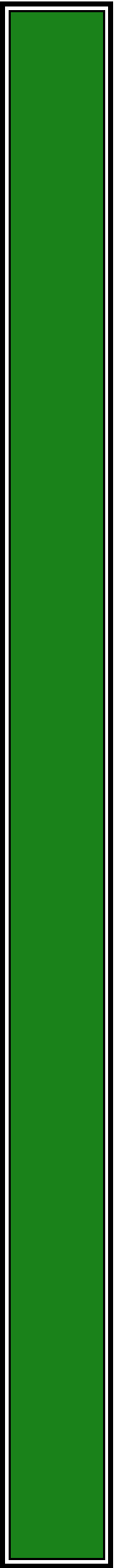


Appendix 11

Capital Investment Value



KUE-S-SERVICES PTY LTD

Quantity Surveying & Building Estimating Services

Australian Business Number (ABN) 17 128 676 906



9th April 2020

Mr. Antony Males
Concrete Recyclers (Group) Pty Ltd
PO Box 238
Rydalmere NSW 1701

Dear Sir

RE: MINTO RECYCLING DEPOT

Thank you for requesting me to provide an estimate for your recycling development.

I enclose for your attention my opinion of Likely Costs for the development in Bill Of Quantity format.

I have prepared the estimate based upon the drawings and outline specification provided.

It is my opinion that this project may be constructed for a cost of \$3,496,560 excluding G.S.T.

We have prepared our estimate of costs based on current market rates and conditions.

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

A handwritten signature in black ink, appearing to read 'K. Whyte', is written over a horizontal line.

Ken Whyte MAIQ CQS



Registered Tax Agent No. 53768 008.

at 17 George Street, Mount Druitt N.S.W. 2770
Tel (02) 9625 5748 Fax (02) 9625 6044
Mob 0418 26 00 13 or 0413 69 75 36
Web:- www.kue-s.com Email: - sales@kue-s.com

ESTIMATE SUMMARY

Job Name :	<u>MINTO-4</u>	Job Description
Client's Name:		COST OF DEVELOPMENT OF PROPOSED RECYCLING DEPOT AT MINTO APRIL 2020

Trd No.	Trade Description	Trade %	Cost/m2	Trade Total
1	DOCUMENTS USED			
2	PRELIMINARIES & SITE PREPARATION	1.14		39,800
3	BULK EARTHWORKS	9.05		316,354
4	CAR PARK & ASSOCIATED RETAINING WALL ETC	2.36		82,478
5	SITE RETAINING WALL / FENCING	22.68		792,898
6	DRAINAGE/ STORMWATER COLLECTION	6.44		225,290
7	SPRINKLER SYSTEM	3.43		119,950
8	CRUSHER SHEDS - PLANT 'A'	11.90		415,942
9	CRUSHING PLANTS & SCREENS - PLANT 'A'	6.74		235,518
10	SAND WASHING PLANT & SCREENS - PLANT 'B'	14.94		522,500
11	SERVICES	10.19		356,195
12	WEIGHBRIDGE, WHEEL WASH, OFFICE, ETC	4.86		169,775
13	WORKSHOP	6.29		219,860
14	GST - excluded			
		100.00		3,496,560

Final Total : \$ 3,496,560

Description		Qty	Unit	Rate	\$
<u>DOCUMENTS USED</u>					
<u>MARTENS CONSULTING ENGINEERS</u>					
A	Report E24373.E03 - dated 24 March 2020		Note		
B	Report E24373.E06 - dated 24 March 2020		Note		
<u>ENGINEERING DRAWINGS</u>					
C	PS02-A000/L		Note		
D	PS02-A300/B		Note		
E	PS02-A400/I		Note		
F	PS02-AZ00/E		Note		
G	PS02-B350/B		Note		
H	PS02-C100/G		Note		
J	PS02-C105/C		Note		
K	PS02-C600/G		Note		
L	PS02-C701/E		Note		
M	PS02-DZ01/H		Note		
N	PS02-DZ02/H		Note		
P	PS02-DZ03/E		Note		
Q	PS02-DZ04/E		Note		
R	PS02-DZ05/E		Note		
S	PS02-DZ10/E		Note		
T	PS02-E100/J		Note		
U	PS02-E200/D		Note		
V	PS02-E201/A		Note		
W	PS02-E401/A		Note		
X	PS02-E600/D		Note		
Y	PS02-E700/A		Note		
Z	PS02-F101/F		Note		
COST OF DEVELOPMENT OF PROPOSED RECYCLING DEPOT AT MINTO 1/1 APRIL 2020				To Collection \$	NIL

