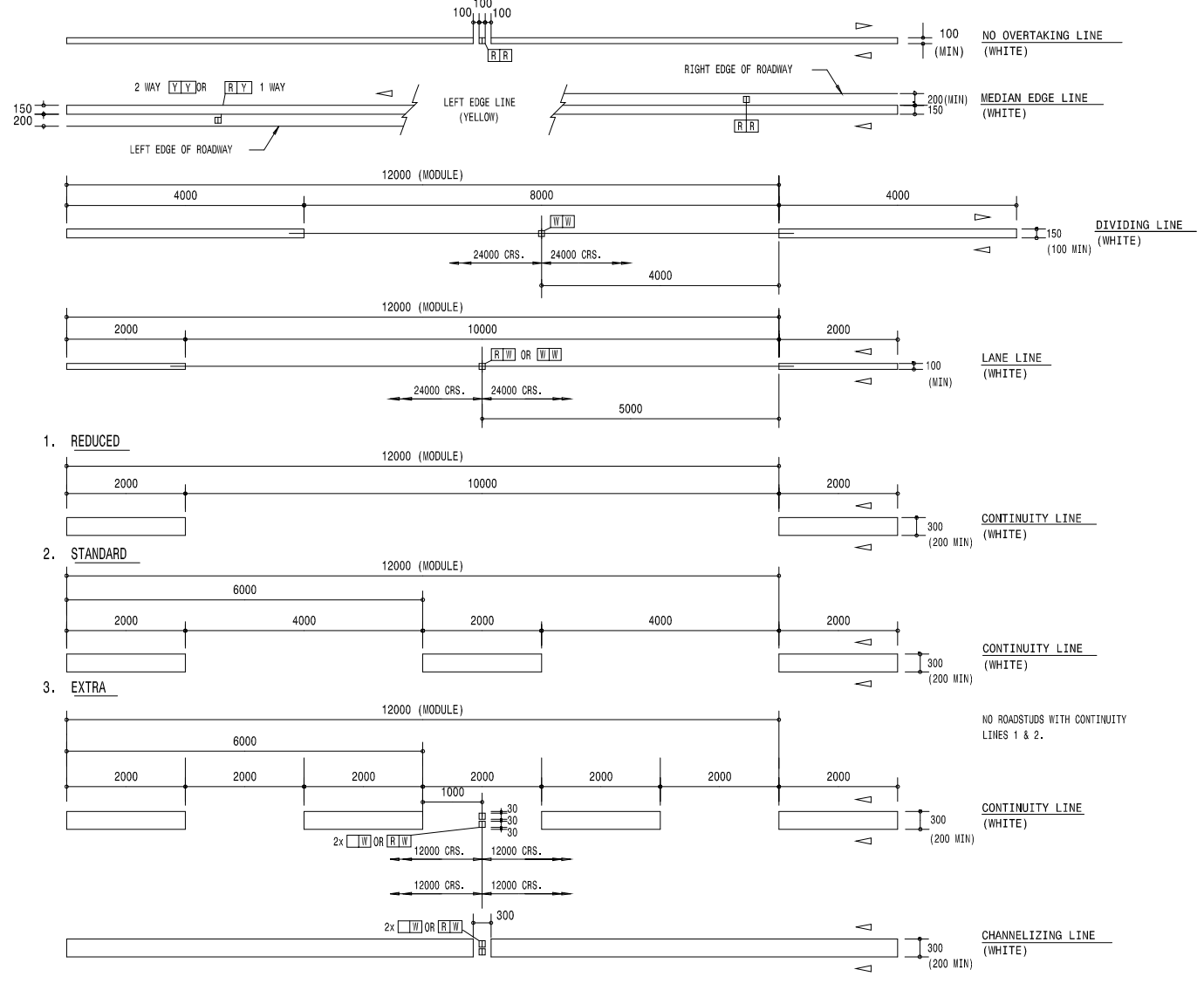
