

SECTION 6 - THE SCHEDULES

6.1 THE PRICE SCHEDULE

This Contract is a Lump Sum Contract with some measureable and provisional items - Refer Cl 2.2 of NZS 3910.

Preamble

The description of work given for the various items in the Price Schedule are not necessarily complete in all respects, and reference should be made to the Specification and Drawings which are to be read in conjunction with the Schedule.

The rates and amounts to be inserted in the Price Schedule shall be the full inclusive value of the work described under the several items, including all costs and expenses required for all construction of the work described and any temporary works, together with all general risks, liabilities and obligations set out or implied in the Contract Documents. Unless stated to the contrary within the documents, all volume measures are “tight” (in place) measures.

A rate or amount shall be entered against every item shown in the Price Schedule. The cost of any incidental work necessary for the proper completion of the Contract but not shown separately in the Price Schedule shall be included in the rate or amount for the item to which it appropriately relates, but if any incidental work cannot be readily included under a scheduled item it shall be added to the Price Schedule by the Contractor as a new item. Any item left unpriced by the Tenderer will be deemed to be included in the prices tendered for other items.

Additional sand for the construction of the wastewater treatment pond will be available free of charge from an area within 4km of the WWTP. The Contractor shall allow for the mining, transportation, stockpiling and placement of sand in item 2.3.1 together with reinstatement to pasture of the mined area. The Principal will obtain any necessary Resource Consents.

All Mechanical and Electrical items and associated civil works will be procured directly by the Principal.



Tenderers shall enter quantities of pipework under items 2.2.2.1 to 12.

Summary of Amounts

ITEM	AMOUNT
SUB-TOTAL SEPARABLE PORTION A – DESIGN PHASE	
SUB-TOTAL SEPARABLE PORTION B – SUPPLY AND CONSTRUCTION PHASE	
SUB-TOTAL SEPARABLE PORTION C – SUPPLY AND INSTALLATION ON-LOT FACILITIES CONSTRUCTION PHASE	
SUB-TOTAL SEPARABLE PORTION D – ONGOING SUPPLY AND INSTALLATION OF ON-LOT FACILITIES	
SUB-TOTAL UNSCHEDULED ITEMS (TENDERER TO SPECIFY)	
TOTAL AMOUNT OF TENDER	\$

Signature _____

Name of Tenderer _____

Date _____

PRICE SCHEDULE

HIMATANGI BEACH COMMUNITY SEWERAGE SCHEME

1.0 SEPARABLE PORTION A – DESIGN PHASE

ITEM	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
	<p>Design</p> <p>Undertake comprehensive design and documentation of all parts of the wastewater collection, reticulation and treatment system. Design to be undertaken in three parts</p>				
1.1	<p>Concept Design</p> <p>Concept design with full system description, preliminary layout, sizes and proposed key components. Preliminary analysis, calculations and concept design report submit to Principal and meet to discuss issues.</p>	LS	1		
1.2	<p>Developed (80%) Design</p> <p>Developed design calculations, drawings, specification including separate specification for on lot works . Product names, suppliers, etc</p> <p>Developed design report, submit to Principal and meet to discuss issues.</p>	LS	1		
1.3	<p>100% Design and Documentation</p> <p>Prepare final construction drawings and specification incorporating all agreed issues arising out of items 1.1 and 1.2.</p> <p>Provision of final design report, analysis and calculations and PS1 Design Producer Statement</p>	LS	1		
SUB-TOTAL SEPARABLE PORTION A – DESIGN PHASE					\$

HIMATANGI BEACH COMMUNITY SEWERAGE SCHEME

2.0 SEPARABLE PORTION B – SUPPLY AND CONSTRUCTION PHASE

ITEM	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
2.1	Preliminary and General		1		
2.1.1	Insurances, bonds, fees, permits, etc	LS	1		
2.1.2	Setting out	LS	1		
2.1.3	Establishment and disestablishment	LS	1		
2.1.4	Engineering Observation oversight by Public Reticulation Designer at a level to adequately control and monitor construction standards and provide Producer Statement PS4 on completion	LS	1		
2.1.5	Provision of all other items required by the Preliminary and General clauses of the Contract Documents or otherwise needed to complete the project in accordance with the Contract Documents	LS	1		
	Sub-Total Preliminary and General				\$

