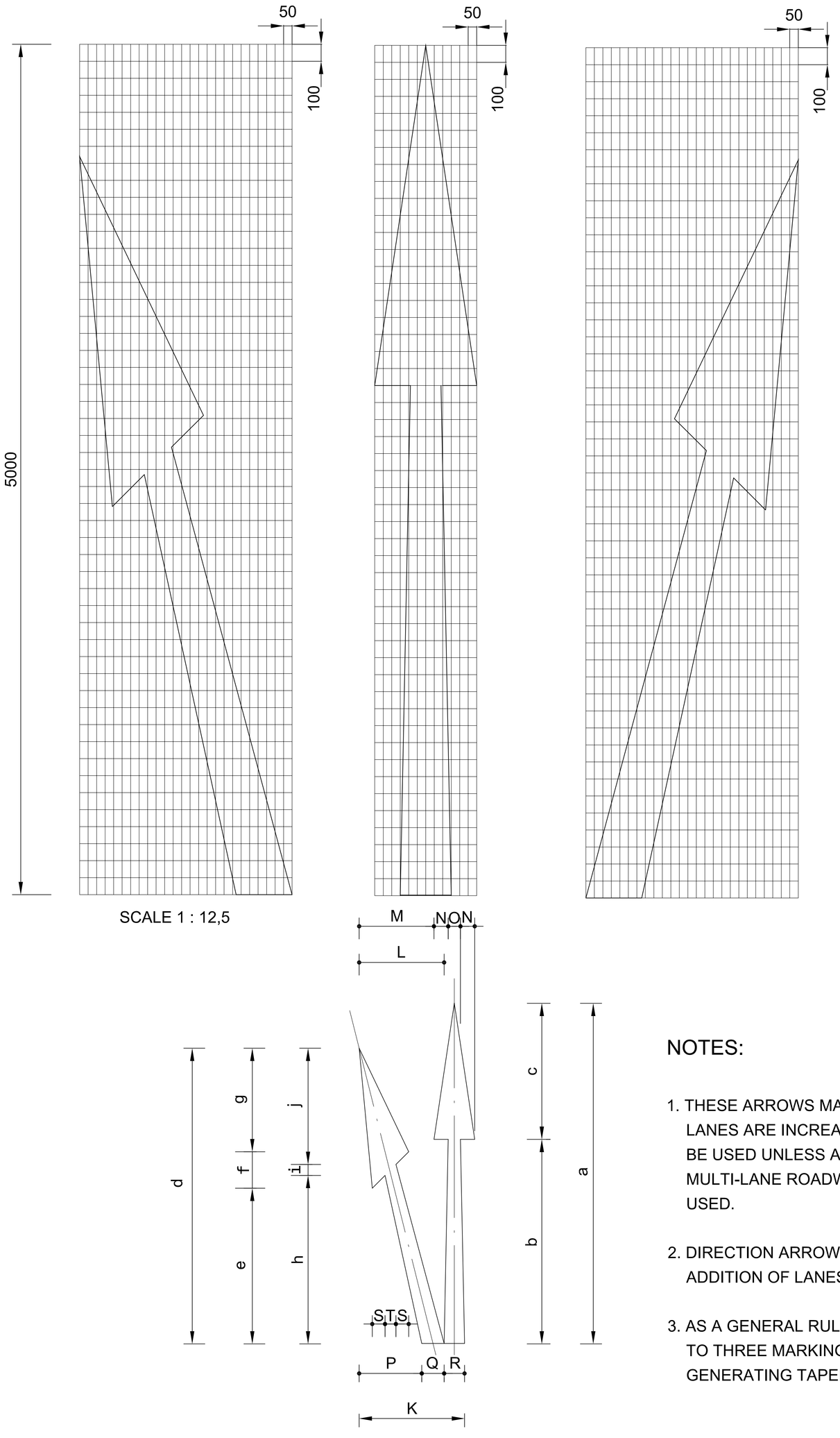
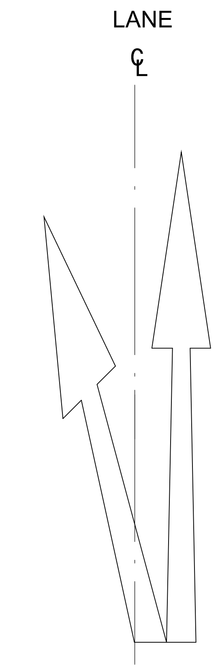
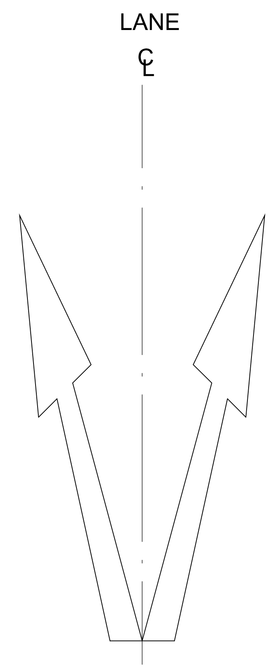
ROAD MARKINGS - BIFURCATION ARROWS



