

LEGENDA

- VALVULA CORTE (VC)
- REPOSICION DE VIAL
- HINCA
- VENTOSA TRIFUNCIONAL
- DESAGÜE (D)

LISTADO DE REPLANTEO

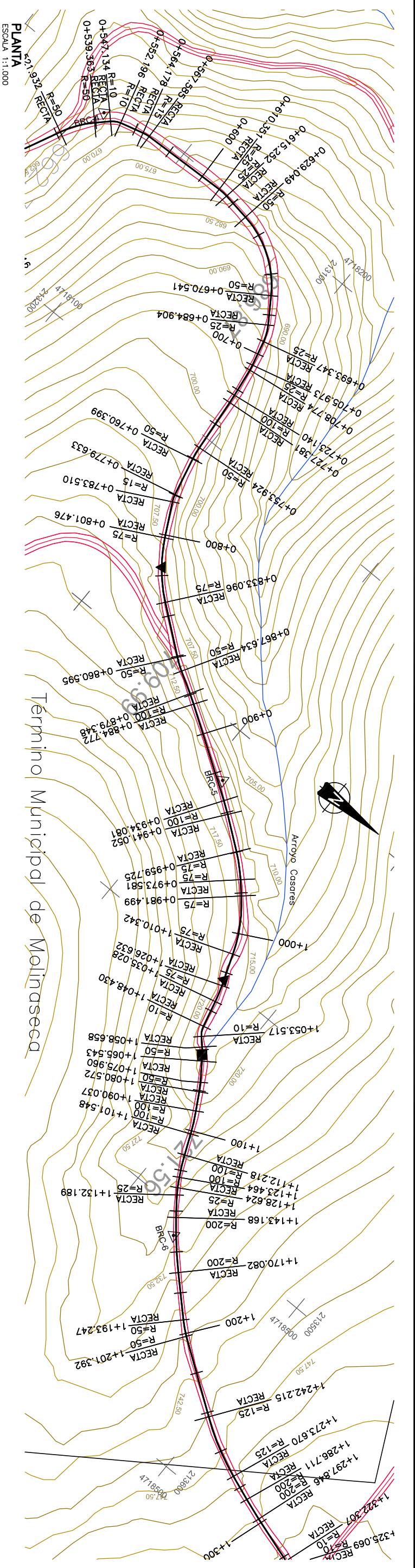
Tipo	P.K.	Coord. X	Coord. Y	Azimit	Radio	Longitud
Recta	0+000.00	213.523.23	4.717.826.33	261.49	0.00	3.829
Curva	0+003.83	213.520.08	4.717.824.15	261.48	-5.00	2.99
Recta	0+006.82	213.518.26	4.717.821.84	223.43	0.00	2.135
Curva	0+008.95	213.517.49	4.717.819.84	223.43	15.00	3.028
Recta	0+011.98	213.516.12	4.717.817.15	236.28	0.00	8.501
Curva	0+020.48	213.511.54	4.717.809.99	236.28	50.00	11.58
Recta	0+022.08	213.504.22	4.717.801.05	251.03	0.00	4.451
Curva	0+026.52	213.501.02	4.717.797.95	251.03	25.00	39.324
Recta	0+075.84	213.485.63	4.717.798.56	351.17	0.00	31.617
Curva	0+107.46	213.443.69	4.717.821.33	351.17	10.00	9.842
Recta	0+117.30	213.441.12	4.717.830.42	13.83	0.00	13.813
Curva	0+131.11	213.444.10	4.717.843.91	13.85	-5.00	7.856
Recta	0+138.97	213.440.30	4.717.849.87	313.83	0.00	8.995
Curva	0+147.96	213.431.51	4.717.851.81	313.82	25.00	4.908
Recta	0+152.85	213.426.85	4.717.853.33	326.33	0.00	53.609
Curva	0+206.48	213.377.76	4.717.874.87	326.32	-10.00	5.619
Recta	0+212.10	213.372.27	4.717.875.60	390.55	0.00	5.73
Curva	0+217.83	213.366.60	4.717.874.76	290.55	10.00	5.892
Recta	0+223.72	213.360.85	4.717.875.60	328.06	0.00	17.549
Curva	0+241.27	213.344.98	4.717.883.09	328.06	25.00	9.631
Recta	0+250.90	213.337.27	4.717.888.76	352.58	0.00	2.2
Curva	0+263.10	213.335.78	4.717.890.37	352.59	-25.00	5.759
Recta	0+268.86	213.331.42	4.717.894.12	337.92	0.00	10.601
Curva	0+269.46	213.322.65	4.717.900.07	337.92	-15.00	4.214
Recta	0+273.68	213.318.87	4.717.901.92	320.04	0.00	38.229
Curva	0+311.90	213.282.52	4.717.913.75	320.04	25.00	3.28
Recta	0+315.18	213.279.48	4.717.914.97	328.39	0.00	16.239
Curva	0+331.42	213.264.83	4.717.921.97	328.38	10.00	4.656
Recta	0+336.08	213.261.24	4.717.924.87	358.03	0.00	22.149
Curva	0+368.23	213.247.67	4.717.942.37	358.03	25.00	6.113
Recta	0+384.34	213.244.55	4.717.947.61	373.60	0.00	25.313
Curva	0+389.66	213.234.35	4.717.970.78	373.60	-25.00	3.464
Recta	0+393.12	213.232.74	4.717.973.84	364.77	0.00	8.677
Curva	0+401.80	213.228.18	4.717.981.23	364.77	-100.00	9.073
Recta	0+410.87	213.223.07	4.717.988.72	359.00	0.00	8.597
Curva	0+419.47	213.215.02	4.717.995.59	359.01	-25.00	4.325
Recta	0+423.79	213.211.91	4.717.998.81	347.99	0.00	11.135
Curva	0+434.93	213.206.90	4.718.006.43	347.98	-25.00	4.684
Recta	0+439.59	213.203.23	4.718.009.29	336.11	0.00	11.79
Curva	0+451.38	213.193.28	4.718.015.62	336.11	-50.00	4.654
Recta	0+456.03	213.189.25	4.718.017.94	330.18	0.00	12.686
Curva	0+468.72	213.177.96	4.718.023.73	330.18	-100.00	2.796
Recta	0+471.52	213.175.45	4.718.024.97	328.40	0.00	50.416
Curva	0+521.93	213.129.97	4.718.046.72	328.40	50.00	17.431
Recta	0+539.36	213.115.86	4.718.056.80	350.59	0.00	7.772
Curva	0+547.13	213.110.42	4.718.062.35	350.58	10.00	5.061
Recta	0+552.20	213.107.92	4.718.066.69	382.82	0.00	11.982
Curva	0+564.18	213.104.72	4.718.078.24	382.81	15.00	3.407
Recta	0+567.59	213.104.19	4.718.081.60	387.28	0.00	42.766
Curva	0+610.35	213.102.36	4.718.124.32	387.28	25.00	4.901