ITEM	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
2.2	Public Reticulation – Separable Portion B				
2.2.1	Supply and install rising main boundary kits comprising non-return valve, flushing tee and isolation or stop valve, contained within a valve box with lid, allow for connection to individual property pipework	No	400		
2.2.2	Supply and lay reticulation in public streets and other public areas (berms, parks etc) Allow for valves, tees, bends etc to provide services to individual lots. Pipe sizes and lengths to be defined by Contractor				
2.2.2.1	DN 40 by trenching	m			
2.2.2.2	DN 40 by other method	m			
2.2.2.3	DN 50 by trenching	m			
2.2.2.4	DN 50 by other method	m			
2.2.2.5	DN 63 by trenching	m			
2.2.2.6	DN 63 by other method	m			
2.2.2.7	DN 75 by trenching	m			
2.2.2.8	DN 75 by other method	m			
2.2.2.7	DN 90 by trenching	m			
2.2.2.8	DN 90 by other method	m			
2.2.2.7	DN 110 by trenching	m			
2.2.2.8	DN 110 by other method	m			
2.2.2.9	Other size DN by trenching	m			
2.2.2.10	Other size DNby other method	m			
2.2.2.11	Other size DN by trenching	m			
2.2.2.12	Other size DNby other method	m			
2.2.3	E/O for reinstatement in public streets Concrete driveway areas	LS	1		

	Asphalt driveway areas	LS	1		
	Grassed areas	LS	1		
	Concrete footpath areas	LS	1		
	Bituminous surfaced (chipseal) carriageway areas	LS	1		
	Bituminous surfaced (chipseal) footpath areas	LS	1		
2.2.4	Supply and lay reticulation from Koputara/Himatangi Beach Road to proposed treatment facility. Allow for valves, tees, bends, stream crossing, all consents for stream crossing, and all reinstatement. Pipe sizes and lengths to be defined by Contractor				
2.2.4.1	DN by trenching	m			
2.2.4.2	DNby other method	m			
2.2.4.3	DN by trenching	m			
2.2.4.4	DNby other method	m			
2.2.5	Public Pump Station (if required)	LS	1		
	Supply and install pump station including operational and emergency storage, pumps and all controls and instrumentation				
	Sub-Total Public Reticulation				\$

ITEM	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
2.3	Wastewater Treatment Facility - - Separable Portion B				
2.3.1	Construct wastewater treatment pond, including lining as applicable and all associated pipework, security fencing and lockable gate, vehicular hard standing area as per CPG drawings nos:705434 WW-01 to 04	LS	1		
2.3.2	Supply of potable water to the treatment facility	LS	1		
2.3.3	Upgrade existing access way from Lake Road to proposed treatment facility entrance and construct new WWTP site access way.	LS	1		
	Sub-Total Wastewater Treatment facility				\$

ITEM	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
2.4	Commissioning of Public Reticulation - - Separable Portion B				
2.4.1	Commission all public reticulation and confirm its operation meets the design standards proposed	LS	1		
2.4.2	Defects Liability Period	LS	1		
	Maintain and operate the public reticulation facilities				

	for the duration of the Defects Liability Period.				
	Sub-Total Commissioning Public Works				\$

SUMMARY

ITEM	DESCRIPTION	AMOUNT
2.1	Sub-Total Preliminary and General	\$
2.2	Sub-Total Public Reticulation	\$
2.3	Sub-Total Wastewater Treatment facility	\$
2.4	Sub-Total Commissioning Public Reticulation	\$
	SUB-TOTAL SEPARABLE PORTION B - SUPPLY AND CONSTRUCTION PHASE	\$

