



TABLA ALINEAMIENTO RUTA 20										TABLA ALINEAMIENTO RUTA 20										TABLA ALINEAMIENTO RUTA 20									
Elemento	VERTICE	Rumbo (referido al Norte)	Longitud	Ruido	INICIO	FIN	X	Y		Elemento	VERTICE	Rumbo (referido al Norte)	Longitud	Ruido	INICIO	FIN	X	Y		Elemento	VERTICE	Rumbo (referido al Norte)	Longitud	Ruido	INICIO	FIN	X	Y	
L1		N40° 05' 45"E	12542	000.00	24354.42	25474.02	57378.90	57378.90		C6	14	245.00	145.00	200.00	140.00	140.00	140.00	140.00		C11	11	245.00	145.00	200.00	140.00	140.00	140.00	140.00	
L2		N45° 42' 00"E	12623.6	000.00	24354.42	25474.02	57378.90	57378.90		L7		N67° 11' 47"SE	1445.56	101.00	101.00	101.00	101.00	101.00		C12	12	245.00	145.00	200.00	140.00	140.00	140.00	140.00	
C1	1				24354.42	24354.42	25474.02	57378.90		S0		N45° 42' 00"E	1445.56	101.00	101.00	101.00	101.00	101.00		S0		N45° 42' 00"E	1445.56	101.00	101.00	101.00	101.00	101.00	
L2		N45° 42' 00"E	12623.6	000.00	24354.42	25474.02	57378.90	57378.90		S1		N45° 42' 00"E	1445.56	101.00	101.00	101.00	101.00	101.00		S1		N45° 42' 00"E	1445.56	101.00	101.00	101.00	101.00	101.00	
L3		N45° 42' 00"E	12623.6	000.00	24354.42	25474.02	57378.90	57378.90		S2		N45° 42' 00"E	1445.56	101.00	101.00	101.00	101.00	101.00		S2		N45° 42' 00"E	1445.56	101.00	101.00	101.00	101.00	101.00	
C2	2				24354.42	24354.42	25474.02	57378.90		S3		N45° 42' 00"E	1445.56	101.00	101.00	101.00	101.00	101.00		S3		N45° 42' 00"E	1445.56	101.00	101.00	101.00	101.00	101.00	
L3		N45° 42' 00"E	12623.6	000.00	24354.42	25474.02	57378.90	57378.90		S4		N45° 42' 00"E	1445.56	101.00	101.00	101.00	101.00	101.00		S4		N45° 42' 00"E	1445.56	101.00	101.00	101.00	101.00	101.00	
C3	3				24354.42	24354.42	25474.02	57378.90		S5		N45° 42' 00"E	1445.56	101.00	101.00	101.00	101.00	101.00		S5		N45° 42' 00"E	1445.56	101.00	101.00	101.00	101.00	101.00	
L4		N45° 42' 00"E	12623.6	000.00	24354.42	25474.02	57378.90	57378.90		S6		N45° 42' 00"E	1445.56	101.00	101.00	101.00	101.00	101.00		S6		N45° 42' 00"E	1445.56	101.00	101.00	101.00	101.00	101.00	
C4	4				24354.42	24354.42	25474.02	57378.90		S7		N45° 42' 00"E	1445.56	101.00	101.00	101.00	101.00	101.00		S7		N45° 42' 00"E	1445.56	101.00	101.00	101.00	101.00	101.00	
L5		N45° 42' 00"E	12623.6	000.00	24354.42	25474.02	57378.90	57378.90		S8		N45° 42' 00"E	1445.56	101.00	101.00	101.00	101.00	101.00		S8		N45° 42' 00"E	1445.56	101.00	101.00	101.00	101.00	101.00	
C5	5				24354.42	24354.42	25474.02	57378.90		S9		N45° 42' 00"E	1445.56	101.00	101.00	101.00	101.00	101.00		S9		N45° 42' 00"E	1445.56	101.00	101.00	101.00	101.00	101.00	
L6		N45° 42' 00"E	12623.6	000.00	24354.42	25474.02	57378.90	57378.90		S10		N45° 42' 00"E	1445.56	101.00	101.00	101.00	101.00	101.00		S10		N45° 42' 00"E	1445.56	101.00	101.00	101.00	101.00	101.00	
