

ATTACHMENTS

WORKS AND SERVICES
COMMITTEE MEETING

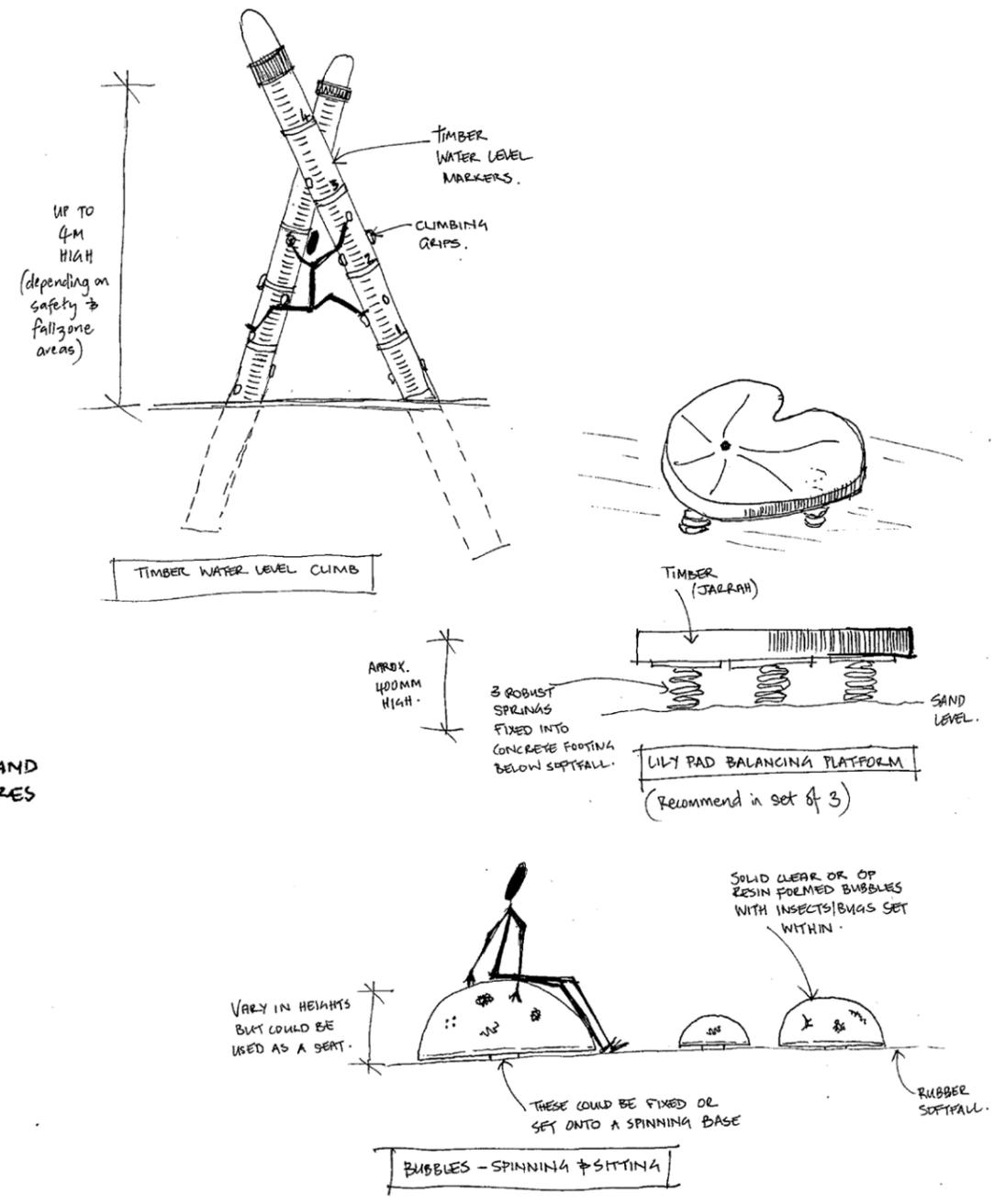
