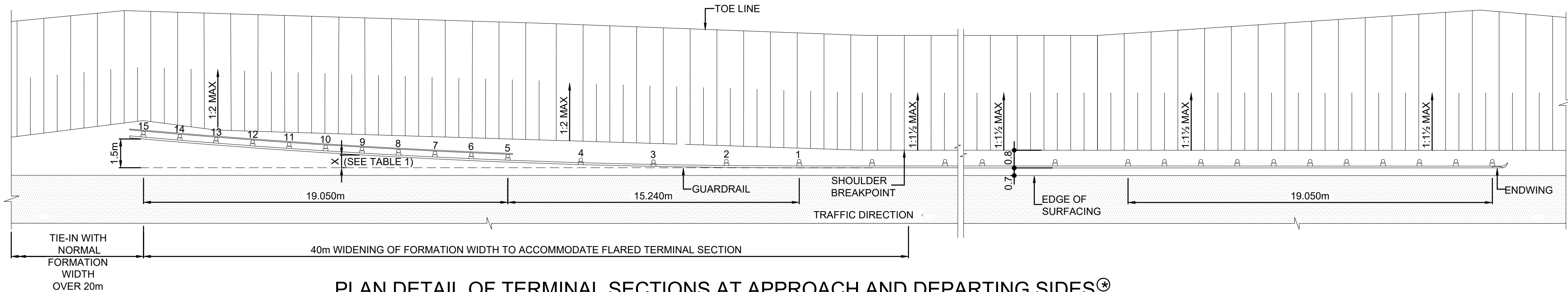
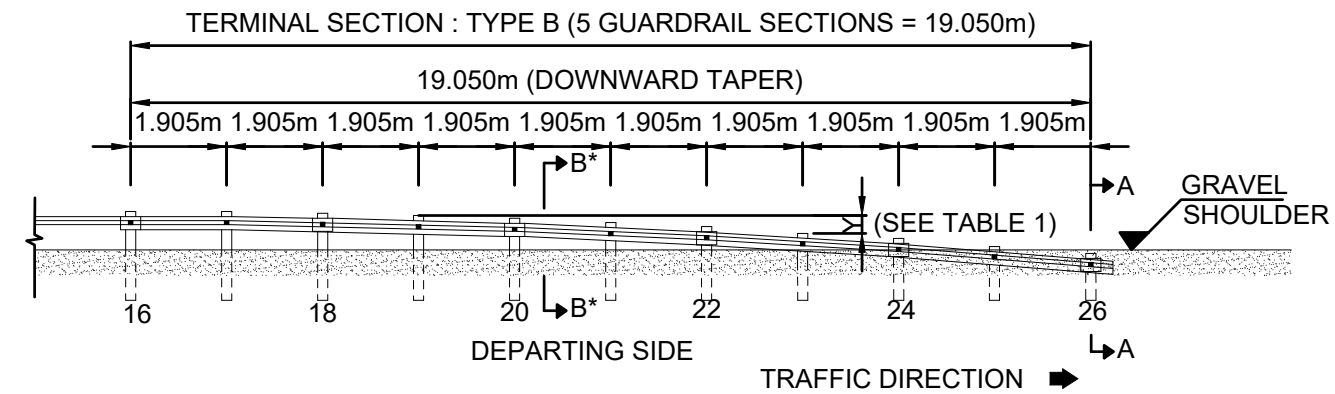


