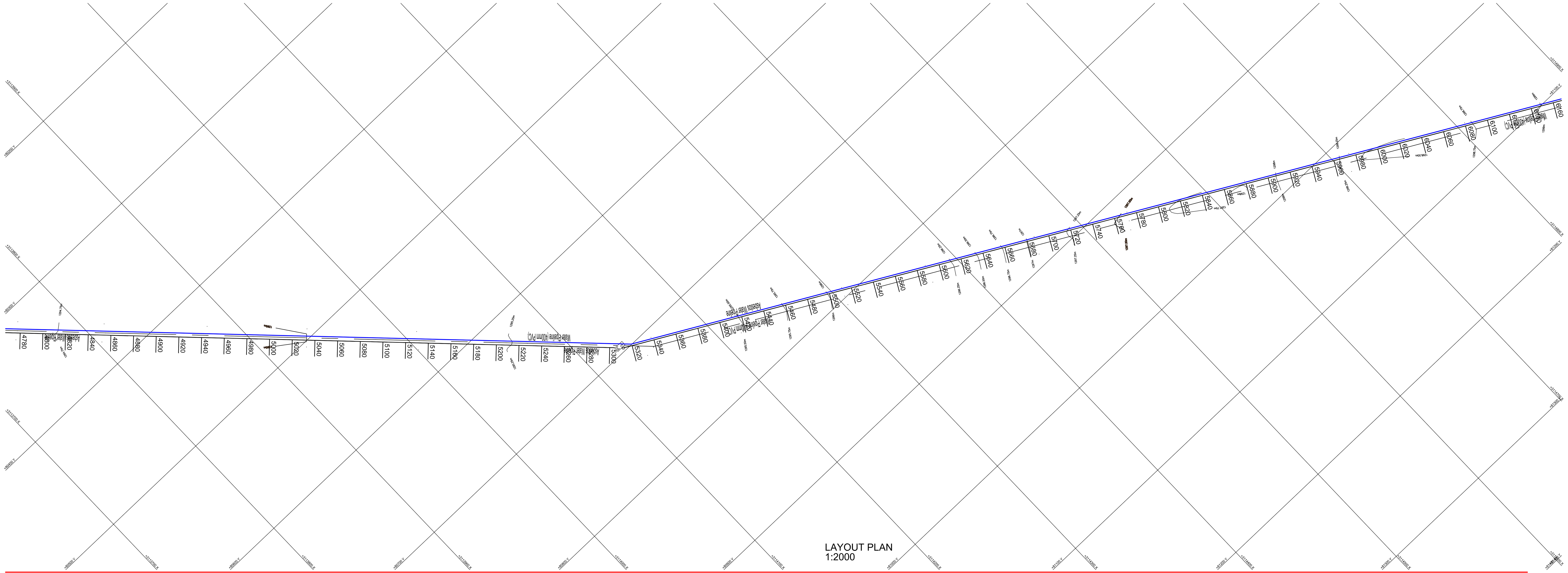
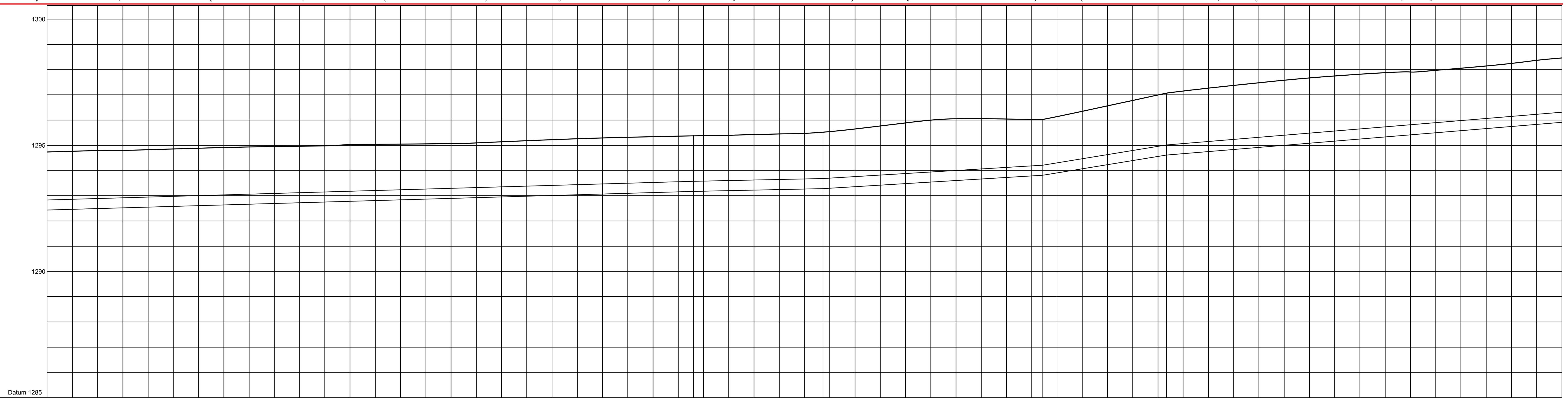


LAYOUT PLAN
1:2000

			LENGTH
	80335.263	3113770.660	511.998
PI 3 [8]	80697.217	3114132.781	102.671
	80746.688	3114222.746	174.059
	80830.558	3114375.266	98.011
	80877.783	3114461.146	313.268
	81028.729	3114735.646	

LEGEND	
———	EXISTING 200MM ASBESTOS CEMENT PIPELINE
——— (blue)	NEW 400MM HDPE PE 100 x PN 16 PIPE
— —	EXISTING 400MM PVC PUMPLINE



Ground Level	1294.734	1295.375	1295.485	1296.015	1297.069	1298.463
Inlet Level	1292.43	1293.17	1293.28	1293.81	1294.61	1295.91
Depth	2.20	2.20	2.20	2.20	2.46	2.39
Node Name		PI 3 [8]				
Link Type / Link Size	400HDPE PE 100 Class PN 16	400HDPE PE 100 Class PN 16				
Length / Slope	512.00 m 0.1%	102.67 m 0.1%	174.06 m 0.3%	98.01 m 0.8%	313.27 m 0.4%	
Flow	100.000 l/s	100.000 l/s				
Velocity	1.202 m/s	1.202 m/s				
Pressure (bar)	6.480	6.214 6.214	6.165 6.165	6.047 6.047	5.932 5.932	5.688
Chainage	4800	5312	5415	5589	5687	6000

PI 2 [7] to PI 3 [8]
1:2000 1:100

PIPE 1 LAYOUT AND LONGSECTION
SHEET 5 OF 10
1:2250

For Tender Purpose Only

AMENDMENDS

No	Date	By	

Client:
TSWELOPELE LOCAL MUNICIPALITY

Project:
THE REPLACEMENT OF OLD ASBESTOS PIPELINE AND ACCOMPANYING APPURTENANCES IN PHAHAMENG (BULTFONTEIN)

Drawing:
PIPE 1 LAYOUT AND LONGSECTION SHEET 5 OF 10

Date:	Scale:
JUNE 2026	AS SHOWN

PULE RAMASIMONG DEVELOPMENT CONSULTANTS

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Designed By:	PR
Drawn By:	SM
Checked By:	PR

PRDC-26-07-06-P1-PL5
Drawing No.

Contract No. **PRDC-26-07**