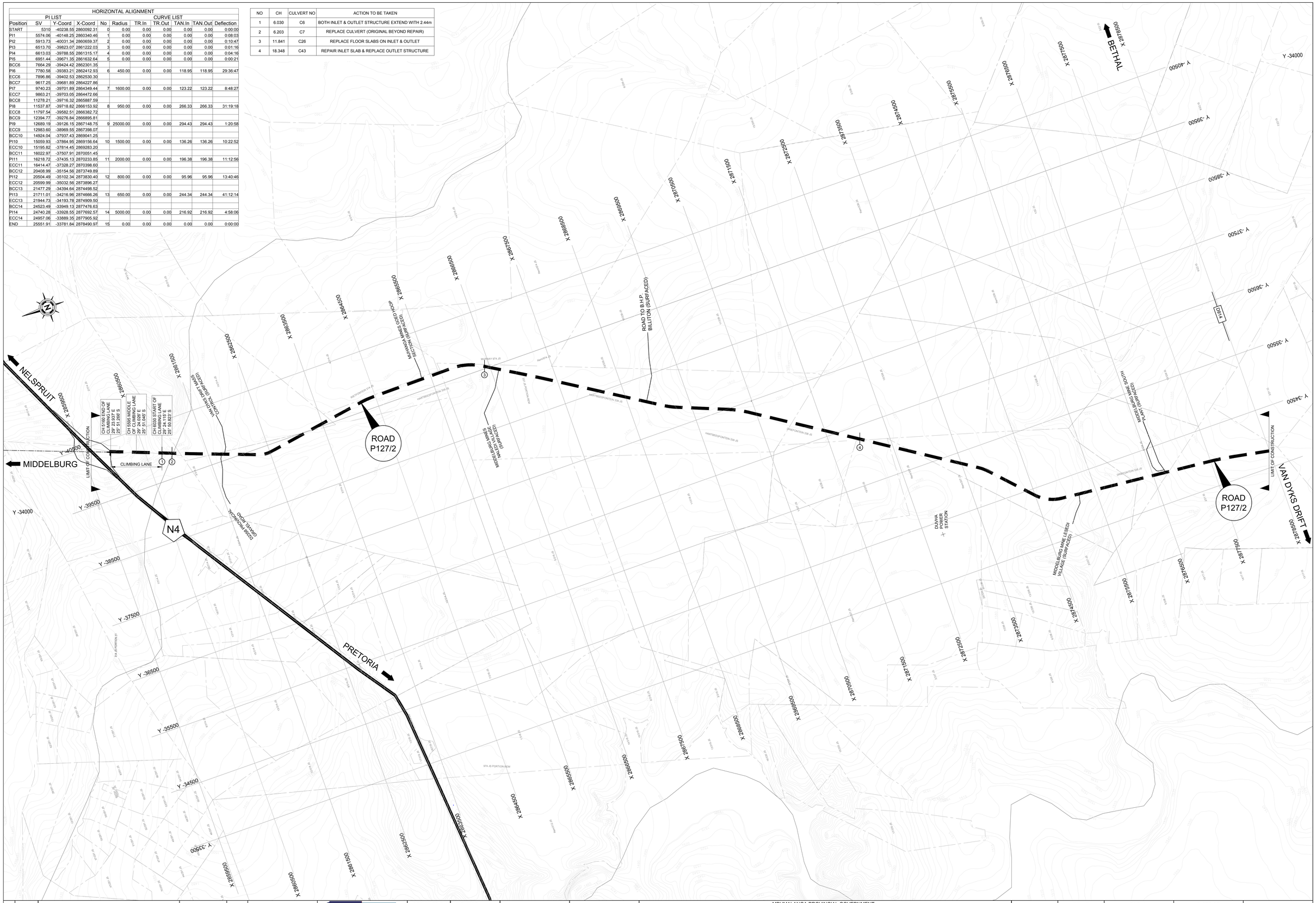
HORIZONTAL ALIGNMENT										
PI LIST				CURVE LIST						
Position	SV	Y-Coord	X-Coord	No	Radius	TR.In	TR.Out	TAN.In	TAN.Out	Deflection
START	5310	-40238.55	2860092.31	0	0.00	0.00	0.00	0.00	0.00	0:00:00
PI1	5574.06	-40148.25	2860340.46	1	0.00	0.00	0.00	0.00	0.00	0:08:03
PI2	5913.73	-40031.34	2860659.37	2	0.00	0.00	0.00	0.00	0.00	0:10:47
PI3	6513.70	-39823.07	2861222.03	3	0.00	0.00	0.00	0.00	0.00	0:01:16
PI4	6613.03	-39788.55	2861315.17	4	0.00	0.00	0.00	0.00	0.00	0:04:16
PI5	6951.44	-39671.35	2861632.54	5	0.00	0.00	0.00	0.00	0.00	0:00:21
BCC6	7664.29	-39424.42	2862301.35							
PI6	7780.58	-39383.21	2862412.93	6	450.00	0.00	0.00	118.95	118.95	29:36:47
ECC6	7896.86	-39402.53	2862530.30							
BCC7	9617.25	-39681.89	2864227.86							
PI7	9740.23	-39701.89	2864349.44	7	1600.00	0.00	0.00	123.22	123.22	8:48:27
ECC7	9863.21	-39703.05	2864472.66							
BCC8	11278.21	-39716.32	2865887.59							
PI8	11537.87	-39718.82	2866153.92	8	950.00	0.00	0.00	266.33	266.33	31:19:18
ECC8	11797.54	-39582.51	2866392.72							
BCC9	12394.77	-39276.84	2866895.81							
PI9	12689.19	-39126.15	2867148.75	9	25000.00	0.00	0.00	294.43	294.43	1:20:58
ECC9	12983.60	-38969.55	2867398.07							
BCC10	14924.04	-37937.43	2869041.25							
PI10	15059.93	-37864.95	2869156.64	10	1500.00	0.00	0.00	136.26	136.26	10:22:52
ECC10	15195.82	-37814.45	2869283.20							
BCC11	16022.97	-37507.91	2870051.45							
PI11	16218.72	-37435.13	2870233.85	11	2000.00	0.00	0.00	196.38	196.38	11:12:56
ECC11	16414.47	-37328.27	2870398.60							
BCC12	20408.99	-35154.56	2873749.89							
PI12	20504.49	-35102.34	2873830.40	12	800.00	0.00	0.00	95.96	95.96	13:40:46
ECC12	20599.99	-35032.56	2873896.27							
BCC13	21477.29	-34394.64	2874498.52							
PI13	21711.01	-34216.96	2874666.26	13	650.00	0.00	0.00	244.34	244.34	41:12:14
ECC13	21944.73	-34193.78	2874909.50							
BCC14	24523.49	-33949.13	2877476.63							
PI14	24740.28	-33928.55	2877692.57	14	5000.00	0.00	0.00	216.92	216.92	4:58:06
ECC14	24957.06	-33889.35	2877905.92							
END	25551.91	-33781.84	2878490.97	15	0.00	0.00	0.00	0.00	0.00	0:00:00

