

APPENDIX 9

Quantity Surveyor Report

KUE-S-SERVICES PTY LTD

Quantity Surveying & Building Estimating Services

Australian Business Number (ABN) 17 128 676 906



27th January 2016

Mr. Ray Duggan
Duggan & Hede Pty Ltd
1 Lewis Street,
Clayfield, Queensland 4011

Dear Sir

Re: LIQUID WASTE FACILITY AND DEPOT.
At 14 RAYBEN STREET, GLENDENNING FOR JJ RICHARDS

We enclose for your attention our opinion of Likely Costs for the capital investment value (CIV) of the proposal (as defined in clause 3 of the Environmental Planning and Assessment Regulation 2000).

We have provided the report in BOQ format and have prepared the estimate based upon the drawings and outline specification provided. We have allowed plant and equipment reuse costs at written down values in accordance with ATO ruling TR2014/4. We have prepared our estimate of costs based on current market rates and conditions.

It is our opinion that this project may be Developed for a cost of \$6,934,126 including Consultants fees and charges but excluding :-

- a) Any Contingency allowance
- b) G.S.T.

Disclaimer

The provision of this estimate is provided in good faith. We do not accept any contractual, tortious or any other form of liability for any consequences, loss or damage as a result of any person acting upon or using the attached estimate for any purpose other than for Feasibility Costing Purposes only.

Should you have any queries regarding this matter, please do not hesitate to contact Ken Whyte at this office.

Yours faithfully

Ken Whyte AIQS (Affil)

ESTIMATE SUMMARY

Job Name :	<u>14 RAYBEN ST-2016</u>	Job Description
Client's Name:		COST OF DEVELOPMENT OF PROPOSED LIQUID WASTE FACILITY AND DEPOT. 14 RAYBEN STREET, GLENDENNING -2016

Trd No.	Trade Description	Trade %	Cost/m2	Trade Total
1	DOCUMENTS USED			
2	PRELIMINARIES	1.94		134,550
3	DEMOLITION & SITE PREPARATION	1.46		101,350
4	SUBSTRUCTURE	3.74		259,467
5	COLUMNS	2.39		165,402
6	ROOF	4.31		299,158
7	EXTERNAL WALLS	1.34		93,239
8	WINDOWS	0.01		475
9	EXTERNAL DOORS	1.02		70,407
10	INTERNAL WALLS	0.87		60,263
11	INTERNAL DOORS	0.02		1,490
12	FITMENTS	0.05		3,500
13	EQUIPMENT	67.85		4,705,000
14	EXTERNAL WORKS	3.81		264,325
15	ELECTRICAL SERVICES	3.46		240,000
16	HYDRAULIC SERVICES	4.19		290,500
17	CONSULTANTS	3.53		245,000
18	CONTINGENCY ALLOWANCES - excluded			
19	OH & PROFIT - included in rates			
20	GST - excluded			
		100.00		6,934,126

Final Total : \$ 6,934,126

Description		Qty	Unit	Rate	\$
<u>DOCUMENTS USED</u>					
<u>DUGGAN & HEDE ENGINEERS DRAWINGS</u>					
A	R1456-D0-01		Note		
B	R1456-D0-02		Note		
C	R1456-D0-03		Note		
D	R1456-D0-11		Note		
E	R1456-D0-12		Note		
F	R1456-D0-13		Note		
G	R1456-D0-14		Note		
H	R1456-D0-15		Note		
J	R1456-D0-21		Note		
K	R1456-D0-22		Note		
L	R1456-D0-23		Note		
M	R1456-D0-24		Note		
N	R1456-D0-25		Note		
P	R1456-D0-50		Note		
Q	R1456-D0-51		Note		
<u>ENVIRONMENTAL PLANNING AND ASSESSMENT REGULATION 2000</u>					
R	Clause 3		Note		
COST OF DEVELOPMENT OF PROPOSED LIQUID WASTE FACILITY AND DEPOT. 1/1 14 RAYBEN STREET, GLENDENNING -2016				To Collection \$	NIL

Description	Qty	Unit	Rate	\$
<u>DOCUMENTS USED (Cont)</u>				
COLLECTION				
Page No. 1/1				NIL
DOCUMENTS USED Carried to Summary				NIL

