

**Bass Coast Dinosaurs
Trail - Inverloch
Dinosaur Hunter
Playground
A - Schematic Design
Cost Plan - Rev1**

15 August 2023

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PROJECT SUMMARY



Project: BASS COAST DINOSAURS TRAIL

Cost Plan: A - INVERLOCH DINOSAUR HUNTER PLAYGROUND CP - REV1

No.	Item Description	Proj Cost %	Quantity	Rate	Total
1	NOTES AND EXCLUSIONS	0.00			0
2	INVERLOCH DINOSAUR HUNTERS PLAYGROUND	74.28	5,301	679.42	3,601,336
3	ESCALATION TO TENDER	5.16	5,301	47.16	250,000
4	ESCALATION DURING CONSTRUCTION	3.20	5,301	29.24	155,000
	ESTIMATED CONSTRUCTION TENDER		5,301	755.83	4,006,336
5	CONSTRUCTION CONTINGENCY	8.28	10.00		401,000
	ESTIMATED TOTAL CONSTRUCTION COST		5,301	831.48	4,407,336
6	OTHER PROJECT COSTS	9.10	5,301	83.20	441,000
	ESTIMATED TOTAL PROJECT COST		5,301	914.68	4,848,336
GFA: 0.00 m2			100		4,848,336

DETAILED COST PLAN



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No.	Item Description	Quantity	Unit	Rate	Total
NOTES AND EXCLUSIONS					
<u>NOTES</u>					
NOTES					
Generally					
1	Assumes a competitive tender process to four or more appropriately sized and interested contractors under an industry standard lump sum contract		note		
2	This cost plan includes services estimates provided by Wilde and Woollard. Wilde and Woollard are not specialised in services design and estimating thus we recommend all figures are confirmed by a specialist services consultant		note		
3	Where pricing for artwork installations, digital installation, sculptures, etc. has been provided, Wilde and Woollard have incorporated these amounts into our cost plans		note		
4	No detailed drawings provided for play equipment		note		
This cost plan has been based on the following documentation:-					
Architectural					
5	Orchard Design Concept Design Draft Issue documentation and drawings received 23 June 2023		note		
6	Information as advised by Orchard Design email dated 29 June 2023		note		
7	Client's email received 22 June 2023		note		
8	Client's technical estimate excel received 22 June 2023		note		
<u>NOTES TOTAL</u>					0
<u>EXCLUSIONS</u>					
EXCLUSIONS					
The following has been excluded from this cost plan:-					
9	PHORIA technology spine infrastructure, refer separate cost plan		note		
10	Removal and replacement of hazardous materials including asbestos and contaminated soil		note		
11	Excavation, removal and replacement of rock, building rubble, inground structures etc.		note		
12	Excavation, removal and replacement of soft spots		note		
13	Upgrading or diversion of existing services other than services identified on drawings		note		
14	Site infrastructure works beyond the site boundary not indicated		note		
15	Irrigation		note		

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No.	Item Description	Quantity	Unit	Rate	Total
NOTES AND EXCLUSIONS					<i>(Continued)</i>
<u>EXCLUSIONS</u>					<i>(Continued)</i>
16	Cost escalation beyond a May 2024 tender with a 12 month construction period		note		
17	Authorities fees and headworks charges		note		
18	Out of hours work		note		
19	Goods and services tax (GST)		note		
<u>EXCLUSIONS TOTAL</u>					<u>0</u>
<u>AREAS</u>					
AREAS					
20	Site Area	5,301	m2		
<u>AREAS TOTAL</u>					<u>0</u>
NOTES AND EXCLUSIONS TOTAL					<u>0</u>

