TABLE 1			
ADVANCE WARNING AREA			
APPROACH SPEED	OR	TRAFFIC VOLUME	LENGTH
PRIMARY ADVANCE WARNING AREA (1)			
120km/h		HIGH	1000m
80-100km/h		HIGH	600m
< 80km/h		LOW	600m
SECONDARY ADVANCE WARNING AREA (2)			
60-80km/h		HIGH	400-600m
< 60km/h		LOW	200-400m

NOTES:
1. APPLICABLE TO THE ONLY OR THE FIRST OF A SERIES OF ROADWORKS AREAS AND IS INTENDED TO ADVISE THE MOTORIST OF CONDITIONS AHEAD REQUIRING PARTICULAR CARE
2. APPLICABLE TO SUBSEQUENT ROADWORKS AREAS OR TRANSITIONS WITHIN A CONSTRUCTION ZONE REQUIRING EXTRA CARE

TABLE 2			
TRANSITION AREA			
APPROACH SPEED	TAPER RATE	TAPER LENGTH	DELINEATOR SPACING
TRANSITION TAPERS			
120km/h	1 in 50	200m	15m
80km/h	1 in 40	160m	15m
60km/h	1 in 30	120m	10m
40km/h	1 in 20	80m	5m
< 40km/h	1 in 10	40m	5m
TERMINATION TAPERS			
RURAL	1 in 10	40m-50m	15m
URBAN	1 in 5	20m	5m

NOTES:
1. TAPER LENGTH DEPENDS ON THE AMOUNT OF SHIFT IN THE ALIGNMENT; LENGTHS SHOWN HERE APPLY TO A SHIFT OF 4m

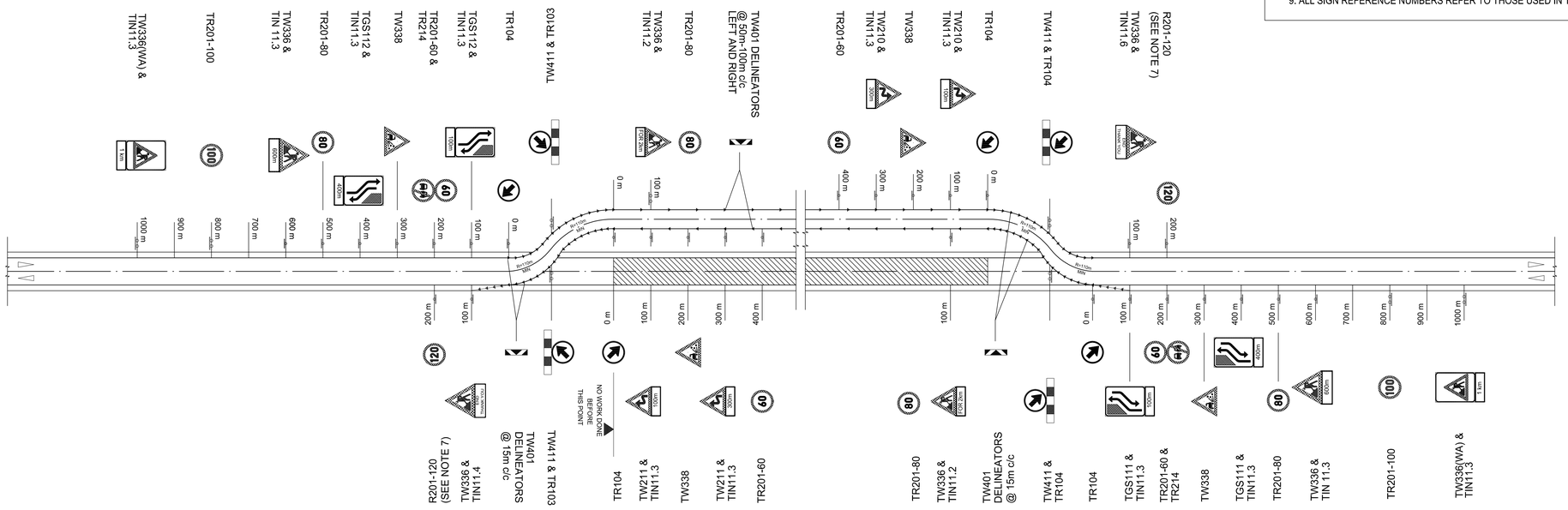
TABLE 3	
LENGTH OF STABILIZING AREA	
DESIRABLE	150m-200m
ABSOLUTE MIN	50m

NOTES :

1. TEMPORARY ROAD SIGN LAYOUTS SHOWN HERE DEPICT TYPICAL ACCOMMODATION OF TRAFFIC PROPOSALS.
2. ACTUAL ACCOMMODATION OF TRAFFIC PROPOSALS TO BE USED ON THE WORKS SHALL BE SUBMITTED TIMEOUSLY FOR THE ENGINEER'S APPROVAL. SUCH PROPOSALS SHALL TAKE

