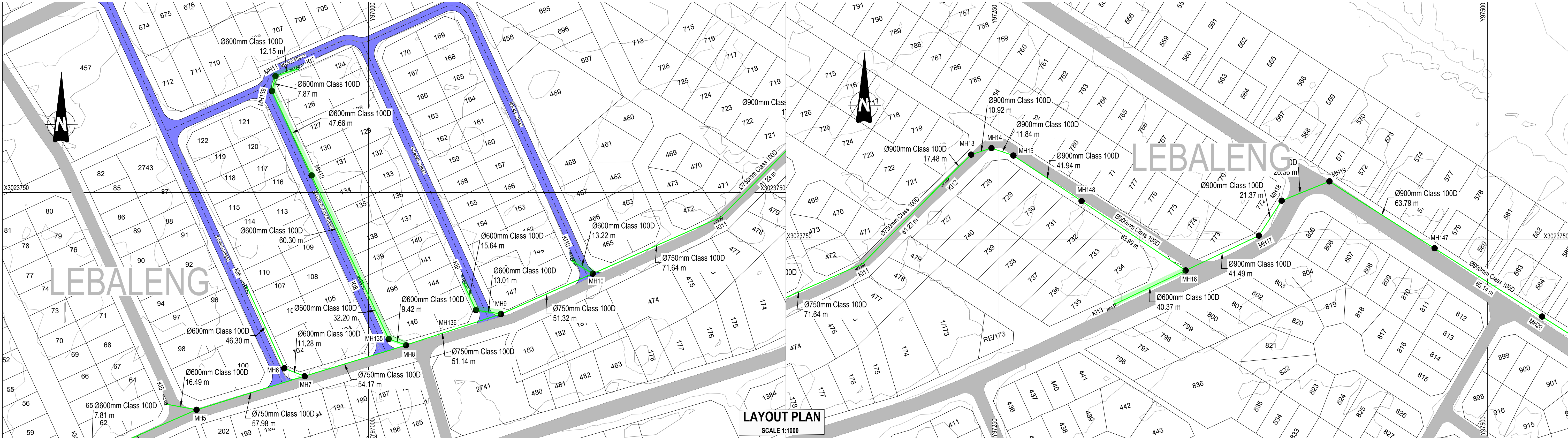




LAYOUT PLAN
SCALE 1:1000

LONGSECTION BRANCH24
FROM 0.000 TO 169.596

NGL - - - - -
EGL - - - - -
HGL - - - - -
SCALES:
Horizontal 1:1000
Vertical 1:100

DATUM 1310.000

REFERENCE		K17		MH11		MH139		MH12		K18		MH135		MH8	
DISTANCE (m)		0.000		12.148		20.014		67.672		127.974		160.177		169.596	
DESIGN SURFACE		1315.196		1314.851		1314.791		1314.687		1314.618		1314.495		1314.474	
EXCAVATION DEPTH TO INVERT (m)		1.313		1.041		1.020		1.155		1.388		1.426		1.528	
PIPE INVERT LEVEL		1313.927		1313.867		1313.827		1313.589		1313.287		1313.126		1313.079	
SLOPE / LENGTH		0.50% 1:200.0 7.87m		0.50% 1:200.0 7.87m		0.50% 1:200.0 47.66m		0.50% 1:200.0 60.30m		0.50% 1:200.0 32.20m		0.50% 1:200.0 9.42m		0.50% 1:200.0 9.42m	
HYDRAULICS	DESIGN	Q(l/s) 0.01 0.5	Q(l/s) 0.01 0.5	0.01 0.5		0.01 0.5		0.01 0.5		0.04 0.8		0.04 0.8		0.04 0.8	
	MAX. (0.8D)	Q(l/s) 0.32 1.4	Q(l/s) 0.32 1.4	0.32 1.4		0.32 1.4		0.32 1.4		0.32 1.4		0.32 1.4		0.32 1.4	
PIPE DESCRIPTION		Ø600 RC CLASS 1000 AS PER SANS 677										Ø600 RC CLASS 1000 AS PER SANS 677			

LONGSECTION BRANCH25
FROM 0.000 TO 28.651

NGL - - - - -
EGL - - - - -
HGL - - - - -
SCALES:
Horizontal 1:1000
Vertical 1:100

DATUM 1310.000

REFERENCE		K19		MH136		MH9	
DISTANCE (m)		0.000		15.643		28.651	
DESIGN SURFACE		1314.283		1314.287		1314.295	
EXCAVATION DEPTH TO INVERT (m)		1.310		1.392		1.492	
PIPE INVERT LEVEL		1313.040		1312.982		1312.897	
SLOPE / LENGTH		0.50% 1:200.0 15.64m		0.50% 1:200.0 13.01m			
HYDRAULICS	DESIGN	Q(l/s) V(m/s)	0.01 0.6	0.01 0.6			
	MAX. (0.8D)	Q(l/s) V(m/s)	0.32 1.4	0.32 1.4			
PIPE DESCRIPTION		Ø600 RC CLASS 1000 AS PER SANS 677 Ø600 RC CLASS 1000 AS PER SANS 677					

LONGSECTION BRANCH26
FROM 0.000 TO 13.223

NGL - - - - -
EGL - - - - -
HGL - - - - -
SCALES:
Horizontal 1:1000
Vertical 1:100

DATUM 1310.000

REFERENCE		K110	MH10
DISTANCE (m)		0.000	13.223
DESIGN SURFACE		1314.212	1314.058
EXCAVATION DEPTH TO INVERT (m)		1.437	1.478
PIPE INVERT LEVEL		1312.776	1312.710
SLOPE / LENGTH		0.50% 1:200.0 13.22m	
HYDRAULICS	DESIGN	Q(l/s) V(m/s)	0.04 0.8
	MAX. (0.8D)	Q(l/s) V(m/s)	0.32 1.4
PIPE DESCRIPTION		Ø600 RC CLASS 100 AS PER SANS 677	

LONGSECTION BRANCH9
FROM 0.000 TO 40.374

NGL - - - - -
EGL - - - - -
HGL - - - - -
SCALES:
Horizontal 1:1000
Vertical 1:100

DATUM 1310.000

REFERENCE		K113	MH16
DISTANCE (m)		0.000	40.374
DESIGN SURFACE		1313.630	1313.245
EXCAVATION DEPTH TO INVERT (m)		1.529	1.557
PIPE INVERT LEVEL		1312.158	1311.956
SLOPE / LENGTH		0.50% 1:200.0 ← 40.37m →	
HYDRAULICS	DESIGN	Q(l/s) V(m/s)	0.03 0.8
	MAX. (0.8D)	Q(l/s) V(m/s)	0.32 1.4
PIPE DESCRIPTION		Ø600 RC CLASS 1000 AS PER SANS 677	

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

DESIGNED

NAME: S. ZITUMANE
SIGNATURE: _____ DATE: SEP 2026
NAME: A. MASOMBUKA
SIGNATURE: _____ DATE: SEP 2026
CHECKED
NAME: G. MANYIKA
SIGNATURE: _____ DATE: _____
INFORMATION OFFICE CHECKED
NAME: _____
SIGNATURE: _____ DATE: _____
DESIGN OFFICE APPROVAL
NAME: _____
SIGNATURE: _____ DATE: _____

CONTRACT

No. 8/1/2 N.J. MBONANI
PROJECT No. 1
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 4 OF 7)
CONTRACT NUMBER: 8/1/2 N.J. MBONANI
DRAWING NUMBER 1145K-2-05L04

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



MAQUASSI HILLS LOCAL
MUNICIPALITY

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WOLMARANSSTAD FAX: 018 596 1555
2630