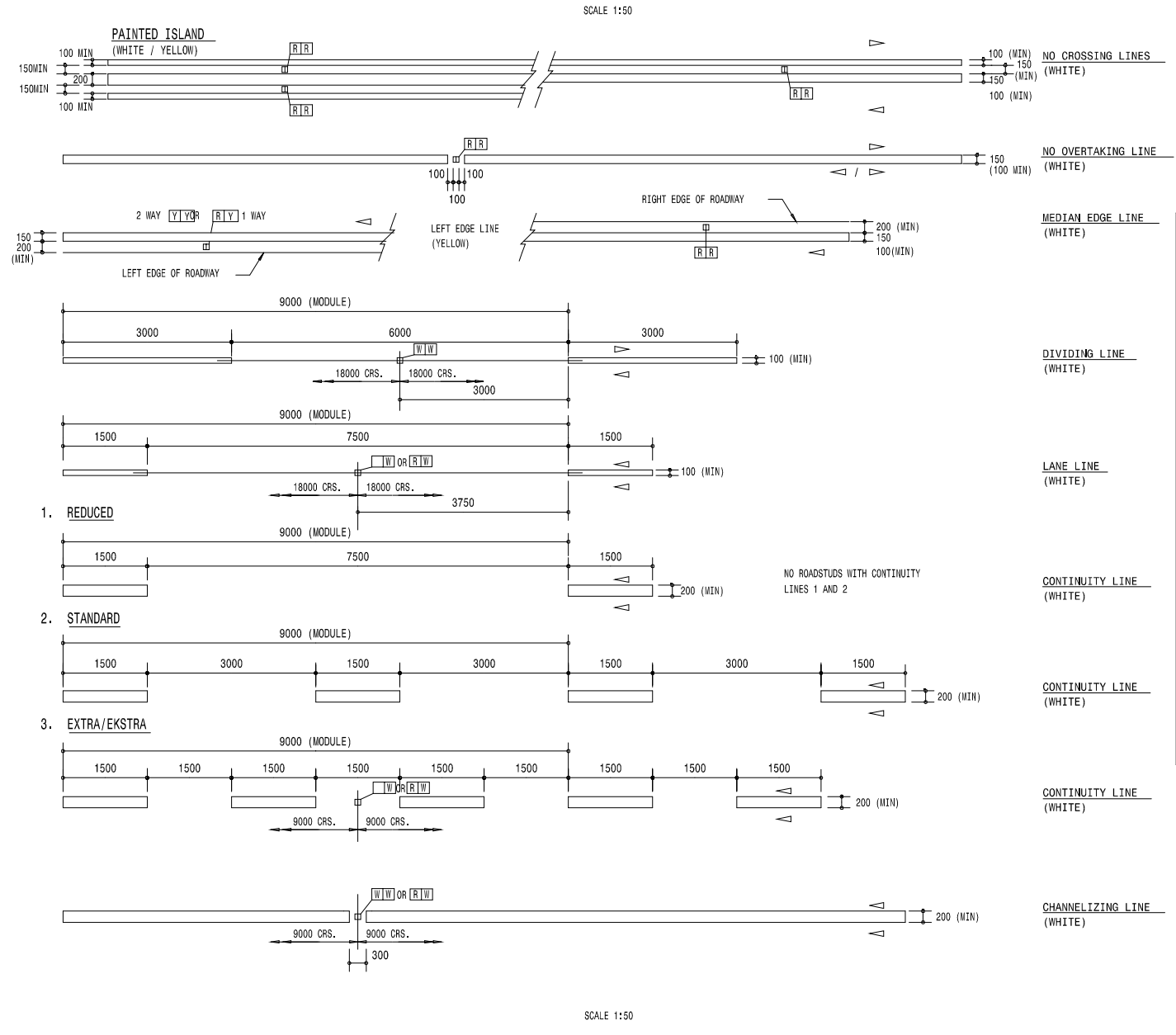
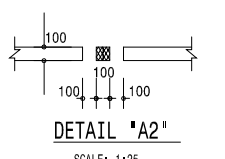
