

ANEJO Nº 7

TRAZADO GEOMÉTRICO

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1.- DESCRIPCIÓN DEL TRAZADO

En el proyecto que nos ocupa, se define el acondicionamiento y mejora de la GC-75 en el tramo comprendido entre el PK 7+800 a 8+100. Para ello se proyecta el ensanchamiento de la vía a su paso sobre el Barranco de Las Ñocas favoreciéndose el paso por curva existente, ya que en la actualidad es preciso alternar el tráfico mediante señalización de prioridad como puede apreciarse en las siguientes fotos:



El ensanchamiento proyectado se realiza aguas abajo del barranco obteniéndose un ancho entre líneas blancas en el centro de la curva de hasta 12,50 metros.

Por otro lado se realiza a partir del PK 0+145 hasta el 0+210 una ampliación de la plataforma para incorporar a la misma una acera en su margen izquierda de 2,00 metros de ancho.

Desde el PK 0 hasta el 0+210 se proyecta arcenes a ambos lados de 0,50 metros. Desde dicho punto hasta el final se proyecta arcenes de 0,20 metros a ambos lados.

Respecto a las aceras proyectadas, se incluye en un primer tramo desde el PK 0+000 hasta el PK 0+080 aproximadamente, una acera de 2,00 metros de ancho que da continuidad a la existente en el margen derecho. A partir de este punto se proyecta aceras a ambos lados con el mismo ancho hasta el PK 0+210 punto desde el cual se adapta a las aceras ya existentes.

Todo ello queda recogido en las secciones tipos definidas e incluidas en el Documento nº 2 Planos.

2.- LISTADO DE TRAZADO

El presente anejo se define la ampliación de la calzada de la GC-75 en el tramo comprendido entre el PK 7+800 a 8+100.

Para ello se especifica las coordenadas X e Y de las líneas blancas del acondicionamiento proyectado, así como el eje central.

La longitud del eje central es de 305 metros siendo su replanteo el siguiente:

Alin.	P.K.	Coord. X	Coord. Y	Azimut	Radio	Parámetro	Longitud
Rec	0,000	442.821,787	3.109.263,897	245,415	0,000	0	5,000
Rec	5,000	442.818,515	3.109.260,117	245,415	0,000	0	3,523
Rec	8,523	442.816,732	3.109.257,035	240,416	0,000	0	0,712
Rec	9,235	442.816,310	3.109.256,462	240,423	0,000	0	0,765
Rec	10,000	442.815,856	3.109.255,846	240,423	0,000	0	0,235
Rec	10,235	442.815,717	3.109.255,656	240,443	0,000	0	1,000
Rec	11,235	442.815,123	3.109.254,852	240,474	0,000	0	1,000
Rec	12,235	442.814,529	3.109.254,047	240,516	0,000	0	1,000
Rec	13,235	442.813,935	3.109.253,243	240,569	0,000	0	1,000
Rec	14,235	442.813,340	3.109.252,439	240,634	0,000	0	0,765
Rec	15,000	442.812,884	3.109.251,825	240,634	0,000	0	0,235
Rec	15,235	442.812,744	3.109.251,636	240,710	0,000	0	1,000
Rec	16,235	442.812,148	3.109.250,833	240,798	0,000	0	1,000
Rec	17,235	442.811,550	3.109.250,032	240,896	0,000	0	1,000
Rec	18,235	442.810,951	3.109.249,231	241,006	0,000	0	1,000
Rec	19,235	442.810,350	3.109.248,432	241,128	0,000	0	0,765
Rec	20,000	442.809,890	3.109.247,821	241,128	0,000	0	0,235
Rec	20,235	442.809,748	3.109.247,633	241,261	0,000	0	1,000
Rec	21,235	442.809,144	3.109.246,836	241,405	0,000	0	1,000
Rec	22,235	442.808,539	3.109.246,040	241,560	0,000	0	1,000
Rec	23,235	442.807,931	3.109.245,246	241,727	0,000	0	1,000
Rec	24,235	442.807,322	3.109.244,453	241,905	0,000	0	0,765
Rec	25,000	442.806,854	3.109.243,848	241,905	0,000	0	0,235
Rec	25,235	442.806,710	3.109.243,662	242,095	0,000	0	1,000
Rec	26,235	442.806,096	3.109.242,873	242,296	0,000	0	1,000
Rec	27,235	442.805,480	3.109.242,085	242,475	0,000	0	0,712
Rec	27,947	442.805,039	3.109.241,526	242,648	0,000	0	1,000
Rec	28,947	442.804,418	3.109.240,742	242,841	0,000	0	1,000
Rec	29,947	442.803,795	3.109.239,960	243,023	0,000	0	0,053
Rec	30,000	442.803,762	3.109.239,919	243,023	0,000	0	0,947

