



THULAMELA LOCAL MUNICIPALITY

**REPAIR AND CONSTRUCTION OF PHIPHIDI
MAHA ROAD FROM (KM 0) TO (KM 2.4).**

BOOK OF DRAWINGS FOR CIVIL WORKS

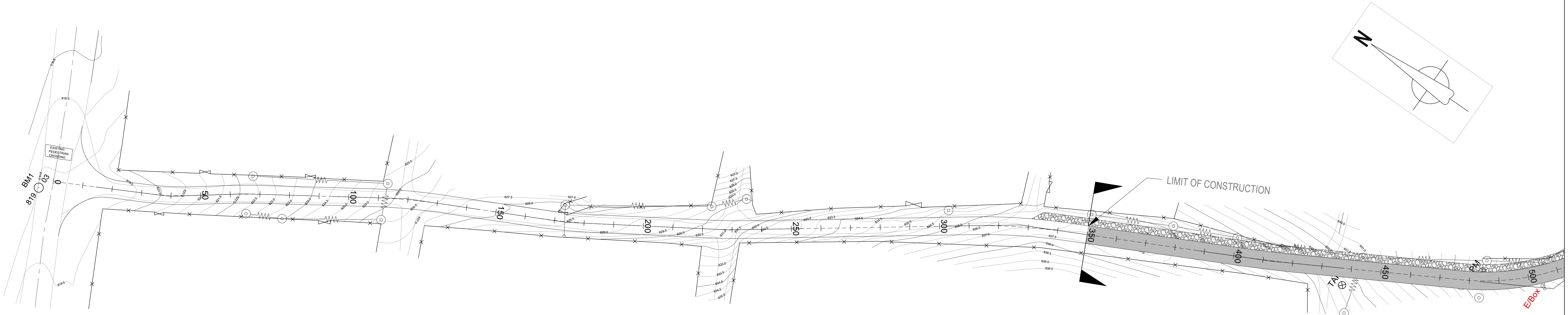
JULY 2026

TM MASH
— CONSULTING —

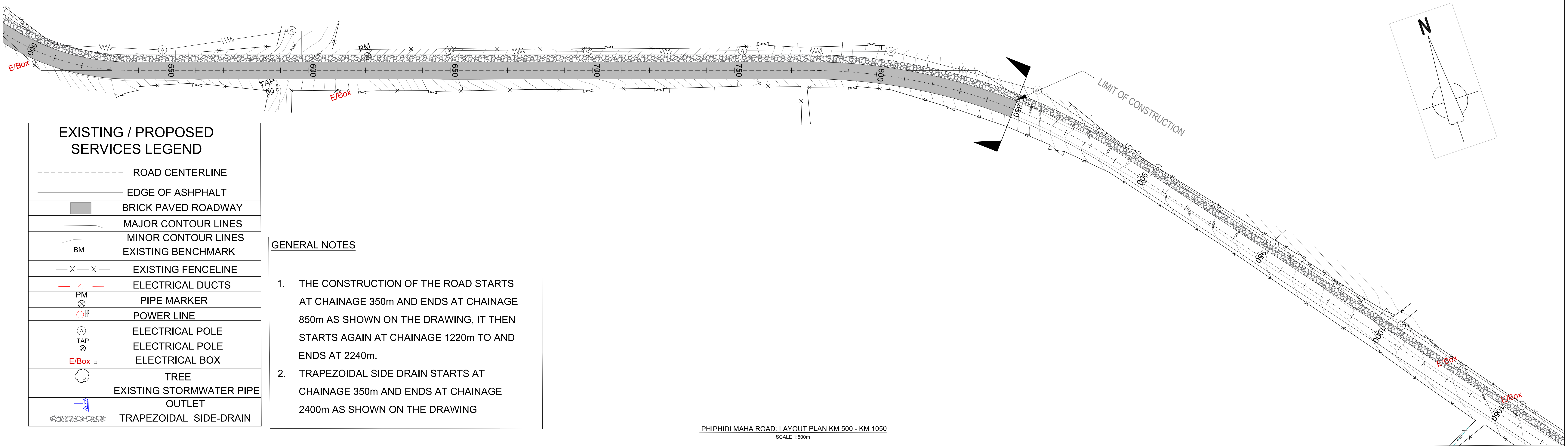
PREPARED BY:

TM MASH CONSULTING
125 MARSHALL STREET
POLOKWANE
0700

TEL: 015 023 1543
EMAIL: info@tmmash.co.za



PHIPHIDI MAHA ROAD: LAYOUT PLAN KM 0 - KM500
SCALE 1:500m



PHIPHIDI MAHA ROAD: LAYOUT PLAN KM 500 - KM 1050
SCALE 1:500m

EXISTING / PROPOSED SERVICES LEGEND

---	ROAD CENTERLINE
---	EDGE OF ASPHALT
---	BRICK PAVED ROADWAY
---	MAJOR CONTOUR LINES
---	MINOR CONTOUR LINES
BM	EXISTING BENCHMARK
-X-X-	EXISTING FENCELINE
1	ELECTRICAL DUCTS
PM	PIPE MARKER
⊗	POWER LINE
⊙	ELECTRICAL POLE
TAP	ELECTRICAL POLE
E/Box	ELECTRICAL BOX
⊙	TREE
---	EXISTING STORMWATER PIPE OUTLET
---	TRAPEZOIDAL SIDE-DRAIN