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No.	Item Description	Quantity	Unit	Rate	Total
INVERLOCH DINOSAUR HUNTERS PLAYGROUND					
XP	<u>32 SITE PREPARATION</u>				
SITE DEMOLITION					
21	Demolition estimate suggested by Orchard Design, information received on 23rd June 2023 - Existing conditions plan not provided		note		
22	Allow for the demolition of redundant items from existing play space and site (Provisional sum)	1	item	155,400.00	155,400
SITE PREPARATION AND EARTHWORKS					
23	Allow for area clearance in preparation for new works	5,301	m2	3.00	15,903
24	Allow for minor earthworks (cut, fill and/or level)	5,301	m2	2.00	10,602
25	Trimming, grading and proof rolling earthwork areas	5,301	m2	1.00	5,301
<u>32 SITE PREPARATION TOTAL</u>					<u>187,206</u>
XR	<u>33 ROADS, FOOTPATHS AND PAVED AREAS</u>				
EXISTING TIMBER PATH					
26	Allow for making good of existing timber path and stairs	1	item	2,000.00	2,000
CONCRETE PAVING					
27	Feature aggregate concrete pavements	589	m2	200.00	117,800
28	Extra over for fossils and treasures in pavement (provisional sum)	1	item	3,000.00	3,000
29	Extra over for different coloured concrete to fragment pavement in entry	1	item	13,000.00	13,000
GRAVEL PAVING					
30	Gravel pavement	116	m2	90.00	10,440
RUBBER SOFT FALL PAVING					
31	Rubber soft fall pavement	192	m2	420.00	80,640
MASONRY PAVING					
32	Rock hop path	26	m2	480.00	12,480
33	Flat rock steps	57	m2	700.00	39,900
34	Terraced mix of textured concrete and stone paving	70	m2	600.00	42,000
35	Allow for stepping stone on concrete haunch	5	m2	550.00	2,750
Timber Boardwalk					
36	Timber boardwalk including support structure and kickrail	195	m2	800.00	156,000
MESH WALKWAY					
37	Steel mesh walkway including support frame	61	m2	750.00	45,750
SUNDRIES					
38	Allow for sundries to surface finishes around perimeters, interfaces, etc.	1	item	5,000.00	5,000

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No.	Item Description	Quantity	Unit	Rate	Total
INVERLOCH DINOSAUR HUNTERS PLAYGROUND					<i>(Continued)</i>
<u>XR</u>	<u>33 ROADS, FOOTPATHS AND PAVED AREAS</u>				<i>(Continued)</i>
	<u>33 ROADS, FOOTPATHS AND PAVED AREAS</u>				<u>530,760</u>
	<u>TOTAL</u>				
<u>XN</u>	<u>34 BOUNDARY WALLS, FENCING AND GATES</u>				
	RAMMED EARTH WALL				
39	Feature curved rammed earth wall in entry	147	m2	1,200.00	176,400
40	Extra over for clues and fossils embeded in rammed earth wall	1	item	5,000.00	5,000
	Concrete Wall				
41	Curved in-situ concrete dividing wall with vertical corrugated iron texture	304	m2	1,100.00	334,400
42	Extra over for peep hole to insitu concrete walls	1	item	1,000.00	1,000
	<u>34 BOUNDARY WALLS, FENCING AND GATES</u>				<u>516,800</u>
	<u>TOTAL</u>				
<u>XL</u>	<u>36 LANDSCAPING AND IMPROVEMENTS</u>				
	SOFT LANDSCAPING				
43	Allow for making good of existing lawn	1	item	8,400.00	8,400
44	Garden bed including cultivation, top soil, mulch and planting	882	m2	130.00	114,660
45	Allow for soft fall mulch to existing topsoil	1,490	m2	25.00	37,250
	Trees				
46	Allow for existing tree protection	1	item	10,000.00	10,000
	Maintenance				
47	Allow for maintenance as specified	8	week s	2,880.00	23,040
	EXTERNAL FEATURES, FURNITURE AND PLAYGROUND EQUIPMENT				
48	Tectonic place balance play element (provisional sum)	1	no	100,000.00	100,000
	Fern Gully				
49	550 Wide suspended rope crawl tunnel including support structure	8	m	2,000.00	16,000
50	Sculptural hero dinosaur	3	no	25,000.00	75,000
51	Sculptural concrete fern frond (assume 5m high)	28	no	15,000.00	420,000
	Flatrocks - Waterplay				
52	Fractured and terraced rock to waterplay	28	no	800.00	22,400
53	Water tap	2	no	3,000.00	6,000
54	Water course	56	m	300.00	16,800
55	900 Dia water course pit	2	no	500.00	1,000

