

Construction of Roads, stormwater, sewer, water and various upgrades to surrounding intersections (Package B)

RFP 027.2025

COMBINED SUMMARY

SCHEDULE	DESCRIPTION	AMOUNT
A.1	GENERAL	
A.2	SOCIO ECONOMIC	
B.1	HYDROLOGY ROAD	
B.2	SEFATANANGA ROAD	
C	STORMWATER	
D	EXTERNAL WATER	
E	EXTERNAL SEWER	
F.1	UPGRADE OF EXTERNAL INTERSECTIONS & REPROGRAMMING - SIMOM VERMOOTEN & ALWYN	
F.2	UPGRADE OF EXTERNAL INTERSECTIONS & REPROGRAMMING - WATLOO & SIMON VERMOOTEN	
F.3	UPGRADE OF EXTERNAL INTERSECTIONS & REPROGRAMMING - WATLOO & STORMVOEL	
	SUB TOTAL 1	R -
	ADD 5% CONTINGENCY	R -
	SUB TOTAL 2	R -
	ADD 15 % VAT	R -
	TOTAL CARRIED FORWARD TO FORM OF OFFER	

Construction of Roads, stormwater, sewer, water and various upgrades to surrounding intersections (Package B)						RFP 027.2025
SCHEDULE A - GENERAL						
ITEM	PAYMENT	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
1	SABS 1200 A	SECTION 1 : GENERAL				
1.1	8.3	Fixed-Charge Items				
1.1.1	8.3.1	Contractual Requirements	Sum	1		
1.1.2	8.3.2	Establishment of facilities on site				
1.1.2.1	8.3.2.1	Facilities for Engineer				
	PSAB 1.2	a) Office buildings	Sum	1		
	PSA 2.2	b) Survey Equipment	Sum	1		
1.1.2.2		Facilities for Contractor				
	C4.6.1	a) Office and Storage sheds	Sum	1		
		b) Workshops	Sum	1		
	C4.5.3	e) Ablution and latrine facilities	Sum	1		
		f) Tools and equipment	Sum	1		
	C4.5.1 & C4.5.2	g) Water supplies, electrical power and communications.	Sum	1		
		h) Dealing with water	Sum	1		
		i) Contract board	Sum	1		
		j) Security	Sum	1		
1.1.3	8.3.3.	Other Fixed Charged Obligations - Tender items must be fully specified.				
			Sum	1		
			Sum	1		
1.1.4	8.3.4 & PSA 1.1.1	Removal of Site Establishment	Sum	1		
1.1.5	PSA 1.3	Complying with the requirements of the Occupational Health and Safety Act in accordance with the project specification. Prior to pricing the principal contractor must familiarize him/herself with the Occupational Health and Safety Act and Regulations, (Act 85 of 1993), read with Construction Regulations 2014, other relevant Regulations, the Disaster Management Act, (57 OF 2002) read with COVID-19 Regulations. It is imperative for the Contractor to familiarize him/herself on the Clients project specific requirements defined in the Project Specific Health and Safety Specifications.	Sum	1		
1.1.6	PSA 1.4	Checking of Road reserve boundaries & Erf Pegs	Sum	1		
1.1.7	PSA 2.5	Construction roads	Sum	1		
		Additional				
1.18		Allow for Environmental Management in line with the Environmental Management Programme for Samcor Park x11,12 &13	Sum	1		
TOTAL CARRIED FORWARD						

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SCHEDULE A - GENERAL						
ITEM	PAYMENT	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
TOTAL BROUGHT FORWARD						
1.2	8.4 & PSA 1.1.2	Scheduled Time-Related Items				
Note: Contractor to insert the quantities as per his methodology						
1.2.1	8.4.1, and Sections C1-C5	Contractual Requirements	Month			-
1.2.2	8.4.2 & PSA 2.3	Operation and Maintenance Facilities on site for duration of construction, except where otherwise stated.				
1.2.2.1		Facilities for Engineer:				
	PSAB 1.2	a) Office buildings	Month			-
	PSA 2.2	b) Survey equipment	Month			-
1.2.2.2	8.4.2.2 & C4.7	Facilities for Contractor				
	C4.7.1	a) Office and Storage sheds	Month			-
		b) Workshops	Month			-
	C4.6.3	e) Ablution and latrine facilities	Month			-
		f) Tools and equipment	Month			-
	C4.6.1 & C4.6.2	g) Water supplies, electric power and communications.	Month			-
		h) Security (Incl. Chaperone)	Month			-
1.2.3	8.4.3 & PSA 2.1	Supervision for Duration of Construction	Month			-
1.2.4	8.4.4	Company and Head Office Overhead Costs for the duration of the Contract	Month			-
1.2.5	8.4.5	Other Time-related Obligations- Tender items must be fully specified.				
			Month			-
			Month			-
		Complying with the requirements of the Occupational Health and Safety Act in accordance with the project specification. Prior to pricing the principal contractor must familiarize him/herself with the Occupational Health and Safety Act and Regulations, (Act 85 of 1993), read with Construction Regulations 2014, other relevant Regulations, the Disaster Management Act, (57 OF 2002) read with COVID-19 Regulations. It is imperative for the Contractor to familiarize him/herself on the Clients project specific requirements defined in the Project Specific Health and Safety Specifications.				
1.2.6	PSA 1.3		Month			
1.3	8.6	Prime Cost Items				
1.3.1	PSA 1.2.1	a) Prime cost item for control tests by an outside laboratory as ordered by the Employers Agent	PCSum	1	30 000,00	R 30 000,00
	PSA 1.2.2	b) Overheads, charges and profit on a) above	%			
1.4	PSA 2.4	Dealing with water during construction	Sum	1		
		Additional				
1.5		Allow for Environmental Management in line with the Environmental Management Programme for Samcor Park x11,12 &13	Month			
TOTAL CARRIED FORWARD						

SCHEDULE A - GENERAL**TOTAL CARRIED FORWARD TO COMBINED SUMMARY**

SCHEDULE A.2 - SOCIO ECONOMIC

Item No.	Description	Unit	Qty	Rate	Amount
	<u>SOCIO-ECONOMIC REQUIREMENTS</u>				
	All socio-economic related costs will be paid on a proven cost basis.				
	MINIMUM LOCAL LABOUR EMPLOYMENT OBLIGATION (REF. SECTION 7 OF THE PROJECT EMPLOYMENT RELATIONS POLICY) NUMBER: 50				
	Site Employment Relations Practitioner				
1	Employment Relations Practitioner remuneration (Provisional Sum for duration of contract)	PSum	1	400 000	400 000
	Overheads, charges and profit on item above	%	400 000		
2	All associated other costs, including tools of the trade, safety equipment etc.(Provisional Sum)	PSum	1	25 000	25 000
	Overheads, charges and profit on item above	%	25 000		
	Central Wage Bureau				
3	Cost per payslip processed (Ref. 14.9 of Project Employment Relations Policy explaining Central Wage Bureau Service) (Provisional Sum) .	PSum	1	60 000	60 000
	Overheads, charges and profit on item above	%	60 000		
	Graduate Internships in Built Environment				
	The Contractor is to note that a total of 2 No. Interns are to be mentored for the duration of the project.				
4	Stipend (2 Interns) (Provisional Sum)	Psum	1	200 000	200 000
	Overheads, charges and profit on item above	%	200 000		
5	Provision to cover access to Tools of Trade (Provisional Sum)	Sum	1	30 000	50 000
	Overheads, charges and profit on item above	%	50 000		
	Training				
6	Allow provision for technical accredited skills training (To be managed by the client)	PSum	1	335 000	335 000
	Overheads, charges and profit on item above	%	335 000		
	Other Training and Development Interventions				
	<u>Community Participation / Engagement</u>				
7	Community participation gratuities to cover logistics costs - meeting venue, refreshments. etc. (Provisional Sum)	PSum	1	20 000	20 000
	Overheads, charges and profit on item above	%	20 000		
TOTAL CARRIED FORWARD TO COMBINED SUMMARY					

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SCHEDULE B.1 - HYDROLOGY ROAD

ITEM	PAYMENT	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
1		SECTION 1: ACCOMMODATION OF TRAFFIC AND EXISTING SERVICES				
1,1	SABS 1200 A	GENERAL				
1.1.1	8.8.2 & PSA 1.7	Temporary Works				
		Dealing with Traffic				
		a) Supply, erect, maintain, move around and remove temporary road signs of 1.4mm thick chromadek sheeting, background of material Class I:				
		(i) TR201 - 1200mm	No	8		
		(ii) TR104 - 1200mm	No	8		
		(iii) TW336 - 1200mm	No	8		
		(iv) Delineators - single sided TW401 - 1000x250mm	No	40		
		(v) Yellow water filled barriers with red reflective tape	No	20		
		(vi) TGS133/134 - 1200x2400mm	No	4		
		(vii) TIN11.4 - 1200mm	No	4		
		(viii) TIN 11.3 - 1200mm	No	4		
		(ix) TGS Special - 1200x2400mm	No	4		
		(x) TW413 - 466x800mm	No	4		
		b) Allowance for accomodation of traffic for duration of the contract (excluding items measured above)	Sum	1		
1,2	8.8.4	Existing Services				
		c) Excavation by hand in all material to expose existing underground services	m³	100		
TOTAL CARRIED FORWARD TO SUMMARY						

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SCHEDULE B.1 - HYDROLOGY ROAD

ITEM	PAYMENT	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
2,1	SABS 1200 C	SECTION 2: SITE CLEARANCE				
2.1.1	8.2.1 & PSC 1.1	SITE CLEARANCE Clear and grub the following areas (incl all trees, bushes, scrubs and rubble, etc.): b) Road Reserve	ha	1,1		
2.1.2	8.2.8	Demolish and remove structures: a) Existing concrete kerbs and walkway and store for later reuse, 10% breakage allowable	PSum	1	10 000,00	R 10 000,00
2.1.3	SABS 1200 MM 8.3.7	b) Temporary dismantle and re-erection of road signs of any surface area Relocation of existing services	No Psum	2 1	 125 000,00	 R 125 000,00
TOTAL CARRIED FORWARD TO SUMMARY						

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SCHEDULE B.1 - HYDROLOGY ROAD