GENERAL NOTES

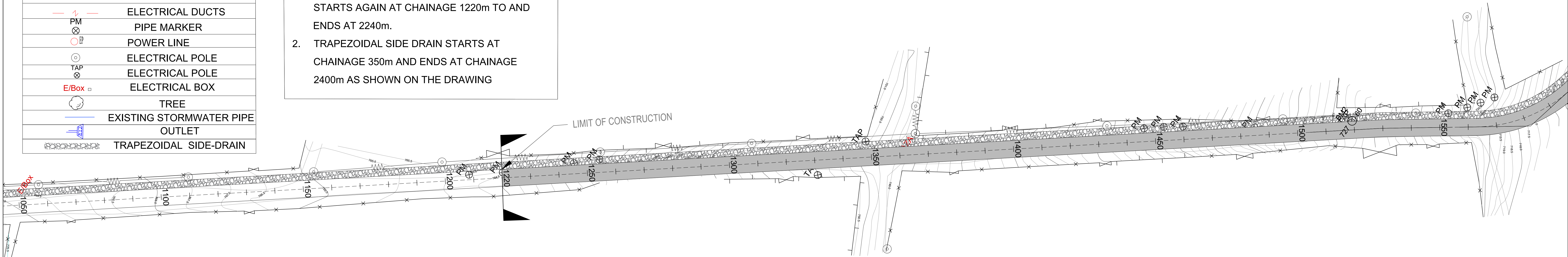
1. THE CONSTRUCTION OF THE ROAD STARTS AT CHAINAGE 350m AND ENDS AT CHAINAGE 850m AS SHOWN ON THE DRAWING, IT THEN STARTS AGAIN AT CHAINAGE 1220m TO AND ENDS AT 2240m.
2. TRAPEZOIDAL SIDE DRAIN STARTS AT CHAINAGE 350m AND ENDS AT CHAINAGE 2400m AS SHOWN ON THE DRAWING

			CONSTRUCTION RECORD (AS-BUILT)		DESIGNED BY		CONSULTANT APPROVAL		THULAMELA LOCAL MUNICIPALITY		PROJECT DESCRIPTION		PROJECT NUMBER	
			WORKS CONTRACT ENGINEER		NAME		Name		POSTAL ADDRESS:		REPAIR AND CONSTRUCTION OF PHIPHIDI MAHA ROAD FROM (KM 0) TO (KM 2.4).		DRAWING LOCATION DATA	
			Name		Prof. Reg. No.		Prof. Reg. No.		Private Bag X5066		GENERAL LAYOUT PLAN		ROUTE	
			Date		Date		Date		Thohoyandou Civic Center		DRAWING km DISTANCE		SECTION	
			THULAMELA MUNICIPALITY PROJECT MANAGER		CHECKED BY		THOHAYANDOU 0950		Tel: 015 962 7500		DRAWING TYPE		DRAWING TYPE No.	
			Name		NAME		FAX: 015 962 4020		THOHAYANDOU 0950		CONSULTANT DRAWING No.		TMMASH-0001-100-1001	
			Date		DRAWN BY						SCALE : 1:500m		VER	
					NAME								A	

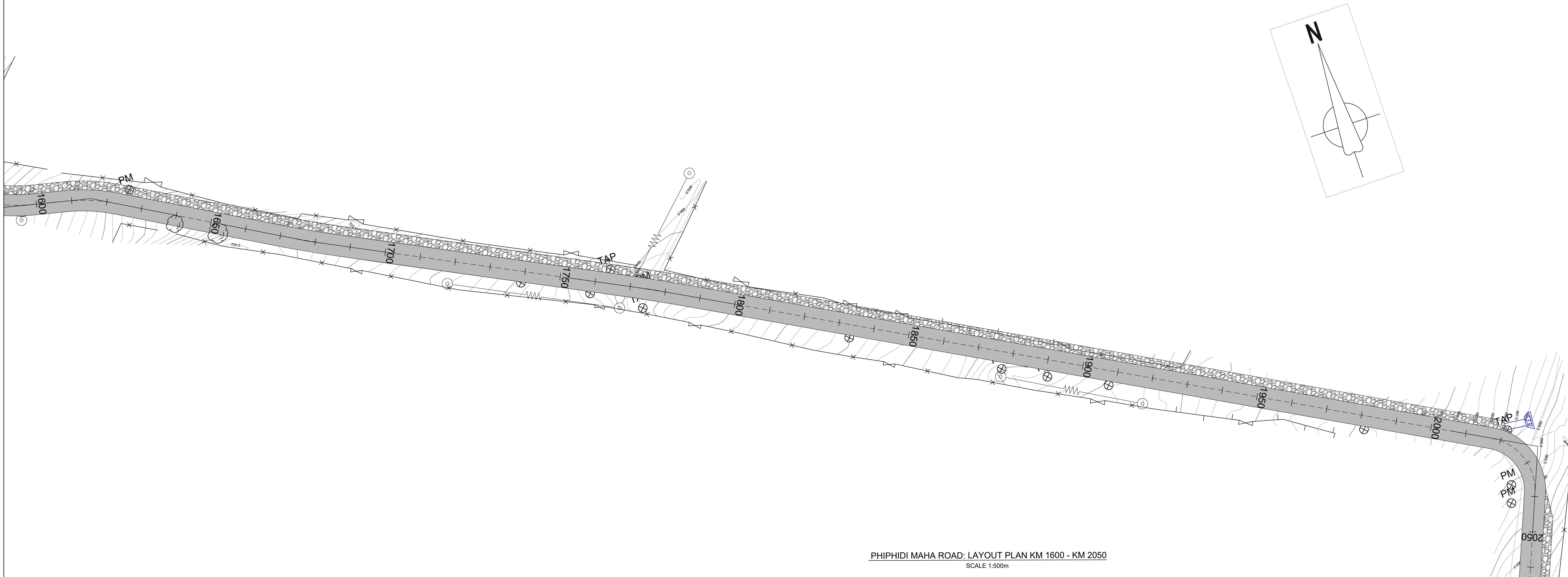
EXISTING / PROPOSED SERVICES LEGEND	
	ROAD CENTERLINE
	EDGE OF ASPHALT
	BRICK PAVED ROADWAY
	MAJOR CONTOUR LINES
	MINOR CONTOUR LINES
	BM EXISTING BENCHMARK
	EXISTING FENCELINE
	ELECTRICAL DUCTS
	PM PIPE MARKER
	POWER LINE
	ELECTRICAL POLE
	ELECTRICAL POLE
	E/Box ELECTRICAL BOX
	TREE
	EXISTING STORMWATER PIPE OUTLET
	TRAPEZOIDAL SIDE-DRAIN