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No.	Item Description	Quantity	Unit	Rate	Total
INVERLOCH DINOSAUR HUNTERS PLAYGROUND					(Continued)
XL	36 LANDSCAPING AND IMPROVEMENTS				(Continued)
56	900 Dia spiral water course drainage	1	no	2,500.00	2,500
57	Dinosaur bones treasure to waterplay	2	no	1,000.00	2,000
58	Sand pit including sand tube, retaining substructure, edging and drainage	33	m2	450.00	14,850
The Grotto Scuffle					
59	Allow for Grotto including sculptural dinosaur bones, dirt pavement and structural framing	27	m2	2,650.00	71,550
60	Dinosaur pool	1	no	1,500.00	1,500
Time Tunnel					
61	Allow for Time Tunnel including tunnel structure	57	m2	2,000.00	114,000
62	Allow for timber sleeper on ground	1	item	3,000.00	3,000
63	Allow for looking glass portals, feature puzzles and sundry decorations	1	item	10,000.00	10,000
Fossil Scramble					
64	Giant climbing boulders	16	no	2,000.00	32,000
65	Allow for hidden fossils	1	item	1,000.00	1,000
66	Allow for play equipment including balance on ropes, scale across ladders, hop on wobbly rocks and balance on beams	1	item	100,000.00	100,000
HQ					
67	Climbing net to HQ	8	m2	800.00	6,400
68	Timber ramp to HQ	48	m2	650.00	31,200
69	Dinosaur ladder to HQ	4	m	1,000.00	4,000
70	Allow for Hour glass net play equipment	1	item	150,000.00	150,000
71	Allow for climbing and explorative play equipment	1	item	50,000.00	50,000
72	Allow for existing tree trunk with mixing bowls, fossil charts and site map	1	item	5,000.00	5,000
73	Talking tubes	1	no	5,000.00	5,000
74	Bucket pulley system	1	no	5,000.00	5,000
75	Hammock	3	no	5,000.00	15,000
76	Dino-inspired sound play instrument	3	no	5,000.00	15,000
77	800 Wide slide	19	m	1,000.00	19,000
Dino Maze					
78	Allow for dinosaur maze	1	item	20,000.00	20,000
79	Maze trunk of palm trees	26	no	600.00	15,600
Giant Sculptural Feather					

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No.	Item Description	Quantity	Unit	Rate	Total
INVERLOCH DINOSAUR HUNTERS PLAYGROUND					<i>(Continued)</i>
<u>XL</u>	<u>36 LANDSCAPING AND IMPROVEMENTS</u>				<i>(Continued)</i>
80	Allow for giant sculptural feather including climbing structure and kinetic feathers	1	item	150,000.00	150,000
81	Three seats giant swing	1	no	12,000.00	12,000
82	360 Degree basket swing	1	no	16,500.00	16,500
83	Trampolines	3	no	4,500.00	13,500
SUNDRIES					
Sculpture					
84	Sculptural ginkgo leaves shelter	9	no	15,000.00	135,000
Fossil					
85	Feature fossils in different shapes (Feather, flower, fronds, etc.)	25	no	350.00	8,750
Rocks					
86	Allow for rocks/ rock seats	65	no	300.00	19,500
Table and Seating					
87	Mix of concrete and rock seating to Forecourt	17	m2	700.00	11,900
88	Cape paterson claw formed seat	11	m2	1,500.00	16,500
89	Allow for small timber table	7	no	1,500.00	10,500
Bike Hoop					
90	Allow for stainless steel bike hoops	3	no	750.00	2,250
Signage					
91	Allow for signage (provisional sum)	1	item	10,000.00	10,000
<u>36 LANDSCAPING AND IMPROVEMENTS TOTAL</u>					<u>1,950,550</u>
<u>XK</u>	<u>37 EXTERNAL STORMWATER DRAINAGE</u>				
EXTERNAL STORMWATER DRAINAGE SERVICES					
92	Allow for external stormwater drainage services including connection to existing	5,301	m2	20.00	106,020
<u>37 EXTERNAL STORMWATER DRAINAGE TOTAL</u>					<u>106,020</u>
<u>XW</u>	<u>39 EXTERNAL WATER SUPPLY</u>				
HYDRAULIC SERVICES					
93	Allow for cold water supply and connection to existing including valves	1	item	10,000.00	10,000
<u>39 EXTERNAL WATER SUPPLY TOTAL</u>					<u>10,000</u>
<u>YY</u>	<u>46 SPECIAL PROVISIONS</u>				
TECHNOLOGY INTEGRATION					

