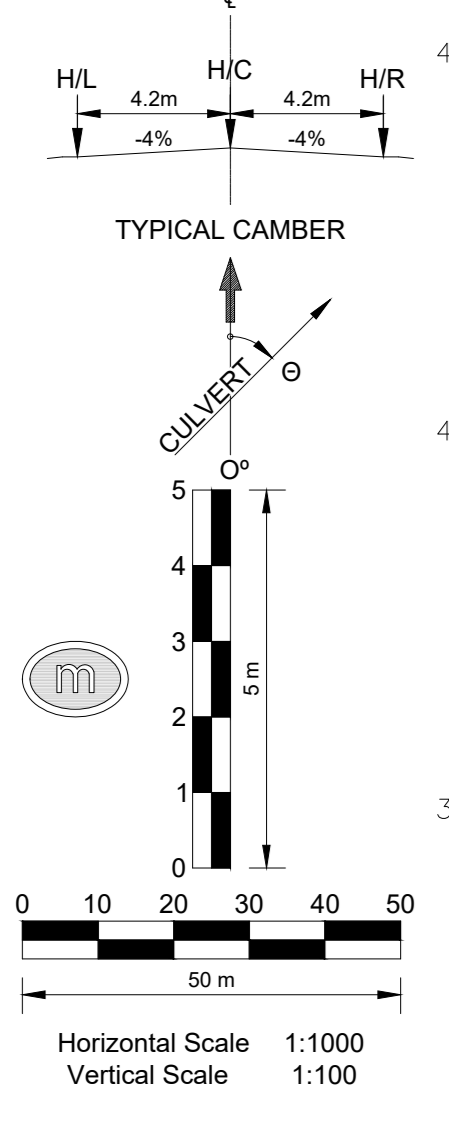
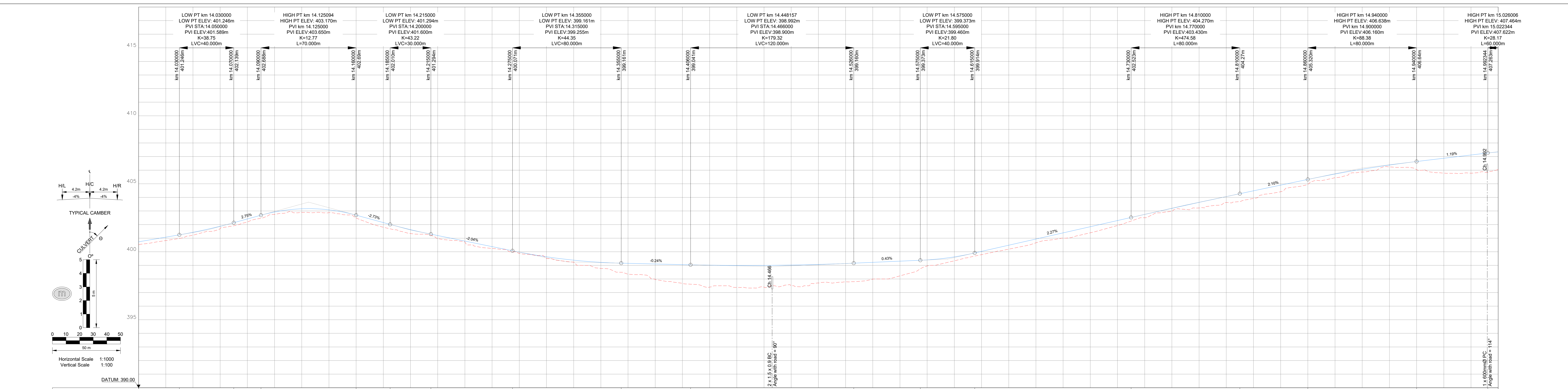
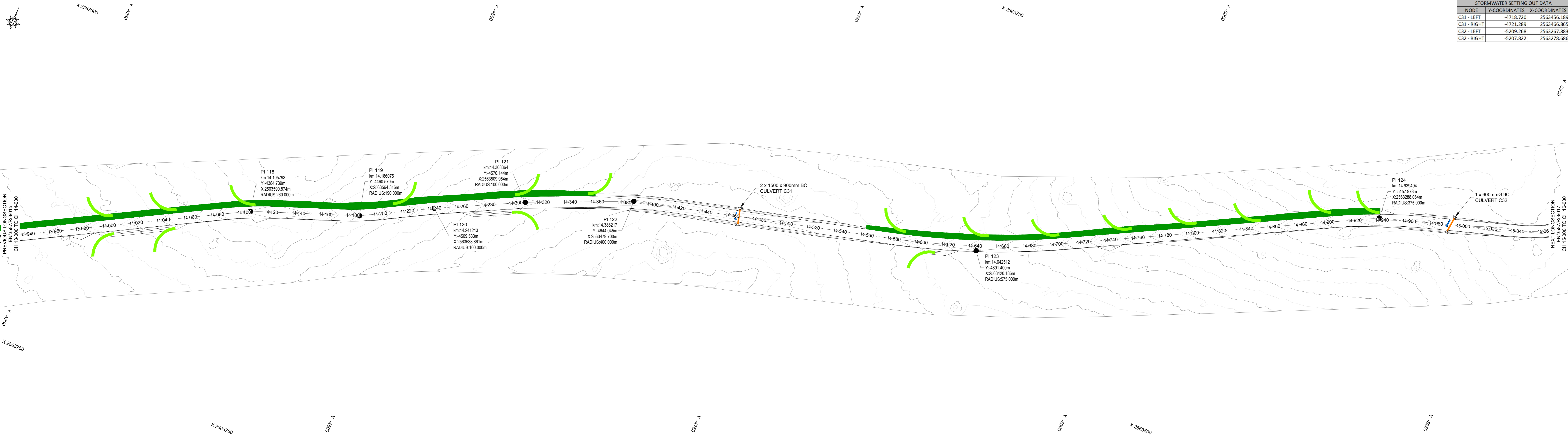


