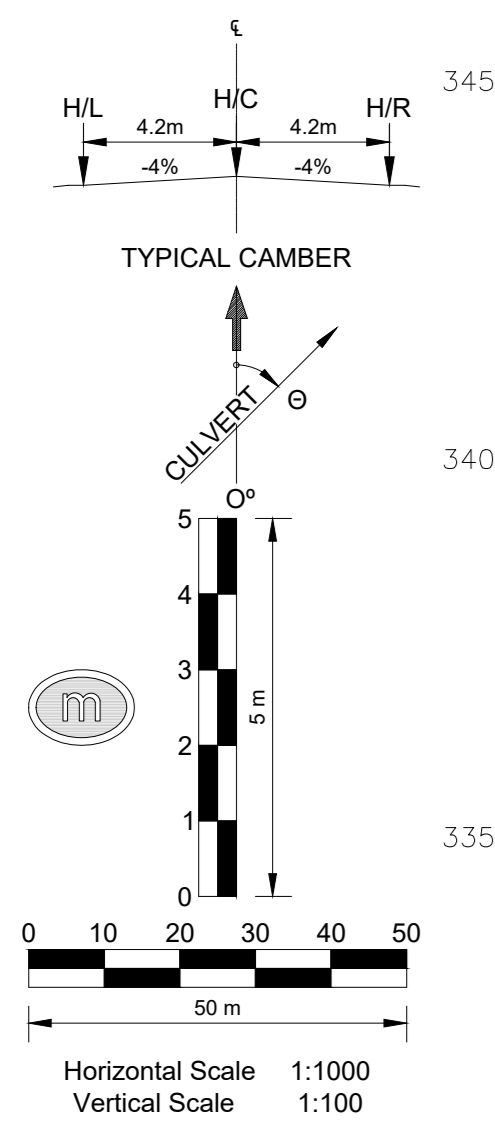
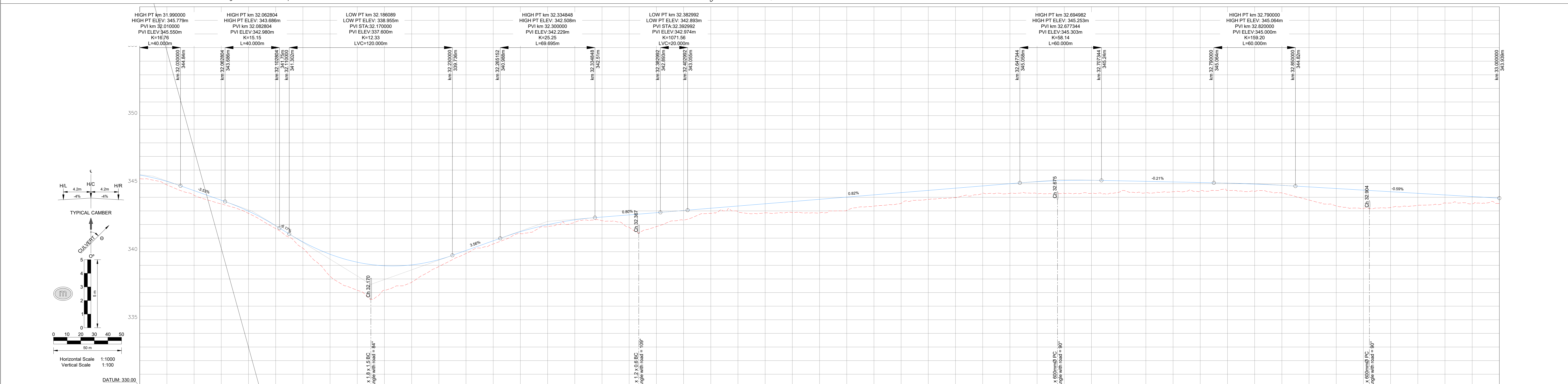
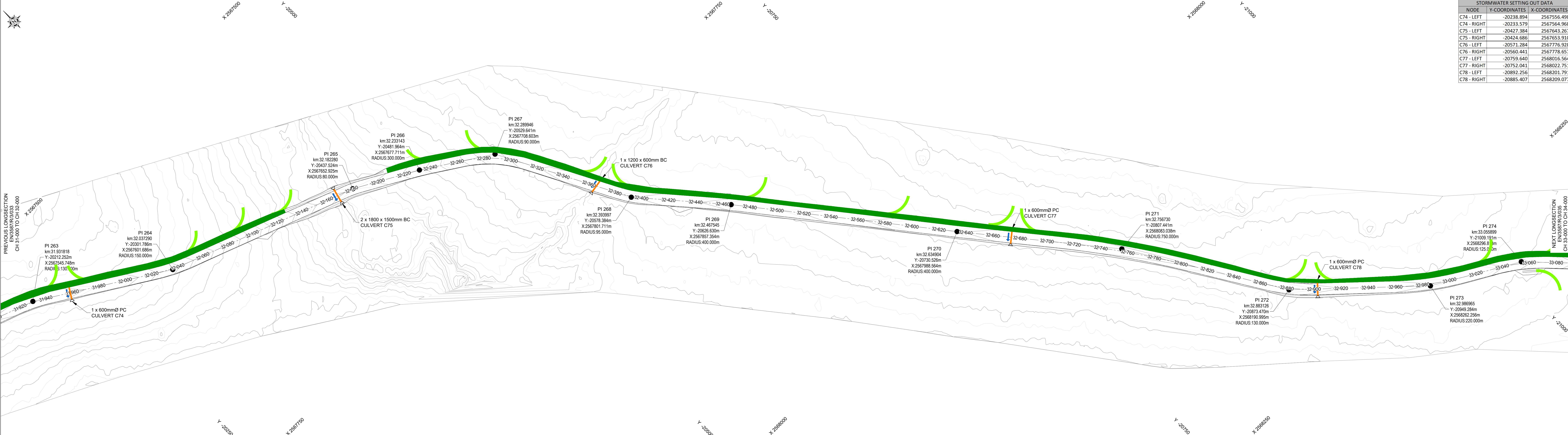