Description		Qty	Unit	Rate	\$
<u>DOCUMENTS USED (Cont)</u>					
<u>(Cont) ENGINEERING DRAWINGS</u>					
A	PS02-F102/F		Note		
B	PS02-F103/E		Note		
C	PS02-F200/G		Note		
D	PS02-F201/F		Note		
E	PS02-F400/C		Note		
F	PS02-G100/F		Note		
<u>SURVEY DRAWING</u>					
G	CH5241.001		Note		
<u>ANTONY MALES EMAIL</u>					
H	Dated 8/4/2020		Note		

Description		Qty	Unit	Rate	\$
<u>PRELIMINARIES & SITE PREPARATION</u>					
<u>ADMINISTRATION</u>					
<u>Supervision</u>					
A	Allow for the provision of all foremen and supervisory staff as required	12	weeks	2,500.00	30,000 0
<u>Programme</u>					
B	Allow for monitoring progress and for the preparation and updating of documentation construction programmes and charts as required		Item		250 0
<u>Safety Equipment</u>					
C	Allow for providing safety helmets & Vest for visitors as required		Item		300 0
<u>First Aid</u>					
D	Allow for the cost of providing all necessary first aid and safety measures		Item		150 0
<u>SITE</u>					
<u>Setting Out</u>					
E	Allow for all setting out and checking the work including the use of a Licensed Surveyor		Item		1,500 0
F	Allow for preserving existing survey marks and rectifying any disturbance thereto		Item		INCL
<u>Footpath Crossings</u>					
G	Allow to protect the existing crossover to the satisfaction of Council		Item		750 0
<u>Existing Services</u>					
H	Allow for determining the position of all existing services and protecting, supporting, disconnecting or relocating as necessary		Item		INCL
COST OF DEVELOPMENT OF PROPOSED RECYCLING DEPOT AT MINTO 2/1 APRIL 2020					To Collection \$ 32,950 0

COST OF DEVELOPMENT OF
PROPOSED RECYCLING DEPOT AT MINTO 2/2
APRIL 2020

	Description	Qty	Unit	Rate	\$
	<u>BULK EARTHWORKS</u>				
	<u>SILT CONTROL</u>				
A	Allow for compliance with relevant Acts, By-Laws and Regulations relating to Silt and Sediment Control and Install sediment fencing as shown on drawing B350/b	630	m	18.00	11,340 0
B	Bund & Perimeter drains, as may be required		Item		INCL
	<u>REMEDIATION ACTION PLAN</u>				
C	Testing for the material onsite		Item		7,500 0
D	200 tonne carted to landfill as asbestos waste after processing.	200.00	t	180.00	36,000 0
	<u>SITE PREPARATION</u>				
	<u>Preliminary bulk earthworks as shown on drawing C600/G</u>				
E	Earthworks - self perform all the works.		Note		
F	Cut/ fill - utilise the below equipment. The below equipment have a Nil book value. For this reason the cost per day is only operator/wear/fuel and are as below.		Note		
	<u>825 C compactor @ \$700; 120 Grader @ \$650; 30 tonne excavator @ \$800; Bogie truck @ \$300 (Part time); Watercart @ \$300 (part time)</u>				
G	Therefore the daily cost to run the cut/fill operation is \$2,750 per day at a rate of cut/fill 500 cubic meters. Therefore cut/fill budget should be \$5.50 per m3		Note		
H	Cut	1,298	m3	5.50	7,139 0
J	Fill	7,810	m3	5.50	42,955 0
	<u>HARDSTANDING</u>				
K	Supply, deliver, spread and compact 300mm thickness of fill for working platform, over site	6,432	m3	32.87	211,419 8

