

ESTACIONAMENTO I-4														
VERTICE	AC (DELTA)	RAIO	ESPIRAL (m)	DC (m)	TG (m)	km PC TS SC	NORTE	LESTE	km CS ST PT	NORTE	LESTE	PI (N)	PI (E)	RUMO
L196					10.383	0+000.00	6484724.0576	372037.0328	0+010.38	6484727.9299	372027.3992			
C75	110°04'24"	0.676		1.299	0.967	0+010.38	6484727.9299	372027.3992	0+011.68	6484728.9865	372027.0640	6484728.2185	372026.4760	N17° 36' 05"W
L197					42.446	0+011.68	6484728.9865	372027.0640	0+054.13	6484766.2614	372047.3686			
C76	90°00'00"	1.000		1.571	1.000	0+054.13	6484766.2614	372047.3686	0+055.70	6484766.6612	372048.7251	6484767.1395	372047.8469	N73° 34' 42"E
L198					9.026	0+055.70	6484766.6612	372048.7251	0+064.72	6484762.3436	372056.6512			

ESTACIONAMENTO I-3														
VERTICE	AC (DELTA)	RAIO	ESPIRAL (m)	DC (m)	TG (m)	km PC TS SC	NORTE	LESTE	km CS ST PT	NORTE	LESTE	PI (N)	PI (E)	RUMO
L157					6.507	0+000.00	6484735.7553	372023.1053	0+006.51	6484741.4685	372026.2193			
L158					1.993	0+006.51	6484741.4685	372026.2193	0+008.50	6484742.4218	372024.4893			
C64	49°03'30"	5.781		4.950	2.638	0+008.50	6484742.4218	372024.4893	0+013.45	6484745.3034	372028.3083	6484742.9866	372027.0463	N53° 06' 27"E
L159					5.777	0+013.45	6484745.3034	372028.3083	0+019.23	6484750.3763	372031.0716			
C65	90°00'00"	1.000		1.571	1.000	0+019.23	6484750.3763	372031.0716	0+020.80	6484751.7328	372030.6718	6484751.2544	372031.5500	N16° 25' 18"W
L160					6.564	0+020.80	6484751.7328	372030.6718	0+027.36	6484754.8729	372024.9071			
L161					4.995	0+027.36	6484754.8729	372024.9071	0+032.36	6484756.2852	372029.6987			
L162					2.500	0+032.36	6484756.2852	372029.6987	0+034.86	6484758.6832	372028.9919			
L163					2.500	0+034.86	6484758.6832	372028.9919	0+037.36	6484757.9764	372026.5939			
L164					2.500	0+037.36	6484757.9764	372026.5939	0+039.86	6484760.3744	372025.8872			
L165					2.500	0+039.86	6484760.3744	372025.8872	0+042.36	6484759.6677	372023.4891			
L166					2.500	0+042.36	6484759.6677	372023.4891	0+044.86	6484762.0657	372022.7824			
L167					2.500	0+044.86	6484762.0657	372022.7824	0+047.36	6484761.3589	372020.3844			
L168					2.500	0+047.36	6484761.3589	372020.3844	0+049.86	6484763.7569	372019.6776			
L169					2.500	0+049.86	6484763.7569	372019.6776	0+052.36	6484763.0502	372017.2796			
L170					2.500	0+052.36	6484763.0502	372017.2796	0+054.86	6484765.4482	372016.5728			
L171					2.500	0+054.86	6484765.4482	372016.5728	0+057.36	6484764.7414	372014.1748			
L172					2.500	0+057.36	6484764.7414	372014.1748	0+059.86	6484767.1394	372013.4680			
L173					2.500	0+059.86	6484767.1394	372013.4680	0+062.36	6484766.4327	372011.0700			
L174					2.500	0+062.36	6484766.4327	372011.0700	0+064.86	6484768.8307	372010.3633			
L175					2.500	0+064.86	6484768.8307	372010.3633	0+067.36	6484768.1239	372007.9652			
L176					2.500	0+067.36	6484768.1239	372007.9652	0+069.86	6484770.5220	372007.2585			
L177					7.095	0+069.86	6484770.5220	372007.2585	0+076.95	6484768.5351	372000.4471			