GENERAL NOTES

1. THE CONSTRUCTION OF THE ROAD STARTS AT CHAINAGE 350m AND ENDS AT CHAINAGE 850m AS SHOWN ON THE DRAWING, IT THEN STARTS AGAIN AT CHAINAGE 1220m TO AND ENDS AT 2240m.
2. TRAPEZOIDAL SIDE DRAIN STARTS AT CHAINAGE 350m AND ENDS AT CHAINAGE 2400m AS SHOWN ON THE DRAWING



PHIPHIDI MAHA ROAD: LAYOUT PLAN KM 1050 - KM1550
SCALE 1:500m



PHIPHIDI MAHA ROAD: LAYOUT PLAN KM 1600 - KM 2050
SCALE 1:500m

Print By: WILLIAM
Printed: 10 April 2026

CONSTRUCTION RECORD (AS-BUILT)	
WORKS CONTRACT ENGINEER	
Name	:
Prof. Reg. No.	:
Date	:
THULAMELA MUNICIPALITY PROJECT MANAGER	
Name	:
Date	:
REVISION	
No.	DATE
1	23/07/26

TM MASH CONSULTING
POSTAL ADDRESS:
109 STEYN STREET
POLOKWANE EXT 7
0700
Tel: 084 431 0014



DESIGNED BY	
NAME	:
Prof. Reg. No.	:
CHECKED BY	
NAME	:
Prof. Reg. No.	:
DRAWN BY	
NAME	:

CONSULTANT APPROVAL
Name : AKHONA JUBA
Prof. Reg. No. : 201800344
Date : 23/07/2026

THULAMELA LOCAL MUNICIPALITY
POSTAL ADDRESS:
Private Bag X5066
Thohoyandou
0950
Tel: 015 962 7500
FAX: 015 962 4020



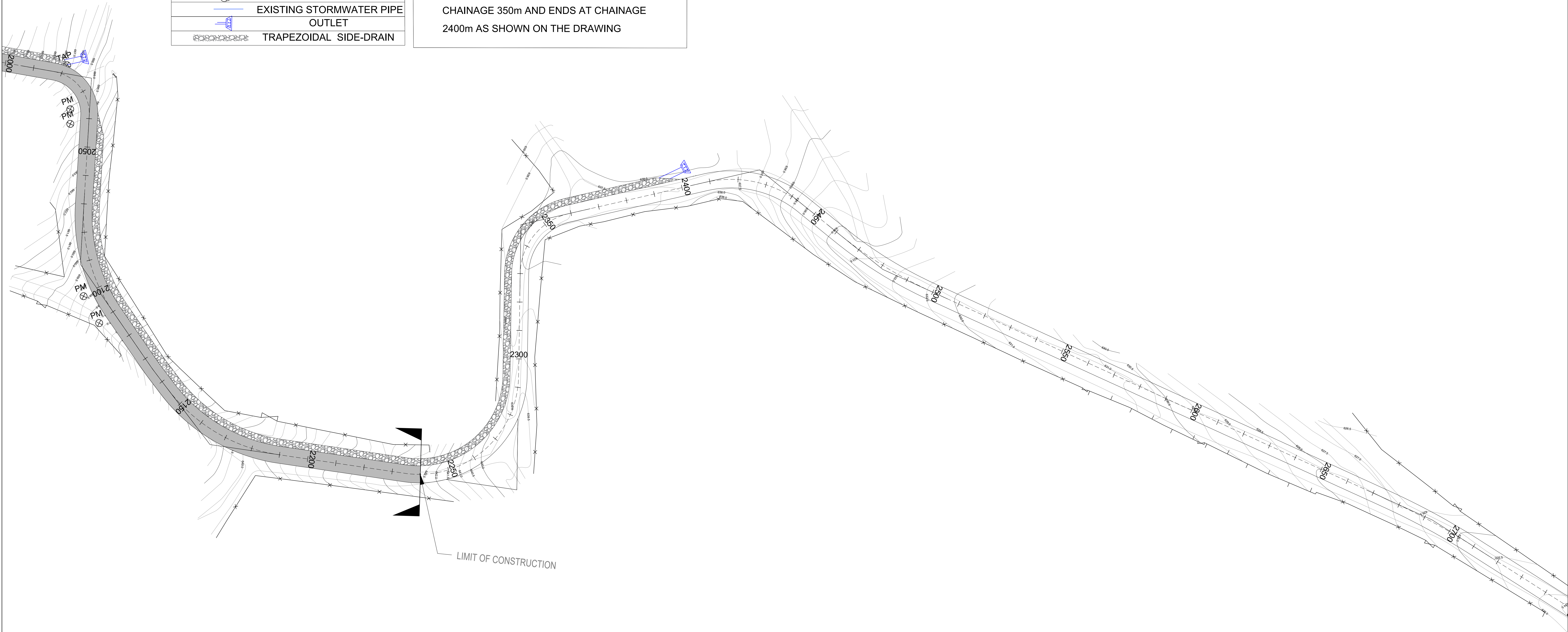
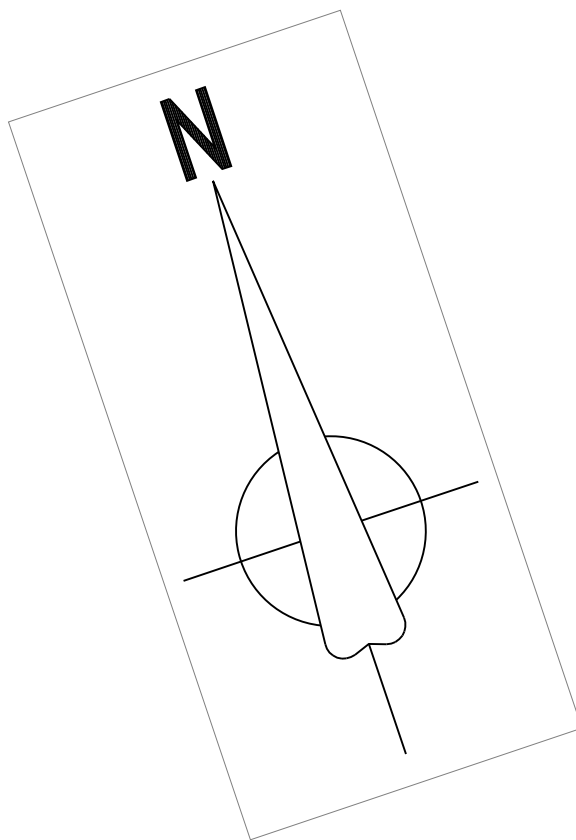
STREET ADDRESS:
Thohoyandou Civic
Center
Thohoyandou
0950

