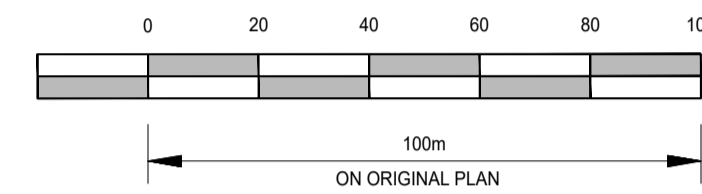
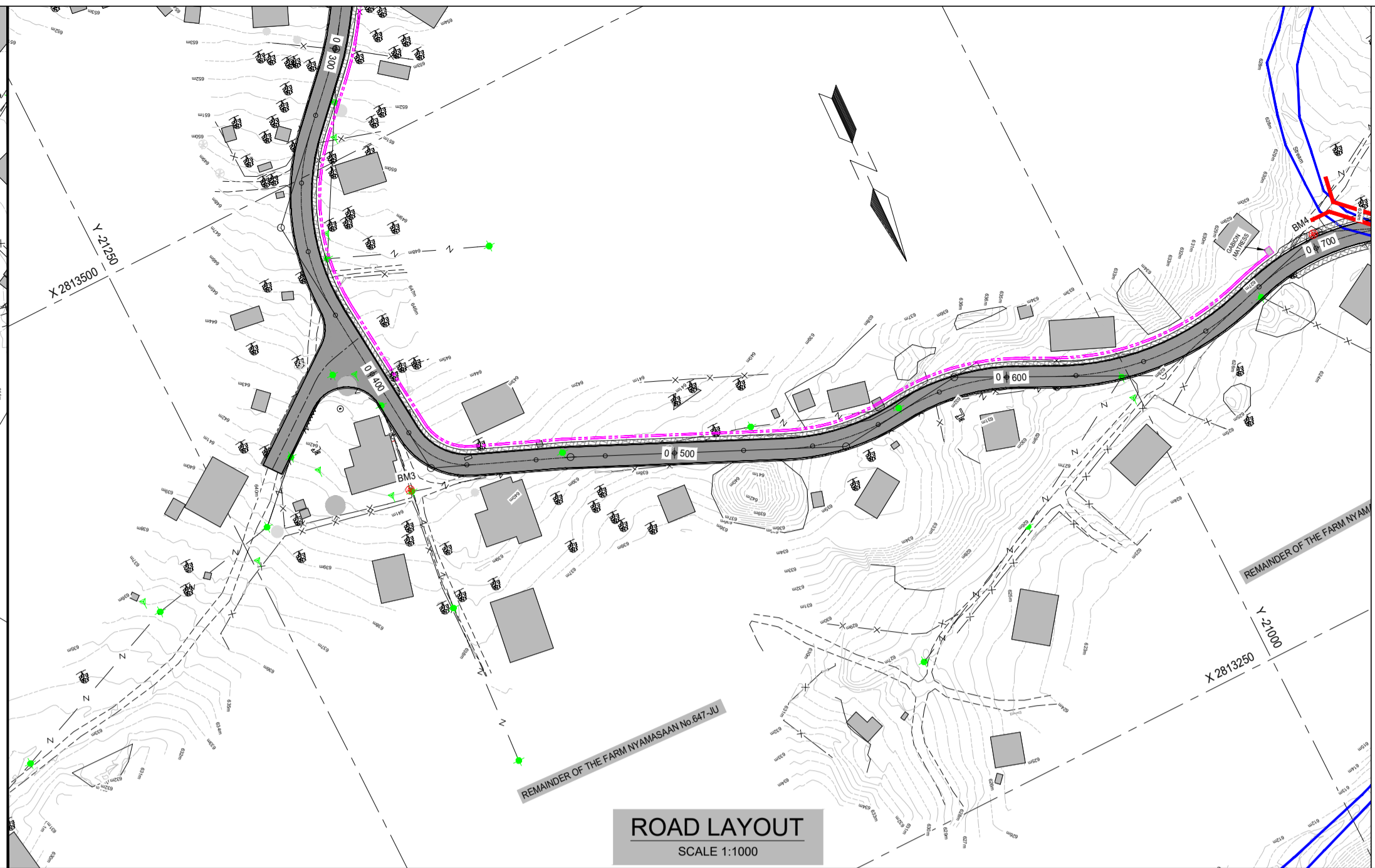


