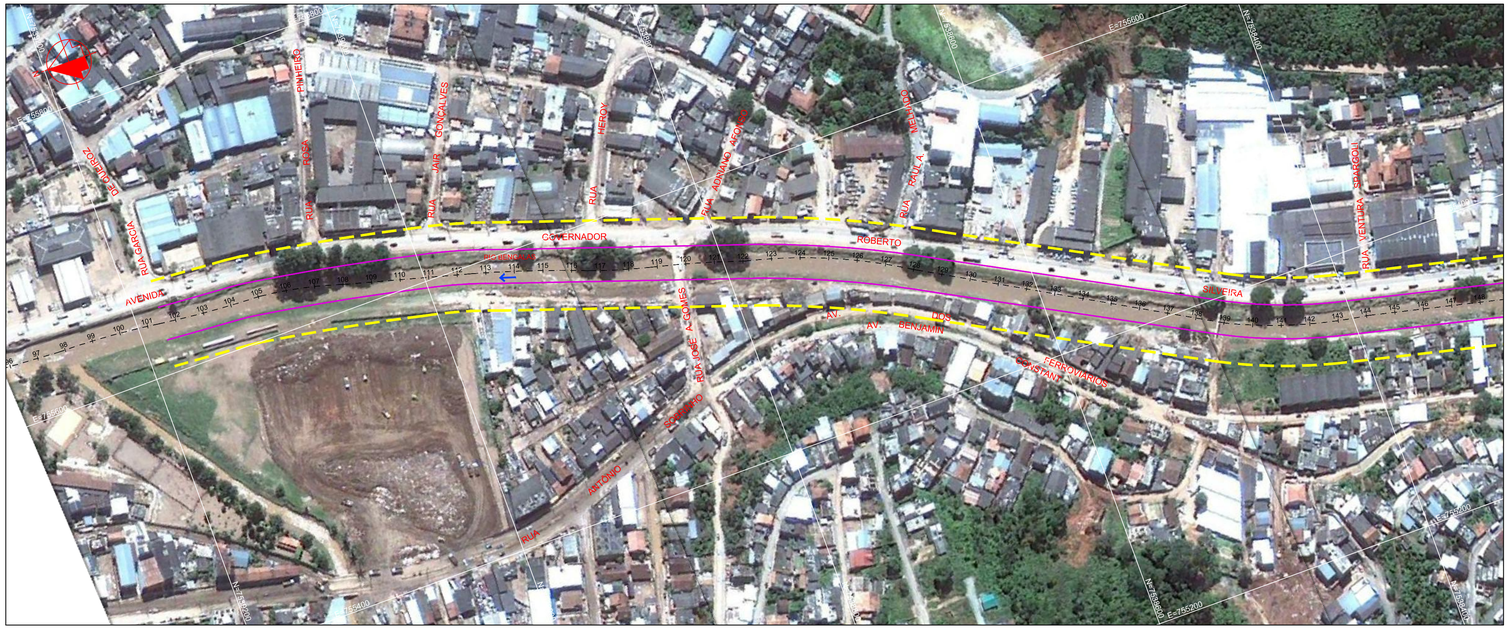
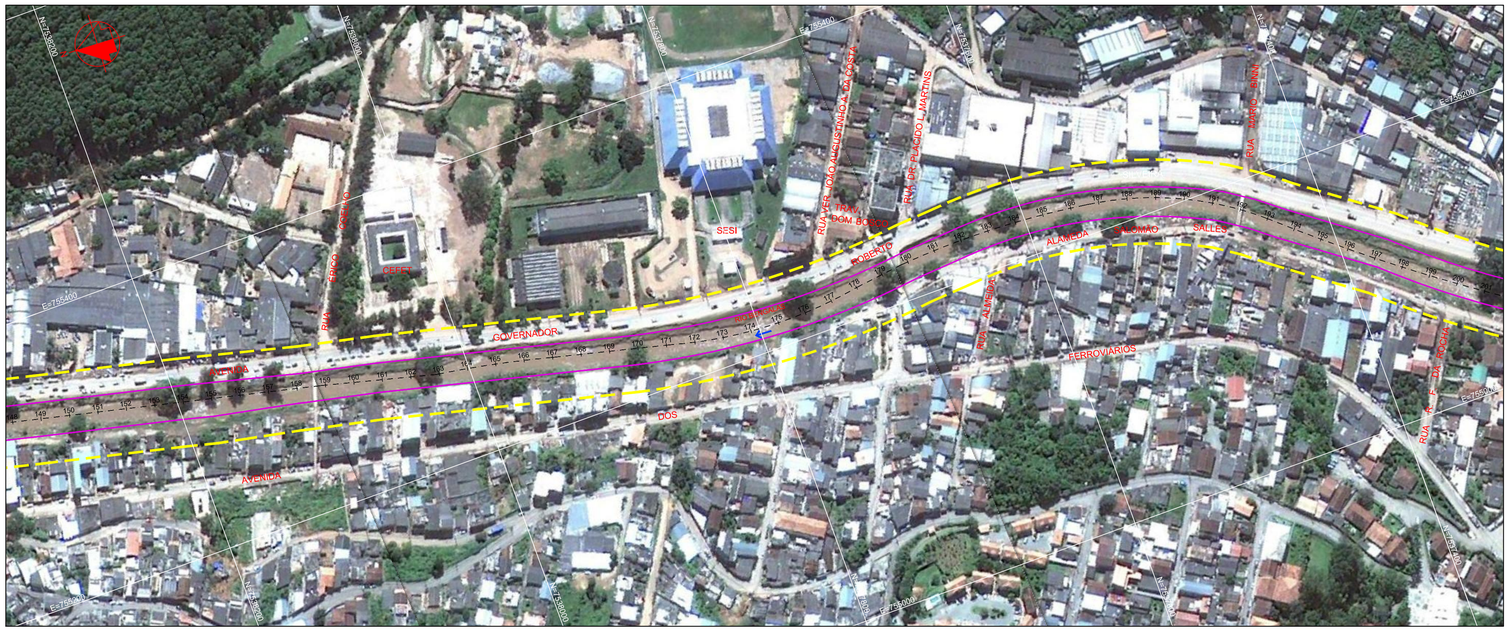
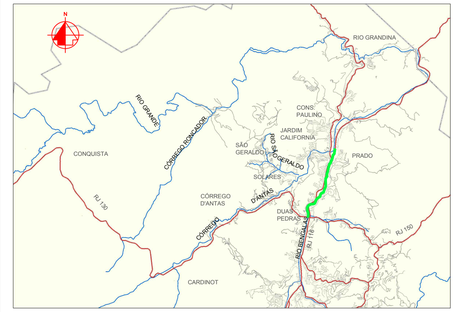


