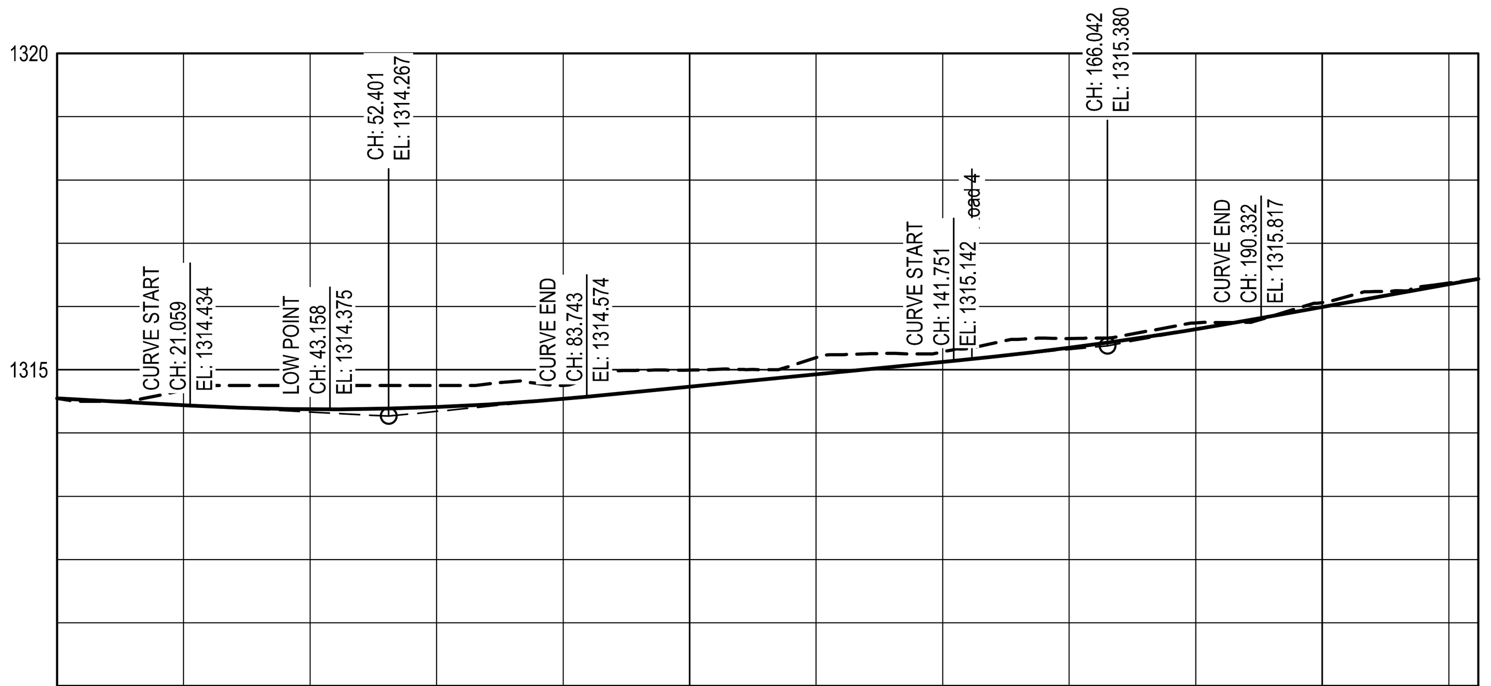
LONGSECTION ALIGNMENT SAMBUTI
FROM 0.000 TO 224.661



NGL - - - - -
ROAD ———

SCALES:
Horizontal 1:1000
Vertical 1:100

DATUM 1310.000

VERTICAL PROFILE GRADES

BVC 21.059 — VCL=62.683m, K=41 — EVC 83.743 — BVC 141.751 — VCL=48.580m, K=59 — EVC 190.332

-0.533% — 52.401 | 1314.267 — 0.979% — 166.042 | 1315.380 — 1.799%

		0	20	21	40	52	60	80	84	100	120	140	142	160	166	180	190	200	220	225
FINAL DESIGN ROAD LEVELS	LEFT EDGE (HL)		1314.515	1314.509	1314.452	1314.461	1314.485	1314.614	1314.649	1314.808	1315.004	1315.200	1315.217	1315.424	1315.505	1315.715	1315.892	1316.066	1316.425	
	CENTRE LINE (CL)	1314.547	1314.440	1314.434	1314.377	1314.386	1314.410	1314.539	1314.574	1314.733	1314.929	1315.125	1315.142	1315.349	1315.430	1315.640	1315.817	1315.991	1316.350	1316.434
	RIGHT EDGE (HR)		1314.365	1314.359	1314.302	1314.311	1314.335	1314.464	1314.499	1314.658	1314.854	1315.050	1315.067	1315.274	1315.355	1315.565	1315.742	1315.916	1316.275	
GROUND LEVELS ON CL		1314.547	1314.677	1314.698	1314.750	1314.750	1314.750	1314.750	1314.857	1314.996	1315.191	1315.283	1315.320	1315.494	1315.500	1315.739	1315.797	1316.060	1316.370	1316.434
SUPERELEVATION (LEFT · · · · · · ·, RIGHT — —)																				
HORIZONTAL ALIGNMENT		DIRECTION 155°17'40"																		
DISTANCE (m)		0	20	21	40	52	60	80	84	100	120	140	142	160	166	180	190	200	220	225

