

ANEJO Nº 19: REPLANTEO

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1.- INTRODUCCIÓN

En el Anejo nº 8, Trazado geométrico, se han incorporado todos los listados que definen geométricamente los ejes que componen cada una de las actuaciones proyectadas, tanto en planta como en alzado, y en el presente anejo se adjuntan los listados de replanteo de todos los puntos que definen cada uno de los ejes, desde una red de bases de replanteo materializada sobre el terreno.

Las referencias topográficas de esta red de bases de replanteo se encuentran en el Anejo nº 2, Cartografía y topografía.

2.- APÉNDICE Nº 1. LISTADOS DE REPLANTEO

EJE : 1: Glorieta

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* * * PUNTOS DEL EJE EN PLANTA * * *
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TIPO	P.K.	X	Y	RADIO	COTA	AZIMUT	DIST. EJE	PEND. (%)	PERAL_I	PERAL_D	Z PROJ.	Z TERR.
CIRC. Horizontal	0.000	690100.262	4276337.918	-30.000	338.000	138.000000	0.000	0.000	2.00	2.00	338.000	337.907
CIRC. KV 2212	20.000	690119.216	4276332.803	-30.000	338.090	95.558682	0.000	0.904	2.00	2.00	338.090	338.507
CIRC. KV 2212	40.000	690137.274	4276340.504	-30.000	338.362	53.117364	0.000	1.808	2.00	2.00	338.362	338.939
CIRC. KV -2000	60.000	690146.704	4276357.723	-30.000	338.749	10.676046	0.000	1.712	2.00	2.00	338.749	339.009
CIRC. KV -2000	80.000	690143.467	4276377.086	-30.000	338.992	368.234727	0.000	0.712	2.00	2.00	338.992	338.467
CIRC. KV -2000	100.000	690128.950	4276390.301	-30.000	339.034	325.793409	0.000	-0.288	2.00	2.00	339.034	337.512
CIRC. KV -2000	120.000	690109.369	4276391.710	-30.000	338.877	283.352091	0.000	-1.288	2.00	2.00	338.877	336.758
CIRC. Pendiente	140.000	690093.109	4276380.709	-30.000	338.527	240.910773	0.000	-2.000	2.00	2.00	338.527	336.652
CIRC. KV 2212	160.000	690087.133	4276362.009	-30.000	338.184	198.469455	0.000	-1.288	2.00	2.00	338.184	337.029
CIRC. KV 2212	180.000	690094.001	4276343.618	-30.000	338.016	156.028137	0.000	-0.384	2.00	2.00	338.016	337.628
CIRC. KV 2212	188.496	690100.262	4276337.918	-30.000	338.000	138.000000	0.000	-0.000	2.00	2.00	338.000	337.907

EJE : 2: N-435 Lado Badajoz

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* * * PUNTOS DEL EJE EN PLANTA * * *
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TIPO	P.K.	X	Y	RADIO	COTA	AZIMUT	DIST. EJE	PEND. (%)	PERAL_I	PERAL_D	Z PROJ.	Z TERR.
RECTA Rampa	0.000	689905.877	4276546.687	0.000	334.084	176.981085	0.000	0.500	-2.00	2.00	334.084	334.084
RECTA KV 5333	20.000	689912.952	4276527.980	0.000	334.190	176.981085	0.000	0.644	-2.00	0.54	334.190	334.148
CLOT. KV 5333	23.772	689914.286	4276524.452	-100000.000	334.215	176.981085	0.000	0.715	-2.00	-0.00	334.215	334.156
CLOT. KV 5333	40.000	689920.162	4276509.326	-301.949	334.356	175.270360	0.000	1.019	-2.32	-2.32	334.356	334.190
CLOT. KV 5333	60.000	689928.590	4276491.199	-135.255	334.597	168.455169	0.000	1.394	-5.18	-5.18	334.598	334.201
CIRC. KV 5333	72.772	689935.243	4276480.305	-100.000	334.791	161.383901	0.000	1.634	-7.00	-7.00	334.791	334.112
CIRC. KV 5333	80.000	689939.575	4276474.520	-100.000	334.914	156.782458	0.000	1.769	-7.00	-7.00	334.914	333.912
CIRC. Rampa	100.000	689953.600	4276460.309	-100.000	335.300	144.050063	0.000	2.000	-7.00	-7.00	335.300	331.991
CIRC. Rampa	120.000	689970.170	4276449.169	-100.000	335.700	131.317667	0.000	2.000	-7.00	-7.00	335.700	332.639
CLOT. Rampa	129.921	689979.133	4276444.924	-100.000	335.898	125.001586	0.000	2.000	-7.00	-7.00	335.898	332.825
CLOT. Rampa	140.000	689988.612	4276441.509	-125.895	336.100	119.245152	0.000	2.000	-5.97	-5.56	336.100	333.112
CLOT. Rampa	160.000	690008.044	4276436.826	-258.968	336.500	111.730108	0.000	2.000	-3.93	-2.70	336.500	333.681
CLOT. Rampa	178.921	690026.723	4276433.814	100000.000	336.878	109.404402	0.000	2.000	-2.00	0.00	336.878	334.294
CLOT. Rampa	180.000	690027.790	4276433.655	1877.220	336.900	109.422693	0.000	2.000	-2.00	0.12	336.900	334.349
CLOT. Rampa	200.000	690047.433	4276429.953	96.068	337.300	116.388554	0.000	2.000	-2.00	2.00	337.300	334.502
CIRC. Rampa	219.421	690065.334	4276422.605	50.000	337.688	135.187502	0.000	2.000	-2.00	2.00	337.688	335.061
CIRC. Rampa	220.000	690065.825	4276422.298	50.000	337.700	135.924355	0.000	2.000	-2.00	2.00	337.700	335.070
RECTA Rampa	236.491	690078.067	4276411.360	0.000	338.030	156.921440	0.000	2.000	-2.00	2.00	338.030	335.411
RECTA Rampa	240.000	690080.264	4276408.624	0.000	338.100	156.921440	0.000	2.000	-2.00	2.00	338.100	335.512
RECTA Rampa	260.000	690092.788	4276393.031	0.000	338.500	156.921440	0.000	2.000	-2.00	2.00	338.500	336.261
RECTA Rampa	280.000	690105.312	4276377.438	0.000	338.900	156.921440	0.000	2.000	-2.00	2.00	338.900	337.075
RECTA Rampa	298.864	690117.125	4276362.730	0.000	339.277	156.921440	0.000	2.000	-2.00	2.00	339.277	337.823