Alin.	P.K.	Coord. X	Coord. Y	Azimut	Radio	Parámetro	Longitud
Rec	30,947	442.803,169	3.109.239,180	243,193	0,000	0	1,000
Rec	31,947	442.802,542	3.109.238,401	243,352	0,000	0	1,000
Rec	32,947	442.801,912	3.109.237,624	243,499	0,000	0	1,000
Rec	33,947	442.801,281	3.109.236,849	243,635	0,000	0	1,000
Rec	34,947	442.800,648	3.109.236,075	243,760	0,000	0	0,053
Rec	35,000	442.800,614	3.109.236,034	243,760	0,000	0	0,947
Rec	35,947	442.800,013	3.109.235,302	243,873	0,000	0	1,000
Rec	36,947	442.799,377	3.109.234,530	243,975	0,000	0	1,000
Rec	37,947	442.798,740	3.109.233,759	244,066	0,000	0	1,000
Rec	38,947	442.798,102	3.109.232,989	244,145	0,000	0	1,000
Rec	39,947	442.797,463	3.109.232,220	244,213	0,000	0	0,053
Rec	40,000	442.797,429	3.109.232,180	244,213	0,000	0	0,947
Rec	40,947	442.796,823	3.109.231,452	244,270	0,000	0	1,000
Rec	41,947	442.796,182	3.109.230,684	244,316	0,000	0	1,000
Rec	42,947	442.795,541	3.109.229,917	244,378	0,000	0	2,053
Rec	45,000	442.794,223	3.109.228,343	244,378	0,000	0	5,000
Rec	50,000	442.791,013	3.109.224,509	244,378	0,000	0	5,000
Rec	55,000	442.787,803	3.109.220,676	244,378	0,000	0	1,858
Clot	56,858	442.786,610	3.109.219,251	244,406	0,000	15	1,948
Clot	58,806	442.785,359	3.109.217,758	244,648	0,000	15	1,194
Clot	60,000	442.784,589	3.109.216,846	244,648	0,000	15	0,831
Clot	60,831	442.784,053	3.109.216,211	245,556	0,000	15	1,373
Clot	62,204	442.783,152	3.109.215,175	247,329	0,000	15	1,218
Clot	63,421	442.782,328	3.109.214,279	250,266	0,000	15	1,579
Clot	65,000	442.781,207	3.109.213,167	250,266	0,000	15	0,709
Cur	65,709	442.780,703	3.109.212,668	253,342	23,393	0	4,291
Cur	70,000	442.777,269	3.109.210,105	265,019	23,393	0	5,000
Cur	75,000	442.772,760	3.109.207,967	278,626	23,393	0	5,000
Cur	80,000	442.767,899	3.109.206,835	292,233	23,393	0	5,000
Cur	85,000	442.762,910	3.109.206,760	305,840	23,393	0	5,000
Cur	90,000	442.758,017	3.109.207,744	319,447	23,393	0	5,000
Cur	95,000	442.753,445	3.109.209,744	333,054	23,393	0	5,000
Cur	100,000	442.749,401	3.109.212,668	346,661	23,393	0	3,761
Clot	103,761	442.746,820	3.109.215,398	356,960	0,000	15	0,047
Clot	103,808	442.746,790	3.109.215,435	358,351	0,000	15	1,000
Clot	104,808	442.746,182	3.109.216,228	360,883	0,000	15	0,192
Clot	105,000	442.746,071	3.109.216,385	360,883	0,000	15	0,808
Clot	105,808	442.745,605	3.109.217,045	363,234	0,000	15	1,000
Clot	106,808	442.745,059	3.109.217,883	365,404	0,000	15	1,000
Clot	107,808	442.744,542	3.109.218,739	367,394	0,000	15	1,000
Clot	108,808	442.744,052	3.109.219,611	369,202	0,000	15	1,000
Clot	109,808	442.743,587	3.109.220,496	370,830	0,000	15	0,192
Clot	110,000	442.743,502	3.109.220,668	370,830	0,000	15	0,808
Clot	110,808	442.743,145	3.109.221,393	372,277	0,000	15	1,000
Clot	111,808	442.742,723	3.109.222,299	373,543	0,000	15	1,000
Clot	112,808	442.742,319	3.109.223,214	374,628	0,000	15	1,000
Clot	113,808	442.741,931	3.109.224,136	375,532	0,000	15	1,000
Clot	114,808	442.741,556	3.109.225,063	376,256	0,000	15	0,192