Description		Qty	Unit	Rate	\$	
<u>PRELIMINARIES</u>						
<u>ADMINISTRATION</u>						
<u>Supervision</u>						
A	Allow for the provision of all foremen and supervisory staff as required	16	weeks	3,500.00	56,000	0
B	Labourer	16	weeks	1,500.00	24,000	0
<u>Programme</u>						
C	Allow for monitoring progress and for the preparation and updating of documentation construction programmes and charts as required		Item		1,000	0
<u>Safety Equipment</u>						
D	Allow for providing safety helmets & Vest for visitors as required		Item		500	0
<u>First Aid</u>						
E	Allow for the cost of providing all necessary first aid and safety measures	16	weeks	50.00	800	0
<u>SITE</u>						
<u>Setting Out</u>						
F	Allow for all setting out and checking the work including the use of a Licensed Surveyor		Item		1,500	0
G	Allow for preserving existing survey marks and rectifying any disturbance thereto		Item		INCL	
<u>Footpath Crossings</u>						
H	Allow to protect the existing crossover to the satisfaction of Council		Item		750	0
<u>Existing Services</u>						
J	Allow for determining the position of all existing services and protecting, supporting, disconnecting or relocating as necessary		Item		2,500	0
COST OF DEVELOPMENT OF PROPOSED LIQUID WASTE FACILITY AND DEPOT. 2/1 14 RAYBEN STREET, GLENDENNING -2016					To Collection \$	87,050 0

	Description	Qty	Unit	Rate	\$
	<u>PRELIMINARIES (Cont)</u>				
	<u>(Cont) SITE</u>				
	<u>Electrical</u>				
A	Connect electricity/ pole and switch board (connect up to amenities)		Item		INCL
B	Consumption		Item		4,800 0
	<u>Sheds and Offices</u>				
C	Allow for the provision of all Contractor's stores, sheds, offices, meeting rooms, mess rooms	16	weeks	250.00	4,000 0
D	Toilet - Portaloo on hire	16	weeks	50.00	800 0
E	Delivery		Item		750 0
	<u>Temporary Services</u>				
F	Allow for the provision of and payment of all costs in connection with all temporary services including sewerage, water, power, lighting, heating, ventilation, telephones, facsimile and fire protection	16	weeks	150.00	2,400 0
	<u>PLANT</u>				
	<u>Generally</u>				
G	Allow for providing all plant, equipment, hoists, cranes, temporary and the like (with attendant operators) necessary for the construction of the works		Item		1,500 0
H	Allow for providing, erecting, maintaining and dismantling all necessary scaffolding		Item		3,000 0
	<u>INSURANCES</u>				
J	Allow for indemnifying the Principal and effecting all necessary insurances		Item		20,000 0
COST OF DEVELOPMENT OF PROPOSED LIQUID WASTE FACILITY AND DEPOT. 2/2 14 RAYBEN STREET, GLENDEENING -2016					To Collection \$ 37,250 0

Description		Qty	Unit	Rate	\$	
<u>PRELIMINARIES (Cont)</u>						
<u>COMPLETION</u>						
<u>Defects</u>						
A	Allow for all costs associated with the making good of defects during the defects liability period		Item		1,500	0
<u>Cleaning</u>						
B	Allow for periodic and final cleaning up as required and removal of debris	16	weeks	500.00	8,000	0
<u>Handing Over</u>						
C	Allow for handing over all certificates and the like and labelling and handing over all keys		Item		750	0

Description	Qty	Unit	Rate	\$
<u>PRELIMINARIES (Cont)</u>				
COLLECTION				
<i>Page No. 2/1</i>				87,050 0
<i>Page No. 2/2</i>				37,250 0
<i>Page No. 2/3</i>				10,250 0
PRELIMINARIES Carried to Summary				134,550 0

Description		Qty	Unit	Rate	\$
<u>DEMOLITION & SITE PREPARATION</u>					
<u>METHOD OF MEASUREMENT</u>					
A	The following Bill of Quantities is in an abbreviated format and as such has not been measured in accordance with the Australian Standard Method of Measurement		Note		
<u>SPECIFICATION</u>					
B	Refer to the Specification for full notes of materials and workmanship		Note		
<u>PRICES</u>					
C	Prices for demolition are to include for removing all rubbish and debris, making good, temporary shoring and the like		Note		
D	Prices for demolition are to include for carrying out all works in accordance with statutory requirements and the payment of all notices and fees related to.		Note		
E	Prices for demolition to include for all dust screens, barricades, hoardings, suppressing of dust and noise, all temporary propping and supports during the carrying out of operations		Note		
<u>INSPECTION</u>					
F	Allow for inspection of the existing premises		Item		500 0
<u>PROTECTION</u>					
G	Allow for all necessary protection to existing site and adjoining properties		Item		2,750 0

