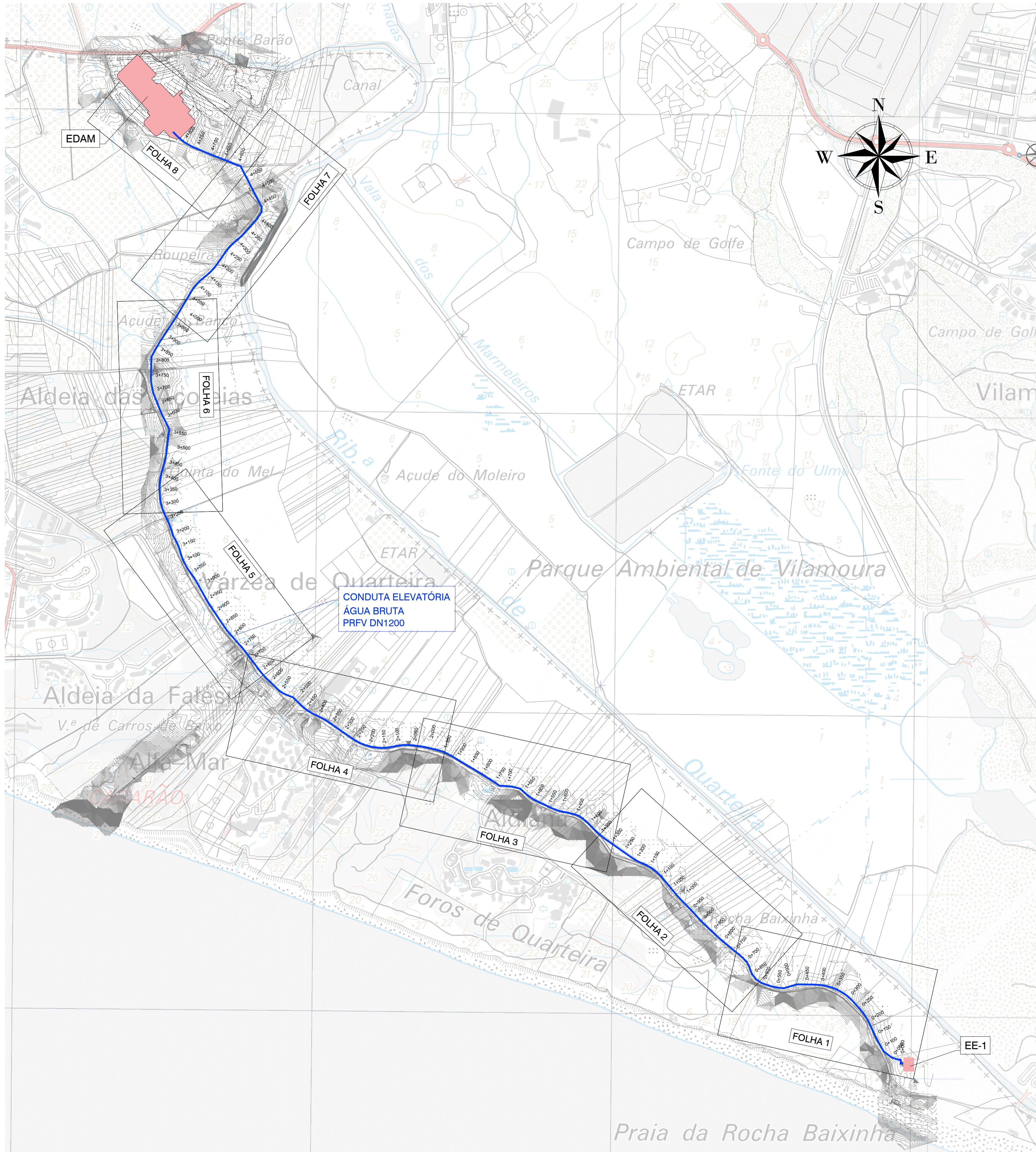




PLANTA
ESCALA 1/7.500

NOTAS

RAIO MÍNIMO DE GIRO 123M. FORAM RETIRADOS TUBOS DE 3 METROS DE COMPRIMENTO COM DEFLEXÃO MÁXIMA DE 1,4 GRAUS

AS PROFUNDIDADES DOS SERVIÇOS AFETADOS TÊM DE SER VERIFICADAS / CONFIRMADAS PELO ADJUDICATÁRIO DA EMPREITADA

SISTEMA DE REFERÊNCIA ALTIMÉTRICO: NÍVEL MÉDIO DAS ÁGUAS DO MAR - MARÉGRAFO DE CASCAIS

0 200 400 600 800 m.

