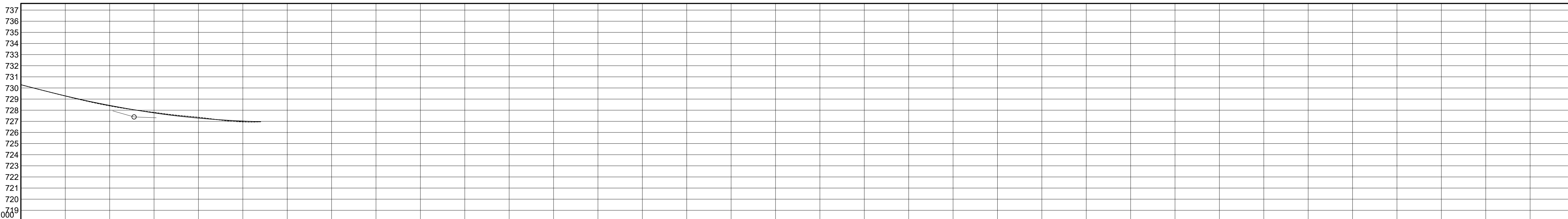
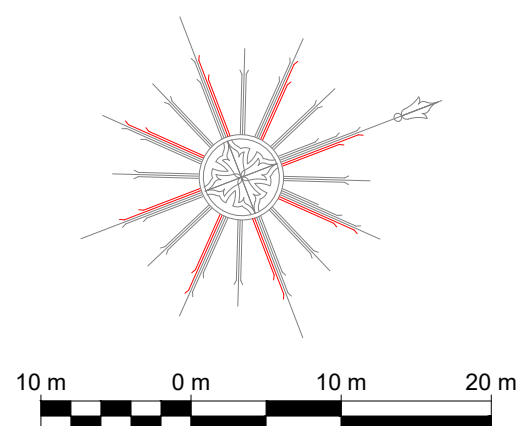



ROAD CURVE LIST						
Road1						
No	Radius	TR.In	TR.Out	TAN In	TAN Out	Deflection
0	0.00	0.00	0.00	0.00	0.00	0°0'00"0"
1	85.00	0.00	0.00	5.02	5.02	6°45'27"2"
2	45.00	0.00	0.00	11.45	11.45	28°32'27"2"
3	75.00	0.00	0.00	10.63	10.63	16°07'37"3"
4	0.00	0.00	0.00	0.00	0.00	0°0'00"0"
Road2						
No	Radius	TR.In	TR.Out	TAN In	TAN Out	Deflection
0	0.00	0.00	0.00	0.00	0.00	0°0'00"0"
1	52.67	0.00	0.00	12.32	12.32	26°20'19"1"
2	139.58	0.00	0.00	25.50	25.50	20°42'36"3"
Road3						
No	Radius	TR.In	TR.Out	TAN In	TAN Out	Deflection
0	0.00	0.00	0.00	0.00	0.00	0°0'00"0"
1	55.00	0.00	0.00	12.11	12.11	24°50'28"2"
2	0.00	0.00	0.00	0.00	0.00	0°0'00"0"
Road4						
No	Radius	TR.In	TR.Out	TAN In	TAN Out	Deflection
0	0.00	0.00	0.00	0.00	0.00	0°0'00"0"
1	71.00	0.00	0.00	10.20	10.20	16°21'13"1"
2	0.00	0.00	0.00	0.00	0.00	0°0'00"0"



CHAINAGE			0		10		20		30		35		40		45		50		54.04
CENTRELINE PEG LEVELS			730.29		729.25		728.29		727.82		727.53		727.39		727.10		726.90		726.96
VERTICAL ALIGNMENT	Des Rd Lev	LEFT EDGE	730.219	729.171	728.320	727.685	727.412	727.207	727.052	726.946	726.884								
		CENTRE LINE	730.233	729.245	728.384	727.739	727.488	727.281	727.126	727.020	726.968								
		RIGHT EDGE	730.219	729.171	728.320	727.685	727.412	727.207	727.052	726.946	726.884								
	GRADES		-11.386 %				-1.531 %												
	VERTICAL CURVES	BVC 0+397	50.000m VC K = 5.084												EVC 50+497				
SUPERELEVATION				-2.00															
HORIZONTAL CURVES				Direction 151°33'52"	25.400 BCC	Curve 1 Right Radius=71.000 I= 16°21'13"	45.000 ECC	Direction 167°55'04"											

CHAINAGE 0 to 54 - HORIZONTAL SCALE 1:500 & VERTICAL SCALE 1:200

DESIGNED BY:	M.M.S	INFORMATION Full Signatures	APPROVED	NO.	REVISION DETAILS		REV NO.	DATE	REVISED BY	APPRVD BY		CITY OF MBOMBELA P. O Box 45 Mbombela 1200 Tel: +27 (0) 13 759 2041 Fax: +27 (0) 13 759 2274	CONSULTING ENGINEERS		BID NUMBER: COM44/2023	SHEET 4 OF 4
DRAWN BY:	TM		For Client	For Client	0	ISSUED FOR TENDER PURPOSES	0	APR. 2023						UPGRADING OF UMJINDI SOLID WASTE DISPOSAL SITE & ANCILLARY SERVICES IN UMJINDI, BARBERTON	SCALE: AS SHOWN	
CHECKED BY:	M.M.S		For Consulting Engineer											LONGITUDINAL SECTION OF ROAD 4	DRAWING NO:	
ISSUED BY:	M.M.S		Consultant's Drawing No.:	For Consulting Engineer										16A Allie van Bergen Street P.O. Box 419 WHITE RIVER, 1240 Tel: (013) 750 0160 Fax: (013) 751 1980 Email: mack@jameela.co.za	COM44/2023/R004	REVISION 00