



LONGSECTION BRANCH1
FROM 0.000 TO 579.940

NGL -----
EGL - - - - -
HGL - - - - -

SCALES:
Horizontal 1:1000
Vertical 1:100

DATUM 1310.000

REFERENCE		KI1	MH1		MH2		MH3		MH4		MH5		MH7		MH8		MH9		MH10		KI11		KI12					
DISTANCE (m)		0.000	8.285		67.556		120.250		175.140		229.471		287.448		341.620		392.760		444.076		515.713		576.939					
DESIGN SURFACE		1315.500	1315.500		1315.366		1315.177		1314.992		1314.749		1314.500		1314.474		1314.255		1314.058		1313.986		1313.840					
EXCAVATION DEPTH TO INVERT (m)		1.051	1.048		1.268		1.285		1.431		1.479		1.437		1.528		1.492		1.478		1.673		1.735					
PIPE INVERT LEVEL		1314.493 1314.452 1314.455			1314.159 1314.155		1313.892 1313.892		1313.618 1313.618		1313.346 1313.346		1313.139 1313.139		1312.945 1312.945		1312.763 1312.763		1312.579 1312.579		1312.324 1312.324		1312.105					
SLOPE / LENGTH		0.50% 1:200.0 8.29m	0.50% 1:200.0 59.27m		0.50% 1:200.0 52.69m		0.50% 1:200.0 54.89m		0.50% 1:200.0 54.33m		0.36% 1:280.0 57.98m		0.36% 1:280.0 54.17m		0.36% 1:280.0 51.14m		0.36% 1:280.0 51.32m		0.36% 1:280.0 71.64m		0.36% 1:280.0 61.23m		0.36% 1:280.0 17.44m					
		DESIGN Q(l/s) V(m/s)	0.03 0.8	0.03 0.8	0.07 1.0	0.11 1.1	0.13 1.2	0.16 1.1	0.21 1.2	0.25 1.2	0.26 1.2	0.30 1.3	0.31 1.3	0.38 1.4														
HYDRAULICS		MAX. (0.8D) Q(l/s) V(m/s)	0.32 1.4	0.32 1.4	0.32 1.4	0.32 1.4	0.47 1.4	0.47 1.4	0.47 1.4	0.47 1.4	0.47 1.4	0.67 1.4																
		PIPE DESCRIPTION																										
		Ø600 RC CLASS 100D AS PER SANS 677					Ø600 RC CLASS 100D AS PER SANS 677					Ø750 RC CLASS 100D AS PER SANS 677					Ø750 RC CLASS 100D AS PER SANS 677					Ø750 RC CLASS 100D AS PER SANS 677					Ø900 RC CLASS 100D AS PER SANS 677	



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
0639
TEL: (012)548-0196
FAX: (012)548-0298
EMAIL: info@ditlou.co.za

I, **G. MANYIKA** Prof Reg No: **2024301981**
HEREBY CERTIFY THAT THE SERVICES WILL BE INSTALLED
ACCORDING TO THE DRAWING

DATE: SIGNATURE:

DESIGNED

NAME: **S. ZITUMANE** Prof Reg No:
SIGNATURE: DATE: **SEP 2026**

DRAWN

NAME: **A. MASOMBUKA**
SIGNATURE: DATE: **SEP 2026**

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.

1

PAPER SIZE

A1

SCALE

AS SHOWN

DATE:

SEP 2026

LOCATION OF PROJECT

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

DRAWING NAME:

**STORMWATER LONGSECTION LAYOUT
(SHEET 1 OF 7)**

CONTRACT NUMBER:

8/1/2 N.J. MBONANI

DRAWING NUMBER

1145K-2-05L01

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:

NAME: SIGNATURE:
DATE: