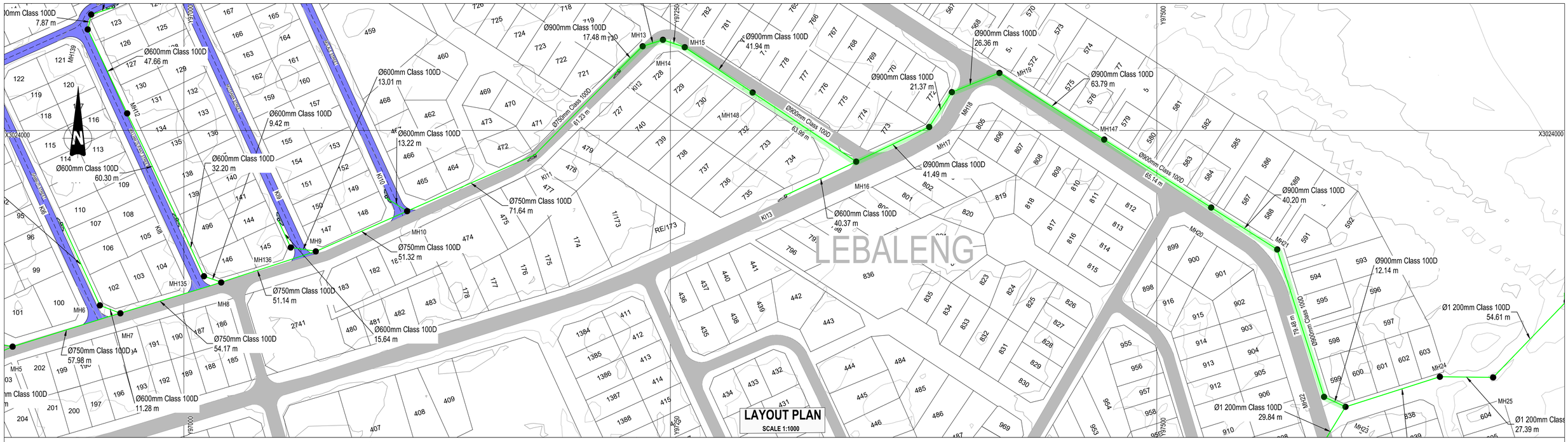
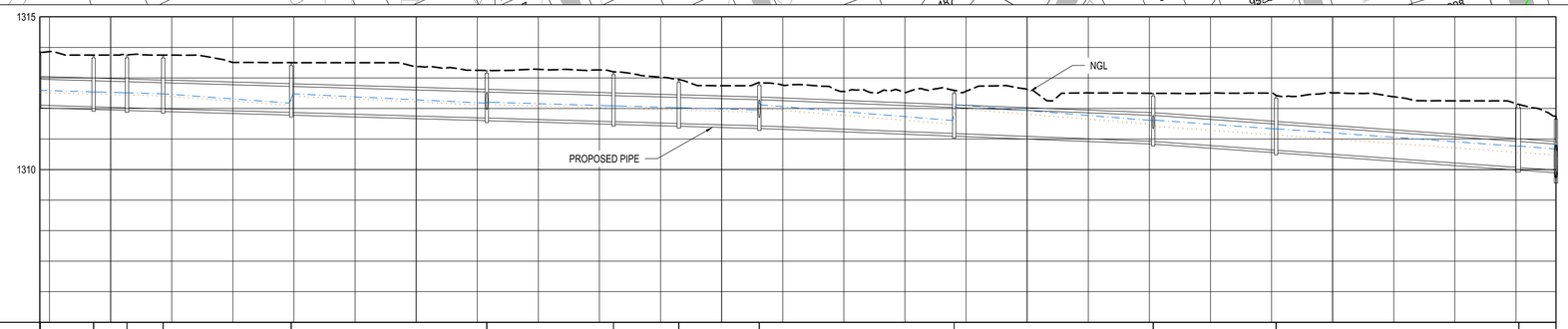


LONGSECTION BRANCH1
FROM 576.800 TO 1073.100



NGL
EGL
HGL

SCALES:
Horizontal 1:1000
Vertical 1:100

DATUM 1305.000

REFERENCE		KI12	MH13	MH14	MH15	MH148	MH16	MH17	MH18	MH19	MH147	MH20	MH21	MH22	MH23								
DISTANCE (m)		576.939	594.422	594.422	605.338	617.179	659.119	723.112	764.601	785.969	812.331	876.123	941.268	981.469	1060.945	1073.088							
DESIGN SURFACE		1313.840	1313.750	1313.752	1313.749	1313.501	1313.245	1313.200	1312.952	1312.853	1312.594	1312.497	1312.430	1312.133	1311.750								
EXCAVATION DEPTH TO INVERT (m)		1.735	1.695	1.728	1.759	1.631	1.557	1.631	1.444	1.421	1.415	1.575	1.795	2.066	2.044								
PIPE INVERT LEVEL		1312.105	1312.055	1312.055	1312.024	1312.024	1311.990	1311.990	1311.870	1311.870	1311.687	1311.687	1311.569	1311.569	1311.508	1311.508	1311.432	1311.432	1311.180	1311.180	1310.922	1310.922	1310.635	1310.635	1310.067	1310.067	1309.980
SLOPE / LENGTH		0.36% 1:280.0 61.23m	0.29% 1:350.0 7.48m	0.29% 1:350.0 10.92m	0.29% 1:350.0 11.84m	0.29% 1:350.0 41.94m	0.29% 1:350.0 63.99m	0.29% 1:350.0 41.49m	0.29% 1:350.0 21.37m	0.29% 1:350.0 26.36m	0.40% 1:252.4 63.79m	0.40% 1:252.4 65.14m	0.71% 1:140.0 40.20m	0.71% 1:140.0 79.48m	0.71% 1:140.0 12.14m								
HYDRAULICS	DESIGN Q(l/s)	0.31	0.33	0.33	0.33	0.33	0.33	0.36	0.36	0.36	0.62	0.62	0.68	0.68	0.68								
	DESIGN V(m/s)	1.3	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.6	1.6	2.0	2.0	2.0								
	MAX. (0.8D) Q(l/s)	0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.78	0.78	1.05	1.05	1.05								
	MAX. (0.8D) V(m/s)	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.6	1.6	2.1	2.1	2.1								
PIPE DESCRIPTION		Ø900 RC CLASS 100D AS PER SANS 677						Ø900 RC CLASS 100D AS PER SANS 677				Ø900 RC CLASS 100D AS PER SANS 677				Ø900 RC CLASS 100D AS PER SANS 677							

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 REVISION A

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.

SHEET 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 2 OF 7)

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

DRAWING NUMBER
1145K-2-05L02

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:
NAME SIGNATURE
DATE