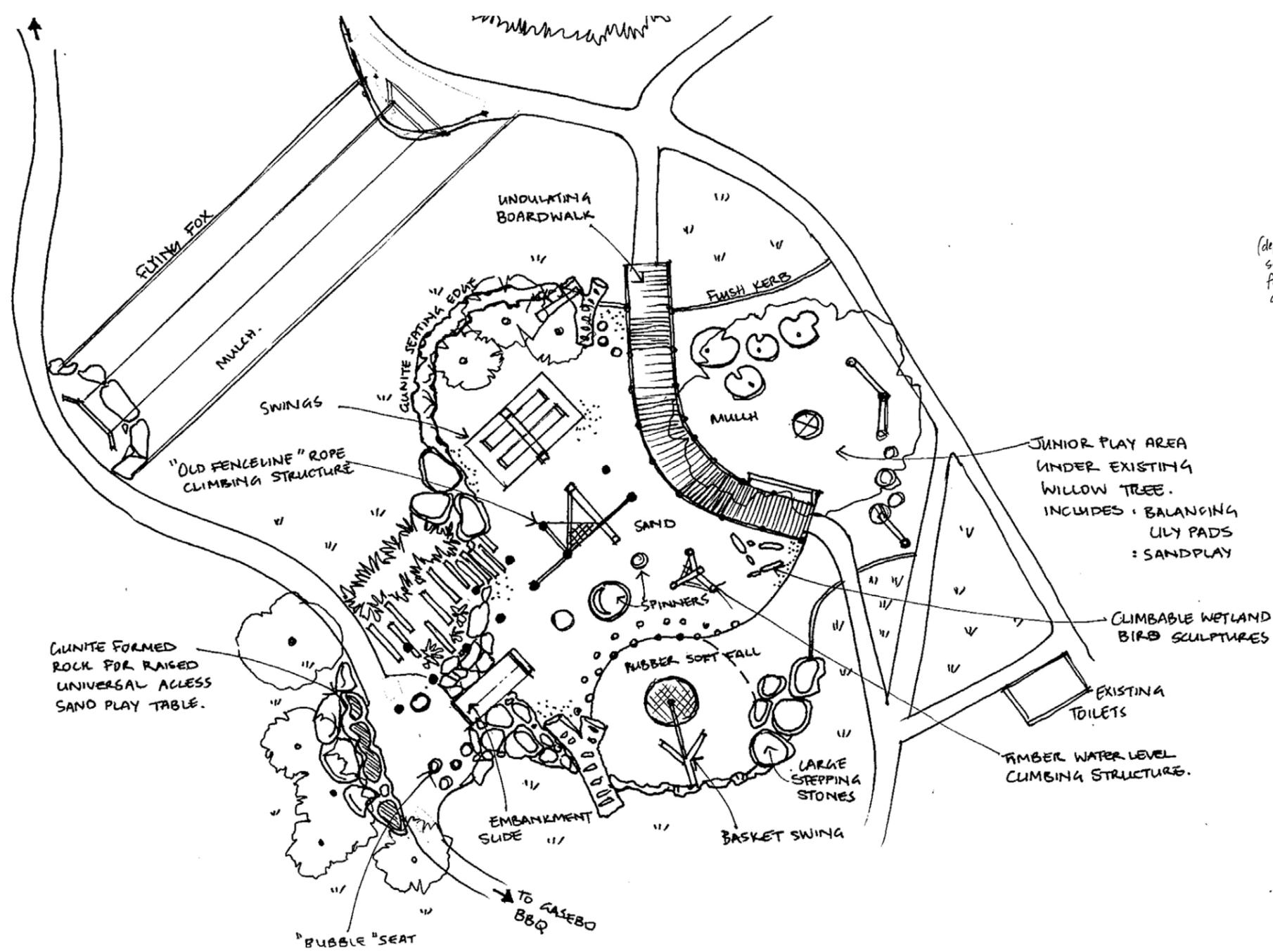
10 June 2015

