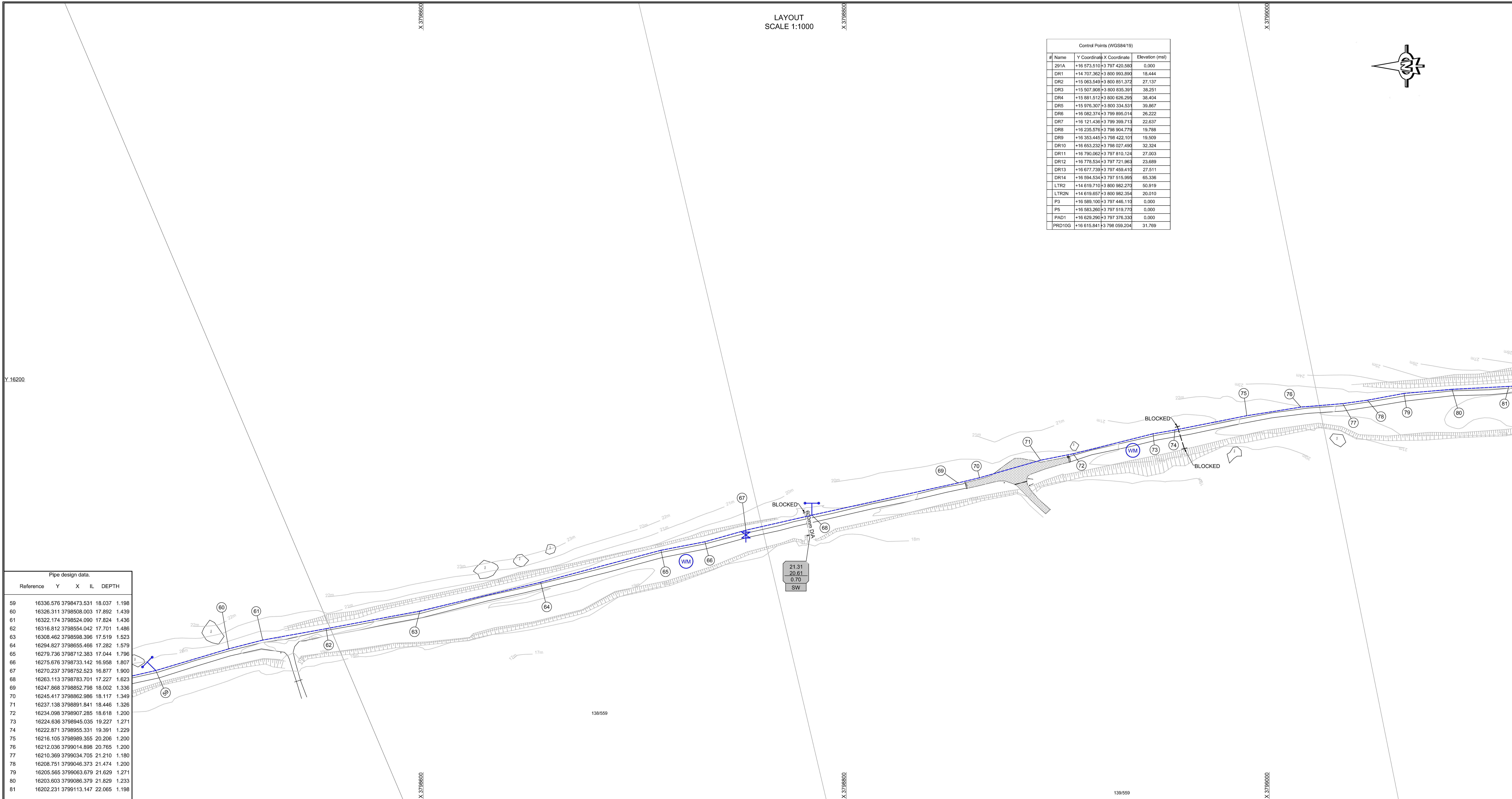
LAYOUT
SCALE 1:1000

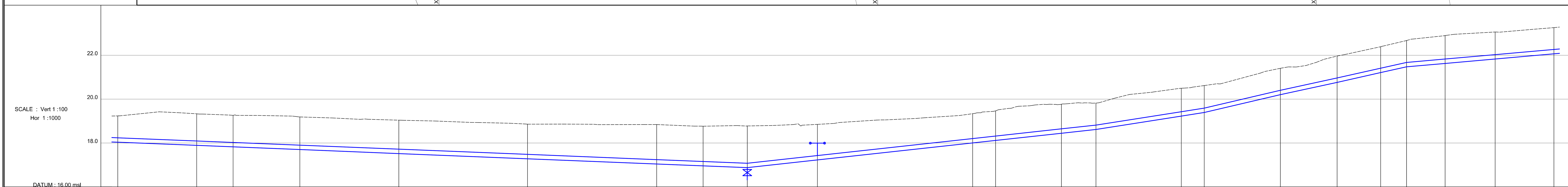


Control Points (WGS84/19)

