DIRECTION	KM FROM	KM TO	LENGTH (m)	EXISTING	REQUIRED ACTION
NB	92,800	92,970	170	Fig. 7 Kerb and Channel	Remove and replace 300mm channel only
NB	92,970	92,980	10	Fig. 7 Kerb and Channel	Remove and construct new Fig. 3 kerb and channel
NB	93,010	93,065	55	Fig. 7 Kerb and Channel	Remove and replace 300mm channel only
NB	93,065	93,140	75	2.0m wide concrete shoulder	Remove and construct new Fig. 3 kerb and channel
NB	93,140	93,150	10	Edge beam and block paving entrance	Remove and replace edgebeam only
NB	93,150	93,300	150	Gravel shoulder	Construct new Fig. 3 kerb and channel
NB	93,300	93,360	60	Fig. 7 Kerb and Channel	Remove and replace 300mm channel only
NB	93,360	93,500	140	Gravel shoulder	Construct new Fig. 3 kerb and channel
NB	93,500	93,780	280	Gravel shoulder	No drainage elements required
NB	93,780	93,820	40	Fig. 8 Kerb and Channel	Remove and construct new Type C kerb and channels in bellmouths
NB	93,820	94,805	985	Gravel shoulder	No drainage elements required
SB	92,770	92,990	220	Fig. 7 Kerb and Channel	Remove and replace 300mm channel only
SB	93,010	93,100	90	Fig. 7 Kerb and Channel	Remove and replace 300mm channel only
SB	93,120	93,500	380	Gravel shoulder	Construct new Fig. 3 kerb and channel
SB	93,500	93,780	280	Gravel shoulder	No drainage elements required
SB	93,780	93,820	40	Fig. 8 Kerb and Channel	Remove and construct new Type C kerb and channels in bellmouths
SB	93,820	94,310	490	Gravel shoulder	No drainage elements required

NRB BEACON COORDINATE LIST			
POINTS	X	Y	Z
NRB 207	+98835,891	+2471729,896	539.107
NRB 208	+99025,792	+2471272,372	532.422
NRB 209	+99227,719	+2470895,388	531.120

HORIZONTAL ALIGNMENT				
POINTS	EASTING	NORTHING	CHAIN	RADIUS
BC8	+98894,904	+2471581,358	93,098 368	
PI8	+98909,628	+2471549,404		R=1560
EC8	+98925,778	+2471518,144	93,168 716	
BC9	+98932,000	+2471506,101	93,182 273	
PI9	+98935,558	+2471499,215		R=335
EC9	+98938,794	+2471492,171	93,197 776	
BC10	+99231,754	+2470854,409	93,899 607	
PI10	+99239,650	+2470837,221		R=2700
EC10	+99247,304	+2470819,924	93,937 427	

No.	DATE	REVISION	CONSULT. ENG.
V1	30/09/2021	ORIGINAL VERSION	M.P. BOONSTRA

CONSTRUCTION RECORD (AS-BUILT)
WORKS CONTRACT ENGINEER
Name :
Prof. Reg. No. :
Date :
SANRAL PROJECT MANAGER
Name :
Date :

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314 Glenwood Road
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Pretoria, 0081
Tel: (012) 348-1822
Fax: (012) 348-1823

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Reg.No. 1998/009486/30
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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 RESURFACING OF NATIONAL ROUTE N001, SECTION 29 BETWEEN MUSINA SOUTH AND MUSINA NORTH

DRAWING DESCRIPTION

LAYOUT PLAN:
km 92,900 to km 93,900

SCALE: 1:1000 | SHEET 4 OF 6

PROJECT NUMBER	NRA N.001-290-2004/1	
DRAWING LOCATION DATA	START	END
ROUTE	N1	N1
SECTION	29	29
DRAWING km DISTANCE	92,900	93,900
DRAWING TYPE	ROADS - LAYOUTS	
BRIDGE/STRUCTURE No.		
CONSULTANT DRAWING No.	KBK/2312/04/004	VER
SANRAL DOCUMENT #	-	V1

DRAWING No. KBK/2312/04/004

FOR TENDER PURPOSES ONLY