EJE : 3: Ramal entrada a glorieta desde N-435 Lado Badajoz

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* * * PUNTOS DEL EJE EN PLANTA * * *
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TIPO	P.K.	X	Y	RADIO	COTA	AZIMUT	DIST. EJE	PEND. (%)	PERAL_I	PERAL_D	Z PROY.	Z TERR.
CIRC. Rampa	0.000	690086.759	4276394.948	20.000	338.324	156.921440	0.000	2.000	2.00	2.00	338.324	336.078
CIRC. KV -598	20.000	690090.130	4276376.069	20.000	338.412	220.583417	0.000	-1.227	2.00	2.00	338.412	336.731
CIRC. Pendiente	21.630	690089.550	4276374.546	-30.000	338.390	225.772222	0.000	-1.500	2.00	2.00	338.390	336.767

EJE : 4: Ramal salida de glorieta hacia N-435 Lado Badajoz

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* * * PUNTOS DEL EJE EN PLANTA * * *
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TIPO	P.K.	X	Y	RADIO	COTA	AZIMUT	DIST. EJE	PEND. (%)	PERAL_I	PERAL_D	Z PROY.	Z TERR.
CIRC. KV -635	0.000	690114.599	4276392.624	30.000	338.940	294.633234	0.000	-1.300	2.00	2.00	338.940	336.887
CIRC. KV 1216	20.000	690095.573	4276397.462	30.000	338.435	337.074553	0.000	-2.769	2.00	2.00	338.435	336.178
CIRC. KV 1216	29.353	690088.683	4276403.731	30.000	338.212	356.921439	0.000	-2.000	2.00	2.00	338.212	335.828

EJE : 5: N-435 Lado Huelva

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* * * PUNTOS DEL EJE EN PLANTA * * *
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TIPO	P.K.	X	Y	RADIO	COTA	AZIMUT	DIST. EJE	PEND. (%)	PERAL_I	PERAL_D	Z PROY.	Z TERR.
RECTA Pendiente	0.000	690017.244	4276038.838	0.000	335.458	399.478860	0.000	-0.500	-0.34	2.00	335.458	335.458
CLOT. Pendiente	2.437	690017.224	4276041.275	100000.000	335.446	399.478860	0.000	-0.500	0.00	2.00	335.446	335.447
CLOT. Pendiente	20.000	690017.170	4276058.838	569.373	335.358	0.460735	0.000	-0.500	2.46	2.46	335.358	335.360
CLOT. Pendiente	40.000	690017.799	4276078.826	266.218	335.258	3.970187	0.000	-0.500	5.26	5.26	335.258	335.287
CIRC. KV 5000	52.437	690018.896	4276091.213	200.000	335.202	7.436607	0.000	-0.350	7.00	7.00	335.202	335.232
CIRC. KV 5000	60.000	690019.919	4276098.706	200.000	335.181	9.844040	0.000	-0.199	7.00	7.00	335.181	335.186
CIRC. KV 5000	80.000	690023.982	4276118.280	200.000	335.181	16.210238	0.000	0.201	7.00	7.00	335.181	333.935
CIRC. KV 5000	100.000	690029.978	4276137.351	200.000	335.261	22.576436	0.000	0.601	7.00	7.00	335.261	333.547
CIRC. KV 5000	120.000	690037.848	4276155.729	200.000	335.421	28.942633	0.000	1.001	7.00	7.00	335.421	333.651
CIRC. Rampa	140.000	690047.514	4276173.229	200.000	335.639	35.308831	0.000	1.100	7.00	7.00	335.639	334.517
CLOT. Rampa	157.767	690057.529	4276187.897	200.000	335.834	40.964385	0.000	1.100	7.00	7.00	335.834	335.086
CLOT. Rampa	160.000	690058.878	4276189.676	209.348	335.859	41.659163	0.000	1.100	6.79	6.88	335.859	335.166
CLOT. Rampa	180.000	690071.690	4276205.027	360.134	336.079	46.467864	0.000	1.100	4.89	5.83	336.079	336.002
CLOT. Rampa	200.000	690085.337	4276219.646	1287.425	336.299	48.730085	0.000	1.100	3.00	4.78	336.299	336.918
CLOT. Rampa	207.767	690090.730	4276225.236	-100000.000	336.384	48.922132	0.000	1.100	2.26	4.37	336.384	337.248
CLOT. Rampa	220.000	690099.171	4276234.090	-294.297	336.519	47.599065	0.000	1.100	1.10	3.72	336.519	337.754
CLOT. Rampa	240.000	690111.973	4276249.439	-111.688	336.739	39.735907	0.000	1.100	-0.79	2.67	336.739	338.438
CIRC. Rampa	252.767	690118.744	4276260.251	-80.000	336.879	31.017201	0.000	1.100	-2.00	2.00	336.879	338.759
CIRC. KV 6111	260.000	690121.837	4276266.786	-80.000	336.962	25.261717	0.000	1.207	-2.00	2.00	336.962	338.917
CIRC. KV 6111	280.000	690127.192	4276286.002	-80.000	337.236	9.346223	0.000	1.534	-2.00	2.00	337.236	339.152
CIRC. KV 6111	300.000	690127.627	4276305.945	-80.000	337.576	393.430728	0.000	1.861	-2.00	2.00	337.576	339.071
RECTA KV 6111	306.773	690126.646	4276312.644	0.000	337.706	388.041193	0.000	1.972	-2.00	2.00	337.706	338.994
RECTA Rampa	320.000	690124.176	4276325.639	0.000	337.970	388.041193	0.000	2.000	-2.00	2.00	337.970	338.763
RECTA Rampa	340.000	690120.441	4276345.287	0.000	338.370	388.041193	0.000	2.000	-2.00	2.00	338.370	338.305
RECTA Rampa	357.756	690117.125	4276362.730	0.000	338.725	388.041193	0.000	2.000	-2.00	2.00	338.725	337.823