ITEM	PAYMENT	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
3,1	SABS 1200 DM	SECTION 3: ROADS				
		EARTHWORKS (ROADS & SUBGRADE)				
3.1.1	8.3.2 & PSC 1.2	Preparation of Site				
		a) Preparation and removal of topsoil material up to a depth of 150mm deep, stockpiling and maintaining	m ³	1 815		
3.1.2	8.3.3	Treatment of road-bed				
		(a) Road-bed preparation and compaction to 90% MDD	m ³	798		
3.1.3	8.3.4, PSDM 2.6 & 5.2	Cut to fill				
		a) Compact in layers of 150 mm to 90% MDD	m ³	220		
3.1.4	8.3.4, PSDM 5.2 & 2.6	Borrow to fill from stockpile				
		a) Compact in layers of 150 mm to 90% MDD	m ³	220		
3.1.6	8.3.7, PSDM 2.6	Cut to Spoil (approved dump site)	m ³	3 025		
3.1.7	8.3.5 & PSDM 1.3	Construct 150mm thick gravel layers from sources provided by the contractor, minimum G7 specification, compacted to 93% MDD	m ³	770		
3.1.8	8.3.5 & PSDM 1.3	Construct 150mm thick gravel layer from stockpile, minimum G8 specification, compacted to 93% MDD	m ³	1 210		
3.1.9	8.3.6 & PSD 5.4	Extra-over items 3.1.3 to 3.1.5 for hard excavation	m ³	55		
3,2	SABS 1200 ME	SUBBASE				
3.2.1	8.3.3	Construct subbase with minimum G6 quality material from commercial sources or other sources provided by the contractor compacted to 95% MDD	m ³	688		
3.2.2	8.3.5	Process subbase material by the following process and use in subbase:				
		a) Stabilisation	m ³	688		
3.2.3	8.3.8	Stabilising agent				
		a) Portland cement (CEM II A-L 32.5 MPa or similar approved)	t	47		
TOTAL CARRIED FORWARD						

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SCHEDULE B.1 - HYDROLOGY ROAD

ITEM	PAYMENT	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
TOTAL BROUGHT FORWARD						
3,3	SABS 1200 MF	BASE				
3.3.1	8.3.3 & PSMF	Construct base with material from commercial sources: a) G1 Graded crushed stone Compacted to 88% apparent density in 150mm layers b) Trail Section	m ³ m ²	633 204		Rate Only
2.3.2		Construct base with material from commercial sources: a) Emulsion stabilised base layer (BSM 2 with G5 Material or better), compacted to 102% MDD	m ³	633		
3,4	SABS 1200 MH	ASPHALT BASE AND SURFACING				
3.4.1	8.5.1	Prime Coat a) E-prime (@1.0ℓ/ m ²)	ℓ	4 125		
3.4.2	8.5.3	Tack Coat a) 30% Cationic emulsion	ℓ	2 475		
3.4.3	8.5.4, PSMH	Place continuously graded medium asphalt surface with 50/70 Pen. Bitumen as binder, 30 mm thick on newly constructed roads	m ²	4 125		
3,5	SABS 1200 MJ	SEGMENTED PAVING (WALKWAYS)				
3.5.1	8.2.2 and PSMJ 1.1	Construction of block paving as specified on 20 mm bedding sand, including cutting of units: a) 50 mm interlocking paving grey	m ²	1 711		
3.5.2	SABS 1200 DM 8.3.3	Roadbed preparation and compaction to 90% MDD	m ³	297		
3.5.3	SABS 1200 ME, 8.3.3	Construct subbase with minimum G6 quality material from commercial sources compacted to 95% MDD	m ³	297		
3.5.4	SABS 1200 ME, 8.3.5	Process subbase material by the following process and use in subbase: a) Stabilisation	m ³	297		
3.2.3	8.3.8	Stabilising agent a) Portland cement (CEM II A-L 32.5 MPa or similar approved)	t	17		
3,6	SABS 1200 MK	CONCRETE KERBING AND CHANNELLING				
3.6.1	8.2.1	Supply and cast 200 x 200mm edge beams on straight and curved sections with 10mm bitumen impregnated softboard joints a) Class 25/19 MPa concrete	m	36		
TOTAL CARRIED FORWARD						

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SCHEDULE B.1 - HYDROLOGY ROAD						
ITEM	PAYMENT	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
TOTAL BROUGHT FORWARD						
3.6.2	8.2.2	Supply and install Fig 7 precast kerbs + 150mm channel combination on straight and curved sections, with 10mm bitumen impregnated soft board joints a) Class 30/19 MPa concrete	m	1210		
3.6.3	8.2.1	Supply and install Fig 10 precast kerbs on straight and curved sections for sidewalks	m	935		
3.6.4	8.2.1	Supply and install Fig 3 precast kerbs on straight and curved sections for busbays	m	44		
3.6.6	8.2.6.1	Supply and cast kerbs on curved sections with a radius less than 1m (Concrete Bullnoses) a) Class 25/19 MPa concrete	No	1		
3.6.7	8.2.6.1	Transitions (min 1m length)	No	6		
3.6.8	8.2.6	Wheelchair ramps according to COT standard STD 009	No	11		
3.6.9		Extra-over item 3.6.8 above for variations on standard	P.Sum	1	10 000,00	R 10 000,00
3.6.10	PSDM 5.3	Working of sidewalks or road reserve, cuts and fills (post electrical installation by others)	m ²	2 750		
3,7	SABS 1200 MM	ANCILLARY ROADWORKS				
3.7.1	8.3.2 & PSMM 2.1	Road Signs a) Standard regulating, information and warning signs to be high intensity prismatic Class 3, including galvanised D-section pole, foundation etc. complete: (i) R1 (900mm) (ii) R2.1 (900mm) (iii) R2.2 (900mm) (iv) R201 - 60 (900mm) (v) R103 + W402 (600mm) (vi) R327 (900mm) (vii) W114 (900mm) (viii) W202/203 (900mm)	No No No No No No No No	3 2 1 1 2 2		Rate Only Rate Only
TOTAL CARRIED FORWARD						

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SCHEDULE B.1 - HYDROLOGY ROAD

ITEM	PAYMENT	DESCRIPTION	UNIT	QTY	RATE	AMOUNT	
TOTAL BROUGHT FORWARD							
3.7.2	8.4.1	(ix) W332 (900mm)	No			Rate Only	
		(x) W416/417 (300 x 600mm)	No	1			
		(xi) W413 (900mm)	No			Rate Only	
		(xii) GL2 (205mm)	No	3			
		(xiii) R105 & W408 (900mm)	No			Rate Only	
		(xiv) GD1 + W409 (2700mm)	No	1			
		(xv) Any other signs not listed above	Prov Sum	1	10 000,00	R 10 000,00	
		8.4.1	Road Markings with thermoplastic paint and reflective beads, with paint thickness not less than 1.2mm. Reflective beads premix application rate 35%. White lines and symbols with initial coefficient of retro-reflectivity 200 mini Candelas/LUX/m2. Yellow lines and symbols with initial coefficient of retro-reflectivity 135 mini Candelas/LUX/m2.				
	PSMM1.2	a) White line 100 mm wide (broken or solid)	m	550			
		b) White line 300 mm wide (broken or solid)	m	30			
		c) Yellow line 100 mm wide (broken or solid)	m	75			
		d) White or yellow characters and symbols	m ²	8			
		e) Traffic island marking (any color)	m ²	18			
		f) Kerb painting (Black & White)	m	75			
g) Road Studs (Any Colour)		No	10				
3.7.3	8.4.4	Setting out and premarking					
		a) Lines	m	600			
		b) Special markings (Traffic Islands, Characters and Symbols)	m ²	26			
TOTAL CARRIED FORWARD							

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SCHEDULE B.1 - HYDROLOGY ROAD

ITEM	PAYMENT	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
4,1	SABS 1200 LC	SECTION 4 : CABLE DUCTS				
4.1	SABS 1200 LC	CABLE DUCTS				
4.1.1	8.2.2 & PSLC 3.1	Excavate in all materials for trenches after bulk excavation for roads, backfill, compact and dispose of surplus material for pipes up to and including 160 mm nominal diameter	m ³	50		
4.1.2	8.2.5 & PSLC 3.2	Supply, lay, bed and prove ducts including draw wire				
		a) 100 mm diam HDPE pipes for Electrical sleeves, Nextube or similar	m	120		
		b) 160 mm diam HDPE pipes for Electrical sleeves, Nextube or similar	m	40		
4.1.3	8.2.6	Bedding material:				
		a) Supply and install bedding from trench excavations for electrical sleeves	m ³	30		
		b) Selected fill material from trench excavations for electrical sleeves	m ³	30		
TOTAL CARRIED FORWARD TO SUMMARY						

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SUMMARY OF SCHEDULE B - HYDROLOGY ROAD

SECTION	DESCRIPTION	AMOUNT
1	ACCOMODATION OF TRAFFIC AND EXISTING SERVICES	
2	SITE CLEARANCE	
3	ROADS	
4	CABLE DUCTS	
	TOTAL SCHEDULE B CARRIED FORWARD TO COMBINED SUMMARY	

Construction of Roads, stormwater, sewer, water and various upgrades to surrounding intersections (Package B)

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SCHEDULE B.2 - SEFATANAGA ROAD

ITEM	PAYMENT	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
1		SECTION 1: ACCOMMODATION OF TRAFFIC AND EXISTING SERVICES				
1,1	SABS 1200 A	GENERAL				
1.1.1	8.8.2 & PSA 1.7	Temporary Works				
		Dealing with Traffic				
		a) Supply, erect, maintain, move around and remove temporary road signs of 1.4mm thick chromadek sheeting, background of material Class I:				
		(i) TR201 - 1200mm	No	8		
		(ii) TR104 - 1200mm	No	8		
		(iii) TW336 - 1200mm	No	8		
		(iv) Delineators - single sided TW401 - 1000x250mm	No	40		
		(v) Yellow water filled barriers with red reflective tape	No	20		
		(vi) TGS133/134 - 1200x2400mm	No	4		
		(vii) TIN11.4 - 1200mm	No	4		
		(viii) TIN 11.3 - 1200mm	No	4		
		(ix) TGS Special - 1200x2400mm	No	4		
		(x) TW413 - 466x800mm	No	4		
		b) Allowance for accomodation of traffic for duration of the contract (excluding items measured above)	Sum	1		
1,2	8.8.4	Existing Services				
		c) Excavation by hand in all material to expose existing underground services	m ³	100		
TOTAL CARRIED FORWARD TO SUMMARY						

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SCHEDULE B.2 - SEFATANAGA ROAD

ITEM	PAYMENT	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
2,1	SABS 1200 C	SECTION 2: SITE CLEARANCE				
		SITE CLEARANCE				
2.1.1	8.2.1 & PSC 1.1	Clear and grub the following areas (incl all trees, bushes, scrubs and rubble, etc.):				
		b) Road Reserve	ha	0,9		
2.1.2	8.2.8	Demolish and remove structures:				
		a) Existing concrete kerbs and walkway and store for later reuse, 10% breakage allowable	PSum	1	10 000,00	R 10 000,00
2.1.3	SABS 1200 MM 8.3.7	b) Temporary dismantle and re-erection of road signs of any surface area	No	1		
		Relocation of existing services	PSum	1	125 000,00	R 125 000,00
TOTAL CARRIED FORWARD TO SUMMARY						

