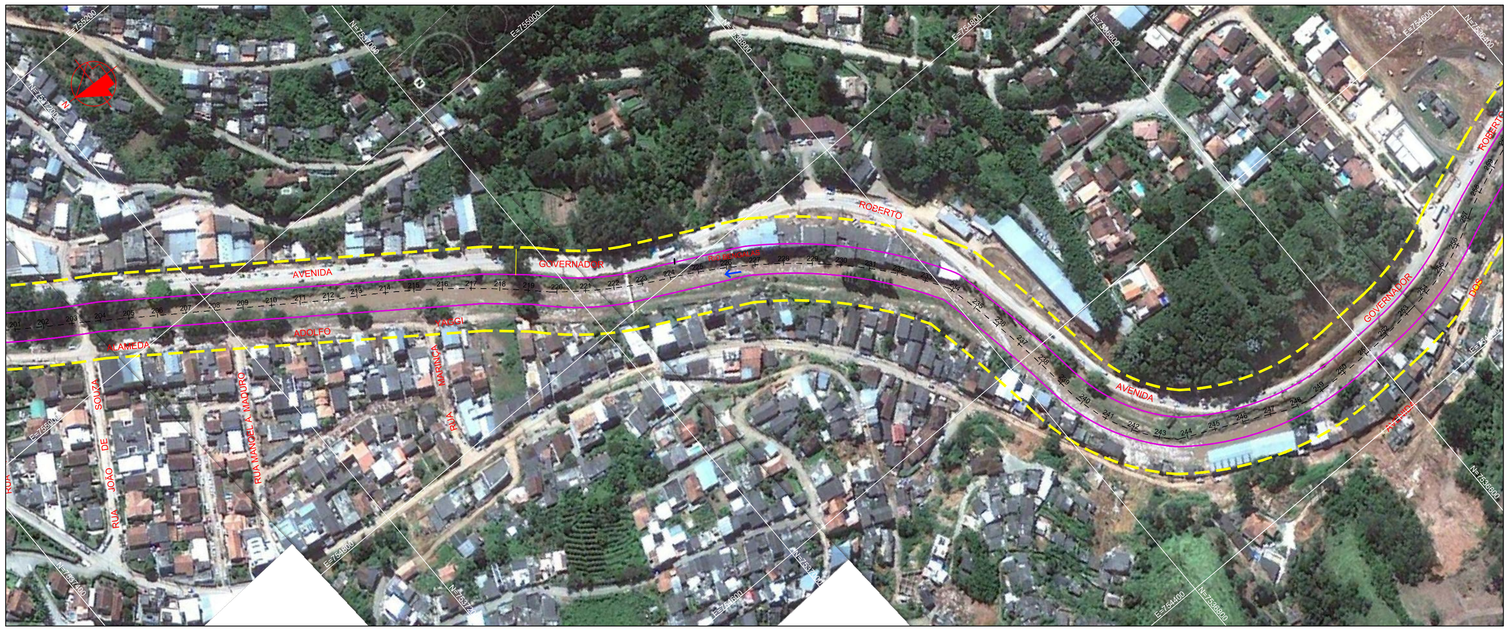
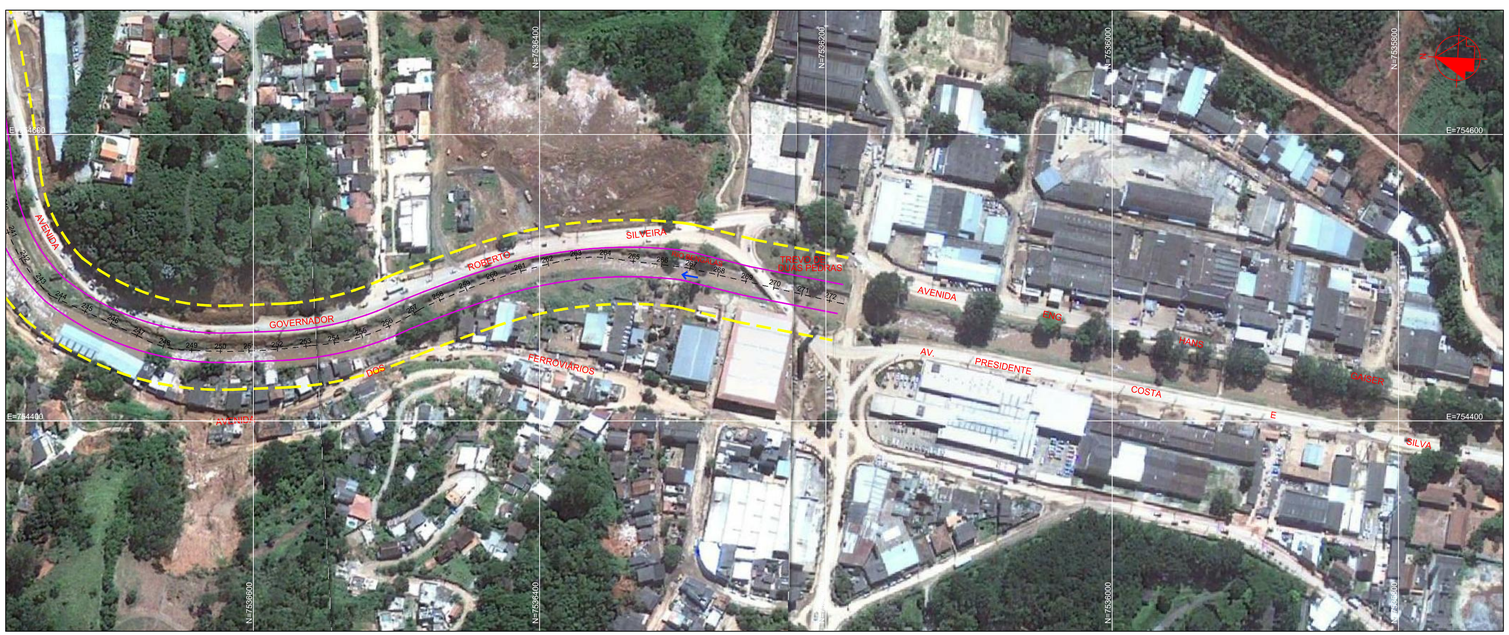
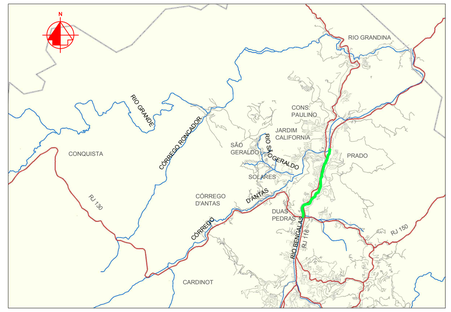