Alin.	P.K.	Coord. X	Coord. Y	Azimut	Radio	Parámetro	Longitud
Clot	115,000	442.741,486	3.109.225,242	376,256	0,000	15	0,808
Clot	115,808	442.741,192	3.109.225,994	376,798	0,000	15	1,000
Clot	116,808	442.740,835	3.109.226,929	377,160	0,000	15	1,000
Clot	117,808	442.740,484	3.109.227,865	377,341	0,000	15	1,000
Rec	118,808	442.740,136	3.109.228,802	377,371	0,000	0	1,192
Rec	120,000	442.739,721	3.109.229,920	377,371	0,000	0	5,000
Rec	125,000	442.737,981	3.109.234,607	377,371	0,000	0	5,000
Rec	130,000	442.736,241	3.109.239,295	377,371	0,000	0	5,000
Rec	135,000	442.734,501	3.109.243,982	377,371	0,000	0	5,000
Rec	140,000	442.732,761	3.109.248,670	377,371	0,000	0	1,902
Rec	141,902	442.732,099	3.109.250,453	378,150	0,000	0	2,364
Cur	144,266	442.731,303	3.109.252,679	379,336	42,298	0	0,734
Cur	145,000	442.731,075	3.109.253,377	380,440	42,298	0	5,000
Cur	150,000	442.729,848	3.109.258,221	387,966	42,298	0	5,000
Cur	155,000	442.729,200	3.109.263,176	395,491	42,298	0	4,491
Rec	159,491	442.729,121	3.109.267,664	2,896	0,000	0	0,509
Rec	160,000	442.729,144	3.109.268,172	2,896	0,000	0	0,491
Rec	160,491	442.729,166	3.109.268,663	3,764	0,000	0	1,000
Rec	161,491	442.729,225	3.109.269,661	4,015	0,000	0	0,364
Rec	161,855	442.729,248	3.109.270,024	4,029	0,000	0	3,145
Rec	165,000	442.729,447	3.109.273,163	4,029	0,000	0	5,000
Rec	170,000	442.729,763	3.109.278,153	4,029	0,000	0	0,160
Cur	170,160	442.729,773	3.109.278,313	2,980	194,578	0	4,840
Cur	175,000	442.730,060	3.109.283,144	4,563	194,578	0	5,000
Cur	180,000	442.730,482	3.109.288,126	6,199	194,578	0	5,000
Cur	185,000	442.731,032	3.109.293,096	7,835	194,578	0	5,000
Cur	190,000	442.731,710	3.109.298,049	9,471	194,578	0	5,000
Cur	195,000	442.732,514	3.109.302,984	11,107	194,578	0	5,000
Cur	200,000	442.733,445	3.109.307,896	12,743	194,578	0	5,000
Cur	205,000	442.734,502	3.109.312,783	14,379	194,578	0	5,000
Cur	210,000	442.735,684	3.109.317,641	16,014	194,578	0	5,000
Cur	215,000	442.736,991	3.109.322,468	17,650	194,578	0	2,703
Rec	217,703	442.737,749	3.109.325,062	18,459	0,000	0	2,297
Rec	220,000	442.738,406	3.109.327,263	18,459	0,000	0	5,000
Rec	225,000	442.739,835	3.109.332,054	18,459	0,000	0	5,000
Rec	230,000	442.741,265	3.109.336,846	18,459	0,000	0	5,000
Rec	235,000	442.742,694	3.109.341,637	18,459	0,000	0	5,000
Rec	240,000	442.744,124	3.109.346,428	18,459	0,000	0	5,000
Rec	245,000	442.745,553	3.109.351,220	18,459	0,000	0	0,557
Rec	245,557	442.745,713	3.109.351,753	18,442	0,000	0	3,988
Cur	249,545	442.746,869	3.109.355,570	18,985	-483,658	0	0,455
Cur	250,000	442.747,002	3.109.356,005	18,925	-483,658	0	5,000
Cur	255,000	442.748,442	3.109.360,793	18,267	-483,658	0	5,000
Cur	260,000	442.749,832	3.109.365,596	17,609	-483,658	0	5,000
Cur	265,000	442.751,173	3.109.370,413	16,951	-483,658	0	5,000
Cur	270,000	442.752,463	3.109.375,244	16,292	-483,658	0	5,000
Cur	275,000	442.753,704	3.109.380,087	15,634	-483,658	0	5,000
Cur	280,000	442.754,895	3.109.384,943	14,976	-483,658	0	5,000

