

See paragraph 5.3.1 of the Instructions to Tenderers – Part II

All prices and *Quotations* including the *Contract Price* shall include all *Taxes*, but shall not include *GST*. *GST* shall be shown separately.

**Summary Sheet**

<i>Division</i>	<i>Title</i>	<i>Amount</i>
01	General Requirements	
31	Earthwork	
32	Roads and Site Improvements	
33	Utilities	
	Structural	
	Process Mechanical	
	Building Mechanical	
	EI&C	
	Tender Price	
	GST	
	Tender Price plus GST	

01 General Requirements			Sub Total			
Section	Para	Specification Title	Unit	Quantity	Unit Price	Amount
		<b>Mobilization and Demobilization</b>				
	1.8.1	Mob/Demob	LS	1		
		<b>Bonding and Insurance</b>				
	1.8.1	Bonding and Insurance	LS	1		
01 33 01		<b>Project Record Documents</b>				
	1.8.1	Project Record Documents	LS	1		
01 53 01		<b>Temporary Facilities</b>				
	1.9.1	Site Office	LS	1		
01 55 00		<b>Traffic Control, Vehicle Access and Parking</b>				
	1.5.1	Traffic Control, Vehicle Access and Parking	LS	1		
01 57 01		<b>Environmental Protection</b>				
	1.6.1	Environmental Protection	LS	1		
01 58 01		<b>Project Identification</b>				
	1.3.1	Project Identification	LS	1		
<b>31 Earthwork</b>			<b>Sub Total</b>			
Section	Para	Specification Title	Unit	Quantity	Unit Price	Amount
31 11 01		<b>Clearing and Grubbing</b>				
	1.4.1, 1.4.2	Clearing and Grubbing including tree removal	Square Metre	3,800		
31 11 41		<b>Shrub and Tree Preservation</b>				
	1.3.1	Preservation of Existing Trees	Each	1		
31 22 01		<b>Site Grading : Landscaping</b>				
	1.4.1	Topsoil Stripping and Reuse	Cubic Metre	1,200		
	1.4.4	Removal of Unsuitable Material (Provisional)	Cubic Metre	2,100		
	1.4.5	Preparation and Compaction of Subgrade (Path)	Square Metre	1,300		
31 23 01		<b>Excavating, Trenching and Backfilling Underground Utility</b>				
	1.10.1	Excavating, Trenching and Backfilling included under pipelaying	Note			
	1.10.4	Removal and Disposal of Disused Pipes	Inm	400		
	1.10.6	Excavation of New Channels and Ditches (Provisional)	Inm	900		
31 24 13		<b>Roadway Excavation, Embankment and Compaction</b>				
	1.8.5	Common Excavation - On-Site Re-Use (Provisional)	Cubic Metre	600		
	1.8.5	Common Excavation - Off-Site Disposal (Provisional)	Cubic Metre	1,600		
	1.8.7	Import Embankment Fill (Pitrun) (Provisional)	Cubic Metre	2,200		
	1.8.9	Subgrade Preparation	Square Metre	8,800		
31 32 19		<b>Geosynthetics</b>				
	1.6.1	Geosynthetics	Square Metre	1,300		
31 37 10		<b>RipRap</b>				
	1.4.1	Graded RipRap - Machine Placed	Cubic Metre	20		
	1.4.1	Graded RipRap - Hand Placed	Cubic Metre	6		