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SCHEDULE B.2 - SEFATANAGA ROAD

ITEM	PAYMENT	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
3,1	SABS 1200 DM	SECTION 3: ROADS				
		EARTHWORKS (ROADS & SUBGRADE)				
3.1.1	8.3.2 & PSC 1.2	Preparation of Site				
		a) Preparation and removal of topsoil material up to a depth of 150mm deep, stockpiling and maintaining	m ³	1 485		
3.1.2	8.3.3	Treatment of road-bed				
		(a) Road-bed preparation and compaction to 90% MDD	m ³	652		
3.1.3	8.3.4, PSDM 2.6 & 5.2	Cut to fill				
		a) Compact in layers of 150 mm to 90% MDD	m ³	180		
3.1.4	8.3.4, PSDM 5.2 & 2.6	Borrow to fill from stockpile				
		a) Compact in layers of 150 mm to 90% MDD	m ³	180		
3.1.6	8.3.7, PSDM 2.6	Cut to Spoil (approved dump site)	m ³	2 475		
3.1.7	8.3.5 & PSDM 1.3	Construct 150mm thick gravel layers from sources provided by the contractor, minimum G7 specification, compacted to 93% MDD	m ³	630		
3.1.8	8.3.5 & PSDM 1.3	Construct 150mm thick gravel layer from stockpile, minimum G8 specification, compacted to 93% MDD	m ³	990		
3.1.9	8.3.6 & PSD 5.4	Extra-over items 3.1.3 to 3.1.5 for hard excavation	m ³	45		
3,2	SABS 1200 ME	SUBBASE				
3.2.1	8.3.3	Construct subbase with minimum G6 quality material from commercial sources or other sources provided by the contractor compacted to 95% MDD	m ³	562		
3.2.2	8.3.5	Process subbase material by the following process and use in subbase:				
		a) Stabilisation	m ³	562		
3.2.3	8.3.8	Stabilising agent				
		a) Portland cement (CEM II A-L 32.5 MPa or similar approved)	t	38		
TOTAL CARRIED FORWARD						

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SCHEDULE B.2 - SEFATANAGA ROAD

ITEM	PAYMENT	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
TOTAL BROUGHT FORWARD						
3,3	SABS 1200 MF	BASE				
3.3.1	8.3.3 & PSMF	Construct base with material from commercial sources: a) G1 Graded crushed stone Compacted to 88% apparent density in 150mm layers b) Trail Section	m ³ m ²	517 166		Rate Only
2.3.2		Construct base with material from commercial sources: a) Emulsion stabilised base layer (BSM 2 with G5 Material or better), compacted to 102% MDD	m ³			
3,4	SABS 1200 MH	ASPHALT BASE AND SURFACING				
3.4.1	8.5.1	Prime Coat a) E-prime (@1.0ℓ/ m ²)	ℓ	3 375		
3.4.2	8.5.3	Tack Coat a) 30% Cationic emulsion	ℓ	2 025		
3.4.3	8.5.4, PSMH	Place continuously graded medium asphalt surface with 50/70 Pen. Bitumen as binder, 30 mm thick on newly constructed roads	m ²	3 375		
3,5	SABS 1200 MJ	SEGMENTED PAVING (WALKWAYS)				
3.5.1	8.2.2 and PSMJ 1.1	Construction of block paving as specified on 20 mm bedding sand, including cutting of units: a) 50 mm interlocking paving grey	m ²	1 399		
3.5.2	SABS 1200 DM 8.3.3	Roadbed preparation and compaction to 90% MDD	m ³	210		
3.5.3	SABS 1200 ME, 8.3.3	Construct subbase with minimum G6 quality material from commercial sources compacted to 95% MDD	m ³	210		
3.5.4	SABS 1200 ME, 8.3.5	Process subbase material by the following process and use in subbase: a) Stabilisation	m ³	210		
3.2.3	8.3.8	Stabilising agent a) Portland cement (CEM II A-L 32.5 MPa or similar approved)	t	13		
3,6	SABS 1200 MK	CONCRETE KERBING AND CHANNELLING				
3.6.1	8.2.1	Supply and cast 200 x 200mm edge beams on straight and curved sections with 10mm bitumen impregnated softboard joints a) Class 25/19 MPa concrete	m	29		
TOTAL CARRIED FORWARD						

Construction of Roads, stormwater, sewer, water and various upgrades to surrounding intersections (Package B)

SCHEDULE B.2 - SEFATANAGA ROAD

ITEM	PAYMENT	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
TOTAL BROUGHT FORWARD						
3.6.2	8.2.2	Supply and install Fig 7 precast kerbs + 150mm channel combination on straight and curved sections, with 10mm bitumen impregnated soft board joints a) Class 30/19 MPa concrete	m	990		
3.6.3	8.2.1	Supply and install Fig 10 precast kerbs on straight and curved sections for sidewalks	m	765		
3.6.4	8.2.1	Supply and install Fig 3 precast kerbs on straight and curved sections for busbays	m	36		
3.6.6	8.2.6.1	Supply and cast kerbs on curved sections with a radius less than 1m (Concrete Bullnoses) a) Class 25/19 MPa concrete	No	1		
3.6.7	8.2.6.1	Transitions (min 1m length)	No	5		
3.6.8	8.2.6	Wheelchair ramps according to COT standard STD 009	No	8		
3.6.9		Extra-over item 3.6.8 above for variations on standard	P.Sum	1	10 000,00	R 10 000,00
3.6.10	PSDM 5.3	Working of sidewalks or road reserve, cuts and fills (post electrical installation by others)	m ²	2 250		
3,7	SABS 1200 MM	ANCILLARY ROADWORKS				
3.7.1	8.3.2 & PSMM 2.1	Road Signs a) Standard regulating, information and warning signs to be high intensity prismatic Class 3, including galvanised D-section pole, foundation etc. complete: (i) R1 (900mm) (ii) R2.1 (900mm) (iii) R2.2 (900mm) (iv) R201 - 60 (900mm) (v) R103 + W402 (600mm) (vi) R327 (900mm) (vii) W114 (900mm) (viii) W202/203 (900mm)	No No No No No No No No	2 2 1 1 2 2		Rate Only Rate Only
TOTAL CARRIED FORWARD						

Construction of Roads, stormwater, sewer, water and various upgrades to surrounding intersections (Package B)

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SCHEDULE B.2 - SEFATANAGA ROAD

ITEM	PAYMENT	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
TOTAL BROUGHT FORWARD						
3.7.2	8.4.1	(ix) W332 (900mm)	No			Rate Only
		(x) W416/417 (300 x 600mm)	No	1		
		(xi) W413 (900mm)	No			Rate Only
		(xii) GL2 (205mm)	No	3		
		(xiii) R105 & W408 (900mm)	No			Rate Only
		(xiv) GD1 + W409 (2700mm)	No	1		
		(xv) Any other signs not listed above	Prov Sum	1	20 000,00	R 20 000,00
	PSMM1.2	Road Markings with thermoplastic paint and reflective beads, with paint thickness not less than 1.2mm. Reflective beads premix application rate 35%. White lines and symbols with initial coefficient of retro-reflectivity 200 mini Candelas/LUX/m2. Yellow lines and symbols with initial coefficient of retro-reflectivity 135 mini Candelas/LUX/m2.				
		a) White line 100 mm wide (broken or solid)	m	550		
		b) White line 300 mm wide (broken or solid)	m	30		
		c) Yellow line 100 mm wide (broken or solid)	m	75		
		d) White or yellow characters and symbols	m ²	8		
		e) Traffic island marking (any color)	m ²	18		
		f) Kerb painting (Black & White)	m	75		
3.7.3	8.4.4	g) Road Studs (Any Colour)	No	10		
		Setting out and premarking				
		a) Lines	m	600		
		b) Special markings (Traffic Islands, Characters and Symbols)	m ²	26		
TOTAL CARRIED FORWARD						

Construction of Roads, stormwater, sewer, water and various upgrades to surrounding intersections (Package B)

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SCHEDULE B.2 - SEFATANAGA ROAD

ITEM	PAYMENT	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
4,1	SABS 1200 LC	SECTION 4 : CABLE DUCTS				
		CABLE DUCTS				
4.1.1	8.2.2 & PSLC 3.1	Excavate in all materials for trenches after bulk excavation for roads, backfill, compact and dispose of surplus material for pipes up to and including 160 mm nominal diameter	m³	50		
4.1.2	8.2.5 & PSLC 3.2	Supply, lay, bed and prove ducts including draw wire				
		a) 100 mm diam HDPE pipes for Electrical sleeves, Nextube or similar	m	120		
		b) 160 mm diam HDPE pipes for Electrical sleeves, Nextube or similar	m	40		
4.1.3	8.2.6	Bedding material:				
		a) Supply and install bedding from trench excavations for electrical sleeves	m³	30		
		b) Selected fill material from trench excavations for electrical sleeves	m³	30		
TOTAL CARRIED FORWARD TO SUMMARY						

Construction of Roads, stormwater, sewer, water and various upgrades to surrounding intersections (Package B)
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SUMMARY OF SCHEDULE B - SEFATANAGA ROAD

SECTION	DESCRIPTION	AMOUNT
1	ACCOMODATION OF TRAFFIC AND EXISTING SERVICES	
2	SITE CLEARANCE	
3	ROADS	
4	CABLE DUCTS	
	TOTAL SCHEDULE B CARRIED FORWARD TO COMBINED SUMMARY	

SCHEDULE C - MUNICIPAL STORMWATER

ITEM	PAYMENT	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
1,1	SABS 1200 C	SECTION 1: SITE CLEARANCE				
1.1.1	8.2.1 & PSC 1.1	SITE CLEARANCE Clear and grub the following areas (incl all trees, bushes and scrubs etc.): c) Service routes (not in road reserve) at least 5m wide plus additional space for stockpiling material	m	50		
TOTAL CARRIED FORWARD TO SUMMARY						

