

LAYBY/PARKING - SETTING OUT DATA			
POINT	X	Y	Z
P1	41819.821	3679620.224	946.232
P2	41823.838	3679622.051	946.411
P3	41825.245	3679624.426	946.500
P4	41819.594	3679626.229	0.000
P5	41826.515	3679628.417	946.611
P6	41823.264	3679616.157	946.643
P7	41834.939	3679625.470	946.648
P8	41830.227	3679623.898	946.968
P9	41646.847	3679610.756	947.434
P10	41664.185	3679623.757	947.886
P11	41664.528	3679610.756	947.632
P12	41697.873	3679620.157	948.921
P13	41697.873	3679616.157	948.881

LAYBY/PARKING - SETTING OUT DATA			
POINT	X	Y	Z
P14	41872.362	3679631.792	954.888
P15	41875.423	3679630.318	954.764
P16	41886.285	3679632.199	954.824
P17	41895.128	3679633.740	954.879
P18	41897.492	3679636.163	954.835
P19	42097.572	3679706.034	956.249
P20	42100.781	3679709.006	955.320
P21	42102.916	3679716.836	955.133
P22	42104.489	3679728.564	955.742
P23	42102.592	3679732.465	954.875
P24	42220.623	3679805.427	956.105
P25	42224.005	3679811.380	955.906
P26	42246.572	3679793.957	956.391

LAYBY/PARKING - SETTING OUT DATA			
POINT	X	Y	Z
P27	42261.937	3679772.038	956.954
P28	42266.349	3679769.175	957.093
P29	42264.870	3679762.990	957.347
P30	42248.202	3679760.010	957.398
P31	42233.159	3679762.893	956.900
P32	42211.373	3679797.838	956.211
P33	42214.426	3679803.958	956.022
P37	42245.121	3679648.416	0.000
P38	42197.034	3679666.805	956.421
P39	42208.963	3679660.858	959.849
P40	42222.067	3679663.288	960.770
P41	42211.884	3679681.654	0.000

STORMWATER - SETTING OUT DATA								
PIPE NAME	START - X	START - Y	START IL	END - X	END - Y	END IL	2D LENGTH	SLOPE
C7	41901.39	3679634.88	953.461	41900.13	3679642.07	953.095	7.320	5.000%
C8	42056.41	3679662.10	953.623	42053.02	3679671.25	953.330	9.760	3.000%
C9	42131.83	3679793.61	953.070	42128.42	3679796.72	952.960	4.000	2.000%
C10	42238.76	3679771.23	956.200	42252.71	3679788.00	955.504	21.810	3.190%
Diameter and Class								
450mm Class 1000								
750mm Class 1000								
Trapezoidal Channel H 300 BOTTOM W 2 000 TOP W 2 900								
450mm Class 1000								

INTERSECTION - SETTING OUT DATA				
POINT	X	Y	Z	DESCRIPTION
P34	42232.717	3679665.361	960.574	BC1
P35	42224.183	3679650.026	961.053	
P36	42230.273	3679633.566	961.864	EC1
P37	42245.121	3679648.416	0.000	CC1
P38	42197.034	3679666.805	956.421	BC2
P39	42208.963	3679660.858	959.849	
P40	42222.067	3679663.288	960.770	EC2
P41	42211.884	3679681.654	0.000	CC2