32 Roads and Site Improvements			Sub Total			
Section	Para	Specification Title	Unit	Quantity	Unit Price	Amount
<b>32 01 16.7 Cold Milling</b>						
	1.5.1	Cold Milling, disposal	Square Metre	2,400		
	1.5.1	Cold Milling, reuse on path or shoulder (placement paid in section 32 11 23)	Square Metre	5,100		
<b>32 11 16.1 Granular Sub-Base</b>						
	1.4.3	Granular Sub-Base 300mm Thickness for Roads	Square Metres	300		
	1.4.3	Granular Sub-Base 150mm Thickness for Roads, reuse of existing materials for sub-base approved by geotech (Elphinstone)	Square Metres	1,200		
	1.4.3	Granular Sub-Base 150mm Thickness for Roads (Elphinstone)	Square Metres	1,100		
	1.4.3	Granular Sub-Base 150mm Thickness for Roads, reuse of existing materials for sub-base approved by geotech (Reed)	Square Metres	3,200		
	1.4.3	Granular Sub-Base 150mm Thickness for Roads (Reed)	Square Metres	3,200		
	1.4.3	Granular Sub-Base 150mm Thickness for Parking Lot	Square Metres	800		
<b>32 11 23 Granular Base</b>						
	1.4.2	Granular Base 300mm Thickness for Roads	Square Metres	200		
	1.4.2	Granular Base 225mm Thickness for Roads, reuse of existing materials for sub-base approved by geotech (Elphinstone)	Square Metres	1,200		
	1.4.2	Granular Base 225mm Thickness for Roads (Elphinstone)	Square Metres	1,100		
	1.4.2	Granular Base 225mm Thickness for Roads, reuse of existing materials for sub-base approved by geotech (Reed)	Square Metres	3,200		
	1.4.2	Granular Base 225mm Thickness for Roads (Reed)	Square Metres	3,200		
	1.4.2	Granular Base 150mm Thickness for Parking Lots	Square Metres	800		
	1.4.2	Granular Base 150mm Thickness for Path, reuse of millings from	Square Metres	1,200		
	1.4.2	Granular Base 150mm Thickness for Path, import	Square Metres	600		
	1.4.2	Shouldering 0.5m width (import)	Square Metres	600		
	1.4.2	Shouldering 0.5m width (reuse of millings)	Square Metres	800		
<b>32 12 16 Hot-Mix Asphalt Concrete Paving</b>						
	1.5.1, 1.5.2	Asphalt Pavement - Reed/N Road - 100mm thick	m2	200		
	1.5.1, 1.5.2	Asphalt Pavement - Reed Road - 50mm thick	m2	6,300		
	1.5.1, 1.5.2	Asphalt Pavement - Elphinstone - 50mm thick	m2	2,300		
	1.5.1, 1.5.2	Asphalt Pavement -Parking Lot - 50mm thick	m2	700		
	1.5.7	Saw Cut Asphalt	Lineal Metres	110		
	1.5.4	Extruded Asphalt Curb	Lineal Metres	60		
<b>32 17 23 Painted Pavement Markings</b>						
	1.5.2	Reinstate Permanent Painted Pavement Markings	Lump Sum	1		
	1.5.3	Reinstate Permanent Thermoplastic Pavement Markings	Lump Sum	1		
<b>32 31 13 Chain Link Fences &amp; Gates</b>						
	1.5.1	Rural Wire Fence	Lineal Metres	370		
	1.5.2	WTP Gate	Each	1		
<b>32 92 19 Hydraulic Seeding</b>						
	1.8.3	Erosion Control Blanket	Square Metres	110		

<b>32 92 20</b>	<b>Seeding</b>				
1.8.1	Seeding (Native Mix)	Square Metres	4,410		
<b>32 93 01</b>	<b>Planting of Trees, Shrubs &amp; Ground Cover</b>				
1.9.3	Trees, Shrubs and Ground Cover (Reed Road)	Lump Sum	1		
1.9.3	Trees, Shrubs and Ground Cover (WTP Site)	Lump Sum	1		
1.9.3	Trees, Shrubs and Ground Cover (Elphinstone/Well Site)	Lump Sum	1		

<b>33</b>	<b>Utilities</b>	<b>Sub Total</b>			
<b>Section</b>	<b>Para</b>	<b>Specification Title</b>	<b>Unit</b>	<b>Quantity</b>	<b>Unit Price</b>