COST OF DEVELOPMENT OF PROPOSED
LIQUID WASTE FACILITY AND DEPOT. 3/1
14 RAYBEN STREET, GLENDEENING -2016

To Collection \$ 3,250 0

Description	Qty	Unit	Rate	\$	
<u>DEMOLITION & SITE PREPARATION (Cont)</u>					
<u>DEMOLITION WORKS</u>					
Allow for all necessary demolition works including but not limited to to removal of the existing building, all parts of buildings, grubbing up foundations, slabs, paths and pavings, disconnecting and sealing off existing services and all other demolition works not detailed nor specified but deemed necessary for the carrying out and completion of the contract		Item		50,000	0
Saw cut and break up reinforced ground slab - by machine, and removal off site	1,876	m2	25.00	46,900	0
<u>SILT CONTROL</u>					
Allow for compliance with relevant Acts, By-Laws and Regulations relating to Silt and Sediment Control		Item		1,200	0

COST OF DEVELOPMENT OF PROPOSED
LIQUID WASTE FACILITY AND DEPOT. 3/2
14 RAYBEN STREET, GLENDENNING -2016

To Collection \$ 98,100 0

Description	Qty	Unit	Rate	\$
<u>DEMOLITION & SITE PREPARATION (Cont)</u>				
COLLECTION				
<i>Page No. 3/1</i>				3,250 0
<i>Page No. 3/2</i>				98,100 0
DEMOLITION & SITE PREPARATION Carried to Summary				101,350 0

	Description	Qty	Unit	Rate	\$
	<u>SUBSTRUCTURE</u>				
	<u>COLUMN FOUNDATIONS</u>				
A	Concrete in column foundation including reinforcement, excavation of equal depth :[42 No]	42	m3	426.00	17,892 0
	<u>FILLING</u>				
	<u>Crushed rock filling compacted in layers under ground slab.</u>				
B	150mm deep :[1876 m2]	282	m3	75.00	21,150 0
	<u>Clean sand filling compacted in layers, under ground slab.</u>				
C	50mm deep blinding	1,876	m2	3.50	6,566 0
	<u>GROUND SLABS</u>				
	<u>Concrete in ground slab including reinforcement, formwork to edges, joints:</u>				
D	160mm thick	1,876	m2	84.90	159,272 4
	<u>Extra for:-</u>				
E	Drive over Bunding	42	m	200.00	8,400 0
F	Unloading Bay Bunding 200mm high	49	m	200.00	9,800 0
G	Edge forms	256	m	25.00	6,400 0
H	Polyethylene underlay	1,876	m2	4.55	8,535 8
	<u>allowance for joints in concrete with and including any additional excavation, and all necessary concrete thickening, formwork, keying battens, dowels, bitumen paint, board fillers and seals and the like</u>				
J	150mm deep keyed joint including 10 x 10 rebate one edge and approved sealant (KJ)	239	m	34.50	8,245 5
K	Sawn joint with approved sealant (SJ)	616	m	16.00	9,856 0
COST OF DEVELOPMENT OF PROPOSED LIQUID WASTE FACILITY AND DEPOT. 4/1 14 RAYBEN STREET, GLENDENNING -2016					To Collection \$ 256,117 7

Description		Qty	Unit	Rate	\$
<u>SUBSTRUCTURE (Cont)</u>					
<u>INSITU CONCRETE STAIRCASE</u>					
A	Concrete staircase and landing including monolithic finish to walking surface, class 3 off-form soffit and edges, reinforcement, etc as shown on drawing D0-11	2	No	424.36	848 7
<u>CONCRETE PLACING</u>					
B	Pumping concrete into position	2	No	1,250.00	2,500 0
COST OF DEVELOPMENT OF PROPOSED LIQUID WASTE FACILITY AND DEPOT. 4/2 14 RAYBEN STREET, GLENDENNING -2016		To Collection \$			3,348 7

Description	Qty	Unit	Rate	\$
<u>SUBSTRUCTURE (Cont)</u>				
COLLECTION				
Page No. 4/1				256,117 7
Page No. 4/2				3,348 7
SUBSTRUCTURE Carried to Summary				259,466 4

COST OF DEVELOPMENT OF PROPOSED
LIQUID WASTE FACILITY AND DEPOT. 5/1
14 RAYBEN STREET, GLENDENNING -2016

Description	Qty	Unit	Rate	\$
<u>COLUMNS (Cont)</u>				
COLLECTION				
Page No. 5/1				165,401 1
COLUMNS Carried to Summary				165,401 1

