

ÍNDICE

ESTUDIO DE TOPOGRAFÍA

- 1.- METODOLOGÍA
- 2.- PROGRAMAS EMPLEADOS
- 3.- DOCUMENTACIÓN

1.- METODOLOGÍA

Para el diseño del trazado en planta y alzado de la conducción de abastecimiento, así como su perfil, se apoyó en la cartografía de la Xunta 1:5000, realizando posteriormente un levantamiento taquimétrico prestando especial atención a distintos puntos singulares tales como: cruces de caminos, fondo de río, gálibo de pasos de abastecimiento, puntos bajos y altos de las tuberías, caminos vecinales, etc.

Estación total:

- Marca : LEICA
- Modelo: TCR 705
- N° de serie: 651392
- Fecha de última Calibración: 11/07/05

Para realizar el trabajo se utiliza el siguiente hardware:

- Ordenador Pentium IV 2,6Gh con:
- Memoria de RAM de 64 megabytes.
- Disco duro de 20 gigabytes.
- Monitor de 17 pulgadas.
- Tarjeta gráfica SIS TRIO 64.
- Plotter HP Designjet.

2.- PROGRAMAS EMPLEADOS

- Diseño asistido: AutoCad 2000 bajo Windows.
- MDT para Autocad.
- Hoja de Cálculo: Excel 97.
- Programa URBATOOL para WINDOWS, de TOOL, S.A.

3.- DOCUMENTACIÓN

Se adjuntan al presente anejo los listados de puntos obtenidos en el levantamiento que definen la situación de las futuras conducciones.

IMPULSIÓN

Nº	X	Y	ZTer	Nº	X	Y	ZTer
1	525783.121	4751240.727	175.000	47	525779.941	4749099.191	206.318
2	525810.754	4751223.474	170.000	48	525818.731	4748909.451	198.906
3	525850.435	4751196.756	159.000	49	525864.931	4748694.091	207.461
4	525755.070	4751074.923	156.720	50	525883.071	4748650.911	209.503
5	525706.181	4751030.650	155.000	51	525934.481	4748524.821	214.268
6	525613.007	4750955.989	150.000	52	525988.541	4748440.701	216.697
7	525590.921	4750924.211	147.876	53	526073.421	4748336.671	211.279
8	525552.631	4750867.641	146.159	54	526084.201	4748318.271	211.739
9	525489.131	4750729.131	145.621	55	526071.661	4748249.481	213.048
10	525474.841	4750710.281	145.772	56	526056.761	4748236.431	212.600
11	525477.611	4750702.931	145.963	57	526045.041	4748228.521	211.746
12	525501.021	4750665.801	147.093	58	526032.321	4748215.341	210.445
13	525534.701	4750613.811	148.703	59	525999.631	4748182.681	208.957
14	525569.441	4750594.751	148.864	60	525956.931	4748160.361	207.671
15	525578.771	4750583.611	149.060	61	525908.141	4748139.581	206.748
16	525578.561	4750530.101	152.869	62	525884.251	4748122.841	206.506
17	525555.711	4750472.561	158.934	63	525823.941	4748108.201	208.683
18	525533.071	4750414.801	164.371	64	525762.031	4748113.151	213.131
19	525522.561	4750403.011	165.866	65	525697.721	4748132.001	219.969
20	525507.051	4750392.171	167.249	66	525676.011	4748130.881	222.415
21	525499.251	4750388.031	166.384	67	525657.881	4748136.791	223.697
22	525503.521	4750375.551	167.467	68	525629.581	4748141.031	227.502
23	525509.751	4750362.921	168.993	69	525585.741	4748120.061	234.350
24	525498.031	4750314.801	173.797	70	525556.201	4748094.011	237.799
25	525490.401	4750271.861	179.065	71	525495.401	4748091.801	243.679
26	525497.181	4750210.201	184.261	72	525488.151	4748093.111	244.270
27	525510.691	4750152.261	185.259	73	525469.661	4748106.191	246.722
28	525519.411	4750115.691	185.875	74	525454.501	4748106.181	248.228
29	525527.351	4750043.741	187.192	75	525445.841	4748091.661	249.041
30	525544.061	4749958.921	188.258	76	525452.531	4748080.301	249.532
31	525565.941	4749858.651	189.714	77	525499.531	4748052.321	251.502
32	525585.621	4749759.671	193.377	78	525506.461	4748028.171	251.931
33	525621.491	4749604.301	204.728	79	525482.521	4747944.401	253.268
34	525662.801	4749549.241	209.643	80	525424.861	4747892.371	256.768
35	525653.401	4749534.861	210.154	81	525404.661	4747880.751	259.690
36	525650.241	4749530.831	210.266	82	525324.731	4747862.131	267.962
37	525626.011	4749513.121	210.429	83	525314.921	4747916.611	270.049
38	525612.891	4749470.781	208.213	84	525312.101	4747973.061	278.711
39	525604.761	4749446.291	205.483	85	525302.321	4748044.601	289.154
40	525584.101	4749438.591	202.393	86	525282.951	4748101.641	295.051
41	525570.681	4749414.591	200.222	87	525275.951	4748136.021	297.508
42	525566.121	4749387.281	195.499	88	525261.691	4748161.831	298.703
43	525573.311	4749352.251	192.793	89	525246.711	4748180.171	300.386
44	525635.881	4749311.291	202.036	90	525335.621	4748332.071	308.104
45	525701.361	4749251.651	206.707	91	525326.581	4748419.511	317.057
46	525742.911	4749191.881	209.040	92	525327.475	4748479.890	319.302

