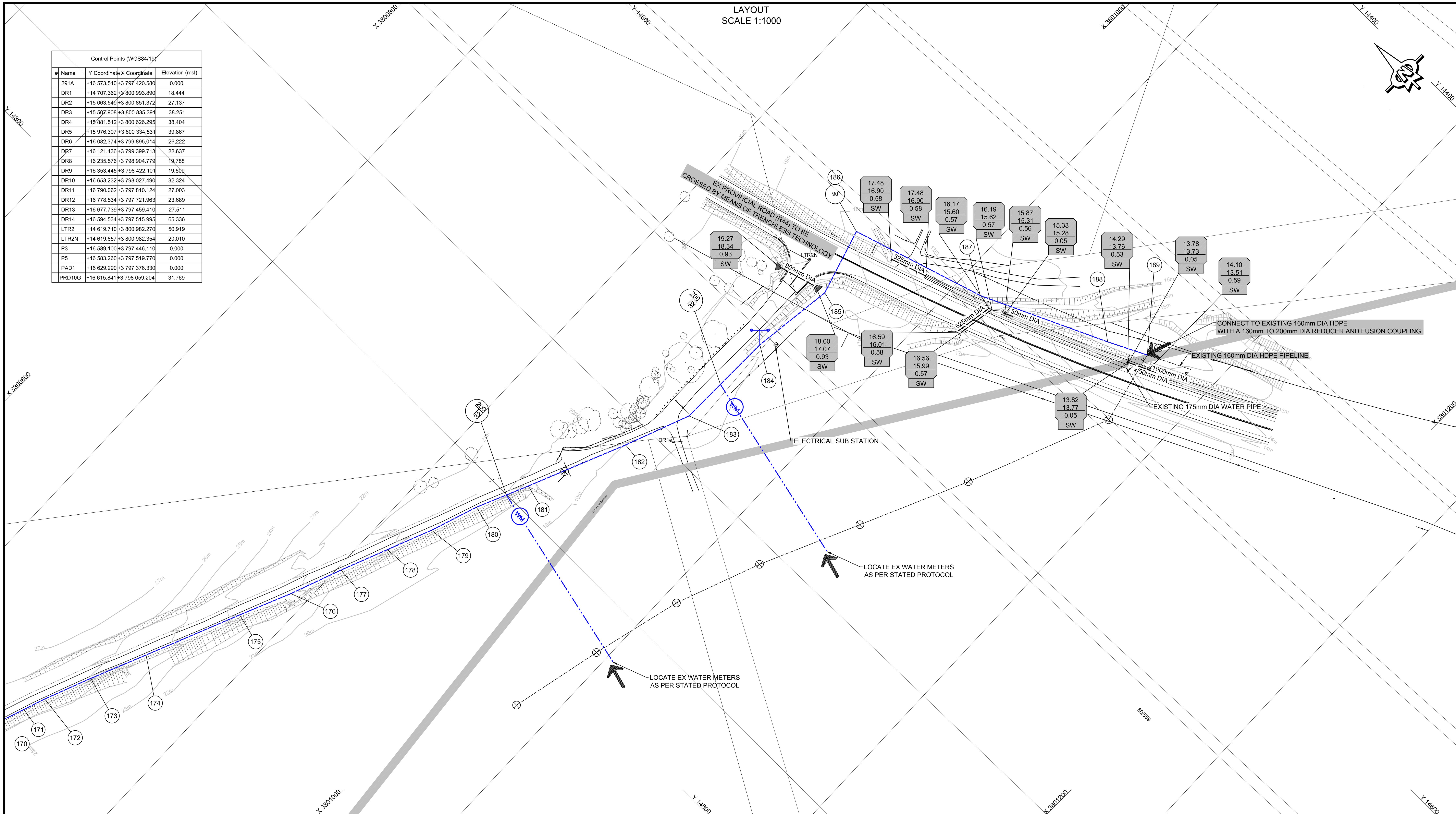
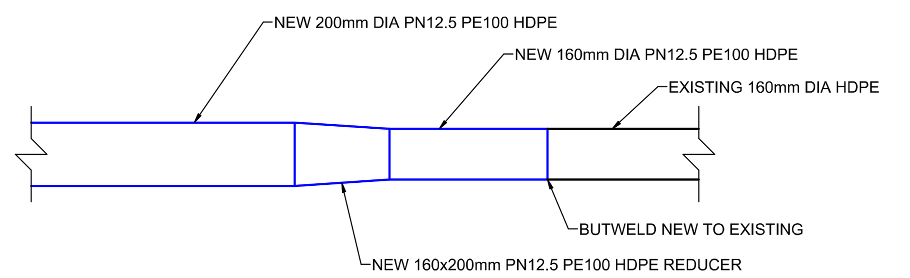
LAYOUT
SCALE 1:1000



