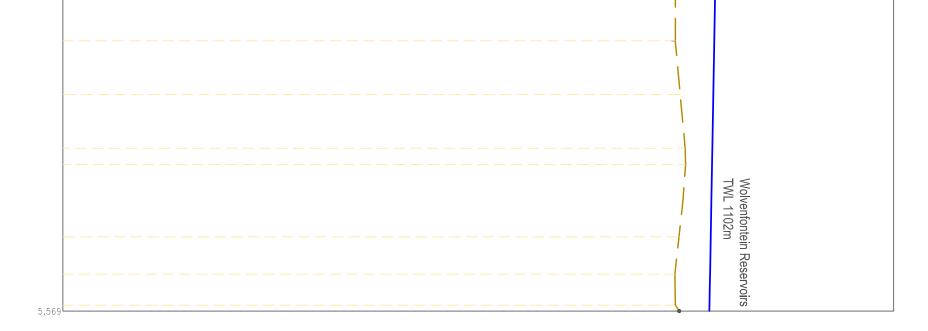
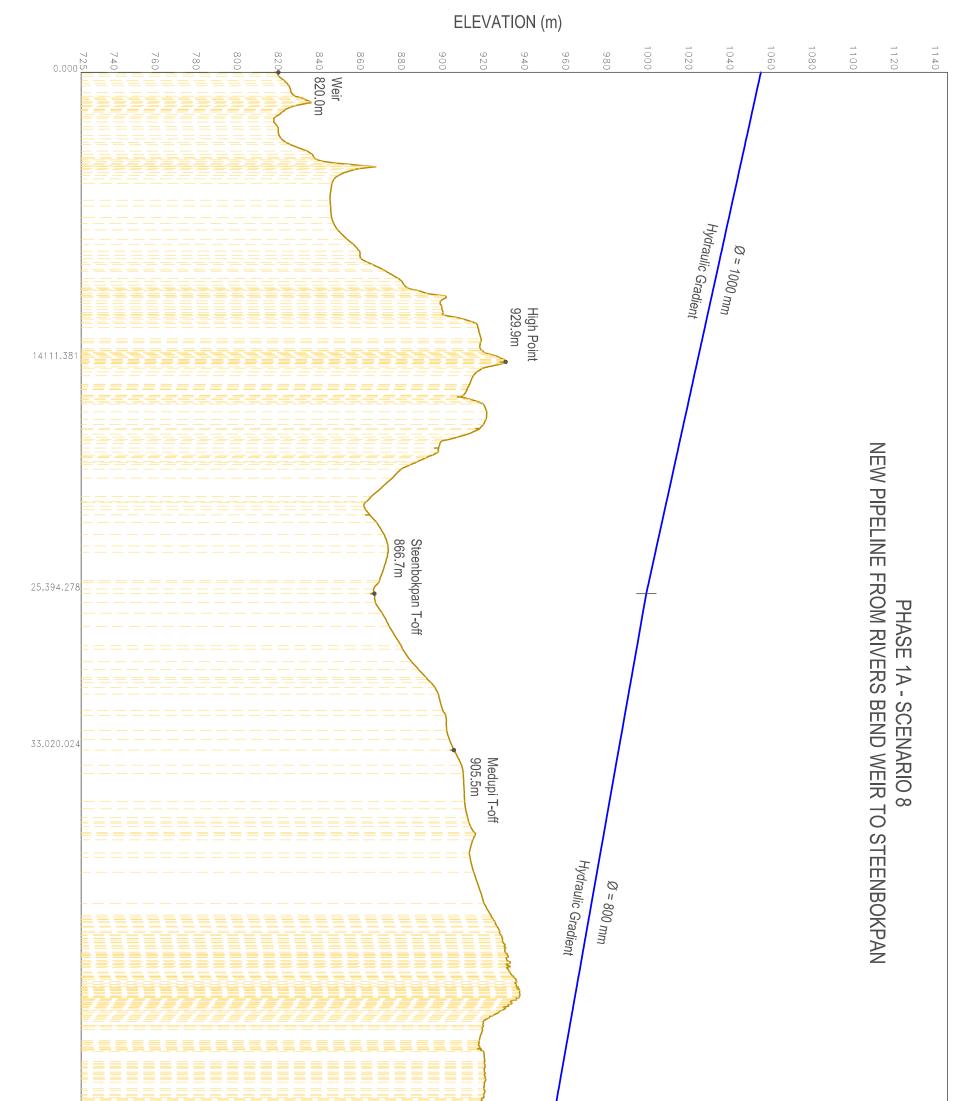
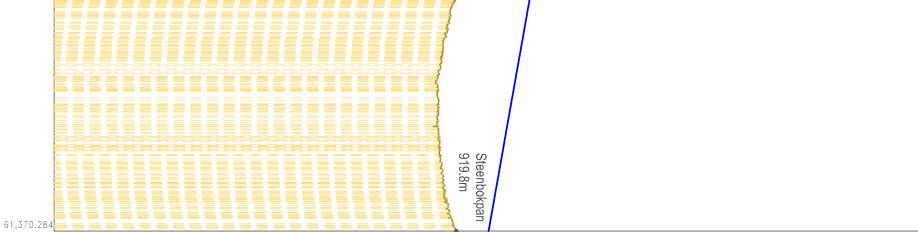
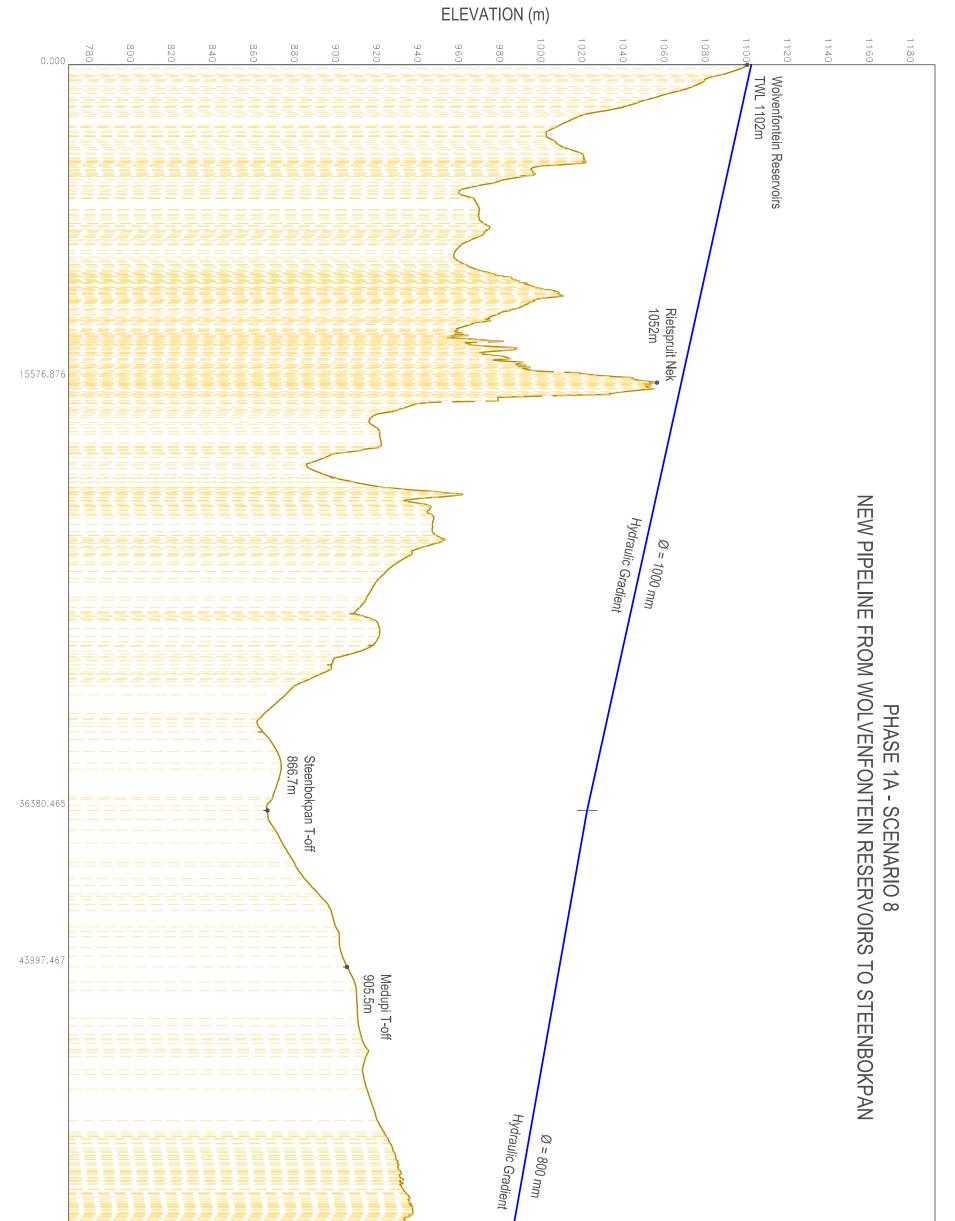