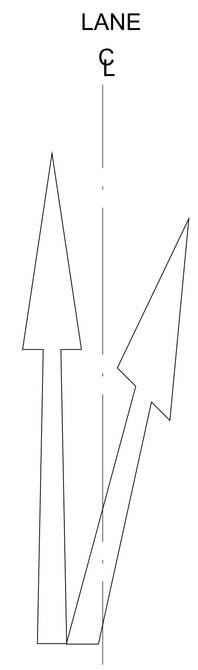
SCALE 1 : 12,5



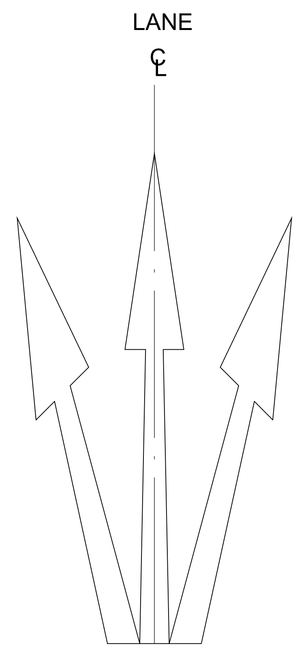
GM 3.1
LANE ADDITION LEFT



GM 3.2
LANE WIDENS TO
TWO LANES



GM 3.3
LANE ADDITION RIGHT



GM 3.4
LANE ADDITIONS LEFT
AND RIGHT

APPLICATIONS

DIMENSIONS (mm)

OPERATING SPEED km/h	TYPICAL APPLICATIONS	a	b	c	d	e	f	g	h	i	j
30 - 40	CITY CENTRE	2500	1500	1000	2170	1141	268	761	1235	81	855
50 - 60	URBAN ROADS	4000	2400	1600	3472	1826	429	1218	1976	129	1367
70 - 90	URBAN ARTERIAL ROADS/ RURAL EXPRESSWAYS	5000	3000	2000	4340	2282	536	1522	2470	161	1709
100 - 120	RURAL ROADS AND FREEWAYS	7500	4500	3000	6510	3423	804	2283	3705	242	2564

ALL OPERATING SPEEDS	K	L	M	N	O	P	Q	R	S	T
AND APPLICATIONS	1700	1250	1100	210	180	921	329	300	188	161

ARROW AREA (m²)			
a	GM3.1/GM3.3	GM3.2	GM3.4
2500	1.30	1.27	1.93
4000	2.07	2.04	3.09
5000	2.59	2.55	3.87
7500	3.89	3.82	5.80

NOTES:

1. THESE ARROWS MAY BE USED TO INDICATE THAT THE NUMBER OF LANES ARE INCREASING AHEAD. ONLY ONE SET OF ARROWS SHOULD BE USED UNLESS A LEFT AND RIGHT TURN LANE ARE ADDED TO A MULTI-LANE ROADWAY AT THE SAME POINT WHERE TWO SETS MAY BE USED.

2. DIRECTION ARROWS AHEAD SHALL NOT BE USED TO INDICATE THE ADDITION OF LANES AHEAD.

3. AS A GENERAL RULE BIFURACTION ARROWS SHOULD BE LOCATED TWO TO THREE MARKING MODULES BEFORE THE START OF THE LANE GENERATING TAPER OR CURVE.

No.	DATE	REVISION	CONSULT. ENG.
V1	21/06/2023	ORIGINAL VERSION	-

CONSTRUCTION RECORD (AS-BUILT)
WORKS CONTRACT ENGINEER
Name :
Prof. Reg. No. :
Date :
SANRAL PROJECT MANAGER
Name :
Date :

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

CONSULTANT APPROVAL
Name : -
Prof. Reg. No. : -
Date : -

HEAD OFFICE
48 Tambotie Avenue
Val de Grace
Pretoria
0184

PO Box 415
Pretoria 0001
South Africa

Tel: (012) 844 8000

SANRAL
SOUTH AFRICAN NATIONAL ROADS AGENCY SOC LTD
Reg No. 1998/009884/30
BUILDING SOUTH AFRICA THROUGH BETTER ROADS

NORTHERN REGION
38 Ida Street
Menlo Park
Pretoria
0081

Private Bag X17
Lynnwood Ridge
0040

Tel: (012) 426 6200

ACCEPTANCE
THIS ACCEPTANCE IS FOR PROCEDURAL AND ADMINISTRATIVE REVIEW PURPOSES ONLY AND DOES NOT ATTRACT LEGAL LIABILITY OR LIABILITY OF ANY KIND FROM WHATSOEVER CAUSE OR HOWEVER ARISING

for the SA NATIONAL ROADS AGENCY SOC LTD.
Date:

PROJECT DESCRIPTION
MSBBR : R531 SECTION 2 - EMERGENCY REPAIR OF DAMAGED STEEL RIBBED PIPE CULVERT AT km 6.9 AND SINKHOLE AT km 11.4

DRAWING DESCRIPTION
ROAD MARKINGS
BIFURCATION ARROWS

SCALE : AS SHOWN (A0 SHEET) | SHEET 2 OF 2

PROJECT NUMBER	R.531-020-2023/1	
DRAWING LOCATION DATA	START	END
ROUTE	R531	R531
SECTION	2	2
DRAWING km DISTANCE	km 6.90	km 11.40
DRAWING TYPE	ROADS - ANCILLARY	
BRIDGE/STRUCTURE No.	-	
CONSULTANT DRAWING No.	TP1916.32-D04	VER V1
SANRAL DOCUMENT #	-	

DRAWING TP1916.32-D04