HIMATANGI BEACH COMMUNITY SEWERAGE SCHEME

3.0 SEPARABLE PORTION C – SUPPLY AND INSTALLATION ON-LOT FACILITIES CONSTRUCTION PHASE

ITEM	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
3.1	Preliminary and General - - Separable Portion C				
3.1.1	Insurances, bonds, fees, permits, etc	LS	1		
3.1.2	Setting out	LS	1		
3.1.3	Establishment and disestablishment	LS	1		
3.1.4	Provision of all other items required by the Preliminary and General clauses of the Contract Documents or otherwise needed to complete the project in accordance with the Contract Documents	LS	1		
3.1.5	Community and property owner liaison	LS	1		
	Sub-Total- Preliminary and General				\$

ITEM	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
3.2	On lot Works – Separable Portion C				
3.2.1	Supply and delivery to site of packaged domestic sewage pump station or package pre-treatment units (as applicable) complete with holding tank with lid, pump, pipework, fittings and valves, control panel, float switch and high-level alarm float switch with remote audio-visual alarm, (MEASUREABLE ITEM)				
3.2.1.1	Single pump units (Upper limit 250 Units Lower limit 150 Units)	No.	200		
3.2.1.2	Supply and install pump units in new wet well for Camp Site including new switchgear, controls and power supply and modifications to existing Camp Site drainage as required	PS	1		75,000.00
3.2.1.3	Supply and install pump in existing wet well for Public Toilet Block and connected Community Facilities including all modifications to existing drainage and connection to new reticulation as required	PS	1		15,000
3.2.1.4	Spare Pumps for domestic packaged pump stations	No.	3		
3.2.2.1	Install packaged domestic sewage pump station or package pre-treatment units, allow for any construction dewatering, reinstatement of all surfaces, and appropriately sized power supply cabling between the property switchboard and the PSU Control Unit and connection to property switchboard. (boundary box installation to be part of public reticulation works) Single pump units (Upper limit 250 Units Lower limit 150 Units) (MEASURABLE ITEM)	No.	200		
3.2.2.2	Install pressure main from PSU to boundary kit	No.	200		
3.2.3	Anti Flotation E/O Item 3.2.2.1 for provision of anti-flotation measures as per manufacturer's specifications (such	No.	200		

	areas to be identified by Contractor during Design Phase) - (MEASUREABLE ITEM)				
3.2.4	Concrete Reinstatement E/O Item 3.2.2.2, 3.2.7 and 3.2.8 for reinstatement of concrete areas, Reinstatement to of min width 100mm beyond each side of trench, all edges to be saw cut and reinforced with 335 mesh min 100 mm thick or to match existing where existing exceeds 100 mm (MEASUREABLE ITEM)	m ²	900		
3.2.5	Bituminous Surfacing Reinstatement (Chipseal) E/O Item 3.2.2.2, 3.2.7 and 3.2.8 for reinstatement of bituminous surfaced areas, Reinstatement to of min width 100mm beyond each side of trench, all edges to be saw cut, min 25 mm thick over min 150 mm AP40 basecourse, or to match existing where existing exceeds these thicknesses (MEASUREABLE ITEM)	m ²	900		
3.2.6	Grass Reinstatement E/O Item 3.2.2.2, 3.2.7 and 3.2.8 for reinstatement of grassed areas, Reinstatement to of min width 100mm beyond each side of trench, min 100 mm topsoil. (MEASUREABLE ITEM)	m ²	2400		
3.2.7	Supply and install DN100 gravity sewer connections including all fittings from private property gully traps to new on-lot units, allow up to 3 m per property. (MEASUREABLE ITEM)	No.	200		
3.2.8	E/O Item 3.2.7 for additional length of gravity sewer connection (MEASUREABLE ITEM)	m	500		
3.2.9	Pump out, decommission and fill in with sand or other material existing septic tanks (where applicable). Cut off existing inlet/outlet pipes and plug with concrete all pipes left in ground and abandoned. (MEASUREABLE ITEM)	No.	180		
3.2.10	Post completion commissioning all units including control, instrumentation and pump capacity checks	LS	1		
3.2.11	Maintain at no cost to Principal for duration of defects liability period	LS	1		
3.2.12	Provide generic Operation and Maintenance manual including all commission information, products incorporated in system, recommendations for regular maintenance, names and contacts of local repair and maintenance agents and As Builts of each unit	LS	1		
3.2.13	Provide Home Owners Manual to each property owner	No.	200		
3.2.14	Provide guarantees for system for total four (4) years from end of Defects Liability Period	LS	1		
	Sub-Total On lot works				\$

