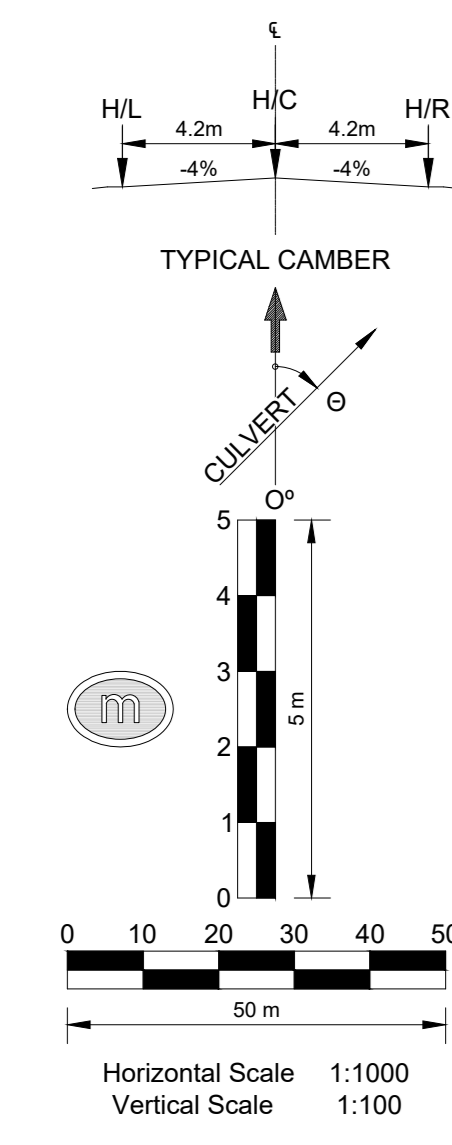
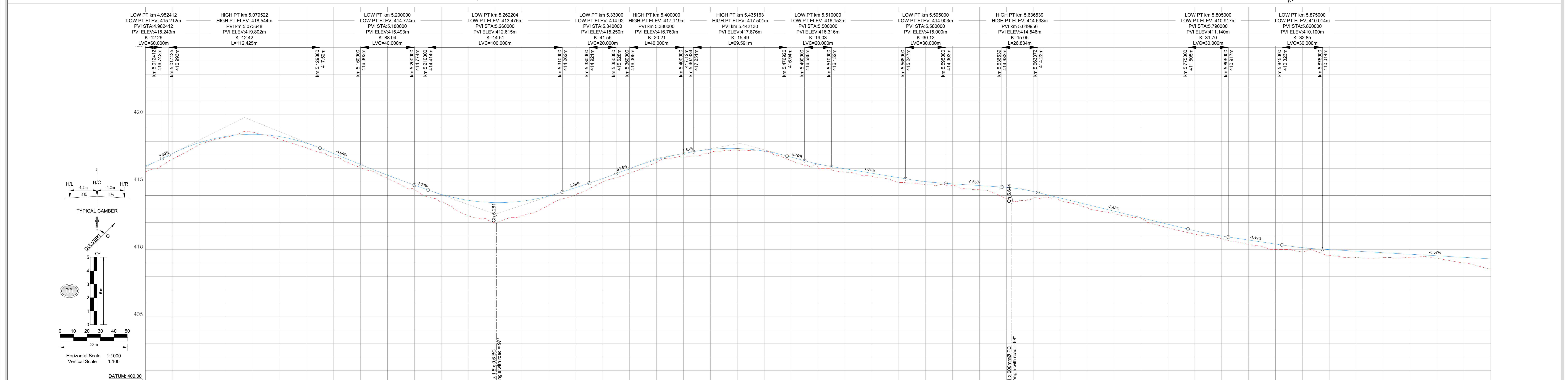


NO	Y-COORDINATES	X-COORDINATES
C11 - LEFT	3911.954	2563178.923
C11 - RIGHT	3917.34	2563187.062
C12 - LEFT	3587.14	2563363.486
C12 - RIGHT	3592.152	2563373.256
C13 - LEFT	3248.487	2563480.868
C13 - RIGHT	3248.631	2563491.667
C14 - LEFT	2955.337	2563596.988
C14 - RIGHT	2948.942	2563604.389
C15 - LEFT	2925.62	2563574.979
C15 - RIGHT	2919.245	2563582.377



VERTICAL CURVES	LEFT EDGE (4.2m)	DESIGN CENTRE LINE LEVELS	RIGHT EDGE (4.2m)	GROUND LEVELS AT GRADE LINE	CHAINAGE (m)	HORIZONTAL ALIGNMENT	SUPER ELEVATION	GUARDRAILS	SIDE DRAINS	CULVERTS
VCL=60 m K=12.3	415.021	415.021	415.021	415.021	4880	STRAIGHT L=78.509m			LEFT CH 4.250 TO 5.090	
VCL=112 m K=12.4	416.847	416.847	416.847	416.847	5000	STRAIGHT L=105.74m			BOTH SIDES CH 5.090 TO 5.285	
VCL=40 m K=8.0	418.135	418.135	418.135	418.135	5160m	STRAIGHT L=37.85m				C12 KM 5.261 1 x 1500 x 600 BC
VCL=100 m K=14.5	419.504	419.504	419.504	419.504	5304m	STRAIGHT L=151.572m				
VCL=70 m K=10.5	420.873	420.873	420.873	420.873	5471m	STRAIGHT L=115.654m				
VCL=30 m K=3.1	422.242	422.242	422.242	422.242	5693m	STRAIGHT L=104.931m			LEFT CH 5.285 TO 6.600	C13 KM 5.644 1 x 600mmØ PC
VCL=27 m K=15.0	423.611	423.611	423.611	423.611	6000	STRAIGHT L=23.96m				

TECHNICAL SERVICES DEPARTMENT  
KRUGER NATIONAL PARK  
DRAWING OFFICE (KNP)  
Tel: (013) 735 3448

DESIGNED BY: A.J. NEL  
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

SERVICE: **ROADS**  
PROJECT: **SHANGONI ROAD PH 1**  
TITLE: **ROADS - LONGSECTION: CH-5+000 TO CH-6+000**

DATE: **APRIL 2024**  
SCALE: **1:1000**  
CAD FILE NAME: **EN3587R3001-036.dwg**  
PAPER SIZE: **A0**

CONSULTANT DWG. NO.: **EN/3587/R/3/007**  
CLIENT DWG. NO.: **P09/R/3/007**

FOR TENDER PURPOSES