HORIZONTAL ALIGNMENT SETTING OUT DATA-Alignment Molale

NAME	CH	Y	X	DETAILS
START	0.000	-97 113.839	3 023 796.790	L 149.934m
BCC1 PI1 ECC1	149.934 165.558	-97 051.675 -97 047.563 -97 038.504	3 023 660.351 3 023 651.326 3 023 655.363	R 10.000m DA 89°31'20" TL 9.917m AL 15.625m
BCC2 PI2 ECC2	207.074 214.696	-97 000.583 -96 996.923 -96 993.150	3 023 672.260 3 023 673.891 3 023 672.544	R 10.000m DA 43°40'00" TL 4.006m AL 7.621m
BCC3 PI3 ECC3	214.696 222.293	-96 993.150 -96 989.390 -96 985.739	3 023 672.544 3 023 671.201 3 023 672.818	R 10.000m DA 43°31'40" TL 3.993m AL 7.597m
BCC4 PI4 ECC4	257.230 264.936	-96 953.793 -96 950.084 -96 948.567	3 023 686.960 3 023 688.602 3 023 692.364	R 10.000m DA 44°09'10" TL 4.056m AL 7.706m
BCC5 PI5 ECC5	264.936 272.618	-96 948.567 -96 947.055 -96 943.363	3 023 692.364 3 023 696.112 3 023 697.757	R 10.000m DA 44°00'50" TL 4.042m AL 7.682m
END	323.827	-96 896.588	3 023 718.600	L 51.209m

Vertical Alignment: Alignment 01 VA
Description:
Station Range: Start: 0.000, End: 224.661

Vertical Curve Information:(sag curve)

PVC Station:	21.059	Elevation:	1,314.434m
PVI Station:	52.401	Elevation:	1,314.267m
PVT Station:	83.743	Elevation:	1,314.574m
Low Point:	43.158	Elevation:	1,314.375m
Grade in:	-0.53%	Grade out:	0.98%
Change:	1.51%	K:	
Curve Length:	62.683m	Curve Radius	4145.308976515249
Headlight Distance:			

Vertical Curve Information:(sag curve)

PVC Station:	141.751	Elevation:	1,315.142m
PVI Station:	166.042	Elevation:	1,315.380m
PVT Station:	190.332	Elevation:	1,315.817m
Low Point:	141.751	Elevation:	1,315.142m
Grade in:	0.98%	Grade out:	1.80%
Change:	0.82%	K:	59.257m
Curve Length:	48.580m	Curve Radius	5,925.716m
Headlight Distance:			

Maquassi Hills Local Municipality

MAQUASSI HILLS LOCAL MUNICIPALITY

PRIVATE BAG X3 TEL: 018 596 1068
WOLMARANSSTAD FAX: 018 596 1555
2630

AMENDMENTS

REV	DATE	APPROVED	DESCRIPTION
A	SEP 2026	G. A. M	ISSUE FOR TENDER

CONSULTANT DETAIL

DITLOU CONSULTING — SOLUTIONS THAT IMPROVE LIVES

DITLOU CONSULTING CC
OFFICE 19 EAST 202
SANLYNN OFFICE PARK
CNR ALKANTRAND & LYNNWOOD ROAD
PO BOX 15684
LYNN EAST
0039
TEL: (012)548-0196
FAX: (012)548-0298
EMAIL: info@ditloucon.co.za

I, G. MANYIKA Prof Reg Nr 2024301981
HEREBY CERTIFY THAT THE SERVICES WILL BE INSTALLED ACCORDING TO THE DRAWING

DATE ________ SIGNATURE ________ A REVISION

DESIGNED
NAME: L. MODISHA Prof Reg No:..........
SIGNATURE:.......... DATE:..........

DRAWN
NAME: O. BALOYI
SIGNATURE:.......... DATE:..........

CHECKED
NAME: G. MANYIKA Prof Reg No: 2024301981
SIGNATURE:.......... DATE:..........

INFORMATION OFFICE CHECKED
NAME:..........
SIGNATURE:.......... DATE:..........

DESIGN OFFICE APPROVAL
NAME:.......... Prof Reg No:..........
SIGNATURE:.......... DATE:..........

CONTRACT No.: 8/1/2 N.J. MBONANI
PROJECT No.: 1145K-2
SHEET No.: 1
PAPER SIZE: A1
SCALE: AS SHOWN
DATE:

LOCATION OF PROJECT
DESIGN AND SUPERVISION OF UPGRADING OF GRAVEL ROAD TO BLOCK PAVING AT KALANGA, MOLALE, WILLIAM OLIFANT STREETS IN LEBALENG

DRAWING NAME:
LONGSECTION LAYOUT

CONTRACT NUMBER:
8/1/2 N.J. MBONANI

DRAWING NUMBER
1145K-2-03L01

A REVISION

PROJECT STATUS

○ CONCEPT DRAWING ● TENDER DRAWING ○ CONSTRUCTION DRAWING ○ AS BUILT DRAWING

PROJECT ENGINEER of MHLM:
NAME ________ SIGNATURE ________
Prof Reg No. ________ DATE ________

INSPECTOR OF WORKS of MHLM:
SIGNATURE ________
NAME ________ DATE ________