EJE : 6: Ramal entrada a glorieta desde N-435 Lado Huelva

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* * * PUNTOS DEL EJE EN PLANTA * * *
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TIPO	P.K.	X	Y	RADIO	COTA	AZIMUT	DIST. EJE	PEND. (%)	PERAL_I	PERAL_D	Z PROY.	Z TERR.
CIRC. Rampa	0.000	690128.805	4276320.027	20.000	337.773	388.041193	0.000	2.000	2.00	2.00	337.773	338.991
CIRC. Rampa	20.000	690134.694	4276338.277	20.000	338.301	51.703170	0.000	1.800	2.00	2.00	338.301	338.885
CIRC. Rampa	21.630	690135.922	4276339.349	-30.000	338.330	56.891975	0.000	1.800	2.00	2.00	338.330	338.908

EJE : 7: Ramal salida de glorieta hacia N-435 Lado Huelva

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* * * PUNTOS DEL EJE EN PLANTA * * *
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TIPO	P.K.	X	Y	RADIO	COTA	AZIMUT	DIST. EJE	PEND. (%)	PERAL_I	PERAL_D	Z PROY.	Z TERR.
CIRC. Rampa	0.000	690105.317	4276335.152	30.000	338.007	125.752987	0.000	0.300	2.00	2.00	338.007	338.107
CIRC. KV -908	20.000	690119.843	4276321.945	30.000	337.847	168.194305	0.000	-1.904	2.00	2.00	337.847	338.684
CIRC. Pendiente	29.353	690122.982	4276313.175	30.000	337.660	188.041192	0.000	-2.000	2.00	2.00	337.660	338.874

EJE : 8: EX-105 Lado Don Benito

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* * * PUNTOS DEL EJE EN PLANTA * * *
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TIPO	P.K.	X	Y	RADIO	COTA	AZIMUT	DIST. EJE	PEND. (%)	PERAL_I	PERAL_D	Z PROY.	Z TERR.
RECTA Rampa	0.000	690369.602	4276499.304	0.000	337.436	296.616773	0.000	1.100	-2.00	0.22	337.436	337.436
CLOT. KV 3684	1.606	690367.998	4276499.219	-100000.000	337.454	296.616773	0.000	1.130	-2.00	-0.00	337.454	337.454
CLOT. KV 3684	20.000	690349.637	4276498.127	-490.643	337.708	295.423431	0.000	1.629	-2.50	-2.50	337.708	337.664
CLOT. KV 3684	40.000	690329.740	4276496.137	-235.061	338.088	291.417599	0.000	2.172	-5.21	-5.21	338.088	337.894
CIRC. KV 3684	53.177	690316.746	4276493.960	-175.000	338.398	287.236376	0.000	2.530	-7.00	-7.00	338.398	337.954
CIRC. KV 3684	60.000	690310.088	4276492.471	-175.000	338.577	284.754366	0.000	2.715	-7.00	-7.00	338.577	337.914
CIRC. Rampa	80.000	690290.972	4276486.628	-175.000	339.162	277.478711	0.000	3.000	-7.00	-7.00	339.162	338.581
CIRC. Rampa	100.000	690272.647	4276478.644	-175.000	339.762	270.203057	0.000	3.000	-7.00	-7.00	339.762	338.939
CIRC. KV -1270	120.000	690255.351	4276468.622	-175.000	340.209	262.927402	0.000	1.450	-7.00	-7.00	340.209	339.212
CLOT. KV -1270	133.202	690244.610	4276460.952	-175.000	340.332	258.124903	0.000	0.410	-7.00	-7.00	340.332	339.444
CLOT. KV -1270	140.000	690239.308	4276456.697	-201.572	340.342	255.814760	0.000	-0.125	-6.08	-6.10	340.342	339.584
CLOT. KV -1270	160.000	690224.493	4276443.270	-364.308	340.159	250.909016	0.000	-1.700	-3.36	-3.45	340.159	340.093
CLOT. KV -1270	180.000	690210.433	4276429.047	-1890.850	339.662	248.824855	0.000	-3.275	-2.00	-0.80	339.662	340.219
CLOT. Pendiente	184.773	690207.124	4276425.607	100000.000	339.504	248.744506	0.000	-3.300	-2.00	-0.17	339.504	340.243
CLOT. Pendiente	200.000	690196.485	4276414.714	321.797	339.002	250.250709	0.000	-3.300	-2.00	1.98	339.002	340.204
CLOT. KV 755	220.000	690181.679	4276401.281	139.098	338.496	256.805817	0.000	-1.276	-2.00	2.00	338.496	339.854
CIRC. KV 755	233.773	690170.496	4276393.255	100.000	338.446	264.341690	0.000	0.549	-2.00	2.00	338.446	339.404
RECTA KV 755	237.976	690166.890	4276391.098	0.000	338.481	267.017501	0.000	1.106	-2.00	2.00	338.481	339.235
RECTA KV 755	240.000	690165.131	4276390.095	0.000	338.506	267.017501	0.000	1.374	-2.00	2.00	338.506	339.154
RECTA Rampa	260.000	690147.756	4276380.191	0.000	338.891	267.017501	0.000	2.000	-2.00	2.00	338.891	338.571
RECTA Rampa	280.000	690130.381	4276370.287	0.000	339.291	267.017501	0.000	2.000	-2.00	2.00	339.291	338.124
RECTA Rampa	295.258	690117.125	4276362.730	0.000	339.596	267.017501	0.000	2.000	-2.00	2.00	339.596	337.823

EJE : 9: Ramal entrada a glorieta desde EX-105 Lado Don B.