L178					5.252	0+076.95	6484768.5351	372000.4471	0+082.20	6484773.0971	372003.0494			
C66	60°21'01"	5.998		6.318	3.487	0+082.20	6484773.0971	372003.0494	0+088.52	6484776.2245	372008.2045	6484776.1595	372004.7178	N58° 45' 25"E
C67	74°38'12"	1.000		1.303	0.762	0+088.52	6484776.2245	372008.2045	0+089.82	6484775.5074	372009.1822	6484776.2386	372008.9667	S53° 44' 24"E
L179					4.286	0+089.82	6484775.5074	372009.1822	0+094.11	6484771.3964	372010.3938			
L180					2.500	0+094.11	6484771.3964	372010.3938	0+096.61	6484768.9984	372011.1006			
L181					2.500	0+096.61	6484768.9984	372011.1006	0+099.11	6484769.7052	372013.4986			
L182					2.500	0+099.11	6484769.7052	372013.4986	0+101.61	6484767.3072	372014.2054			
L183					2.500	0+101.61	6484767.3072	372014.2054	0+104.11	6484768.0139	372016.6034			
L184					2.500	0+104.11	6484768.0139	372016.6034	0+106.61	6484765.6159	372017.3101			
L185					2.500	0+106.61	6484765.6159	372017.3101	0+109.11	6484766.3227	372019.7082			
C68	10°41'32"	16.163		3.016	1.513	0+109.11	6484766.3227	372019.7082	0+112.13	6484767.0457	372022.6319	6484766.8210	372021.1362	N76° 06' 34"E
C69	58°15'09"	1.975		2.008	1.101	0+112.13	6484767.0457	372022.6319	0+114.13	6484766.3209	372024.4130	6484767.1795	372023.7244	S67° 51' 24"E
C70	17°16'39"	5.038		1.519	0.765	0+114.13	6484766.3209	372024.4130	0+115.65	6484765.0187	372025.1841	6484765.7284	372024.8975	S30° 37' 46"E
C71	5°15'21"	24.037		2.205	1.103	0+115.65	6484765.0187	372025.1841	0+117.86	6484762.9402	372025.9177	6484763.9963	372025.5986	S19° 26' 29"E
L186					2.500	0+117.86	6484762.9402	372025.9177	0+120.36	6484760.5422	372026.6245			
L187					2.500	0+120.36	6484760.5422	372026.6245	0+122.86	6484761.2489	372029.0225			
L188					2.500	0+122.86	6484761.2489	372029.0225	0+125.36	6484758.8509	372029.7293			
L189					2.500	0+125.36	6484758.8509	372029.7293	0+127.86	6484759.5577	372032.1273			
L190					2.500	0+127.86	6484759.5577	372032.1273	0+130.36	6484757.1596	372032.8340			
L191					2.500	0+130.36	6484757.1596	372032.8340	0+132.86	6484757.8664	372035.2321			
L192					4.995	0+132.86	6484757.8664	372035.2321	0+137.85	6484762.6580	372033.8198			
L193					2.462	0+137.85	6484762.6580	372033.8198	0+140.32	6484761.4804	372035.9816			
C72	90°00'00"	1.000		1.571	1.000	0+140.32	6484761.4804	372035.9816	0+141.89	6484761.8802	372037.3381	6484761.0020	372036.8598	N73° 34' 42"E
L194					2.759	0+141.89	6484761.8802	372037.3381	0+144.65	6484764.3028	372038.6578			
C73	107°19'42"	0.843		1.579	1.146	0+144.65	6484764.3028	372038.6578	0+146.22	6484763.6544	372039.8506	6484764.7895	372039.6949	S61° 28' 26"E
L195					32.656	0+146.22	6484763.6544	372039.8506	0+178.88	6484734.9776	372024.2277			
C74	106°51'28"	0.845		1.576	1.139	0+178.88	6484734.9776	372024.2277	0+180.46	6484735.6290	372023.0365	6484734.5005	372023.1931	N61° 19' 35"W

ESTACIONAMENTO I-1														
VERTICE	AC (DELTA)	RAIO	ESPIRAL (m)	DC (m)	TG (m)	km PC TS SC	NORTE	LESTE	km CS ST PT	NORTE	LESTE	PI (N)	PI (E)	RUMO