	Description	Qty	Unit	Rate	\$	
	<u>ROOF</u>					
	<u>STEEL FRAMED ROOF CONSTRUCTION</u>					
A	Costs are for supplying and erection complete including shop treatment with zinc chromate primer. :[24 No]	17.37	t	8,265.00	143,563	0
B	Purlins over office/ lunch room	23	m2	45.00	1,035	0
C	Extra for hot dip galvanising. :[24 No]	17.37	t	1,250.00	21,712	5
D	Allowance for connections etc		Item		9,152	1
	<u>SHEET METAL ROOFING</u>					
E	Colorbond metal roof sheeting fixed to steel roof purlins at centres in accordance with manufacturer's printed instructions	1,957	m2	45.90	89,826	3
F	Extra over for Alysnite sheeting	96	m2	25.00	2,400	0
G	Safety mesh to all roof	1,957	m2	6.50	12,720	5
	<u>ROOFING TRIM</u>					
	<u>Cappings Colorbond Zinc/aluminium coated steel.</u>					
H	Ridge	66	m	35.00	2,310	0
	<u>ROOF PLUMBING</u>					
J	Eaves gutters:- Colorbond, 200mm Half round, 0.55 mm, BMT, Rivet and silicon seal	131	m	46.98	6,154	3
K	Sheet metal downpipes: Colorbond, Circular, 100-150mm, 0.55 BMT. Rivet and silicon seal :[14 No]	109	m	58.29	6,353	6
	<u>FASCIA TREATMENT</u>					
L	Prefinished fascia	131	m	30.00	3,930	0
COST OF DEVELOPMENT OF PROPOSED LIQUID WASTE FACILITY AND DEPOT. 6/1 14 RAYBEN STREET, GLENDENNING -2016					To Collection \$	299,157 4

Description	Qty	Unit	Rate	\$
<u>ROOF (Cont)</u>				
COLLECTION				
Page No. 6/1				299,157 4
ROOF Carried to Summary				299,157 4

Description		Qty	Unit	Rate	\$	
<u>EXTERNAL WALLS</u>						
<u>EXTERNAL STEEL FRAMED WALLS</u>						
<u>Framing</u>						
A	Steel framed wall framing	974	m2	35.70	34,771	8
<u>SHEET METAL LINING</u>						
B	Preformed continuous Corrugated Metal Cladding system complete with all necessary fasteners, accessories, trims and flashings all in accordance with AS 1562.1 & AS 3566.	974	m2	45.00	43,830	0
<u>BLOCK WALLS</u>						
C	200mm thick hollow core dwarf walls	73	m2	108.40	7,913	2
<u>Extra for:-</u>						
D	Waterproofing membrane	73	m2	25.00	1,825	0
E	Core filling and reinforcement to dwarf walls	73	m2	67.10	4,898	3

Description	Qty	Unit	Rate	\$
<u>EXTERNAL WALLS (Cont)</u>				
COLLECTION				
Page No. 7/1				93,238 3
EXTERNAL WALLS Carried to Summary				93,238 3

COST OF DEVELOPMENT OF PROPOSED
LIQUID WASTE FACILITY AND DEPOT. 8/1
14 RAYBEN STREET, GLENDENNING -2016

COST OF DEVELOPMENT OF PROPOSED
LIQUID WASTE FACILITY AND DEPOT. 8/2
14 RAYBEN STREET, GLENDENNING -2016

Description		Qty	Unit	Rate	\$
<u>EXTERNAL DOORS</u>					
<u>ROLLER DOOR</u>					
A	Commercial ribbed roller shutter (continuous curtain) :[6 No]	230	m2	260.00	59,800 0
<u>Extra for:-</u>					
B	Electrical operation	6	No.	850.00	5,100 0
C	Remote control	6	No.	85.00	510 0
<u>EXTERNAL QUALITY FIRE DOORS</u>					
<u>Single width fire rated door including steel frame, hardware, furniture and paint finish</u>					
D	One hour rated (PD1)	5	No.	999.38	4,996 9
COST OF DEVELOPMENT OF PROPOSED LIQUID WASTE FACILITY AND DEPOT. 9/1 14 RAYBEN STREET, GLENDENNING -2016					To Collection \$ 70,406 9

Description	Qty	Unit	Rate	\$
<u>EXTERNAL DOORS (Cont)</u>				
COLLECTION				
Page No. 9/1				70,406 9
EXTERNAL DOORS Carried to Summary				70,406 9