C6	6				24354.42	24354.42	25474.02	57378.90		S11		N45° 42' 00"E	1445.56	101.00	101.00	101.00	101.00	101.00		S11		N45° 42' 00"E	1445.56	101.00	101.00	101.00	101.00	101.00	
L7		N67° 11' 47"SE	1445.56	101.00	101.00	101.00	101.00	101.00		S12		N45° 42' 00"E	1445.56	101.00	101.00	101.00	101.00	101.00		S12		N45° 42' 00"E	1445.56	101.00	101.00	101.00	101.00	101.00	
C7	7				101.00	101.00	101.00	101.00		S13		N45° 42' 00"E	1445.56	101.00	101.00	101.00	101.00	101.00		S13		N45° 42' 00"E	1445.56	101.00	101.00	101.00	101.00	101.00	
L8		N45° 42' 00"E	12623.6	000.00	24354.42	25474.02	57378.90	57378.90		S14		N45° 42' 00"E	1445.56	101.00	101.00	101.00	101.00	101.00		S14		N45° 42' 00"E	1445.56	101.00	101.00	101.00	101.00	101.00	
C8	8				24354.42	24354.42	25474.02	57378.90		S15		N45° 42' 00"E	1445.56	101.00	101.00	101.00	101.00	101.00		S15		N45° 42' 00"E	1445.56	101.00	101.00	101.00	101.00	101.00	
L9		N45° 42' 00"E	12623.6	000.00	24354.42	25474.02	57378.90	57378.90		S16		N45° 42' 00"E	1445.56	101.00	101.00	101.00	101.00	101.00		S16		N45° 42' 00"E	1445.56	101.00	101.00	101.00	101.00	101.00	
C9	9				24354.42	24354.42	25474.02	57378.90		S17		N45° 42' 00"E	1445.56	101.00	101.00	101.00	101.00	101.00		S17		N45° 42' 00"E	1445.56	101.00	101.00	101.00	101.00	101.00	
L10		N45° 42' 00"E	12623.6	000.00	24354.42	25474.02	57378.90	57378.90		S18		N45° 42' 00"E	1445.56	101.00	101.00	101.00	101.00	101.00		S18		N45° 42' 00"E	1445.56	101.00	101.00	101.00	101.00	101.00	
C10	10				24354.42	24354.42	25474.02	57378.90		S19		N45° 42' 00"E	1445.56	101.00	101.00	101.00	101.00	101.00		S19		N45° 42' 00"E	1445.56	101.00	101.00	101.00	101.00	101.00	
L11		N45° 42' 00"E	12623.6	000.00	24354.42	25474.02	57378.90	57378.90		S20		N45° 42' 00"E	1445.56	101.00	101.00	101.00	101.00	101.00		S20		N45° 42' 00"E	1445.56	101.00	101.00	101.00	101.00	101.00	
C11	11				24354.42	24354.42	25474.02	57378.90		S21		N45° 42' 00"E	1445.56	101.00	101.00	101.00	101.00	101.00		S21		N45° 42' 00"E	1445.56	101.00	101.00	101.00	101.00	101.00	
L12		N45° 42' 00"E	12623.6	000.00	24354.42	25474.02	57378.90	57378.90		S22		N45° 42' 00"E	1445.56	101.00	101.00	101.00	101.00	101.00		S22		N45° 42' 00"E	1445.56	101.00	101.00	101.00	101.00	101.00	
C12	12				24354.42	24354.42	25474.02	57378.90		S23		N45° 42' 00"E	1445.56	101.00	101.00	101.00	101.00	101.00		S23		N45° 42' 00"E	1445.56	101.00	101.00	101.00	101.00	101.00	
L13		N45° 42' 00"E	12623.6	000.00	24354.42	25474.02	57378.90	57378.90		S24		N45° 42' 00"E	1445.56	101.00	101.00	101.00	101.00	101.00		S24		N45° 42' 00"E	1445.56	101.00	101.00	101.00	101.00	101.00	
