STORMWATER SETTING-OUT COORDINATES - Lo 29, WGS 85			
NAME	Y	X	Z
DR 1	-94725.620	2815920.920	1116.405
DR 2	-94724.850	2815919.470	1116.241
DR 3	-94721.536	2815913.804	1116.241
DR 4	-94720.884	2815912.569	1116.381
DR 5	-94714.017	2815916.250	1116.524
DR 6	-94713.750	2815915.180	1116.414
DR 7	-94713.299	2815913.375	1116.414
DR 8	-94712.996	2815912.158	1116.539
DR 9	-94702.920	2815914.677	1116.954
DR 10	-94702.995	2815913.239	1116.594
DR 11	-94703.025	2815912.840	1116.594
DR 12	-94702.915	2815911.633	1116.894
DR 13	-94695.821	2815903.753	1117.339
DR 14	-94698.679	2815911.412	1116.594
DR 15	-94690.177	2815904.210	1117.403
DR 16	-94694.444	2815911.191	1117.152
DR 17	-94690.209	2815910.971	1117.452
DR 18	-94684.534	2815904.667	1117.836
DR 19	-94600.386	2815899.533	1120.344
DR 20	-94595.354	2815900.022	1120.653
DR 21	-94595.432	2815898.524	1120.653

STORMWATER SETTING-OUT COORDINATES - Lo 29, WGS 84			
NAME	Y	X	Z
DR 22	-94594.062	2815907.164	1120.256
DR 23	-94594.060	2815907.565	1120.256
DR 24	-94594.054	2815909.006	1120.616
DR 25	-94589.055	2815908.706	1120.367
DR 26	-94589.041	2815911.749	1120.367
DR 27	-94589.027	2815914.753	1120.727
DR 28	-94589.022	2815915.754	1121.087
DR 29	-94583.056	2815908.393	1120.488
DR 30	-94583.042	2815911.437	1120.488
DR 31	-94583.028	2815914.440	1120.848
DR 32	-94583.023	2815915.441	1121.208
DR 33	-94580.565	2815906.461	1120.535
DR 34	-94580.563	2815906.862	1120.535
DR 35	-94580.557	2815908.303	1120.895

STORMWATER SETTING-OUT COORDINATES - Lo 29, WGS 84			
NAME	Y	X	Z
DR 36	-94461.643	2815900.267	1121.746
DR 37	-94461.645	2815900.667	1121.746
DR 38	-94461.651	2815902.109	1122.106
DR 39	-94456.649	2815901.809	1121.792
DR 40	-94456.662	2815904.854	1121.792
DR 41	-94456.674	2815907.858	1122.152
DR 42	-94456.678	2815908.860	1122.512
DR 43	-94450.648	2815901.496	1121.848
DR 44	-94450.661	2815904.541	1121.848
DR 45	-94450.673	2815907.546	1122.208
DR 46	-94450.677	2815908.547	1122.568
DR 47	-94448.140	2815899.563	1121.872
DR 48	-94448.142	2815899.964	1121.872
DR 49	-94448.148	2815901.406	1122.232
DR 50	-94326.402	2815892.020	1124.069
DR 51	-94326.339	2815893.219	1123.769
DR 52	-94326.318	2815893.618	1123.769
DR 53	-94326.244	2815895.056	1124.129

BELLMOUTH SETTING-OUT COORDINATES - Lo 29, WGS 84			
NAME	Y	X	Z
1	-94711.123	2815899.265	1116.706
2	-94710.660	2815901.944	1116.722
3	-94709.264	2815904.009	1116.757
4	-94707.232	2815905.332	1116.834
5	-94704.729	2815905.719	1116.948
6	-94702.232	2815905.589	1117.053
7	-94699.736	2815905.459	1117.163
8	-94697.240	2815905.329	1117.278

