

1.

Item No	SANS Pay Ref	Description	Unit	Quantity	Rate	Amount	
		<b><u>1000mm Wide RC V-drain Channel</u></b>					
		The rate for concrete shall include supply, testing, placing, floating and curing					
10	SANS 1200	25MPa/19mm Concrete	m3	95			
		<b><u>80mm THICK BLOCK PAVING</u></b>					
11		35 mm Bedding Sand	m3	50			
12	SABS1200D	80mm interlocking Class 35 blocks	m2	1 120			
		<b><u>Road Traffic Signs and Markings</u></b>					
13		Traffic signs			SUM		
14	8.3.12	Road Markings			SUM		
		<b><u>PAVING</u></b>					
15	8.3.2	Preparation and Stripping to 300mm depth, stockpiling and maintaining	m3	410			
16	8.3.3	Treatment to Roadbed : Insitu rip and recompact 150mm deep to 100% Mod AASHTO (sand)	m3	205			
17		125mm thk G5 compacted to 95% Mod AASHTO	m3	170			
18	SANS1200MF 5.4.42 (b)	125mm thk C4 (G5 engineered fill) compacted to 97% Mod AASHTO	m3	170			
19		Allow 5% by volume of C4 layer for Ordinary Portland Cement required	m3	9			
20		35 mm Bedding Sand	m3	45			
21		50mm interlocking Class 35 blocks	m2	1 350			
		<b>Carried to Collection</b>			R		
		Section No. 18 CIVIL WORKS Bill No. 1 Paving					

3.

Item No	SANS Pay Ref	Description	Unit	Quantity	Rate	Amount	
		<b><u>SECTION NO. 18</u></b>					
		<b><u>BILL NO. 2</u></b>					
		<b><u>BURIED SERVICES</u></b>					
		<b><u>STORMWATER</u></b>					
	SANS1200DB 8.3.2	<b><u>Excavate in all materials for trenches, backfill, compact and dispose of surplus material</u></b>					
1		Ø450 pipe 1m to 2m depth	m3	500			
2		Ø450 pipe deeper than 2m	m3	85			
	SANS1200DB 8.3.4	<b><u>Particular items.</u></b>					
3	8.3.4.a	Shore trench opposite structure or service	m	30			
	8.3.4.b	<b><u>Temporary works: Control water inflow at invert level below 1.5m elevation.</u></b>					
4	1	Provide equipment			SUM		
5	2	Operate and maintain (measured in number of days)	No	15			
6	3	Remove equipment			SUM		
	SANS1200LB 8.2.1	<b><u>Provision of fill blanket and bedding from trench excavation</u></b>					
7	8.2.1.a	Selected granular material	m3	200			
		<b><u>Backfill from trench excavation and local stockpiling.</u></b>					
8	8.2.1.b	Selected fill material	m3	100			
		<b>Carried to Collection</b>			R		
		Section No. 18 CIVIL WORKS Bill No. 2 Buried Services					

Item No	SANS Pay Ref	Description	Unit	Quantity	Rate	Amount	
9	SANS1200LE 8.2.1	<b><u>Supply and lay different classes of pipe.</u></b>  Supply and lay Class 25D Ø450 concrete pipe on a class B bedding (spigot and socket joints)	m	225			
10	SANS1200LE 8.2.8	<b><u>Supply and install manholes, catchpits and the like. See Drawing No. DBSA-MBO-S1-CIV-DWG-004</u></b>  TYPE A and TYPE B Brick manholes deeper than 1.190m with 800x800 BLITZ-BETON Type Grid Inlest Grating and Frame	No	6			
11		TYPE C Brick manholes deeper than 1.190m with 800sqm M.H. COVER AND FRAME TO SABS 558 TYPE 6	No	2			
		<b><u>POTABLE WATER AND FIREWATER</u></b>					
12	SANS1200DB 8.3.2	<b><u>Excavate in all materials for trenches, backfill, compact and dispose of surplus material</u></b>  Ø110, Ø75, Ø50, Ø32 pipe 1m to 2m depth	m3	650			
13	SANS1200LB 8.2.1 8.2.1.b	<b><u>Provision of bedding from trench excavation and local stockpiling.</u></b>  Selected fill sand material	m3	650			
14	SANS1200LE 8.2.1	<b><u>Supply and lay different classes of pipe.</u></b>  Supply and lay Ø50mm OD PE100 HDPE water pipe to SANS 966-1 including all elbows and Tees.	m	50			
15		Supply and lay Class 6 Ø75mm OD PE100 HDPE water pipe to SANS 966-1 including all elbows and Tees.	m	325			
		<b>Carried to Collection</b>				R	
		Section No. 18 CIVIL WORKS Bill No. 2 Buried Services					

Item No	SANS Pay Ref	Description	Unit	Quantity	Rate	Amount	
16		Supply and lay Ø110mm OD PE100 HDPE Fire-water pipe to SANS 966-1 including all elbows and Tees.	m	470			
17		Supply and lay Ø32mm OD PE100 HDPE Fire-water pipe to SANS 966-1 including all elbows and Tees.	m	60			
	SANS1200LF	<b><u>Erf Connections</u></b>					
18	8.2.7	Supply and install cast iron valve/ junction/ surface boxes	No	1			
19	8.2.6	Supply and install double union "Tekflo" PVC ball valves for Ø75mm pipe.	No	1			
20		Supply and install double union "Tekflo" PVC ball valves for Ø110mm pipe.	No	1			
21	8.2.4	Supply and install meters complete with couplings	No	1			
22	8.2.5	Site testing of meter	No	1			
		<b><u>SEWERAGE</u></b>					
	SANS1200DB 8.3.2	<b><u>Excavate in all materials for trenches, backfill, compact and dispose of surplus material</u></b>					
23		Ø150 UPVC pipe 1m to 2m depth	m3	235			
24		Ø110 UPVC pipe 1m to 2m depth	m3	400			
	SANS1200DB 8.3.4	<b><u>Particular items.</u></b>					
25	8.3.4.a	Shore trench opposite structure or service	m	30			
		<b><u>Temporary works: Control water inflow at invert level below 1.5m elevation.</u></b>					
26	1	Provide equipment			SUM		
		<b>Carried to Collection</b>			R		
		Section No. 18 CIVIL WORKS Bill No. 2 Buried Services					

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