NODE	Y-COORDINATES	X-COORDINATES
C31 - LEFT	-4718.720	2563456.189
C31 - RIGHT	-4721.289	2563466.865
C32 - LEFT	-5209.268	2563267.883
C32 - RIGHT	-5207.822	2563278.686



VERTICAL CURVES	1.72%	VCL=40 m K=38.8	2.75%	VCL=70 m K=12.8	-2.73%	VCL=30 m K=43.2	-2.04%	VCL=80 m K=44.3	-0.24%	VCL=120 m K=179.3	0.43%	VCL=40 m K=21.8	2.27%	VCL=80 m K=474.6	2.10%	VCL=80 m K=88.4	1.19%	VCL=60 m K=28.2	
LEFT EDGE (4.2m)	400.893	400.893	401.292	402.345	402.895	401.893	400.893	399.893	398.893	397.893	396.893	395.893	394.893	393.893	392.893	391.893	390.893	389.893	
DESIGN CENTRE LINE LEVELS	400.893	401.074	401.292	402.015	402.895	403.893	404.893	405.893	406.893	407.893	408.893	409.893	410.893	411.893	412.893	413.893	414.893	415.893	
RIGHT EDGE (4.2m)	400.893	400.906	401.292	402.345	402.895	401.893	400.893	399.893	398.893	397.893	396.893	395.893	394.893	393.893	392.893	391.893	390.893	389.893	
GROUND LEVELS AT GRADE LINE	400.815	400.814	401.292	402.345	402.895	401.893	400.893	399.893	398.893	397.893	396.893	395.893	394.893	393.893	392.893	391.893	390.893	389.893	
CHAINAGE (m)	14000	14000	14000	14000	14000	14000	14000	14000	14000	14000	14000	14000	14000	14000	14000	14000	14000	14000	
HORIZONTAL ALIGNMENT	STRAIGHT L=203.025m 247.20 01'		R=260.00m L=37.58m		STRAIGHT L=147.955m 207.41 97'		R=190.00m L=27.09m		STRAIGHT R=100.00m L=3.44m		STRAIGHT L=339.884m L=5.84m		R=575.00m L=128.81m		STRAIGHT L=199.801m 283.38 10'		R=375.00m L=65.92m		STRAIGHT L=149.73m
SUPER ELEVATION	NO SIDE DRAIN																		
GUARDRAILS	NO SIDE DRAIN																		
SIDE DRAINS	NO SIDE DRAIN																		
CULVERTS	C31 KM 14.466 2 x 1500 x 900 BC C32 KM 14.992 1 x 600mm BC																		

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-14+000 TO CH-15+000

DATE: APRIL 2024
SCALE: 1:1000
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CLIENT DWG. NO: P09/R/3/016