NO	CH	CULVERT NO	ACTION TO BE TAKEN
1	6.030	C6	BOTH INLET & OUTLET STRUCTURE EXTEND WITH 2.44m
2	6.203	C7	REPLACE CULVERT (ORIGINAL BEYOND REPAIR)
3	11.841	C26	REPLACE FLOOR SLABS ON INLET & OUTLET
4	18.348	C43	REPAIR INLET SLAB & REPLACE OUTLET STRUCTURE



No	DATE	REVISIONS	HEAD OF DEPT.	DATE

HEAD OF DEPARTMENT

DATE

INDECON
UBUNTU (PTY) LTD
ENGINEERING CONSULTANTS
P.O. BOX 6215
NELSPRUIT
1200
Tel:(013) 755 1190
Fax:(013) 755 4904

DESIGNED BY	C.F. SMIT
CHECKED BY	C.F. SMIT
DRAWN BY	D. KUTER
CHECKED BY	J.L. VENTER

DESIGN APPROVED

CONSULTING ENGINEER

DATE:

APPROVED BY

HEAD OF DEPARTMENT

DATE:

MPUMALANGA PROVINCIAL GOVERNMENT :
DEPARTMENT OF PUBLIC WORKS, ROADS AND TRANSPORT

PROJECT :
REHABILITATION OF ROAD P127/2 FROM N4 TO N4

TITLE :
KEY PLAN FOR ENVIRONMENTAL ACTIVITIES ROAD P127/2

SCALE	FILE No	DISTRICT	TYPE OF DESIGN
1:20 000	Locality Plan (GPS) R2.dwg	NKANGALA	DETAIL
	AGREEMENT No	ROAD No	DATE
	PENDING	P127/2	24/10/2012

FOR TENDER PURPOSES

TEK.No:
DWG.No. MRS 00/01/150