LEGEND	
CONTOUR INTERVAL = 0.5	
ROAD SURFACE	
GRAVEL ROAD	
PROPOSED STORMWATER / V-DRAIN	
FENCE	
ELECTRICAL POLE	
POLESTAY	
BENCHMARKS	
STREAM	

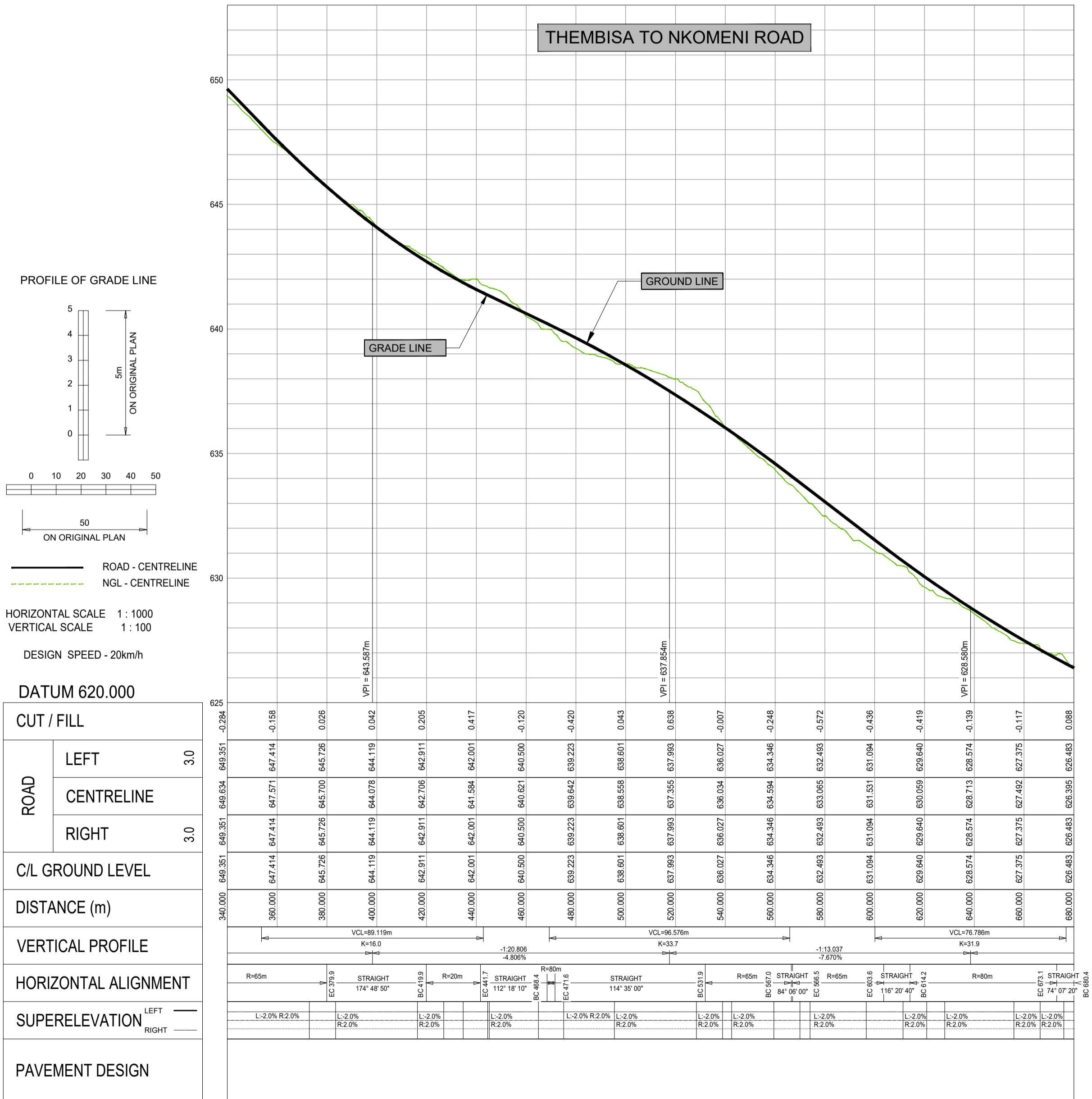
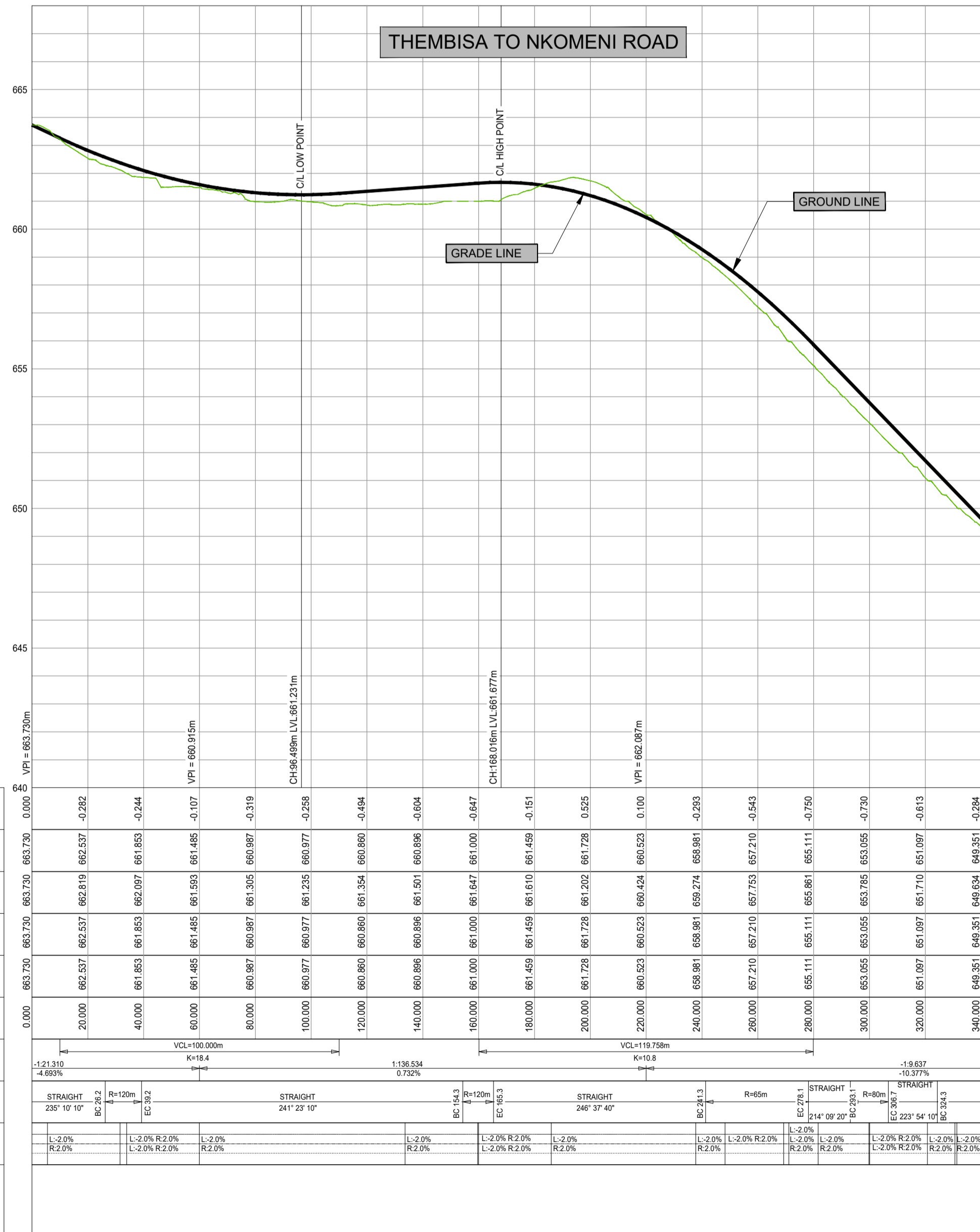


