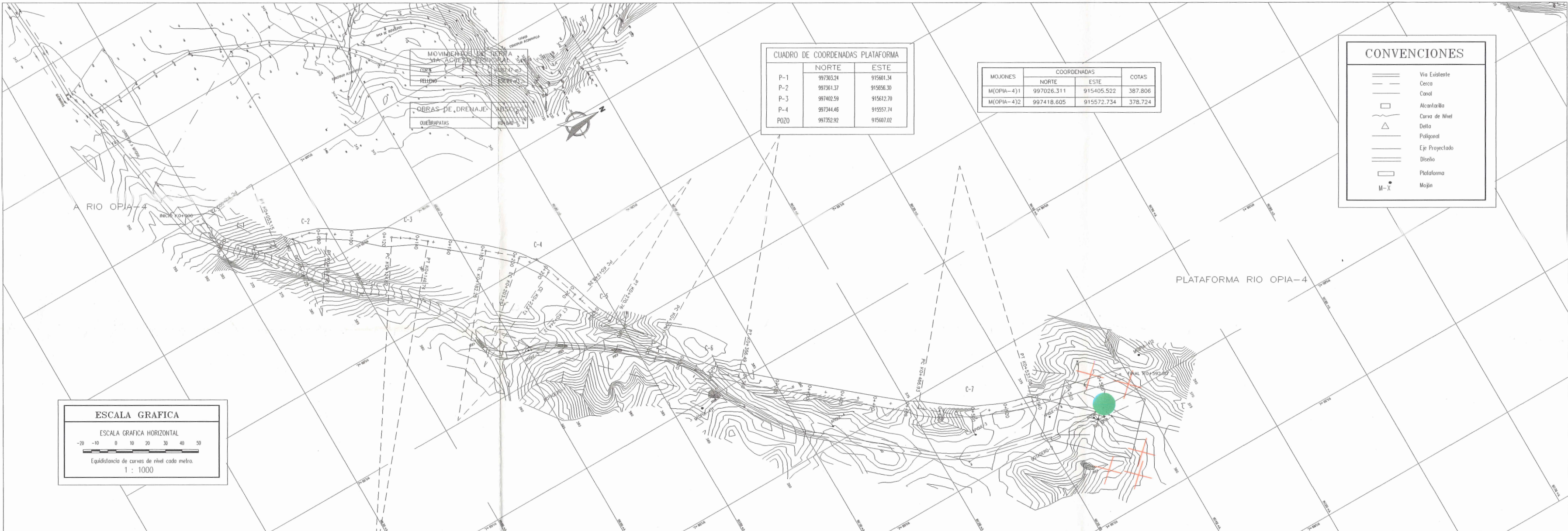
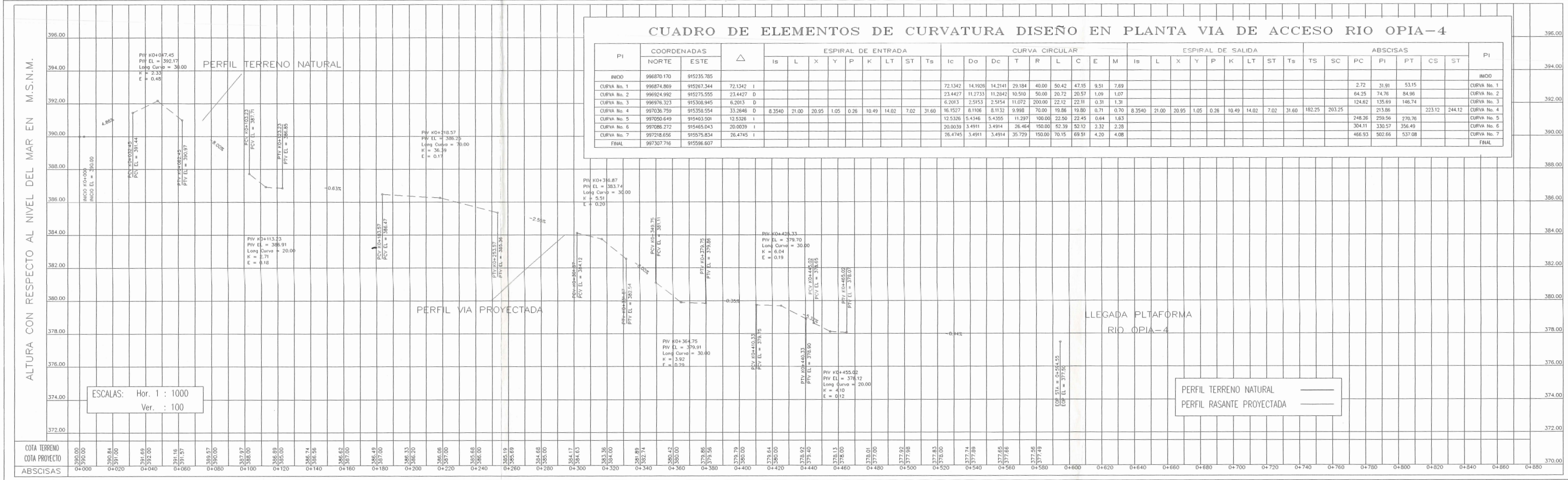
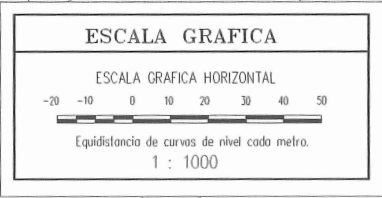