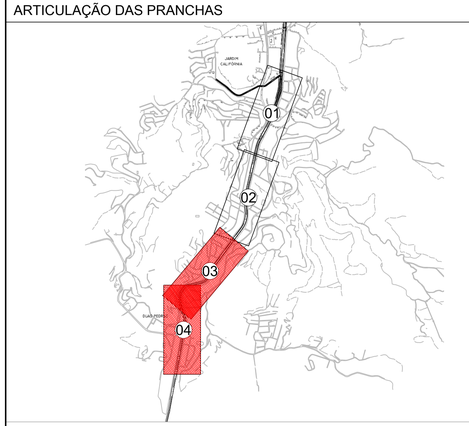
ESTACA	MARGEM ESQUERDA		MARGEM DIREITA	
	N	E	N	E
202	7.537.314,136	755.034,400	7.537.281,277	755.082,922
203	7.537.296,981	755.023,280	7.537.264,894	755.072,330
204	7.537.280,515	755.013,279	7.537.247,065	755.061,412
205	7.537.264,320	755.001,628	7.537.230,791	755.049,698
206	7.537.248,109	754.989,913	7.537.214,577	755.037,981
207	7.537.231,896	754.978,196	7.537.198,365	755.026,264
208	7.537.215,684	754.966,480	7.537.182,152	755.014,548
209	7.537.199,471	754.954,763	7.537.165,939	755.002,831
210	7.537.183,259	754.943,047	7.537.149,727	754.991,115
211	7.537.167,046	754.931,331	7.537.133,514	754.979,399
212	7.537.150,833	754.919,614	7.537.117,302	754.967,682
213	7.537.133,650	754.907,196	7.537.102,018	754.956,637
214	7.537.118,220	754.896,045	7.537.085,097	754.944,409
215	7.537.102,816	754.884,913	7.537.068,205	754.932,201
216	7.537.087,406	754.873,777	7.537.051,306	754.919,989
217	7.537.071,979	754.862,628	7.537.034,334	754.907,724
218	7.537.057,069	754.850,813	7.537.018,035	754.894,527
219	7.537.042,711	754.838,335	7.537.002,178	754.880,751
220	7.537.027,048	754.822,720	7.536.989,591	754.868,037
221	7.537.010,556	754.808,505	7.536.975,890	754.855,800
222	7.536.992,732	754.795,946	7.536.960,942	754.845,181
223	7.536.973,734	754.785,331	7.536.944,806	754.836,357
224	7.536.954,451	754.775,486	7.536.928,402	754.827,982
225	7.536.938,204	754.767,191	7.536.909,047	754.818,100
226	7.536.921,606	754.758,716	7.536.889,836	754.808,291
227	7.536.905,200	754.749,801	7.536.871,024	754.797,415
228	7.536.890,282	754.738,686	7.536.853,626	754.784,408
229	7.536.876,091	754.726,578	7.536.837,115	754.770,343
230	7.536.862,760	754.713,593	7.536.821,505	754.755,233
231	7.536.850,562	754.700,055	7.536.806,612	754.738,835
232	7.536.839,278	754.685,783	7.536.792,831	754.721,530
233	7.536.828,944	754.670,828	7.536.780,191	754.703,358
234	7.536.823,433	754.661,914	7.536.766,082	754.676,480
235	7.536.819,010	754.643,505	7.536.761,716	754.655,837
236	7.536.815,459	754.624,709	7.536.757,820	754.635,281
237	7.536.812,279	754.605,832	7.536.754,346	754.614,654
238	7.536.809,473	754.586,890	7.536.751,293	754.593,956
239	7.536.807,036	754.567,834	7.536.748,671	754.573,250
240	7.536.802,788	754.545,071	7.536.745,368	754.557,312
241	7.536.794,875	754.522,178	7.536.740,255	754.543,579
242	7.536.783,691	754.500,869	7.536.733,306	754.530,846
243	7.536.769,490	754.481,517	7.536.724,665	754.519,277
244	7.536.746,924	754.461,078	7.536.721,171	754.515,438
245	7.536.729,742	754.450,167	7.536.704,874	754.503,539
246	7.536.711,808	754.441,006	7.536.687,325	754.494,252
247	7.536.693,084	754.433,548	7.536.668,708	754.487,232
248	7.536.669,676	754.426,913	7.536.654,191	754.483,526
249	7.536.642,996	754.422,680	7.536.643,212	754.481,676
250	7.536.623,491	754.421,710	7.536.622,633	754.480,311
251	7.536.602,199	754.422,343	7.536.604,207	754.480,910
252	7.536.580,944	754.423,183	7.536.585,742	754.481,639
253	7.536.559,648	754.424,780	7.536.567,326	754.482,883
254	7.536.538,896	754.428,155	7.536.548,805	754.485,957
255	7.536.516,315	754.433,914	7.536.533,360	754.489,983
256	7.536.494,391	754.441,738	7.536.518,295	754.495,281
257	7.536.472,812	754.450,862	7.536.503,440	754.501,722
258	7.536.457,822	754.456,582	7.536.480,948	754.510,503
259	7.536.440,185	754.462,866	7.536.460,993	754.517,678
260	7.536.422,487	754.468,791	7.536.440,917	754.524,426
261	7.536.404,545	754.473,765	7.536.420,524	754.530,182
262	7.536.386,337	754.477,547	7.536.399,822	754.534,665
263	7.536.370,126	754.479,885	7.536.377,359	754.538,040
264	7.536.356,739	754.481,101	7.536.352,501	754.540,021
265	7.536.337,967	754.481,737	7.536.331,190	754.540,275
266	7.536.318,008	754.481,049	7.536.311,064	754.539,297
267	7.536.301,146	754.478,954	7.536.288,067	754.536,087
268	7.536.281,816	754.474,125	7.536.268,593	754.531,223
269	7.536.261,980	754.469,171	7.536.249,307	754.526,406
270	7.536.242,697	754.465,442	7.536.229,604	754.522,596
271	7.536.223,048	754.461,642	7.536.209,956	754.518,796
272	7.536.203,399	754.457,842	7.536.190,307	754.514,996