SCHEDULE C - MUNICIPAL STORMWATER

ITEM	PAYMENT	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
2,1	SABS 1200 DB	SECTION 2: STORMWATER				
		EARTHWORKS (PIPE TRENCHES)				
2.1.1	8.2.1 & PSDB 1.1	Excavation				
		a) Excavate in all materials for trenches, pipe culverts including backfilling, compaction and disposal of surplus/unsuitable material for total trench depth:				
		(i) Exceeding 0,0 but not exceeding 2,0 m	m ³	1 432		
		(ii) Exceeding 2,0 but not exceeding 3,0 m	m ³	375		
		(iii) Exceeding 3,0 but not exceeding 4,0 m	m ³	42		
		(iv) Exceeding 4,0 but not exceeding 5,0 m	m ³			Rate Only
		(v) Exceeding 5,0 but not exceeding 6,0 m	m ³			
		b) Extra-over items (a) above for:				
		(i) Hard rock Excavation	m ³	10		
2,2	SABS 1200 LB	BEDDING				
2.2.1	8.2.1 & PSLB 1.1	Provision for bedding from Trench Excavation				
		a) Selected Granular Material	m ³	10		
		b) Selected Fill Material	m ³	480		
2.2.2	8.2.2	Supply only of Bedding by Importation				
2.2.3	8.2.2.3	From Commercial Sources				
		a) Selected Granular Material	m ³	290		
		b) Selected Fill Material	m ³	10		
		c) 19mm Stone	m ³	10		
2,3	SABS 1200 LE	STORMWATER DRAINAGE				
2.3.1	8.2.1, PSLE 1.1 & PSLE 2.1	Supply, lay and backfill Concrete Pipe Culverts including cutting, waste and skew ends:				
		a) Interlocking/ Ogee joint on Class B Bedding				
		(i) 450mm dia, Class 100D	m	85		
		(ii) 525mm dia, Class 100D	m			Rate Only
		(iii) 600mm dia, Class 75D	m			Rate Only
		(iv) 675mm dia, Class 75D	m			Rate Only
		(v) 750mm dia, Class 75D	m			Rate Only
		(vi) 825mm dia, Class 75D	m	265		
TOTAL CARRIED FORWARD						
TOTAL BROUGHT FORWARD						

SCHEDULE C - MUNICIPAL STORMWATER

ITEM	PAYMENT	DESCRIPTION	UNIT	QTY	RATE	AMOUNT	
2.3.2	8.2.8 & PSLE 2.2	(vii) 900mm dia, Class 50D	m	155			
		(viii) 1050mm dia, Class 50D	m			Rate Only	
		(ix) 1200mm dia, Class 50D	m			Rate Only	
		(x) 1350mm dia, Class 50D	m			Rate Only	
		Supply and Install Manholes, Catchpits and the like to CoT detail drawings					
		a) Junction boxes to detail drawings, 450mm up to 600mm dia pipes, up to a depth of 2m					
		(i) Type A	No	7			
		(ii) Type B	No	3			
		(iii) Type C	No				Rate Only
		(iv) Type D	No				Rate Only
		b) Junction boxes to detail drawings, 675mm up to 900mm dia pipes, up to a depth of 2m					
		(i) Type A	No				Rate Only
		(ii) Type B	No	2			
		(iii) Type C	No	1			
		(iv) Type D	No	5			
		c) Junction boxes to detail drawings, 1050mm up to 1350mm dia pipes, up to a depth of 2m					
		(i) Type A	No				Rate Only
		(ii) Type C	No	2			
		(iii) Type D	No	1			
		d) Bricking up stormwater pipes	No	2			
		e) Kerb inlets 2,0m long to detail drawings, including transitions as specified below					
		(i) 3 x 2 x 1m	No	13			
		f) Kerb inlets 2m long to detail drawings, including transitions as specified below					
		(i) 2 x 2 x 2m	No	2			
		g) Extra over items (a) to (c) for Field Inlet	No	1			
		h) Extra over items (a) to (f) for manhole	No	8			
TOTAL CARRIED FORWARD							
TOTAL BROUGHT FORWARD							

SCHEDULE C - MUNICIPAL STORMWATER

ITEM	PAYMENT	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
		i) Extra over items (a) to (b) for depth exceeding 2m but not 4m				
		(i) 450mm dia	m	12		
		(ii) 525mm dia	m			Rate Only
		(iii) 600mm dia	m			Rate Only
		(iv) 600mm dia	m			Rate Only
		(v) 750mm dia	m			Rate Only
		(vi) 825mm dia	m	12		
		(vii) 900mm dia	m	12		
		(viii) 1050mm dia	m			Rate Only
		(ix) 1200mm dia	m			Rate Only
		(x) 1350mm dia	m			Rate Only
		j) Outlets to detail drawings for pipe diameters specified below. Allowance for excavations, concrete, reinforcement, jointing, brickwork, compaction and shaping.				
		(iv) 1350mm dia	No	1		
2.3.3	PSLE 2.3	Subsurface drains to CoT detail drawing 7515 - S205, complete but earthworks measured under item 2.1.1				
		a) Type C, Kaytech HDPE drainage core or similar, 100mm Geopipe, 19mm stone and 200g/m ² Geotextile, 1,0m deep	m	300		
2,4	SABS 1200 DK	GABIONS AND PITCHING				
2.4.1	8.2.1 & PSDK 1.1	Surface preparation for bedding of gabions, reno mattresses and concrete drains/pitching				
		a) Cavities filled with approved excavated material or rock and compacted to 90% MDD	m ²	100		
2.4.2	8.2.2 & 8.2.3	Gabions:				
		a) Supply and install Gabions (Mesh Type 80 with 2.7mm Galvanised wire) complete including Y-standard poles				
		(i) 0.5 x 0.5 x 1m	m ³	10		
TOTAL CARRIED FORWARD						
TOTAL BROUGHT FORWARD						

SCHEDULE C - MUNICIPAL STORMWATER

ITEM	PAYMENT	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
2.4.3	8.2.5	Grouted Pitching (200mm thick)	m ²	50		
2.4.4	SABS 1200 GA 8.4.1	Cast in-situ concrete Invert slabs (Class 25/19)	m ³			Rate Only
2.4.5	SABS 1200 GA 8.3.1	High Tensile Welded Mesh 193	m ²			Rate Only
2.4.6	SABS 1200 DE 8.3.5, PSD 1.1 & 2.5	Forming Embankments/ berms (to a maximum height of 1.0m) with: a) Selected impervious material from excavations (Clayey material from Micropool) compacted to 90% MDD	m ³	100		
2.4.7	SABS 1200 D 8.3.2	Excavate in all materials and dispose	m ³			Rate Only
2.4.8		Boulder packing by selecting from site sources (>300mm dia or 50kg) and placing (by machine), pressing into clayey material or compacting to act as embedded rip-rap	m ³			Rate Only
2.5	SABS 1200 A 8.3.10	Topsoiling	m ³			Rate Only
2.6		Marking or marker on kerb to CoT STD 007 Sheet 2 of 2	No			Rate Only
2.7	SABS 1200 D 8.3.11	Grassing by hydroseeding to typical field mixture, including all fertilizer and anti-erosion supplements	ha	1,0		
TOTAL CARRIED FORWARD TO SUMMARY						

Construction of Roads, stormwater, sewer, water and various upgrades to surrounding intersections (Package B)

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SUMMARY OF SCHEDULE C - MUNICIPAL STORMWATER

SECTION	DESCRIPTION	AMOUNT
1	SITE CLEARANCE	
2	STORMWATER	
	TOTAL SCHEDULE D CARRIED FORWARD TO COMBINED SUMMARY	

Construction of Roads, stormwater, sewer, water and various upgrades to surrounding intersections (Package B)						RFP 027.2025
SCHEDULE D - MUN WATER						
ITEM	PAYMENT	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
1,1	SABS 1200 C	SECTION 1: SITE CLEARANCE				
1.1.1	8.2.1 & PSC 1.1	SITE CLEARANCE				
		Clear and grub the following areas (incl all trees, bushes and scrubs etc.):				
		c) Service routes (not in road reserve) at least 5m wide plus additional space for stockpiling material	m	50		
TOTAL CARRIED FORWARD TO SUMMARY						

Construction of Roads, stormwater, sewer, water and various upgrades to surrounding intersections (Package B)						RFP 027.2025
SCHEDULE D - MUN WATER						
ITEM	PAYMENT	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
2,1	SABS 1200 DB	SECTION 2: WATER SUPPLY				
		EXCAVATION (Pipe trenches)				
2.1.1	8.3.2(a) & PSDB 1.1	Excavation in all material for trenches including backfilling, compaction and disposal of surplus / unsuitable material for up to and including 450mm nominal diameter, for total trench depth:				
		(a) Exceeding 0,0 but not exceeding 2,0 m	m ³	1 600		Rate Only
		(b) Exceeding 2,0 but not exceeding 3,0 m	m ³			
		(c) Extra-over item 2.1.1 (a) and (b) above for:				
		(i) Hard Excavation	m ³	50		
2.1.2	8.3.2(b)	Extra over item (2.1.1) for Soil cement backfill with G6 material and @ 5% cement by weight	m ³			Rate Only
2.1.2	8.3.5	Existing services that intersect or adjoin a pipe trench:				
		a) Services that intersect a trench	No	5		
		b) Services adjoining a trench	m	40		
2,2	SABS 1200 LB	PIPE BEDDING				
	8.2.1 & PSLB 1.1	Provision of bedding from Trench Excavations				
		a) Selected Granular Material	m ³	50		
		b) Selected Fill Material	m ³	50		
2.2.1	8.2.2.3	From Commercial Sources				
		a) Selected Granular Material	m ³	380		
		b) Selected Fill Material	m ³	270		
		c) 19mm Stone	m ³	45		
2,3	SABS 1200 L	MEDIUM PRESSURE PIPELINES				
	8.2.1 & PSL1.1	PVC PIPES AND FITTINGS				
2.3.1		Supply, lay, bed, test and disinfect the following uPVC/oPVC Class 12 pressure pipes (conforming to SABS 966 standard) in 6 m lengths, in the following diameters:				
		a) 160mm diam. Class 12	m	82		Rate Only
		b) 200mm diam. Class 12	m			
		c) 250mm diam. Class 12	m	800		
		d) 315mm diam. Class 12	m	360		
TOTAL CARRIED FORWARD						
TOTAL BROUGHT FORWARD						

Construction of Roads, stormwater, sewer, water and various upgrades to surrounding intersections (Package B)