5.30pm

City of Albany Council Chambers

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C	WS	Works and Services Committee	
	WS074	<ul style="list-style-type: none">• Eyre Park All Abilities Regional Play Space – preliminary concept design	1
		<ul style="list-style-type: none">• Eyre Park All Abilities Regional Play Space – Probable Costings	2



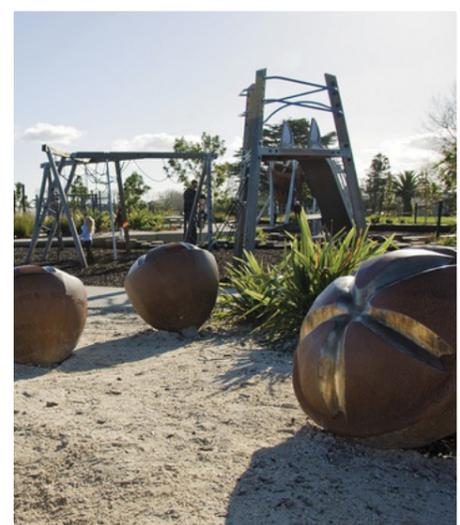
Embankment slide



Interactive artwork capturing the wetland theme



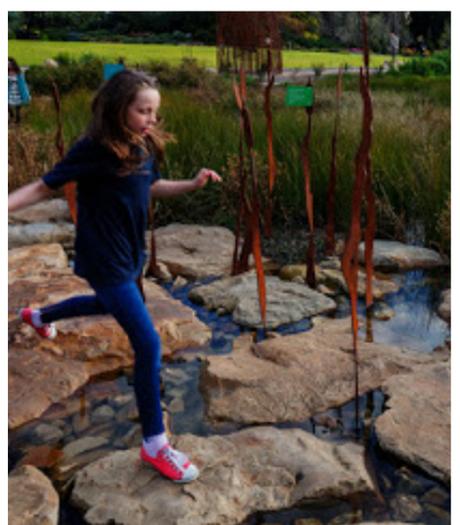
Habitat sculptures



Flat granite stepping stones



Habitat sculptures



Flat granite stepping stones

CITY OF ALBANY • EYRE PARK REGIONAL ALL ABILITIES PLAYGROUND

PRELIMINARY PLAN

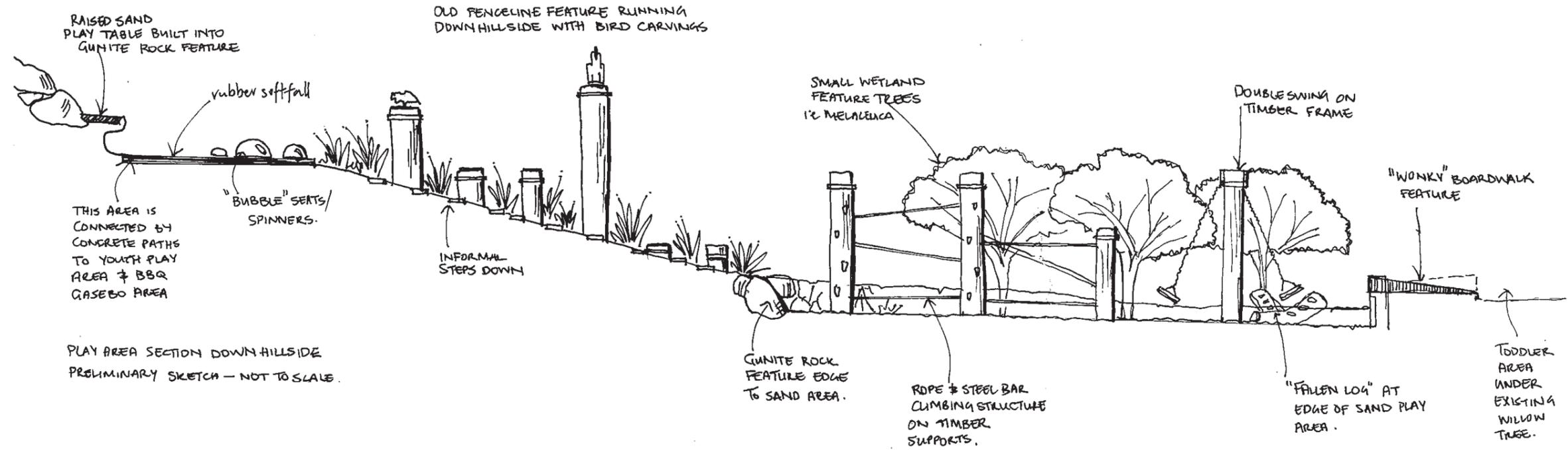
Project No. 1509 • Issue Date April 2015 • Designed/Checked by RR/MG • Drawing No. CP-01 • Page 1 of 2