Description		Qty	Unit	Rate	\$
<u>INTERNAL WALLS</u>					
<u>BLOCK WALLS</u>					
A	200mm thick hollow core walls	26	m2	105.76	2,749 7
<u>Extra for:-</u>					
B	Waterproofing membrane	26	m2	25.00	650 0
C	Core filling and reinforcement to retaining walls	26	m2	67.10	1,744 6
<u>INTERNAL STEEL FRAMED WALLS</u>					
<u>Framing</u>					
D	Steel framed wall framing	683	m2	35.70	24,383 1
<u>SHEET METAL LINING</u>					
E	Preformed continuous Corrugated Metal Cladding system complete with all necessary fasteners, accessories, trims and flashings all in accordance with AS 1562.1 & AS 3566.	683	m2	45.00	30,735 0

Description	Qty	Unit	Rate	\$
<u>INTERNAL WALLS (Cont)</u>				
COLLECTION				
Page No. 10/1				60,262 4
INTERNAL WALLS Carried to Summary				60,262 4

Description		Qty	Unit	Rate	\$
<u>INTERNAL DOORS</u>					
<u>INTERNAL QUALITY TIMBER DOORS</u>					
<u>Solid core flush doors</u>					
A	Single width solid core door, including metal frame, hardware, furniture and paint finish	2	No.	745.00	1,490 0
COST OF DEVELOPMENT OF PROPOSED LIQUID WASTE FACILITY AND DEPOT. 11/1 14 RAYBEN STREET, GLENDENNING -2016		To Collection \$			1,490 0

Description	Qty	Unit	Rate	\$
<u>INTERNAL DOORS (Cont)</u>				
COLLECTION				
Page No. 11/1				1,490 0
INTERNAL DOORS Carried to Summary				1,490 0

COST OF DEVELOPMENT OF PROPOSED
LIQUID WASTE FACILITY AND DEPOT. 12/1
14 RAYBEN STREET, GLENDENNING -2016

COST OF DEVELOPMENT OF PROPOSED
LIQUID WASTE FACILITY AND DEPOT. 12/2
14 RAYBEN STREET, GLENDENNING -2016

Description		Qty	Unit	Rate	\$	
<u>EQUIPMENT</u>						
<u>GREASE TRAP EQUIPMENT</u>						
<u>NEW EQUIPMENT (to be purchased)</u>						
A	30 kL Steel Tanks - supply	10	No	60,000.00	600,000	0
B	DAF Unit - supply and install		Item		130,000	0
C	DAF Enclosure - supply and install		Item		20,000	0
D	Vacuum Pumps - supply and install	1	No	50,000.00	50,000	0
E	Carbon Filter - supply and install	1	No	90,000.00	90,000	0
F	Pipework, Valves etc		Item		200,000	0
G	Subtotal				1,090,000	0
<u>EQUIPMENT TRANSPORT AND INSTALLATION etc</u>						
H	30 kL Steel Tanks - transport and refurbish	3	No	20,000.00	60,000	0
J	30 kL Steel Tanks - install	13	No	35,000.00	455,000	0
K	Trade Waste Connection	1	No	30,000.00	30,000	0
L	Subtotal				545,000	0
<u>FOOD WASTE EQUIPMENT</u>						
<u>NEW EQUIPMENT (to be purchased)</u>						
M	30 kL Steel Tanks - supply	5	No	60,000.00	300,000	0
N	Vacuum Pumps - supply and install	1	No	50,000.00	50,000	0
P	Carbon Filter - supply and install	1	No	95,000.00	95,000	0
Q	Pipework, Valves etc		Item		100,000	0
R	Subtotal				545,000	0
<u>EQUIPMENT TRANSPORT AND INSTALLATION etc</u>						
S	30 kL Steel Tanks - supply	5	No	20,000.00	100,000	0
T	Trade Waste Connection	1	No	15,000.00	15,000	0
U	Subtotal				115,000	0