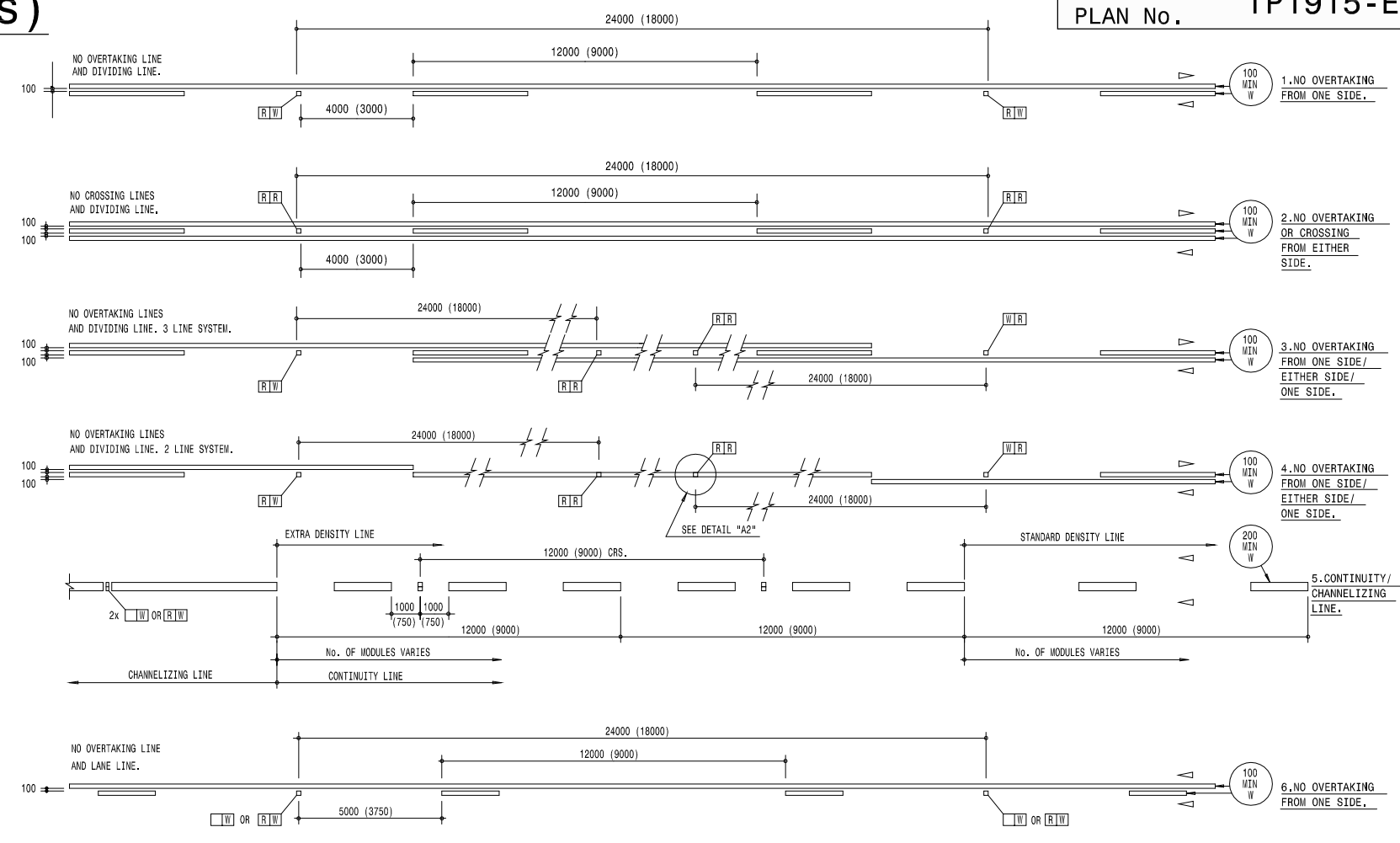