* * * PUNTOS DEL EJE EN PLANTA * * *

TIPO	P.K.	X	Y	RADIO	COTA	AZIMUT	DIST. EJE	PEND. (%)	PERAL_I	PERAL_D	Z PROY.	Z TERR.
CIRC. KV 1274	0.000	690153.733	4276387.627	20.000	338.643	267.017501	0.000	2.000	2.00	2.00	338.643	338.639
CIRC. KV -508	20.000	690134.559	4276387.280	20.000	339.037	330.679478	0.000	0.621	2.00	2.00	339.038	337.830
CIRC. Rampa	21.630	690133.147	4276388.093	-30.000	339.045	335.868283	0.000	0.300	2.00	2.00	339.045	337.749

EJE : 10: Ramal salida de glorieta hacia EX-105 Lado Don B.

* * * PUNTOS DEL EJE EN PLANTA * * *

TIPO	P.K.	X	Y	RADIO	COTA	AZIMUT	DIST. EJE	PEND. (%)	PERAL_I	PERAL_D	Z PROY.	Z TERR.
CIRC. KV -639	0.000	690147.042	4276360.504	30.000	338.798	4.729296	0.000	1.200	2.00	2.00	338.798	338.977
CIRC. KV -639	20.000	690154.825	4276378.527	30.000	338.725	47.170614	0.000	-1.931	2.00	2.00	338.725	338.912
CIRC. Pendiente	29.353	690162.103	4276384.340	30.000	338.538	67.017500	0.000	-2.000	2.00	2.00	338.538	339.102

EJE : 11: Acerado y paso inferior

* * * PUNTOS DEL EJE EN PLANTA * * *

TIPO	P.K.	X	Y	RADIO	COTA	AZIMUT	DIST. EJE	PEND. (%)	PERAL_I	PERAL_D	Z PROY.	Z TERR.
RECTA Rampa	0.000	689916.976	4276408.881	0.000	331.623	88.264980	0.000	1.947	0.00	0.00	331.623	331.623
CIRC. Rampa	6.143	689923.015	4276410.007	25.000	331.743	88.264980	0.000	1.947	0.00	0.00	331.743	331.755
CIRC. Rampa	15.103	689931.927	4276410.053	-50.000	331.917	111.081562	0.000	1.947	0.00	0.00	331.917	332.041
CIRC. Rampa	20.000	689936.784	4276409.442	-50.000	332.013	104.847045	0.000	1.947	0.00	0.00	332.013	332.301
CIRC. Rampa	39.237	689955.774	4276411.660	50.000	332.387	80.353507	0.000	1.947	0.00	0.00	332.387	334.435
CIRC. Rampa	40.000	689956.502	4276411.886	50.000	332.402	81.324760	0.000	1.947	0.00	0.00	332.402	334.452
CIRC. Rampa	56.337	689972.630	4276413.994	-50.000	332.720	102.126000	0.000	1.947	0.00	0.00	332.720	333.120
CIRC. Rampa	60.000	689976.291	4276414.006	-50.000	332.791	97.462449	0.000	1.947	0.00	0.00	332.791	333.443
RECTA Rampa	78.845	689994.539	4276418.246	0.000	333.158	73.467636	0.000	1.947	0.00	0.00	333.158	333.981
RECTA Rampa	80.000	689995.595	4276418.713	0.000	333.181	73.467636	0.000	1.947	0.00	0.00	333.181	333.992
RECTA Rampa	100.000	690013.883	4276426.809	0.000	333.570	73.467636	0.000	1.947	0.00	0.00	333.570	334.202
RECTA Rampa	120.000	690032.171	4276434.906	0.000	333.959	73.467636	0.000	1.947	0.00	0.00	333.959	334.366
RECTA Rampa	140.000	690050.459	4276443.002	0.000	334.349	73.467636	0.000	1.947	0.00	0.00	334.349	334.484
RECTA Rampa	151.567	690061.036	4276447.684	0.000	334.574	73.467636	0.000	1.947	0.00	0.00	334.574	334.574

EJE : 12: Glorieta de reordenación de accesos

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* * * PUNTOS DEL EJE EN PLANTA * * *
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TIPO	P.K.	X	Y	RADIO	COTA	AZIMUT	DIST. EJE	PEND. (%)	PERAL_I	PERAL_D	Z PROJ.	Z TERR.
CIRC. Horizontal	0.000	689952.151	4276380.307	-20.000	333.800	185.000000	0.000	0.000	2.00	2.00	333.800	333.469
CIRC. Rampa	20.000	689965.019	4276366.089	-20.000	334.166	121.338023	0.000	3.000	2.00	2.00	334.166	334.395
CIRC. Rampa	40.000	689983.937	4276369.236	-20.000	334.766	57.676046	0.000	3.000	2.00	2.00	334.766	334.235
CIRC. KV -667	60.000	689991.510	4276386.854	-20.000	335.141	394.014068	0.000	0.405	2.00	2.00	335.141	334.779
CIRC. KV -667	80.000	689980.776	4276402.746	-20.000	334.922	330.352091	0.000	-2.595	2.00	2.00	334.922	334.160
CIRC. Pendiente	100.000	689961.605	4276402.300	-20.000	334.327	266.690114	0.000	-3.000	2.00	2.00	334.327	334.452
CIRC. KV 521	120.000	689951.621	4276385.927	-20.000	333.828	203.028137	0.000	-1.036	2.00	2.00	333.828	333.683
CIRC. Horizontal	125.664	689952.151	4276380.307	-20.000	333.800	185.000000	0.000	0.000	2.00	2.00	333.800	333.469