L112					4.244	0+000.00	6484749.5878	371985.0575	0+004.24	6484750.7876	371989.1283			
L113					29.443	0+004.24	6484750.7876	371989.1283	0+033.69	6484736.7105	372014.9886			
C55	138°2'152"	3.046		7.356	8.011	0+033.69	6484736.7105	372014.9886	0+041.04	6484740.9766	372018.7604	6484733.8835	372022.4845	N41° 28' 53"E
L114					7.495	0+041.04	6484740.9766	372018.7604	0+048.54	6484738.8576	372011.5708			
L115					2.500	0+048.54	6484738.8576	372011.5708	0+051.04	6484741.2556	372010.8641			
L116					2.500	0+051.04	6484741.2556	372010.8641	0+053.54	6484740.5489	372008.4660			
L117					2.500	0+053.54	6484740.5489	372008.4660	0+056.04	6484742.9469	372007.7593			
L118					2.500	0+056.04	6484742.9469	372007.7593	0+058.54	6484742.2401	372005.3613			
L119					2.500	0+058.54	6484742.2401	372005.3613	0+061.04	6484744.6381	372004.6545			
L120					2.500	0+061.04	6484744.6381	372004.6545	0+063.54	6484743.9314	372002.2565			
L121					2.500	0+063.54	6484743.9314	372002.2565	0+066.04	6484746.3294	372001.5497			
L122					2.500	0+066.04	6484746.3294	372001.5497	0+068.54	6484745.6226	371999.1517			
L123					2.500	0+068.54	6484745.6226	371999.1517	0+071.04	6484748.0206	371998.4449			
L124					2.500	0+071.04	6484748.0206	371998.4449	0+073.54	6484747.3112	371996.0477			
L125					2.503	0+073.54	6484747.3112	371996.0477	0+076.04	6484749.7119	371995.3402			
L126					2.158	0+076.04	6484749.7119	371995.3402	0+078.20	6484749.1018	371993.2700			
L127					2.500	0+078.20	6484749.1018	371993.2700	0+080.70	6484751.4998	371992.5633			
L128					2.500	0+080.70	6484751.4998	371992.5633	0+083.20	6484750.7903	371990.1660			
L129					2.503	0+083.20	6484750.7903	371990.1660	0+085.70	6484753.1910	371989.4585			
L130					1.964	0+085.70	6484753.1910	371989.4585	0+087.67	6484753.7462	371991.3420			
L131					2.690	0+087.67	6484753.7462	371991.3420	0+090.36	6484756.3263	371990.5816			
C56	51°5'157"	3.575		3.236	1.738	0+090.36	6484756.3263	371990.5816	0+093.59	6484759.4490	371990.7386	6484757.9259	371989.9008	N2° 52' 47"E
L132					15.521	0+093.59	6484759.4490	371990.7386	0+109.11	6484773.0911	371998.1416			
C57	47°20'56"	15.532		12.835	6.810	0+109.11	6484773.0911	371998.1416	0+121.95	6484781.0231	372007.7679	6484779.1674	372001.2159	N50° 30' 42"E
C58	19°09'33"	6.000		2.006	1.013	0+121.95	6484781.0231	372007.7679	0+123.95	6484780.3730	372009.6561	6484780.8574	372008.7669	S71° 00' 04"E
L133					27.652	0+123.95	6484780.3730	372009.6561	0+151.61	6484767.1457	372033.9387			
L134					3.000	0+151.61	6484767.1457	372033.9387	0+154.61	6484769.7803	372035.3738			
C59	60°18'12"	1.994		2.099	1.158	0+154.61	6484769.7803	372035.3738	0+156.71	6484771.4825	372034.3180	6484770.9381	372035.3403	N31° 48' 39"W
L135					31.062	0+156.71	6484771.4825	372034.3180	0+187.77	6484786.3382	372007.0392			
L136					3.763	0+187.77	6484786.3382	372007.0392	0+191.53	6484789.9481	372005.9752			
L137					1.674	0+191.53	6484789.9481	372005.9752	0+193.20	6484790.7488	372004.5054			