ROAD MARKING DETAILS (Sheet 1 of 2 Sheets)

FOLLOWING PLAN No. TP1915-E2

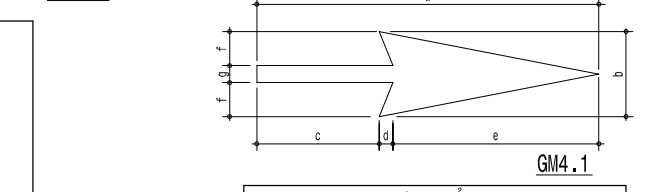
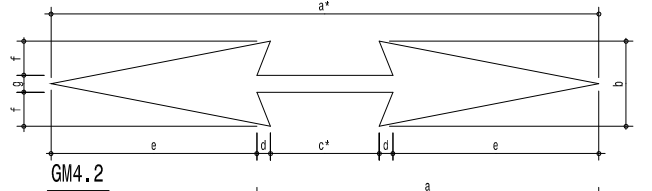


LEGEND:
R = RED
W = WHITE
Y = YELLOW



NOTES: (URBAN LONGITUDINAL LINE TYPES)

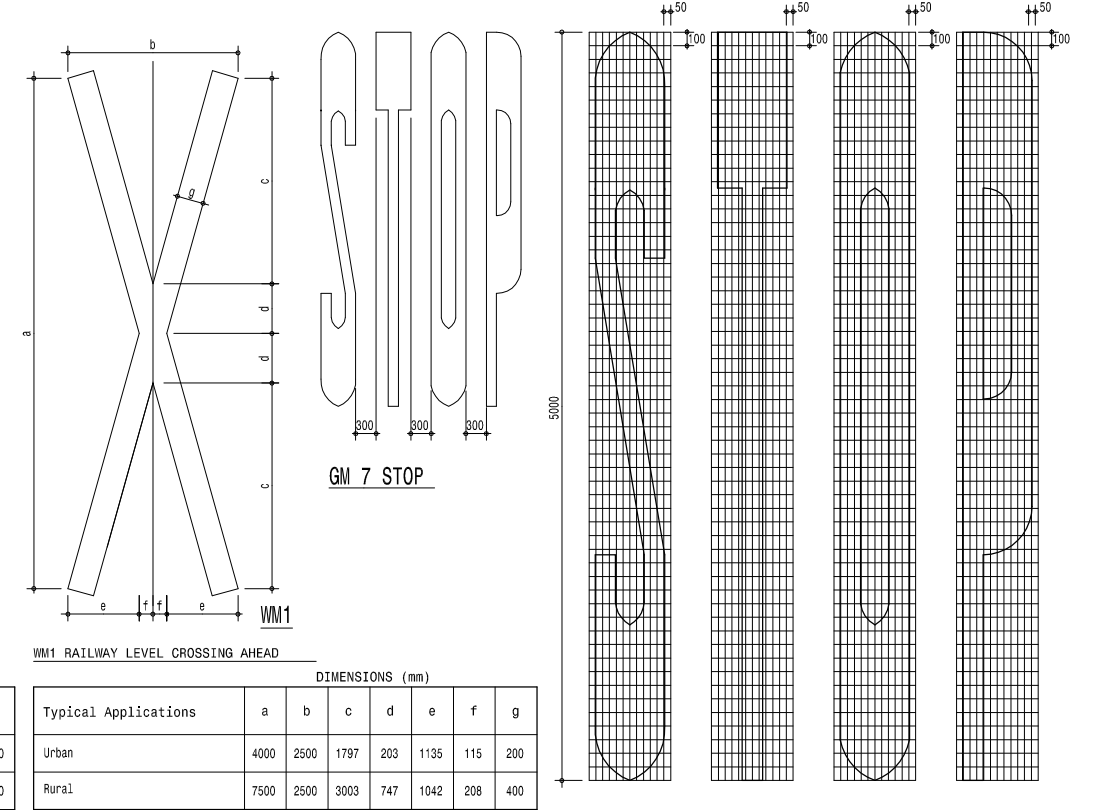
- DIRECTION OF TRAFFIC MOVEMENT WITH RESPECT TO LINE MARKING INDICATED THIS WAY → ←
- A NO CROSSING LINE MAY BE USED AS A FORM OF DIVIDING LINE MARKING, IN PLACE OF A NO OVERTAKING LINE, TO PROHIBIT ACCESS TO OR FROM PROPERTIES AT THE SIDE OF AN URBAN ROAD. A PAINTED ISLAND MAY BE USED AS AN ALTERNATIVE MARKING FOR THIS PURPOSE.
- A NO OVERTAKING LINE MAY BE USED TO REPLACE A DIVIDING LINE MARKING TO PROHIBIT OVERTAKING IN THE PATH OF ON-COMING TRAFFIC. A NO OVERTAKING LINE MAY BE USED IN COMBINATION WITH A LANE LINE.
- LEFT EDGE LINE MARKING SHALL NOT EXTEND ACROSS THE POINT OF DEPARTURE FROM A THROUGH PORTION OF ROADWAY.
- A RIGHT EDGE LINE MARKING IS ONLY REQUIRED TO DEMARKATE AN UNKERBED MEDIAN, (A MEDIAN QUADRANT OR CONCRETE SEPARATOR BARRIER DOES NOT CONSTITUTE A KERBED MEDIAN).
- THE DIVIDING LINE MARKING REPLACES THE PREVIOUS 'CENTRE LINE' MARKING AND SHALL ONLY BE USED BETWEEN LANES CARRYING OPPOSING TRAFFIC FLOWS WHEN OVERTAKING IS PERMITTED.
- A CONTINUITY LINE MAY BE SPECIFIED IN ONE OF THREE DENSITIES - 1. REDUCED, 2. STANDARD OR 3. EXTRA, THROUGH PORTION OF A ROADWAY EITHER AT A HIGH SPEED EXIT (OFF-RAMP OR SLIPROAD), A DEDICATED EXIT LANE ON A FREEWAY, OR AT-GRADE ROAD (RIGHT OR LEFT TURN).
- A CHANNELIZING LINE MAY BE USED AS AN EXTENSION OF A CONTINUITY LINE OR INSTEAD OF A PAINTED ISLAND TO CHANNELIZE TRAFFIC MOVEMENT WHERE SPACE IS LIMITED.
- A LANE LINE, CONTINUITY LINE OR CHANNELIZING LINE SHALL NOT BE USED BETWEEN OPPOSING TRAFFIC MOVEMENTS.
- THE WIDTHS OF LINES SHOWN ARE RECOMMENDATIONS ONLY (SEE LONGITUDINAL LINE COMBINATIONS.)