STORMWATER SETTING OUT DATA		
NODE	Y-COORDINATES	X-COORDINATES
C74 - LEFT	-20238.804	2567556.498
C74 - RIGHT	-20233.579	2567564.968
C75 - LEFT	-20427.384	2567643.267
C75 - RIGHT	-20424.686	2567653.910
C76 - LEFT	-20571.284	2567776.928
C76 - RIGHT	-20560.441	2567778.657
C77 - LEFT	-20759.640	2568016.564
C77 - RIGHT	-20752.041	2568022.751
C78 - LEFT	-20892.256	2568201.797
C78 - RIGHT	-20885.407	2568209.077



VERTICAL CURVES	VCL=40 m K=16.8	-3.63%	VCL=40 m K=15.2	1.17%	VCL=120 m K=12.3	3.56%	VCL=70 m K=25.3	0.80%	VCL=20 m K=1071.6	0.82%	VCL=60 m K=158.1	-0.21%	VCL=60 m K=159.2	-0.59%	VCL=40 m K=18.6			
LEFT EDGE (4.2m)	345.683	345.683	344.937	344.937	344.937	344.937	344.937	344.937	344.937	344.937	344.937	344.937	344.937	344.937	344.937			
DESIGN CENTRE LINE LEVELS	345.683	345.683	344.937	344.937	344.937	344.937	344.937	344.937	344.937	344.937	344.937	344.937	344.937	344.937	344.937			
RIGHT EDGE (4.2m)	345.683	345.683	344.937	344.937	344.937	344.937	344.937	344.937	344.937	344.937	344.937	344.937	344.937	344.937	344.937			
GROUND LEVELS AT GRADE LINE	345.589	345.589	344.937	344.937	344.937	344.937	344.937	344.937	344.937	344.937	344.937	344.937	344.937	344.937	344.937			
CHAINAGE (m)	32000	32020	32040	32060	32080	32100	32120	32140	32160	32180	32200	32220	32240	32260	32280			
HORIZONTAL ALIGNMENT	STRAIGHT L=177.07m S11° 59' 45"	R=150.00m L=29.62m	STRAIGHT L=124.303m 299° 46' 51"	STRAIGHT L=35.033m 59° 59' 01"	R=80.00m L=11.83m	R=300.00m L=19.85m	STRAIGHT L=32.200m 302° 59' 28"	R=60.00m L=6.22m	STRAIGHT L=776.391m 302° 22' 04"	R=95.00m L=22.04m	STRAIGHT L=83.890m 319° 04' 54"	R=400.00m L=17.83m	STRAIGHT L=155.732m 321° 13' 36"	R=750.00m L=100.79m	STRAIGHT L=68.931m 320° 59' 58"	R=130.00m L=34.76m	STRAIGHT L=481.019m 318° 13' 38"	R=230.00m L=50.86m
SUPER ELEVATION																		
GUARDRAILS																		
SIDE DRAINS																		
CULVERTS			C75 KM 32.170 2 x 1800 x 1500 BC 84°				C76 KM 32.367 1 x 1200 x 600 BC 109°						C77 KM 32.675 1 x 600mmØ PC 90°					C78 KM 32.904 1 x 600mmØ PC 90°

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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**  
FOR TENDER PURPOSES

PROJECT: **SHANGONI ROAD PH 1**

TITLE: **ROADS - LONGSECTION:  
CH-32+000 TO CH-33+000**

DATE: **APRIL 2024**  
SCALE: **1:1000**  
CAD FILE NAME: **EN3587R/3/034.dwg**  
PAPER SIZE: **A0**

CONSULTANT DWG. NO.: **EN3587R/3/034**  
CLIENT DWG. NO.: **P09/R/3/034**