Section	Para	Specification Title	Unit	Quantity	Unit Price	Amount
<b>33 11 01</b>	<b>Waterworks</b>					
1.8.2	Payment for watermain includes asphalt saw cutting, trench excavation, disposal of surplus excavated material, bedding, supply and installation of all pipe, bolts, gaskets and tie-rods, imported or native backfill as specified, cleaning, pressure and leakage testing, flushing, disinfection and surface restoration under 31 23 01		Note			
1.8.1,	<b>Watermain HDPE</b>		Lineal Metres	2,400		
1.8.2	350 mm diameter					
1.8.1,	<b>Watermain DI</b>		Lineal Metres	1,200		
1.8.2	300 mm diameter					
1.8.1,	<b>Watermain HDPE</b>		Lineal Metres	260		
1.8.2	300 mm diameter					
1.8.1,	<b>Watermain HDPE</b>		Lineal Metres	70		
1.8.2	250 mm diameter					
1.8.1,	<b>Watermain DI</b>		Lineal Metres	370		
1.8.2	200 mm diameter					
1.8.1,	<b>Watermain HDPE</b>		Lineal Metres	270		
1.8.2	150 mm diameter					
1.8.1,	<b>Watermain HDPE</b>		Lineal Metres	40		
1.8.2	150 mm diameter - Slope Near Wells					
1.8.3	<b>In-line Gate Valves 350mm</b>		Each	9		
1.8.3	<b>In-line Gate Valves 300mm</b>		Each	17		
1.8.3	<b>In-line Gate Valves 250mm</b>		Each	1		
1.8.3	<b>In-line Gate Valves 200mm</b>		Each	1		
1.8.3	<b>In-line Gate Valves 150mm</b>		Each	2		
1.8.3	<b>Tee 300mm</b>		Each	4		
1.8.3	<b>Tee 300mm x 150mm</b>		Each	4		
1.8.3	<b>Tee 350mm x 150mm</b>		Each	2		
1.8.3	<b>Tee 200mm x 150mm</b>		Each	2		
1.8.3	<b>Tee 250mm</b>		Each	1		
1.8.3	<b>Tee 200mm</b>		Each	1		
1.8.3	<b>Cross 300mm</b>		Each	1		
1.8.3	<b>Bend</b> 350mm diameter 90 Degree HDPE		Each	7		
1.8.3	<b>Bend</b> 300mm diameter 90 Degree HDPE		Each	1		
1.8.3	<b>Bend</b> 300mm diameter 45 Degree HDPE		Each	1		
1.8.3	<b>Bend</b> 300mm diameter 11.25 Degree HDPE		Each	4		
1.8.3	<b>Bend</b> 300mm diameter 90 Degree DI		Each	2		
1.8.3	<b>Bend</b> 300mm diameter 45 Degree DI		Each	3		
1.8.3	<b>Bend</b> 200mm diameter 11.25 Degree DI		Each	4		
1.8.3	<b>Bend</b> 200mm diameter 22.5 Degree DI		Each	1		
1.8.3	<b>Bend</b> 200mm diameter 45 Degree DI		Each	4		
1.8.3	<b>Bend</b> 200mm diameter 90 Degree DI		Each	2		