DEPÓSITO DE CABECERA-CRUCÉ BRIÓN

Nº	X	Y	ZTer
1	525327.475	4748479.890	319.302
2	525326.581	4748419.511	317.057
3	525335.621	4748332.071	308.104
4	525246.711	4748180.171	300.386
5	525261.691	4748161.831	298.703
6	525272.877	4748150.704	300.372
7	525275.951	4748136.021	297.508
8	525282.951	4748101.641	295.051
9	525302.321	4748044.601	289.154
10	525312.101	4747973.061	278.711
11	525314.921	4747916.611	270.049
12	525324.731	4747862.131	267.962
13	525404.661	4747880.751	259.690
14	525424.861	4747892.371	256.768
15	525482.521	4747944.401	253.268
16	525506.461	4748028.171	251.931
17	525499.531	4748052.321	251.502
18	525452.531	4748080.301	249.532
19	525445.841	4748091.661	249.041
20	525454.501	4748106.181	248.228
21	525469.661	4748106.191	246.722
22	525488.151	4748093.111	244.270
23	525495.401	4748091.801	243.679
24	525556.201	4748094.011	237.799
25	525585.741	4748120.061	234.350
26	525629.581	4748141.031	227.502
27	525657.881	4748136.791	223.697
28	525676.011	4748130.881	222.415
29	525697.721	4748132.001	219.969
30	525762.031	4748113.151	213.131
31	525823.941	4748108.201	208.683
32	525884.251	4748122.841	206.506
33	525908.141	4748139.581	206.748
34	525956.931	4748160.361	207.671
35	525999.631	4748182.681	208.957
36	526032.321	4748215.341	210.445
37	526045.041	4748228.521	211.746
38	526056.761	4748236.431	212.600
39	526071.661	4748249.481	213.048