PROJECT DESCRIPTION	
REPAIR AND CONSTRUCTION OF PHIPHIDI MAHA ROAD FROM (KM 0) TO (KM 2.4).	
PROJECT NUMBER	
DRAWING LOCATION DATA	START
ROUTE	0
SECTION	2.4km
DRAWING km DISTANCE	
GENERAL LAYOUT PLAN	
BRIDGE/STRUCTURE No.	
CONSULTANT DRAWING No.	TMMASH-0001-100-1002
SCALE : 1:500m	VER
	A

EXISTING / PROPOSED SERVICES LEGEND	
	ROAD CENTERLINE
	EDGE OF ASPHALT
	BRICK PAVED ROADWAY
	MAJOR CONTOUR LINES
	MINOR CONTOUR LINES
	EXISTING BENCHMARK
	EXISTING FENCELINE
	ELECTRICAL DUCTS
	PIPE MARKER
	POWER LINE
	ELECTRICAL POLE
	ELECTRICAL POLE
	ELECTRICAL BOX
	TREE
	EXISTING STORMWATER PIPE OUTLET
	TRAPEZOIDAL SIDE-DRAIN

GENERAL NOTES

1. THE CONSTRUCTION OF THE ROAD STARTS AT CHAINAGE 350m AND ENDS AT CHAINAGE 850m AS SHOWN ON THE DRAWING, IT THEN STARTS AGAIN AT CHAINAGE 1220m TO AND ENDS AT 2240m.
2. TRAPEZOIDAL SIDE DRAIN STARTS AT CHAINAGE 350m AND ENDS AT CHAINAGE 2400m AS SHOWN ON THE DRAWING



PHIPHIDI MAHA ROAD: LAYOUT PLAN KM 2000 - KM 2700
SCALE 1:500m

Print By: WILLIAM
Printed: 10 April 2026

		CONSTRUCTION RECORD (AS-BUILT)		DESIGNED BY		CONSULTANT APPROVAL		THULAMELA LOCAL MUNICIPALITY		PROJECT DESCRIPTION		PROJECT NUMBER	
		WORKS CONTRACT ENGINEER		NAME		Name		POSTAL ADDRESS:		REPAIR AND CONSTRUCTION OF PHIPHIDI MAHA ROAD FROM (KM 0) TO (KM 2.4).		DRAWING LOCATION DATA	
		Name		Prof. Reg. No.		: AKHONA JUBA		Private Bag X5066		ROUTE		START	
		Date		CHECKED BY		: 23/07/2026		Thohoyandou		SECTION		0	
		THULAMELA MUNICIPALITY PROJECT MANAGER		NAME				0950		DRAWING km DISTANCE			
		Name		A. JUBA				Tel: 015 962 7500		DRAWING TYPE			
		Date		Prof. Reg. No.		201800344		FAX: 015 962 4020		BRIDGE/STRUCTURE No.			
				DRAWN BY						CONSULTANT DRAWING No.		TMMASH-0001-100-1003	
				NAME		TW MOLOELE				SCALE : 1:500m		VER	
												A	