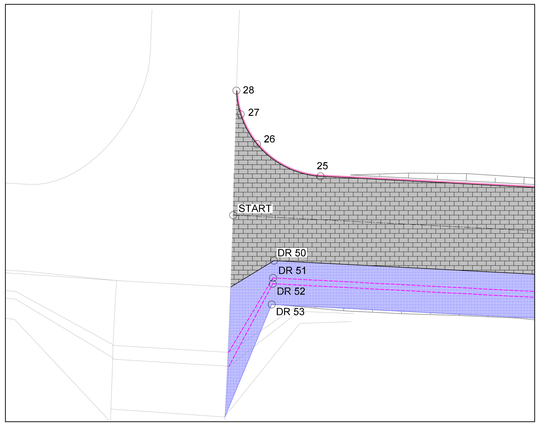
BELLMOUTH SETTING-OUT COORDINATES - Lo 29, WGS 84			
NAME	Y	X	Y
9	-94595.354	2815900.022	1120.653
10	-94590.550	2815897.769	1120.857
11	-94589.421	2815895.707	1120.852
12	-94589.121	2815893.689	1120.844
13	-94583.126	2815893.377	1120.842
14	-94582.623	2815895.353	1120.851
15	-94581.284	2815897.286	1120.856
16	-94576.683	2815899.049	1121.025

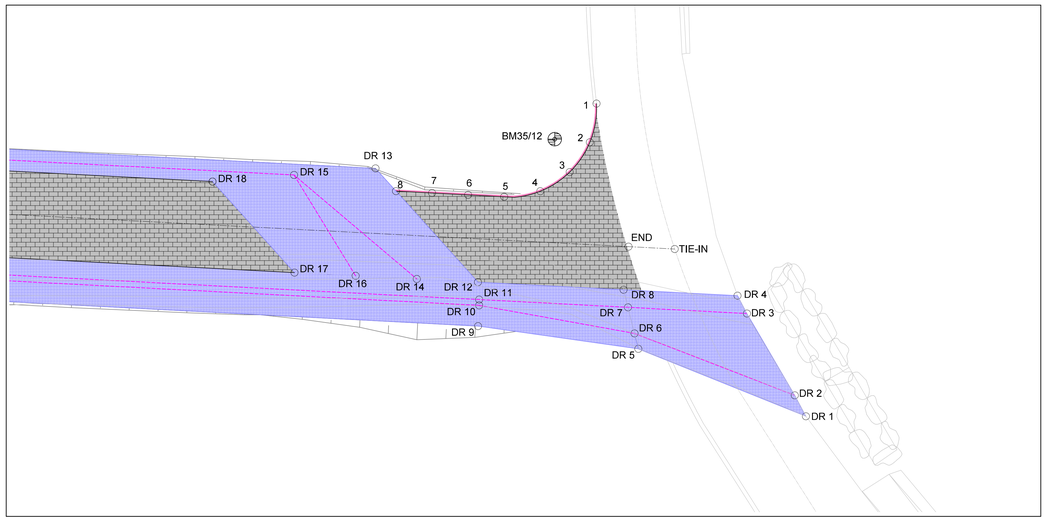
BELLMOUTH SETTING-OUT COORDINATES - Lo 29, WGS 84			
NAME	Y	X	Z
17	-94462.238	2815893.088	1122.163
18	-94458.009	2815890.865	1122.195
19	-94456.881	2815888.803	1122.134
20	-94456.587	2815886.785	1122.045
21	-94450.586	2815886.473	1122.028
22	-94450.082	2815888.449	1122.124
23	-94448.744	2815890.382	1122.124
24	-94444.160	2815892.146	1122.331

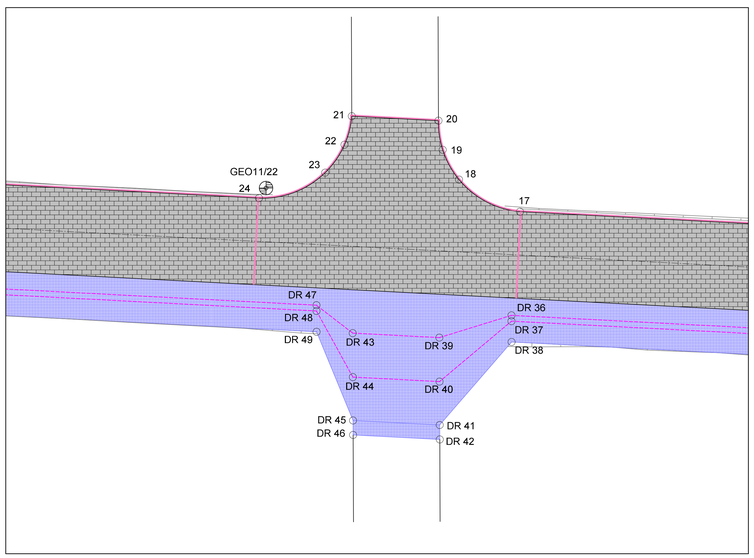
BELLMOUTH SETTING-OUT COORDINATES - Lo 29, WGS 84			
NAME	Y	X	Z
25	-94329.622	2815886.180	1124.003
26	-94325.226	2815883.948	1124.053
27	-94324.096	2815881.887	1124.070
28	-94323.805	2815880.246	1124.073