#	Name	Y Coordinate	X Coordinate	Elevation (msl)
	291A	+16 573.510	+3 797 420.580	0.000
	DR1	+14 707.362	+3 800 993.890	18.444
	DR2	+15 063.549	+3 800 851.372	27.137
	DR3	+15 507.908	+3 800 835.391	38.251
	DR4	+15 881.512	+3 800 626.295	38.404
	DR5	+15 976.307	+3 800 334.531	39.867
	DR6	+16 082.374	+3 799 895.014	26.222
	DR7	+16 121.436	+3 799 399.713	22.637
	DR8	+16 235.576	+3 798 904.779	19.788
	DR9	+16 353.445	+3 798 422.101	19.509
	DR10	+16 653.232	+3 798 027.490	32.324
	DR11	+16 790.062	+3 797 810.124	27.003
	DR12	+16 778.534	+3 797 721.963	23.689
	DR13	+16 677.739	+3 797 459.410	27.511
	DR14	+16 594.534	+3 797 515.995	65.336
	LTR2	+14 619.710	+3 800 982.270	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	+16 629.290	+3 797 376.330	0.000
	PRD10G	+16 615.841	+3 798 059.204	31.769

Pipe design data.

Reference	Y	X	IL	DEPTH
59	16336.576	3798473.531	18.037	1.198
60	16326.311	3798508.003	17.892	1.439
61	16322.174	3798524.090	17.824	1.436
62	16316.812	3798554.042	17.701	1.486
63	16308.462	3798598.396	17.519	1.523
64	16294.827	3798655.466	17.282	1.579
65	16279.736	3798712.383	17.044	1.796
66	16275.676	3798733.142	16.958	1.807
67	16270.237	3798752.523	16.877	1.900
68	16263.113	3798783.701	17.227	1.623
69	16247.868	3798852.798	18.002	1.336
70	16245.417	3798862.986	18.117	1.349
71	16237.138	3798891.841	18.446	1.326
72	16234.098	3798907.285	18.618	1.200
73	16224.636	3798945.035	19.227	1.271
74	16222.871	3798955.331	19.391	1.229
75	16216.105	3798989.355	20.206	1.200
76	16212.036	3799014.898	20.765	1.200
77	16210.369	3799034.705	21.210	1.180
78	16208.751	3799046.373	21.474	1.200
79	16205.565	3799063.679	21.629	1.271
80	16203.603	3799086.379	21.829	1.233
81	16202.231	3799113.147	22.065	1.198



Reference	Peg Distance (m)	Ground level (m)	Invert Level (m)	Depth (m)
	1300.00	53.74		
59	1302.74	19.23	18.04	1.20
60	1338.70	19.33	17.89	1.44
61	1355.31	19.26	17.82	1.44
62	1385.74	19.19	17.70	1.49
63	1430.88	19.04	17.52	1.52
64	1489.55	18.86	17.28	1.58
65	1548.44	18.84	17.04	1.80
66	1569.59	18.77	16.96	1.81
67	1589.72	18.78	16.88	1.90
68	1621.70	18.85	17.23	1.62
69	1692.46	19.34	18.00	1.34
70	1702.94	19.47	18.12	1.35
71	1732.96	19.77	18.45	1.33
72	1748.70	19.82	18.62	1.20
73	1787.61	20.50	19.23	1.27
74	1798.06	20.62	19.39	1.23
75	1832.75	21.41	20.21	1.20
76	1858.62	21.97	20.77	1.20
77	1878.49	22.39	21.21	1.18
78	1890.27	22.67	21.47	1.20
79	1907.87	22.90	21.63	1.27
80	1930.65	23.06	21.83	1.23
81	1957.46	23.26	22.07	1.20
	1960.00	46.93		

Grade (1:_): -247.42, -247.42, -247.42, -247.42, -247.42, -247.42, -247.42, -247.42, -247.42, 91.31, 91.31, 91.31, 91.31, 91.31, 63.89, 63.89, 42.55, 46.27, 44.65, 44.65, 113.62, 113.62, 113.62, 113.62

Horizontal Align.: 347:09:40, 343:25:04, 345:34:45, 349:51:00, 349:20:19, 346:33:45, 345:09:01, 348:56:03, 344:19:27, 347:07:44, 347:33:31, 346:28:18, 343:59:25, 348:51:54, 345:55:44, 350:16:20, 348:45:13, 350:56:54, 355:11:22, 352:06:21, 349:34:00, 355:03:44, 357:03:52, 357:06:20

Pipe description: 200mm DIA PN12.5 PE100 HDPE

0 10 25 50
OORSPRONKLIKE SKAAL IN mm/
ORIGINAL SCALE IN mm

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°	BEND
		VALVE
	110	END CAP
	110 / 32	SDR 13 HDPE SADDLE
		HYDRANT
		POLE
		STREET LIGHT
		STORMWATER PIPELINE
WM	WM	WATER METER
102.21 / 100.23 / 1.98 / SW		COVER LEVEL / INVERT LEVEL / DEPTH / STORMWATER
		FENCES
		WALLS
		TREES

Wys Rev	Datum Date	Beskrywing-Description

Prof. Reg. No.

Date

Raadgewende Ingenieur-Consulting Engineer

Datum-Date:

Klient-Client

Municipaliteit • U-Masipala • Municipality OVERSTRAND

Projek-Project

ROOI ELS TO PRINGLE BAY BULK WATER SUPPLY PIPELINE

Titel-Title

LAYOUT AND LONGITUDINAL SECTION: SHEET 3

Skaal-Scale	Datum-Date
AS SHOWN	FEBRUARY 2020

Tek. Nr.-Drw. No.	Wysig. Nr. Rev. No.
UDS 316/3	

uds africa
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