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SCHEDULE D - MUN WATER

ITEM	PAYMENT	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
2.3.3	8.2.2	Supply, lay and bed of fittings and specials (extra over items 2.3.1 & 2.3.2). Class 16 fittings, SG Iron, cast iron or epoxy painted steel. Fittings to be suitable for coupling direct (mechanically) onto pipes:				
		a) 90° Bends				
		(i) 160mm dia	No			Rate Only
		b) 45° Bends				
		(i) 160mm dia	No			Rate Only
		(ii) 200mm dia	No			Rate Only
		(iii) 250mm dia	No			Rate Only
		c) 22.5° Bends				
		(i) 160mm dia	No			Rate Only
		(ii) 250mm dia	No	2		
		(iii) 315mm dia	No	3		
		d) Klamflex Ranger Flange adaptor or similar approved				
		(i) 160mm dia	No	6		
		(ii) 200mm dia	No			Rate Only
		(iii) 250mm dia	No	20		
		(iv) 315mm dia	No	8		
		Supply, lay and bed of fittings and specials (extra over items 2.3.1 & 2.3.2). Class 16 fittings, SG Iron, cast iron or epoxy painted steel. Flanged Fittings to SANS 1123 Table 1600/3:				
		e) Cast Iron Fire Hydrant Tee				
		(i) 160mm dia	No			Rate Only
		(ii) 200mm dia	No			Rate Only
		(iii) 250mm dia	No	5		
		(iv) 315mm dia	No	1		
		f) Fire Hydrant assembly complete to CoT standard drawing 7515-W208	No			Rate Only
		g) Fire Hydrant Assembly Complete, including 80mm valve and valve box to detail drawing 7515-W208	No	5		
		h) Flanged Resilient Seal Gate Valve, rubberised metal gate, Class 16 to SABS 664 with cap top, non-rising spindle, anti-clockwise closing & 750mmØ precast valve chamber				
		(i) 160mm dia	No	3		
		(ii) 200mm dia	No			Rate Only
		(iii) 250mm dia	No	5		
		(iv) 315mm dia	No	2		
TOTAL CARRIED FORWARD						
TOTAL BROUGHT FORWARD						

Construction of Roads, stormwater, sewer, water and various upgrades to surrounding intersections (Package B)						RFP 027.2025
SCHEDULE D - MUN WATER						
ITEM	PAYMENT	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
		i) Equal Tees				
		(i) 160mm dia	No			Rate Only
		(ii) 250mm dia	No	1		
		(iii) 315mm dia	No	1		
		j) Reducing Tees :				
		(i) 200 x 160mm dia	No	4		
		(ii) 250 x 160mm dia	No	4		
		(iii) 315 x 160mm dia	No	1		
		(iv) 315 x 250mm dia	No			Rate Only
		k) Reducers:				
		(i) 200 x 160mm dia	No	1		
		(ii) 250 x 200mm dia	No	2		
		(iii) 315 x 250mm dia	No	1		
		l) Blank Flanges :				
		(i) 160mm dia	No	3		
		(ii) 250mm dia	No	2		
		m) 90° Long radius bends				
		(i) 300mm dia	No			Rate Only
		n) 45° Long radius bends				
		(i) 300mm dia	No			Rate Only
		o) 22.5° Long radius bends				
		(i) 250mm dia	No			Rate Only
		(ii) 300mm dia	No			Rate Only
		Concrete thrust block on pipeline, as per standard details	No	25		Rate Only
		Allowance for fittings and specials not included above	P.Sum	1	R 150 000,00	R 150 000,00
TOTAL CARRIED FORWARD TO SUMMARY						

Construction of Roads, stormwater, sewer, water and various upgrades to surrounding intersections (Package B)

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SUMMARY OF SCHEDULE D - EXTERNAL WATER

SECTION	DESCRIPTION	AMOUNT
1	SITE CLEARANCE	
2	WATER SUPPLY	
	TOTAL SCHEDULE E CARRIED FORWARD TO COMBINED SUMMARY	

Construction of Roads, stormwater, sewer, water and various upgrades to surrounding intersections (Package B)

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SCHEDULE E - EXTERNAL SEWER

ITEM	PAYMENT	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
1,1	SABS 1200 C	SECTION 1: SITE CLEARANCE				
1.1.1	8.2.1 & PSC 1.1	SITE CLEARANCE Clear and grub the following areas (incl all trees, bushes and scrubs etc.): c) Service routes (not in road reserve) at least 5m wide plus additional space for stockpiling material	m	50		
TOTAL CARRIED FORWARD TO SUMMARY						

Construction of Roads, stormwater, sewer, water and various upgrades to surrounding intersections (Package B)

SCHEDULE E - EXTERNAL SEWER

ITEM	PAYMENT	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
2,1	SABS 1200 DB	SECTION 2 : SEWER NETWORK				
		EXCAVATION (Pipe trenches)				
2.1.1	8.3.2(a) & PSDB 1.1	Excavate in all material for trenches, backfill, compact and dispose of surplus/ unsuitable material:				
		a) Up to 350 mm diam for total trench depth:				
		(i) Exceeding 0,0 but not exceeding 2,0 m	m³	450		
		(ii) Exceeding 2,0m but not exceeding 3,0m	m³	80		
		(iii) Exceeding 3,0 but not exceeding 4,0 m	m³			Rate Only
		(iv) Exceeding 4,0 but not exceeding 6,0 m	m³			Rate Only
		(v) Exceeding 6,0 but not exceeding 8,0 m	m³			Rate Only
		b) Extra-over item 2.1.1 above for:				
		(i) Hard Excavation	m³	20		
2.1.2	8.3.4	Shoring Trench Sides	m	700		Rate Only
2.1.3	8.3.5	Existing services that intersect or adjoin a pipe trench:				
		a) Services that intersect a trench	No	15		
		b) Services adjoining a trench	m			Rate Only
2,2	SABS 1200 LD	PIPEWORK				
2.2.1	8.2.1 & PSLD 1.1	Supply, lay, joint, bed as detailed and test uPVC sewer pipes to SANS 791 or 1601:				
		a) 160 mm diam Class 400 kPa	m	180		
		b) 200 mm diam Class 400 kPa	m			Rate Only
		c) 250 mm diam Class 34	m			Rate Only
		d) 315 mm diam Class 34	m			Rate Only
TOTAL CARRIED FORWARD						
TOTAL BROUGHT FORWARD						

Construction of Roads, stormwater, sewer, water and various upgrades to surrounding intersections (Package B)

SCHEDULE E - EXTERNAL SEWER

ITEM	PAYMENT	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
2,3	SABS 1200 LB	BEDDING MATERIAL				
2.3.1	8.2.1 & PSLB 1.1	Provision of bedding available from trench excavation within 1,0km:				
		a) Selected Granular material	m ³	10		
		b) Selected fill material	m ³	20		
2.3.2	8.2.2.2	Supply of bedding by importation from Commercial:				
		a) Selected granular material	m ³	60		
		b) Selected fill material	m ³	50		
		c) 19mm Stone bedding	m ³	25		
2,4	SABS 1200 LD	MANHOLES ETC				
2.4.1	8.2.3	Manholes according to CoT detail drawings up to 3,0 m deep	No	7		
2.4.2	8.2.3	Manholes exceeding 3,0m up to 4,0 m deep (1250mm dia)	No	0		Rate Only
2.4.5	8.2.11	Break into existing Manhole, install new pipe and repair	No	2		
2.4.6		Extra over Items 2.4.1 to 2.4.4 for the provision of a Heavy duty Concrete manhole cover and frame, Type 2A	No	6		
2,5	PSLD 5.2	CCTV Inspection of Sewer Network	m	180		
2,6	PSLD 2.2	New erf connection with 2.0m long 160mm dia sewer measured horisontally from centre line of main sewer pipe, including marker post	No	2		
TOTAL CARRIED FORWARD						

Construction of Roads, stormwater, sewer, water and various upgrades to surrounding intersections (Package B)

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SUMMARY OF SCHEDULE E - EXTERNAL SEWER

SECTION	DESCRIPTION	AMOUNT
1	SITE CLEARANCE	
2	SEWER NETWORK	
	TOTAL SCHEDULE F CARRIED FORWARD TO COMBINED SUMMARY	

Construction of Roads, stormwater, sewer, water and various upgrades to surrounding intersections (Package B)

SCHEDULE F.1 - INTERSECTION SIMON VERMOOTEN AND ALWYN

ITEM	PAYMENT	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
1		SECTION 1: ACCOMMODATION OF TRAFFIC AND EXISTING SERVICES				
1,1	SABS 1200 A	GENERAL				
1.1.1	8.8.2 & PSA 1.7	Temporary Works				
		Dealing with Traffic				
		a) Supply, erect, maintain, move around and remove temporary road signs of 1.4mm thick chromadek sheeting, background of material Class I:				
		(i) TR201 - 1200mm	No	8		
		(ii) TR104 - 1200mm	No	8		
		(iii) TW336 - 1200mm	No	8		
		(iv) Delineators - single sided TW401 - 1000x250mm	No	40		
		(v) Yellow water filled barriers with red reflective tape	No	20		
		(vi) TGS133/134 - 1200x2400mm	No	4		
		(vii) TIN11.4 - 1200mm	No	4		
		(viii) TIN 11.3 - 1200mm	No	4		
		(ix) TGS Special - 1200x2400mm	No	4		
		(x) TW413 - 466x800mm	No	4		
		b) Allowance for accomodation of traffic for duration of the contract (excluding items measured above)	Sum	1		
1,2	8.8.4	Existing Services				
		c) Excavation by hand in all material to expose existing underground services	m³	100		
TOTAL CARRIED FORWARD TO SUMMARY						

Construction of Roads, stormwater, sewer, water and various upgrades to surrounding intersections (Package B)

SCHEDULE F.1 - INTERSECTION SIMON VERMOOTEN AND ALWYN

ITEM	PAYMENT	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
2,1	SABS 1200 C	SECTION 2: SITE CLEARANCE				
		SITE CLEARANCE				
2.1.1	8.2.1 & PSC 1.1	Clear and grub the following areas (incl all trees, bushes, scrubs and rubble, etc.):				
		b) Road Reserve	m ²	100,0		
2.1.2	8.2.8	Demolish and remove structures:				
		a) Existing concrete walkways and pedestrian walkways and store for later reuse, 10% breakage allowable	m ²	1000		
		b) Existing concrete kerbs and walkway and store for later reuse, 10% breakage allowable	m	500		
2.1.3	SABS 1200 MM 8.3.7	b) Temporary dismantle and re-erection of road signs of any surface area	No	5		
		Relocate traffic lights	No	6		
		Traffic Signal Reprogram	No	2		
		Kerb Inlets	No	2		
		Junction boxes	No	3		
		Relocate Street Light Mast	No	4		
		New Heavy duty manhole covers	No	2		
		Relocate Stormwater	m	170		
		New trafic light Head	No	2		
TOTAL CARRIED FORWARD TO SUMMARY						

Construction of Roads, stormwater, sewer, water and various upgrades to surrounding intersections (Package B)