COST OF DEVELOPMENT OF
 PROPOSED RECYCLING DEPOT AT MINTO 3/1
 APRIL 2020

To Collection \$

316,353 8

	Description	Qty	Unit	Rate	\$
	<u>CAR PARK & ASSOCIATED RETAINING WALL ETC</u>				
	<u>FILLING</u>				
	<u>Crushed concrete filling</u>				
A	The importation of material for the hardstand would occur through the Concrete Recyclers business. To complete this process need to import uncrushed material from demolition. The tipping fees received will be offset from the crushing costs. Therefore the cost of the hardstand will be the stabilising and placement cost only. For this, utilise the below equipment		Note		
B	Loader @ \$650; Pugmill @ \$400; Roller @ \$400; 120 Grader @ \$650; Bogie truck @ \$300 (Part time); Watercart @ \$300 (part time)		Note		
C	Therefore the daily cost to run the material placement is \$1,650. On a site such as this we would place 400 cubic meters. Therefore the cut/fill budget should be \$4.12 per m3		Note		
D	To ramp : [119 m2]	70	m3	4.12	288 4
E	To car park area : [561 m2]	655	m3	4.12	2,698 6
	<u>RETAINING WALL STRIP FOOTINGS - refer drawing F201</u>				
	<u>25MPA concrete in strip retaining wall footing including reinforcement (100kg/m3) and excavation of equal depth</u>				
F	To car park area : [42 m]	16	m3	616.00	9,856 0
	<u>Plain face concrete blocks 200 x 400 in wall</u>				
G	200mm thick walls	51	m2	146.63	7,478 1
	<u>Extra for:-</u>				
H	Core filling and reinforcement to retaining walls	51	m2	68.89	3,513 3
COST OF DEVELOPMENT OF PROPOSED RECYCLING DEPOT AT MINTO 4/1 APRIL 2020					
To Collection \$					23,834 5

	Description	Qty	Unit	Rate	\$
	CAR PARK & ASSOCIATED RETAINING WALL ETC (Cont)				
	<u>DRIVEWAY and PARKING AREA</u>				
A	Bitumen paving	561	m2	30.00	16,830 0
	<u>Kerbing</u>				
B	Nom 600mm x 225mm kerb and gutter	113	m	130.00	14,690 0
C	Line marking	110	m	2.00	220 0
D	Chevron marking :[1 No]	13	m2	25.00	325 0
E	Disabled space marking	1	No	100.00	100 0
F	Wheel stops	19	No	110.00	2,090 0
	<u>CROSSOVER</u>				
	<u>25MPa concrete in Council crossover slabs including F82 fabric reinforcement, formwork to edges, joints</u>				
G	To Montore Road as noted on drawing G100	60	m2	225.00	13,500 0
	<u>FENCES</u>				
H	3m high chainwire fence (drawing AZ00)	73	m	102.92	7,513 1
J	Extra for 5000mm wide pair of matching gates complete with two posts, braces and fittings	1	Pr	3,375.00	3,375 0

	Description	Qty	Unit	Rate	\$
	<u>SITE RETAINING WALL / FENCING</u>				
	<u>RETAINING WALL STRIP FOOTINGS - refer drawing A400/i, F103/e, F200/g, F201/e</u>				
	<u>25MPA concrete in strip retaining wall footing including reinforcement (100kg/m3) and excavation of equal depth</u>				
A	To site boundaries :[309 m]	102	m3	616.00	62,832 0
	<u>Plain face concrete blocks 200 x 400 in wall</u>				
B	200mm thick walls	277	m2	146.63	40,616 5
	<u>Extra for:-</u>				
C	Core filling and reinforcement to retaining walls	277	m2	72.05	19,957 8
D	Geotextile to rear of the wall	277	m2	6.50	1,800 5
E	Free draining backfill	56	m3	65.00	3,640 0
	<u>FENCING - refer drawing A400/i, F103/e, F200/g, F201/e</u>				
F	6m high Colorbond perimeter fence (legend F)	170	m	313.50	53,295 0
G	6m high Chainwire fence (drawing AZ00 refers)	139	m	280.00	38,920 0
	<u>PRECAST CONCRETE PANELS</u>				
H	6m high as section on drawing AZ00/e, A400/i, F201/e	325	m	1,759.50	571,837 5