CUADRO DE COORDENADAS PLATAFORMA		
	NORTE	ESTE
P-1	997303.24	915601.34
P-2	997361.37	915656.30
P-3	997402.59	915612.70
P-4	997344.46	915557.74
POZO	997352.92	915607.02

MOJONES	COORDENADAS		COTAS
	NORTE	ESTE	
M(OPIA-4)1	997026.311	915405.522	387.806
M(OPIA-4)2	997418.605	915572.734	378.724

CONVENCIONES	
	Via Existente
	Centro
	Canal
	Curva de Nivel
	Delta
	Poligono
	Eje Projectado
	Diseño
	Plataforma
	Mojón



CUADRO DE ELEMENTOS DE CURVATURA DISEÑO EN PLANTA VIA DE ACCESO RIO OPIA-4																																								
PI	COORDENADAS		Δ	ESPIRAL DE ENTRADA										CURVA CIRCULAR										ESPIRAL DE SALIDA										ABSCISAS						PI
	NORTE	ESTE		Is	L	X	Y	P	K	LT	ST	Ts	Ic	Do	Dc	T	R	L	C	E	M	Is	L	X	Y	P	K	LT	ST	Ts	SC	PC	PI	PT	CS	ST				
INICIO	996870.170	915235.785																																					INICIO	
CURVA No. 1	996874.869	915237.344	72.1342	1																																		CURVA No. 1		
CURVA No. 2	996924.992	915275.555	23.4427	0																																		CURVA No. 2		
CURVA No. 3	996976.323	915308.945	6.2013	0																																		CURVA No. 3		
CURVA No. 4	997036.759	915356.554	33.2646	0	8.3540	21.00	20.95	1.05	0.26	10.49	14.02	7.02	31.60	16.1527	8.1106	8.1132	9.980	70.00	19.88	19.80	0.71	0.70	8.3540	21.00	20.95	1.05	0.26	10.49	14.02	7.02	31.60	182.25	203.25			213.88		CURVA No. 4		
CURVA No. 5	997050.649	915403.591	12.5326	1										12.5326	5.4346	5.4355	11.297	100.00	22.50	22.45	0.64	1.63																CURVA No. 5		
CURVA No. 6	997086.272	915465.043	20.0039	1										20.0039	3.4911	3.4914	26.464	150.00	52.39	52.12	2.32	2.28																CURVA No. 6		
CURVA No. 7	997218.656	915575.834	26.4745	1										26.4745	3.4911	3.4914	35.729	150.00	70.15	69.51	4.20	4.08																CURVA No. 7		
FINAL	997307.716	915596.607																																				FINAL		