SCHEDULE F.1 - INTERSECTION SIMON VERMOOTEN AND ALWYN

ITEM	PAYMENT	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
3,1	SABS 1200 DM	SECTION 3: ROADS				
		EARTHWORKS (ROADS & SUBGRADE)				
3.1.1	8.3.2 & PSC 1.2	Preparation of Site				
		a) Preparation and removal of topsoil material up to a depth of 150mm deep, stockpiling and maintaining	m ³	375		
3.1.2	8.3.3	Treatment of road-bed				
		(a) Road-bed preparation and compaction to 90% MDD	m ³	320		
3.1.3	8.3.4, PSDM 2.6 & 5.2	Cut to fill				
		a) Compact in layers of 150 mm to 90% MDD	m ³	200		
3.1.4	8.3.4, PSDM 5.2 & 2.6	Borrow to fill from stockpile				
		a) Compact in layers of 150 mm to 90% MDD	m ³	100		
3.1.6	8.3.7, PSDM 2.6	Cut to Spoil (approved dump site)	m ³	1 000		
3.1.7	8.3.5 & PSDM 1.3	Construct 150mm thick gravel layers from sources provided by the contractor, minimum G7 specification, compacted to 93% MDD	m ³	816		
3.1.8	8.3.5 & PSDM 1.3	Construct 150mm thick gravel layer from stockpile, minimum G8 specification, compacted to 93% MDD	m ³	391		
3.1.9	8.3.6 & PSD 5.4	Extra-over items 3.1.3 to 3.1.5 for hard excavation	m ³	0		
3,2	SABS 1200 ME	SUBBASE				
3.2.1	8.3.3	Construct subbase with minimum G6 quality material from commercial sources or other sources provided by the contractor compacted to 95% MDD	m ³	340		
3.2.2	8.3.5	Process subbase material by the following process and use in subbase:				
		a) Stabilisation	m ³	340		
3.2.3	8.3.8	Stabilising agent				
		a) Portland cement (CEM II A-L 32.5 MPa or similar approved)	t	21		
TOTAL CARRIED FORWARD						

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Construction of Roads, stormwater, sewer, water and various upgrades to surrounding intersections (Package B)

SCHEDULE F.1 - INTERSECTION SIMON VERMOOTEN AND ALWYN

ITEM	PAYMENT	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
TOTAL BROUGHT FORWARD						
3,3	SABS 1200 MF	BASE				
3.3.1	8.3.3 & PSMF	Construct base with material from commercial sources:				
		a) G1 Graded crushed stone Compacted to 88% apparent density in 150mm layers	m ³	272		
		b) Trail Section	m ²			Rate Only
2.3.2		Construct base with material from commercial sources:				
		a) Emulsion stabilised base layer (BSM 2 with G5 Material or better), compacted to 102% MDD	m ³			Rate Only
3,4	SABS 1200 MH	ASPHALT BASE AND SURFACING				
3.4.1	8.5.1	Prime Coat				
		a) E-prime (@1.0ℓ/ m ²)	ℓ	1 725		
3.4.2	8.5.3	Tack Coat				
		a) 30% Cationic emulsion	ℓ	1 035		
3.4.3	8.5.4, PSMH	Place continuously graded medium asphalt surface with 50/70 Pen. Bitumen as binder, 30 mm thick on newly constructed roads	m ²	1 725		
3,5	SABS 1200 MJ	SEGMENTED PAVING (WALKWAYS)				
3.5.1	8.2.2 and PSMJ 1.1	Construction of block paving as specified on 20 mm bedding sand, including cutting of units:				
		a) 50 mm interlocking paving grey	m ²	700		
3.5.2	SABS 1200 DM 8.3.3	Roadbed preparation and compaction to 90% MDD	m ³	105		
3.5.3	SABS 1200 ME, 8.3.3	Construct subbase with minimum G6 quality material from commercial sources compacted to 95% MDD	m ³	116		
3.5.4	SABS 1200 ME, 8.3.5	Process subbase material by the following process and use in subbase:				
		a) Stabilisation	m ³	116		
3.2.3	8.3.8	Stabilising agent				
		a) Portland cement (CEM II A-L 32.5 MPa or similar approved)	t	7		
3,6	SABS 1200 MK	CONCRETE KERBING AND CHANNELLING				
3.6.1	8.2.1	Supply and cast 200 x 200mm edge beams on straight and curved sections with 10mm bitumen impregnated softboard joints				
		a) Class 25/19 MPa concrete	m	65		
TOTAL CARRIED FORWARD						

Construction of Roads, stormwater, sewer, water and various upgrades to surrounding intersections (Package B)

SCHEDULE F.1 - INTERSECTION SIMON VERMOOTEN AND ALWYN

ITEM	PAYMENT	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
TOTAL BROUGHT FORWARD						
3.6.2	8.2.2	Supply and install Fig 7 precast kerbs + 150mm channel combination on straight and curved sections, with 10mm bitumen impregnated soft board joints a) Class 30/19 MPa concrete	m	720		
3.6.3	8.2.1	Supply and install Fig 10 precast kerbs on straight and curved sections for sidewalks	m	720		
3.6.4	8.2.1	Supply and install Fig 3 precast kerbs on straight and curved sections for busbays	m	0		
3.6.6	8.2.6.1	Supply and cast kerbs on curved sections with a radius less than 1m (Concrete Bullnoses) a) Class 25/19 MPa concrete	No	3		
3.6.7	8.2.6.1	Transitions (min 1m length)	No	5		
3.6.8	8.2.6	Wheelchair ramps according to COT standard STD 009	No	5		
3.6.9		Extra-over item 3.6.8 above for variations on standard	P.Sum	1	20 000,00	R 20 000,00
3.6.10	PSDM 5.3	Working of sidewalks or road reserve, cuts and fills (post electrical installation by others)	m ²	2 500		
3,7	SABS 1200 MM	ANCILLARY ROADWORKS				
3.7.1	8.3.2 & PSMM 2.1	Road Signs a) Standard regulating, information and warning signs to be high intensity prismatic Class 3, including galvanised D-section pole, foundation etc. complete: (i) R1 (900mm) (ii) R2.1 (900mm) (iii) R2.2 (900mm) (iv) R201 - 60 (900mm) (v) R103 + W402 (600mm) (vi) R327 (900mm) (vii) W114 (900mm) (viii) W202/203 (900mm)	No No No No No No No No	5 4 1 1 4 4		Rate Only Rate Only
TOTAL CARRIED FORWARD						

Construction of Roads, stormwater, sewer, water and various upgrades to surrounding intersections (Package B)

SCHEDULE F.1 - INTERSECTION SIMON VERMOOTEN AND ALWYN

ITEM	PAYMENT	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
TOTAL BROUGHT FORWARD						
3.7.2	8.4.1	(ix) W332 (900mm)	No			Rate Only
		(x) W416/417 (300 x 600mm)	No	2		
		(xi) W413 (900mm)	No			Rate Only
		(xii) GL2 (205mm)	No	6		
		(xiii) R105 & W408 (900mm)	No			Rate Only
		(xiv) GD1 + W409 (2700mm)	No	2		
		(xv) Any other signs not listed above	Prov Sum	1	20 000,00	R 20 000,00
		Road Markings with thermoplastic paint and reflective beads, with paint thickness not less than 1.2mm. Reflective beads premix application rate 35%. White lines and symbols with initial coefficient of retro-reflectivity 200 mini Candelas/LUX/m2. Yellow lines and symbols with initial coefficient of retro-reflectivity 135 mini Candelas/LUX/m2.				
		a) White line 100 mm wide (broken or solid)	m	1100		
		b) White line 300 mm wide (broken or solid)	m	60		
		c) Yellow line 100 mm wide (broken or solid)	m	150		
		d) White or yellow characters and symbols	m ²	16		
		e) Traffic island marking (any color)	m ²	35		
		f) Kerb painting (Black & White)	m	150		
3.7.3	PSMM1.2	g) Road Studs (Any Colour)	No	20		
	8.4.4	Setting out and premarking				
		a) Lines	m	1200		
		b) Special markings (Traffic Islands, Characters and Symbols)	m ²	51		
TOTAL CARRIED FORWARD						

Construction of Roads, stormwater, sewer, water and various upgrades to surrounding intersections (Package B)

SCHEDULE F.1 - INTERSECTION SIMON VERMOOTEN AND ALWYN

ITEM	PAYMENT	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
4,1	SABS 1200 LC	SECTION 4 : CABLE DUCTS				
4.1.1	8.2.2 & PSLC 3.1	CABLE DUCTS Excavate in all materials for trenches after bulk excavation for roads, backfill, compact and dispose of surplus material for pipes up to and including 160 mm nominal diameter	m³	20		
4.1.2	8.2.5 & PSLC 3.2	Supply, lay, bed and prove ducts including draw wire				
		a) 100 mm diam HDPE pipes for Electrical sleeves, Nextube or similar	m	40		
		b) 160 mm diam HDPE pipes for Electrical sleeves, Nextube or similar	m	20		
4.1.3	8.2.6	Bedding material:				
		a) Supply and install bedding from trench excavations for electrical sleeves	m³	10		
		b) Selected fill material from trench excavations for electrical sleeves	m³	10		
TOTAL CARRIED FORWARD TO SUMMARY						

Construction of Roads, stormwater, sewer, water and various upgrades to surrounding intersections (Package B)

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SUMMARY OF SCHEDULE F.1 - INTERSECTION SIMON VERMOOTEN AND ALWYN

SECTION	DESCRIPTION	AMOUNT
1	ACCOMODATION OF TRAFFIC AND EXISTING SERVICES	
2	SITE CLEARANCE	
3	ROADS	
4	CABLE DUCTS	
	TOTAL SCHEDULE B CARRIED FORWARD TO COMBINED SUMMARY	

Construction of Roads, stormwater, sewer, water and various upgrades to surrounding intersections (Package B)

SCHEDULE F.2 - INTERSECTION WATLOO AND SIMON VERMOOTEN

ITEM	PAYMENT	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
1		SECTION 1: ACCOMMODATION OF TRAFFIC AND EXISTING SERVICES				
1,1	SABS 1200 A	GENERAL				
1.1.1	8.8.2 & PSA 1.7	Temporary Works				
		Dealing with Traffic				
		a) Supply, erect, maintain, move around and remove temporary road signs of 1.4mm thick chromadek sheeting, background of material Class I:				
		(i) TR201 - 1200mm	No	8		
		(ii) TR104 - 1200mm	No	8		
		(iii) TW336 - 1200mm	No	8		
		(iv) Delineators - single sided TW401 - 1000x250mm	No	40		
		(v) Yellow water filled barriers with red reflective tape	No	20		
		(vi) TGS133/134 - 1200x2400mm	No	4		
		(vii) TIN11.4 - 1200mm	No	4		
		(viii) TIN 11.3 - 1200mm	No	4		
		(ix) TGS Special - 1200x2400mm	No	4		
		(x) TW413 - 466x800mm	No	4		
		b) Allowance for accomodation of traffic for duration of the contract (excluding items measured above)	Sum	1		
1,2	8.8.4	Existing Services				
		c) Excavation by hand in all material to expose existing underground services	m³	100		
TOTAL CARRIED FORWARD TO SUMMARY						

