

Project: Constellation Park Playspace

Concept Level Estimate

Option No:

Option Description:

Date of Estimate: 10/10/2017

Revision No:

Estimate Prepared by: Jessie Lim

Estimate Reviewed by:

Scope of Estimate

Stage 1 - New playground surround with concrete pathway c/w timber decking, seating and new playground equipment

Stage 2a - New 1.8m wide concrete pathway joins to existing pathway - assume 167m²

Stage 2b - New 1.8m wide concrete pathway joins to existing pathway - assume 150m²

Inputs to Estimate

Concept Design Rev C & cost estimate prepared by Reset Urban Design

Assumptions made in the Estimate

Assume cut & fill excavation and respread excavated materials within site with no allowance for disposal & tipping of excavated waste off site

Exclusions to the Estimate

Removal of existing trees

Treatment & disposal of contamination soils if any

Replacement &/or repair works to existing concrete pathways

Consultant Design Fees

Authority & Consenting Fees

Engagement Fees with Iwi etc

Escalation Cost - assume construction work in 2017

Item	Description	Unit	Quantity	Rate	Total
Physical Works Estimate - Stage 1					
1.0	On-Site P&G				
1.1	Site establishment & dis-establishment, site supervision & management, temp safety fencing & barriers, traffic management, sediment control, survey and setting out, signage, rubbish disposal & final cleaning, insurances, maintenance and operational manuals, as-built drawings and warranties etc	LS	1	16,500.00	16,500.00
	Sub-Total:				16,500.00
2.0	Demolition & Excavation				

Item	Description	Unit	Quantity	Rate	Total
2.2	Strip topsoil and carry out general excavation to formation of subgrade levels. Cut & fill to required levels for the play area & pathway and stockpile top soil &/or excavated materials for reuse &/or respread on existing site	m2	460	25.00	11,500.00
	Sub-Total:				11,500.00
3.0 Surfacing & Drainage					
3.1	New 100mm 20Mpa Concrete paving incl 150mm GP40 basecourse & reinforcing mesh (new pathway around perimeter of playground only)	m2	90	130.00	11,700.00
3.2	Allow for joining new concrete pathway to adjacent existing pathway around perimeter of playground including all making good	LS	1	1,000.00	1,000.00
3.3	Timber decking not exceeding 1m high - allow 16m2	m2	16	450.00	7,200.00
3.4	Cushionfall safety surface, installed 350mm for settled depth of 300mm c/w 80mm basecourse and fabric cover	m2	270	60.00	16,200.00
3.5	Scuff mats - allow size 1.5m x 1m each	No	3	200.00	600.00
3.6	Wetpour rubber surfacing	m2	100	300.00	30,000.00
3.7	Supply and install 110mm diameter Perforated Novacoil Drainage wrapped with filter fabric sock. Incl excavation of trench, backfill with scoria & connection to outfall	LS	1	3,500.00	3,500.00
	Sub-Total:				70,200.00
4.0 Furniture					
4.1	Seating - allow	No	2	2,000.00	4,000.00
4.3	Feature Rocks	No	12	350.00	4,200.00
	Sub-Total:				8,200.00
5.0 Play Equipment					
	<i>Supply & install the following playground equipment by playground equipment suppliers:</i>				
5.1	Junior Double Embarkment slide - Galloway SL18	LS	1	2,500.00	2,500.00
5.2	Slide platform	LS	1	1,500.00	1,500.00
5.3	Climber module - Proludic, Kanope J5609	LS	1	29,000.00	29,000.00
5.4	Double timber swing frame (incl basket swing)	LS	1	10,800.00	10,800.00
5.5	Inclusive Carousel	LS	1	17,100.00	17,100.00
5.6	Grinder	LS	1	2,750.00	2,750.00
5.7	Climbing hand holds	No	13	35.00	455.00
5.8	Shade sail	LS	1	3,500.00	3,500.00
5.9	Contractor's attendance to oversee the installation of playground equipment - Ensure site safety, liaison and coordination with play equipment suppliers on layout and placement of equipment	LS	1	1,500.00	1,500.00
	Sub-Total:				69,105.00
6.0 Landscaping & Planting					
6.1	Repread stockpiled topsoil &/or excavated materials to make good areas affected by the construction works and around existing site, level generally 100-200 thick and sow grass (approx 160m3 solid)	m3	160	30.00	4,800.00
6.2	Trees	No	5	400.00	2,000.00

