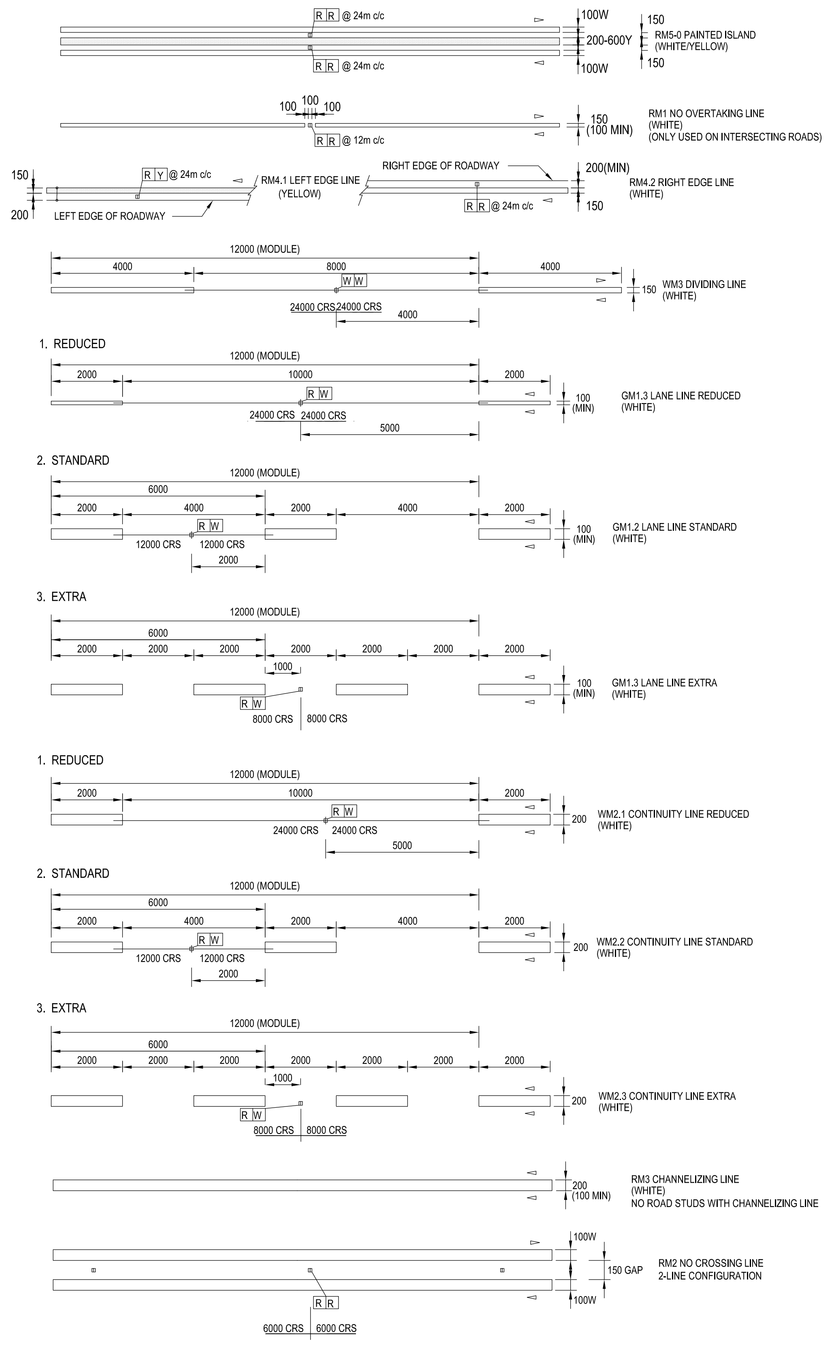


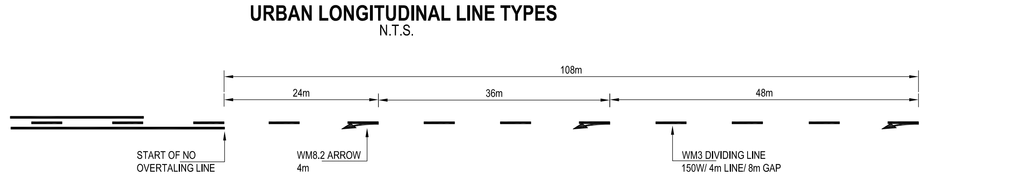
URBAN LONGITUDINAL LINE TYPES
N.T.S.

