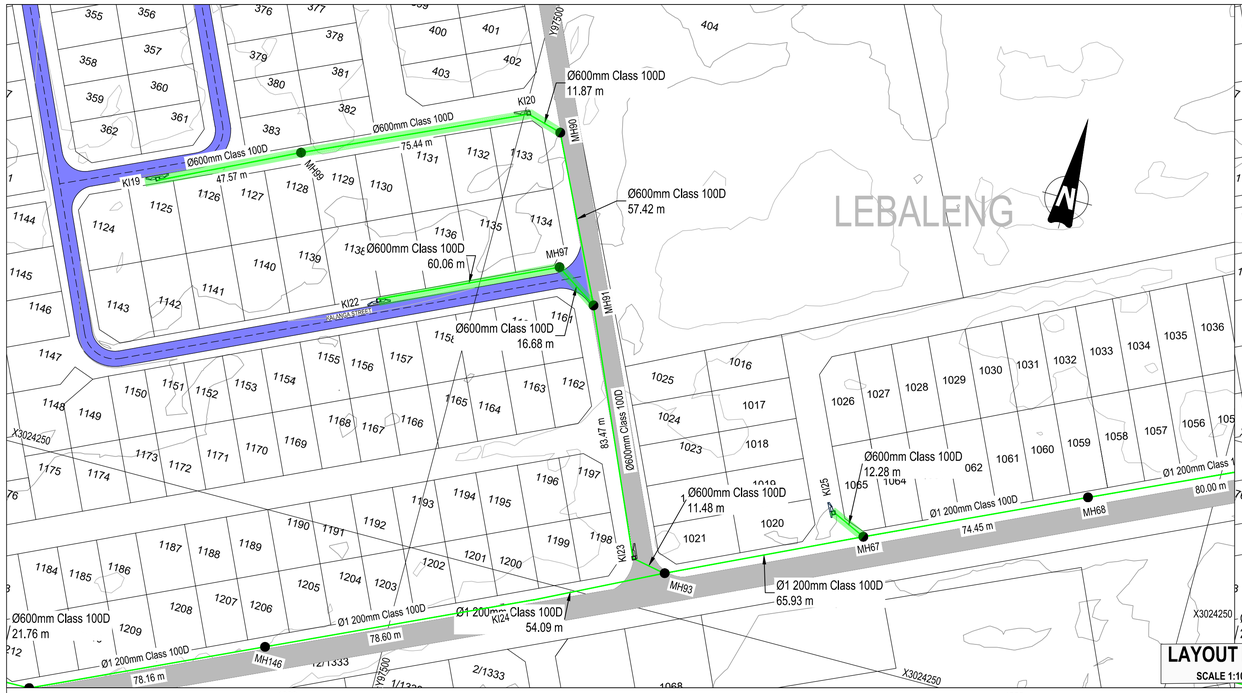
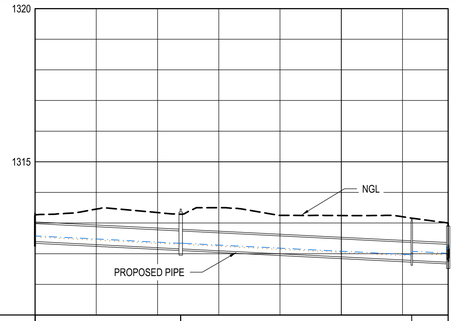


LAYOUT PLAN

SCALE 1:1000

LONGSECTION BRANCH17
FROM 0.000 TO 134.875



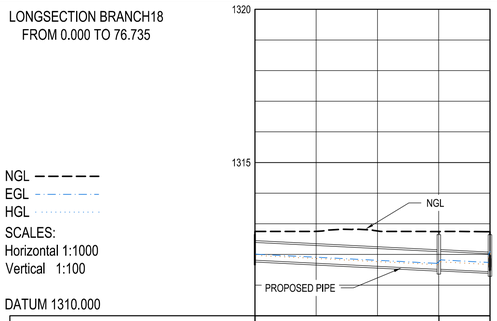
NGL
EGL
HGL

SCALES:
Horizontal 1:1000
Vertical 1:100

DATUM 1310.000

REFERENCE		KI19	MH99	KI20	MH90
DISTANCE (m)		0.000	47.572	123.008	134.875
DESIGN SURFACE		1313.269	1313.290	1313.160	1313.000
EXCAVATION DEPTH TO INVERT (m)		0.931	1.189	1.436	1.336
PIPE INVERT LEVEL		1312.395	1312.157 / 1312.157	1311.780 / 1311.780	1311.721
SLOPE / LENGTH			0.50% 1:200.0 47.57m	0.50% 1:200.0 75.44m	0.50% 1:200.0 11.87m
HYDRAULICS	DESIGN Q(l/s) V(m/s)		0.04 0.9	0.04 0.9	0.11 1.1
	MAX. (0.8D) Q(l/s) V(m/s)		0.32 1.4	0.32 1.4	0.32 1.4
PIPE DESCRIPTION			Ø600 RC CLASS 100D AS PER SANS 677	Ø600 RC CLASS 100D AS PER SANS 677	