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No.	Item Description	Quantity	Unit	Rate	Total
INVERLOCH DINOSAUR HUNTERS PLAYGROUND					<i>(Continued)</i>
YY	46 SPECIAL PROVISIONS				<i>(Continued)</i>
94	Technology integration estimate based on Cost Estimate Dinosaur Hunter's Playspace (Wyeth McNamara Rainbow Park, Inverloch) received on 23rd June 2023		note		
95	Lighting	1	item	50,000.00	50,000
96	AR viewer hardware	1	item	50,000.00	Excluded
97	Design and programming of AR viewers	1	item	50,000.00	Excluded
98	Reactive environment hardware (solar panels, networking cabling, site server, infrared sensors)	1	item	135,000.00	Excluded
99	Design and programming of reactive environment	1	item	50,000.00	Excluded
100	Physical response features including rocks and fossils	1	item	40,000.00	Excluded
46 SPECIAL PROVISIONS TOTAL					50,000
PR	00 PRELIMINARIES				
PRELIMINARIES					
101	Allow for builder's preliminaries	1	item	170,000.00	170,000
00 PRELIMINARIES TOTAL					170,000
YY	46 DESIGN CONTINGENCY				
DESIGN CONTINGENCY					
102	Allow for design contingency	1	item	80,000.00	80,000
46 DESIGN CONTINGENCY TOTAL					80,000
INVERLOCH DINOSAUR HUNTERS PLAYGROUND TOTAL					3,601,336

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No.	Item Description	Quantity	Unit	Rate	Total
ESCALATION TO TENDER					
YY	46 SPECIAL PROVISIONS				
	ESCALATION TO TENDER				
103	Allow for cost escalation to Tender by May 2024	1	item	250,000.00	250,000
	46 SPECIAL PROVISIONS TOTAL				250,000
	ESCALATION TO TENDER TOTAL				250,000

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No.	Item Description	Quantity	Unit	Rate	Total
ESCALATION DURING CONSTRUCTION					
YY	46 SPECIAL PROVISIONS				
	ESCALATION DURING CONSTRUCTION				
104	Allow for cost escalation during Construction (say 12 months)	1	item	155,000.00	155,000
	46 SPECIAL PROVISIONS TOTAL				155,000
	ESCALATION DURING CONSTRUCTION TOTAL				155,000

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No.	Item Description	Quantity	Unit	Rate	Total
CONSTRUCTION CONTINGENCY					
YY	46 SPECIAL PROVISIONS				
	CONSTRUCTION CONTINGENCY				
105	Allow for construction contingency (10%)	1	item		401,000
	46 SPECIAL PROVISIONS TOTAL				401,000
	CONSTRUCTION CONTINGENCY TOTAL				401,000

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No.	Item Description	Quantity	Unit	Rate	Total
OTHER PROJECT COSTS					
YY	OTHER PROJECT COSTS				
PROFESSIONAL FEES					
106	Allow for Professional Fees (10%)	1	item	441,000	441,000
SIGNAGE					
107	Allow for way-finding signage	1	item		Excluded
AUTHORITIES FEES					
108	Allow for authorities fees and charges	1	item		Excluded
INSURANCES					
109	Allow for insurances	1	item		Excluded
PROJECT CONTINGENCY					
110	Allow for client's project contingency	1	item		Excluded
OTHER PROJECT COSTS TOTAL					441,000
OTHER PROJECT COSTS TOTAL					441,000