

BILL OF QUANTITIES**SECTION 1 STORMWATER PIPE NETWORK CONSTRUCTION****PART AA PRELIMINARIES**

Item	Clause	Description	Unit	Quantity	Rate	Amount
1	GCC 2015	GENERAL CONDITIONS OF CONTRACT (GCC 2015) READ IN CONJUNCTION WITH THE CONTRACT DATA	sum	1		
		Fixed Charge obligations				
2	GCC 2015	Time Related obligations	sum	1		
3	SANS 1921-1	SANS 1921-1 : GENERAL ENGINEERING AND CONSTRUCTION WORKS READ IN CONJUNCTION WITH THE ASSOCIATED SPECIFICATION DATA IN THE SCOPE OF WORKS	sum	1		
		Fixed Charge Items				
4	SANS 1921-1	Time Related Items	sum	1		
5	C1.2.3.1	COMMUNITY LIAISON OFFICER	PC Sum	38400	1.00	38 400.00
		Allow for a CLO to be appointed.				
6	C1.2.3.1	% Mark-up for Item 5 above	%	38400		
7	C1.2.3.2	LOCAL LABOUR	sum	1		
		Allow for the weekly submission of proof of employment of local labour				

TOTAL CARRIED TO SECTION 1 SUMMARY: STORMWATER PIPE NETWORK CONSTRUCTION

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PART AB GENERAL SPECIFICATIONS

Item	Clause	Description	Unit	Quantity	Rate	Amount
1	AB.5	Notice Board	sum	1		
2	AB.7	Road Deviations	sum	1		
3	AB.7	Initial supply of all signs, barricades and delineators	sum	1		
4	PS.14	Survey coordination of existing valves, manholes, catchpits, and cable duct markers	sum	1		
5	AB.6	Cost of Samples and Contractor's Preliminary and Site Control Testing	sum	1		

MAGWAZA/MPHEMBA ROAD, KWAMASHU F: EMERGENCY STORMWATER NETWORK UPGRADE - WARD 47**Part Continued PART AB GENERAL SPECIFICATIONS**

Item	Clause	Description	Unit	Quantity	Rate	Amount
6	AB.7	Maintenance of all signs, barricades and delineators	sum	1		
7	AB.7	Maintenance of Pedestrian and Traffic Facilities	sum	1		
8	PS.13	Survey for, and Preparation of, 'As-Built' Drawings	sum	1		
9	PS.11	Site Security	sum	1		
10	C1.2.3.7	Expected Risk (de-establishment)	sum	1		
11	C1.2.3.7	expected risk (re-establishment)	sum	1		

TOTAL CARRIED TO SECTION 1 SUMMARY: STORMWATER PIPE NETWORK CONSTRUCTION**R****PART AH OCCUPATIONAL HEALTH and SAFETY**

Item	Clause	Description	Unit	Quantity	Rate	Amount
1	AH.14.1	Contractor's initial obligations in respect of the Occupational Health and Safety Act and Construction Regulations	sum	1		
2	AH.14.2	Contractor's time related obligations in respect of the Occupational Health and Safety Act and Construction Regulations	sum	1		
3	AH.14.3	Submission of the Health and Safety File. To include COVID-19 safety file	sum	1		

TOTAL CARRIED TO SECTION 1 SUMMARY: STORMWATER PIPE NETWORK CONSTRUCTION**R****PART B SITE CLEARANCE**

Item	Clause	Description	Unit	Quantity	Rate	Amount
1	B.8.2	General clearance and grubbing in road reserve	m2	210		
2	B.8.12	Removal of underground old, damaged and non-functioning stormwater manholes. Rate to include excavation, demolition and transport to the nearest approved municipal tip.	Item	1		
3	B.8.19	Removal of disused pipes, 300 - 500 mm diameter and spoil at tip. Rate to include all haulage	m	30		

TOTAL CARRIED TO SECTION 1 SUMMARY: STORMWATER PIPE NETWORK CONSTRUCTION**R**

PART DB EARTHWORKS FOR PIPE TRENCHES

Item	Clause	Description	Unit	Quantity	Rate	Amount
1	DB.8.5	Excavate and backfill in all material for 450 mm diameter pipe where depth is :- Over 0,0 m and not exceeding 1,5 m.(trench shall be backfilled in layers not exceeding 300 mm in thickness and the material shall be compacted to 93% Mod. A.A.S.H.T.O. density.)	m3	300		
2	DB.8.5	Excavate and backfill in all material for 450 mm diameter pipe where depth is :- Over 1,5 m and not exceeding 2,0 m.	m3	80		
3	DB.8.10	Placing and compacting of Class C pipe bedding.	m	165		
4	DB.8.20	Trench shoring	m2	720		
5	DB.8.19	Prove existing services by hand excavation (provisional), where depth is: - - Over 0,0 m and not exceeding 1,5 m	m3	10		

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PART ED ROAD ASPHALT

Item	Clause	Description	Unit	Quantity	Rate	Amount
1	PS.ED.8.5	Saw Cut existing road edge	m	180		

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PART EF KERBS AND HAUNCHES

Item	Clause	Description	Unit	Quantity	Rate	Amount
1	EF.8.1	Type A barrier kerb and channel	m	200		

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PART EG SIDEWALKS, FOOTPATHS and MEDIAN AREAS

Item	Clause	Description	Unit	Quantity	Rate	Amount
1	EG.8.1	Asphalt sidewalk 25mm - Asphalt Private Plant - Mix D	m2	150		

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PART F PROTECTION WORKS

Item	Clause	Description	Unit	Quantity	Rate	Amount
1	F.8.6	Gabion boxes : 1000 mm depth (1000mm X 1000mm)	m3	10		

Part Continued **PART F PROTECTION WORKS**

Item	Clause	Description	Unit	Quantity	Rate	Amount
2	F.8.6	Gabion mattresses, 300 mm thick (2000mm X 1000mm)	m3	10		

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PART PG NON PRESSURE PIPELINES and PC CULVERTS

Item	Clause	Description	Unit	Quantity	Rate	Amount
1	PG.8.2	supply and lay 450 mm diameter concrete Class 100D (spigot & socket type).	m	200		

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PART PH MANHOLES and APPURTENANT DRAINAGE WORKS

Item	Clause	Description	Unit	Quantity	Rate	Amount
1	PH.8.2	Manhole type A with inlet type cover S2. Depth :- - Over 0,0 m and not exceeding 1,5 m	no.	8		
2	PH.8.2	Manhole type A with inlet type cover S2. Depth :- - Over 1,5 m and not exceeding 2,0 m	no.	2		
3	PH.8.2	Manhole type A with inlet type cover S3. Depth :- - Over 0,0 m and not exceeding 1,5 m	no.	2		
4	PH.8.5.3	Construct standard outlet headwall as per drawing no. 38576	no.	2		
5	PH.8.5.4	Benching	m3	14		

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PART S REINSTATEMENT

Item	Clause	Description	Unit	Quantity	Rate	Amount
1	S.8.2	Permanent road reinstatement 150 mm crusher run layer, 160mm Mix D in two layers of 80mm each. Refer clause S.5.1.3 in the standard specifications (Yellow Pages)	m2	40		
2	S.8.1	Reinstatement of ground surface on pipeline route	m2	300		

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