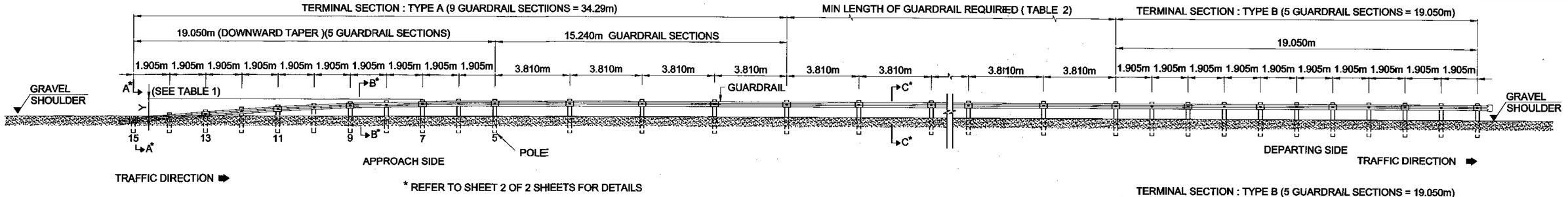
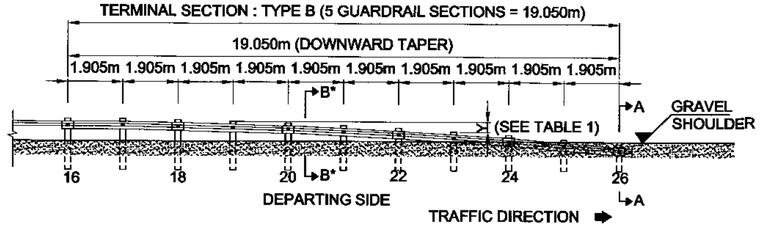
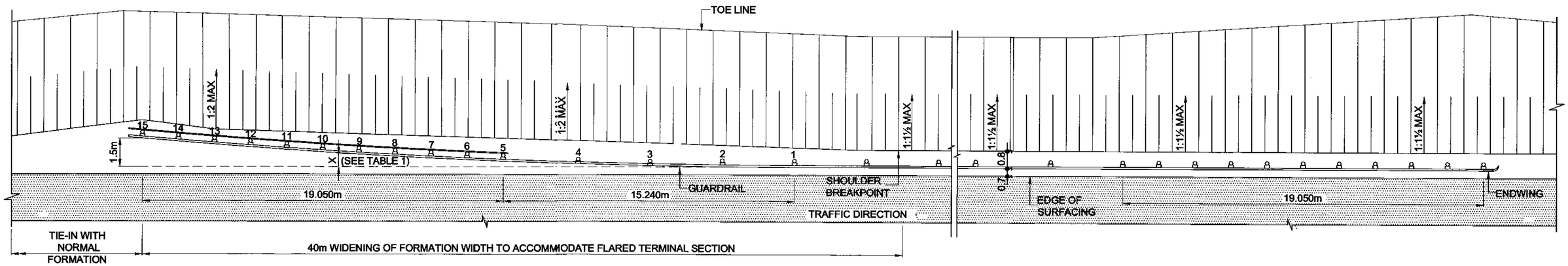
UNDER REVISION



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			

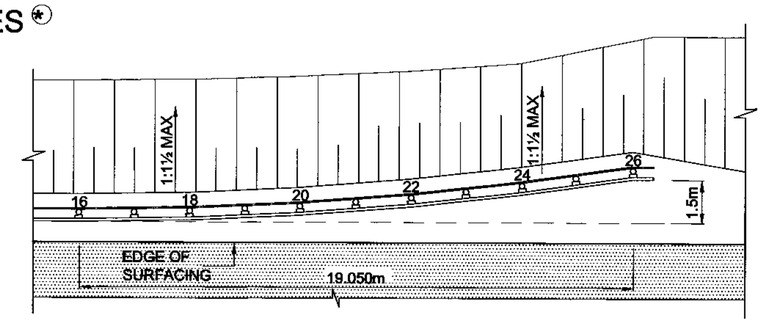
TABLE 2

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



FOR LATEST VERSION CHECK www.nra.co.za

No.	DATE	VERSION / REVISION	APPROVED
V1	SEPT 2014	ORIGINAL VERSION	

SANRAL TYPICAL DRAWINGS

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APPROVED

DATE: 2015/04/24

TYPICAL DRAWINGS - ROADWORKS

GUARDRAILS
DETAIL OF TERMINAL SECTIONS
SHEET 1 OF 2

SANRAL DOC. No. (PDF): 1693731
SANRAL DOC. No. (DWG): 1797181
SANRAL DRAWING No.: TD-R-GR-1100-V1