EJE : 13: Ramal de conexión entre glorietas

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* * * PUNTOS DEL EJE EN PLANTA * * *
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TIPO	P.K.	X	Y	RADIO	COTA	AZIMUT	DIST. EJE	PEND. (%)	PERAL_I	PERAL_D	Z PROJ.	Z TERR.
RECTA Pendiente	0.000	689971.598	4276384.976	0.000	335.392	131.104404	0.000	-2.000	-2.00	2.00	335.392	334.431
RECTA Pendiente	20.000	689989.258	4276375.589	0.000	334.992	131.104404	0.000	-2.000	-2.00	2.00	334.992	334.943
RECTA KV 500	40.000	690006.918	4276366.201	0.000	334.809	131.104404	0.000	0.944	-2.00	2.00	334.809	335.327
RECTA KV 500	60.000	690024.578	4276356.814	0.000	335.398	131.104404	0.000	4.944	-2.00	2.00	335.398	335.962
CIRC. Rampa	68.355	690031.955	4276352.892	-50.000	335.815	131.104404	0.000	5.000	-2.00	2.00	335.815	336.169
CIRC. Rampa	80.000	690042.779	4276348.667	-50.000	336.398	116.277266	0.000	5.000	-2.00	2.00	336.398	336.471
CIRC. KV -1000	100.000	690062.615	4276347.562	-50.000	337.353	90.812475	0.000	4.061	-2.00	2.00	337.353	336.927
RECTA KV -1000	106.757	690069.216	4276348.982	0.000	337.605	82.208648	0.000	3.386	-2.00	2.00	337.605	337.029
RECTA KV -1000	120.000	690081.945	4276352.635	0.000	337.966	82.208648	0.000	2.061	-2.00	2.00	337.966	337.166
RECTA Rampa	140.000	690101.169	4276358.151	0.000	338.366	82.208648	0.000	2.000	-2.00	2.00	338.366	337.459
RECTA Rampa	156.600	690117.125	4276362.730	0.000	338.698	82.208648	0.000	2.000	-2.00	2.00	338.698	337.823

EJE : 14: Ramal entrada a glorieta desde ramal de conexión

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* * * PUNTOS DEL EJE EN PLANTA * * *
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TIPO	P.K.	X	Y	RADIO	COTA	AZIMUT	DIST. EJE	PEND. (%)	PERAL_I	PERAL_D	Z PROJ.	Z TERR.
CIRC. Rampa	0.000	690075.669	4276347.192	20.000	337.713	82.208648	0.000	2.500	2.00	2.00	337.713	337.169
CIRC. KV -721	20.000	690094.382	4276342.997	20.000	338.010	145.870625	0.000	0.126	2.00	2.00	338.010	337.651
CIRC. Pendiente	21.630	690095.562	4276341.873	-30.000	338.010	151.059429	0.000	-0.100	2.00	2.00	338.010	337.705

EJE : 15: Ramal salida de glorieta hacia ramal de conexión

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* * * PUNTOS DEL EJE EN PLANTA * * *
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TIPO	P.K.	X	Y	RADIO	COTA	AZIMUT	DIST. EJE	PEND. (%)	PERAL_I	PERAL_D	Z PROJ.	Z TERR.
CIRC. KV -1592	0.000	690088.582	4276371.965	30.000	338.338	219.920442	0.000	-2.000	2.00	2.00	338.338	336.822
CIRC. Pendiente	20.000	690076.760	4276356.292	30.000	337.818	262.361760	0.000	-3.000	2.00	2.00	337.818	337.004
CIRC. Pendiente	29.353	690068.314	4276352.364	30.000	337.537	282.208647	0.000	-3.000	2.00	2.00	337.537	336.953

EJE : 16: Ramal entrada a glorieta desde ramal de conexión

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* * * PUNTOS DEL EJE EN PLANTA * * *
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TIPO	P.K.	X	Y	RADIO	COTA	AZIMUT	DIST. EJE	PEND. (%)	PERAL_I	PERAL_D	Z PROJ.	Z TERR.
CIRC. KV 194	0.000	690001.823	4276372.873	20.000	334.726	331.104404	0.000	0.500	2.00	2.00	334.726	335.077
CIRC. Rampa	18.857	689991.404	4276387.755	-20.000	335.144	391.126848	0.000	0.300	2.00	2.00	335.144	334.787

EJE : 17: Ramal salida glorieta hacia ramal conexión

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* * * PUNTOS DEL EJE EN PLANTA * * *
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TIPO	P.K.	X	Y	RADIO	COTA	AZIMUT	DIST. EJE	PEND. (%)	PERAL_I	PERAL_D	Z PROJ.	Z TERR.
CIRC. KV -317	0.000	689980.374	4276367.004	20.000	334.639	71.081961	0.000	3.000	2.00	2.00	334.639	334.454
RECTA Pendiente	18.857	689998.537	4276366.693	0.000	334.724	131.104404	0.000	-0.700	2.00	2.00	334.724	335.096

EJE : 18: Reposición de accesos

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* * * PUNTOS DEL EJE EN PLANTA * * *
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TIPO	P.K.	X	Y	RADIO	COTA	AZIMUT	DIST. EJE	PEND. (%)	PERAL_I	PERAL_D	Z PROJ.	Z TERR.
RECTA Rampa	0.000	690209.949	4276433.569	0.000	339.795	349.312462	0.000	2.000	-2.00	2.00	339.795	339.934
CIRC. KV -136	12.770	690200.822	4276442.501	45.000	339.480	349.312462	0.000	-7.146	-2.00	2.00	339.480	338.972
CIRC. Pendiente	20.000	690196.082	4276447.950	45.000	338.853	359.541029	0.000	-9.000	-2.00	2.00	338.853	338.418
RECTA Pendiente	38.814	690188.356	4276464.954	0.000	337.160	386.156745	0.000	-9.000	-2.00	2.00	337.160	337.052
RECTA Pendiente	40.000	690188.100	4276466.113	0.000	337.053	386.156745	0.000	-9.000	-2.00	2.00	337.053	336.997
RECTA Pendiente	56.612	690184.516	4276482.334	0.000	336.256	386.156745	0.000	-1.000	-2.00	2.00	336.256	336.256

