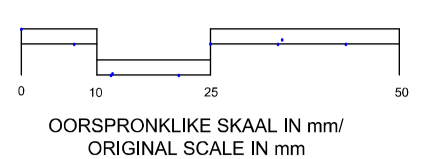
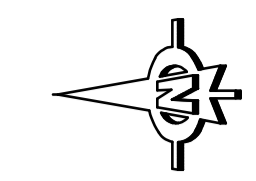


LAYOUT  
SCALE 1:1000



NOTAS-NOTES

LEGEND		
EXISTING	NEW	DESCRIPTION
---	---	WATER PIPELINE
---	---	200mm DIA PN12.5 PE100 HDPE
---	---	110mm DIA PN12.5 PE100 HDPE
---	---	32mm DIA PN12.5 PE100 HDPE ERF CONNECTION AS PER DETAIL
→	→	CONNECT TO EXISTING
✕	✕	SCOUR VALVE
+	+	AIR VALVE
90°	90°	BEND
⊗	⊗	VALVE
⊕	⊕	END CAP
⊗	⊗	SDR 13 HDPE SADDLE
⊗	⊗	HYDRANT
+	+	POLE
⋄	⋄	STREET LIGHT
---	---	STORMWATER PIPELINE
WM	WM	WATER METER
102.21 100.23 1.98	102.21 100.23 1.98	COVER LEVEL INVERT LEVEL DEPTH STORMWATER
---	---	FENCES
---	---	WALLS
⊙	⊙	TREES

Control Points (WGS84/19)				
#	Name	Y Coordinate	X Coordinate	Elevation (m)
291A		+16 573.510	-3 797 420.583	0.000
DR1		+14 707.362	-3 800 963.893	18.444
DR2		+15 063.549	-3 800 851.372	27.137
DR3		+15 537.508	-3 800 835.351	38.251
DR4		+15 881.512	-3 800 829.292	38.404
DR5		+15 976.307	-3 800 834.531	39.867
DR6		+16 082.374	-3 799 895.014	26.222
DR7		+16 121.436	-3 799 395.713	22.637
DR8		+16 225.576	-3 798 954.779	19.788
DR9		+16 333.443	-3 798 432.101	18.559
DR10		+16 653.232	-3 798 027.493	32.324
DR11		+16 790.062	-3 797 810.124	27.003
DR12		+16 778.534	-3 797 821.963	23.689
DR13		+16 877.739	-3 797 459.410	27.511
DR14		+16 594.534	-3 797 515.992	65.336
LTR2		+14 616.703	-3 800 982.273	50.919
LTR2N		+14 619.657	-3 800 982.354	20.010
P3		+16 589.100	-3 797 446.110	0.000
P5		+16 583.260	-3 797 519.770	0.000
PAD1		+16 826.200	-3 797 376.333	0.000
PRD10G		+16 615.841	-3 798 059.204	31.769



Pipe design data.					
Reference	Y	X	IL	DEPTH	
81	16202.231	3799113.147	22.065	1.198	
82	16200.907	3799139.327	22.296	1.200	
83	16198.260	3799169.479	22.021	1.236	
84	16192.180	3799205.807	21.687	1.293	
85	16188.503	3799210.780	21.558	1.290	
86	16180.953	3799251.402	21.261	1.200	
87	16168.991	3799290.721	21.083	1.261	
88	16156.048	3799330.188	20.903	1.362	
89	16143.546	3799365.585	20.741	1.400	
90	16128.779	3799410.738	20.876	1.322	
91	16118.886	3799432.996	20.942	1.319	
92	16114.474	3799439.300	20.963	1.373	
93	16109.571	3799453.233	21.005	1.418	
94	16106.237	3799468.628	21.049	1.415	
95	16098.697	3799492.749	21.120	1.130	
96	16094.030	3799508.359	21.165	1.283	
97	16086.578	3799540.442	21.257	1.137	
98	16083.589	3799564.592	21.325	1.038	
99	16081.016	3799597.379	21.418	1.118	
100	16080.832	3799619.563	21.480	0.997	
101	16081.077	3799638.500	21.533	1.103	
102	16082.180	3799668.774	21.617	1.190	
103	16083.222	3799681.459	21.653	1.200	
104	16086.531	3799709.282	21.848	1.225	

SCALE : Vert 1:100 Hor 1:1000		DATUM : 20.00 msl	
Peg Distance (m)	1950.00	1952.46	1954.67
Ground level (m)	21.04	23.26	23.26
Invert Level (m)	22.07	22.30	22.02
Depth (m)	1.20	1.20	1.24
Grade (1%)	113.62	113.62	-110.20
Horizontal Align.	357:03:52	357:06:20	354:58:55
Pipe description	200mm DIA PN12.5 PE100 HDPE		
Reference	81	82	83

Wys Rev	Datum Date	Beskywing-Description

Raadgewende Ingenieur-Consulting Engineer

Datum-Date: \_\_\_\_\_

Klient-Client

Projek-Project

**ROOI ELS TO PRINGLE BAY BULK WATER SUPPLY PIPELINE**

Titel-Title

**LAYOUT AND LONGITUDINAL SECTION: SHEET 4**

Skaal-Scale	Datum-Date
AS SHOWN	FEBRUARY 2020
Tek. Nr.-Drw. No.	Wysig. Nr. Rev. No.
UDS 316/4	

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