NTS

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Possible inclusion of a Bird hide structure/lookout (not shown on plan)



Raised sand play table with natural rock surround



Timber climbing structure



Swing set using large timber supports



Spinner



Old Fence timber pole feature



Dead tree log climbing feature

CITY OF ALBANY • EYRE PARK REGIONAL ALL ABILITIES PLAYGROUND

PRELIMINARY IDEAS

Project No. 1509 • Issue Date April 2015 • Designed/Checked by RR/MG • Drawing No. CP-02 • Page 2 of 2

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City of Albany - Eyre Park Regional Playspace

Job number: 1509

Adelaide Cres, Albany, Western Australia



PRELIMINARY PRE-DOCUMENTATION COST ESTIMATE FOR LANDSCAPE CONSTRUCTION WORKS

Date issued: May 19 2015

OPINION OF PROBABLE COST										
ITEM	DESCRIPTION	STAGE 1 QTY	STAGE 2 QTY	UNIT	RATE (\$)	STAGE 1 PRICE (\$)	STAGE 2 PRICE (\$)	SUB TOTAL	CONTRACTOR'S MARK UP (15%)	TOTAL PRICE (\$)
1.00	SITE PRELIMINARIES, EARTHWORKS AND CLEARING (as required)									
1.01	Removal of existing playground equipment and associated guardrails, signage and fall zone surface treatments including disposal or relocation of equipment - <i>Undertaken by CoA</i>	1		item	\$0.00	\$0.00		\$0.00	\$0.00	\$0.00
1.02	1no. Tree removal - <i>Undertaken by CoA</i>	1		item	\$0.00	\$0.00		\$0.00	\$0.00	\$0.00
1.03	Turf Kill & removal - <i>Undertaken by CoA</i>	1		item	\$0.00	\$0.00		\$0.00	\$0.00	\$0.00
1.04	Fencing F & F2 - Temporary site protection fencing, 1800mm high (assume 8 week hire)	244	300	lin.m	\$8.00	\$1,952.00	\$2,400.00	\$4,352.00	\$652.80	\$5,004.80
1.05	Bulk Earthworks	500	50	m3	\$8.00	\$4,000.00	\$400.00	\$4,400.00	\$660.00	\$5,060.00
1.06	Final Grading	2,050	1,700	m2	\$3.00	\$6,150.00	\$5,100.00	\$11,250.00	\$1,687.50	\$12,937.50
1.07	Survey Setout	1	1	item	\$1,200.00	\$1,200.00	\$1,200.00	\$2,400.00	\$360.00	\$2,760.00
	SITE PRELIMINARIES, EARTHWORKS AND CLEARING TOTAL					\$13,302.00	\$9,100.00	\$22,402.00	\$3,360.30	\$25,762.30
2.00	HARD LANDSCAPE WORKS - Supply and Install									
2.01	Paving P1& P5 - Grey concrete, 100mm thick, broom finish (assume box out completed in 1.05)	122	424	m2	\$65.00	\$7,930.00	\$27,560.00	\$35,490.00	\$5,323.50	\$40,813.50
2.02	Paving P2 - Rubber Soft Fall not within fall zones, <i>Astro Synthetic Turf, TPV 20mm single density, on 75mm compacted crusher dust</i>		63	m2	\$179.96		\$11,337.70	\$11,337.70	\$1,700.66	\$13,038.36
2.03	Paving P3 & P6 - Rubber Soft Fall within fall zones, <i>Astro Synthetic Turf, TPV 40mm double density, on 75mm compacted crusher dust</i>	46	122	m2	\$300.79	\$13,836.52	\$36,696.87	\$50,533.39	\$7,580.01	\$58,113.40
2.04	Paving P4 - White wash play sand, 300mm deep with geotextile base	198	4	m3	\$78.00	\$15,444.00	\$312.00	\$15,756.00	\$2,363.40	\$18,119.40
2.05	Paving P7- 150mm thick pine bark mulch		465	m2	\$8.50		\$3,952.50	\$3,952.50	\$592.88	\$4,545.38
2.06	Paving - 75mm thick Jarrah saw dust (in area at top of slide/bird hide)	90		m2	\$8.00	\$720.00		\$720.00	\$108.00	\$828.00
2.06	Wall W1 - Gunite seating wall, 400mm wide, average 1m high on compacted sub base	48		lin.m	\$250.00	\$12,000.00		\$12,000.00	\$1,800.00	\$13,800.00
2.07	Wall W2 - Granite Spawl - stacked / mortared 150x150x150mm rock pitching wall 500mm wide, 900mm high, to conceal gap underneath timber bridge	18		lin.m	\$150.00	\$2,700.00		\$2,700.00	\$405.00	\$3,105.00
2.08	Wall W3 - Limestone block wall 350mm wide, 700mm high (double course) between sand pit and concrete path.	53		lin.m	\$120.00	\$6,360.00		\$6,360.00	\$954.00	\$7,314.00
2.09	Wall W4 - Limestone block wall 350mm wide, 700mm high (double course) on in youth area with steel (Guragal) 50mm equal angle on inside edge (for skateboarding .		20	lin.m	\$140.00		\$2,800.00	\$2,800.00	\$420.00	\$3,220.00
2.10	Kerb K1 - Flush concrete garden kerb edging, 150mm x 150mm deep	23		lin.m	\$30.00	\$690.00		\$690.00	\$103.50	\$793.50