EJE : 19: Ramal entrada a glorieta desde EX-105 Lado Portug

* * * PUNTOS DEL EJE EN PLANTA * * *

TIPO	P.K.	X	Y	RADIO	COTA	AZIMUT	DIST. EJE	PEND. (%)	PERAL_I	PERAL_D	Z PROY.	Z TERR.
RECTA Rampa	0.000	689923.436	4276396.982	0.000	331.990	114.896523	0.000	4.000	2.00	2.00	331.990	331.986
RECTA Rampa	20.000	689942.891	4276392.344	0.000	333.234	114.896523	0.000	7.000	2.00	2.00	333.234	333.085
CIRC. Rampa	21.174	689944.032	4276392.072	10.000	333.316	114.896523	0.000	7.000	2.00	2.00	333.316	333.188
CIRC. KV -144	33.664	689951.675	4276383.222	10.000	333.806	194.408637	0.000	-0.300	2.00	2.00	333.806	333.562

EJE : 20: Ramal salida de glorieta hacia EX-105 Lado Portug

* * * PUNTOS DEL EJE EN PLANTA * * *

TIPO	P.K.	X	Y	RADIO	COTA	AZIMUT	DIST. EJE	PEND. (%)	PERAL_I	PERAL_D	Z PROY.	Z TERR.
CIRC. Pendiente	0.000	689963.886	4276403.429	50.000	334.403	274.797079	0.000	-3.000	2.00	2.00	334.403	334.400
CIRC. Pendiente	20.000	689944.399	4276399.563	50.000	333.282	300.261870	0.000	-7.000	2.00	2.00	333.282	333.448
CIRC. KV 333	40.000	689924.944	4276403.590	50.000	331.940	325.726661	0.000	-5.140	2.00	2.00	331.940	331.828
RECTA KV 333	41.565	689923.515	4276404.227	0.000	331.863	327.719256	0.000	-4.670	2.00	2.00	331.863	331.811
RECTA KV 333	43.095	689922.128	4276404.873	0.000	331.795	327.719256	0.000	-4.211	2.00	2.00	331.795	331.794

EJE : 21: Vía de servicio

* * * PUNTOS DEL EJE EN PLANTA * * *

TIPO	P.K.	X	Y	RADIO	COTA	AZIMUT	DIST. EJE	PEND. (%)	PERAL_I	PERAL_D	Z PROY.	Z TERR.
RECTA Pendiente	0.000	689972.894	4276340.563	0.000	334.457	373.683015	0.000	-0.500	-2.00	2.00	334.457	334.457
CIRC. KV -863	1.776	689972.180	4276342.189	35.000	334.447	373.683015	0.000	-0.706	-2.00	2.00	334.447	334.450
RECTA KV -863	5.640	689970.826	4276345.806	0.000	334.411	380.710116	0.000	-1.153	-2.00	2.00	334.411	334.452
RECTA KV 667	20.000	689966.541	4276359.512	0.000	334.190	380.710116	0.000	-0.973	-2.00	2.00	334.190	334.456
RECTA Pendiente	27.135	689964.412	4276366.322	0.000	334.146	380.710116	0.000	-0.500	-2.00	2.00	334.146	334.375

EJE : 22: Ramal entrada a glorieta desde vía de servicio

* * * PUNTOS DEL EJE EN PLANTA * * *

TIPO	P.K.	X	Y	RADIO	COTA	AZIMUT	DIST. EJE	PEND. (%)	PERAL_I	PERAL_D	Z PROY.	Z TERR.
CIRC. KV 310	0.000	689972.913	4276349.185	15.000	334.319	380.710116	0.000	-1.455	-2.00	2.00	334.319	334.497
CIRC. Rampa	20.000	689979.512	4276366.523	15.000	334.611	65.592753	0.000	3.000	-2.00	2.00	334.611	334.477
CIRC. Rampa	21.162	689980.531	4276367.082	15.000	334.646	70.525775	0.000	3.000	-2.00	2.00	334.646	334.450

EJE : 23: Ramal salida de glorieta hacia vía de servicio

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* * * PUNTOS DEL EJE EN PLANTA * * *
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TIPO	P.K.	X	Y	RADIO	COTA	AZIMUT	DIST. EJE	PEND. (%)	PERAL_I	PERAL_D	Z PROY.	Z TERR.
CIRC. Rampa	0.000	689957.955	4276370.353	15.000	333.931	147.793236	0.000	2.500	2.00	2.00	333.931	333.881
CIRC. KV -268	7.756	689962.039	4276363.861	15.000	334.095	180.710116	0.000	1.000	2.00	2.00	334.095	334.211

EJE : 24: Calle José Segundo Flores

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* * * PUNTOS DEL EJE EN PLANTA * * *
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TIPO	P.K.	X	Y	RADIO	COTA	AZIMUT	DIST. EJE	PEND. (%)	PERAL_I	PERAL_D	Z PROY.	Z TERR.
RECTA Rampa	0.000	689926.859	4276375.326	0.000	332.114	97.552592	0.000	7.000	-2.00	2.00	332.114	332.114
RECTA Rampa	20.000	689946.844	4276376.095	0.000	333.514	97.552592	0.000	7.000	-2.00	2.00	333.514	333.044
RECTA Rampa	26.723	689953.562	4276376.353	0.000	333.817	97.552592	0.000	2.000	-2.00	2.00	333.817	333.512

