

SCHEDULE 10 : STRUCTURAL CONCRETE WORKS TO PIPELINE MANHOLES AND CHAMBERS						
ITEM NO.	REF	DESCRIPTION	UNIT	QUANT	RATE	AMOUNT
10	<b>SABS 1200 G</b>	<b><u>CONCRETE (Structural)</u></b>				
	<b>SABS 1200G</b>	<b><u>CONCRETE WORK</u></b>				
		<u>Concrete</u>				
10.1	8.4.2	Blinding layer in class 15MPa/19mm to a minimum thickness of 50mm underneath structures	m <sup>2</sup>	698		
	8.4.3	<u>Strength concrete - class 25MPa/19mm in manholes</u>				
10.2		i) Air valves on pump mains	m <sup>3</sup>	165		
10.3		ii) Scour valve chamber on pump mains	m <sup>3</sup>	155		
10.4		iii) Air valve - check valve combination box on pump mains	m <sup>3</sup>	64		
10.5		iv) Valve chambers and connection chambers	m <sup>3</sup>	27		
10.6		v) Gravity pedestals	m <sup>3</sup>	536		
10.7		vi) Concrete Encasing	m <sup>3</sup>	101		
10.8		vii) Pump Line Pedestals	m <sup>3</sup>	250		
	<b>SABS 1200G</b>	<b><u>FORMWORK:</u></b>				
	8.2.2	<b><u>Formwork - Class S1: Manholes</u></b>				
		a) <u>Vertical plane</u>				
10.9		i) External and internal walls of manholes	m <sup>2</sup>	3557		
		b) <u>Horizontal plane</u>				
10.10		i) Manholes and boxes	m <sup>2</sup>	268		
	8.2.5	<b><u>Narrow width (up to 300mm wide) to:</u></b>				
10.11		a) Sides of manhole floor slab, roof slabs and support pedestals	m	895		
	8.2.6c)	<u>Box-out holes, rectangular through concrete 150 to 300 mm thick: for pipe fitting equipment supplied by Contractor and installed by the Civil Contractor : (Prov.)</u>				
10.12		i) 930mm x 930mm for 600mm pipe	no	77		
10.13		ii) 400mm x 400mm for 200mm pipe	no	22		
		<b><u>Reinforcement</u></b>				
10.14	8.3.1	Reinforcement, (high tensile steel)	t	157		
10.15	8.3.1	Reinforcement, (mild steel)	t	15		
10.16	8.3.2	High tensile welded mesh - Ref No 395	m <sup>2</sup>	67		
	8.4.4	<b><u>Unformed surface finish</u></b>				
10.17		a) Wood float finish to manhole roof structures	m <sup>2</sup>	212		
TOTAL CARRIED FORWARD						

ITEM NO.	REF	DESCRIPTION	UNIT	QUANT	RATE	AMOUNT
<b>TOTAL BROUGHT FORWARD</b>						
		<u>Grouting / casting in of pipe specials</u>				
	PSG6.1	a) Grouting in of puddle flanged pipe pieces (installed by the Civil Contractor) in the following pipe diameters (Refer PSG4.1) (Provisional)				
10.18		i) 200 dia. flanged steel pipe	no	22		
10.19		ii) 600 dia. flanged steel pipe	no	39		
	<b>SABS 1200G</b>	<u>MISCELLANEOUS</u>				
10.20	8.8	Supply and install lockable manhole covers and frames: 650mm Heavy Duty lockable concrete cover with galvanised steel ring encased in concrete cover slab.	no	38		
10.21	PSG6.8	Step irons (calcimite or similar approved)	no	86		
<b>TOTAL SCHEDULE 10 CARRIED FORWARD TO SUMMARY</b>						