MAPA DE LOCALIZAÇÃO



RIO BENGALAS

ARTICULAÇÃO DAS PRANCHAS



LEGENDA

- ESTAQUEAMENTO
- SENTIDO DE ESCOAMENTO
- CALHA DO RIO BENGALAS
- PROJEÇÃO DO TIRANTE

* SENDO A DISTÂNCIA ESTIMADA DO PARAMENTAL VERTICAL NO RIO, IGUAL A 19,50M.

NOTAS

1 - MEDIDAS E COTAS EM METRO, SALVO ONDE INDICADO.

2 - ESTE DESENHO APRESENTA A PROJEÇÃO DA ZONA DE INTERFERÊNCIA PREVISTA EM PROJETO PARA OS TIRANTES DA CORTINA .

DOCUMENTOS DE REFERÊNCIA

1 - DRM-BH00-PNF-FBE-0-ECO-G-001_013-DE
2 - DRM-BH00-PNF-FBE-0-ECO-E-008-DE

inicial	A	22/07/13			Desenho original
Emissão	Tipo	Data	Revisado por	Resp. Técnico	Descrição

TIPOS DE EMISSÃO				
	A - Preliminar	C - Para conhecimento	E - Para construção	G - Cancelado
	B - Para liberação	D - Para cotação	F - Conf. construído	

GOVERNO DO ESTADO DO RIO DE JANEIRO
SECRETARIA DE ESTADO DO AMBIENTE
INSTITUTO ESTADUAL DO AMBIENTE

APROVAÇÃO DO INEA

PROJETO EXECUTIVO PARA AS OBRAS DE CONTROLE DE INUNDAÇÕES E RECUPERAÇÃO AMBIENTAL DO CÓRREGO D'ANTAS E RIO BENGALAS - MUNICÍPIO DE NOVA FRIBURGO - RJ

Ecologus
Engenharia Consultiva

Projeto: ZONA DE INTERFERÊNCIA DOS TIRANTES RIO BENGALAS

Responsável pelo projeto	CREA	Visto
VICTOR CAMPOS DO REGO	1996121459	

Número do INEA	Data	Prancha
DRM-BH00-PNF-FBE-0-ECO-E-092-DE	22/07/2013	02/02
Número do projeto: INE06-RB-ET-PE-DE-092-R0	Escala: 1:2.000	