COST OF DEVELOPMENT OF PROPOSED
LIQUID WASTE FACILITY AND DEPOT. 13/1
14 RAYBEN STREET, GLENDEENING -2016

To Collection \$ 2,295,000 0

Description		Qty	Unit	Rate	\$	
<u>EQUIPMENT (Cont)</u>						
<u>USED OIL EQUIPMENT</u>						
<u>NEW EQUIPMENT (to be purchased)</u>						
A	40 kL Steel Tanks - supply	5	No	60,000.00	300,000	0
B	20 kL Tank stand (Flammables) - supply	1	No	40,000.00	40,000	0
C	Pumps, Strainers - supply and install		Item		200,000	0
D	Pipework, Valves etc - supply and install		Item		550,000	0
E	Electrical, level control and metering		Item		220,000	0
F	Subtotal				1,310,000	0
<u>EQUIPMENT TRANSPORT AND INSTALLATION etc</u>						
G	120 kL Steel Tanks - transport and refurbish	4	No	50,000.00	200,000	0
H	120 kL Steel Tanks - install	4	No	20,000.00	80,000	0
J	40 kL Steel Tanks - install	5	No	20,000.00	100,000	0
K	20 kL Tank stand (Flammables) - install		Item		10,000	0
L	Subtotal				390,000	0
<u>OILY WATER EQUIPMENT</u>						
<u>NEW EQUIPMENT (to be purchased)</u>						
M	60 kL Steel Tanks - supply	2	No	110,000.00	220,000	0
N	Pumps, Strainers - supply and install		Item		50,000	0
P	Pipework, Valves etc - supply and install		Item		80,000	0
Q	Electrical, level control and metering		Item		50,000	0
R	DAF Unit - supply and install		Item		80,000	0
S	Subtotal				480,000	0

COST OF DEVELOPMENT OF PROPOSED
LIQUID WASTE FACILITY AND DEPOT. 13/2
14 RAYBEN STREET, GLENDENNING -2016

To Collection \$ 2,180,000 0

[illegible]

Description	Qty	Unit	Rate	\$
<u>EQUIPMENT (Cont)</u>				
COLLECTION				
<i>Page No. 13/1</i>				<i>2,295,000 0</i>
<i>Page No. 13/2</i>				<i>2,180,000 0</i>
<i>Page No. 13/3</i>				<i>230,000 0</i>
EQUIPMENT				
Carried to Summary				4,705,000 0

	Description	Qty	Unit	Rate	\$
	<u>EXTERNAL WORKS</u>				
	<u>EXCAVATION</u>				
A	<i>Proof rolling prior to placing ground slabs</i>	50	m2	5.00	250 0
	<u>FILLING</u>				
	<i>Crushed rock filling compacted in layers under ground slab.</i>				
B	<i>150mm deep :[150 m2]</i>	23	m3	75.00	1,725 0
	<u>EXTERNAL PAVEMENT GROUND SLABS</u>				
	<i>Concrete in ground slab including reinforcement, formwork to edges, joints:</i>				
C	<i>160mm thick</i>	150	m2	84.90	12,735 0
	<u>Extra for:-</u>				
D	<i>Edge forms</i>	65	m	25.00	1,625 0
	<i>Joints in concrete with and including any additional excavation, and all necessary concrete thickening, formwork, keying battens, dowels, bitumen paint, board fillers and seals and the like</i>				
E	<i>150mm deep keyed joint including 10 x 10 rebate one edge and approved sealant (KJ)</i>	20	m	34.50	690 0
F	<i>Sawn joint with approved sealant (SJ)</i>	50	m	16.00	800 0
	<u>CONCRETE PLACING</u>				
G	<i>Pumping concrete into position</i>	1	No	1,250.00	1,250 0
	<u>VEHICLE CROSSINGS, PATHS AND KERBS (OUTSIDE BOUNDARY OF SITE)</u>				
H	<i>Allowance for constructing concrete vehicle crossings complete with transition to kerb at each corner and making good to pavement and road, all in accordance with the Council requirements and regulations.</i>	50	m2	150.00	7,500 0

COST OF DEVELOPMENT OF PROPOSED
LIQUID WASTE FACILITY AND DEPOT. 14/1
14 RAYBEN STREET, GLENDEENING -2016

To Collection \$ 26,575 0

Description		Qty	Unit	Rate	\$
<u>EXTERNAL WORKS (Cont)</u>					
<u>MISCELLANEOUS</u>					
A	Weighbridge		Item		150,000 0
B	Line marking on concrete	1	m	2,500.00	2,500 0
C	External signage		Item		2,500 0
D	Bollards	17	No	750.00	12,750 0
E	Landscaping		Item		20,000 0
F	All other		Item		50,000 0

COST OF DEVELOPMENT OF PROPOSED
LIQUID WASTE FACILITY AND DEPOT. 14/2
14 RAYBEN STREET, GLENDENNING -2016

To Collection \$ 237,750 0

Description	Qty	Unit	Rate	\$
<u>EXTERNAL WORKS (Cont)</u>				
COLLECTION				
<i>Page No. 14/1</i>				26,575 0
<i>Page No. 14/2</i>				237,750 0
EXTERNAL WORKS Carried to Summary				264,325 0

