

Kawhia Beach Access Over Sandunes										
From Cul De Sac/Carpark to Beach (230m)										
SCHEDULE OF QUANTITIES										
Engineers Estimate 21/8/2025										
Revision 1										
Item	Description	Unit	Quantities	Rate	Amount	Sub Total	Lower Risk Allocation	Total Inclusive of Risk year 2025	Escalation Year 1 (2026)	Escalation Year 2 (2027)
1	PRELIMINARY AND GENERAL									
1.1	Preparation of Construction Management Plan including - Site Specific Safety Plans, Environmental Plan, QA Plan, Construction Programme and notifications. All insurances. Attend start-up and weekly meetings, consultation, reporting, contract management including sub-contractors, suppliers and supervision.	LS	1	\$5,500.00	\$5,500.00					
1.2	Establishment to site inclusive of all plant, equipment, materials, labour (including all subtrades),Project sign boards, and environmental controls. Clean-up and dis-establishment upon completion of works.	LS	1	\$7,500.00	\$7,500.00					
1.3	Implementation and Management of the Construction Management Plan, Environmental Plan and QA Plan (testing itemised in section 2 below)	weeks	8	\$500.00	\$4,000.00					
1.4	Traffic Management .									
	i) Prepare and gain approved TMP (signage at carpark)	LS	1	\$500.00	\$500.00					
	ii) Implement and manage traffic control for duration of construction (sign hire)	weeks	8	\$250.00	\$2,000.00					
1.5	Set-out from the dimensions and details shown on the construction drawings. A 3D digital file will be provided to the Contractor for set out purposes.	LS	1	\$3,500.00	\$3,500.00					
				Sub Total		\$23,000.00	5%	\$24,150.00	3% \$24,874.50	3% \$25,620.74
2	UTILITY SERVICES									
2.1	Investigate services via B4UDig. Plot mark and protect existing underground services. (services are expected outside the area of works and within the cul de sac and toilet block only)	LS	1	\$500.00	\$500.00					
				Sub Total		\$500.00	5%	\$525.00	3% \$540.75	3% \$556.97
3	Earthworks									
3.1	Cut sand to fill includes compaction	m³	257	\$85.00	\$21,845.00					
3.2	Cut excess sand and spread in front of foreshore dunes	m³	465	\$75.00	\$34,875.00					
				Sub Total		\$56,720.00	15%	\$65,228.00	3% \$67,184.84	3% \$69,200.39
4	Entry treatment off cul de sac/carpark									
4.1	Remove existing timber post and rail fence arrangement and salvage materials for re-use or return to Otorohunga District Council	LS	1	\$1,500.00	\$1,500.00					
4.2	Supply and install 140mm dia strainer posts, 1.8m long, embedded 900mm as detailed sheet 07	ea	11	\$125.00	\$1,375.00					
				Sub Total		\$2,875.00	5%	\$3,018.75	3% \$3,109.31	3% \$3,202.59
5	Quad bike access track over sand dunes									
5.1	Supply and install 100mm SED H4 treated posts 1.2m long embedded 900mm, placed at 4.8m centres on outer edge opposite sand ladder, includes passing bay perimeter	ea	50	\$30.00	\$1,500.00					
5.2	Supply and install 100mm x 75mm horizontal rails 2.2m long fixed to posts with M12 coach bolts (for attaching geogrid) as detailed sheet 06	ea	50	\$65.00	\$3,250.00					
5.3	Supply, place and fix Cirtex Tenax 3D geogrid under aggregate and stapled to horizontal rails	m2	550	\$15.00	\$8,250.00					
5.4	Supply, place and compact AP65 subbase aggregate with reduced fines 100mm deep	m³	55	\$305.00	\$16,775.00					
5.5	Uplift and place natural sand approx. 30mm deep over AP65 aggregate	m³	15	\$145.00	\$2,175.00					
				Sub Total		\$31,950.00	5%	\$33,547.50	3% \$34,553.93	3% \$35,590.54
6	Sand Ladder over Sand Dunes									
6.1	Supply and install 100mm SED H4 1.8m long fence posts	ea	90	\$40.00	\$3,600.00					
6.2	Supply and install 100mm SED H4 1.2m long fence posts	ea	45	\$30.00	\$1,350.00					
6.3	Supply and fix half round timber fence mounted handrail in 2.4m lengths	m	210	\$35.00	\$7,350.00					
6.4	Supply 8mm galvanised chain	m	420	\$11.50	\$4,830.00					
6.5	Supply 150mm half round treated posts 1.2m long, fixed to galvanised chain 200mm apart with 10mm galvanised coach bolts complete with washers. Chain stapled to posts as detailed sheet 06	ea	765	\$35.00	\$26,775.00					