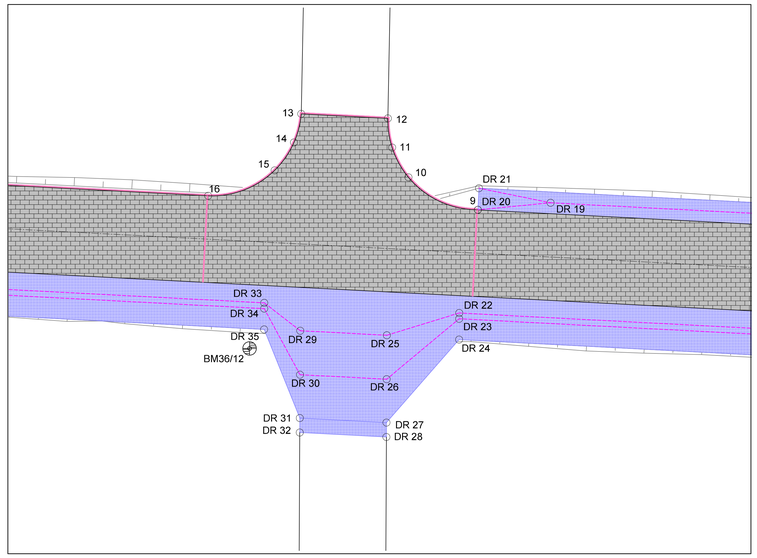
CENTRELINE COORDINATES - Lo 29, WGS 84			
NAME	Y	X	Z
START	-94323.575	2815888.871	1124.139
END	-94713.338	2815909.171	1116.595
TIE-IN	-94716.536	2815909.338	1116.595

BENCHMARKS COORDINATES - Lo 29, WGS 84			
NAME	Y	X	Z
BM 35/12	-94708.230	2815901.730	1117,172
BM 36/12	-94579.550	2815909,620	1121,131
GEO 11/22	-94444.650	2815891.450	1122.315









No.	DATE	REVISION	CONSULT. ENG.
V1		ORIGINAL VERSION	

CONSULTANT

TECHNICAL EXCELLENCE ACADEMY (TEA)

DESIGNED BY	
NAME	N Ndzinisa
Prof. Reg. No.	
CHECKED BY	
NAME	A Juba
Prof. Reg. No.	
DRAWN BY	
NAME	J Shaw

CONSULTANT APPROVAL

Name : A Van Gruting
Prof. Reg. No. :
Date :

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Reg No 1998/009884/30
BUILDING SOUTH AFRICA THROUGH BETTER ROADS

SOUTHERN REGION
20 Shoreward Drive
Bay West
PORT ELIZABETH
6025

P O Box 24210
Bay West
PORT ELIZABETH
6034

Tel: (041) 398 3205

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:

COMMUNITY AND SMALL CONTRACTOR TRAINING AND DEVELOPMENT ON MADIDI SERVICE ROADS

SETTING OUT PLAN

SCALE : NTS **SHEET 1 OF 1**

PROJECT NUMBER	S.002-003-2018/1	
DRAWING LOCATION DATA	START	END
ROUTE	MADIDI	MADIDI
SECTION		
DRAWING m DISTANCE	CHAINAGE -8	CHAINAGE 385
DRAWING TYPE		
BRIDGE/STRUCTURE No.		
CONSULTANT DRAWING No.	S.002-003-2018/1-005	VER
SANRAL DOCUMENT #	22051115	