BASES DE REPLANTEO

Base	Coord. X	Coord. Y	Z
BRC-1	213.459.46	4.717.813.03	629.46
BRC-2	213.395.15	4.717.877.10	628.37
BRC-3	213.290.49	4.717.912.69	635.38

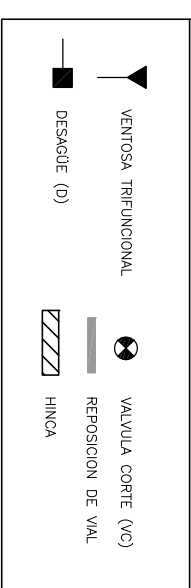
PLANTA
ESCALA 1:1.000

GOBIERNO DE ESPAÑA
 MINISTERIO DE MEDIO AMBIENTE, Y MEDIO RURAL Y MARINO
 acuaNorte
 Agua de la Costa de Mar
 EMPRESA CONSULTORA
 inypsa
 D. IVÁN GUTIÉRREZ COLINAS
 D. CÉSAR PRIETO GARCÍA
 EL INGENIERO AJUD DEL PROYECTO
 D. CELSO L. VÁSQUEZ-DIEGUEZ
 TÍTULO DEL PROYECTO:
 PROYECTO CONSTRUCTIVO DE MEJORA DEL ABASTECIMIENTO DE AGUA AL ALTO BIERZO: BEMBIBRE Y CASTROPODAME
 FECHA:
 MAYO 2009
 CLAVE:
 ACN 608.P2
 ESCALA:
 1:1000
 0 10 20 30m
 ORIGINAL EN A1
 PLANO Nº:
 5.2.2.2
 HOJA 1 DE 3
 REPLANTEO
 ABASTECIMIENTO A CASTROPODAME
 ABASTECIMIENTO A CALAMOCOS



BASES DE REPLANTEO			
Base	Coord. X	Coord. Y	Z
BRC-4	213.108.20	4.718.057.24	667.30
BRC-5	213.324.03	4.718.308.71	713.62