COST OF DEVELOPMENT OF
 PROPOSED RECYCLING DEPOT AT MINTO 5/1
 APRIL 2020

To Collection \$

792,899 3

Description		Qty	Unit	Rate	\$
<u>DRAINAGE/ STORMWATER COLLECTION</u>					
<u>RAINWATER TANKS - refer drawing A400/i</u>					
A	70,000 litre rainwater tanks, precast sump and pump at front entrance to catch rainwater from driveway	4	No	20,000.00	80,000 0
B	Extra for delivery, carnage/ installation		Item		3,000 0
C	Plumb in tanks with allowance for water to be pumped on top of stockpile with flexible hoses	4	No	1,250.00	5,000 0
<u>NORTHERN DRAINAGE</u>					
D	Twin 450mm diam lines as shown on drawing E100/j	89	m	610.00	54,290 0
E	Basin complete as shown on drawing E100/j		Item		25,000 0
F	Headwall/ scour protection as shown on drawing E200/d		Item		1,500 0
<u>SOUTHERN DRAINAGE</u>					
G	Twin 350mm diam lines as shown on drawing E100/j	60	m	500.00	30,000 0
H	Basin complete as shown on drawing E100/j		Item		25,000 0
J	Headwall/ scour protection as shown on drawing E200/d		Item		1,500 0
COST OF DEVELOPMENT OF PROPOSED RECYCLING DEPOT AT MINTO 6/1 APRIL 2020					To Collection \$ 225,290 0

Description		Qty	Unit	Rate	\$
<u>SPRINKLER SYSTEM</u>					
<u>WATER SUPPLY - refer drawing E100/j</u>					
<u>PLANT A:</u>					
A	Water supply - 75mm pipe, laid on ground	300	m	100.75	30,225 0
B	Connection to tank systems	4	No	750.00	3,000 0
C	Pumps	4	No	5,000.00	20,000 0
D	Power / Fuel Consumption		Item		1,000 0
E	Flexible polypipe laid on ground	150	m	25.00	3,750 0
F	Take off points plumbed into line to connect sprinklers	4	No	100.00	400 0
G	Pole mounted rotary sprinkler	20	No	80.00	1,600 0
<u>PLANT B:</u>					
H	Water supply - 75mm pipe, laid on ground	300	m	100.75	30,225 0
J	Connection to tank systems	4	No	750.00	3,000 0
K	Pumps	4	No	5,000.00	20,000 0
L	Power / Fuel Consumption		Item		1,000 0
M	Flexible polypipe laid on ground	150	m	25.00	3,750 0
N	Take off points plumbed into line to connect sprinklers	4	No	100.00	400 0
P	Pole mounted rotary sprinkler	20	No	80.00	1,600 0
COST OF DEVELOPMENT OF PROPOSED RECYCLING DEPOT AT MINTO 7/1 APRIL 2020					To Collection \$ 119,950 0