SUMMARY

ITEM	DESCRIPTION	AMOUNT
3.1	Sub-Total Preliminary and General	\$
3.2	Sub-Total On lot works	\$
	SUB-TOTAL SEPARABLE PORTION C – SUPPLY AND INSTALLATION ON-LOT FACILITIES CONSTRUCTION PHASE	\$

HIMATANGI BEACH COMMUNITY SEWERAGE SCHEME

4.0 SEPARABLE PORTION D – ONGOING SUPPLY AND INSTALLATION OF ON-LOT FACILITIES

ITEM	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
4.1	Preliminary and General – Separable Portion D				
4.1.1	Insurances, bonds, fees, permits, etc	LS	1		
4.1.2	Setting out	LS	1		
4.1.3	Establishment and disestablishment	LS	1		
4.1.4	Provision of all other items required by the Preliminary and General clauses of the Contract Documents or otherwise needed to complete the project in accordance with the Contract Documents	LS	1		
4.1.5	Community and property owner liaison	LS	1		
	Sub-Total Preliminary and General				\$

ITEM	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
4.2	On lot Works – Separable Portion D				
4.2.1	Supply and delivery to site of packaged domestic sewage pump station or package pre-treatment units (as applicable) complete with holding tank with lid, pump, pipework, fittings and valves, control panel, float switch and high-level alarm float switch with remote audio-visual alarm, Single pump units (Upper limit 250 Units Lower limit 150 Units)	No.	200		
4.2.2.1	Install packaged domestic sewage pump station or package pre-treatment units, allow for any construction dewatering, reinstatement of all surfaces, pressure main to boundary, and appropriately sized power supply cabling between the property switchboard and the PSU Control Unit and connection to property switchboard. (boundary box installation to be part of public reticulation works) (Upper limit 250 Units Lower limit 150 Units).	No	200		
4.2.2.2	Install lateral from PSU to boundary kit	No	200		
4.2.3	Anti Flotation E/O Items 4.2.2.1 for provision of anti-floatation measures as per manufacturer's specifications (such areas to be identified by Contractor during Design Phase) - (MEASUREABLE ITEM)	No.	200		
4.2.4	Concrete Reinstatement E/O Item 4.2.2.2 , 4.2.7 and 4.2.8 for reinstatement of concrete areas, Reinstatement to of min width 100mm beyond each side of trench, all edges to be saw cut and reinforced with 335 mesh min 100 mm thick or to	m ²	900		

