SURVEY COINTROL POINTS SETTING-OUT DATA

POINT NUMBER	Y = 0.000	X = 0.000	Elevation	DESCRIPTION
1	-31 412.900	-3 750 014.310	110.589	NRB65B-21
2	-31 231.170	-3 749 853.680	108.090	NRB66-21
3	-30 994.030	-3 749 716.290	94.433	NRB67-21
4	-30 919.170	-3 749 797.930	92.872	NRB93-21
5	-30 722.060	-3 749 597.330	79.991	NRB68-21
6	-30 641.670	-3 749 708.930	83.943	NRB92-21
7	-30 444.520	-3 749 803.760	88.446	NRB91-21

N1 CAPE TOWN

CONTINUE ON DWG 312-00827-N1RL08

CONTINUE ON DWG 312-00827-N1RL10

N1 PAARL

LUCULLUS STREET

MAROELA ROAD

NRB102-21 102.418

NRB103-21 104.678

NRB104-21 106.607

NRB104A-21 107.803

NRB104C-21 108.407

NRB105-21 107.938

CABLE MARKER

17.85m of H 1190 X W 2510 mm Rectangular Culvert @ 1.68%

SW OUTLET
l. 19mX2.51m BC
IL 103.00
SV 58.880
RAMP A

SW INLET
l. 19mX2.51m BC
IL 103.30
SV 58.880
RAMP A

SW INLET HW
600mmØ PC
IL 104.18
SV 58.880
RAMP D

SW OUTLET HW
600mmØ PC
IL 104.18
SV 58.880
RAMP D

25.29m of 525mm Class 100 @ 1.27%

SW OUTLET
900mmx2 PC PIPE

SW INLET
900mmx2 PC PIPE

2x18m/900mm Class 100

20.64m/2x900mm Class 100 @ 1.89%

SW OUTLET
900mm PC PIPE
IL 1065.82
RAMP C

SW OUTLET
900mm PC PIPE
IL 1065.91
RAMP C

SW INLET
HW900mm PC PIPE
IL 106.30
RAMP C

SW OUTLET
900mm PC PIPE
IL 105.90
RAMP C

17.86m/900mm Class 100 @ 1.74%

SW INLET
900mm PC PIPE
IL 106.13
RAMP C

16.87m/900mm Class 100 @ 1.78%

SW INLET
900mm PC PIPE
IL 106.19
RAMP C

SW OUTLET
600mm PC PIPE
IL 106.86
RAMP D

30mx450mm Class 100

20.60m/600mm Class 100 @ 0.34%

SW INLET
600mm PC PIPE
IL 107.04
RAMP D

21.82m/600mm Class 100 @ 0.64%

SW INLET
600mm PC PIPE
IL 106.96
RAMP B

SW OUTLET
600mm PC PIPE
IL 106.82
RAMP B

Clearance Height:8.94m
No of Conductors:1

34m/450mm Class 100

70.43m/600mm Class 100

30m/450mm Class 100

70.43m/600mm Class 100

ROAD SERV 472M

ONRAMP 34.68

STORMWATER & SEWER SERVICES

GENERAL LEGEND

- ROAD RESERVE
- MAIN CARRIAGEWAY WIDENING
- MAIN CARRAIGEWAY REHAB
- INTERCHANGE REHAB
- INTERCHANGE UPGRADE
- NEW SIDEWALKS
- NEW RETAINING WALLS
- ROUNDABOUT BUFFER
- NRB ### ###.### — NATIONAL ROAD SURVEY BEACON

DRAINAGE LEGEND

- 45/1 — DRAINAGE ITEM REFERENCE
- NEW STORMWATER PIPE
- CULVERT INLET / OUTLET
- GRID INLET
- SIDE INLET WITH DOWN CHUTE AND ENERGY DISSIPATOR
- BERM INLET WITH DOWN CHUTE AND GRID CHAMBER
- CATCHWATER BERM
- MANHOLE
- KERB INLET
- JUNCTION BOX
- CONCRETE MEDIAN DRAIN
- CONCRETE LINED DRAIN
- STONE PITCHED DRAIN
- GRASS SODDED DRAIN
- F-TYPE SIDE DRAIN OUTLET
- EARTH SHALLOW DRAIN
- DAYLIGHT DRAIN
- FIELD INLET

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

HEAD OFFICE
48 Tambotie Avenue
Val de Grace
Pretoria
0184

PO Box 415
Pretoria 0001
South Africa

Tel: (012) 844 8000

SANRAL
SOUTH AFRICAN NATIONAL ROADS AGENCY SOC LTD
BUILDING SOUTH AFRICA THROUGH BETTER ROADS

WESTERN REGION
1 Havenga Street
Oakdale
Bellville
7530

Private Bag X19
Bellville
7535

Tel: (021) 957 4600

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)

ROAD LAYOUT PLAN
JOOSTENBERG VLAKTE INTERCHANGE: DRAINAGE

SCALE @ A0: 1 : 1000 | SHEET 01 OF 01

PROJECT NUMBER	N001-010-2021/1
DRAWING LOCATION DATA	START / END
ROUTE	N01 / N01
SECTION	01 / 01
DRAWING km DISTANCE	
DRAWING TYPE	ROADS - LAYOUT PLAN
BRIDGE/STRUCTURE No.	N/A
CONSULTANT DRAWING No.	312-00827-01-JVRL01 VER
SANRAL DOCUMENT #	XXXXXX V1

312-00827-01-JVRL01