

ANEJO Nº 14. REPLANTEO

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1.- Introducción

En el presente anejo se incluyen los datos necesarios para ejecutar el replanteo de los ejes definidos en el Proyecto mediante el método más habitual empleado actualmente, como es el GPS.

A partir de las coordenadas X Y Z de los listados se puede realizar un replanteo con técnicas GPS de todos los ejes del proyecto, introduciendo previamente estos listados en la memoria de los aparatos GPS.

Las coordenadas UTM que se indican están deferidas al sistema geodésico de referencia ETRS89 (European Terrestrial Reference System 1989), huso 30.

2.- Listados de Replanteo

2.1. Enlace de Rejas

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 PROYECTO :
 EJE : 1 : Ramal a Rejas

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*** PUNICOS DEL EJE EN PLANIA ***

TIPO	P.K.	X	Y	RADIO	COIA	AZIMUT	DIST. EJE Perdi (%)	PERAL_I	PERAL_D	Z PROJ.	ZT (eje)	Z TERR.
CIRC. Rampa	0.000	454503.633	4477547.639	-300.000	574.222	320.659264	0.000	2.264	-3.49	-3.49	574.222	574.222
CLOT. Rampa	2.817	454500.959	4477548.525	-300.000	574.286	320.061425	0.000	2.264	-3.62	-3.62	574.286	574.286
CLOT. Rampa	20.000	454484.491	4477553.424	-418.319	574.675	316.930798	0.000	2.264	-4.40	-4.39	574.675	574.674
CLOT. Rampa	40.000	454465.093	4477558.289	-773.319	574.930	314.585714	0.000	1.275	-4.77	-4.72	574.930	574.925
CLOT. Rampa	60.000	454445.574	4477562.650	-5108.973	575.068	313.637875	0.000	0.690	-3.08	-3.14	575.068	575.059
RECTA Rampa	63.567	454442.088	4477563.408	0.000	575.100	313.615650	0.000	0.910	-3.33	-3.38	575.100	575.090
RECTA Rampa	80.000	454426.030	4477566.895	0.000	575.250	313.615650	0.000	0.910	-4.49	-4.49	575.250	575.235
RECTA Rampa	100.000	454406.486	4477571.140	0.000	575.367	313.615650	0.000	0.589	-2.83	-2.83	575.367	575.359
RECTA Rampa	120.000	454386.941	4477575.385	0.000	575.520	313.615650	0.000	0.765	-2.54	-2.60	575.520	575.507
RECTA Rampa	140.000	454367.397	4477579.630	0.000	575.713	313.615650	0.000	0.963	-2.49	-2.50	575.713	575.699
CLOT. Rampa	154.567	454353.162	4477582.722	1000000.000	575.840	313.615650	0.000	0.873	-2.01	-2.02	575.840	575.822
CLOT. Rampa	160.000	454347.853	4477583.877	2924.452	575.887	313.674786	0.000	0.873	-1.83	-1.84	575.887	575.868
CLOT. Rampa	180.000	454328.346	4477588.289	624.732	576.062	314.911503	0.000	0.873	-2.19	1.29	576.062	576.055
CLOT. Rampa	200.000	454308.992	4477593.322	349.720	576.327	317.750902	0.000	1.532	-0.03	-0.02	576.327	576.272
CLOT. Rampa	220.000	454289.959	4477599.453	242.826	576.769	322.192981	0.000	2.240	-0.03	5.19	576.769	576.770
CIRC. Rampa	236.468	454274.702	4477605.642	194.000	577.099	327.053806	0.000	1.820	6.89	6.45	577.099	577.091
CIRC. Rampa	240.000	454271.498	4477607.127	194.000	577.163	328.212754	0.000	1.820	7.71	7.04	577.163	577.163
CIRC. Rampa	260.000	454253.903	4477616.618	194.000	577.419	334.775845	0.000	1.205	3.92	5.84	577.419	577.440
CLOT. Rampa	267.713	454247.394	4477620.755	194.000	577.536	337.306850	0.000	1.526	4.15	4.61	577.536	577.546
CLOT. Rampa	280.000	454237.369	4477627.856	222.716	577.658	341.078992	0.000	0.871	4.19	4.29	577.658	577.681
CLOT. Rampa	300.000	454221.905	4477640.531	293.410	577.860	346.107150	0.000	1.036	6.17	6.24	577.860	577.874
CLOT. Rampa	320.000	454207.338	4477654.231	429.853	578.058	349.757892	0.000	0.834	-5.17	5.04	578.058	578.056
CLOT. Rampa	340.000	454193.422	4477668.594	803.499	578.268	352.031219	0.000	1.084	-2.52	2.42	578.268	578.274
CLOT. Rampa	360.000	454179.868	4477683.301	6144.854	578.468	352.927130	0.000	0.908	-4.24	2.96	578.468	578.468
CLOT. Rampa	363.007	454177.842	4477685.523	1000000.000	578.493	352.942715	0.000	0.831	-3.82	3.27	578.493	578.493
CLOT. Rampa	363.009	454177.841	4477685.524	1000000.000	578.493	352.942715	0.000	0.831	-3.82	3.27	578.493	578.493
CLOT. Rampa	380.000	454166.545	4477698.216	237.438	578.635	355.220797	0.000	0.839	3.39	5.71	578.635	578.638
CIRC. Rampa	387.460	454161.824	4477703.991	165.000	578.705	357.660102	0.000	0.942	7.45	5.30	578.705	578.706
CIRC. Rampa	400.000	454154.467	4477714.143	165.000	578.805	362.498332	0.000	0.756	8.80	5.21	578.805	578.805
CIRC. Rampa	420.000	454144.389	4477731.404	165.000	579.006	370.214935	0.000	1.024	6.03	6.11	579.006	579.008
CLOT. Rampa	422.515	454143.272	4477733.658	165.000	579.032	371.185461	0.000	1.005	5.89	5.90	579.032	579.033
CLOT. Rampa	440.000	454136.370	4477749.716	257.137	579.206	376.722912	0.000	0.988	3.21	3.28	579.206	579.206
CLOT. Rampa	460.000	454129.794	4477768.602	711.787	579.420	380.093104	0.000	1.081	3.99	2.27	579.420	579.420
CLOT. Rampa	471.311	454126.372	4477779.383	-1000000.000	579.532	380.598950	0.000	0.977	-3.34	-1.00	579.532	579.532
CLOT. Rampa	480.000	454123.700	4477787.650	-184.150	579.636	379.097104	0.000	1.193	-6.56	-2.09	579.636	579.635
CLOT. Rampa	500.000	454115.485	4477805.835	-55.771	579.850	364.225224	0.000	0.620	-2.74	-2.76	579.850	579.864
CIRC. Rampa	506.094	454111.944	4477810.790	-46.000	579.941	356.530149	0.000	1.386	-3.37	-4.01	579.941	579.945
CLOT. Rampa	516.180	454104.777	4477817.857	-46.000	580.073	342.571737	0.000	1.788	-2.57	-2.56	580.073	580.074
CLOT. Rampa	520.000	454101.695	4477820.113	-70.999	580.141	338.215692	0.000	1.776	-2.28	-2.25	580.141	580.142
CLOT. Rampa	527.029	454095.768	4477823.890	1000000.000	580.270	335.064354	0.000	1.981	-0.81	-0.81	580.270	580.270
CLOT. Rampa	540.000	454085.127	4477831.279	38.475	580.514	345.795263	0.000	1.767	0.67	0.67	580.514	580.514
CIRC. Rampa	541.288	454084.173	4477832.144	35.000	580.530	348.032209	0.000	1.233	0.68	0.69	580.530	580.537
CIRC. Rampa	551.376	454077.913	4477840.010	35.000	580.734	366.380778	0.000	2.044	1.37	1.36	580.734	580.734