- NOTES:
- THIS DRAWING IS BASED ON THE LO-21 WGS84 COORDINATE SYSTEM.
  - ALL SETTING OUT DATA MUST BE CONFIRMED WITH THE CONTRACTOR PRIOR TO THE COMMENCEMENT OF WORK AND ANY DISCREPANCIES MUST BE REPORTED TO THE ENGINEER FOR VERIFICATION.
  - ALL WORK SHALL BE CARRIED OUT IN ACCORDANCE WITH SANS 1200.
  - ALL WORK SHALL BE TESTED AS PER THE REQUIREMENTS OF SANS 1200 OR AS PER THE APPROVED OMS.
  - THE CONTRACTOR IS TO REMAIN CLEAR OF - AND NO WORK TO BE DONE WITHIN - ENVIRONMENTALLY SENSITIVE AREAS WITHOUT PRIOR CONSENT FROM THE ECO.
  - TOPSOIL STRIPPING TO BE DONE TO A MINIMUM DEPTH OF 150mm AND ALL ORGANIC MATERIAL TO BE REMOVED. TOPSOIL IS TO BE BLADED INTO WINDROWS ON EITHER SIDE OUTSIDE OF THE CONSTRUCTION AREA.
  - ALL EXISTING STORMWATER AND ROAD INFRASTRUCTURE TO BE PRESERVED AND MAINTAINED DURING CONSTRUCTION.

- LEGEND
- STORMWATER CROSSING - TYPE 1
  - STORMWATER CROSSING - TYPE 2
  - DRIFT
  - ROAD SIDE DRAIN
  - MITRE DRAIN
  - CUT-OFF DRAIN
  - GUARDRAIL
  - EXISTING FENCELINE
  - DESIGN CONTOURS (0.5m INTERVAL)
  - PROPOSED FENCELINE
  - NEW GATE
  - PROPERTY BOUNDARY



C	2025-02-12	FOR TENDER
B	2024-12-11	FOR TENDER
A	2024-11-11	FOR TENDER
REV	DATE	DESCRIPTION

**EKCON**  
Consulting Engineers

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163 UYS KRIGE DRIVE, PLATTEKLOOF, CAPE TOWN, 7500  
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TEL: 021 930 9360

CLIENT  
**SOUTH AFRICAN NATIONAL SPACE AGENCY**

PROJECT TITLE  
**SANSA MATJIESFONTEIN**

DRAWING TITLE  
**ROAD LAYOUT & LONGITUDINAL SECTIONS: ROAD A (SHEET 1 of 1)  
SV 0 - SV 904**

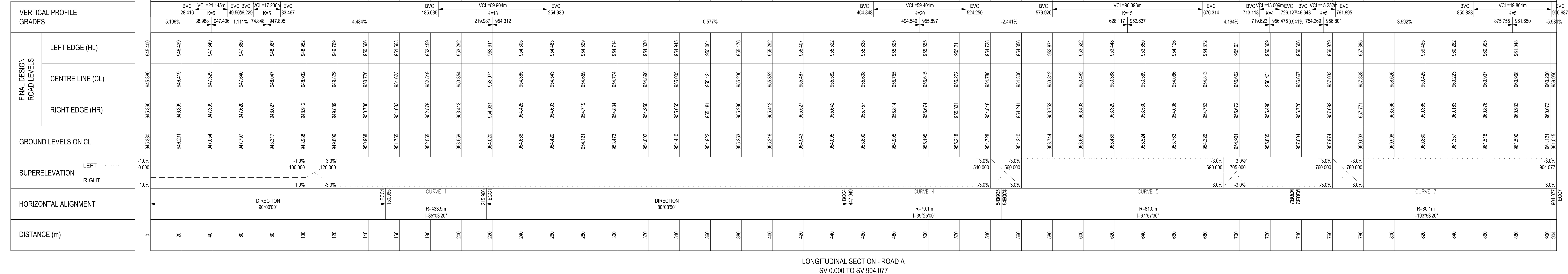
SCALE	SIZE	APPROVED
1:1000	A0	SHR BUCKLE
DESIGNED		
S. RAMNCWANA		ECOA P16 ENG 202402095
CHECKED		
R. BUCKLE		

DRAWING STATUS  
**FOR TENDER**

DRAWING NUMBER	REV
<b>P3589-C-LL-002</b>	<b>C</b>

SCALES:  
Horizontal 1:1000  
Vertical 1:200

DATUM 935.000



LONGITUDINAL SECTION - ROAD A  
SV 0.000 TO SV 904.077