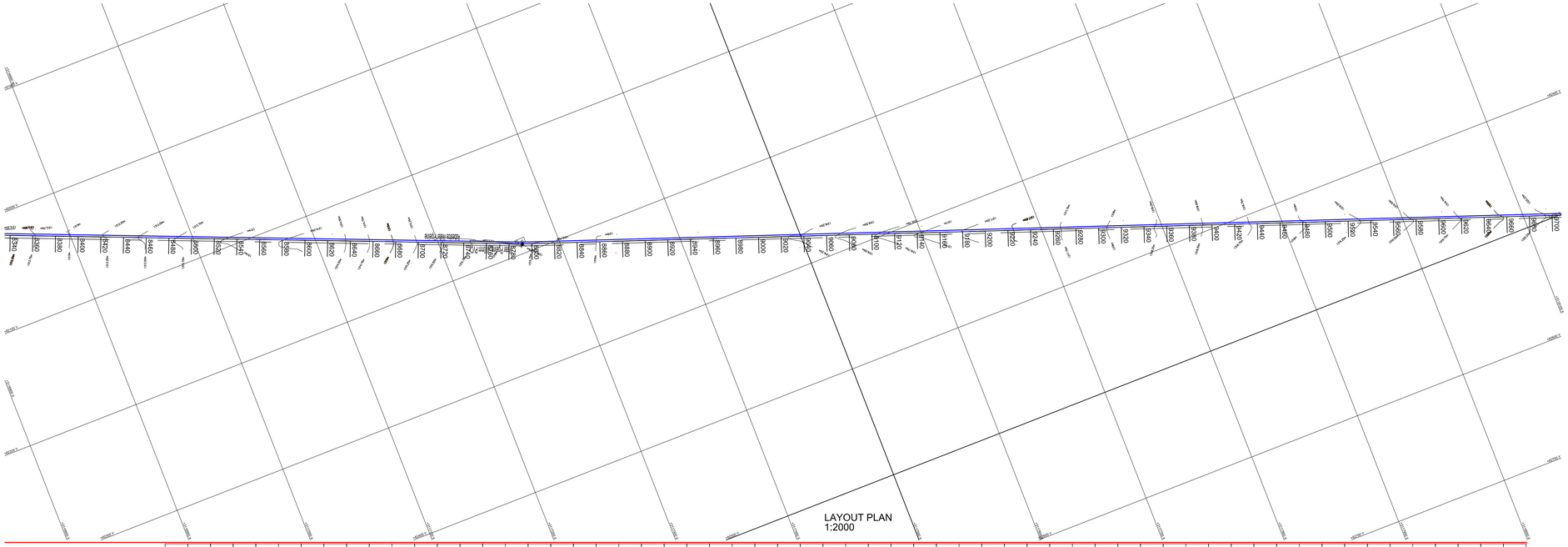
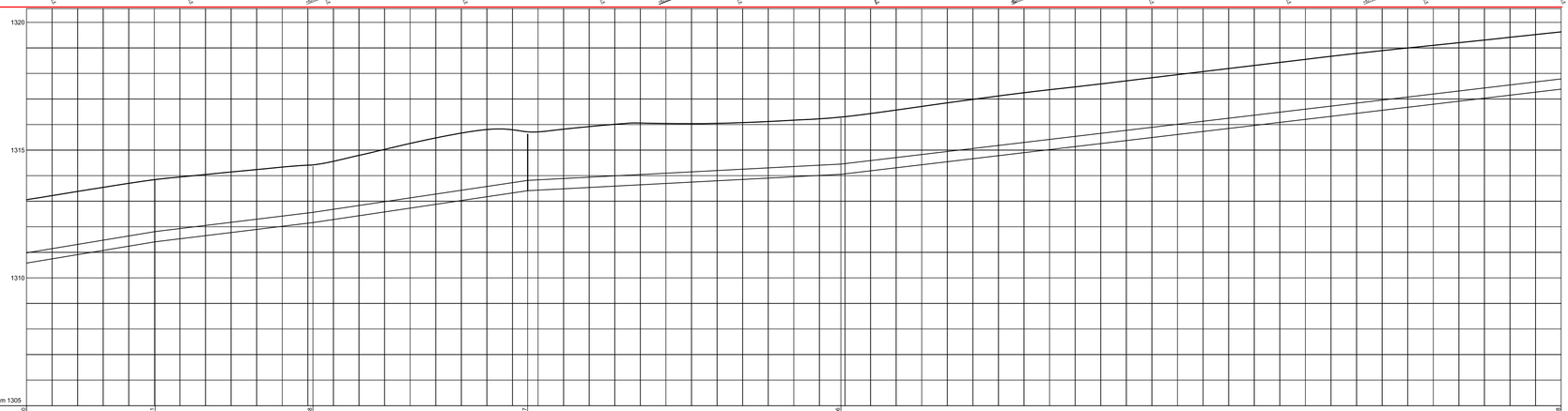



LAYOUT PLAN
1:2000




| | | | | | | |
|---|---|---|---|---|---|---|
| Ground Level | 1313.050 | 1313.651 | 1314.366 | 1315.617 | 1316.256 | 1319.678 |
| Inlet Level | 1310.56 | 1311.41 | 1312.17 | 1313.41 | 1313.85 | 1317.38 |
| Depth | 2.37 | 2.44 | 2.20 | 2.20 | 2.20 | 2.30 |
| Node Name | | | | PI 5 [13] | | |
| Link Type / Link SIze | 400mDPE PE 100 Class PN 16 | | | | 400mDPE PE 100 Class PN 16 | |
| Length / SIope | 100.65 m 0.8% | 123.32 m 0.6% | 167.93 m 0.7% | 244.94 m 0.3% | 563.19 m 0.6% | |
| Flow | 100.000 l/s | | | | 100.000 l/s | |
| Velocity | 1.202 m/s | | | | 1.202 m/s | |
| Pressure (bar) | 3.349 | 3.229 / 3.229 | 3.199 / 3.100 | 2.923 / 2.923 | 2.780 / 2.780 | 2.231 |
| Chainage | 8400 | 8501 | 8624 | 8792 | 8937 | 9500 |

PI 4 [12] to PI 5 [13]
1:2000 1:100

| | | | LENGTH |
|---|---|---|---|
| | 82043.583 | 3116906.231 | 100.651 |
| | 82081.648 | 3116999.403 | 123.317 |
| | 82128.285 | 3117113.558 | 167.930 |
| PI 5 [13] | 82191.794 | 3117269.011 | 244.937 |
| | 82274.361 | 3117499.611 | 563.186 |
| | 82464.207 | 3118029.825 | |

LEGEND

- EXISTING 200MM ASBESTOS CEMENT PIPELINE
- NEW 400MM HDPE PE 100 x PN 16 PIPE
- EXISTING 400MM PVC PUMPLINE

**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 8 OF 10
1:2500

| Date: | Scale: |
|---|---|
| JUNE 2026 | AS SHOWN |


PULE RAMASIMONG DEVELOPMENT CONSULTANTS

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| | | | |
|---|---|---|---|
| Designed By: | | PR | |
| Drawn By: | | SM | |
| Checked By: | | PR | |

PRDC-26-07-09-P1-PL8
Drawing No.

Contract No. PRDC-26-07

# PIPE 1 LAYOUT AND LONGSECTION
# SHEET 8 OF 10
# 1:2250

For Tender Purpose Only