NOTES:(RURAL LONGITUDINAL LINE TYPES)

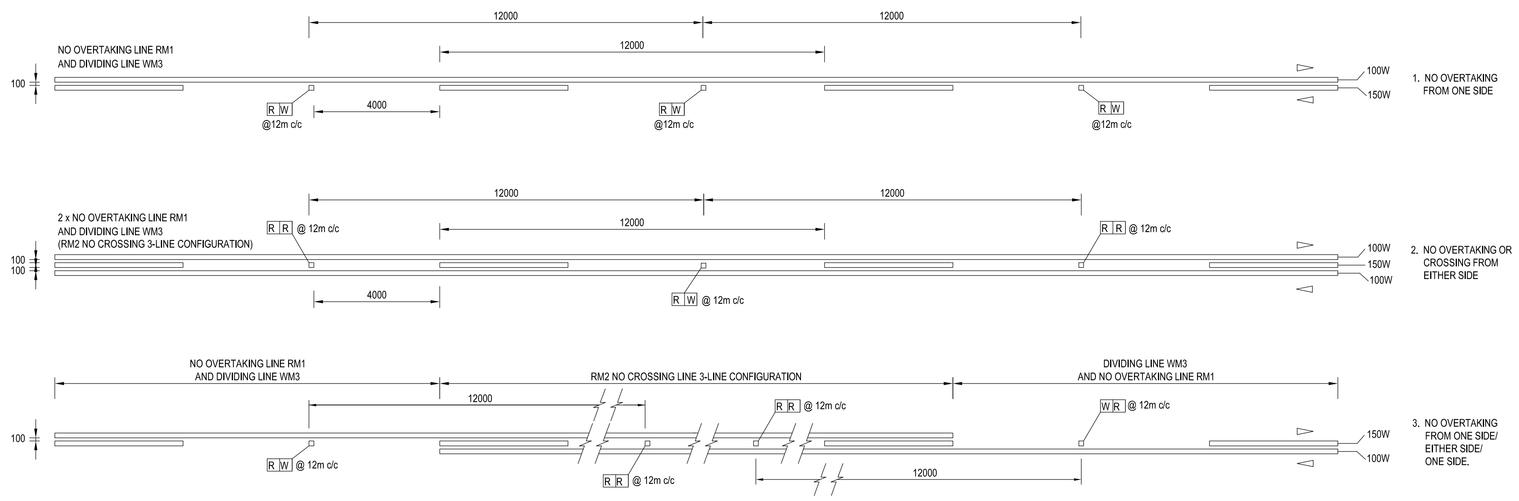
1. DIRECTION OF TRAFFIC MOVEMENT WITH RESPECT TO THE MARKING INDICATED THUS ▷ OR ◁ .
2. PAINTED ISLAND MARKINGS SHALL BE USED AS A STANDARD DIVIDING MARKING ON ALL 4-LANE 2-WAY ROADWAYS.
3. A NO OVERTAKING LINE MAY BE USED TO REPLACE A DIVIDING LINE MARKING ON MINOR ROADS OR TO MATCH PROVINCIAL ROAD MARKING POLICY ON AN INTERSECTING ROADWAY AS APPROPRIATE. A NO OVERTAKING LINE MAY BE USED IN COMBINATION WITH A LANE LINE. (NORMALLY ON A FREEWAY CARRIAGEWAY.)
4. A LEFT EDGE LINE MARKING SHALL NOT EXTEND ACROSS THE POINT OF DEPATURE FROM A THROUGH PORTION OF ROADWAY.
5. THE DIVIDING LINE MARKING REPLACES THE PREVIOUS "CENTRE LINE" MARKING AND SHALL ONLY BE USED BETWEEN LANES CARRYING OPPOSING TRAFFIC FLOWS WHERE OVERTAKING IS PERMITTED.
6. A CONTINUITY LINE MAY BE SPECIFIED IN ONE OF THREE DENSITIES - 1. REDUCED 2. STANDARD OR 3. EXTRA. A CONTINUITY LINE MAY BE USED TO DEFINE THE LIMIT OF THE THROUGH PORTION OF A ROADWAY, EITHER AT A HIGH SPEED EXIT (OFF-RAMP OR SLIP ROAD), A DEDICATED EXIT LANE ON FREEWAY , OR AT-GRADE ROAD, (RIGHT OR LEFT TURN.)
7. A LANE LINE, CONTINUITY LINE OR CHANNELIZING LINE SHALL NOT BE USED BETWEEN OPPOSING TRAFFIC MOVEMENTS.