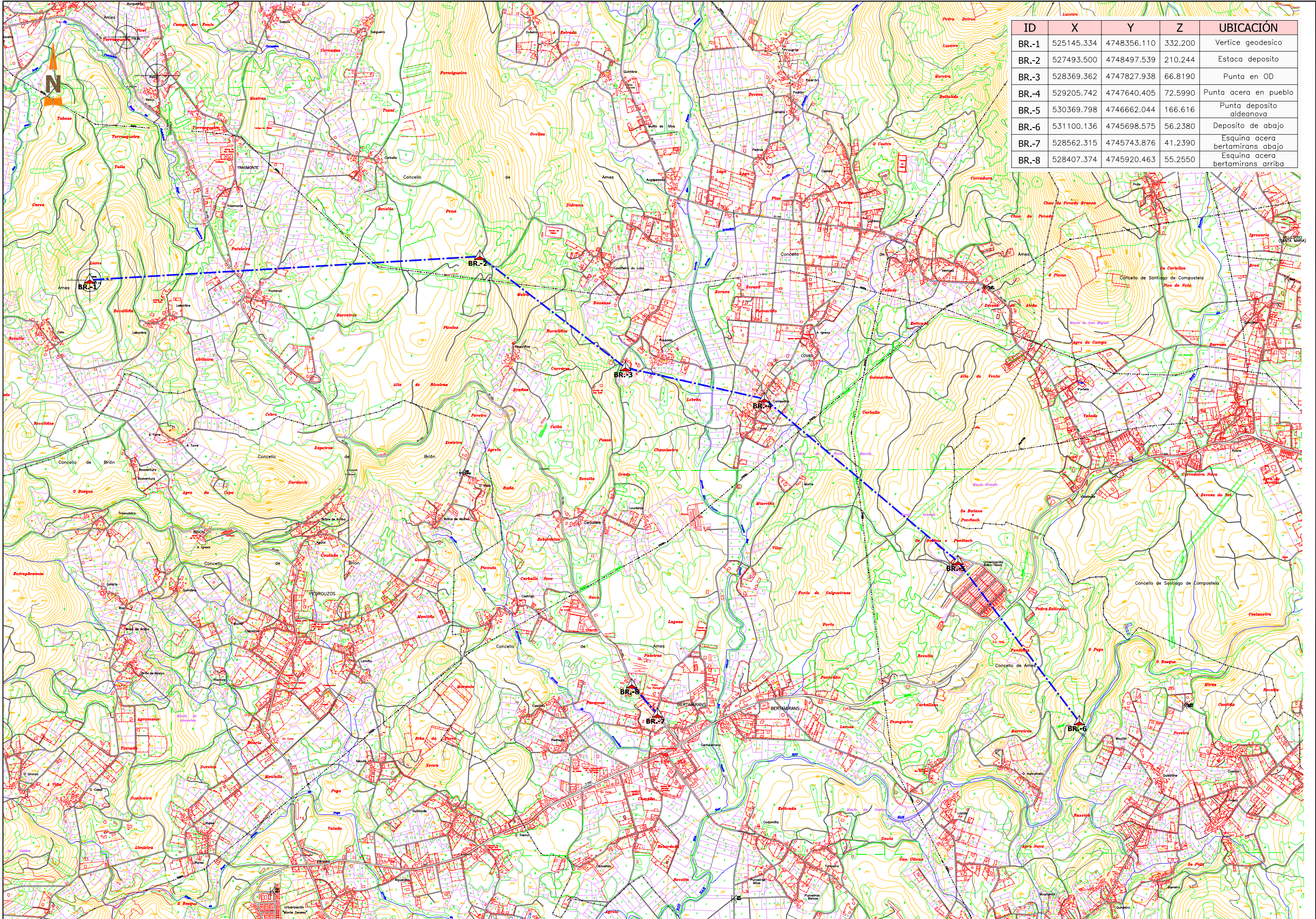
CRUCE BRIÓN-DEPÓSITO DE CASTIÑEIRO DE LOBOS

Nº	X	Y	ZTer	Nº	X	Y	ZTer
1	526071.661	4748249.481	213.048	47	527376.091	4748866.431	246.528
2	526122.541	4748240.881	215.294	48	527414.201	4748835.041	241.773
3	526144.371	4748275.471	215.691	49	527451.421	4748807.101	236.284
4	526168.961	4748304.811	215.752	50	527471.771	4748781.741	233.375
5	526172.781	4748322.321	216.115	51	527498.901	4748734.031	228.583
6	526168.601	4748344.911	217.145	52	527505.561	4748716.771	227.621
7	526177.881	4748356.731	218.781	53	527522.751	4748648.061	222.598
8	526188.871	4748359.421	219.459	54	527533.181	4748601.161	218.660
9	526216.291	4748359.071	223.453	55	527535.181	4748582.781	217.566
10	526237.521	4748375.311	225.879	56	527530.501	4748565.701	214.900
11	526286.411	4748440.361	230.635	57	527517.931	4748542.931	214.216
12	526292.781	4748452.331	231.388	58	527503.041	4748512.301	209.963
13	526303.781	4748496.871	233.996	59	527494.461	4748496.141	209.815
14	526311.371	4748526.501	235.521	60	527493.500	4748497.539	210.244
15	526317.221	4748549.161	235.832				
16	526323.131	4748571.061	235.621				
17	526336.571	4748620.671	235.059				
18	526367.001	4748736.741	237.980				
19	526377.861	4748777.531	237.359				
20	526397.261	4748850.411	234.124				
21	526412.371	4748908.911	232.435				
22	526429.311	4748970.561	234.943				
23	526456.491	4749073.431	238.813				
24	526473.831	4749136.821	242.620				
25	526477.981	4749145.061	243.205				
26	526550.461	4749132.721	246.730				
27	526624.221	4749120.851	252.584				
28	526695.841	4749109.861	257.584				
29	526767.551	4749097.401	263.383				
30	526791.111	4749093.971	264.254				
31	526845.061	4749084.281	266.288				
32	526853.921	4749081.681	266.322				
33	526863.201	4749072.431	266.563				
34	526873.131	4749042.451	266.328				
35	526885.151	4749024.541	266.923				
36	526936.861	4748979.821	270.283				
37	526980.181	4748946.571	273.036				
38	527005.091	4748932.971	273.763				
39	527049.951	4748923.981	272.123				
40	527089.161	4748912.711	268.347				
41	527111.921	4748914.731	267.637				
42	527157.331	4748929.041	264.347				
43	527217.541	4748940.531	259.064				
44	527240.301	4748937.701	257.508				
45	527296.431	4748910.001	253.095				
46	527353.251	4748881.511	248.980				

