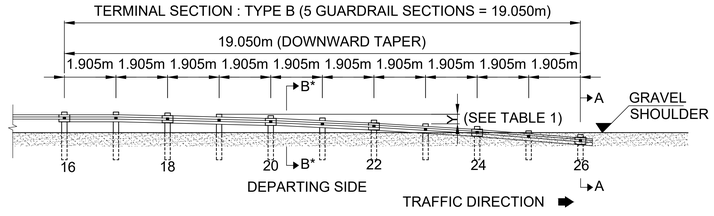
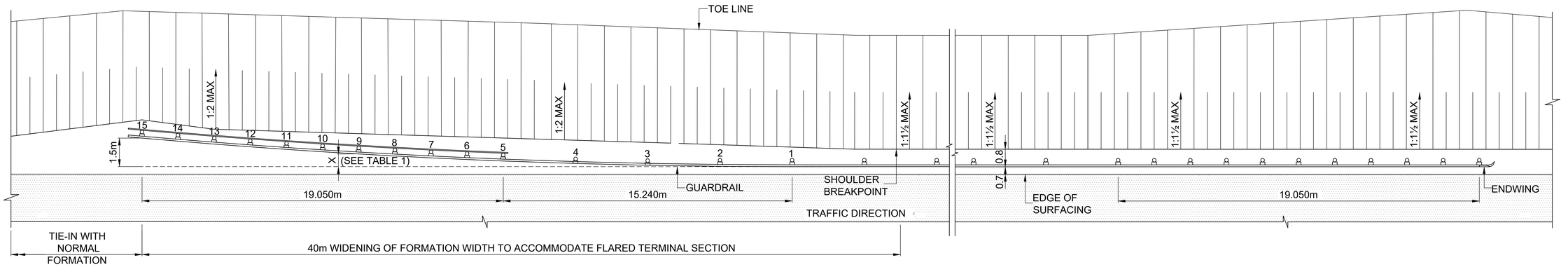


FRONT ELEVATION





PLAN DETAIL OF TERMINAL SECTIONS AT APPROACH AND DEPARTING SIDES ⊛

SCALE 1:37,5

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			

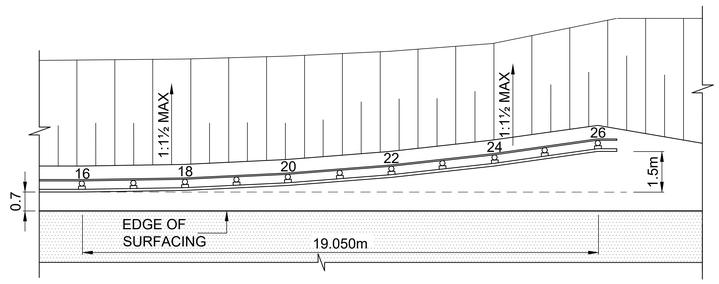
TABLE 2

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



No.	DATE	REVISION
V1	08/03/2024	ORIGINAL VERSION

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SANRAL
SOUTH AFRICAN NATIONAL ROADS AGENCY SOC LTD
Reg.No. 1998/893/06/10
BUILDING SOUTH AFRICA THROUGH BETTER ROADS

WESTERN REGION
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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
THE CAPACITY IMPROVEMENT OF NATIONAL ROUTE 1 SECTION 1 FROM OLD OAK INTERCHANGE (KM 18.90) TO KOELENHOF INTERCHANGE (KM 33.00)

GUARDRAILS
DETAIL OF TERMINAL SECTIONS
SHEET 1 OF 2

SCALE @ A0: AS SHOWN | SHEET 1 OF 2

PROJECT NUMBER	N001-010-2021/1	
DRAWING LOCATION DATA	START	END
ROUTE	N01	N01
SECTION	01	01
DRAWING km DISTANCE	18.900	33.000
DRAWING TYPE	ROADS - GUARDRAILS	
BRIDGE/STRUCTURE No.	N/A	
CONSULTANT DRAWING No.	312-00827-01-TD25	VER
SANRAL DOCUMENT #	XXXXXX	V1

312-00827-01-TD25