C13	13				24354.42	24354.42	25474.02	57378.90		S25		N45° 42' 00"E	1445.56	101.00	101.00	101.00	101.00	101.00		S25		N45° 42' 00"E	1445.56	101.00	101.00	101.00	101.00	101.00	
L14		N45° 42' 00"E	12623.6	000.00	24354.42	25474.02	57378.90	57378.90		S26		N45° 42' 00"E	1445.56	101.00	101.00	101.00	101.00	101.00		S26		N45° 42' 00"E	1445.56	101.00	101.00	101.00	101.00	101.00	
C14	14				24354.42	24354.42	25474.02	57378.90		S27		N45° 42' 00"E	1445.56	101.00	101.00	101.00	101.00	101.00		S27		N45° 42' 00"E	1445.56	101.00	101.00	101.00	101.00	101.00	
L15		N45° 42' 00"E	12623.6	000.00	24354.42	25474.02	57378.90	57378.90		S28		N45° 42' 00"E	1445.56	101.00	101.00	101.00	101.00	101.00		S28		N45° 42' 00"E	1445.56	101.00	101.00	101.00	101.00	101.00	
C15	15				24354.42	24354.42	25474.02	57378.90		S29		N45° 42' 00"E	1445.56	101.00	101.00	101.00	101.00	101.00		S29		N45° 42' 00"E	1445.56	101.00	101.00	101.00	101.00	101.00	
L16		N45° 42' 00"E	12623.6	000.00	24354.42	25474.02	57378.90	57378.90		S30		N45° 42' 00"E	1445.56	101.00	101.00	101.00	101.00	101.00		S30		N45° 42' 00"E	1445.56	101.00	101.00	101.00	101.00	101.00	
C16	16				24354.42	24354.42	25474.02	57378.90		S31		N45° 42' 00"E	1445.56	101.00	101.00	101.00	101.00	101.00		S31		N45° 42' 00"E	1445.56	101.00	101.00	101.00	101.00	101.00	
L17		N45° 42' 00"E	12623.6	000.00	24354.42	25474.02	57378.90	57378.90		S32		N45° 42' 00"E	1445.56	101.00	101.00	101.00	101.00	101.00		S32		N45° 42' 00"E	1445.56	101.00	101.00	101.00	101.00	101.00	
C17	17				24354.42	24354.42	25474.02	57378.90		S33		N45° 42' 00"E	1445.56	101.00	101.00	101.00	101.00	101.00		S33		N45° 42' 00"E	1445.56	101.00	101.00	101.00	101.00	101.00	
L18		N45° 42' 00"E	12623.6	000.00	24354.42	25474.02	57378.90	57378.90		S34		N45° 42' 00"E	1445.56	101.00	101.00	101.00	101.00	101.00		S34		N45° 42' 00"E	1445.56	101.00	101.00	101.00	101.00	101.00	
C18	18				24354.42	24354.42	25474.02	57378.90		S35		N45° 42' 00"E	1445.56	101.00	101.00	101.00	101.00	101.00		S35		N45° 42' 00"E	1445.56	101.00	101.00	101.00	101.00	101.00	
L19		N45° 42' 00"E	12623.6	000.00	24354.42	25474.02	57378.90	57378.90		S36		N45° 42' 00"E	1445.56	101.00	101.00	101.00	101.00	101.00		S36		N45° 42' 00"E	1445.56	101.00	101.00	101.00	101.00	101.00	
C19	19				24354.42	24354.42	25474.02	57378.90		S37		N45° 42' 00"E	1445.56	101.00	101.00	101.00	101.00	101.00		S37		N45° 42' 00"E	1445.56	101.00	101.00	101.00	101.00	101.00	
L20		N45° 42' 00"E	12623.6	000.00	24354.42	25474.02	57378.90	57378.90		S38		N45° 42' 00"E	1445.56	101.00	101.00	101.00	101.00	101.00		S38		N45° 42' 00"E	1445.56	101.00	101.00	101.00	101.00	101.00	
C20	20				24354.42	24354.42	25474.02	57378.90		S39		N45° 42' 00"E	1445.56	101.00	101.00	101.00	101.00	101.00		S39		N45° 42' 00"E	1445.56	101.00	101.00	101.00	101.00	101.00	