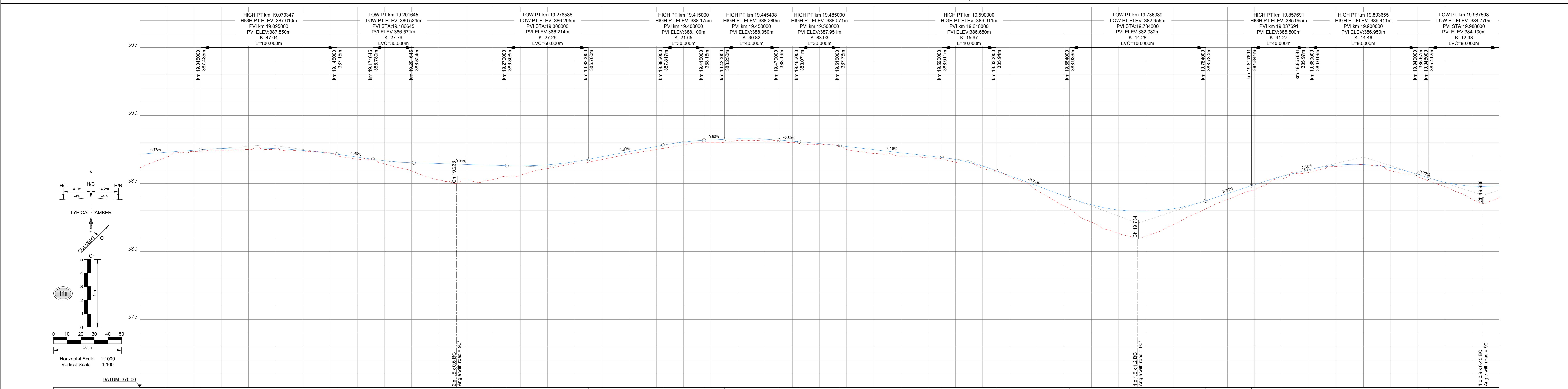
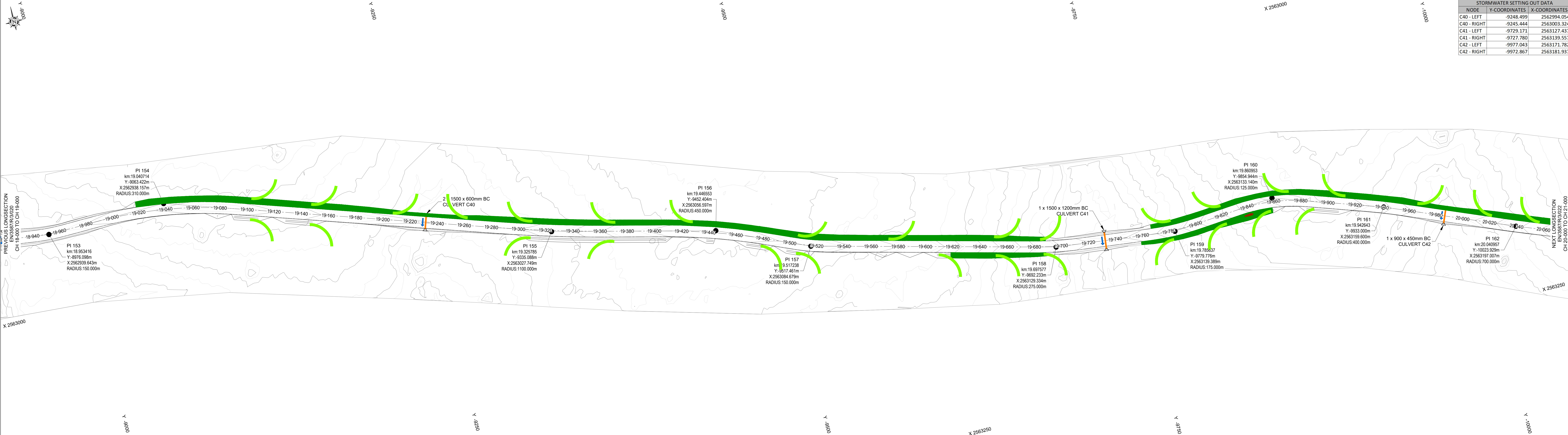


