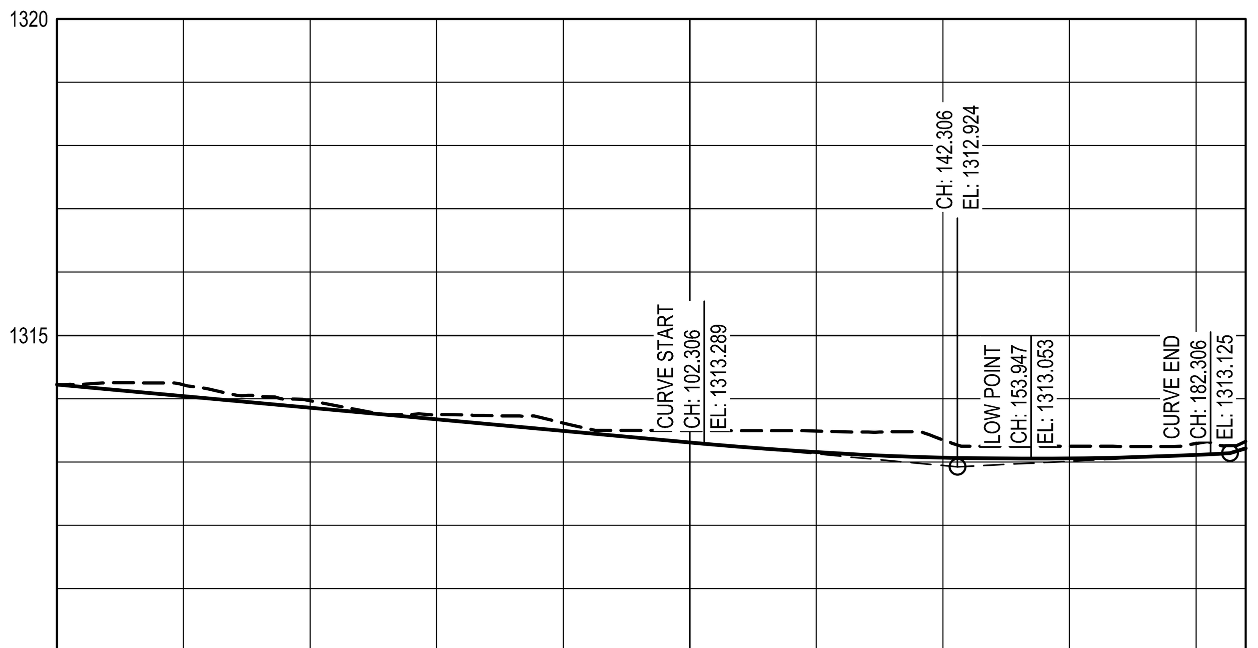
LONGSECTION ALIGNMENT BOLAO
FROM 0.000 TO 187.836

NGL - - - -
ROAD ——

SCALES:
Horizontal 1:1000
Vertical 1:100

DATUM 1310.000



VERTICAL PROFILE GRADES: BVC 102.306; VCL=80.000m; K=57; EVC 182.306; -0.914%; 142.306; 1312.924; 0.502%; 2.999%

DISTANCE (m)	LEFT EDGE (HL)	CENTRE LINE (CL)	RIGHT EDGE (HR)	GROUND LEVELS ON CL
0		1314.224		1314.224
20	1313.966	1314.041	1314.094	1314.220
40	1313.784	1313.859	1313.914	1313.968
60	1313.601	1313.676	1313.734	1313.750
80	1313.418	1313.493	1313.554	1313.616
100	1313.235	1313.310	1313.374	1313.497
102	1313.214	1313.289	1313.353	1313.496
120	1313.080	1313.155	1313.221	1313.489
140	1312.996	1313.071	1313.139	1313.350
142	1312.990	1313.065	1313.134	1313.268
160	1312.982	1313.057	1313.128	1313.249
180		1313.114		1313.294
182		1313.125		1313.308
185		1313.140		1313.258
188		1313.215		1313.325

FINAL DESIGN ROAD LEVELS

SUPERELEVATION: LEFT · · · · · · ; RIGHT — —

HORIZONTAL ALIGNMENT: DIRECTION 335°18'40"; BCC 126.458; CURVE; 142.205 ECC; R=10.0m; I=20°25'20"; DIRECTION 65°32'00"

HORIZONTAL ALIGNMENT SETTING OUT DATA-Alignment Bolao

NAME	CH	Y	X	DETAILS
START	0.000	-96 852.837	3 024 017.573	L 126.458m
BCC7 PI7 ECC7	126.458 142.205	-96 905.659 -96 909.853 -96 900.715	3 024 132.471 3 024 141.592 3 024 145.750	R 10.000m DA 90°13'30" TL 10.039m AL 15.747m
PI	187.836	-96 859.181	3 024 164.648	L 45.631m
END	187.836	-96 859.181	3 024 164.648	L 45.631m

Vertical Alignment: Alignment 06 VA
Description:
Station Range: Start: 0.000, End: 187.836

Vertical Curve Information:(sag curve)

PVC Station:	102.306	Elevation:	1,313.289m
PVI Station:	142.306	Elevation:	1,312.924m
PVT Station:	182.306	Elevation:	1,313.125m
Low Point:	153.947	Elevation:	1,313.053m
Grade in:	-0.91%	Grade out:	0.50%
Change:	1.42%	K:	56.520m
Curve Length:	80.000m	Curve Radius	5,652.046m
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 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

DITLOU CONSULTING SOLUTIONS THAT IMPROVE LIVES

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

DATE SIGNATURE REVISION A

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-2-03L04

REVISION A

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