OPINION OF PROBABLE COST

ITEM	DESCRIPTION	STAGE 1 QTY	STAGE 2 QTY	UNIT	RATE (\$)	STAGE 1 PRICE (\$)	STAGE 2 PRICE (\$)	SUB TOTAL	CONTRACTOR'S MARK UP (15%)	TOTAL PRICE (\$)
2.11	Kerb K2 - Concrete kerb edging to play mulch. 150mm x 200mm deep		91	lin.m	\$40.00		\$3,640.00	\$3,640.00	\$546.00	\$4,186.00
2.12	Stonework - Granite spawl pitching >600mm high	86	10	m2	\$172.00	\$14,757.60	\$1,720.00	\$16,477.60	\$2,471.64	\$18,949.24
2.13	Seat - <i>Exteria Vasse Bench Seat</i>		1	item	\$950.00		\$950.00	\$950.00	\$142.50	\$1,092.50
2.14	Seat - Relocate Existing Bench Seats	3		item	\$200.00	\$600.00		\$600.00	\$90.00	\$690.00
2.15	Play Item/Stonework - Gunite universal access raised sand play table with three large bowls, 1m deep x 8m wide x 800mm high		1	item	\$10,000.00		\$10,000.00	\$10,000.00	\$1,500.00	\$11,500.00
2.16	Play Item E1 - Small Rubber Bubbles - <i>Playscape Creations Classic Rubber Dome 600mm diameter x 300mm high</i>		2	item	\$1,141.00		\$2,282.00	\$2,282.00	\$342.30	\$2,624.30
2.17	Play Item E1 - Large Rubber Bubbles - <i>Playscape Creations Classic Rubber Dome 1000mm diameter x 500mm high</i>		1	item	\$1,455.00		\$1,455.00	\$1,455.00	\$218.25	\$1,673.25
2.18	Play Item E2 - Spinner, <i>Proludic IP20 Infinity Bowl</i>		1	item	\$5,000.00		\$5,000.00	\$5,000.00	\$750.00	\$5,750.00
2.19	Play Item E3 - Custom Bird Hide Structure, 2x2m wide enclosed structure, raised 2m above ground level on 4 electricity poles with vertical ladder entrance and corrugated iron roof		1	item	\$30,000.00		\$30,000.00	\$30,000.00	\$4,500.00	\$34,500.00
2.20	Play Item E3 continued - 4m Fireman's Pole, attached to bird hide structure, <i>Forpark Fire Pole including hand grips A0237-G-UX</i>		1	item	\$500.00		\$500.00	\$500.00	\$75.00	\$575.00
2.21	Play Item E4 - Music Story Ball, <i>Proludic IP500</i>			item	\$11,307.00					
2.22	Feature Item 'P' - 'Old Fence' hardwood timber electricity poles - free standing at various heights. Metal band at top of each pole	7		per pole	\$300.00	\$2,100.00		\$2,100.00	\$315.00	\$2,415.00
2.23	Feature Item 'SP' - 'Old Fence' hardwood timber electricity poles with additional bird carvings - free standing at various heights. Metal band at top of each pole	2		item	\$1,000.00	\$2,000.00		\$2,000.00	\$300.00	\$2,300.00