CHAINAGE (m)









CHAINAGE (m)

	Ste 919
72294.104	Steenbokpan 919.8m

Lephalale/Steenbokpan delivery layout Phase 1A - Pipeline from Rivers Bend Weir Scenario 8 - 2014

2014 DEMANDS (from Mokolo Dam)

zera Bennarbe (nem n											
Demand Centre	Demand	Losses	PF	Q (Mm³/a)	Q (I/s)						
Zeeland	10.143	2%	1.2	12.42	393.68	Demand along exis	t ing pipeline				
Matimba	3.600	2%	1.2	4.41	139.73	Demand along exis	t ing pipeline				
Exarro	8.845	2%	1.2	10.83	343.30	Demand along new	pipeline				
Medupi	9.400	2%	1.2	11.51	364.84	Demand along new	pipeline				
Steenbokpan	18.414	2%	1.2	22.54	714.70	Demand along new	pipeline				
	50.402			:	1956.24						
		AAD (m3/a):	18.41				AAD (m3/a):	18.414		AAD (m3/a):	18.414
		Design flow (I/s):	715				Design flow (I/s):	715		Design flow (I/s):	715
		Diameter (mm):	800				Diameter (mm):	800		Diameter (mm):	800
		Length (m):	5 103				Length (m):	8 696		Length (m):	14 551
		Velocity (m/s):	1.41				Velocity (m/s):	1.41		Velocity (m/s):	1.41
Steenbokpan		Head loss (m):	9.03			3.35	Head loss (m):	15.39	4.05	Head loss (m):	25.75
18.414 m3/a 715 l/s 46	1.54 919.81	25B]		(910.40	254		918.64	[:	24

Legend				
18.414	Design flow incl peaks & losses (l/s)			
715	Annual Average Demand (m3/a)			
7.43	Pressure at node (bar)			
919.81	Elevation at node (m)			
	Dams/Weirs			
44	Pipe node #			
15	Pipe section #			
	Delivery pipeline			

PIPE LENGTHS	
800 mm	37 834 m
1000 mm	25 394 m
Total length	63 228 m

Q (l/s)