   DUE CONSIDERATION OF ACTUAL CONDITIONS ON THE ROAD. PARTICULAR ATTENTION SHALL BE GIVEN TO ACCESSES AND INTERSECTING ROADS WHERE NECESSARY.
3. ALL TEMPORARY ROAD SIGNS SHALL COMPLY WITH THE SADC ROAD TRAFFIC SIGNS MANUAL, 1997. ALL ACCOMMODATION OF TRAFFIC PROPOSALS SHALL BE PREPARED TO THE GUIDELINES SET IN SA RTSM VOL 2, CHAPTER 13 (JUNE 1999).

   FROM A FLEXIBLE MATERIAL AND SHOULD COMPLY WITH SABS 1555 AND BE OF A 250mm x 1000mm NOMINAL SIZE WITH CLASS I RETROREFLECTIVE MATERIAL ON THE BLADE FACING THE ONCOMING TRAFFIC.
5. MINIMUM SIZES OF SIGNS :
   TRIANGULAR : 1500mm SIDE LENGTH
   CIRCULAR : 1200mm DIAMETER
   RECTANGULAR : HIGH VISIBILITY BACKGROUND : 1200mm x 1800mm.
   TIN11.X : 400mm HIGH, LENGTH TO FIT PRIMARY SIGN.
   TW411 : 400mm x 2400mm.
6. ROADWORK DELINEATOR SIGNS (TW401 AND TW402) SHOULD BE SO POSITIONED THAT ENCROACHMENT ON THE ADJACENT RUNNING LANE IS AVOIDED AS FAR AS POSSIBLE. WHENEVER DELINEATOR SIGNS ARE POSITIONED NEXT TO AN EXCAVATION EXCEEDING 0.5m IN DEPTH A LONGITUDINAL BUFFER ZONE EQUALLING THE DEPTH OF EXCAVATION SHOULD BE PROVIDED BETWEEN THE EDGE AND THE TRAVELLED ROADWAY. A NARROWER BUFFER MAY BE CONSIDERED BY THE ENGINEER, SHOULD CONDITIONS ALLOW.
7. THE R201 SIGNS BEYOND THE WORK AREA SHALL AGREE WITH THE SPEED LIMIT ON THE SUBSEQUENT SECTION OF ROAD.
8. THE SPEED LIMIT IN THE WORK AREA SHALL BE SET AT A REALISTIC LEVEL. IN AREAS WHERE TRANSITION TAKES PLACE THE SPEED LIMIT COULD BE REDUCED LOCALLY, TO BE REVISED WHERE TRAFFIC FLOW CONDITIONS STABILIZED AT MORE UNIFORM LEVELS.
9. ALL SIGN REFERENCE NUMBERS REFER TO THOSE USED IN THE SADC RTSM,1999.



LAYOUT AT DEVIATION

No.	DATE	REVISION	CONSULT. ENG.
V1	MAR 2022	ISSUED FOR TENDER PURPOSES ONLY	S VAN HUYSSTEEN

CONSTRUCTION RECORD
WORKS CONTRACT ENGINEER
Name : S NAICKER
Prof. Reg. No. : 20040015
Date : 13 DECEMBER 2019
SANRAL PROJECT MANAGER
Name : R OERLEMANS
Date :

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CHECKED BY
NAME S VAN HUYSSTEEN
Prof. Reg. No. 20040015
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CONSULTANT APPROVAL
Name : S NAICKER
Prof. Reg. No. : 20040015
Date : 13 DECEMBER 2019

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SANRAL
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Reg.No. 1998/009354/30
BUILDING SOUTH AFRICA THROUGH BETTER ROADS

NORTHERN 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 CEO: SA NATIONAL ROADS AGENCY SOC LTD.
Date:

PROJECT DESCRIPTION
THE REHABILITATION AND STRENGHTENING OF NATIONAL ROAD R504 SECTION 4 FROM LEEUDORINGSTAD (KM 0,0) TO NW/FS BORDER (KM 24,1)

DRAWING NAME
LAYOUT AT DEVIATION

SCALE :
SHEET 4 OF 4

PROJECT NUMBER	R.504-040-2018/1F	
DRAWING LOCATION DATA	START	END
ROUTE	R504	R504
SECTION	04	04
DRAWING km DISTANCE	0.0	24.1
DRAWING TYPE	ROADS - LAYOUTS	
BRIDGE/STRUCTURE No.	-	
CONSULTANT DRAWING No.	FA 20215/SD/36	VER V1
SANRAL DOCUMENT #		

THE MASTER HELD AT NYELETI PRETORIA OFFICE BEARS THE ORIGINAL SIGNATURE OF APPROVAL