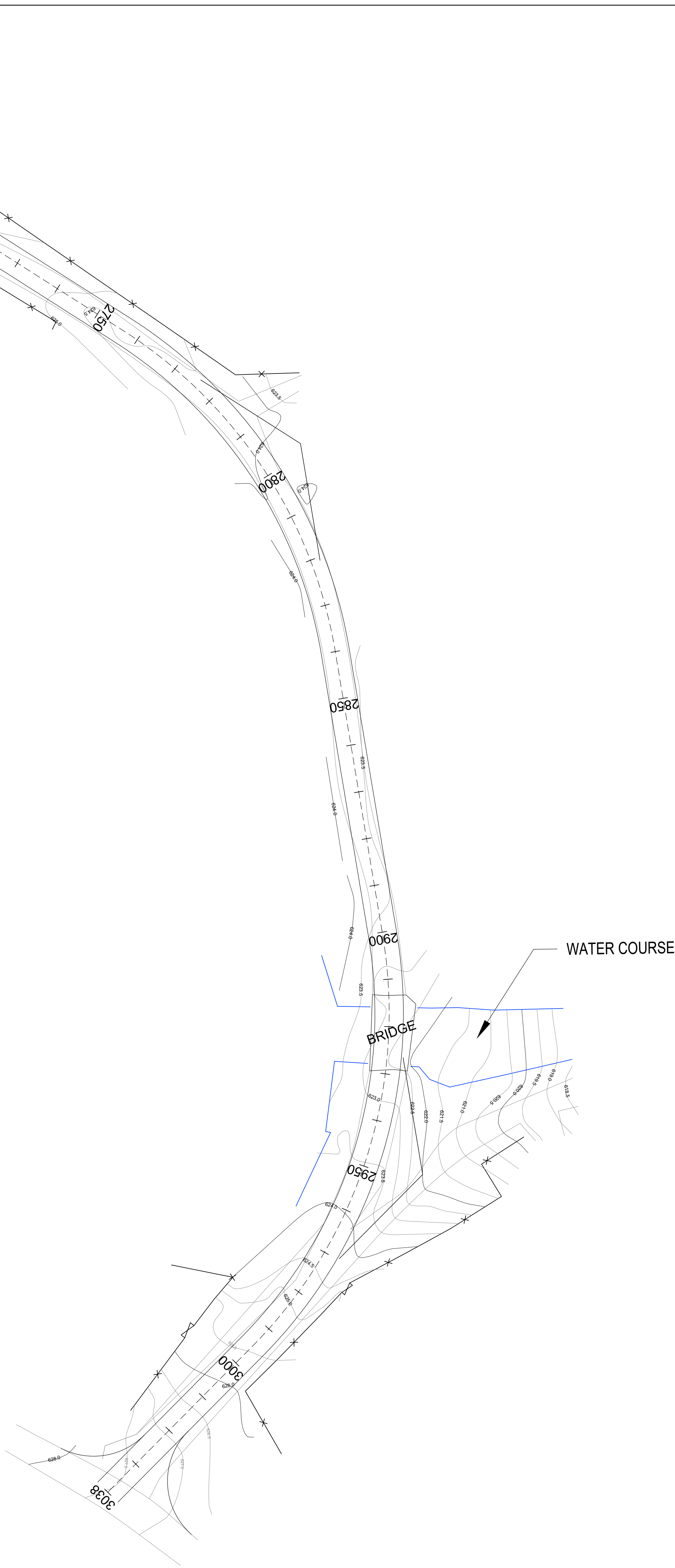
TM MASH CONSULTING
POSTAL ADDRESS:
109 STEYN STREET
POLOKWANE EXT 7
0700
Tel: 084 431 0014



EXISTING / PROPOSED SERVICES LEGEND	
	ROAD CENTERLINE
	EDGE OF ASPHALT
	BRICK PAVED ROADWAY
	MAJOR CONTOUR LINES
	MINOR CONTOUR LINES
	EXISTING BENCHMARK
	EXISTING FENCELINE
	ELECTRICAL DUCTS
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	POWER LINE
	ELECTRICAL POLE
	ELECTRICAL POLE
	ELECTRICAL BOX
	TREE
	EXISTING STORMWATER PIPE
	OUTLET
	TRAPEZOIDAL SIDE-DRAIN