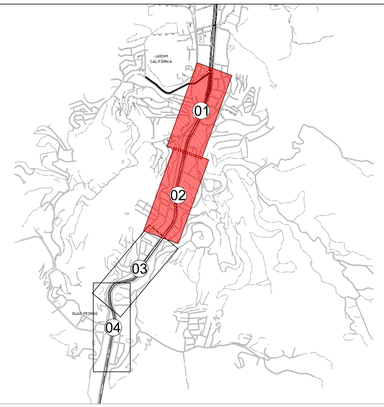


	MARGEM ESQUERDA		MARGEM DIREITA	
ESTACA	N	E	N	E
102	7.539.176,922	755.603,901	7.539.169,833	755.665,146
103	7.539.156,143	755.602,375	7.539.150,720	755.663,743
104	7.539.135,416	755.600,854	7.539.131,601	755.662,340
105	7.539.114,731	755.598,293	7.539.112,457	755.660,277
106	7.539.099,162	755.595,760	7.539.088,770	755.656,478
107	7.539.081,645	755.592,717	7.539.067,007	755.652,670
108	7.539.064,013	755.589,446	7.539.045,121	755.648,531
109	7.539.042,988	755.585,271	7.539.026,953	755.644,858
110	7.539.023,406	755.581,112	7.539.007,359	755.640,654
111	7.539.003,870	755.576,827	7.538.987,777	755.636,353
112	7.538.984,523	755.571,979	7.538.968,335	755.631,418
113	7.538.965,981	755.566,117	7.538.948,514	755.625,254
114	7.538.947,115	755.559,437	7.538.929,620	755.618,555
115	7.538.929,369	755.553,378	7.538.909,190	755.611,580
116	7.538.911,032	755.547,118	7.538.889,504	755.604,859
117	7.538.891,342	755.540,396	7.538.871,582	755.598,741
118	7.538.871,273	755.533,544	7.538.854,141	755.592,786
119	7.538.851,266	755.526,714	7.538.836,437	755.586,742
120	7.538.833,148	755.520,528	7.538.816,504	755.579,937
121	7.538.815,098	755.514,366	7.538.796,646	755.573,157
122	7.538.797,084	755.508,216	7.538.776,818	755.566,388
123	7.538.776,841	755.501,083	7.538.759,258	755.560,278
124	7.538.759,883	755.494,425	7.538.739,133	755.552,483
125	7.538.743,157	755.487,367	7.538.719,305	755.544,168
126	7.538.726,635	755.479,900	7.538.699,734	755.535,323
127	7.538.710,284	755.472,009	7.538.680,391	755.525,933
128	7.538.694,074	755.463,676	7.538.661,248	755.515,980
129	7.538.675,318	755.453,415	7.538.644,789	755.506,936
130	7.538.657,717	755.443,900	7.538.627,195	755.497,425
131	7.538.640,118	755.434,386	7.538.609,596	755.487,910
132	7.538.622,520	755.424,872	7.538.591,998	755.478,396
133	7.538.604,922	755.415,357	7.538.574,399	755.468,882
134	7.538.587,323	755.405,843	7.538.556,801	755.459,368
135	7.538.569,727	755.396,330	7.538.539,202	755.449,854
136	7.538.551,939	755.386,634	7.538.521,604	755.440,340
137	7.538.534,526	755.377,300	7.538.504,005	755.430,826
138	7.538.516,929	755.367,787	7.538.486,409	755.421,313
139	7.538.499,296	755.358,268	7.538.468,812	755.411,862
140	7.538.478,124	755.348,145	7.538.454,659	755.405,123
141	7.538.457,992	755.340,006	7.538.438,034	755.398,308
142	7.538.437,380	755.333,067	7.538.421,005	755.392,478
143	7.538.416,370	755.327,385	7.538.403,606	755.387,671
144	7.538.395,160	755.322,299	7.538.385,944	755.383,436
145	7.538.378,157	755.318,223	7.538.364,036	755.378,183
146	7.538.358,708	755.313,559	7.538.344,588	755.373,520
147	7.538.339,259	755.308,896	7.538.325,139	755.368,856
148	7.538.319,810	755.304,233	7.538.305,690	755.364,193
149	7.538.300,356	755.299,576	7.538.286,242	755.359,538
150	7.538.280,882	755.295,008	7.538.266,774	755.354,970
151	7.538.261,411	755.290,440	7.538.247,303	755.350,402
152	7.538.241,939	755.285,872	7.538.227,831	755.345,835
153	7.538.222,469	755.281,304	7.538.208,359	755.341,266