CRUCE BRIÓN-DEPÓSITO DE BRIÓN

Nº	X	Y	ZTer	Nº	X	Y	ZTer
1	526032.321	4748215.341	210.445	47	526150.091	4746731.411	161.790
2	526046.601	4748203.441	211.635	48	526166.841	4746734.371	162.024
3	526100.731	4748113.541	213.955	49	526203.541	4746737.391	158.528
4	526166.311	4748020.671	218.655	50	526223.241	4746738.491	158.608
5	526168.161	4748005.411	219.537	51	526284.231	4746717.951	152.798
6	526176.301	4747996.961	219.865	52	526302.171	4746708.971	152.479
7	526214.211	4747950.541	222.349	53	526355.971	4746658.511	147.218
8	526268.701	4747898.211	224.463	54	526366.861	4746663.191	147.142
9	526319.681	4747845.031	226.965	55	526379.411	4746671.481	149.498
10	526356.751	4747808.091	229.286				
11	526408.161	4747753.011	230.000				
12	526451.761	4747706.631	227.325				
13	526499.021	4747655.761	226.960				
14	526524.921	4747622.121	226.433				
15	526554.931	4747586.441	222.100				
16	526560.301	4747568.821	221.010				
17	526572.221	4747552.401	218.655				
18	526586.641	4747505.211	214.157				
19	526613.631	4747436.341	209.913				
20	526629.571	4747396.581	207.402				
21	526637.061	4747388.481	208.786				
22	526672.681	4747368.101	208.265				
23	526689.571	4747357.381	207.033				
24	526707.341	4747333.041	206.983				
25	526712.811	4747308.661	207.034				
26	526711.641	4747298.401	207.522				
27	526702.711	4747226.111	204.482				
28	526692.251	4747144.411	203.510				
29	526686.091	4747128.531	203.657				
30	526675.291	4747104.201	202.686				
31	526660.861	4747088.401	202.441				
32	526631.121	4747061.271	200.614				
33	526557.851	4746991.251	198.087				
34	526541.801	4746977.601	197.452				
35	526478.641	4746933.021	193.787				
36	526423.881	4746893.611	189.192				
37	526366.611	4746853.631	184.193				
38	526322.621	4746824.151	181.108				
39	526302.261	4746820.381	178.549				
40	526239.681	4746806.141	174.139				
41	526223.991	4746800.471	173.634				
42	526179.791	4746783.501	172.641				
43	526134.881	4746761.431	167.271				
44	526138.281	4746757.571	166.666				
45	526132.411	4746748.681	165.235				
46	526135.691	4746737.861	163.119				

PLANO DE PLANTA TOPOGRÁFICA Y BASES DE REPLANTEO



ID	X	Y	Z	UBICACIÓN
BR.-1	525145.334	4748356.110	332.200	Vertice geodesico
BR.-2	527493.500	4748497.539	210.244	Estaca deposito
BR.-3	528369.362	4747827.938	66.8190	Punta en OD
BR.-4	529205.742	4747640.405	72.5990	Punta acera en pueblo
BR.-5	530369.798	4746662.044	166.616	Punta deposito aldeanova
BR.-6	531100.136	4745698.575	56.2380	Deposito de abajo
BR.-7	528562.315	4745743.876	41.2390	Esquina acera bertamirans abajo
BR.-8	528407.374	4745920.463	55.2550	Esquina acera bertamirans arriba

0704231-001-5828-110149



CONSELLERÍA DE MEDIO AMBIENTE E DESENVOLVEMENTO SOSTIBLE



ENXENHEIRA AUTORA DO ANTEPROXECTO
EVA LOPEZ VIDAL

ENXENHEIRO DIRECTOR DO ANTEPROXECTO
FRANCISCO ALONSO FERNÁNDEZ

DEBUXADO:
COTEXADO:

SUSTITUIR A:
SUSTITUIR POR:

ESCALAS:
1:2.000



TÍTULO DO ANTEPROXECTO
ABASTECIMENTO EN AMES E BRIÓN (1ª FASE)
- A CORUÑA -

CLAVE:
OH.215.799

Nº PLANO:
FOLLA 1 DE 1

DESIGNACIÓN DO PLANO:
PLANTA TOPOGRAFICA FASE I

DATA:
XANEIRO 2008
Nº DE PÁXINA: