

TABLE 1 : SETTING OUT POSITIONS OF GUARDRAIL POSTS											
	TERMINAL SECTION: TYPE A : L=34.29m					TERMINAL SECTION: TYPE B : L=19.050m					
	POST No.	HORIZONTAL OFF-SET X(mm)	VERTICAL OFF-SET Y(mm)		POST No.	HORIZONTAL OFF-SET X(mm)	VERTICAL OFF-SET Y(mm)				
	1	0	0	Щ	6	0	0				
日日	2	19	0	SIDE	5	60	36				
APPROACH SIDE	3	74	0	DEPARTING	4	240	144				
AC	4	167	0	١RT	3	540	324				
S	5	296	0	EP/	2	960	576				
APF	6	463	36	Q	1	1500	900				
	7	667	144								
	8	907	324								
	9	1185	576								
	10 1500 900										

TABLE 2							
MIN LENGTH OF GUARDRAIL REQUIRED (EXCLUDING TERMINAL SECTIONS)							
DESIGN SPEED km/h	MIN LENGTH						
60	12 SECTIONS (45.72m)						
70	14 SECTIONS (53.34m)						
80	16 SECTIONS (60.96m)						
90	20 SECTIONS (76.20m)						
100	23 SECTIONS (87.63m)						
110	27 SECTIONS (102.87m)						
120	29 SECTIONS (110.49m)						
130	32 SECTIONS (121.92m)						
140	35 SECTIONS (133.35m)						

<u>NOTES</u>

- CLOSEST PERMISSIBLE POSITION OF CATCHPIT TO ENDBLOCK ie. NO CATCHPIT PERMITTED BETWEEN POST No. 1 AND ENDBLOCK.
- 2. REFER TO SANRAL TYPICAL DRAWING TD-S-P-5003-1-V1 FOR DETAILS OF GUARDRAIL TO ENDBLOCK CONNECTION AND GUARDRAIL APPROACH AND DEPARTURE DETAILS.

PROJECT NUMBER

DRAWING LOCATION DATA

SECTION
DRAWING km DISTANCE

DRAWING TYPE
BRIDGE/STRUCTURE No.

CONSULTANT DRAWING No. FA PM05-T-454

SANRAL DOCUMENT # TENDER PURPOSES ONLY

N.010-050-2020/3

START END

ROADS - ANCILLARY WORKS

3. GUARDRAIL SPACING = 3.810m.

			CONSTRUCTION RECORD		Regus Business Centre Ground Floor, Uni		DESIGNED BY	CONSULTANT APPROVAL	HEAD OFFICE		WESTERN REGION	<u>ACCEPTANCE</u>	PROJECT DESCRIPTION
		7	WORKS CONTRACT ENGINEER		Park Building, 082 Vodacom Lane, Nobel Street,	NAME	Gret van Niekerk		48 Tambotie Avenue	SANRAL		THIS ACCEPTANCE IS FOR PROCEDURAL AND	THE PERIODIC MAINTENANCE (REPAIR AND RESEAL)
		_		- 	Brandwag, Bloemfontein, 9301	IVANIL	<u> </u>	Name : Gret van Niekerk	Val de Grace	SOUTH AFRICAN NATIONAL ROADS AGENCY SOC LTD	1 Havenga Street Oakdale	ADMINISTRATIVE REVIEW PURPOSES ONLY	OF NATIONAL ROUTE 10 SECTION 5
		Name Prof. I	e : Gret van Niekerk Reg. No. : 790095		P.O. Box 26268 Langenhovenpark	Prof. Reg. No.	790095	Prof. Reg. No. : 790095	Pretoria		Bellville	AND DOES NOT ATTRACT LEGAL LIABILITY OR	FROM LUIPERTSKOP (km 40.00) TO HANOVER (km 62.17)
		Date	: 2022/10/31		9330		CHECKED BY	Date : 2022/10/31	0184		7530	LIABILITY OF ANY KIND FROM WHATSOEVER CAUSE OR HOWEVER ARISING	DRAWING NAME
		<u> </u>	SANRAL PROJECT MANAGER			NAME	Gret van Niekerk		PO Box 415 Pretoria 0001		Private Bag X19 Bellville	CAUSE ON HOWEVER ANISING	GUARDRAILS
				CONSULTING	E-mail: info@gaconsulting.co.za Website:	NAME	Olet vall Niekelk		South Africa	Reg.No.1998/008584/39	7535		PLACING DETAIL AT BRIDGE APPROACHES AND HIGH FILL
V1 30/09/2022	ORIGINAL VERSION	Name	e : Imelda Julies		www.qaconsulting.co.za	Prof. Reg. No.	790095		Tel: (012) 844 8000	BUILDING SOUTH AFRICA THROUGH BETTER ROADS	Tel: (021) 957 4600	for CEO: SA NATIONAL ROADS AGENCY SOC LTD.	(SINGLE CARRIAGEWAY)
No. DATE	REVISION	CONSULT. Date	: 2022/10/31	Registration No: 2017/026970/07	Tel: 051 101 2312	NAME	DRAWN BY Leoni Coffee				(=1,001 1000	Date:	SCALE: AS SHOWN SHEET 5 OF 5