Construction of Roads, stormwater, sewer, water and various upgrades to surrounding intersections (Package B)

SCHEDULE F.2 - INTERSECTION WATLOO AND SIMON VERMOOTEN

ITEM	PAYMENT	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
2,1	SABS 1200 C	SECTION 2: SITE CLEARANCE				
2.1.1	8.2.1 & PSC 1.1	SITE CLEARANCE				
		Clear and grub the following areas (incl all trees, bushes, scrubs and rubble, etc.):				
		b) Road Reserve	m²	100,0		
2.1.2	8.2.8	Demolish and remove structures:				
		a) Existing concrete walkways and pedestrian walkways and store for later reuse, 10% breakage allowable	m²	180		
		b) Existing concrete kerbs and walkway and store for later reuse, 10% breakage allowable	m	90		
2.1.3	SABS 1200 MM 8.3.7	b) Temporary dismantle and re-erection of road signs of any surface area	No	2		
		Relocate traffic lights	No	1		
		Traffic Signal Reprogram	No	1		
		Kerb Inlets	No	1		
		Junction boxes	No	1		
		Relocate Street Light Mast	No	3		
		New Heavy duty manhole covers	No	3		
		Relocate Stormwater	m	20		
		New traffic light Head	No	2		
TOTAL CARRIED FORWARD TO SUMMARY						

Construction of Roads, stormwater, sewer, water and various upgrades to surrounding intersections (Package B)

SCHEDULE F.2 - INTERSECTION WATLOO AND SIMON VERMOOTEN

ITEM	PAYMENT	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
3,1	SABS 1200 DM	SECTION 3: ROADS				
		EARTHWORKS (ROADS & SUBGRADE)				
3.1.1	8.3.2 & PSC 1.2	Preparation of Site				
		a) Preparation and removal of topsoil material up to a depth of 150mm deep, stockpiling and maintaining	m ³	375		
3.1.2	8.3.3	Treatment of road-bed				
		(a) Road-bed preparation and compaction to 90% MDD	m ³	320		
3.1.3	8.3.4, PSDM 2.6 & 5.2	Cut to fill				
		a) Compact in layers of 150 mm to 90% MDD	m ³	200		
3.1.4	8.3.4, PSDM 5.2 & 2.6	Borrow to fill from stockpile				
		a) Compact in layers of 150 mm to 90% MDD	m ³	100		
3.1.6	8.3.7, PSDM 2.6	Cut to Spoil (approved dump site)	m ³	250		
3.1.7	8.3.5 & PSDM 1.3	Construct 150mm thick gravel layers from sources provided by the contractor, minimum G7 specification, compacted to 93% MDD	m ³	137		
3.1.8	8.3.5 & PSDM 1.3	Construct 150mm thick gravel layer from stockpile, minimum G8 specification, compacted to 93% MDD	m ³	66		
3.1.9	8.3.6 & PSD 5.4	Extra-over items 3.1.3 to 3.1.5 for hard excavation	m ³	0		
3,2	SABS 1200 ME	SUBBASE				
3.2.1	8.3.3	Construct subbase with minimum G6 quality material from commercial sources or other sources provided by the contractor compacted to 95% MDD	m ³	57		
3.2.2	8.3.5	Process subbase material by the following process and use in subbase:				
		a) Stabilisation	m ³	57		
3.2.3	8.3.8	Stabilising agent				
		a) Portland cement (CEM II A-L 32.5 MPa or similar approved)	t	4		
TOTAL CARRIED FORWARD						

Construction of Roads, stormwater, sewer, water and various upgrades to surrounding intersections (Package B)

SCHEDULE F.2 - INTERSECTION WATLOO AND SIMON VERMOOTEN

ITEM	PAYMENT	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
TOTAL BROUGHT FORWARD						
3,3	SABS 1200 MF	BASE				
3.3.1	8.3.3 & PSMF	Construct base with material from commercial sources: a) G1 Graded crushed stone Compacted to 88% apparent density in 150mm layers b) Trail Section	m ³ m ²	45		Rate Only
2.3.2		Construct base with material from commercial sources: a) Emulsion stabilised base layer (BSM 2 with G5 Material or better), compacted to 102% MDD	m ³			Rate Only
3,4	SABS 1200 MH	ASPHALT BASE AND SURFACING				
3.4.1	8.5.1	Prime Coat a) E-prime (@1.0ℓ/ m ²)	ℓ	288		
3.4.2	8.5.3	Tack Coat a) 30% Cationic emulsion	ℓ	173		
3.4.3	8.5.4, PSMH	Place continuously graded medium asphalt surface with 50/70 Pen. Bitumen as binder, 30 mm thick on newly constructed roads	m ²	288		
3,5	SABS 1200 MJ	SEGMENTED PAVING (WALKWAYS)				
3.5.1	8.2.2 and PSMJ 1.1	Construction of block paving as specified on 20 mm bedding sand, including cutting of units: a) 50 mm interlocking paving grey	m ²	250		
3.5.2	SABS 1200 DM 8.3.3	Roadbed preparation and compaction to 90% MDD	m ³	38		
3.5.3	SABS 1200 ME, 8.3.3	Construct subbase with minimum G6 quality material from commercial sources compacted to 95% MDD	m ³	41		
3.5.4	SABS 1200 ME, 8.3.5	Process subbase material by the following process and use in subbase: a) Stabilisation	m ³	41		
3.2.3	8.3.8	Stabilising agent a) Portland cement (CEM II A-L 32.5 MPa or similar approved)	t	3		
3,6	SABS 1200 MK	CONCRETE KERBING AND CHANNELLING				
3.6.1	8.2.1	Supply and cast 200 x 200mm edge beams on straight and curved sections with 10mm bitumen impregnated softboard joints a) Class 25/19 MPa concrete	m	65		
TOTAL CARRIED FORWARD						

SCHEDULE F.2 - INTERSECTION WATLOO AND SIMON VERMOOTEN

TOTAL CARRIED FORWARD

Construction of Roads, stormwater, sewer, water and various upgrades to surrounding intersections (Package B)

SCHEDULE F.2 - INTERSECTION WATLOO AND SIMON VERMOOTEN

ITEM	PAYMENT	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
TOTAL BROUGHT FORWARD						
3.7.2	8.4.1	(ix) W332 (900mm)	No			Rate Only
		(x) W416/417 (300 x 600mm)	No	2		
		(xi) W413 (900mm)	No			Rate Only
		(xii) GL2 (205mm)	No	6		
		(xiii) R105 & W408 (900mm)	No			Rate Only
		(xiv) GD1 + W409 (2700mm)	No	2		
		(xv) Any other signs not listed above	Prov Sum	1	20 000,00	R 20 000,00
		Road Markings with thermoplastic paint and reflective beads, with paint thickness not less than 1.2mm. Reflective beads premix application rate 35%. White lines and symbols with initial coefficient of retro-reflectivity 200 mini Candelas/LUX/m2. Yellow lines and symbols with initial coefficient of retro-reflectivity 135 mini Candelas/LUX/m2.				
		a) White line 100 mm wide (broken or solid)	m	1100		
		b) White line 300 mm wide (broken or solid)	m	60		
		c) Yellow line 100 mm wide (broken or solid)	m	150		
		d) White or yellow characters and symbols	m ²	16		
		e) Traffic island marking (any color)	m ²	35		
		f) Kerb painting (Black & White)	m	150		
3.7.3	PSMM1.2	g) Road Studs (Any Colour)	No	20		
	8.4.4	Setting out and premarking				
		a) Lines	m	1200		
		b) Special markings (Traffic Islands, Characters and Symbols)	m ²	51		
TOTAL CARRIED FORWARD						

Construction of Roads, stormwater, sewer, water and various upgrades to surrounding intersections (Package B)

SCHEDULE F.2 - INTERSECTION WATLOO AND SIMON VERMOOTEN

ITEM	PAYMENT	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
4,1	SABS 1200 LC	SECTION 4 : CABLE DUCTS				
		CABLE DUCTS				
4.1.1	8.2.2 & PSLC 3.1	Excavate in all materials for trenches after bulk excavation for roads, backfill, compact and dispose of surplus material for pipes up to and including 160 mm nominal diameter	m ³	20		
4.1.2	8.2.5 & PSLC 3.2	Supply, lay, bed and prove ducts including draw wire				
		a) 100 mm diam HDPE pipes for Electrical sleeves, Nextube or similar	m	40		
		b) 160 mm diam HDPE pipes for Electrical sleeves, Nextube or similar	m	20		
4.1.3	8.2.6	Bedding material:				
		a) Supply and install bedding from trench excavations for electrical sleeves	m ³	10		
		b) Selected fill material from trench excavations for electrical sleeves	m ³	10		
TOTAL CARRIED FORWARD TO SUMMARY						

Construction of Roads, stormwater, sewer, water and various upgrades to surrounding intersections (Package B)**RFP 027.2025****SUMMARY OF SCHEDULE F.2 - INTERSECTION WATLOO AND SIMON VERMOOTEN**

SECTION	DESCRIPTION	AMOUNT
1	ACCOMODATION OF TRAFFIC AND EXISTING SERVICES	
2	SITE CLEARANCE	
3	ROADS	
4	CABLE DUCTS	
	TOTAL SCHEDULE B CARRIED FORWARD TO COMBINED SUMMARY	

Construction of Roads, stormwater, sewer, water and various upgrades to surrounding intersections (Package B)						RFP 027.2025
SCHEDULE F.3 - INTERSECTION WATLOO AND STORMVOEL						
ITEM	PAYMENT	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
1		SECTION 1: ACCOMMODATION OF TRAFFIC AND EXISTING SERVICES				
1,1	SABS 1200 A	GENERAL				
1.1.1	8.8.2 & PSA 1.7	Temporary Works				
		Dealing with Traffic				
		a) Supply, erect, maintain, move around and remove temporary road signs of 1.4mm thick chromadek sheeting, background of material Class I:				
		(i) TR201 - 1200mm	No	8		
		(ii) TR104 - 1200mm	No	8		
		(iii) TW336 - 1200mm	No	8		
		(iv) Delineators - single sided TW401 - 1000x250mm	No	40		
		(v) Yellow water filled barriers with red reflective tape	No	20		
		(vi) TGS133/134 - 1200x2400mm	No	4		
		(vii) TIN11.4 - 1200mm	No	4		
		(viii) TIN 11.3 - 1200mm	No	4		
		(ix) TGS Special - 1200x2400mm	No	4		
		(x) TW413 - 466x800mm	No	4		
		b) Allowance for accomodation of traffic for duration of the contract (excluding items measured above)	Sum	1		
1,2	8.8.4	Existing Services				
		c) Excavation by hand in all material to expose existing underground services	m ³	100		
TOTAL CARRIED FORWARD TO SUMMARY						

