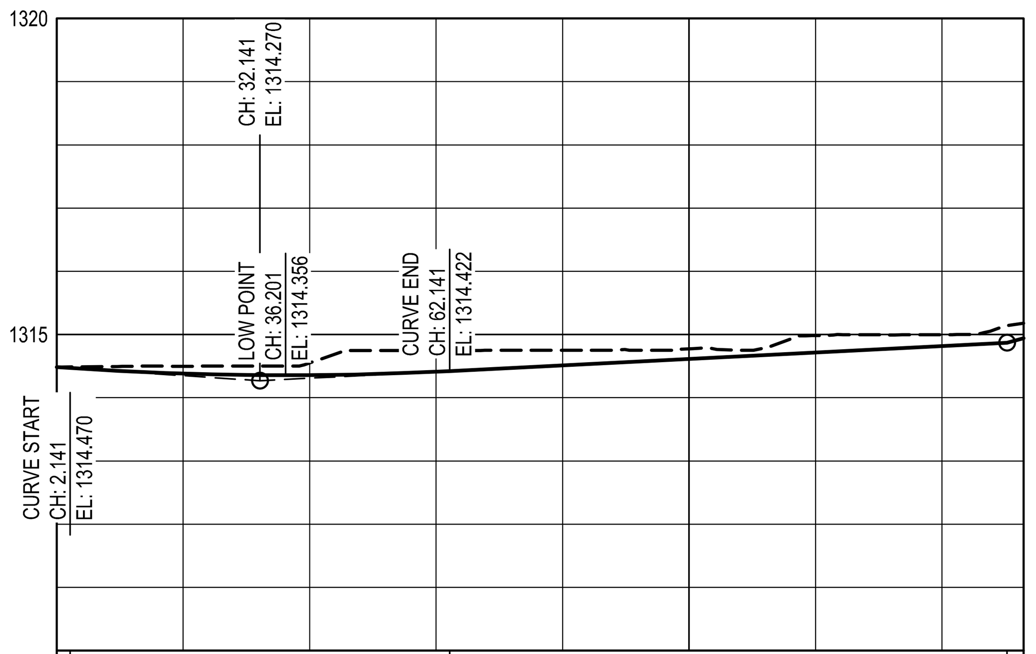
LONGSECTION ALIGNMENT WILLIAM OLIFANT
FROM 0.000 TO 152.931



NGL - - - - -
ROAD ———

SCALES:
Horizontal 1:1000
Vertical 1:100

DATUM 1310.000

VERTICAL PROFILE GRADES	BVC 2.141 — VCL=60.000m, K=51 — EVC 62.141; -0.667%, 32.141, 1314.270, 0.508%, 2.669%

DISTANCE (m)	0	2	20	32	40	60	62	80	100	120	140	150	153
FINAL DESIGN ROAD LEVELS – LEFT EDGE (HL)		1314.545	1314.457	1314.433	1314.432	1314.487	1314.497	1314.588	1314.689	1314.791			
FINAL DESIGN ROAD LEVELS – CENTRE LINE (CL)	1314.484	1314.470	1314.382	1314.358	1314.357	1314.412	1314.422	1314.513	1314.614	1314.716	1314.818	1314.870	1314.940
FINAL DESIGN ROAD LEVELS – RIGHT EDGE (HR)		1314.395	1314.307	1314.283	1314.282	1314.337	1314.347	1314.438	1314.539	1314.641			
GROUND LEVELS ON CL	1314.484	1314.487	1314.499	1314.500	1314.550	1314.749	1314.749	1314.750	1314.775	1314.983	1314.997	1315.142	1315.177

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

HORIZONTAL ALIGNMENT: DIRECTION 155°21'50"

Vertical Alignment: Alignment 02 VA
Description:
Station Range: Start: 0.000, End: 152.931