Alin.	P.K.	Coord. X	Coord. Y	Azimut	Radio	Parámetro	Longitud
Cur	285,000	442.756,035	3.109.389,812	14,318	-483,658	0	5,000
Cur	290,000	442.757,125	3.109.394,691	13,660	-483,658	0	5,000
Cur	295,000	442.758,164	3.109.399,582	13,002	-483,658	0	5,000
Cur	300,000	442.759,153	3.109.404,483	12,344	-483,658	0	5,000
	305,000	442.760.095,000	3.109.409.417,000	11,976	-483,658	0	0,000

A continuación se incluye el replanteo de las líneas blancas en la zona de actuación:

LINEA BLANCA: BANDA DERECHA

Alin.	P.K.	Coord. X	Coord. Y	Azimut	Radio	Parámetro	Longitud
Rec	0	442819,309	3109265,722	245,532	0,000	0,000	5,000
Rec	5	442816,030	3109261,947	245,532	0,000	0,000	5,000
Rec	10	442812,751	3109258,172	245,532	0,000	0,000	5,000
Rec	15	442810,336	3109253,704	244,385	0,000	0,000	5,000
Rec	20	442807,126	3109249,871	244,385	0,000	0,000	5,000
Rec	25	442803,916	3109246,038	244,385	0,000	0,000	5,000
Rec	30	442800,705	3109242,204	244,385	0,000	0,000	5,000
Rec	35	442797,495	3109238,371	244,385	0,000	0,000	5,000
Rec	40	442794,285	3109234,538	244,385	0,000	0,000	5,000
Rec	45	442791,074	3109230,705	244,385	0,000	0,000	5,000
Rec	50	442787,863	3109226,871	244,413	0,000	0,000	5,000
Rec	55	442784,582	3109223,098	246,973	0,000	0,000	5,000
Rec	60	442781,028	3109219,585	253,798	0,000	0,000	5,000
Rec	65	442777,046	3109216,570	264,890	0,000	0,000	5,000
Rec	70	442772,581	3109214,342	276,835	0,000	0,000	5,000
Cur	75	442767,733	3109213,171	292,555	21,000	0,000	5,000
Cur	80	442762,745	3109213,181	307,713	21,000	0,000	5,000
Cur	85	442757,900	3109214,368	322,870	21,000	0,000	5,000
Cur	90	442753,471	3109216,664	338,028	21,000	0,000	5,000
Rec	95	442749,714	3109219,943	353,124	0,000	0,000	5,000
Rec	100	442746,759	3109223,966	366,613	0,000	0,000	5,000
Rec	105	442744,480	3109228,414	372,990	0,000	0,000	5,000
Rec	110	442742,552	3109233,027	375,483	0,000	0,000	5,000
Rec	115	442740,674	3109237,660	375,483	0,000	0,000	5,000
Rec	120	442738,796	3109242,294	375,483	0,000	0,000	5,000
Rec	125	442736,918	3109246,928	375,483	0,000	0,000	5,000
Cur	130	442735,109	3109251,589	379,045	45,000	0,000	5,000
Cur	135	442733,759	3109256,400	386,119	45,000	0,000	5,000
Cur	140	442732,950	3109261,332	393,192	45,000	0,000	5,000
Cur	145	442732,694	3109266,323	0,266	45,000	0,000	5,000
Rec	150	442732,899	3109271,318	3,340	0,000	0,000	5,000
Rec	155	442733,161	3109276,311	3,340	0,000	0,000	5,000
Rec	160	442733,413	3109281,305	3,062	0,000	0,000	5,000
Rec	165	442733,674	3109286,298	5,104	0,000	0,000	5,000
Rec	170	442734,075	3109291,282	5,104	0,000	0,000	5,000
Rec	175	442734,479	3109296,265	5,159	0,000	0,000	5,000
Rec	180	442735,124	3109301,221	9,522	0,000	0,000	5,000
Rec	185	442735,979	3109306,146	14,463	0,000	0,000	5,000
Rec	190	442737,088	3109311,021	14,940	0,000	0,000	5,000