1.8.3	<b>Bend</b> 150mm diameter 90 Degree HDPE	Each	1		
1.8.3	<b>Bend</b> 150mm diameter 45 Degree HDPE	Each	1		
1.8.3	<b>Bend</b> 150mm diameter 11.25 Degree HDPE	Each	4		
1.8.3	<b>Flange Adaptor</b> 350mm diameter HDPE	Each	14		
1.8.3	<b>Flange Adaptor</b> 300mm diameter HDPE	Each	2		
1.8.3	<b>Flange Adaptor</b> 250mm diameter HDPE	Each	2		
1.8.3	<b>Reducer</b> 350mm X 300mm diameter	Each	1		
1.8.3	<b>Reducer</b> 300mm X 250mm diameter	Each	1		
1.8.3	<b>Reducer</b> 300mm X 150mm diameter	Each	2		
1.8.3	<b>Reducer</b> 200mm X 150mm diameter	Each	2		
1.8.3	<b>Blind Flange</b> 300mm diameter	Each	2		
1.8.4	<b>Water Service Connections</b>	Each	40		
1.8.5	<b>100mm Dia Flush Valve Assembly</b>	Each	1		
1.8.5	<b>Flush Valve Assembly</b>	Each	3		
1.8.5	<b>Air-Release /Air Vacuum or Combination Air Valves &amp; Apparatus</b>	Each	5		
1.8.6	<b>Air Valve Chamber</b>	Each	5		
1.8.14	<b>Reinstate Hydrant Assembly</b>	Each	4		
1.8.14	<b>New Hydrant Assembly</b>	Each	6		
1.8.9	<b>Pipe Insulation</b>	Lineal Metres	50		
1.8.9	<b>Pipe Anchors to Slope (Well Mitigation Line )</b>	Each	10		
1.8.9	<b>Concrete Encasement, Anchor Blocks</b>	Each	18		
1.8.9	<b>Concrete Encasement, Thrust Blocks</b>	Each	24		
1.8.13	<b>Watermain Tie -In</b>	Each	5		
<b>33 30 01</b>	<b>Sanitary Sewers</b>				
1.6.2	Payment for sanitary sewers includes saw cutting,trench excavation, disposal of surplus excavated material, bedding, supply and installation of all pipe, fittings and related material, imported or native backfill as specified, cleaning, flushing and testing, and surface restoration under 31 23 01	Note			
1.6.1, 1.6.2	<b>Sewer Pipe PVC</b> 100 mm diameter	Lineal Metres	21		
1.6.1, 1.6.2	<b>Sewer Pipe PVC</b> 150 mm diameter	Lineal Metres	11		
1.6.1, 1.6.2	<b>Sewer Pipe PVC</b> 200 mm diameter	Lineal Metres	28		
1.6.4	<b>Cleanouts</b>	Each	5		
33 44 01	<b>Manhole</b>	Each	2		
1.5.1.1	<b>Dechlorination Chamber and Manhole</b>	Each	1		
<b>33 42 13</b>	<b>Pipe Culvert</b>				
1.5.2	Payment for pipe culverts includes saw cutting,trench excavation, disposal of surplus excavated material, bedding, supply and installation of all pipe, fittings and related material, imported or native backfill as specified, cleaning, and surface restoration under 31 23 01	Note			
1.5.1, 1.5.2	<b>Culvert Pipe HDPE</b> 450mm	Lineal Metres	100		
1.5.1, 1.5.2	<b>Culvert Pipe CSP</b> 500mm including Coupler	Lineal Metres	10		
1.5.3	<b>End Walls</b> Fibreglass	Each	1		
1.5.3	<b>End Walls</b>	Each	50		
	<b>Grillage / Trash Screen</b>	Each	1		

2.0	<b>Structural</b>			
2.1	<b>WTP Building</b>			
2.1.1	Building Concrete Foundation, Aprons, Generator Pad, Kiosk Pad	LS	1	
2.1.2	Timber Structure	LS	1	
2.1.3	Building Envelope & Openings	LS	1	
2.1.4	Steel Frame & Crane	LS	1	
2.2	<b>Grantham Reservoir</b>			
2.2.1	Reservoir Piping Tie-in	LS	1	
2.2.2	Tie-in Structure & Foundation	LS	1	
2.2.3	New Reservoir Siding	LS	1	
2.2.4	Baffle Retrofit	LS	1	
2.3	<b>Lock-Block Retaining Wall (03 40 01)</b>			
2.3.1	Lock-Block Retaining Wall (03 40 01)	LS	1	
	<b>Subtotal</b>			
3.0	<b>Process Mechanical</b>			
3.1	WTP Pipes, Fittings, Valves	LS	1	
3.1	Treatment Equipment	LS	1	
3.2	WTP Distribution Booster Pumps and Motors	ea	3	
3.3	Well Submersible Pumps and Motors	ea	3	
3.6	Well Completion	ea	2	
3.7	Commissioning	LS	1	
	<b>Subtotal</b>			
4.0	<b>Building Mechanical</b>			
4.1	WTP Plumbing Works	LS	1	
4.2	WTP Heating and Ventilation Works	LS	1	
	<b>Subtotal</b>			
5.0	<b>EI&amp;C</b>			
5.1	WTP Electrical Works	LS	1	
5.2	WTP Instrumentation	LS	1	
5.3	Service Connection and 3 Phase Power	LS	1	
5.4	Power and Control Cable from WTP to Well (300m)	LS	1	
5.5	Pull boxes	ea	2	
5.6	WTP Backup Generator	LS	1	
5.7	WTP Motor Control Centre (includes ATS)	LS	1	
5.8	WTP Active Harmonic Filter	LS	1	
5.9	WTP Control Section	LS	1	
5.10	Well Pump Kiosk	ea	2	
5.11	Trenching Excavation, and Backfill	Inm	300	
5.12'	Flow Monitoring Station	LS	1	
	<b>Subtotal</b>			
	<b>Total</b>			