				Sub Total		\$43,905.00	5%	\$46,100.25	3% \$47,483.26	3% \$48,907.76
7	Entry treatment off Beach									
7.1	Form a flared entry from post and rails scheduled under items 6.1, 6.2 and 6.3	LS	1	\$1,000.00	\$1,000.00					
7.2	Supply and install 140mm dia strainer posts, 1.8m long, embedded 900mm as detailed sheet 07	ea	11	\$125.00	\$1,375.00					
				Sub Total		\$2,375.00	5%	\$2,493.75	3% \$2,568.56	3% \$2,645.62
8	Sand Ladder to Lookout									
	Supply and install 100mm SED H4 1.8m long fence posts	ea	15	\$40.00	\$600.00					
	Supply and install 100mm SED H4 1.2m long fence posts	ea	8	\$30.00	\$240.00					
	Supply and fix half round timber fence mounted handrail in 2.4m lengths	m	15	\$35.00	\$525.00					
	Supply 8mm galvanised chain	m	70	\$11.50	\$805.00					
	Supply 150mm half round treated posts 1.2m long, fixed to galvanised chain 200mm apart with 10mm galvanised coach bolts complete with washers. Chain stapled to posts as detailed sheet 06	ea	130	\$35.00	\$4,550.00					
				Sub Total		\$6,720.00	5%	\$7,056.00	3% \$7,267.68	3% \$7,485.71
8	Landscaping									
8.1	Form over steepened batters at 1:1 and cover with Cirtex Ecomat	m2	1340	\$12.50	\$16,750.00					
8.2	Plant Ecomat area with salvaged local plant species	m2	1340	\$15.00	\$20,100.00					
				Sub Total		\$36,850.00	15%	\$42,377.50	3% \$43,648.83	3% \$44,958.29
9	Estuary Access Prevention (Site 1 near Point)									
9.1	Supply and install 300mm SED marine treated posts 5.5m long in tide zone. Embedded 2.5m as detailed sheet 04	ea	11	\$975.00	\$10,725.00					
9.2	Supply and install 300mm SED marine treated posts 2.5m long on beach zone. Embedded 1.5m as detailed sheet 04	ea	22	\$375.00	\$8,250.00					

9.3	Paint posts above the water line black with red bands in accordance with maritime NZ isolated danger markings	ea	11	\$115.00	\$1,265.00						
9.4	supply and install small solar panel and flashing light beacon on end post within the tidal zone	ea	1	\$2,750.00	\$2,750.00					3%	3%
				Sub Total		\$22,990.00	15%	\$26,438.50	\$27,231.66	\$28,048.60	
9	Estuary Access Prevention (Site 2 near Maketu Marae)										
9.1	Supply and install 300mm SED marine treated posts 5.5m long in tide zone. Embedded 2.5m as detailed sheet 05	ea	6	\$975.00	\$5,850.00						
9.2	Supply and install 300mm SED marine treated posts 2.5m long on beach zone. Embedded 1.5m as detailed sheet 04	ea	23	\$375.00	\$8,625.00						
9.3	Paint posts above the water line black with red bands in accordance with maritime NZ isolated danger markings	ea	5	\$115.00	\$575.00						
9.4	supply and install small solar panel and flashing light beacon on end post within the tidal zone	ea	1	\$2,750.00	\$2,750.00					3%	3%
				Sub Total		\$17,800.00	15%	\$20,470.00	\$21,084.10	\$21,716.62	
12	DAYWORKS (Provisional)										
12.1	Contractors Contract Manager	hr	5	\$105.00	\$525.00						
12.2	Foreman/Site Supervisor	hr	10	\$85.00	\$850.00						
12.3	Labourer	hr	10	\$60.00	\$600.00						
12.4	Registered Drinlayer	hr	0	\$75.00	\$0.00						
12.5	6 tonne Excavator	hr	10	\$175.00	\$1,750.00						
12.6	20 tonne Excavator	hr	0	\$255.00	\$0.00						
12.7	8 tonne truck	hr	0	\$85.00	\$0.00						
12.8	walk behind vibrating roller	hr	10	\$65.00	\$650.00						
12.9	Grader	hr	0	\$225.00	\$0.00					3%	3%
				Sub Total		\$4,375.00	5%	\$4,593.75	\$4,731.56	\$4,873.51	
	TOTAL AMOUNT (Excluding GST)				\$250,060.00	\$250,060.00		\$275,999.00	\$284,279.33	\$292,807.70	
	5% Miscellaneous				\$12,503.00	\$12,503.00	10%	\$13,753.30	\$14,165.90	\$14,590.88	
	Professional Fees ( Planning and Final Design)				\$50,000	\$50,000	10%	\$55,000.00	\$56,650.00	\$58,349.50	
	Total					\$312,563.00		\$344,752.30	\$355,095.23	\$365,748.08	
	10% Contingency					\$31,256.30		\$34,475.23	\$35,509.52	\$36,574.81	
	Totals including Contingency					\$343,819.30		\$379,227.53	\$390,604.75	\$402,322.88	