GENERAL NOTES

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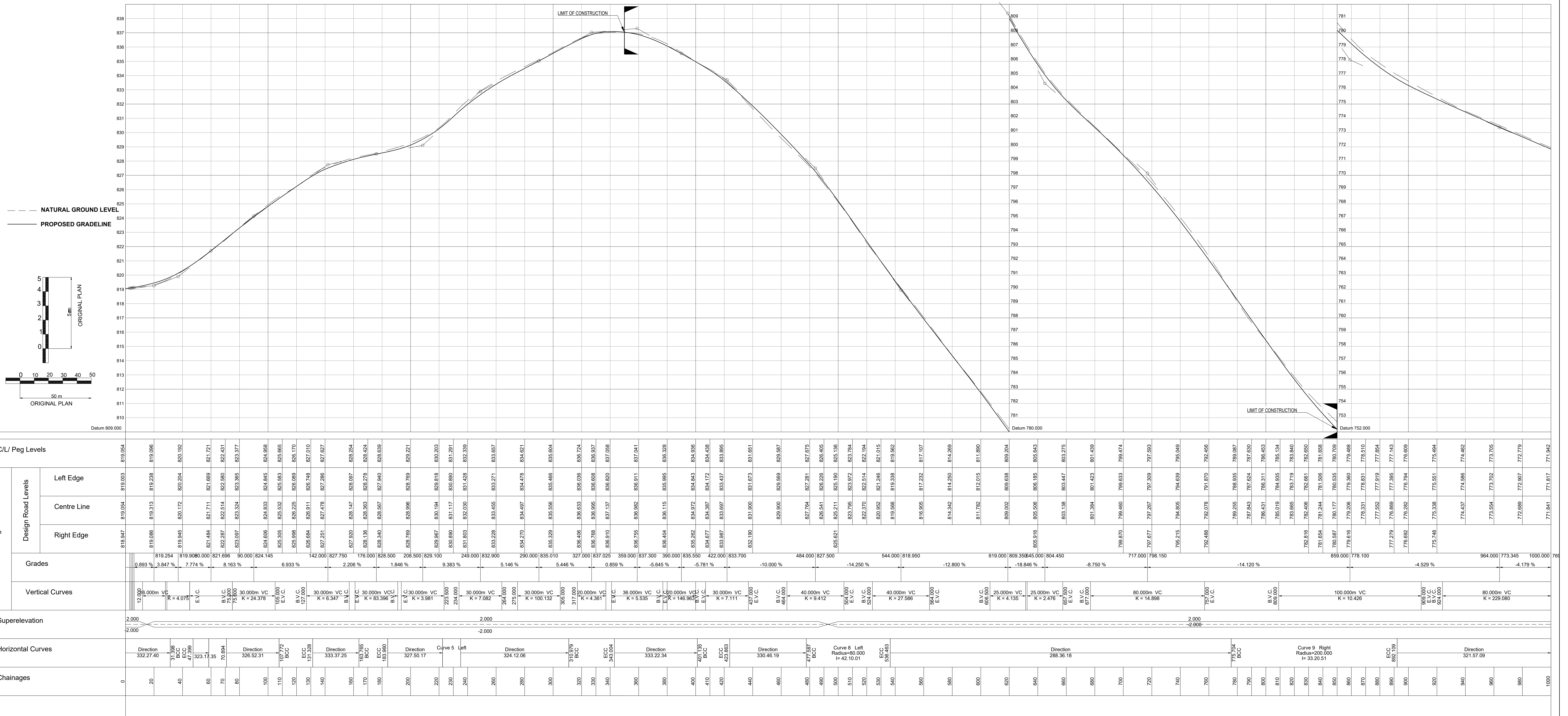
PHIPHIDI MAHA ROAD: LAYOUT PLAN KM 2000 - KM 2700
SCALE 1:500m

Print By: WILLIAM
Printed: 10 April 2026

			CONSTRUCTION RECORD (AS-BUILT)		TM MASH CONSULTING POSTAL ADDRESS: 109 STEYN STREET POLOKWANE EXT 7 0700 Tel: 084 431 0014	TM MASH CONSULTING	DESIGNED BY		CONSULTANT APPROVAL		THULAMELA LOCAL MUNICIPALITY POSTAL ADDRESS: Private Bag X5066 Thohoyandou 0950 Tel: 015 962 7500 FAX: 015 962 4020	 STREET ADDRESS: Thohoyandou Civic Center Thohoyandou 0950	PROJECT DESCRIPTION		PROJECT NUMBER		DRAWING LOCATION DATA ROUTE 0 SECTION DRAWING km DISTANCE DRAWING TYPE BRIDGE/STRUCTURE No. CONSULTANT DRAWING No. TMMASH-0001-100-1004 VER A		
			WORKS CONTRACT ENGINEER				CHECKED BY		Name : AKHONA JUBA Prof. Reg. No. : 201800344 Date : 23 / 07 / 2026				REPAIR AND CONSTRUCTION OF PHIPHIDI MAHA ROAD FROM (KM 0) TO (KM 2.4).		START 0			END 2.4km	
			THULAMELA MUNICIPALITY PROJECT MANAGER				DRAWN BY		Name : A. JUBA Prof. Reg. No. : 201800344				GENERAL LAYOUT PLAN						
No.	DATE	REVISION	Name : Date :				NAME : TW MCLOELE												
1	23/07/26	CONCEPTUAL DESIGN	A. JUBA																
			CONSULT. ENG.																

GENERAL NOTES

1. THE CONSTRUCTION OF THE ROAD STARTS AT CHAINAGE 350m AND ENDS AT CHAINAGE 850m AS SHOWN ON THE DRAWING, IT THEN STARTS AGAIN AT CHAINAGE 1220m TO AND ENDS AT 2240m.