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

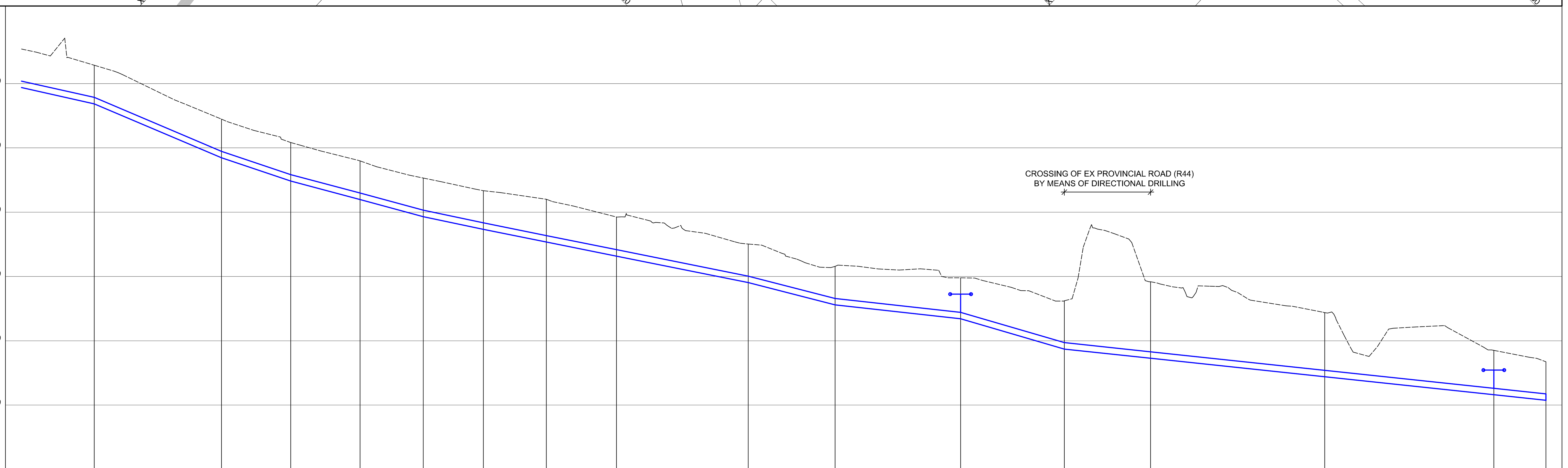
TYPICAL DETAIL TO CONNECT TO EXISTING 160mm DIA HDPE



Pipe design data.

Reference	Y	X	IL	DEPTH
174	14910.639	3800908.621	23.369	1.200
175	14873.869	3800923.367	21.692	1.200
176	14853.952	3800931.602	20.967	1.200
177	14833.655	3800938.907	20.393	1.200
178	14815.319	3800946.065	19.860	1.200
179	14797.865	3800952.830	19.466	1.200
180	14779.240	3800958.866	19.072	1.328
181	14759.090	3800967.288	18.633	1.213
182	14721.089	3800982.775	17.808	1.200
183	14695.720	3800992.228	17.115	1.200
184	14656.662	3800992.167	16.682	1.275
185	14624.559	3800995.740	15.741	1.500
186	14599.007	3800987.581	15.456	2.379
187	14582.511	3801039.242	14.879	1.994
188	14560.258	3801086.955	14.320	1.381
189	14552.982	3801101.464	14.147	1.200

SCALE : Vert 1 :100
Hor 1 :1000



DATUM : 12.00 msl

Peg Distance (m)	Ground level (m)	Invert Level (m)	Depth (m)	Reference
4550.00	20.24			
4572.68	24.57	23.37	1.20	174
4612.29	22.89	21.69	1.20	175
4633.85	22.17	20.97	1.20	176
4655.42	21.59	20.39	1.20	177
4675.10	21.06	19.86	1.20	178
4693.82	20.67	19.47	1.20	179
4713.40	20.40	19.07	1.33	180
4735.24	19.85	18.63	1.21	181
4776.28	19.01	17.81	1.20	182
4803.35	18.31	17.12	1.20	183
4842.41	17.96	16.68	1.28	184
4874.71	17.24	15.74	1.50	185
4901.53	17.83	15.46	2.38	186
4955.76	16.87	14.88	1.99	187
5008.41	15.70	14.32	1.38	188
5024.64	15.35	14.15	1.20	189

Grade (1:_)	Horizontal Align.
-44.95	292:04:31
-23.62	291:51:11
-29.73	292:27:48
-37.58	289:47:29
-36.93	291:19:29
-47.51	291:11:17
-49.73	287:57:20
-49.73	292:40:57
-49.73	292:10:24
-39.07	290:26:10
-90.21	269:54:36
-34.32	276:21:03
-94.06	252:17:29
-94.06	342:17:29
-94.06	334:59:44
-94.06	333:22:05

Pipe description: 200mm DIA PN12.5 PE100 HDPE | 200mm DIA PN12.5 PE100 HDPE IN SLEEVE | 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
Munisipaliteit • U-Masipala • Municipality
OVERSTRAND

Projek-Project
ROOI ELS TO PRINGLE BAY BULK WATER SUPPLY PIPELINE

Titel-Title
LAYOUT AND LONGITUDINAL SECTION: SHEET 8

Skaal-Scale: AS SHOWN
Datum-Date: FEBRUARY 2020
Tek. Nr.-Drw. No.: UDS 316/8
Wysig. Nr. Rev. No.:

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