Item	Description	Unit	Quantity	Rate	Total
6.3	Landscape shrub planting & mulch - Excluded				
	Sub-Total:				6,800.00
7.0	Contractor's Overheads & Margin				
	Allow for Contractor's Overheads & Margin	%	182,305	10%	18,230.50
	Total Physical Works Estimate - Stage 1				200,536
	Allow for Contingencies @ 10%	%	200,536	10%	20,054
	Allow for Council's Managed/Direct Cost @5%	%	220,589	5%	11,029
	Total Estimated Cost for Stage 1				231,619
	Physical Works Estimate - Stage 2a				
1.1	On-Site P&G	LS	1	5,000.00	5,000.00
1.2	Strip topsoil and excavate to formation of subgrade levels (-250mm) for new concrete pathway and stockpile excavated materials for reused &/or respread on existing site	m2	167	20.00	3,340.00
1.3	New 100mm thick 20Mpa Concrete paving incl 150mm GAP40 basecourse & reinforcing mesh (for 1.8m wide pathway) - assume approx 93m long for Stage 2a	m2	167	130.00	21,710.00
1.4	Allow for joining new concrete pathway to adjacent existing pathway including all making good	LS	1	1,000.00	1,000.00
1.5	Timber decking not exceeding 1m high - assume size 3.2m x 2.4m	m2	8	450.00	3,600.00
1.6	Bike Stand	No	1	2,500.00	2,500.00
1.7	Repread stockpiled topsoil &/or excavated materials to make good edges of concrete pathway and around existing site, level generally 100-200 thick and sow grass (approx 42m3 solid)	m3	42	30.00	1,260.00
1.9	Allow for Contractor's Off-Site Overheads & Margin	%	38,410	10%	3,841.00
	Total Physical Works Estimate - Stage 2a				42,251
	Allow for Contingencies @ 10%	%	42,251	10%	4,225
	Allow for Council's Managed/Direct Cost @5%	%	46,476	5%	2,324
	Total Estimated Cost for Stage 2a				48,800
	Physical Works Estimate - Stage 2b				
1.1	On-Site P&G	LS	1	4,000.00	4,000.00
1.2	Strip topsoil and excavate to formation of subgrade levels (-250mm) for new concrete pathway and stockpile excavated materials for reused &/or respread on existing site	m2	150	20.00	3,000.00
1.3	New 100mm thick 20Mpa Concrete paving incl 150mm GAP40 basecourse & reinforcing mesh (for 1.8m wide pathway) - assume approx 83m long for Stage 2b	m2	150	130.00	19,500.00
1.4	Allow for joining new concrete pathway to adjacent existing pathway including all making good	LS	1	1,000.00	1,000.00
1.5	Allow to make good edges of concrete pathway and other areas affected by the works with excvated materials and/or top soil and sow grass	m	166	18.00	2,988.00

Item	Description	Unit	Quantity	Rate	Total
1.6	Repread stockpiled topsoil &/or excavated materials to make good edges of concrete pathway and around existing site, level generally 100-200 thick and sow grass (approx 38m3 solid)	m3	38	30.00	1,140.00
1.7	Allow for Contractor's Overheads & Margin	%	30,488	10%	3,048.80
	Total Physical Works Estimate - Stage 2b				34,677
	Allow for Contingencies @ 10%	%	34,677	10%	3,468
	Allow for Council's Managed/Direct Cost @5%	%	38,144	5%	1,907
	Total Estimated Cost for Stage 2b				40,052
	Total Physical Works Estimate - Stage1, 2a & 2b				320,470
	Design, Consenting, Engagement & Council Managed Cost Fees				
	<i>Consultant Fees</i>				
	Consultant Design Fees - Reset Urban Design	LS	1	#####	18,000.00
	<i>Authority & Consenting Fees - Excluded</i>				
	<i>Council's Managed/Direct Costs - Included above</i>				
	Total Design Fees:			\$	18,000
	Total Base Estimate				338,470
	Excalation Allowance				
	Excalation Costs - Excluded assume construction in 2017	%		0%	0
	Total Expected Estimate				338,470
	Additional 95th Percentile Risk Funding Allowance				
	Risk funding allowance	%	338,470	5%	16,924
	Total Additional Risk Funding			\$	16,924
	Total 95th Percentile Esitmate				355,394