LEGEND:

R = RED
W = WHITE
Y = YELLOW



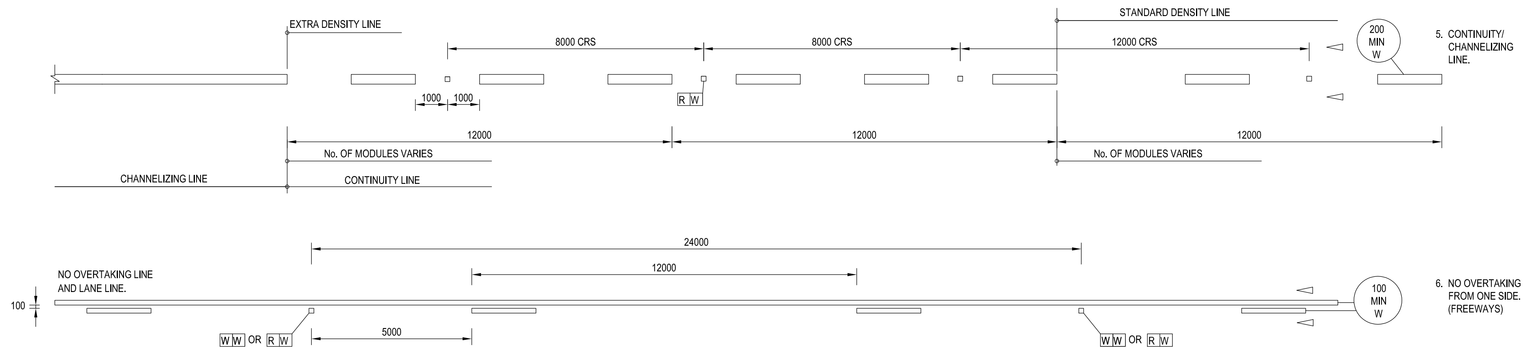
NO OVERTAKING OR NO CROSSING AHEAD ARROW PLACEMENT
N.T.S.



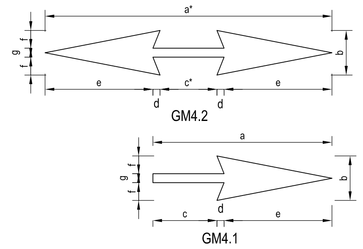
RURAL CENTRE LINE COMBINATIONS : TWO-WAY OPPOSING TRAFFIC
N.T.S.

NOTES: (LONGITUDINAL LINE COMBINATIONS)

1. DIRECTION OF TRAFFIC MOVEMENT WITH RESPECT TO THE MARKING INDICATED THUS ▷ OR ◁.
2. COMBINATION MARKING 1 TO 3 ARE FOR TWO WAY TRAFFIC AND ARE APPLICABLE TO NATIONAL NON-FREEWAY ROUTES.
3. COMBINATION MARKING 4 SHALL BE USED TO INDICATE THE DIVISIONS BETWEEN THE THROUGH ROADWAY AND ANY EXCLUSIVE EXIT/TURN LANES. WHEREVER POSSIBLE A CONTINUITY LINE SHOULD LEAD TO, OR TERMINATE IN A CHANNELIZING LINE WHICH MAY BE SHORT. RECOMMENDED MINIMUM LENGTH IS 12m FOR RURAL AND 9m FOR URBAN APPLICATIONS.
4. FOR MARKINGS 1 TO 3 ROAD STUDS SHOULD BE LOCATED ON CENTRE LINE OF THE DIVIDING LINE.
5. WHERE POSSIBLE THE LENGTH OF CHANNELIZING MARKING SHOULD BE ADJUSTED SO THAT THE CONTINUITY LINE ROADSTUDS MATCH OTHER ROADSTUDS ON CROSS-SECTION AND FALL IN THE CENTRE OF A GAP IN THE CONTINUITY LINE.



RURAL LONGITUDINAL LINE COMBINATIONS : TWO LANES IN THE SAME DIRECTION
N.T.S.



