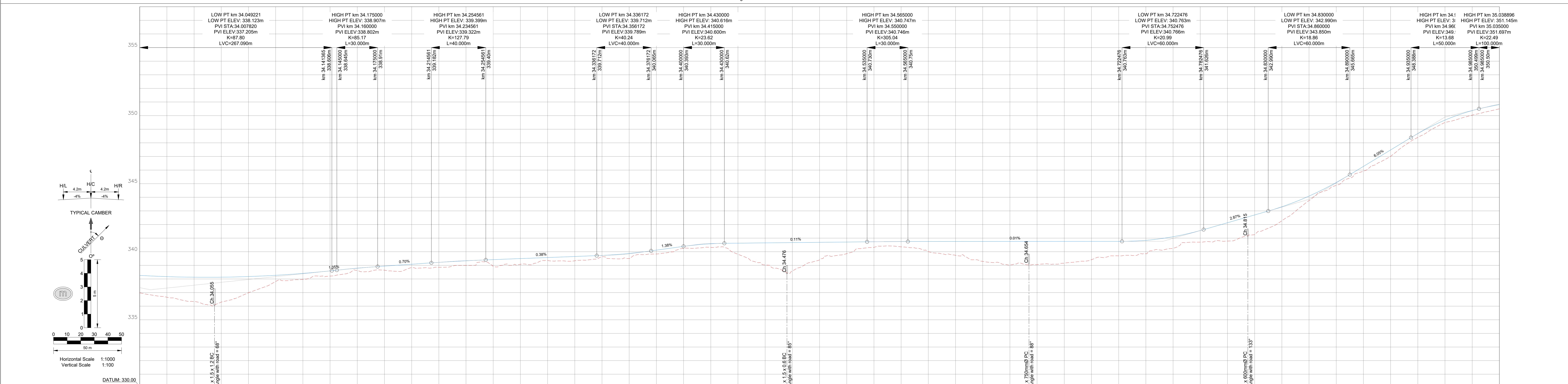
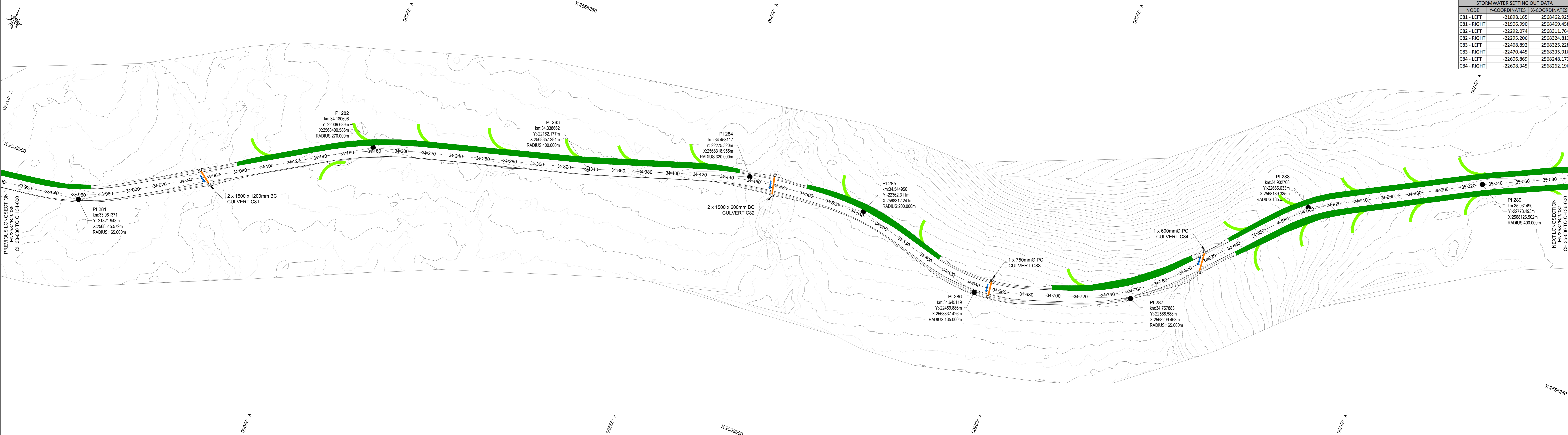


STORMWATER SETTING OUT DATA		
NODE	Y-COORDINATES	X-COORDINATES
C81 - LEFT	-21898.145	2568462.925
C81 - RIGHT	-21906.990	2568469.458
C82 - LEFT	-22292.074	2568311.764
C82 - RIGHT	-22295.206	2568324.813
C83 - LEFT	-22468.892	2568325.228
C83 - RIGHT	-22470.445	2568331.916
C84 - LEFT	-22606.869	2568248.173
C84 - RIGHT	-22608.345	2568262.196



VERTICAL CURVES	VCL=267 m K=87.8	VCL=100 m K=85.2	VCL=40 m K=127.8	VCL=40 m K=40.2	VCL=30 m K=23.6	VCL=90 m K=305.0	VCL=60 m K=21.0	VCL=60 m K=18.9	VCL=50 m K=13.7	VCL=100 m K=22.5			
LEFT EDGE (4.2m)	338.097	338.261	338.097	338.097	338.097	338.097	338.097	338.097	338.097	338.097			
DESIGN CENTRE LINE LEVELS	338.097	338.097	338.097	338.097	338.097	338.097	338.097	338.097	338.097	338.097			
RIGHT EDGE (4.2m)	338.097	338.097	338.097	338.097	338.097	338.097	338.097	338.097	338.097	338.097			
GROUND LEVELS AT GRADE LINE	338.097	338.097	338.097	338.097	338.097	338.097	338.097	338.097	338.097	338.097			
CHAINAGE (m)	33920	34020	34120	34220	34320	34420	34520	34620	34720	34820			
HORIZONTAL ALIGNMENT	STRAIGHT L=140.223m 258° 50' 46"	R=270.00m L=73.67m	STRAIGHT L=111.458m 258° 50' 46"	R=400.00m L=19.98m	STRAIGHT L=69.321m 251° 17' 40"	R=320.00m L=79.88m	STRAIGHT L=13.808m 284° 28' 21"	R=200.00m L=65.92m	STRAIGHT L=28.094m 250° 44' 50"	R=185.00m L=84.56m	STRAIGHT L=40.351m 221° 02' 12"	R=135.00m L=45.96m	STRAIGHT L=94.228m 246° 03' 37"
SUPER ELEVATION													
GUARDRAILS													
SIDE DRAINS													
CULVERTS	C81 KM 34.055 2 x 1500 x 1200 BC					C82 KM 34.476 2 x 1500 x 600 BC				C83 KM 34.654 1 x 750mmØ PC			C84 KM 34.815 1 x 600mmØ 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: [Signature]

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-34+000 TO CH-35+000

DATE: APRIL 2024  
SCALE: 1:1000  
CAD FILE NAME: EN3587R/3/036.dwg  
PAPER SIZE: A0

CONSULTANT DWG. NO.: EN/3587/R/3/036  
CLIENT DWG. NO.: P09/R/3/036