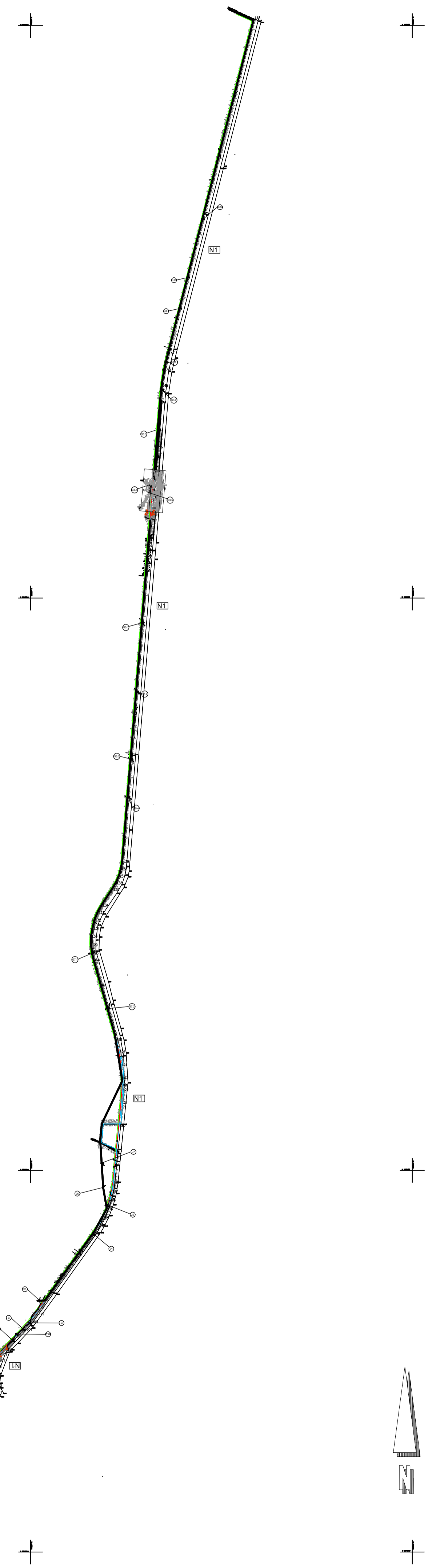


PROPOSED CO-ORDINATES FOR ROAD RESERVE		
No	CO-ORDINATES WG 29	
	Y	X
L01	-89 627.378	2 532 332.081
L02	-89 627.978	2 532 262.940
L03	-89 615.090	2 532 196.235
L04	-89 613.928	2 532 128.307
L05	-89 624.526	2 532 061.201
L06	-89 646.566	2 531 996.937
L07	-89 679.385	2 531 937.451
L08	-89 723.075	2 531 885.573
L09	-89 929.247	2 531 670.716
L10	-89 998.357	2 531 593.373
L11	-90 061.802	2 531 511.318
L12	-90 682.671	2 530 646.513
L13	-90 735.446	2 530 565.823
L14	-90 781.019	2 530 480.859
L15	-90 819.047	2 530 392.260
L16	-90 849.244	2 530 300.695
L17	-90 871.380	2 530 206.856
L18	-90 885.290	2 530 111.448
L19	-90 919.180	2 529 775.780
L20	-90 946.220	2 529 512.200
L21	-90 968.032	2 529 276.024
L22	-90 978.658	2 529 143.446
L23	-90 977.046	2 529 010.387
L24	-90 965.387	2 528 877.831
L25	-90 943.746	2 528 746.534
L26	-90 912.247	2 528 617.248
L27	-90 678.289	2 527 793.710
L28	-90 658.229	2 527 709.110
L29	-90 650.128	2 527 622.464
L30	-90 652.667	2 527 535.477
L31	-90 667.272	2 527 449.768
L32	-90 689.348	2 527 365.672
L33	-90 722.943	2 527 285.394
L34	-90 767.341	2 527 210.640
L35	-90 876.960	2 527 043.294
L36	-90 915.732	2 526 975.214
L37	-90 945.753	2 526 902.848
L38	-90 966.561	2 526 827.316
L39	-90 977.833	2 526 749.785
L40	-91 297.278	2 522 870.233
L41	-91 286.021	2 522 824.154
L42	-91 288.073	2 522 799.238
L43	-91 306.715	2 522 755.621
L44	-91 374.452	2 521 932.975
L45	-91 392.189	2 521 759.232
L46	-91 421.165	2 521 586.969
L47	-91 461.246	2 521 416.984
L48	-92 354.708	2 517 934.519