Alin.	P.K.	Coord. X	Coord. Y	Azimut	Radio	Parámetro	Longitud
Rec	195	442738,251	3109315,884	14,940	0,000	0,000	5,000
Rec	200	442739,520	3109320,719	17,945	0,000	0,000	5,000
Rec	205	442740,874	3109325,532	17,119	0,000	0,000	5,000
Rec	210	442742,204	3109330,352	17,385	0,000	0,000	5,000
Rec	215	442743,626	3109335,145	18,843	0,000	0,000	5,000
Rec	220	442745,085	3109339,927	18,843	0,000	0,000	5,000
Rec	225	442746,552	3109344,707	19,829	0,000	0,000	5,000
Rec	230	442748,084	3109349,467	19,829	0,000	0,000	5,000
Rec	235	442749,610	3109354,228	19,713	0,000	0,000	5,000
Rec	240	442751,105	3109358,999	18,452	0,000	0,000	5,000
Rec	245	442752,510	3109363,798	18,052	0,000	0,000	5,000
Rec	250	442753,866	3109368,610	17,422	0,000	0,000	5,000
Rec	255	442755,180	3109373,434	16,774	0,000	0,000	5,000
Rec	260	442756,867	3109377,955	13,329	0,000	0,000	5,000
Rec	265	442757,906	3109382,846	13,329	0,000	0,000	5,000
Rec	270	442758,945	3109387,737	13,329	0,000	0,000	5,000
Rec	275	442759,985	3109392,628	13,329	0,000	0,000	5,000
Rec	280	442761,024	3109397,518	14,372	0,000	0,000	5,000
	285	442762,143	3109402,391	14,372	0,000	0,000	0,000