LISTADO DE REPLANTEO						
PK	Coord. X	Coord. Y	Azmut	Radiio	Longitud	
0+615.25	213.102.63	4.718.129.21	9.76	0.00	13.797	
0+629.05	213.104.74	4.718.142.84	9.76	50.00	41.493	
0+670.54	213.126.43	4.718.176.82	62.59	0.00	14.362	
0+684.90	213.138.38	4.718.184.79	62.59	25.00	8.443	
0+693.35	213.146.06	4.718.188.20	84.09	0.00	12.626	
0+705.97	213.158.29	4.718.191.33	84.09	25.00	2.801	
0+708.77	213.161.04	4.718.191.87	91.22	0.00	14.386	
0+723.14	213.175.27	4.718.193.84	91.22	100.00	4.241	
0+727.38	213.179.48	4.718.194.33	93.92	0.00	26.544	
0+753.92	213.205.90	4.718.196.87	93.92	-50.00	6.475	
0+760.40	213.212.29	4.718.197.90	85.68	0.00	19.234	
0+779.63	213.231.04	4.718.202.19	85.68	-16.00	3.877	
0+783.51	213.234.67	4.718.203.53	69.22	0.00	17.965	
0+801.48	213.250.57	4.718.211.88	69.22	-76.00	31.621	
0+833.10	213.274.69	4.718.231.97	42.38	0.00	27.498	
0+860.60	213.291.68	4.718.253.59	42.38	-50.00	7.04	
0+867.63	213.296.62	4.718.259.42	33.42	0.00	11.713	
0+879.35	213.301.49	4.718.269.55	33.42	100.00	5.424	
0+884.77	213.304.33	4.718.274.17	36.87	0.00	49.309	
0+934.08	213.331.32	4.718.315.44	36.87	100.00	6.971	
0+941.05	213.335.34	4.718.321.14	41.31	0.00	18.674	
0+959.73	213.346.62	4.718.336.02	41.31	75.00	13.886	
0+973.58	213.365.96	4.718.346.22	53.07	0.00	7.918	
0+981.50	213.361.82	4.718.351.54	53.07	75.00	28.843	
1+010.34	213.386.34	4.718.366.40	77.55	0.00	16.29	
1+026.63	213.401.63	4.718.372.03	77.55	75.00	8.396	
1+035.03	213.409.65	4.718.374.48	84.68	0.00	13.402	
1+048.43	213.422.67	4.718.377.68	84.67	-10.00	5.087	
1+053.62	213.427.09	4.718.380.07	52.29	0.00	5.141	
1+058.66	213.430.86	4.718.383.57	62.29	50.00	6.885	
1+065.54	213.436.20	4.718.387.90	61.06	0.00	10.418	
1+075.96	213.444.73	4.718.393.88	61.06	50.00	4.612	
1+090.97	213.448.63	4.718.396.35	66.93	0.00	9.465	
1+090.04	213.446.84	4.718.401.05	66.93	100.00	11.511	
1+101.65	213.476.95	4.718.406.18	74.26	0.00	10.67	
1+112.22	213.476.95	4.718.410.38	74.26	-100.00	11.246	
1+123.46	213.487.02	4.718.415.37	67.10	0.00	5.16	
1+128.62	213.491.50	4.718.417.92	67.09	-26.00	3.666	
1+132.19	213.494.47	4.718.419.90	58.02	0.00	10.979	
1+143.17	213.503.14	4.718.426.63	58.02	-200.00	26.913	
1+170.08	213.523.24	4.718.444.50	49.45	0.00	23.166	





Gobierno de España

Ministerio de Medio Ambiente y Medio Rural y Marino



acuanorte

LA DIRECCION DEL PROYECTO



D. César Prieto García

EMPRESA CONSULTORA



Inypsa

EL INGENIERO AJUDANTE DEL PROYECTO



D. Celso L. Andrade Delgado

TITULO DEL PROYECTO:

PROYECTO CONSTRUCTIVO DE MEJORA DEL ABASTECIMIENTO DE AGUA AL ALTO BIERZO: BEMBIBE Y CASTROPDAME

FECHA:

MAYO 2009

ESCALA:

1:1000

PLANO:

