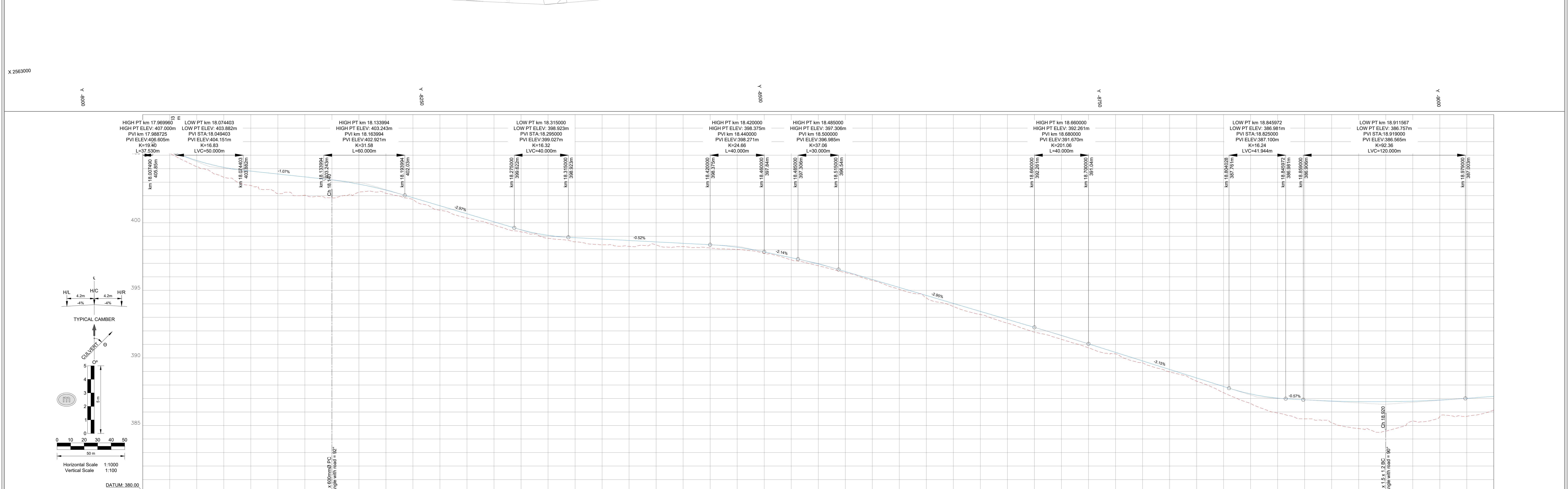
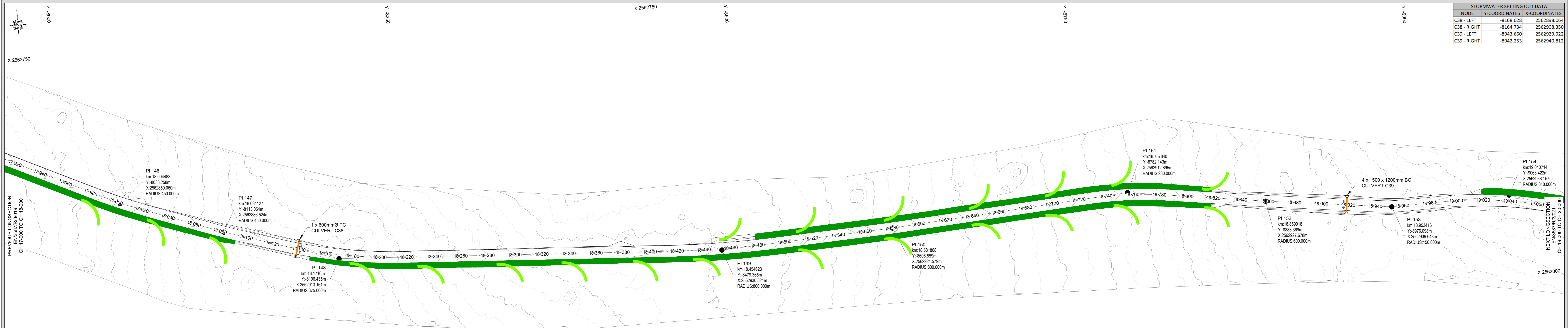


STORMWATER SETTING OUT DATA		
NODE	Y-COORDINATES	X-COORDINATES
C38 - LEFT	-8168.028	2562898.064
C38 - RIGHT	-8164.734	2562908.350
C39 - LEFT	-8943.660	2562929.922
C39 - RIGHT	-8942.253	2562940.812



VERTICAL CURVES	VCL=38 m K=19.4	VCL=50 m K=16.6	-1.87%	VCL=60 m K=31.6	-2.97%	VCL=40 m K=16.3	-0.52%	VCL=40 m K=24.7	VCL=30 m K=37.1	-2.14%	VCL=40 m K=20.1	-2.95%	VCL=42 m K=92.4	-0.57%	VCL=120 m K=92.4	0.73%	
LEFT EDGE (4.2m)	405.864	405.864	405.864	405.864	405.864	405.864	405.864	405.864	405.864	405.864	405.864	405.864	405.864	405.864	405.864	405.864	
DESIGN CENTRE LINE LEVELS	405.864	405.864	405.864	405.864	405.864	405.864	405.864	405.864	405.864	405.864	405.864	405.864	405.864	405.864	405.864	405.864	
RIGHT EDGE (4.2m)	405.864	405.864	405.864	405.864	405.864	405.864	405.864	405.864	405.864	405.864	405.864	405.864	405.864	405.864	405.864	405.864	
GROUND LEVELS AT GRADE LEVEL	405.864	405.864	405.864	405.864	405.864	405.864	405.864	405.864	405.864	405.864	405.864	405.864	405.864	405.864	405.864	405.864	
CHAINAGE (m)	18000	18000	18000	18000	18000	18000	18000	18000	18000	18000	18000	18000	18000	18000	18000	18000	
HORIZONTAL ALIGNMENT	R=450.00m L=43.70m	STRAIGHT L=48.206m 297' 09" 40"	R=450.00m L=19.21m	STRAIGHT L=31.056m 297' 43" 00"	R=375.00m L=63.24m	18218m	STRAIGHT L=194.262m 232' 28" 11"	R=800.00m L=84.58m	18497m	STRAIGHT L=76.671m 251' 24" 50"	18573m	R=800.00m L=17.05m	18590m	STRAIGHT L=137.732m 266' 11" 24"	18728m	R=280.00m L=59.21m	18787m
SUPER ELEVATION																	
GUARDRAILS																	
SIDE DRAINS																	
CULVERTS																	

**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  
CLIENT

SERVICE: **ROADS**  
PROJECT: **SHANGONI ROAD PH 1**  
TITLE: **ROADS - LONGSECTION: CH-18.000 TO CH-19.000**

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

CONSULTANT DWG. NO.: **EN/3587/R/3/020**  
CLIENT DWG. NO.: **P09/R/3/020**

(REF FOLDER: X:02 PROJECTS\3000\3500 - 3599\N3587EN - SHANGONI ROAD KNP1 DESIGN PHASE F DRAWINGS\TENDER\ROADS\EN3587R3001-036.DWG)