Marking	Area m ²	
	a	a'
WM1	4000	1.64
	7500	6.00
WM5	1250	0.39
	2500	1.57
GM4.1	4000	1.58
	5000	2.35
WM5	450	0.20
	850	0.63
GM7	1350	2.15
	5500	6.90

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.

Operating Speed km/h	Typical Applications	DIMENSIONS (mm)								
		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



Operating Speed km/h	Typical Applications	Distance from Yield line	DIMENSIONS (mm)			
			a	b	c	d
30 - 40	City Centre	90m	450	250	100	1250
50 - 60	Urban	120m	800	450	150	2500
70 - 120	Rural	150m	1350	700	250	4000

GM 7
SCALE: 1:25

CONSTRUCTION RECORD (AS-BUILT) WORKS CONTRACT ENGINEER Name: _____ Prof. Reg. No.: _____ Date: _____		SNA CIVIL AND STRUCTURAL ENGINEERS (Pty) Ltd SNAVA BUILDING 285 ALBERTUS STREET LA MONTAGNE 0184 P.O. Box 7277 LYNNWOOD RIDGE 0040 Tel: 012-462 0000 Fax: 012-463 4429 e-mail: pta@sna.co.za web: www.sna.co.za		TRANS AFRICAN CONCESSIONS (PTY) LTD BLOCK 8 THORNHILL OFFICE PARK 94 BEKKER ROAD MIDRAND PO Box 10817 VORWA VALLEY 1686 Tel: 011-805 8788 Fax: 011-805 8789 gretel@trac.co.za www.trac.co.za		DESIGNED BY NAME: G. LOUBSER Prof. Reg. No.: 860369 CHECKED BY: _____ NAME: J.W. STOLTZ Prof. Reg. No.: 900512 DRAWN BY: L.V.D. MERWIE		CONSULTANT APPROVAL Name: J.W.B. STOLTZ Prof. Reg. No.: 980512 Date: APRIL 2016		HEAD OFFICE 48 Tambora Avenue Val de Grace Pretoria 0184 PO Box 415 Pretoria 0001 South Africa Tel: (012) 844 8000		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 MAPUTO DEVELOPMENT CORRIDOR (MDC) PRETORIA TO LEBOMBO BORDER POST ROUTINE ROAD MAINTENANCE DRAWING DESCRIPTION ROAD MARKING DETAILS (Sheet 1 of 2 Sheets)		PROJECT NUMBER TRAC/MAINT-2019-01 DRAWING LOCATION DATA ROUTE: _____ SECTION: _____ DRAWING DISTANCE: _____ DRAWING TYPE: _____ BRIDGE/STRUCTURE No. CONSULTANT DRAWING No. SANRAL DOCUMENT #		START END PRETORIA LEBOMBO BORDER ROADS - TYPICAL DETAILS SNA-TP1915-E1 VER V1	
V1 No. DATE REVISION		G. LOUBSER CONSULT. ENG.		G. LOUBSER Prof. Reg. No.: 860369 Date: _____		J.W. STOLTZ Prof. Reg. No.: 900512 Date: _____		J.W.B. STOLTZ Prof. Reg. No.: 980512 Date: APRIL 2016		SCALE: AS SHOWN (A0)		SHEET 1 OF 2		SANRAL DOCUMENT #							