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 PROYECTO :
 EJE : 2 : Via de servicio

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*** PUNICOS DEL EJE EN PLANIA ***

TIPO	P.K.	X	Y	RADIO	COIA	AZIMUT	DIST. EJE Perdi (%)	PERAL_I	PERAL_D	Z PROJ.	ZT (eje)	Z TERR.
CIRC. Rampa	0.000	454326.712	4477581.482	631.506	575.851	314.912440	0.000	1.286	0.00	-2.78	575.851	575.572
CIRC. Rampa	20.000	454307.335	4477586.431	631.506	576.108	316.928635	0.000	2.863	0.00	-2.45	576.108	575.966
CIRC. Rampa	36.770	454291.216	4477591.053	-600.000	576.588	318.619168	0.000	2.863	0.00	1.13	576.588	576.452
CIRC. Rampa	40.000	454288.120	4477591.976	-600.000	576.680	318.276405	0.000	2.539	0.00	1.82	576.680	576.546
CIRC. Tg. Entrada	60.000	454268.848	4477597.318	-600.000	577.188	316.154339	0.000	2.539	0.00	0.28	577.188	577.130
CIRC. Rampa	80.000	454249.408	4477602.015	-600.000	578.049	314.032273	0.000	4.305	0.00	0.95	578.049	578.006
RECTA Rampa	81.353	454248.087	4477602.310	0.000	578.107	313.888676	0.000	4.248	-0.29	0.93	578.107	578.058
RECTA Rampa	90.083	454239.564	4477604.199	0.000	578.478	313.888676	0.000	4.248	-2.17	0.78	578.478	578.392