2.24	2000mm Concrete Wheel Stops (to act as steppers)	9		item	\$180.00	\$1,620.00		\$1,620.00	\$243.00	\$1,863.00
2.25	Play Item E5 - Fibreglass Embankment Slide, 2100mm high, <i>Kings Fibreglass Colour: 17 - Dark Green</i> , includes 1500X400mm carved log stepper platform, 2 2000x100x100mm jarrah posts with handles	1		item	\$3,100.00	\$3,100.00		\$3,100.00	\$465.00	\$3,565.00
2.26	Slide - Grab handles x 2 and cross bar CHS. Attached to 2x timber posts 90x90mm	1		item	\$200.00	\$200.00		\$200.00	\$30.00	\$230.00
2.27	Play Item E6 - Custom Log Rocker. 2 springs with hardwood timber balance log. (Playdale Direct 2m wobble board with custom timber plank on top)	1		item	\$4,000.00	\$4,000.00		\$4,000.00	\$600.00	\$4,600.00
2.28	Play Item E7 - Round-a-bout, reinstall existing on site	1		item	\$600.00	\$600.00		\$600.00	\$90.00	\$690.00
2.29	Play Item E8 - Multidirectional Bird's nest Swing, <i>Forpark Tornado Swing SW56</i>	1		item	\$9,002.00	\$9,002.00		\$9,002.00	\$1,350.30	\$10,352.30
2.30	Play Item E9 - Chime Quartet, <i>Proludic IP413</i>	1		item	\$2,953.00	\$2,953.00		\$2,953.00	\$442.95	\$3,395.95
2.31	Play Item E10 - Custom Double Swing frame - treated hardwood timber posts	1		item	\$3,000.00	\$3,000.00		\$3,000.00	\$450.00	\$3,450.00
2.32	Play Item E10 continued - Swing Seat, <i>Forpark Strap Seat SW08</i> , inc. chains and attachments	2		item	\$150.00	\$300.00		\$300.00	\$45.00	\$345.00
2.33	Play Item/Stonework - Flat gunite surface, 200mm above sand level, with 3 gunite sand mixing bowls, average 1200mm diameter x 150mm deep	26		m2	\$250.00	\$6,500.00		\$6,500.00	\$975.00	\$7,475.00
2.34	Play Item/Stonework 'B' - 3 Large Granite Boulders embedded into gunite surface around gunite mixing bowls	3		item	\$500.00	\$1,500.00		\$1,500.00	\$225.00	\$1,725.00
2.35	Play Item E11 - Custom Backhoe (Sand play item)	1		item	\$5,000.00	\$5,000.00		\$5,000.00	\$750.00	\$5,750.00
2.36	Play Item E12 - Custom 'Water Level' Climbing Posts - 2 x 4m long, crossed timber poles, with branded number lines and carved with foot holds		1	item	\$3,000.00		\$3,000.00	\$3,000.00	\$450.00	\$3,450.00

