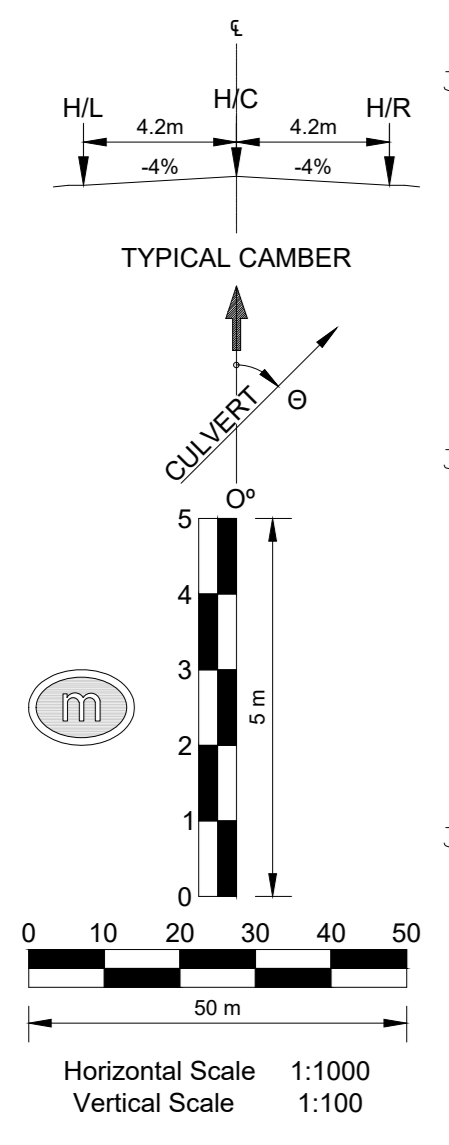
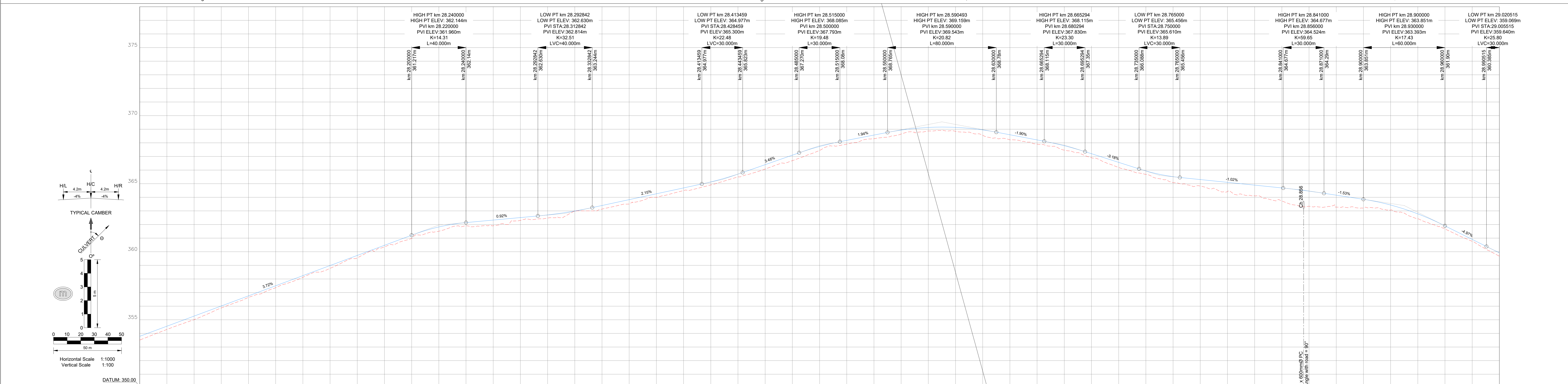


STORMWATER SETTING OUT DATA		
NODE	Y-COORDINATES	X-COORDINATES
C60 - LEFT	-17594.207	256321.096
C60 - RIGHT	-17588.779	256329.494



VERTICAL CURVES	3.72%	VCL=40 m K=14.3	0.92%	VCL=40 m K=32.5	2.15%	VCL=30 m K=19.5	3.48%	VCL=30 m K=19.5	1.94%	VCL=80 m K=20.8	-1.90%	VCL=30 m K=23.3	-3.18%	VCL=30 m K=13.9	-1.02%	VCL=30 m K=59.6	-1.53%	VCL=60 m K=17.4	-4.97%	VCL=30 m K=25.8								
LEFT EDGE (4.2m)	353.510	353.618	353.726	353.834	353.942	354.050	354.158	354.266	354.374	354.482	354.590	354.698	354.806	354.914	355.022	355.130	355.238	355.346	355.454	355.562								
DESIGN CENTRE LINE LEVELS	354.299	354.351	354.403	354.455	354.507	354.559	354.611	354.663	354.715	354.767	354.819	354.871	354.923	354.975	355.027	355.079	355.131	355.183	355.235	355.287								
RIGHT EDGE (4.2m)	355.011	355.044	355.077	355.110	355.143	355.176	355.209	355.242	355.275	355.308	355.341	355.374	355.407	355.440	355.473	355.506	355.539	355.572	355.605	355.638								
GROUND LEVELS AT GRADE LINE	353.510	353.618	353.726	353.834	353.942	354.050	354.158	354.266	354.374	354.482	354.590	354.698	354.806	354.914	355.022	355.130	355.238	355.346	355.454	355.562								
CHAINAGE (m)	27900	28000	28100	28200	28300	28400	28500	28600	28700	28800	28900	29000	29100	29200	29300	29400	29500	29600	29700	29800								
HORIZONTAL ALIGNMENT	STRAIGHT L=49.85m 312° 50' 21"		R=190.00m L=59.43m		STRAIGHT L=59.00m 330° 45' 34"		R=700.00m L=7.75m		STRAIGHT L=20.27m 300° 16' 11"		R=65.00m L=60.83m		STRAIGHT L=49.85m 331° 46' 00"		R=250.00m L=22.64m		STRAIGHT L=47.37m 338° 34' 43"		R=290.00m L=86.56m		STRAIGHT L=47.37m 321° 08' 37"		R=270.00m L=87.65m		STRAIGHT L=78.853m 300° 52' 30"		R=235.00m L=133.60m	
SUPER ELEVATION																												
GUARDRAILS																												
SIDE DRAINS	LEFT CH 27.740 TO 28.180						NO SIDE DRAIN CH 28.180 TO 28.300						BOTH SIDES CH 28.300 TO 28.440						LEFT CH 28.440 TO 28.000									
CULVERTS	C60 KM 28.856 1 x 600mm PC																											

TECHNICAL SERVICES DEPARTMENT  
KRUGER NATIONAL PARK  
DRAWING OFFICE (DNP)  
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-28+000 TO CH-29+000

DATE: APRIL 2024  
SCALE: 1:1000  
CAD FILE NAME: EN3587R/3/030.dwg  
PAPER SIZE: A0  
CONSULTANT DWG. NO: EN3587R/3/030  
CLIENT DWG. NO: P09/R/3/030