ABASTECIMIENTO A CASTROPDAME

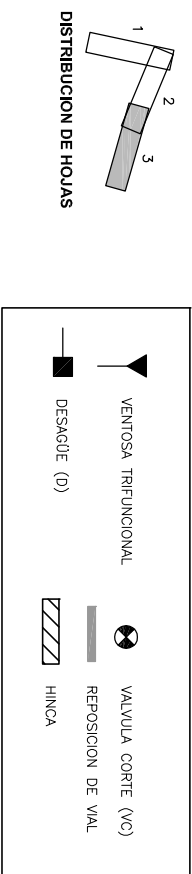
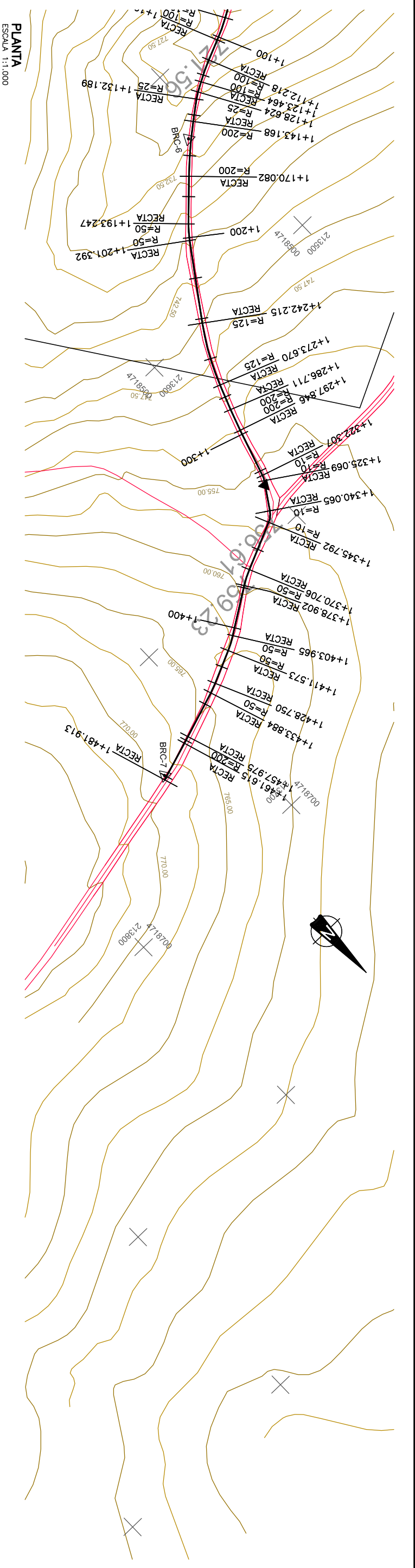
ABASTECIMIENTO A CALAMOCOS

REPLANTEO

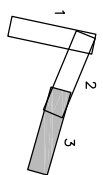
PLANO Nº:

5.2.2.2

Hoja 2 de 3



DISTRIBUCION DE HOJAS



BASES DE REPLANTEO			
Base	Coord. X	Coord. Y	Z
BRC-6	213,510,70	4,718,431,18	731,68
BRC-7	213,734,56	4,718,646,77	768,91

LISTADO DE REPLANTEO						
Tipo	P.K.	Coord. X	Coord. Y	Azmut	Radio	Longitud
Curva	1+193,25	213,539,48	4,718,461,02	49,45	-50,00	8,145
Recta	1+201,39	213,544,69	4,718,467,26	39,08	0,00	40,823
Curva	1+242,22	213,688,21	4,718,500,64	39,08	-125,00	31,453
Recta	1+273,67	213,582,92	4,718,528,34	23,06	0,00	13,041
Curva	1+286,71	213,587,54	4,718,540,54	23,06	-200,00	11,135
Recta	1+297,85	213,591,19	4,718,551,06	19,51	0,00	24,461
Curva	1+322,31	213,598,57	4,718,574,38	19,51	10,00	2,762
Recta	1+325,07	213,599,76	4,718,576,86	37,10	0,00	14,996
Curva	1+340,07	213,608,01	4,718,589,38	37,10	10,00	5,726
Recta	1+345,79	213,612,32	4,718,593,03	73,55	0,00	24,915
Curva	1+370,71	213,635,12	4,718,603,09	73,56	-50,00	8,195
Recta	1+378,90	213,636,12	4,718,606,99	63,12	0,00	25,063
Curva	1+403,97	213,663,29	4,718,620,71	63,12	50,00	7,608
Recta	1+411,57	213,669,95	4,718,624,38	72,80	0,00	17,177
Curva	1+428,75	213,685,58	4,718,631,50	72,81	50,00	5,134
Recta	1+433,88	213,690,35	4,718,633,38	79,34	0,00	24,091
Curva	1+467,98	213,713,19	4,718,641,06	79,34	200,00	3,64
Recta	1+481,91	213,736,00	4,718,648,31	80,50	0,00	20,298

 GOBIERNO DE ESPAÑA	MINISTERIO DE MEDIO AMBIENTE, Y MEDIO RURAL Y MARINO	 acuanorte	LA DIRECCION DEL PROYECTO		 EMPRESA CONSULTORA	EL INGENIERO AJUDANTE DEL PROYECTO		TITULO DEL PROYECTO: PROYECTO CONSTRUCTIVO DE MEJORA DEL ABASTECIMIENTO DE AGUA AL ALTO BIERZO: BEMBIBRE Y CASTROPODAME	FECHA:	ESCALA:	PLANO: ABASTECIMIENTO A CASTROPODAME ABASTECIMIENTO A CALAMOCOS REPLANTEO	PLANO Nº: 5.2.2.2 Hoja 3 de 3
			D. CÉSAR PIÑERO GARCÍA			D. IVÁN GUTIÉRREZ COLUJAS			CLAVE: ACN 6/08.P2	ORIGINAL EN 1		