OPINION OF PROBABLE COST

ITEM	DESCRIPTION	STAGE 1 QTY	STAGE 2 QTY	UNIT	RATE (\$)	STAGE 1 PRICE (\$)	STAGE 2 PRICE (\$)	SUB TOTAL	CONTRACTOR'S MARK UP (15%)	TOTAL PRICE (\$)
2.37	Play Item E13 - Custom Main Climbing Structure - 6 timber hardwood electricity poles, 3m high at 4m intervals, with various rope features hung inbetween	1		item	\$25,000.00	\$25,000.00		\$25,000.00	\$3,750.00	\$28,750.00
2.38	Play Item E14 - Custom Secondary Climbing Structure - 3 timber hardwood electricity poles, 2 x 3m high, 1 x 2m high, at 4m intervals, with various rope features hung inbetween		1	item	\$20,000.00		\$20,000.00	\$20,000.00	\$3,000.00	\$23,000.00
2.39	Play Item E13 & E14 continued - Climbing Grips, for use on 4 poles within the main and secondary climbing structures, plus 1 free standing 'Old Fence' pole	60		item	\$6.00	\$360.00		\$360.00	\$54.00	\$414.00
2.40	Play Item E15 - Snake Swing, <i>Playground Centre, Eibe Paradico Snake Swing 54518205300</i>	1		item	\$22,723.00	\$22,723.00		\$22,723.00	\$3,408.45	\$26,131.45
2.41	Play Item - Custom made 'Wonky Boardwalk' - 200mm wide hardwood timber boardwalk which undulates in multiple directions, includes 7 x timber hardwood electricity poles at various heights and 1 x electricity pole with a bird carving	20		lm	\$1,900.00	\$38,000.00		\$38,000.00	\$5,700.00	\$43,700.00
2.42	Play Item E16 - Music Drums, <i>Kim Bowman Gong</i>		1	item	\$6,500.00		\$6,500.00	\$6,500.00	\$975.00	\$7,475.00
2.43	Play Item E17 - Flying Fox, <i>Forpark Double Flying Fox 30m (one with accessible seat)</i>		1	item	\$22,711.00		\$22,711.00	\$22,711.00	\$3,406.65	\$26,117.65
2.44	Play Item - 2.2m high limestone block wall (350mm wide) with 1.8m x 1.2m 'hole' for soccer goal. 6m long in youth play area. *Contractor to provide engineering approval		1	item	\$4,000.00		\$4,000.00	\$4,000.00	\$600.00	\$4,600.00
2.45	Play Item cont. - Hand grips (for wall in youth play area)		20	item	\$6.00		\$120.00	\$120.00	\$18.00	\$138.00
2.46	Play Item - Timber Log - 3000x400mm diameter, Jarrah, forked, horizontal, debarked, oiled (bench seating log near slide) <i>CoA to source logs</i>	1		item	\$800.00	\$800.00		\$800.00	\$120.00	\$920.00
2.47	Play Item - Timber Log - 5000x400mm diameter, Jarrah, forked, horizontal, debarked, oiled (near drain pipe) <i>CoA to source logs</i>	1		item	\$850.00	\$850.00		\$850.00	\$127.50	\$977.50
2.48	Play Item - Timber Log - 2000x450mm, Jarrah, forked, horizontal, debarked, oiled with carved steps. (slide) <i>CoA to source logs</i>	1		item	\$800.00	\$800.00		\$800.00	\$120.00	\$920.00
2.49	Play Item - Timber Log - 2000x450mm, Jarrah, forked, horizontal, debarked, oiled with carved steps holds. <i>CoA to source logs</i>	2		item	\$800.00	\$1,600.00		\$1,600.00	\$240.00	\$1,840.00
2.50	Play Item - Timber Log - nominal 500x400mm, Jarrah, forked, horizontal, debarked, oiled, <i>CoA to source logs</i>		6	item	\$600.00		\$3,600.00	\$3,600.00	\$540.00	\$4,140.00
2.51	Play Item 'S' - Timber Stepping Stumps - Jarrah, vertical, debarked, oiled, <i>CoA to source logs</i>	6	13	item	\$100.00	\$600.00	\$1,300.00	\$1,900.00	\$285.00	\$2,185.00
2.52	Artist Item - Large Climbable Wetland Bird Sculptures - to be detailed by artist	1		item	\$8,000.00	\$8,000.00		\$8,000.00	\$1,200.00	\$9,200.00
2.53	Artist Item - Small Wetland Bird Sculptures - to be detailed by artist		1	item	\$4,000.00		\$4,000.00	\$4,000.00	\$600.00	\$4,600.00
2.54	Artist Item - Wetland Reeds - Curved Galv CHS poles in concrete footings	14		item	\$400.00	\$5,600.00		\$5,600.00	\$840.00	\$6,440.00
2.55	HARD LANDSCAPE WORKS TOTAL					\$221,246.12	\$203,437.07	\$424,683.19	\$63,702.48	\$488,385.67
3.00	SOFT LANDSCAPE WORKS - Supply and Install									
3.01	Soil preparation - soil conditioner for all turf and shrub planting areas, 50mm deep mixed into the top 200mm	1,048	442	m2	\$8.00	\$8,384.00	\$3,536.00	\$11,920.00	\$1,788.00	\$13,708.00
3.02	Paving P7 - Second grind native mulch within garden beds, 75mm deep	138	108	m2	\$7.50	\$1,035.00	\$810.00	\$1,845.00	\$276.75	\$2,121.75
3.03	Paving P8 - Pine Bark Soft Fall Mulch not within fall zones, 100mm deep		343	m2	\$18.00		\$6,174.00	\$6,174.00	\$926.10	\$7,100.10
3.04	Paving P9 - Pine Bark Soft Fall Mulch within fall zones, 300mm deep		168	m2	\$25.00		\$4,200.00	\$4,200.00	\$630.00	\$4,830.00