Sistema de coordenadas: ETRS89/TM06 - Portugal

ÁGUA BRUTA PRFV DN 1200					
Número	PK	COMPRIMENTO	RAIO	ORIENTAÇÃO	M.P INICIO/FIN
L48	0+000.00/0+006.00	5.999		300.0000	-82.97,-287561.01/-88.97,-287561.01
C4	0+006.00/0+006.00	0.002	0.001		
L49	0+006.00/0+018.40	12.396		399.9949	-88.97,-287561.01/-88.97,-287548.61
C5	0+018.40/0+018.40	0.002	0.001		
L50	0+018.40/0+024.40	5.998		300.0000	-88.98,-287548.61/-94.97,-287548.61
C6	0+024.40/0+024.40	0.000	0.001		
L51	0+024.40/0+049.18	24.786		318.1799	-94.97,-287548.61/-118.76,-287541.63
C7	0+049.18/0+049.18	0.000	0.001		
L52	0+049.18/0+082.75	33.567		340.6681	-118.76,-287541.63/-145.70,-287521.61
C8	0+082.75/0+082.75	0.000	0.001		
L55	0+082.75/0+122.83	40.078		366.8216	-145.70,-287521.61/-165.66,-287486.86
C1	0+122.83/0+138.19	15.365	175.000		
L56	0+138.19/0+186.41	48.220		372.4111	-172.71,-287473.21/-192.96,-287429.45
C2	0+186.41/0+244.23	57.813	200.000		
L54	0+244.23/0+275.96	31.738		354.0088	-224.43,-287381.19/-245.42,-287357.38
C3	0+275.96/0+420.64	144.680	175.000		
L53	0+420.64/0+481.80	61.157		301.3765	-372.92,-287298.14/-434.06,-287296.81
C9	0+481.80/0+481.80	0.000	0.001		
L47	0+481.80/0+529.47	47.670		282.1955	-434.06,-287296.81/-479.88,-287309.97
C10	0+529.47/0+529.47	0.000	0.001		
L46	0+529.47/0+534.24	4.770		304.0053	-479.88,-287309.97/-484.64,-287309.67
C48	0+534.24/0+580.96	46.718	175.000		
L57	0+580.96/0+605.87	24.911		321.0003	-530.33,-287300.58/-553.89,-287292.51
C49	0+605.87/0+605.87	0.000	0.001		
L20	0+605.87/0+627.23	21.364		337.7629	-553.89,-287292.51/-571.61,-287280.57
C50	0+627.23/0+627.23	0.000	0.001		
L21	0+627.23/0+650.85	23.614		357.5100	-571.61,-287280.57/-586.23,-287282.03
C51	0+650.85/0+650.85	0.000	0.001		
L22	0+650.85/0+679.75	28.902		377.8804	-586.23,-287282.02/-596.07,-287234.85
C52	0+679.75/0+679.75	0.000	0.001		
L24	0+679.75/0+694.45	14.703		367.0916	-596.07,-287234.85/-603.33,-287222.07
C53	0+694.45/0+694.45	0.000	0.001		
L25	0+694.45/0+700.45	6.000		352.5512	-603.33,-287222.07/-607.40,-287217.66
C45	0+700.45/0+724.33	23.873	175.000		
L23	0+724.33/0+806.24	81.909		343.8667	-624.74,-287201.27/-687.96,-287149.19
C11	0+806.24/0+817.88	11.647	175.000		
L58	0+817.88/0+892.07	74.187		348.1037	-696.70,-287141.50/-750.69,-287090.62