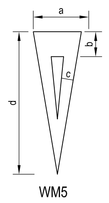
GM4.2

GM4.2 REVERSIBLE FLOW ARROW / GM4.1 INFORMATION ARROW

DIMENSIONS (mm)

OPERATING SPEED km/h	TYPICAL APPLICATIONS	a	a*	b	c	c*	d	e	f	g
30 - 40	CITY CENTRE	1250	2000	1250	450	400	50	750	500	250
50 - 60	URBAN	2500	4000	1250	900	800	100	1500	500	250
70 - 90	URBAN ARTERIAL/RURAL EXPRESSWAY	4000	6400	1250	1440	1280	160	2400	500	250
100 - 120	RURAL AND FREEWAYS	5000	8000	1250	1800	1600	200	3000	500	250

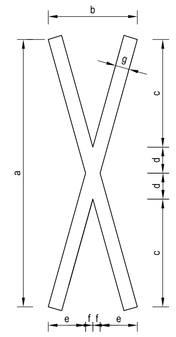
GM4.1



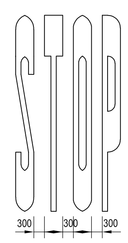
MARKING	a	AREA m²	a*	AREA
WM1	4000	1,84		
	7500	6,00		
GM4.1/ GM4.2(a*)	1250	0,59	2000	1,05
	2500	1,17	4000	2,10
	4000	1,88	6400	3,36
	5000	2,35	8000	4,20
WM5	450	0,20		
	850	0,83		
	1350	2,15		
GM7	5500	6,30		

NOTES:

1. THIS DRAWING DETAILS A RANGE OF GENERAL WARNING OR GUIDANCE SYMBOLS. APPLICATION SHALL BE IN ACCORDANCE WITH THE SOUTH AFRICAN ROAD TRAFFIC SIGNS MANUAL.
2. MARKING WM5 - YIELD CONTROL AHEAD MAY BE REPEATED 1m FROM THE YIELD LINE MARKING.



WM1 RAILWAY LEVEL CROSSING AHEAD



GM 7 STOP

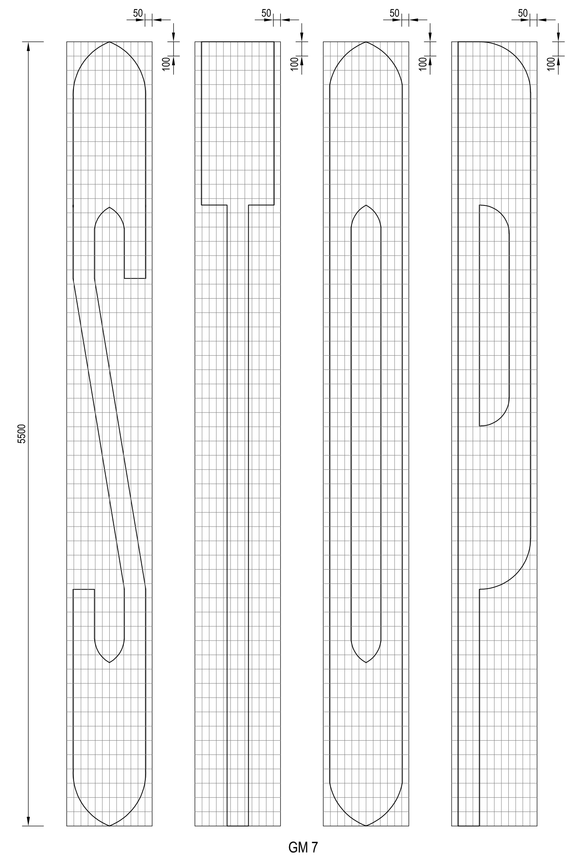
WM5 YIELD CONTROL AHEAD

DIMENSIONS (mm)

OPERATING SPEED km/h	TYPICAL APPLICATIONS	DISTANCE FROM YIELD LINE	a	b	c	d
30 - 40	CITY CENTRE	90m	450	250	100	1250
50 - 60	URBAN	120m	850	450	150	2500
70 - 120	RURAL	155m	1350	700	250	4000

DIMENSIONS (mm)

TYPICAL APPLICATIONS	a	b	c	d	e	f	g
URBAN	4000	2500	1797	203	1135	115	200
RURAL	7500	2500	3003	747	1042	208	400



GM 7

GENERAL SYMBOLS
N.T.S.

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. 1998/022606/30
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

TYPICAL DETAILS OF ROAD MARKINGS
RURAL - SHEET 1 OF 2

SCALE : AS SHOWN (A0 SHEET) | SHEET 1 OF 2

	START	END
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-D01	VER V1
SANRAL DOCUMENT #	-	

DRAWING TP1916.32-D01