	match existing where existing exceeds 100 mm (MEASUREABLE ITEM)				
4.2.5	Bituminous Surfacing Reinstatement (Chipseal) E/O Item 4.2.2.2, 4.2.7 and 4.2.8 for reinstatement of bituminous surfaced areas, Reinstatement to of min width 100mm beyond each side of trench, all edges to be saw cut, min 25 mm thick over min 150 mm AP40 basecourse, or to match existing where existing exceeds these thicknesses (MEASUREABLE ITEM)	m ²	900		
4.2.6	Grass Reinstatement E/O Item 4.2.2.2, 4.2.7 and 4.2.8 for reinstatement of grassed areas, Reinstatement to of min width 100mm beyond each side of trench, min 100 mm topsoil. (MEASUREABLE ITEM)	m ²	2400		
4.2.7	Supply and install DN100 gravity sewer connections from private property gully traps to new on-lot units, allow 3 m per property. (MEASUREABLE ITEM)	No.	200		
4.2.8	E/O Item 4.2.7 for additional length of gravity sewer connection. (MEASUREABLE ITEM)	m	500		
4.2.9	Pump out, decommission and fill in with sand or other material existing septic tanks (where applicable) Cut off existing inlet/outlet pipes and plug with concrete all pipes left in ground and abandoned- (MEASUREABLE ITEM)	No.	180		
4.2.10	Post completion commissioning all units including control, instrumentation and pump capacity checks	LS	1		
4.2.11	Maintain at no cost to Principal for duration of Defects Liability Period	LS	1		
4.2.12	Update generic Operation and Maintenance manual including all commission information, products incorporated in system, recommendations for regular maintenance, names and contacts of local repair and maintenance agents and As Builts of each unit	LS	1		
4.2.13	Provide Home Owners Manual to each property owner	No.	200		
4.2.14	Provide guarantees for system for total five (5) years from end of Defects Liability Period	LS	1		
	Sub-Total On lot works				\$

SUMMARY

ITEM	DESCRIPTION	AMOUNT
4.1	Sub-Total Preliminary and General	\$
4.2	Sub-Total On lot works	\$
	SUB-TOTAL SEPARABLE PORTION D – ONGOING SUPPLY AND INSTALLATION OF ON-LOT FACILITIES	\$



HIMATANGI BEACH COMMUNITY SEWERAGE SCHEME

5.0 SEPARABLE PORTION E – OPERATIONAL SUPERVISION AND PERFORMANCE PROVING PERIOD

This Separable Portion is deleted from the Contract Scope.

HIMATANGI BEACH COMMUNITY SEWERAGE SCHEME

6.0 UNSCHEDULED ITEMS (TENDERER TO SPECIFY)

ITEM	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
6.1					
6.2					
6.3					
6.4					
	SUB-TOTAL UNSCHEDULED ITEMS (TENDERER TO SPECIFY)				\$

6.2 SCHEDULE OF DAYWORKS AND MARGINS

To be used when the engineer authorises variations that cannot be priced based on schedule rates or pre-agreed quotations.

	Unit	Quantity	Rate	Amount
Supply of manpower/equipment on a dayworks basis (rate only) (exclusive of GST). All rates shall be inclusive of all supervision, administration, disbursements and overhead costs.				
Project Manager	Hr			
Technical Leader	Hr			
Senior Engineer	Hr			
Intermediate Engineer	Hr			
Graduate Engineer	Hr			
CAD Technician	Hr			
Planner	Hr			
Survey Team	Hr			
Supervisor/foreman	Hr			
Site Labourer	Hr			
Plant inclusive of operator				
Truck 6m ³	Hr			
Truck 8m ³	Hr			
Truck 10m ³	Hr			
Hitachi 200 Excavator (or equivalent)	Hr			
Rubber tyred loader	Hr			
Grader	Hr			
Small trench excavator suitable for cabling	Hr			

Percentage of on and off site overheads and profit and rate per working day. Ref. NZS 3910 Clause 1.2 and 9.3.

On-Site Overheads	%
Off-Site Overheads and Profit	%
Rate per working day	\$
Margin on Subcontractors	%
Margin on Materials	%
Other	

6.3 PUMP UNIT SPECIFICATION SCHEDULE

(to be completed by Tenderer)