LONGSECTION BRANCH18
FROM 0.000 TO 76.735



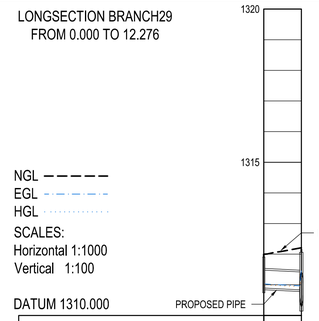
NGL
EGL
HGL

SCALES:
Horizontal 1:1000
Vertical 1:100

DATUM 1310.000

REFERENCE		KI22	MH97	MH91	
DISTANCE (m)		0.000	60.059	76.735	
DESIGN SURFACE		1312.750	1312.748	1312.743	
EXCAVATION DEPTH TO INVERT (m)		0.997	1.239	1.307	
PIPE INVERT LEVEL		1311.810	1311.510 / 1311.519	1311.436	
SLOPE / LENGTH			0.50% 1:200.0 60.06m	0.50% 1:200.0 16.68m	
HYDRAULICS	DESIGN Q(l/s) V(m/s)		0.05 0.9	0.12 1.1	
	MAX. (0.8D) Q(l/s) V(m/s)		0.32 1.4	0.32 1.4	
PIPE DESCRIPTION			Ø600 RC CLASS 100D AS PER SANS 677	Ø600 RC CLASS 100D AS PER SANS 677	

LONGSECTION BRANCH29
FROM 0.000 TO 12.276



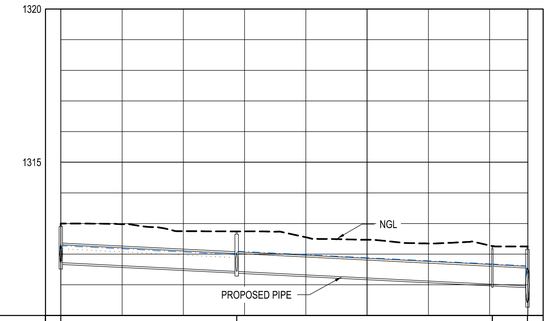
NGL
EGL
HGL

SCALES:
Horizontal 1:1000
Vertical 1:100

DATUM 1310.000

REFERENCE		KI25	MH67	
DISTANCE (m)		0.000	12.276	
DESIGN SURFACE		1312.000	1312.207	
EXCAVATION DEPTH TO INVERT (m)		1.161	1.916	
PIPE INVERT LEVEL		1310.896	1310.834	
SLOPE / LENGTH			0.50% 1:200.0 12.28m	
HYDRAULICS	DESIGN Q(l/s) V(m/s)		0.02 0.7	
	MAX. (0.8D) Q(l/s) V(m/s)		0.32 1.4	
PIPE DESCRIPTION			Ø600 RC CLASS 100D AS PER SANS 677	

LONGSECTION BRANCH16
FROM 0.000 TO 152.473



NGL
EGL
HGL

SCALES:
Horizontal 1:1000
Vertical 1:100

DATUM 1310.000

REFERENCE		MH90	MH91	KI23	MH93
DISTANCE (m)		0.000	57.424	140.894	152.377
DESIGN SURFACE		1313.000	1312.743	1312.263	1312.250
EXCAVATION DEPTH TO INVERT (m)		1.336	1.307	1.244	1.832
PIPE INVERT LEVEL		1311.723	1311.436 / 1311.436	1311.018 / 1311.018	1310.961
SLOPE / LENGTH			0.50% 1:200.0 57.42m	0.50% 1:200.0 83.47m	0.50% 1:200.0 11.48m
HYDRAULICS	DESIGN Q(l/s) V(m/s)		0.31 1.4	0.33 1.2	0.33 1.2
	MAX. (0.8D) Q(l/s) V(m/s)		0.32 1.4	0.32 1.4	0.32 1.4
PIPE DESCRIPTION			Ø600 RC CLASS 100D AS PER SANS 677	Ø600 RC CLASS 100D AS PER SANS 677	Ø600 RC CLASS 100D AS PER SANS 677

Maqassi 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 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 7 OF 7)

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

DRAWING NUMBER: 1145K-2-05L07

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