LINEA BLANCA: BANDA IZQUIERDA

Alin.	P.K.	Coord. X	Coord. Y	Azimut	Radio	Parámetro	Longitud
Rec	0	442824,324	3109262,126	244,415	0,000	0,000	5,000
Rec	5	442821,112	3109258,294	244,415	0,000	0,000	5,000
Rec	10	442817,900	3109254,463	244,415	0,000	0,000	5,000
Rec	15	442814,688	3109250,631	244,415	0,000	0,000	5,000
Rec	20	442811,476	3109246,799	244,415	0,000	0,000	5,000
Rec	25	442808,264	3109242,967	244,415	0,000	0,000	5,000
Rec	30	442806,788	3109237,790	242,704	0,000	0,000	5,000
Rec	35	442803,680	3109233,873	242,704	0,000	0,000	5,000
Rec	40	442800,572	3109229,957	242,704	0,000	0,000	5,000
Rec	45	442797,464	3109226,040	242,704	0,000	0,000	5,000
Rec	50	442794,356	3109222,123	242,704	0,000	0,000	5,000
Rec	55	442791,247	3109218,207	242,704	0,000	0,000	5,000
Rec	60	442788,139	3109214,290	242,704	0,000	0,000	5,000
Rec	65	442784,985	3109210,411	245,580	0,000	0,000	5,000
Cur	70	442781,484	3109206,848	254,801	26,000	0,000	5,000
Cur	75	442777,403	3109203,973	267,044	26,000	0,000	5,000
Cur	80	442772,847	3109201,930	279,286	26,000	0,000	5,000
Cur	85	442767,986	3109200,796	291,529	26,000	0,000	5,000
Cur	90	442762,997	3109200,612	303,772	26,000	0,000	5,000
Cur	95	442758,065	3109201,384	316,014	26,000	0,000	5,000
Cur	100	442753,371	3109203,086	328,257	26,000	0,000	5,000
Cur	105	442749,089	3109205,652	340,500	26,000	0,000	5,000
Cur	110	442745,377	3109208,990	352,743	26,000	0,000	5,000
Cur	115	442742,371	3109212,976	364,985	26,000	0,000	5,000
Rec	120	442740,148	3109217,449	374,903	0,000	0,000	5,000
Rec	125	442738,420	3109222,140	378,672	0,000	0,000	5,000
Rec	130	442736,776	3109226,862	378,672	0,000	0,000	5,000
Rec	135	442735,132	3109231,584	378,672	0,000	0,000	5,000
Rec	140	442733,488	3109236,306	378,672	0,000	0,000	5,000
Rec	145	442731,844	3109241,028	378,672	0,000	0,000	5,000
Rec	150	442730,200	3109245,750	378,672	0,000	0,000	5,000
Rec	155	442728,556	3109250,472	378,672	0,000	0,000	5,000
Rec	160	442726,976	3109255,215	381,549	0,000	0,000	5,000
Cur	165	442725,866	3109260,085	391,189	24,667	0,000	5,000
Rec	170	442725,600	3109265,073	1,106	0,000	0,000	5,000
Rec	175	442725,815	3109270,068	3,558	0,000	0,000	5,000
Rec	180	442726,094	3109275,060	3,558	0,000	0,000	5,000
Cur	185	442726,410	3109280,050	4,774	200,769	0,000	5,000
Cur	190	442726,847	3109285,031	6,360	200,769	0,000	5,000
Cur	195	442727,407	3109289,999	7,945	200,769	0,000	5,000
Cur	200	442728,091	3109294,952	9,530	200,769	0,000	5,000
Cur	205	442728,898	3109299,886	11,116	200,769	0,000	5,000
Cur	210	442729,828	3109304,799	12,701	200,769	0,000	5,000

Alin.	P.K.	Coord. X	Coord. Y	Azimut	Radio	Parámetro	Longitud
Cur	215	442730,880	3109309,687	14,287	200,769	0,000	5,000
Cur	220	442732,053	3109314,547	15,872	200,769	0,000	5,000
Rec	225	442733,347	3109319,377	17,321	0,000	0,000	5,000
Rec	230	442734,691	3109324,193	17,321	0,000	0,000	5,000
Rec	235	442736,046	3109329,006	17,730	0,000	0,000	5,000
Rec	240	442737,420	3109333,813	17,730	0,000	0,000	5,000
Rec	245	442738,799	3109338,619	17,981	0,000	0,000	5,000
Rec	250	442740,198	3109343,420	18,307	0,000	0,000	5,000
Rec	255	442741,616	3109348,214	18,307	0,000	0,000	5,000
Rec	260	442743,011	3109353,016	17,761	0,000	0,000	5,000
Rec	265	442744,393	3109357,821	17,845	0,000	0,000	5,000
Rec	270	442745,777	3109362,626	17,845	0,000	0,000	5,000
Rec	275	442747,077	3109367,453	15,715	0,000	0,000	5,000
Rec	280	442748,293	3109372,303	15,491	0,000	0,000	5,000
Rec	285	442749,495	3109377,156	15,376	0,000	0,000	5,000
Rec	290	442750,688	3109382,012	15,329	0,000	0,000	5,000
Rec	295	442751,872	3109386,870	15,173	0,000	0,000	5,000
Rec	300	442753,064	3109391,726	15,543	0,000	0,000	5,000
Rec	305	442754,273	3109396,577	14,947	0,000	0,000	5,000
Rec	310	442755,456	3109401,435	15,225	0,000	0,000	5,000
Rec	315	442756,540	3109406,315	11,846	0,000	0,000	5,000
Rec	320	442757,201	3109411,269	6,595	0,000	0,000	5,000
	325	442757,718	3109416,242	6,595	0,000	0,000	0,000