154	7.538.203,018	755.276,699	7.538.188,884	755.336,663
155	7.538.183,446	755.271,759	7.538.169,480	755.331,766
156	7.538.163,947	755.267,864	7.538.150,086	755.326,872
157	7.538.144,324	755.263,943	7.538.130,691	755.321,978
158	7.538.124,714	755.260,025	7.538.111,314	755.317,088
159	7.538.105,798	755.255,805	7.538.091,214	755.312,604
160	7.538.086,235	755.251,560	7.538.071,655	755.308,360
161	7.538.066,702	755.247,285	7.538.052,095	755.304,039
162	7.538.047,301	755.242,493	7.538.032,662	755.299,239
163	7.538.025,261	755.237,050	7.538.016,271	755.295,190
164	7.538.006,509	755.232,418	7.537.996,010	755.290,186
165	7.537.987,824	755.227,803	7.537.975,822	755.285,199
166	7.537.969,178	755.223,197	7.537.955,676	755.280,224
167	7.537.950,543	755.218,594	7.537.935,542	755.275,250
168	7.537.930,640	755.213,679	7.537.916,574	755.270,566
169	7.537.911,222	755.208,882	7.537.897,160	755.265,770
170	7.537.891,770	755.204,127	7.537.877,755	755.261,041
171	7.537.872,127	755.200,058	7.537.858,185	755.257,066
172	7.537.851,680	755.196,529	7.537.839,155	755.253,899
173	7.537.830,111	755.193,574	7.537.821,268	755.251,540
174	7.537.808,521	755.191,394	7.537.803,380	755.249,770
175	7.537.786,878	755.189,982	7.537.785,453	755.248,582
176	7.537.765,148	755.189,336	7.537.767,451	755.247,977
177	7.537.743,299	755.189,466	7.537.749,335	755.247,959
178	7.537.721,300	755.190,386	7.537.731,068	755.248,542
179	7.537.702,801	755.191,774	7.537.709,802	755.249,984
180	7.537.684,488	755.193,707	7.537.688,636	755.252,238
181	7.537.665,585	755.195,120	7.537.667,813	755.253,697
182	7.537.646,632	755.196,453	7.537.646,945	755.255,169
183	7.537.627,646	755.197,268	7.537.625,967	755.255,885
184	7.537.608,667	755.196,893	7.537.604,962	755.255,380
185	7.537.589,748	755.195,327	7.537.584,020	755.253,654
186	7.537.570,965	755.192,579	7.537.563,217	755.250,714
187	7.537.552,736	755.188,741	7.537.542,320	755.246,499
188	7.537.536,105	755.184,196	7.537.520,655	755.240,745
189	7.537.519,818	755.178,733	7.537.499,449	755.233,680
190	7.537.503,861	755.172,351	7.537.478,714	755.225,315
191	7.537.488,259	755.165,056	7.537.458,435	755.215,631
192	7.537.473,565	755.156,007	7.537.439,366	755.203,641
193	7.537.459,494	755.145,812	7.537.421,247	755.190,271
194	7.537.443,705	755.133,682	7.537.405,178	755.178,084
195	7.537.427,225	755.121,539	7.537.389,411	755.166,465
196	7.537.410,790	755.109,428	7.537.373,668	755.154,865
197	7.537.394,422	755.097,367	7.537.357,911	755.143,254
198	7.537.379,036	755.084,056	7.537.343,093	755.130,469
199	7.537.363,406	755.070,894	7.537.328,219	755.117,821
200	7.537.347,364	755.058,219	7.537.312,954	755.105,678
201	7.537.330,936	755.046,050	7.537.297,301	755.094,041

MAPA DE LOCALIZAÇÃO



ARTICULAÇÃO DAS PRANCHAS



LEGENDA

10 – 9 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: VICTOR CAMPOS DO REGO | CREA: 1996121459 | Visto:

Número do INEA: DRM-BH00-PNF-FBE-0-ECO-E-091-DE | Data: 22/07/2013

Número do projeto: INE06-RB-ET-PE-DE-091-R0 | Escala: 1:2.000

Prancha: 01/02