Description		Qty	Unit	Rate	\$	
<u>ELECTRICAL SERVICES</u>						
<u>METHOD OF MEASUREMENT</u>						
A	The following Bill of Quantities is in an abbreviated format and as such has not been measured in accordance with the Australian Standard Method of Measurement		Note			
<u>SPECIFICATION</u>						
B	Refer to the Specification for full notes of materials and workmanship		Note			
<u>PRICES</u>						
C	Measurement and prices for electrical work is deemed to include for screws, nails, bolts, nuts, nipples, standard cable fixing or supporting clips, saddles, brackets, straps, rivets, plugs and similar items and all other incidental accessories		Note			
D	Measurement and prices for work described as laid in trench are deemed to include for excavation, maintaining faces of excavation, backfilling, compaction, termite treatment where appropriate, cable covers, warning tape and disposal of surplus spoil		Note			
E	Measurement and prices for electrical conduit, fittings equipment and similar items deemed to include for all fixings to various building surfaces		Note			
<u>ALLOWANCE MADE FOR SCOPE</u>						
F	Endeavour Energy Connection		Item		50,000	0
G	Conduits	200	m	75.00	15,000	0
H	Data/ CCTV		Item		10,000	0
J	Switchboard		Item		35,000	0
K	Electrics - Organics Building		Item		35,000	0
L	Electrics - Oil Roof Structure		Item		35,000	0
M	External lighting		Item		10,000	0
COST OF DEVELOPMENT OF PROPOSED LIQUID WASTE FACILITY AND DEPOT. 15/1 14 RAYBEN STREET, GLENDEENING -2016				To Collection \$	190,000	0

Description		Qty	Unit	Rate	\$
<u>ELECTRICAL SERVICES (Cont)</u>					
<u>(Cont) ALLOWANCE MADE FOR SCOPE</u>					
A	Electrical Other		Item		50,000 0
COST OF DEVELOPMENT OF PROPOSED					
LIQUID WASTE FACILITY AND DEPOT. 15/2					
14 RAYBEN STREET, GLENDENNING -2016					
To Collection \$					50,000 0

Description	Qty	Unit	Rate	\$
<u>ELECTRICAL SERVICES (Cont)</u>				
COLLECTION				
<i>Page No. 15/1</i>				190,000 0
<i>Page No. 15/2</i>				50,000 0
ELECTRICAL SERVICES Carried to Summary				240,000 0

	Description	Qty	Unit	Rate	\$	
	<u>HYDRAULIC SERVICES</u>					
	<u>METHOD OF MEASUREMENT</u>					
A	<i>The following Bill of Quantities is in an abbreviated format and as such has not been measured in accordance with the Australian Standard Method of Measurement</i>		Note			
	<u>SPECIFICATION</u>					
B	<i>Refer to the Specification for full notes of materials and workmanship</i>		Note			
	<u>PRICES</u>					
C	<i>Measurement and prices for hydraulic work is deemed to include for sockets, running joints, connectors, back nuts, nipples, connectors, incidental fittings, clips, saddles, brackets, straps, hangers, screws, nails, explosive and low velocity tool fasteners, and other metal fastening anchors and/or systems and fixing complete including cutting and forming holes, supplying and building in sleeves (other than fire rated)</i>		Note			
D	<i>Measurement and prices for drainage work is deemed to include for maintaining faces of drain pipe trenches and pits, backfilling, disposal of surplus spoil, forming pockets beneath collars and all jointing and other incidental materials</i>		Note			
	<u>ORGANIC BUILDING</u>					
E	<i>Inground Sumps</i>	4	No	7,500.00	30,000	0
F	<i>Internal Drainage</i>	20	m	150.00	3,000	0
	<u>OIL STORAGE ROOF STRUCTURE</u>					
G	<i>Inground Sumps</i>	2	No	7,500.00	15,000	0
	<u>ALLOWANCE MADE FOR SCOPE</u>					
H	<i>Bio retention Stormwater Filter</i>	4	No	15,000.00	60,000	0
J	<i>375mm dia RCPs</i>	60	m	250.00	15,000	0
COST OF DEVELOPMENT OF PROPOSED LIQUID WASTE FACILITY AND DEPOT. 16/1 14 RAYBEN STREET, GLEN DENNING -2016					To Collection \$	123,000 0