	Description	Qty	Unit	Rate	\$
	<u>CRUSHER SHEDS - PLANT 'A'</u>				
	<u>SCREEN CRUSHER SHED / WORKSHOP BUILDING</u>				
A	<i>This is a concrete crushing plant that is currently working on another one of the sites.</i>		Note		
B	<i>8m high steel framed shed with metal deck roof, metal clad walls, complete with doors</i>	1,008	m2		INCL
C	<i>Extra for concrete slab on ground</i>	1,008	m2	150.00	151,200 0
D	<i>Extra for Staff toilets - portable building</i>	20	m2	750.00	15,000 0
E	<i>Extra for Staff Amenities - Portable building</i>	20	m2	750.00	15,000 0
F	<i>Extra for delivery & set up</i>		Item		1,000 0
G	<i>Extra for steps/ landing area</i>	36	m2	150.00	5,400 0
H	<i>Subtotal</i>				187,600 0
	<u>PRIMARY CRUSHER SHED</u>				
J	<i>10m high steel framed shed with metal deck roof, metal clad walls, complete with doors</i>	270	m2	212.80	57,456 0
K	<i>Extra for concrete slab on ground</i>	270	m2	52.00	14,040 0
L	<i>Subtotal</i>				71,496 0
	<u>SECONDARY CRUSHER SHED</u>				
M	<i>8m high steel framed shed with metal deck roof, metal clad walls, complete with doors</i>	547	m2	212.80	116,401 6
N	<i>Extra for concrete slab on ground</i>	547	m2	52.00	28,444 0
P	<i>Subtotal</i>				144,845 6
	<u>PICKING SHED</u>				
Q	<i>Steel framed shed with metal deck roof, metal clad walls, complete with doors</i>	25	m2	228.00	5,700 0
R	<i>Extra for concrete slab on ground</i>	25	m2	52.00	1,300 0

COST OF DEVELOPMENT OF
 PROPOSED RECYCLING DEPOT AT MINTO 8/1
 APRIL 2020

To Collection \$

410,941 6

[illegible]

	Description	Qty	Unit	Rate	\$
	<u>CRUSHING PLANTS & SCREENS - PLANT 'A'</u>				
	<u>CONE CRUSHER FOOTINGS</u>				
	<u>Refer to typical drawing 15479-S-004/A</u>				
A	Reinforced concrete foundation including reinforcement , formwork, excavation of equal depth, planking and strutting. :[1 No]	15	m3	544.46	8,166 9
B	50mm mass concrete blinding :[1 No]	2	m3	472.50	945 0
	<u>CRUSHER PLANT</u>				
	<u>Refer to typical drawings 18019--S-001/A, 18019--S-002/A, 18019--S-003/A</u>				
C	Reinforced concrete foundation including reinforcement, formwork, excavation of equal depth, planking and strutting. :[1 No]	23	m3	544.46	12,522 5
D	50mm mass concrete blinding :[1 No]	3	m3	472.50	1,417 5
E	Reinforced concrete columns including formwork and reinforcement :[6 No]	5	m3	1,318.70	6,593 5
	<u>SCREENS</u>				
F	Screw piles	8	No	2,920.67	23,365 3
G	Reinforced concrete foundation including reinforcement, formwork, excavation of equal depth, planking and strutting. :[2 No]	16	m3	544.46	8,711 3
H	50mm mass concrete blinding :[2 No]	2	m3	472.50	945 0
	<u>STEELWORK</u>				
J	Structural steelwork to new crushing plant		Item		5,850 0
	<u>CRUSHING PLANT</u>				
K	Removal and reinstatement - from alternative site	1,500	hrs	52.00	78,000 0
L	Electrical connections		Item		89,000 0
COST OF DEVELOPMENT OF PROPOSED RECYCLING DEPOT AT MINTO 9/1 APRIL 2020					To Collection \$ 235,517 2

Description	Qty	Unit	Rate	\$
SAND WASHING PLANT & SCREENS - PLANT 'B'				
SAND WASHING PLANT.				
<u>Footings</u>				
Installed this straight on the hard stand. It does not need any footings etc.		Note		
<u>Sand Washing Plant</u>				
Purchase - \$300,000		Item		300,000 0
Removal and transport		Item		178,000 0
Electrical connections		Item		44,500 0
COST OF DEVELOPMENT OF PROPOSED RECYCLING DEPOT AT MINTO 10/1		To Collection \$		522,500 0

