	\$ 120,000.00	
3.5	Load from stockpiles and spread topsoil	18,000	m ²	\$ 2.50	\$ 45,000.00	
4	DRAINAGE					\$425,000.00
4.1	Drainage Pipes including trenching, bedding, laying & jointing, backfill, CCTV inspection, etc. 1200mm RRJ Class 2 RCP HDPE (SmartDitch™ or approved similar product) Trapezoidal Trough Sections including supply of all materials, trenching, bedding and side support, connectors, anchoring, etc. in accordance with manufacturers installation specifications and instructions.	20	m	\$ 850.00	\$ 17,000.00	
4.2	1600x690mm HDPE Drainage Structures	1,100	m	\$ 260.00	\$ 286,000.00	
4.3	Structure - Weir control channel inlet	1	No.	\$ 40,000.00	\$ 40,000.00	
4.4	Pit - Channel to piped drain entry	1	No.	\$ 7,500.00	\$ 7,500.00	
4.5	Endwall - piped drain outlet including rock beaching	1	No.	\$ 8,500.00	\$ 8,500.00	
4.6	300mm depth CL3 FCR Maintenance Track 3.0m wide	3,300	m ²	\$ 20.00	\$ 66,000.00	
5	LANDSCAPING WORKS					\$ 124,000.00
5.1	HydroMulch topsoiled areas	18,000	m ²	\$ 2.50	\$ 45,000.00	
5.2	Post & wire rural fencing	2,300	lin.m	\$ 30.00	\$ 69,000.00	
5.3	Final Clean Up	1	Item	\$ 10,000.00	\$ 10,000.00	
	TOTAL A-D					\$1,108,513.75
E	CONTINGENCY					\$182,540.00
	Contingency (20% of D)			20%	\$182,540.00	
	PROJECT BUDGET					\$1,291,053.75
	Total Estimate					\$1,291,053.75