

Table A.2: CES SEWER MASTER PLAN ITEMS - PROPOSED WORKS AND PHASING

Item	Description	Estimated cost (Incl. P&G, Contg.'s Fees, excl. VAT)	Comments
		2017	
BEAUFORT WEST			
Pipelines			
BWS1.1	900 m x 200 mm Ø Upgrade existing outfall sewer	R2 061 040	When future area B4 develops
BWS1.2	93 m x 250 mm Ø Upgrade existing outfall sewer	R318 742	When overflow problems occur
BWS1.3	86 m x 300 mm Ø Upgrade existing outfall sewer	R366 673	When overflow problems occur
BWS1.4	76 m x 200 mm Ø Upgrade existing outfall sewer	R232 466	When overflow problems occur
BWS1.5	41 m x 200 mm Ø Upgrade existing outfall sewer	R155 776	When overflow problems occur
BWS1.6	592 m x 200 mm Ø Upgrade existing outfall sewer	R1 380 418	When overflow problems occur
BWS1.7	693 m x 450 mm Ø Upgrade existing outfall sewer	R3 486 992	When overflow problems occur
BWS1.8	215 m x 160 mm Ø New outfall sewer	R390 639	New outfall for future area B5
BWS2.1	792 m x 200 mm Ø New outfall sewer	R1 497 849	New outfall for future area B9
BWS2.2	484 m x 200 mm Ø New outfall sewer	R939 451	New outfall for future area B8 and B9
BWS2.3	179 m x 375 mm Ø Upgrade existing outfall sewer	R685 416	When overflow problems occur
Sub-Total		R11 515 462	
Telemetry			
BWS3.1	Upgrade existing telemetry system	R335 518	To increase reliability of Telemetry
Sub-Total		R335 518	
Total		R11 850 980	
MERWEVILLE			
Pipelines			
BMS1.1	1 411 m X 160 mm Ø New outfall sewer	R2 219 213	New outfall sewer for existing unserviced erven
BMS1.2	2 631 m x 160 mm Ø New outfall sewer	R4 081 339	New outfall sewer for existing unserviced erven
BMS1.3	87 m x 160 mm Ø New syphon	R414 605	New syphon to cross the river
Sub-Total		R6 715 156	
Telemetry			
BMS2.1	Upgrade / install telemetry system	R167 759	To increase reliability of Telemetry
Sub-Total		R167 759	
Total		R6 882 915	
NELSPOORT			
Pipelines			
BNS1.1	219 m x 10 mm Ø New outfall sewer	R397 829	New outfall for future area N2
BNS1.2	386 m x 160 mm Ø New outfall sewer	R651 864	New outfall for future area N4
Sub-Total		R1 049 692	
Pumping Stations			
BNS1.3	Upgrade Nelspoort Main pump station to 15 l/s	R474 519	
Sub-Total		R474 519	
Telemetry			
PKS3.1	Upgrade / install telemetry system	R335 518	To increase reliability of Telemetry
Sub-Total		R335 518	
Total		R1 859 729	