Description		Qty	Unit	Rate	\$
<u>SERVICES</u>					
<u>POWER GENERATION</u>					
A	600kVa generator set, diesel powered, second hand	1	No	48,950.00	48,950 0
B	Fuel Consumption	12	weeks	465.00	5,580 0
<u>INCOMING ELECTRICAL</u>					
C	2000amp incoming electrical connection to grid		Item		250,000 0
<u>SEWER</u>					
D	Sewer pump out well, including pump :[weighbridge, staff amenities, workshop amenities]	3	No	7,500.00	22,500 0
<u>STORMWATER</u>					
E	225mm diam lines as shown; including excavation, backfill etc :[2 No]	103	m	125.00	12,875 0
F	900mm x 900mm stormwater pit complete with cover	2	No	3,500.00	7,000 0
G	Connection to existing headwall	2	No	500.00	1,000 0
<u>DRINKING WATER</u>					
H	25mm line from link road	305	m	18.00	5,490 0
J	Connection		Item		1,000 0
<u>TELEPHONES</u>					
K	Mobile phones - calls	12	weeks	150.00	1,800 0

COST OF DEVELOPMENT OF
 PROPOSED RECYCLING DEPOT AT MINTO 11/1
 APRIL 2020

To Collection \$

356,195 0

	Description	Qty	Unit	Rate	\$
	<u>WEIGHBRIDGE, WHEEL WASH, OFFICE, ETC</u>				
	<u>WEIGHBRIDGE STRUCTURE</u>				
A	Prefabricated weighbridge - purchase	2	No	30,000.00	60,000 0
B	Prefabricated weighbridge - structural works/ installation of bridge unit	2	No	25,000.00	50,000 0
C	Subtotal				110,000 0
	<u>WHEEL WASH STRUCTURE</u>				
D	Wheel wash - structural works, rumble strips etc	140	m2	300.00	42,000 0
	<u>OFFICE BUILDING</u>				
E	Portable steel framed shed with metal deck roof, metal clad walls, complete with doors, windows etc	35	m2	190.00	6,650 0
F	Extra for Staff toilet		Item		1,500 0
G	Extra for steps/ landing area		Item		750 0
H	Extra for delivery & set up		Item		1,000 0
J	Subtotal				9,900 0
	<u>BOLLARDS</u>				
K	DMR profile division bollards/ median barricade	25	m	315.00	7,875 0
COST OF DEVELOPMENT OF PROPOSED RECYCLING DEPOT AT MINTO 12/1 APRIL 2020					To Collection \$ 169,775 0

COST OF DEVELOPMENT OF
PROPOSED RECYCLING DEPOT AT MINTO 13/1
APRIL 2020

Description	Qty	Unit	Rate	\$
<u>GST - excluded</u> Amount from summary level.				
COST OF DEVELOPMENT OF PROPOSED RECYCLING DEPOT AT MINTO 14/1 APRIL 2020			To Collection \$	NIL

Description	Qty	Unit	Rate	\$
SUMMARY	Page No.			
DOCUMENTS USED	1/2			NIL
PRELIMINARIES & SITE PREPARATION	2/2			39,800 0
BULK EARTHWORKS	3/1			316,353 8
CAR PARK & ASSOCIATED RETAINING WALL ETC	4/2			82,477 6
SITE RETAINING WALL / FENCING	5/1			792,899 3
DRAINAGE/ STORMWATER COLLECTION	6/1			225,290 0
SPRINKLER SYSTEM	7/1			119,950 0
CRUSHER SHEDS - PLANT 'A'	8/2			415,941 6
CRUSHING PLANTS & SCREENS - PLANT 'A'	9/1			235,517 2
SAND WASHING PLANT & SCREENS - PLANT 'B'	10/1			522,500 0
SERVICES	11/1			356,195 0
WEIGHBRIDGE, WHEEL WASH, OFFICE, ETC	12/1			169,775 0
WORKSHOP	13/1			219,860 0
GST - excluded	14/1			NIL
TOTAL AMOUNT OF ESTIMATE				3,496,559 6
Note: This Bill of Quantities contains pages numbered 1/1 - 14/1				