ROAD MARKINGS

BENCH MARKS ( WG SYSTEM ) WG31				
POINT		Y	X	Z
BM1		-20907.09	+2813676.98	663.34
BM2		-21074.95	+2813585.39	661.69
BM3		-21200.09	+2813405.61	641.38
BM4		-20934.10	+2813354.01	625.12
BM5		-20742.99	+2813310.90	638.25
BM6		-20905.38	+2813228.32	658.43
BM7		-20511.13	+2813042.19	670.66



NKOMENI TO THEMBSA ROAD				
NAME	CH	Y	X	DETAILS
PI	0.000	-20908.325	2813682.007	L 26.227m
BC	241.286	-21121.540	2813570.128	R 65.000m
PI	278.105	-21138.916	2813562.619	DA 32.2820°
EC		-21140.543	2813546.955	TL 18.928m
				AL 36.839m
BC	293.116	-21157.870	2813534.533	R 65.000m
PI		-21161.800	2813528.888	DA 34.4530°
EC	306.725	-21166.530	2813523.974	TL 6.821m
				AL 13.905m
BC	324.258	-21178.688	2813511.340	R 65.000m
PI		-21189.270	2813489.954	DA 49°05'10"
EC	379.946	-21196.587	2813460.393	TL 12.135m
				AL 55.687m
BC	419.870	-21192.879	2813420.632	R 20.000m
PI	441.691	-21191.882	2813408.543	DA 62°30'40"
EC		-21190.651	2813403.936	TL 12.135m
				AL 21.821m
BC	531.915	-21098.156	2813387.437	R 65.000m
PI		-21092.051	2813380.070	DA 37°25'50"
EC	566.494	-21094.436	2813381.890	TL 17.759m
				AL 34.475m
BC	567.041	-21093.891	2813381.866	R 65.000m
PI		-21093.891	2813381.877	DA 37°14'40"
EC	603.620	-21028.366	2813355.539	TL 18.788m
				AL 35.579m
BC	614.196	-21018.889	2813350.846	R 65.000m
PI		-20991.210	2813337.140	DA 42°13'20"
EC	673.148	-20991.502	2813345.969	TL 30.860m
				AL 58.852m
BC	680.429	-20964.498	2813347.581	R 65.000m
PI		-20952.425	2813333.896	DA 38°52'30"
EC	724.532	-20911.321	2813344.694	TL 22.938m
				AL 44.150m



A	FEB. 2020	DESIGN DEVELOPMENT		
00	FEB. 2023	TENDER		
No	DATE	REVISION	CONSULT	DIR

CITY OF MBOMBELA	
P. O. BOX 45 NELSPRUIT 1200	1 NEL STREET NELSPRUIT 1200
Tel.: (013) 759 9111	Fax.: (013) 759 2070

DESIGNED BY	T. MAGAGULA Pr Tech Eng.
DRAWN BY	L.N MHLANGA
CHECKED BY	R. MAMUREMI Pr Tech Eng.
APPROVED BY	R. MAMUREMI Pr Tech Eng.

CONSULTANT	SHUMA AFRICA PROJECTS (PTY) LTD
UNIT 75, BUILDING 11, SONPARK SHOPPING CENTRE, CNR. MADIBA DRIVE AND PIET RETIEF STREET NELSPRUIT	
Tel.: (013) 752 3658	

SHUMA AFRICA PROJECTS	P O BOX 1644 NELSPRUIT 1200
	Fax.: (086) 545 7391

APPROVED	
MBOMBELA	DATE
CONSULTING ENGINEER	DATE

CONTRACT NUMBER : REG 55/2019
NKOMENI TO THEMBSA ROAD
ROAD LAYOUT AND LONGITUDINAL SECTION

DESIGN PLAN (Full signature)	SCALE AS - SHOWN
For: MCM	REVISION No. 00
For: Consulting Engineer	SHEET 1 of 2
CONSULTANTS DRAWING NUMBER SH-920-20-01-LS	DATE JANUARY 2023

ISSUED FOR TENDER