EJE : 25: Ramal entrada a glorieta desde C/ José Segundo

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* * * PUNTOS DEL EJE EN PLANTA * * *
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TIPO	P.K.	X	Y	RADIO	COTA	AZIMUT	DIST. EJE	PEND. (%)	PERAL_I	PERAL_D	Z PROY.	Z TERR.
CIRC. KV -132	0.000	689950.535	4276373.235	10.000	333.657	97.552592	0.000	6.000	2.00	2.00	333.657	333.349
CIRC. Rampa	7.990	689957.812	4276370.487	-20.000	333.928	148.416220	0.000	2.200	2.00	2.00	333.928	333.870

EJE : 26: Ramal salida glorieta a C/ José Segundo

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* * * PUNTOS DEL EJE EN PLANTA * * *
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TIPO	P.K.	X	Y	RADIO	COTA	AZIMUT	DIST. EJE	PEND. (%)	PERAL_I	PERAL_D	Z PROY.	Z TERR.
CIRC. Pendiente	0.000	689951.611	4276384.269	5.000	333.814	197.747435	0.000	-1.000	2.00	2.00	333.814	333.605
RECTA Pendiente	7.839	689946.806	4276379.096	0.000	333.459	297.552592	0.000	-6.500	2.00	2.00	333.459	332.945

EJE : 27: Reposición de accesos - Ramal 1

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* * * PUNTOS DEL EJE EN PLANTA * * *
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TIPO	P.K.	X	Y	RADIO	COTA	AZIMUT	DIST. EJE	PEND. (%)	PERAL_I	PERAL_D	Z PROY.	Z TERR.
CIRC. KV 119	0.000	690189.166	4276472.878	10.000	336.525	386.156912	0.000	-5.806	2.00	2.00	336.525	336.796
CIRC. Rampa	16.096	690197.154	4276484.876	10.000	336.574	88.629456	0.000	3.500	2.00	2.00	336.574	336.573

EJE : 28: Reposición de accesos - Ramal 2

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* * * PUNTOS DEL EJE EN PLANTA * * *
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TIPO	P.K.	X	Y	RADIO	COTA	AZIMUT	DIST. EJE	PEND. (%)	PERAL_I	PERAL_D	Z PROY.	Z TERR.
CIRC. Rampa	0.000	690172.162	4276479.328	10.000	335.961	84.809387	0.000	2.000	2.00	2.00	335.961	335.961
CIRC. KV 339	15.920	690184.290	4276471.768	10.000	336.525	186.156324	0.000	5.806	2.00	2.00	336.525	336.654

EJE : 29: Reposición de accesos - Ramal 3

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* * * PUNTOS DEL EJE EN PLANTA * * *
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TIPO	P.K.	X	Y	RADIO	COTA	AZIMUT	DIST. EJE	PEND. (%)	PERAL_I	PERAL_D	Z PROY.	Z TERR.
CIRC. KV -535	0.000	690218.605	4276442.374	10.000	340.168	250.286095	0.000	-2.200	2.00	2.00	340.168	339.886
CIRC. Pendiente	15.555	690204.572	4276442.330	10.000	339.600	349.312988	0.000	-5.000	2.00	2.00	339.600	339.168

EJE : 30: Reposición de accesos - Ramal 4

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* * * PUNTOS DEL EJE EN PLANTA * * *
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TIPO	P.K.	X	Y	RADIO	COTA	AZIMUT	DIST. EJE	PEND. (%)	PERAL_I	PERAL_D	Z PROY.	Z TERR.
CIRC. KV -98	0.000	690201.116	4276438.716	10.000	339.604	149.312239	0.000	4.500	2.00	2.00	339.604	339.210
CIRC. Pendiente	15.630	690201.322	4276424.630	10.000	339.332	248.818698	0.000	-4.000	2.00	2.00	339.332	340.018

EJE : 31: Encauzamiento 1

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* * * PUNTOS DEL EJE EN PLANTA * * *
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TIPO	P.K.	X	Y	RADIO	COTA	AZIMUT	DIST. EJE	PEND. (%)	PERAL_I	PERAL_D	Z PROY.	Z TERR.
RECTA Pendiente	0.000	689995.803	4276402.726	0.000	333.562	323.070545	0.000	-4.050	0.00	0.00	333.562	333.562
CIRC. Pendiente	9.031	689987.358	4276405.928	-40.000	333.196	323.070545	0.000	-4.050	0.00	0.00	333.196	334.199
CIRC. Pendiente	20.000	689976.700	4276408.370	-40.000	332.752	305.613065	0.000	-4.050	0.00	0.00	332.752	334.054
CIRC. Pendiente	36.432	689960.496	4276406.462	50.000	332.086	279.461336	0.000	-4.050	0.00	0.00	332.086	334.433
CIRC. Pendiente	40.000	689957.074	4276405.452	50.000	331.942	284.004744	0.000	-4.050	0.00	0.00	331.942	334.427
CIRC. Pendiente	60.000	689937.233	4276404.435	50.000	331.132	309.469535	0.000	-4.050	0.00	0.00	331.132	332.469
RECTA Pendiente	63.753	689933.546	4276405.130	0.000	330.997	6.579862	0.000	-0.500	0.00	0.00	330.997	332.235
RECTA Pendiente	71.003	689934.294	4276412.341	0.000	330.961	305.937066	0.000	-0.500	0.00	0.00	330.961	332.117
RECTA Pendiente	80.000	689925.336	4276413.179	0.000	330.916	305.937066	0.000	-0.500	0.00	0.00	330.916	331.728
CIRC. Pendiente	82.687	689922.660	4276413.429	40.000	330.903	305.937066	0.000	-0.500	0.00	0.00	330.903	331.640
RECTA Pendiente	97.900	689908.142	4276417.657	0.000	330.827	330.148772	0.000	-0.500	0.00	0.00	330.827	331.182
RECTA Pendiente	100.000	689906.273	4276418.615	0.000	330.816	330.148772	0.000	-0.500	0.00	0.00	330.816	331.112
RECTA Pendiente	116.106	689891.940	4276425.961	0.000	330.736	330.148772	0.000	-0.500	0.00	0.00	330.736	330.736