NODE	Y-COORDINATES	X-COORDINATES
C40 - LEFT	-9248.444	2562994.054
C40 - RIGHT	-9245.444	2563003.324
C41 - LEFT	-9729.171	2563127.437
C41 - RIGHT	-9727.780	2563139.557
C42 - LEFT	-9977.043	2563171.782
C42 - RIGHT	-9972.867	2563181.937



VERTICAL CURVES	0.73%	VCL=100 m K=47.0	-1.40%	VCL=30 m K=27.8	-0.31%	VCL=60 m K=27.3	1.88%	VCL=30 m K=21.6	0.50%	VCL=40 m K=30.8	-0.80%	VCL=30 m K=15.7	-1.16%	VCL=40 m K=14.3	-3.71%	VCL=100 m K=14.3	3.30%	VCL=40 m K=14.3	2.33%	VCL=80 m K=14.5	-3.20%	VCL=80 m K=12.3		
LEFT EDGE (4.2m)	386.898	387.150	387.134	387.290	387.610	387.642	387.656	387.721	387.956	387.956	387.956	387.956	387.956	387.956	387.956	387.956	387.956	387.956	387.956	387.956	387.956	387.956		
DESIGN CENTRE LINE LEVELS	387.134	387.290	387.446	387.602	387.758	387.914	388.070	388.226	388.382	388.538	388.694	388.850	389.006	389.162	389.318	389.474	389.630	389.786	389.942	390.098	390.254	390.410		
RIGHT EDGE (4.2m)	387.290	387.446	387.602	387.758	387.914	388.070	388.226	388.382	388.538	388.694	388.850	389.006	389.162	389.318	389.474	389.630	389.786	389.942	390.098	390.254	390.410	390.566		
GROUND LEVELS AT GRADE LINE	387.290	387.446	387.602	387.758	387.914	388.070	388.226	388.382	388.538	388.694	388.850	389.006	389.162	389.318	389.474	389.630	389.786	389.942	390.098	390.254	390.410	390.566		
CHAINAGE (m)	19000	19000	19000	19000	19000	19000	19000	19000	19000	19000	19000	19000	19000	19000	19000	19000	19000	19000	19000	19000	19000	20000		
HORIZONTAL ALIGNMENT	R=110.00m L=104.03m		STRAIGHT L=190.00m 287° 29' 52"		R=110.00m L=85.18m		STRAIGHT L=40.00m 297° 48' 54"		R=450.00m L=74.87m		STRAIGHT L=149.80m 284° 19' 59"		R=275.00m L=37.34m		STRAIGHT L=32.00m 278° 32' 08"		R=175.00m L=34.53m		STRAIGHT L=43.79m 269° 14' 53"		R=125.00m L=51.22m		STRAIGHT L=77.142m 292° 21' 42"	
SUPER ELEVATION	LEFT CH 19.020 TO 19.620																							
GUARDRAILS	BOTH SIDES CH 19.620 TO 19.860																							
SIDE DRAINS	LEFT CH 19.860 TO 20.980																							
CULVERTS	C40 KM 19.233 2 x 1500 x 600 BC												C41 KM 19.734 1 x 1500 x 1200 BC						C42 KM 19.988 1 x 900 x 450 BC					

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SERVICE: ROADS
PROJECT: SHANGONI ROAD PH 1
TITLE: ROADS - LONGSECTION: CH-19.000 TO CH-20.000

DATE: APRIL 2024
SCALE: 1:1000
CAD FILE NAME: EN3587R/301-038.dwg
PAPER SIZE: A0

CONSULTANT DWG. NO: EN/3587/R/3/021
CLIENT DWG. NO: P09/R/3/021