C12	0+892.07/0+907.85	15.784	175.000		
L59	0+907.85/0+936.03	28.173		353.8457	-761.68,-287079.30/-780.36,-287058.21
C13	0+936.03/0+945.90	9.875	175.000		
L60	0+945.90/0+999.38	53.483		350.2534	-787.11,-287051.01/-824.78,-287013.04
C14	0+999.38/0+1015.75	16.361	175.000		
L61	1+015.75/0+1089.13	73.381		356.2054	-835.74,-287000.90/-882.34,-286944.21
C15	1+089.13/0+1176.72	87.590	175.000		
L37	1+176.72/0+177.84	1.123		324.3417	-952.24,-286892.96/-953.28,-286892.54
C63	1+177.84/0+218.62	40.775	175.000		
L38	1+218.62/0+330.56	111.943		339.1751	-989.01,-286873.08/-1080.42,-286808.46
C62	1+330.56/0+363.33	32.772	175.000		
L39	1+363.33/0+396.59	33.263		351.0970	-1105.26,-286787.15/-1128.37,-286763.23
C46	1+396.59/0+425.63	29.037	175.000		
L26	1+425.63/0+439.61	13.980		340.5340	-1150.18,-286744.11/-1161.42,-286735.80
C54	1+439.61/0+439.61	0.000	0.001		
L27	1+439.61/0+448.91	9.304		322.8415	-1161.42,-286735.80/-1170.13,-286732.53
C47	1+448.91/0+478.45	29.532	175.000		
L62	1+478.45/0+495.82	17.377		312.0983	-1198.52,-286724.54/-1215.59,-286721.26
C16	1+495.82/0+540.16	44.339	175.000		
L63	1+540.16/0+587.44	47.277		328.2280	-1257.61,-286707.48/-1300.31,-286687.20
C17	1+587.44/0+638.51	51.075	175.000		
L64	1+638.51/0+660.57	22.058		346.8080	-1342.62,-286658.92/-1358.98,-286644.12
C55	1+660.57/0+660.57	0.000	0.001		
L65	1+660.57/0+673.06	12.489		316.5964	-1358.98,-286644.12/-1371.05,-286640.90
C18	1+673.06/0+707.61	34.548	175.000		
L66	1+707.61/0+731.58	23.967		304.0284	-1405.09,-286635.34/-1429.01,-286633.82
C56	1+731.58/0+731.58	0.001	0.001		
L67	1+731.58/0+792.36	60.783		337.3617	-1429.01,-286633.82/-1479.62,-286600.16
C41	1+792.36/0+800.86	8.501	175.000		
L68	1+800.86/0+922.02	121.163		334.2692	-1486.81,-286595.63/-1590.84,-286533.51
C19	1+922.02/0+976.80	54.779	175.000		
L69	1+976.80/0+1011.17	34.362		314.3416	-1641.47,-286513.18/-1674.96,-286505.51
C20	2+011.17/0+028.27	17.102	175.000		
L70	2+028.27/0+053.31	25.038		308.1203	-1691.79,-286502.02/-1716.63,-286499.32
C21	2+053.31/0+113.88	60.570	175.000		
L71	2+113.88/0+120.11	6.234		286.0859	-1776.83,-286502.02/-1782.92,-286503.42
C22	2+120.11/0+264.89	144.776	175.000		
L72	2+264.89/0+359.46	94.576		338.7529	-1920.93,-286476.15/-1998.52,-286422.06