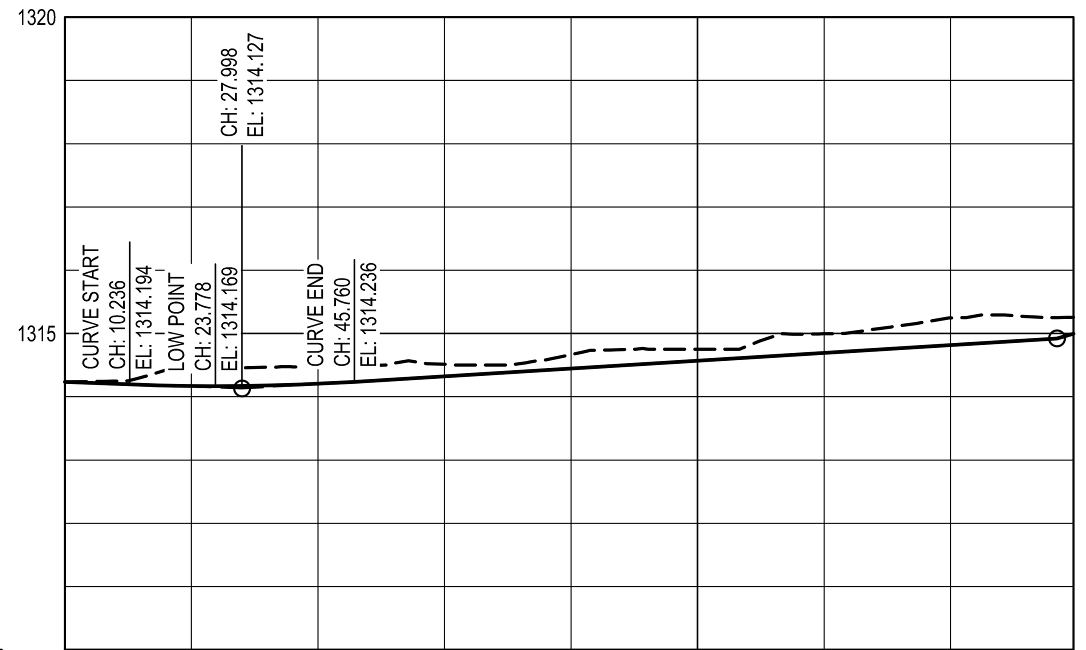
Vertical Curve Information:(sag curve)

PVC Station:	2.141	Elevation:	1,314.470m
PVI Station:	32.141	Elevation:	1,314.270m
PVT Station:	62.141	Elevation:	1,314.422m
Low Point:	36.201	Elevation:	1,314.356m
Grade in:	-0.67%	Grade out:	0.51%
Change:	1.18%	K:	51.043m
Curve Length:	60.000m	Curve Radius	5,104.264m
Headlight Distance:			

HORIZONTAL ALIGNMENT SETTING OUT DATA-Alignment William Olifant

NAME	CH	Y	X	DETAILS
START	0.000	-97 010.306	3 023 834.505	L 0.000m
END	153	-96 946.559	3 023 695.493	L 152.931m

LONGSECTION ALIGNMENT MOTSAMA
FROM 0.000 TO 159.445



NGL - - - - -
ROAD ———

SCALES:
Horizontal 1:1000
Vertical 1:100

DATUM 1310.000

VERTICAL PROFILE GRADES	BVC 10.236 — VCL=35.524m, K=36 — EVC 45.760; -0.380%, 27.998, 1314.127, 0.616%, 2.832%

DISTANCE (m)	0	10	20	28	40	46	60	80	100	120	140	157	159
FINAL DESIGN ROAD LEVELS – LEFT EDGE (HL)		1314.119	1314.096	1314.096	1314.131	1314.162	1314.249	1314.372	1314.496	1314.619	1314.742		
FINAL DESIGN ROAD LEVELS – CENTRE LINE (CL)	1314.233	1314.194	1314.171	1314.171	1314.206	1314.236	1314.324	1314.447	1314.571	1314.694	1314.817	1314.921	1314.996
FINAL DESIGN ROAD LEVELS – RIGHT EDGE (HR)		1314.269	1314.246	1314.246	1314.281	1314.312	1314.399	1314.522	1314.646	1314.769	1314.892		
GROUND LEVELS ON CL	1314.233	1314.256	1314.460	1314.460	1314.485	1314.489	1314.512	1314.666	1314.750	1314.995	1315.246	1315.250	1315.257

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

HORIZONTAL ALIGNMENT: DIRECTION 155°25'00"

Vertical Alignment: Alignment 03 VA
Description:
Station Range: Start: 0.000, End: 159.445

Vertical Curve Information:(sag curve)

PVC Station:	10.236	Elevation:	1,314.194m
PVI Station:	27.998	Elevation:	1,314.127m
PVT Station:	45.760	Elevation:	1,314.236m
Low Point:	23.778	Elevation:	1,314.169m
Grade in:	-0.38%	Grade out:	0.62%
Change:	1.00%	K:	35.673m
Curve Length:	35.524m	Curve Radius	3,567.332m
Headlight Distance:			

HORIZONTAL ALIGNMENT SETTING OUT DATA-Alignment Motsama

NAME	CH	Y	X	DETAILS
START	0.000	-97 063.070	3 023 818.117	L 0.000m
END	159	-96 966.741	3 023 673.124	L 159.445m

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

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-2-03L02
A REVISION

PROJECT STATUS
CONCEPT DRAWING | TENDER DRAWING (selected) | CONSTRUCTION DRAWING | AS BUILT DRAWING

PROJECT ENGINEER of MHLM:
NAME SIGNATURE
Prof Reg No. DATE
INSPECTOR OF WORKS of MHLM:
SIGNATURE
NAME DATE