RIVER CROSSING INFORMATION							
POINT	OPENING TYPE	WIDTH	DEPTH	X	Y	CROSS-SECTIONAL CULVERT (WxD)	CULVERT OPENING NO OFF
G3.1	TRAPEZOIDAL	12	0.5	2520961.082	-91561.694	1500x750	8
G3.1.1	TRAPEZOIDAL	12	0.5	2521526.557	-91418.971	1500x750	4
G3.2	TRAPEZOIDAL	12	0.5	2521817.432	-91370.164	1500x750	4
G3.3	TRAPEZOIDAL	11	0.5	2522229.374	-91333.992	1500x750	8
G3.4	TRAPEZOIDAL			2522813.985	-91244.717	1x600D	1
G3.5	TRAPEZOIDAL			2522894.591	-91238.729	1x600D	1
G5.1	TRAPEZOIDAL	13	0.9	2524267.014	-91167.035	1800x900	4
G5.2	TRAPEZOIDAL	12	0.75	2524980.037	-91107.501	1800x900	4
G5.3	TRAPEZOIDAL	13	0.75	2525687.863	-91049.218	1800x900	4
G5.4	TRAPEZOIDAL	13	0.75	2526087.967	-91016.273	1800x900	4
G7.1	V-SHAPED	4	0.5	2527721.347	-90644.687	2100x1500	4
G7.2	V-SHAPED	4	0.5	2528304.375	-90806.730	2100x1800	5
G9	V-SHAPED	2	0.5	2520026.167	-91801.556	1200x600	3
G10	V-SHAPED	2	0.5	2520636.440	-91644.984	1200x600	3
J1.1	TRAPEZOIDAL	2	0.5	2531782.644	-89813.399	1500x600	2
J1.2	TRAPEZOIDAL	2	0.5	2531715.031	-89850.257	1500x600	2
J2.1	TRAPEZOIDAL	2	0.5	2531665.711	-89926.210	1500x600	2
J2.2	TRAPEZOIDAL	2	0.5	2531597.364	-89990.823	1500x600	2
J3	TRAPEZOIDAL	12	1	2531364.857	-90095.928	2100x1800	6
J4	V-SHAPED	2	0.5	2530660.685	-90652.800	1200x600	3
J6	V-SHAPED	2	0.5	2530177.058	-90761.522	1200x600	3
J7	V-SHAPED	2	0.5	2529922.258	-90745.157	1200x600	3
H1	V-SHAPED	2	0.5	2532370.847	-83627.564	1200x600	3
H2	V-SHAPED	2	0.5	2532490.927	-84041.482	1200x600	3
H3	V-SHAPED	2	0.5	2532604.490	-84436.443	1200x600	3
H4	V-SHAPED	2	0.5	2532714.539	-84822.875	1200x600	3
H5.1	V-SHAPED	2	0.5	2532910.152	-85801.731	1200x600	3
H6	V-SHAPED	2	0.5	2532943.963	-86322.796	1200x600	3

- CONTRACT  
 IF-A1 - RUWACON - (H1, H2, H3, H4, H5.1, H6)  
 IF-A2 - COCHRANE - (SECURITY FENCE)  
 IF-A3 - DELTACO FENCING - (ELECTRIC FENCE)  
 IF-A4 - BEJA BEEF (PTY) LTD - (CLEARING AND TRENCHING)  
 IF-A5 - MOSWOB BUILDING CONSTRUCTION - (J1.1, J1.2, J2.1, J2.2, J3)  
 IF-A6 - LUVHUNDI CONSTRUCTION - (J4, J6, J7, G7.1, G7.2)  
 IF-A7 - SPLISH SPLASH CONSTRUCTION - (G5.1, G5.2, G5.3, G5.4)  
 IF-A8 - HTE CONSTRUCTION - (G3.1, G3.1.1, G3.2, G3.3, G3.4, G3.5, G9, G10)



- NOTES:
- DRAWINGS MUST NOT BE SCALED.
  - THIS DRAWING TO BE READ IN CONJUNCTION WITH ALL PROJECT SPECIFICATIONS.
  - ALL STEEL TO BE HOT DIPPED GALVANIZED.
  - ALL BOLTS TO BE GRADE 8.8 AND GALVANIZED.
  - WELDS TO BE MINIMUM 6mm THICK FILLET WELDS WELDED ALL AROUND.
  - CONCRETE TO BE CLASS 30MPa/19mm.
  - BACKFILL TO BE DONE IN LAYERS OF 150mm THICK, COMPACTED TO 93% MOD AASHTO
  - REFER TO SHEET NO.: -01 TO -05- AT THE BOTTOM RIGHT CORNER OF THIS PAGE FOR TYPE OF CROSSINGS.
  - ACCORDING TO THE COPYRIGHT ACT (ACT No 98 OF 1978) NO PART OF THIS DOCUMENT MAY BE REPRODUCED, STORED IN A RETRIEVAL SYSTEM OR TRANSMITTED IN ANY FORM OR BY ANY MEANS WHATSOEVER INCLUDING MECHANICAL, ELECTRONIC, PHOTOCOPYING, MICROFILMING OR ANY OTHER SYSTEM OF INFORMATION STORAGE WITHOUT WRITTEN PERMISSION OF AURECON.



" THE MASTER HELD AT AURECON, BEARS THE ORIGINAL SIGNATURE OF APPROVAL "



ARCHITECT



REV	DATE	REVISION DETAILS	APPROVED
0	2017/09	ISSUED FOR CONSTRUCTION	N SWARTS
1	2017/09	CULVERT POSITIONS CHANGED	N SWARTS
2	17/11/14	CULVERT POSITIONS UPDATED	N SWARTS
3	18/06/01	CULVERT POSITIONS UPDATED	N SWARTS

SCALE	SIZE	FOR CONSTRUCTION
1:300	A1	
<b>DRAWN</b>		<b>APPROVED</b>
M COETZEE		PROJECT DIRECTOR
<b>DESIGNED</b>		DATE
H ANNENDALE		
<b>CHECKED</b>		
N. SWARTS		

**PROJECT**  
 PROJECT ZEBRA - EKLAND SAFARIS BOUNDARY WALL AND FENCE

**TITLE**  
 RIVER CROSSING: KEY PLAN

DRAWING NUMBER				
DISCIPLINE	SITE NAME	DISCIPLINE	SEQUENTIAL NUMBER	SHEET NUMBER
113527	C	IF	A8	001