OPINION OF PROBABLE COST

ITEM	DESCRIPTION	STAGE 1 QTY	STAGE 2 QTY	UNIT	RATE (\$)	STAGE 1 PRICE (\$)	STAGE 2 PRICE (\$)	SUB TOTAL	CONTRACTOR'S MARK UP (15%)	TOTAL PRICE (\$)
3.05	Planting - 100L trees to include initial watering in and fertiliser	17		100 Litre	\$250.00	\$4,250.00		\$4,250.00	\$637.50	\$4,887.50
3.06	Planting - tree stakes x 2	34		no.	\$8.64	\$293.76		\$293.76	\$44.06	\$337.82
3.07	Planting - shrubs, planted at 4 plants per m2. Include initial watering in and fertiliser	257		140mm	\$15.00	\$3,855.00		\$3,855.00	\$578.25	\$4,433.25
3.08	Roll on Turf	961	437	m2	\$10.50	\$10,090.50	\$4,588.50	\$14,679.00	\$2,201.85	\$16,880.85
SOFT LANDSCAPE WORKS TOTAL						\$27,908.26	\$19,308.50	\$47,216.76	\$7,082.51	\$54,299.27

Assumption Notes:

1. Irrigation and lighting modifications to be undertaken by City of Albany maintenance staff.
2. Items highlighted in yellow are potential add value items that will not impact the design intent if they are to be eliminated from the design due to budget limitations

NET LANDSCAPE WORKS SUB-TOTAL	\$301,824.84	\$266,622.40	\$74,145.29	\$568,447.25
TOTAL PLUS 5% CONTINGENCY				\$28,422.36
Sub Total				\$596,869.61
GST				\$59,686.96
TOTAL INCLUDING GST				\$656,556.57