Construction of Roads, stormwater, sewer, water and various upgrades to surrounding intersections (Package B)

SCHEDULE F.3 - INTERSECTION WATLOO AND STORMVOEL

ITEM	PAYMENT	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
2,1	SABS 1200 C	SECTION 2: SITE CLEARANCE				
2.1.1	8.2.1 & PSC 1.1	SITE CLEARANCE				
		Clear and grub the following areas (incl all trees, bushes, scrubs and rubble, etc.):				
		b) Road Reserve	m²	100,0		
2.1.2	8.2.8	Demolish and remove structures:				
		a) Existing concrete walkways and pedestrian walkways and store for later reuse, 10% breakage allowable	m²	250		
		b) Existing concrete kerbs and walkway and store for later reuse, 10% breakage allowable	m	150		
2.1.3	SABS 1200 MM 8.3.7	b) Temporary dismantle and re-erection of road signs of any surface area	No			Rate Only
		Relocate traffic lights	No			Rate Only
		Traffic Signal Reprogram	No	1		
		Kerb Inlets	No	1		
		Junction boxes	No	1		
		Relocate Street Light Mast	No	1		
		New Heavy duty manhole covers	No	1		
		Relocate Stormwater	m	20		
		New traffic light Head	No	1		
TOTAL CARRIED FORWARD TO SUMMARY						

Construction of Roads, stormwater, sewer, water and various upgrades to surrounding intersections (Package B)						RFP 027.2025
SCHEDULE F.3 - INTERSECTION WATLOO AND STORMVOEL						
ITEM	PAYMENT	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
3,1	SABS 1200 DM	SECTION 3: ROADS				
		EARTHWORKS (ROADS & SUBGRADE)				
3.1.1	8.3.2 & PSC 1.2	Preparation of Site				
		a) Preparation and removal of topsoil material up to a depth of 150mm deep, stockpiling and maintaining	m ³	375		
3.1.2	8.3.3	Treatment of road-bed				
		(a) Road-bed preparation and compaction to 90% MDD	m ³	320		
3.1.3	8.3.4, PSDM 2.6 & 5.2	Cut to fill				
		a) Compact in layers of 150 mm to 90% MDD	m ³	200		
3.1.4	8.3.4, PSDM 5.2 & 2.6	Borrow to fill from stockpile				
		a) Compact in layers of 150 mm to 90% MDD	m ³	100		
3.1.6	8.3.7, PSDM 2.6	Cut to Spoil (approved dump site)	m ³	400		
3.1.7	8.3.5 & PSDM 1.3	Construct 150mm thick gravel layers from sources provided by the contractor, minimum G7 specification, compacted to 93% MDD	m ³	218		
3.1.8	8.3.5 & PSDM 1.3	Construct 150mm thick gravel layer from stockpile, minimum G8 specification, compacted to 93% MDD	m ³	105		
3.1.9	8.3.6 & PSD 5.4	Extra-over items 3.1.3 to 3.1.5 for hard excavation	m ³	0		
3,2	SABS 1200 ME	SUBBASE				
3.2.1	8.3.3	Construct subbase with minimum G6 quality material from commercial sources or other sources provided by the contractor compacted to 95% MDD	m ³	91		
3.2.2	8.3.5	Process subbase material by the following process and use in subbase:				
		a) Stabilisation	m ³	91		
3.2.3	8.3.8	Stabilising agent				
		a) Portland cement (CEM II A-L 32.5 MPa or similar approved)	t	6		
TOTAL CARRIED FORWARD						

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SCHEDULE F.3 - INTERSECTION WATLOO AND STORMVOEL						
ITEM	PAYMENT	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
TOTAL BROUGHT FORWARD						
3,3	SABS 1200 MF	BASE				
3.3.1	8.3.3 & PSMF	Construct base with material from commercial sources: a) G1 Graded crushed stone Compacted to 88% apparent density in 150mm layers b) Trail Section	m ³ m ²	72		Rate Only
2.3.2		Construct base with material from commercial sources: a) Emulsion stabilised base layer (BSM 2 with G5 Material or better), compacted to 102% MDD	m ³			Rate Only
3,4	SABS 1200 MH	ASPHALT BASE AND SURFACING				
3.4.1	8.5.1	Prime Coat a) E-prime (@1.0l/ m ²)	ℓ	460		
3.4.2	8.5.3	Tack Coat a) 30% Cationic emulsion	ℓ	276		
3.4.3	8.5.4, PSMH	Place continuously graded medium asphalt surface with 50/70 Pen. Bitumen as binder, 30 mm thick on newly constructed roads	m ²	460		
3,5	SABS 1200 MJ	SEGMENTED PAVING (WALKWAYS)				
3.5.1	8.2.2 and PSMJ 1.1	Construction of block paving as specified on 20 mm bedding sand, including cutting of units: a) 50 mm interlocking paving grey	m ²	310		
3.5.2	SABS 1200 DM 8.3.3	Roadbed preparation and compaction to 90% MDD	m ³	47		
3.5.3	SABS 1200 ME, 8.3.3	Construct subbase with minimum G6 quality material from commercial sources compacted to 95% MDD	m ³	51		
3.5.4	SABS 1200 ME, 8.3.5	Process subbase material by the following process and use in subbase: a) Stabilisation	m ³	51		
3.2.3	8.3.8	Stabilising agent a) Portland cement (CEM II A-L 32.5 MPa or similar approved)	t	4		
3,6	SABS 1200 MK	CONCRETE KERBING AND CHANNELLING				
3.6.1	8.2.1	Supply and cast 200 x 200mm edge beams on straight and curved sections with 10mm bitumen impregnated softboard joints a) Class 25/19 MPa concrete	m	65		
TOTAL CARRIED FORWARD						

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ITEM	PAYMENT	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
TOTAL BROUGHT FORWARD						
3.6.2	8.2.2	Supply and install Fig 7 precast kerbs + 150mm channel combination on straight and curved sections, with 10mm bitumen impregnated soft board joints				
		a) Class 30/19 MPa concrete	m	200		
3.6.3	8.2.1	Supply and install Fig 10 precast kerbs on straight and curved sections for sidewalks	m	200		
3.6.4	8.2.1	Supply and install Fig 3 precast kerbs on straight and curved sections for busbays	m	0		
3.6.6	8.2.6.1	Supply and cast kerbs on curved sections with a radius less than 1m (Concrete Bullnoses)				
		a) Class 25/19 MPa concrete	No	5		
3.6.7	8.2.6.1	Transitions (min 1m length)	No	12		
3.6.8	8.2.6	Wheelchair ramps according to COT standard STD 009	No	3		
3.6.9		Extra-over item 3.6.8 above for variations on standard	P.Sum	1	20 000,00	R 20 000,00
3.6.10	PSDM 5.3	Working of sidewalks or road reserve, cuts and fills (post electrical installation by others)	m ²	2 000		
3.7	SABS 1200 MM	ANCILLARY ROADWORKS				
3.7.1	8.3.2 & PSMM 2.1	Road Signs				
		a) Standard regulating, information and warning signs to be high intensity prismatic Class 3, including galvanised D-section pole, foundation etc. complete:				
		(i) R1 (900mm)	No	5		
		(ii) R2.1 (900mm)	No			Rate Only
		(iii) R2.2 (900mm)	No			Rate Only
		(iv) R201 - 60 (900mm)	No	4		
		(v) R103 + W402 (600mm)	No	1		
		(vi) R327 (900mm)	No	1		
		(vii) W114 (900mm)	No	4		
		(viii) W202/203 (900mm)	No	4		
TOTAL CARRIED FORWARD						

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ITEM	PAYMENT	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
TOTAL BROUGHT FORWARD						
3.7.2	8.4.1	(ix) W332 (900mm)	No			Rate Only
		(x) W416/417 (300 x 600mm)	No	2		
		(xi) W413 (900mm)	No			Rate Only
		(xii) GL2 (205mm)	No	6		
		(xiii) R105 & W408 (900mm)	No			Rate Only
		(xiv) GD1 + W409 (2700mm)	No	2		
		(xv) Any other signs not listed above	Prov Sum	1	20 000,00	R 20 000,00
	PSMM1.2	Road Markings with thermoplastic paint and reflective beads, with paint thickness not less than 1.2mm. Reflective beads premix application rate 35%. White lines and symbols with initial coefficient of retro-reflectivity 200 mini Candelas/LUX/m2. Yellow lines and symbols with initial coefficient of retro-reflectivity 135 mini Candelas/LUX/m2.				
		a) White line 100 mm wide (broken or solid)	m	1100		
		b) White line 300 mm wide (broken or solid)	m	60		
		c) Yellow line 100 mm wide (broken or solid)	m	150		
		d) White or yellow characters and symbols	m²	16		
		e) Traffic island marking (any color)	m²	35		
		f) Kerb painting (Black & White)	m	150		
g) Road Studs (Any Colour)		No	20			
8.4.4		Setting out and premarking				
		a) Lines	m	1200		
	b) Special markings (Traffic Islands, Characters and Symbols)	m²	51			
TOTAL CARRIED FORWARD						

Construction of Roads, stormwater, sewer, water and various upgrades to surrounding intersections (Package B)

SCHEDULE F.3 - INTERSECTION WATLOO AND STORMVOEL

ITEM	PAYMENT	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
4,1	SABS 1200 LC	SECTION 4 : CABLE DUCTS				
		CABLE DUCTS				
4.1.1	8.2.2 & PSLC 3.1	Excavate in all materials for trenches after bulk excavation for roads, backfill, compact and dispose of surplus material for pipes up to and including 160 mm nominal diameter	m³	20		
4.1.2	8.2.5 & PSLC 3.2	Supply, lay, bed and prove ducts including draw wire				
		a) 100 mm diam HDPE pipes for Electrical sleeves, Nextube or similar	m	40		
		b) 160 mm diam HDPE pipes for Electrical sleeves, Nextube or similar	m	20		
4.1.3	8.2.6	Bedding material:				
		a) Supply and install bedding from trench excavations for electrical sleeves	m³	10		
		b) Selected fill material from trench excavations for electrical sleeves	m³	10		
TOTAL CARRIED FORWARD TO SUMMARY						

Construction of Roads, stormwater, sewer, water and various upgrades to surrounding intersections (Package B)

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SUMMARY OF SCHEDULE F.3 - INTERSECTION WATLOO AND STORMVOEL

SECTION	DESCRIPTION	AMOUNT
1	ACCOMODATION OF TRAFFIC AND EXISTING SERVICES	
2	SITE CLEARANCE	
3	ROADS	
4	CABLE DUCTS	
	TOTAL SCHEDULE B CARRIED FORWARD TO COMBINED SUMMARY	