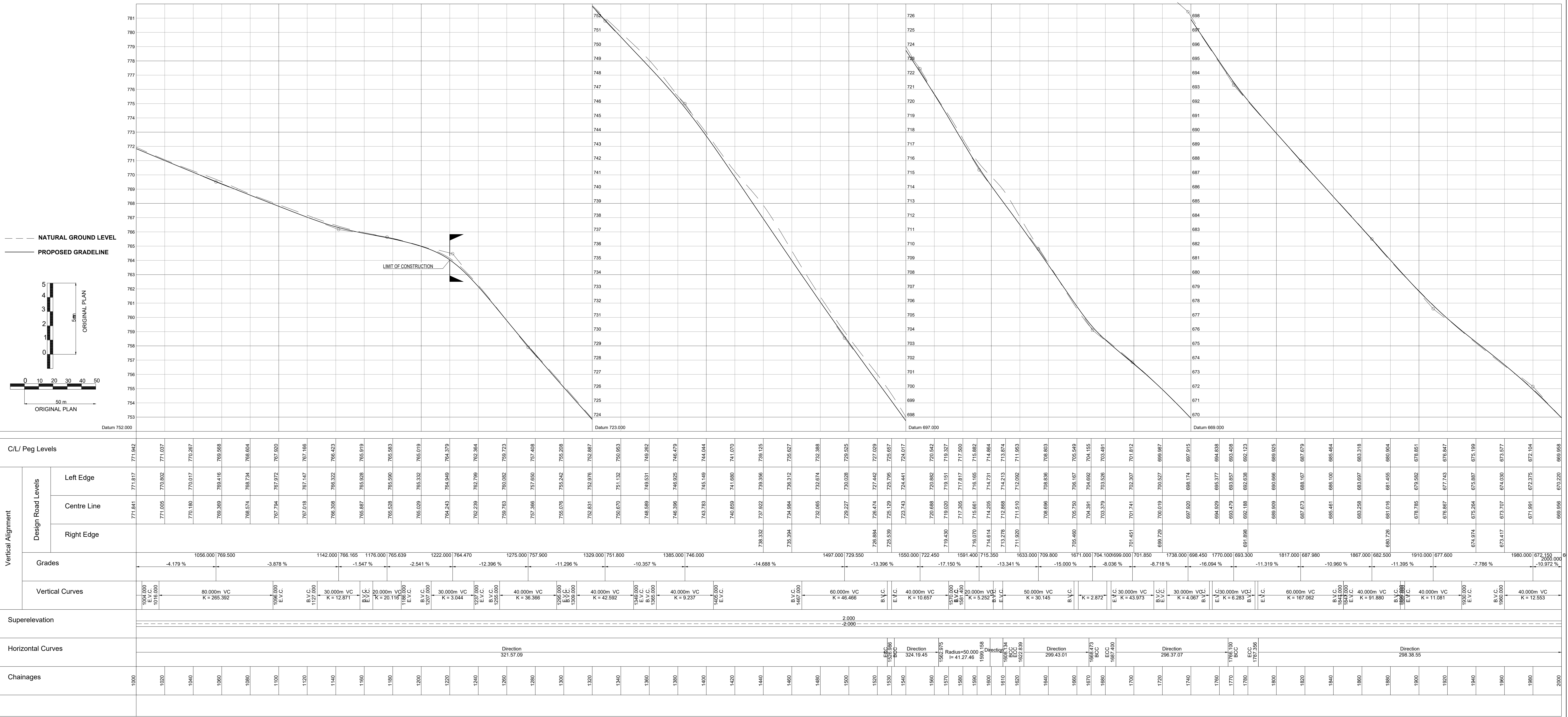


Longsection for 0 to 1000

[illegible]

GENERAL NOTES

1. THE CONSTRUCTION OF THE ROAD STARTS AT CHAINAGE 350m AND ENDS AT CHAINAGE 850m AS SHOWN ON THE DRAWING, IT THEN STARTS AGAIN AT CHAINAGE 1220m TO AND ENDS AT 2240m.

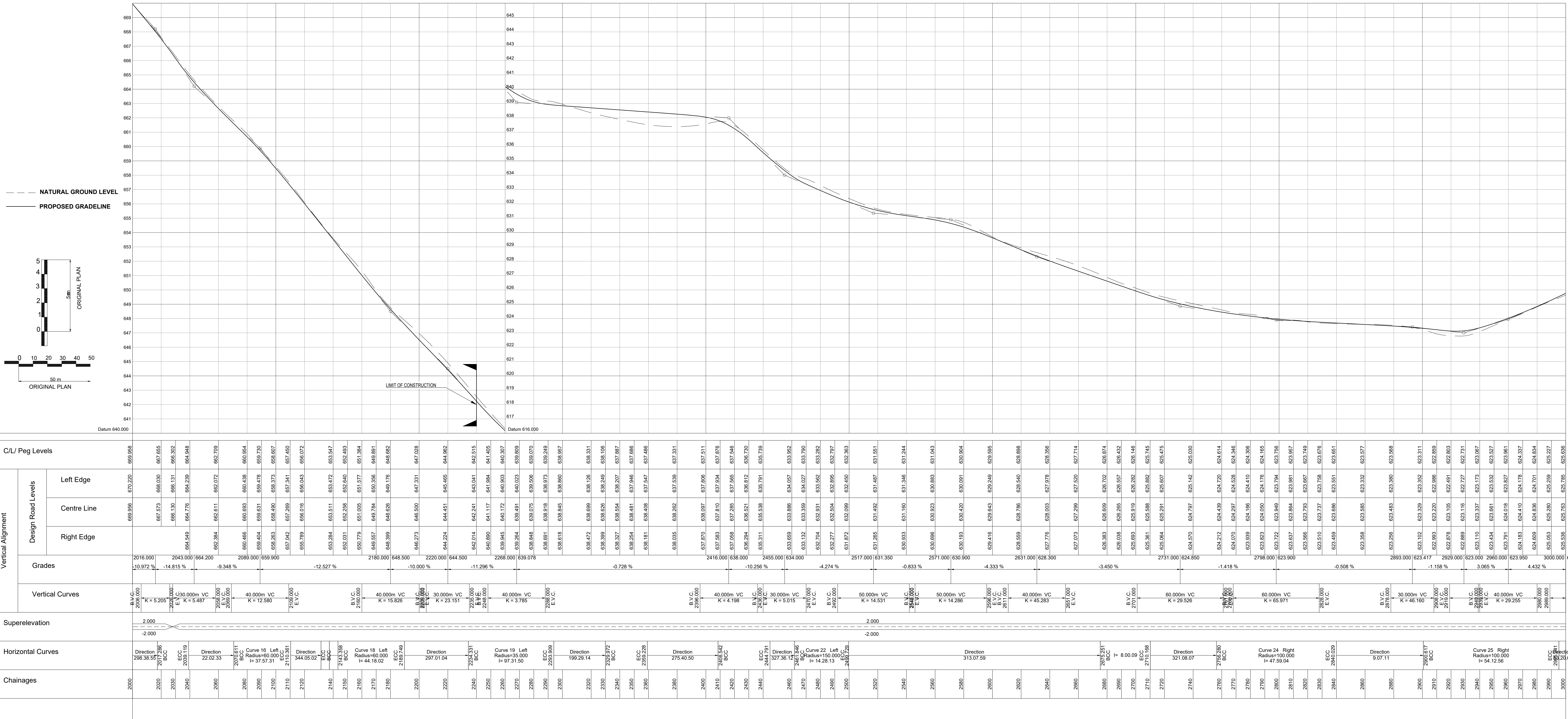


Longsection for 1000 to 2000

[illegible]

GENERAL NOTES

1. THE CONSTRUCTION OF THE ROAD STARTS AT CHAINAGE 350m AND ENDS AT CHAINAGE 850m AS SHOWN ON THE DRAWING, IT THEN STARTS AGAIN AT CHAINAGE 1220m TO AND ENDS AT 2240m.