Specification Topic	Specification Minimum	Specification of Tendered Unit	Meet Minimum Compliance	Better than Minimum Compliance - Explanation
Single Pump Unit				
Pump	Single phase motor		Yes / No	
Pump	Semi-positive displacement type		Yes / No	
Pump EQD - electrical quick disconnect	Ease of maintenance requirements		Yes / No	
Pump delivery (minimum)	0.40l/s at 45m head		Yes / No	
Grinder pump and control panel	Conform to AS/NZS 3350.2.41		Yes / No	
Motor	Capacitor start, capacitor run. Submersible options must be rated to IP68, submersible to 5m		Yes / No	
Motor capacity (hp)	1		Yes / No	
Motor size (kW) - minimum	0.45		Yes / No	
Motor (rpm)	1450		Yes / No	
Motor power supply	240 volts		Yes / No	
Motor power supply	50 Hz		Yes / No	
Motor power supply cable - not less than	15m		Yes / No	
Starting current - not greater than	30 amperes		Yes / No	
Starting torque - not less than	15.6 Nm		Yes / No	
Protection against running overloads or locked rotor conditions	Automatic reset		Yes / No	
Grinder impellor mechanism - not greater than	1500 rpm		Yes / No	
Maximum flow rate through cutting mechanism - not greater than	1.2 m/2		Yes / No	
Storage capacity - total (litres) - minimum	600		Yes / No	
Active storage capacity - pump on to pump off (litres) - minimum	25		Yes / No	
Storage volume - alarm to overflow (litres) - minimum	400		Yes / No	

Specification Topic	Specification Minimum	Specification of Tendered Unit	Meet Minimum Compliance	Better than Minimum Compliance - Explanation
Retained storage volume - volume remaining when pump turns off (litres) - maximum	100		Yes / No	
General				
Storage tank material	High density polyethylene or FRP (state which) to AS/NZS 1546.1.1998		Yes / No	
Storage tank protection against flotation	Designed for concrete ballast		Yes / No	
Operating head	40m		Yes / No	
Maximum head	55m		Yes / No	
Check valve	Swing or ball type		Yes / No	
Anti-siphon valve	No holes in discharge piping. A dedicated anti-siphon device must be provided.		Yes / No	
Cover	Lockable		Yes / No	
Cover - resistant loading capacity - minimum	500 kg		Yes / No	
Minimum depth of inlet connection below cover level	Min: 600mm		Yes / No	
Controls	Float switch, pressure switch or poles		Yes / No	
Control panel	Rated IP65		Yes / No	
Control panel	Insulated cover		Yes / No	
Control panel	Detailed specification		Yes / No	
Control panel	Installation drawings		Yes / No	
Control panel	Wiring drawings		Yes / No	
Alarm	Manual reset capacity		Yes / No	
Alarm	Audible alarm with auto reset and visual red light, with manual reset mounted on control panel		Yes / No	
Manual	Detailed installation instructions		Yes / No	
Manual	Operations instructions		Yes / No	
Manual	Maintenance instructions		Yes / No	

6.4 PUMP UNIT QUALITY OF SERVICE OFFERED SCHEDULE

(to be completed by Tenderer)

Service Topic	Intent	Minimum Offering	Meets Minimum Compliance	Tender Offering Above Minimum Compliance - Explanation
Standard delivery time	No hold up in construction	Pumps will normally be delivered within 30 days of being ordered and will be discounted by 10% if delivered late	Yes / No	
Breakdown and repair delivery time	Customer satisfaction	Pumps will be delivered within three days of a breakdown occurring regardless of the reason for the breakdown	Yes / No	
Performance guarantee	Customer satisfaction	Provide a written Performance guarantee, guaranteeing that the pump units offered are designed to give a 25 year service life.	Yes / No	
Training services	Accredited staff	Training and accreditation session/s required as per tender requirement	Yes / No	
Spare parts	Future	Spare parts will be available for a period of at least 20 years from the date of signing of the contract	Yes / No	
Financial viability	Pre-requisite	Bank Guarantee Indemnity	Yes / No	
Testing and commissioning	Quality control	Tenderer to supply typical test and commissioning checklist and assist with testing and commissioning of individual units post installation, prior to issue of Certificate of Completion to accredited Contractor	Yes / No	



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Service Topic	Intent	Minimum Offering	Meets Minimum Compliance	Tender Offering Above Minimum Compliance - Explanation
Commercial viability	Clear accountability	If the Tenderer is not the Manufacturer, Manawatu District Council requests that the Tenderer should provide written confirmation of unconditional support from the Manufacturer signed by the most Senior Manager of the Manufacturer or as delegated in writing	Yes / No	