EJE : 32: Encauzamiento 2

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* * * PUNTOS DEL EJE EN PLANTA * * *
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TIPO	P.K.	X	Y	RADIO	COTA	AZIMUT	DIST. EJE	PEND. (%)	PERAL_I	PERAL_D	Z PROY.	Z TERR.
RECTA Pendiente	0.000	689987.241	4276359.820	0.000	334.260	179.607621	0.000	-0.521	0.00	0.00	334.260	334.260
RECTA Pendiente	20.000	689993.539	4276340.837	0.000	334.156	179.607621	0.000	-0.521	0.00	0.00	334.156	334.241
RECTA Pendiente	40.000	689999.836	4276321.854	0.000	334.052	179.607621	0.000	-0.521	0.00	0.00	334.052	333.994
RECTA Pendiente	60.000	690006.133	4276302.872	0.000	333.947	179.607621	0.000	-0.521	0.00	0.00	333.947	334.347
CIRC. Pendiente	71.206	690009.662	4276292.236	300.000	333.889	179.607621	0.000	-0.521	0.00	0.00	333.889	334.538
CIRC. Pendiente	80.000	690012.308	4276283.850	300.000	333.843	181.473732	0.000	-0.521	0.00	0.00	333.843	334.688
CIRC. Pendiente	100.000	690017.404	4276264.514	300.000	333.739	185.717864	0.000	-0.521	0.00	0.00	333.739	335.030
CIRC. Pendiente	120.000	690021.200	4276244.881	300.000	333.635	189.961996	0.000	-0.521	0.00	0.00	333.635	335.307
CIRC. Pendiente	140.000	690023.680	4276225.039	300.000	333.530	194.206127	0.000	-0.521	0.00	0.00	333.530	334.396
CIRC. Pendiente	160.000	690024.833	4276205.076	300.000	333.426	198.450259	0.000	-0.521	0.00	0.00	333.426	333.428
CIRC. Pendiente	160.041	690024.834	4276205.035	300.000	333.426	198.458860	0.000	-0.521	0.00	0.00	333.426	333.426

EJE : 33: Encauzamiento 3

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* * * PUNTOS DEL EJE EN PLANTA * * *
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TIPO	P.K.	X	Y	RADIO	COTA	AZIMUT	DIST. EJE	PEND. (%)	PERAL_I	PERAL_D	Z PROY.	Z TERR.
RECTA Pendiente	0.000	690056.677	4276443.613	0.000	334.224	126.687943	0.000	-2.248	0.00	0.00	334.224	334.224
RECTA Pendiente	16.795	690072.018	4276436.777	0.000	333.847	126.687943	0.000	-2.248	0.00	0.00	333.847	333.847

EJE : 34: Encauzamiento 4

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* * * PUNTOS DEL EJE EN PLANTA * * *
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TIPO	P.K.	X	Y	RADIO	COTA	AZIMUT	DIST. EJE	PEND. (%)	PERAL_I	PERAL_D	Z PROY.	Z TERR.
RECTA Pendiente	0.000	689960.349	4276440.124	0.000	332.197	316.187077	0.000	-1.935	0.00	0.00	332.197	332.197
RECTA Pendiente	20.000	689940.992	4276445.155	0.000	331.810	316.187077	0.000	-1.935	0.00	0.00	331.810	334.306
RECTA Pendiente	33.192	689928.224	4276448.473	0.000	331.555	316.187077	0.000	-1.935	0.00	0.00	331.555	331.555

EJE : 35: Desvío provisional

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* * * PUNTOS DEL EJE EN PLANTA * * *
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TIPO	P.K.	X	Y	RADIO	COTA	AZIMUT	DIST. EJE	PEND. (%)	PERAL_I	PERAL_D	Z PROJ.	Z TERR.
CIRC. Pendiente	0.000	689989.669	4276407.903	50.000	334.337	73.821617	0.000	-1.500	-2.00	2.00	334.337	334.337
CIRC. KV 760	20.000	690009.094	4276412.068	50.000	334.288	99.286408	0.000	1.073	-2.00	2.00	334.288	334.126
CIRC. KV 760	36.992	690025.791	4276409.395	-35.000	334.661	120.920669	0.000	3.309	-2.00	2.00	334.661	334.957
CIRC. KV -1188	40.000	690028.677	4276408.548	-35.000	334.763	115.448483	0.000	3.369	-2.00	2.00	334.763	334.985
CIRC. KV -1188	60.000	690048.388	4276409.397	-35.000	335.269	79.070210	0.000	1.685	-2.00	2.00	335.269	335.173
RECTA KV -1188	61.955	690050.220	4276410.080	0.000	335.300	75.513593	0.000	1.520	-2.00	2.00	335.300	335.173
RECTA Rampa	80.000	690066.946	4276416.850	0.000	335.452	75.513593	0.000	0.500	-2.00	2.00	335.452	335.166
RECTA KV -1376	100.000	690085.485	4276424.355	0.000	335.552	75.513593	0.000	0.412	-2.00	2.00	335.552	335.328
CIRC. KV -1376	102.415	690087.723	4276425.261	-35.000	335.560	75.513593	0.000	0.237	-2.00	2.00	335.560	335.345
CIRC. KV -1376	120.000	690101.723	4276435.594	-35.000	335.489	43.527757	0.000	-1.041	-2.00	2.00	335.489	335.353
CIRC. KV -1376	130.127	690106.904	4276444.255	50.000	335.346	25.106826	0.000	-1.777	-2.00	2.00	335.346	335.248
CIRC. KV 760	140.000	690111.570	4276452.938	50.000	335.183	37.676965	0.000	-1.105	-2.00	2.00	335.183	334.617
CIRC. Rampa	160.000	690125.708	4276466.895	50.000	335.225	63.141756	0.000	1.500	-2.00	2.00	335.225	335.219
CIRC. Rampa	164.427	690129.516	4276469.151	50.000	335.291	68.778965	0.000	1.500	-2.00	2.00	335.291	335.291