FRONT ELEVATION



PLAN DETAIL OF TERMINAL SECTIONS AT APPROACH AND DEPARTING SIDES

SCALE 1:75

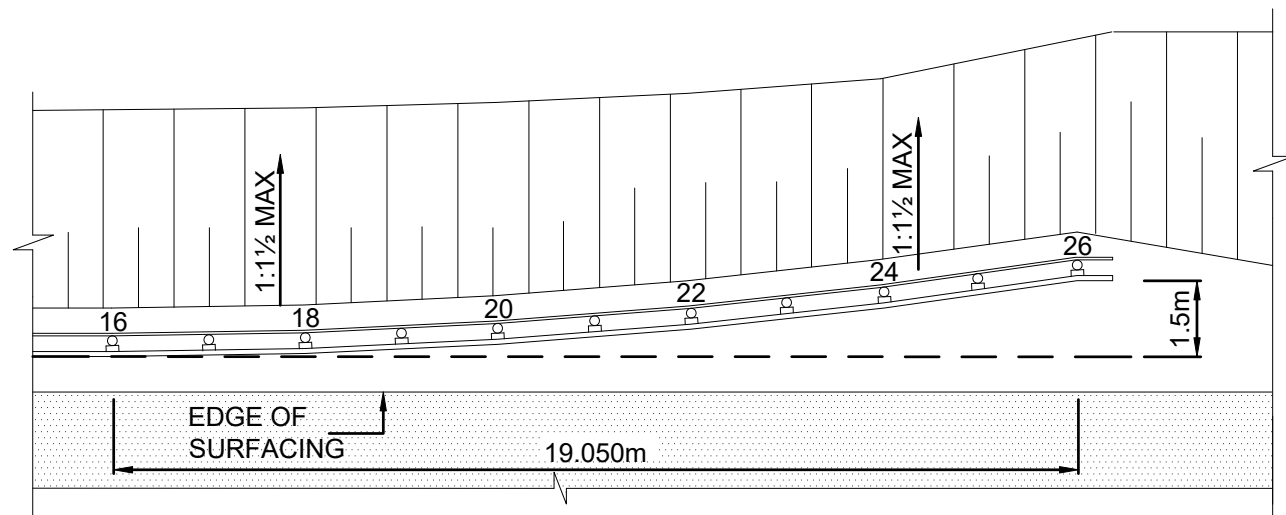
TABLE 1




SETTING OUT POSITIONS OF GUARDRAIL POSTS					
APPROACH SIDE (34.29m)			DEPARTING SIDE (19.05m)		
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	16	0	0
2	19	0	17	15	-
3	74	0	18	60	36
4	167	0	19	135	-
5	296	0	20	240	144
6	-	-	21	375	-
7	463	36	22	540	324
8	-	-	23	735	-
9	667	144	24	960	576
10	-	-	25	1215	-
11	907	324	26	1500	900
12	-	-			
13	1185	576			
14	-	-			
15	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)

NOTES
GUARDRAIL ONLY TO BE
ERECTED IF INSTRUCTED
BY THE ENGINEER



				CONSTRUCTION RECORD (AS-BUILT)				DESIGNED BY		CONSULTANT APPROVAL				HEAD OFFICE				EASTERN REGION		ACCEPTANCE		PROJECT DESCRIPTION				PROJECT NUMBER		CONTRACT N3TC/RM-2021-600					
				WORKS CONTRACT ENGINEER		KBK ENGINEERS (Pty) Ltd.		NAME J.C. MARKRAM		Name J.C. MARKRAM				48 Tambotie Avenue Val de Grace Pretoria 0184		58 van Eck Place Pietermaritzburg 3201		PO Box 415 Pretoria 0001		for N3TC CONCESSIONAIRE		ROUTINE ROAD MAINTENANCE OF NATIONAL ROUTE 3: N3 TOLL ROAD BETWEEN CEDARA AND HEIDELBERG SOUTH INTERCHANGE				DRAWING LOCATION DATA		START		END			
				Name : Prof. Reg. No. : Date				Prof. Reg. No. : 980187		Name Prof. Reg. No. : Date		980187 DECEMBER 2020						PO Box 100410 Scottsville 3209		Date:		DRAWING km DISTANCE				ROUTE		N3		N3			
				N3TC PROJECT MANAGER				CHECKED BY		Name										for SA NATIONAL ROADS AGENCY LTD.		DRAWING TYPE				DRAWING TYPE		ROADS - TYPICAL DETAIL					
						314 Glenwood Road, Block A Lynnwood Park, Pretoria, 0081 Tel: (012) 348-1822 Fax: (012) 348-1823 PO Box 74786, Lynnwood Ridge, 0040		NAME D.D. ROBERTSON		Prof. Reg. No. : 202001496						N3 Toll Concession (RF) Pty Ltd 1st Floor, Block D Southdowns Office Park Tel: (+27) 087 285 6382 22 Karee Street, Irene Fax: (+27) 012 492 3300		Tel: (012) 844 8000		Date:		BRIDGE/STRUCTURE No.				CONSULTANT DRAWING No.		N3TC-GR-03		VER			
				Name : Date				DRAWN BY		NAME		TA VAN DER MERWE								Date:		SCALE: AS SHOWN				SHEET 1 OF 2							
V1		12-2020		ORIGINAL VERSION		J.C. MARKRAM																GUARDRAIL DETAIL OF TERMINAL SECTIONS											
No.		DATE		REVISION		CONSULT. ENG.																											