ÁGUA BRUTA PRFV DN 1200					
Número	PK	COMPRIMENTO	RAIO	ORIENTAÇÃO	M.P INICIO/FIN
C23	2+359.46/2+385.79	26.328	175.000		
L74	2+385.79/2+415.13	29.341		329.1752	-2021.17,-286408.69/-2047.48,-286395.71
C25	2+415.13/2+470.03	54.899	175.000		
L75	2+470.03/2+505.62	35.590		349.1463	-2092.13,-286364.16/-2117.63,-286339.33
C57	2+505.62/2+505.62	0.000	0.001		
L28	2+505.62/2+534.79	29.171		324.0900	-2117.64,-286339.33/-2144.74,-286328.55
C58	2+534.79/2+534.79	0.000	0.001		
L29	2+534.79/2+554.80	20.010		333.2415	-2144.74,-286328.55/-2162.09,-286318.57
C59	2+554.80/2+554.80	0.000	0.001		
L30	2+554.80/2+617.73	62.929		348.8247	-2162.09,-286318.57/-2207.40,-286274.90
C24	2+617.73/2+644.97	27.241	175.000		
L73	2+644.97/2+733.80	88.826		358.7345	-2225.47,-286254.55/-2279.09,-286183.74
C26	2+733.80/2+747.74	13.946	175.000		
L1	2+747.74/2+812.35	64.604		353.6612	-2287.95,-286172.97/-2330.93,-286124.74
C27	2+812.35/2+836.39	24.046	175.000		
L2	2+836.39/2+930.53	94.138		362.4086	-2345.64,-286105.75/-2398.06,-286027.55
C28	2+930.53/2+945.76	15.229	175.000		
L3	2+945.76/3+012.88	67.124		367.9488	-2405.97,-286014.55/-2438.36,-285955.75
C29	3+012.88/3+033.00	20.118	175.000		
L4	3+033.00/3+062.16	29.154		360.6303	-2449.06,-285938.73/-2465.96,-285914.97
C30	3+062.16/3+119.90	57.741	175.000		
L5	3+119.90/3+135.15	15.250		381.6357	-2491.14,-285863.30/-2495.48,-285848.68
C31	3+135.15/3+174.85	39.700	175.000		
L31	3+174.85/3+188.86	14.011		367.1936	-2510.97,-285812.22/-2517.88,-285800.03
C60	3+188.86/3+188.86	0.000	0.001		
L32	3+188.86/3+210.94	22.081		380.8310	-2517.88,-285800.03/-2524.42,-285778.94
C42	3+210.94/3+234.13	23.195	175.000		
L33	3+234.13/3+265.99	31.854		372.3929	-2532.75,-285757.31/-2546.13,-285728.41
C32	3+265.99/3+332.44	66.454	175.000		
L6	3+332.44/3+349.71	17.271		396.5678	-2562.08,-285664.30/-2563.01,-285647.06
C33	3+349.71/3+407.46	57.746	175.000		
L7	3+407.46/3+445.34	37.883		17.5747	-2556.64,-285589.93/-2546.31,-285553.48
C34	3+445.34/3+473.91	28.570	175.000		
L40	3+473.91/3+528.91	55.002		7.1813	-2540.80,-285525.48/-2534.61,-285470.83
C64	3+528.91/3+538.74	9.825	175.000		
L41	3+538.74/3+555.26	16.520		10.7556	-2533.23,-285461.10/-2530.45,-285444.82
C74	3+555.26/3+555.26	0.001	0.001		
L8	3+555.26/3+612.99	57.732		370.7167	-2530.45,-285444.82/-2556.08,-285393.08
C65	3+612.99/3+627.92	14.929	175.000		
L9	3+627.92/3+690.28	62.360		376.1475	-2562.13,-285379.44/-2584.95,-285321.41
C66	3+690.28/3+690.28	0.002	0.010		
L10	3+690.28/3+730.49	40.208		388.4423	-2584.95,-285321.41/-2592.21,-285281.86
C68	3+730.49/3+730.49	0.002	0.010		
L11	3+730.49/3+810.54	80.045		1.4314	-2582.21,-285281.86/-2590.41,-285201.83
C73	3+810.54/3+810.54	0.000	0.001		
L42	3+810.54/3+863.37	52.835		32.9845	-2590.41,-285201.83/-2564.24,-285155.93
C67	3+863.37/3+876.95	13.578	207.308		
L12	3+876.95/3+961.35	84.402		37.1541	-2557.14,-285144.36/-2510.63,-285073.93
C35	3+961.35/3+969.81	8.460	175.000		
L13	3+969.81/4+062.25	92.441		34.0766	-2506.14,-285066.76/-2458.99,-284987.25
C36	4+062.25/4+124.49	62.232	175.000		
L14	4+124.49/4+140.82	16.339		56.7155	-2418.49,-284940.43/-2405.79,-284930.16
C37	4+140.82/4+189.17	48.349	175.000		
L15	4+189.17/4+242.66	53.491		39.1271	-2372.84,-284894.98/-2341.99,-284851.28
C38	4+242.66/4+292.53	49.867	175.000		
L16	4+292.53/4+299.90	7.369		57.2680	-2307.86,-284815.16/-2302.09,-284810.57
C39	4+299.90/4+329.11	29.214	175.000		
L36	4+329.11/4+377.90	48.783		46.8406	-2280.83,-284790.58/-2248.20,-284754.32
C44	4+377.90/4+410.69	32.792	175.000		
L17	4+410.69/4+421.60	10.909		34.7114	-2228.68,-284728.03/-2223.02,-284718.71
C61	4+421.60/4+421.60	0.001	0.001		
L18	4+421.60/4+437.49	15.894		1.7843	-2223.02,-284718.71/-2222.57,-284702.82
C72	4+437.49/4+437.49	0.001	0.001		
L43	4+437.49/4+591.00	153.507		369.8150	-2222.57,-284702.82/-2292.66,-284566.25
C71	4+591.00/4+591.00	0.001	0.001		
L44	4+591.00/4+603.38	12.380		320.3559	-2292.66,-284566.25/-2304.42,-284562.35
C70	4+603.38/4+624.76	21.384	175.000		
L45	4+624.76/4+627.70	2.939		328.1351	-2324.26,-284554.41/-2326.91,-284553.15
C69	4+627.70/4+641.00	13.298	175.000		
L34	4+641.00/4+693.91	52.905		323.2977	-2339.14,-284547.93/-2388.54,-284529.00
C43	4+693.91/4+700.40	6.497	175.000		
L35	4+700.40/4+759.96	59.553		325.6613	-2394.56,-284526.56/-2449.34,-284503.20
C40	4+759.96/4+830.32	70.363	175.000		
L19	4+830.32/4+846.38	16.062		351.2580	-2506.86,-284463.50/-2517.99,-284451.99