No.	DATE	CONCEPTUAL DESIGN	REVISION	A. JUBA CONSULT. ENG.
1	23/07/26			

CONSTRUCTION RECORD (AS-BUILT)	WORKS CONTRACT ENGINEER	DESIGNED BY	CONSULTANT APPROVAL
TM MASH CONSULTING		NAME	NAME : AKHONA JUBA
POSTAL ADDRESS: 109 STEYN STREET POLOKWANE EXT 7 0700		Prof. Reg. No.	Prof. Reg. No. : 201800344
		CHECKED BY	Date : 23/07/2026
THULAMELA MUNICIPALITY PROJECT MANAGER		NAME	
		Prof. Reg. No.	A. JUBA 201800344
		DRAWN BY	
		NAME	TW MOLEOLE

THULAMELA LOCAL MUNICIPALITY		STREET ADDRESS: Thohoyandou Civic Center Thohoyandou 0950
POSTAL ADDRESS: Private Bag X5066 Thohoyandou 0950		
Tel: 015 962 7500 FAX: 015 962 4020		

PROJECT DESCRIPTION	PROJECT NUMBER	START	END
REPAIR AND CONSTRUCTION OF PHIPHIDI MAHA ROAD FROM (KM 0) TO (KM 2.4).	DRAWING LOCATION DATA	0	2.4km
LONG SECTION	ROUTE SECTION		
	DRAWING TYPE		
	BRIDGE/STRUCTURE No.		
	CONSULTANT DRAWING No.		TMMASH-0001-100-1103
SCALE : 1:1000m			VER A

GENERAL NOTES

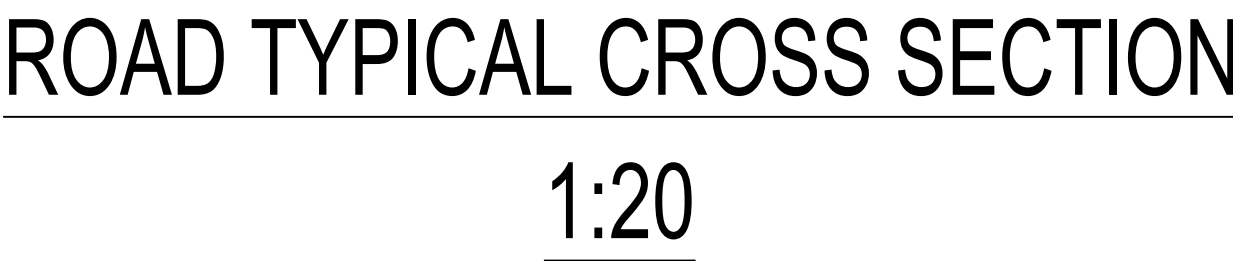
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C/L Peg Levels		625.636	626.911	627.486	
Vertical Alignment	Design Road Levels	Left Edge	625.785	626.859	627.335
		Centre Line	625.703	626.927	627.486
		Right Edge	625.536	626.700	627.259
	Grades	3004.000	625.900	627.440	
		4.432 %	6.417 %	1.252 %	
	Vertical Curves	30.000m Vertical Curve K = 15.115	626.911	E.V.C.	
Superelevation		2.000 ----- -2.000			
Horizontal Curves		Direction 63.20.07			
Chainages		3000	3020	3038.369	

Longsection for 3000 to 3038

			CONSTRUCTION RECORD (AS-BUILT)		TM MASH CONSULTING POSTAL ADDRESS: 109 STEYN STREET POLOKWANE EXT 7 0700 Tel: 084 431 0014		DESIGNED BY		CONSULTANT APPROVAL		THULAMELA LOCAL MUNICIPALITY POSTAL ADDRESS: Private Bag X5066 Thohoyandou 0950 Tel: 015 962 7500 FAX: 015 962 4020		STREET ADDRESS: Thohoyandou Civic Center Thohoyandou 0950	PROJECT DESCRIPTION REPAIR AND CONSTRUCTION OF PHIPHIDI MAHA ROAD FROM (KM 0) TO (KM 2.4).		PROJECT NUMBER		START 0	END 2.4km									
			WORKS CONTRACT ENGINEER				NAME		Name : AKHONA JUBA																			
			Name : Prof. Reg. No. : Date :				Prof. Reg. No. : 201800344 Date : 23/07/2026																					
			THULAMELA MUNICIPALITY PROJECT MANAGER				CHECKED BY							DRAWING LOCATION DATA														
			Name : Prof. Reg. No. : Date :				NAME		A. JUBA					ROUTE SECTION														
							Prof. Reg. No. : 201800344							DRAWING km DISTANCE														
							DRAWN BY		TW MOLOELE					DRAWING TYPE														
														BRIDGE/STRUCTURE No.														
														CONSULTANT DRAWING No.		TMMASH-0001-100-1104		VER	A									
														SCALE : 1:1000m														

[illegible]