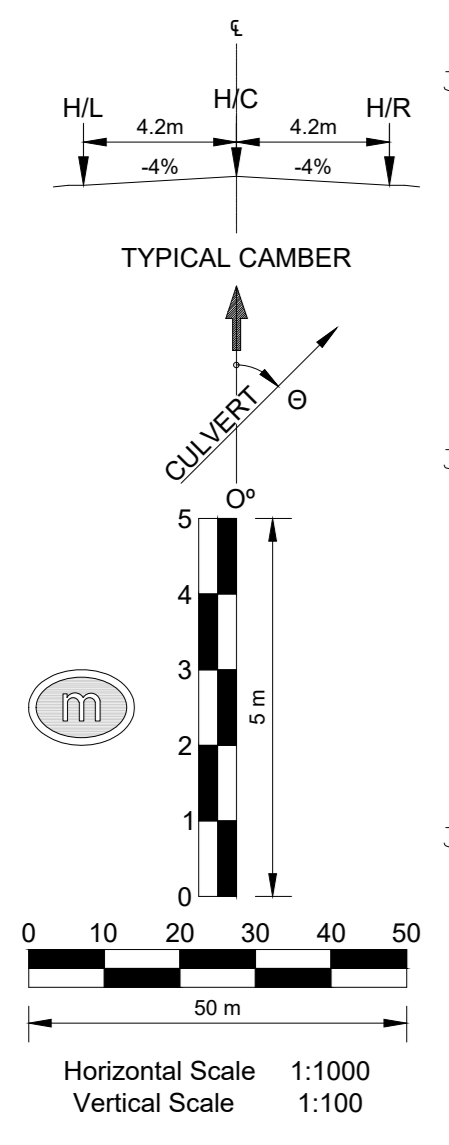
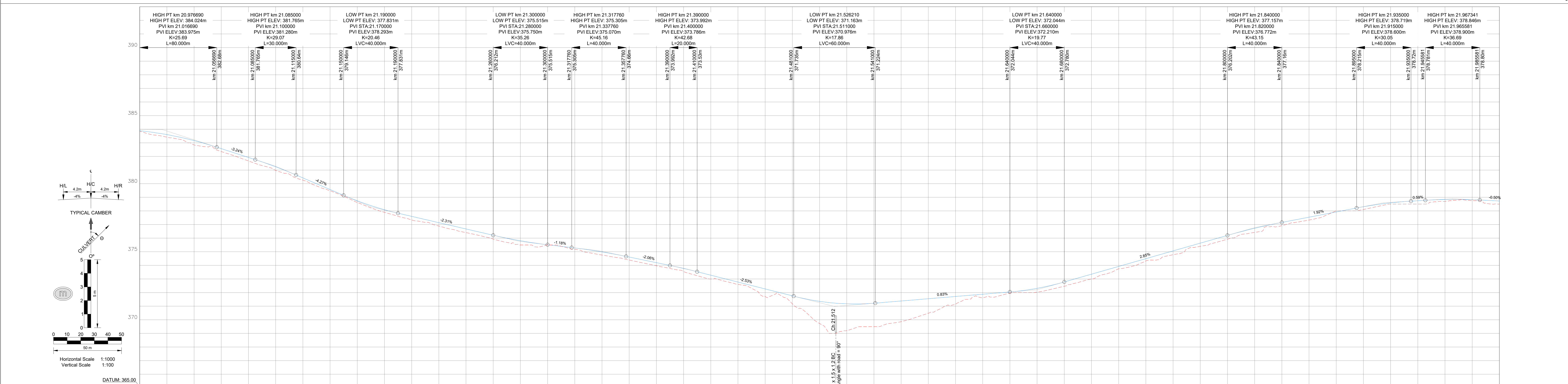


| STORMWATER SETTING OUT DATA | | |
|-----------------------------|---------------|---------------|
| NODE | Y-COORDINATES | X-COORDINATES |
| C45 - LEFT | -11431.526 | 2563265.063 |
| C45 - RIGHT | -11434.991 | 2563275.482 |



| VERTICAL CURVES | VCL=80m K=25.7 | VCL=30m K=29.1 | VCL=40m K=20.5 | VCL=40m K=35.3 | VCL=40m K=45.2 | VCL=20m K=42.7 | VCL=40m K=17.9 | VCL=40m K=19.8 | VCL=40m K=43.1 | VCL=40m K=36.7 | VCL=40m K=36.7 | |
|-----------------------------|--|-------------------|--------------------------------|-------------------|---------------------------------|-------------------|--------------------------------|-------------------|---------------------------------|-------------------|----------------------------------|--|
| LEFT EDGE (4.2m) | 383.119 | 383.890 | 383.432 | 383.650 | 383.197 | 382.922 | 382.648 | 382.191 | 381.924 | 381.467 | 381.201 | |
| DESIGN CENTRE LINE LEVELS | 383.119 | 383.432 | 383.650 | 383.868 | 384.086 | 384.304 | 384.522 | 384.740 | 384.958 | 385.176 | 385.394 | |
| RIGHT EDGE (4.2m) | 383.119 | 383.432 | 383.650 | 383.868 | 384.086 | 384.304 | 384.522 | 384.740 | 384.958 | 385.176 | 385.394 | |
| GROUND LEVELS AT GRADE LINE | 383.052 | 383.119 | 383.186 | 383.253 | 383.320 | 383.387 | 383.454 | 383.521 | 383.588 | 383.655 | 383.722 | |
| CHAINAGE (m) | 21000 | 21020 | 21040 | 21060 | 21080 | 21100 | 21120 | 21140 | 21160 | 21180 | 21200 | |
| HORIZONTAL ALIGNMENT | R=200.00m L=19.74m 20964m | | STRAIGHT L=80.00m 21004m | | R=150.00m L=46.62m 21073m | | STRAIGHT L=76.06m 21103m | | R=75.00m L=17.833m 21026m | | STRAIGHT L=117.315m 21303m | |
| SUPER ELEVATION | BOTH SIDES CH 20.980 TO 21.300 | | | | | | | | | | | |
| GUARDRAILS | LEFT CH 21.300 TO 21.580 | | | | | | | | | | | |
| SIDE DRAINS | BOTH SIDES CH 21.580 TO 21.980 | | | | | | | | | | | |
| CULVERTS | C45 KM 21.512 3 x 1500 x 1200 BC 90° | | | | | | | | | | | |

TECHNICAL SERVICES DEPARTMENT
KRUGER NATIONAL PARK
DRAWING OFFICE (DNP)
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CHECKED BY: C.J. SMIT
DRAWN BY: J. VAN DYK
CHECKED BY: C.J. SMIT

APPROVED BY

SEN. MAN. CIVIL & BUILDING
SEN. MAN. ELECTRO & MECHANICAL
SEN. MAN. ROADS & MAINTENANCE
MAN. PLANNING & DESIGN
CLIENT

SERVICE: ROADS
PROJECT: SHANGONI ROAD PH 1
TITLE: ROADS - LONGSECTION: CH-21+000 TO CH-22+000

DATE: APRIL 2024
SCALE: 1:1000
CAD FILE NAME: EN3587R/3/01-038.dwg
PAPER SIZE: A0

CONSULTANT DWG. NO: EN3587/R/3/023
CLIENT DWG. NO: P09/R/3/023