Description		Qty	Unit	Rate	\$	
<u>HYDRAULIC SERVICES (Cont)</u>						
<u>(Cont) ALLOWANCE MADE FOR SCOPE</u>						
A	Gullies	3	No	2,500.00	7,500	0
<u>HYDRAULICS/ FIRE SERVICES</u>						
B	Sydney Water Connection		Item		15,000	0
C	100mm water main	200	m	100.00	20,000	0
D	40/32mm Services	200	m	50.00	10,000	0
E	Sewer	200	m	100.00	20,000	0
F	Tub/ eyewash		Item		5,000	0
G	All other		Item		20,000	0
<u>HYDRANT POINTS, HOSE REELS, CABINETS</u>						
H	Hydrant, Booster		Item		20,000	0
J	Cabinet with swinging bracket hose reel and connection to hydrant point - 19mm diameter x 36m long.		Item		20,000	0
K	Allow for tanks, boosters, pumps etc to complete the installation	3	No	10,000.00	30,000	0
COST OF DEVELOPMENT OF PROPOSED LIQUID WASTE FACILITY AND DEPOT. 16/2 14 RAYBEN STREET, GLENDENNING -2016					To Collection \$	167,500 0

Description	Qty	Unit	Rate	\$
<u>HYDRAULIC SERVICES (Cont)</u>				
COLLECTION				
<i>Page No. 16/1</i>				123,000 0
<i>Page No. 16/2</i>				167,500 0
HYDRAULIC SERVICES Carried to Summary				290,500 0

Description		Qty	Unit	Rate	\$
<u>CONSULTANTS</u>					
<u>APPROVALS / DESIGN - Stage 1</u>					
<u>Engineer</u>					
A	DA		Item		130,000 0
B	Design		Item		75,000 0
<u>Surveyor</u>					
C	Survey/Geotechnical		Item		10,000 0
<u>DA/CC Fees</u>					
D	Allowance made		Item		30,000 0
COST OF DEVELOPMENT OF PROPOSED				To Collection \$	245,000 0
LIQUID WASTE FACILITY AND DEPOT. 17/1					
14 RAYBEN STREET, GLENDENNING -2016					

COST OF DEVELOPMENT OF PROPOSED
LIQUID WASTE FACILITY AND DEPOT. 17/2
14 RAYBEN STREET, GLENDENNING -2016

Description	Qty	Unit	Rate	\$
<u>CONTINGENCY ALLOWANCES - excluded</u> <i>Amount from summary level.</i>				

COST OF DEVELOPMENT OF PROPOSED
LIQUID WASTE FACILITY AND DEPOT. 18/1
14 RAYBEN STREET, GLENDENNING -2016

To Collection \$

NIL

COST OF DEVELOPMENT OF PROPOSED
LIQUID WASTE FACILITY AND DEPOT. 18/2
14 RAYBEN STREET, GLENDENNING -2016

Description	Qty	Unit	Rate	\$
<u>OH & PROFIT - included in rates</u> Amount from summary level.				

COST OF DEVELOPMENT OF PROPOSED
LIQUID WASTE FACILITY AND DEPOT. 19/1
14 RAYBEN STREET, GLENDENNING -2016

To Collection \$

NIL

COST OF DEVELOPMENT OF PROPOSED
LIQUID WASTE FACILITY AND DEPOT. 19/2
14 RAYBEN STREET, GLENDENNING -2016

Description	Qty	Unit	Rate	\$
<u>GST - excluded</u> Amount from summary level.				
COST OF DEVELOPMENT OF PROPOSED LIQUID WASTE FACILITY AND DEPOT. 20/1 14 RAYBEN STREET, GLENDENNING -2016				To Collection \$
				NIL

Description	Qty	Unit	Rate	\$
<u>GST - excluded (Cont)</u>				
COLLECTION				
Page No. 20/1				NIL
GST - excluded Carried to Summary				NIL

Description	Qty	Unit	Rate	\$
SUMMARY	Page No.			
DOCUMENTS USED	1/2		NIL	
PRELIMINARIES	2/4		134,550	0
DEMOLITION & SITE PREPARATION	3/3		101,350	0
SUBSTRUCTURE	4/3		259,466	4
COLUMNS	5/2		165,401	1
ROOF	6/2		299,157	4
EXTERNAL WALLS	7/2		93,238	3
WINDOWS	8/2		475	0
EXTERNAL DOORS	9/2		70,406	9
INTERNAL WALLS	10/2		60,262	4
INTERNAL DOORS	11/2		1,490	0
FITMENTS	12/2		3,500	0
EQUIPMENT	13/4		4,705,000	0
EXTERNAL WORKS	14/3		264,325	0
ELECTRICAL SERVICES	15/3		240,000	0
HYDRAULIC SERVICES	16/3		290,500	0
CONSULTANTS	17/2		245,000	0
CONTINGENCY ALLOWANCES - excluded	18/2		NIL	
OH & PROFIT - included in rates	19/2		NIL	
GST - excluded	20/2		NIL	
TOTAL AMOUNT			6,934,122	7
Note: This Bill of Quantities contains pages numbered 1/1 - 20/2				