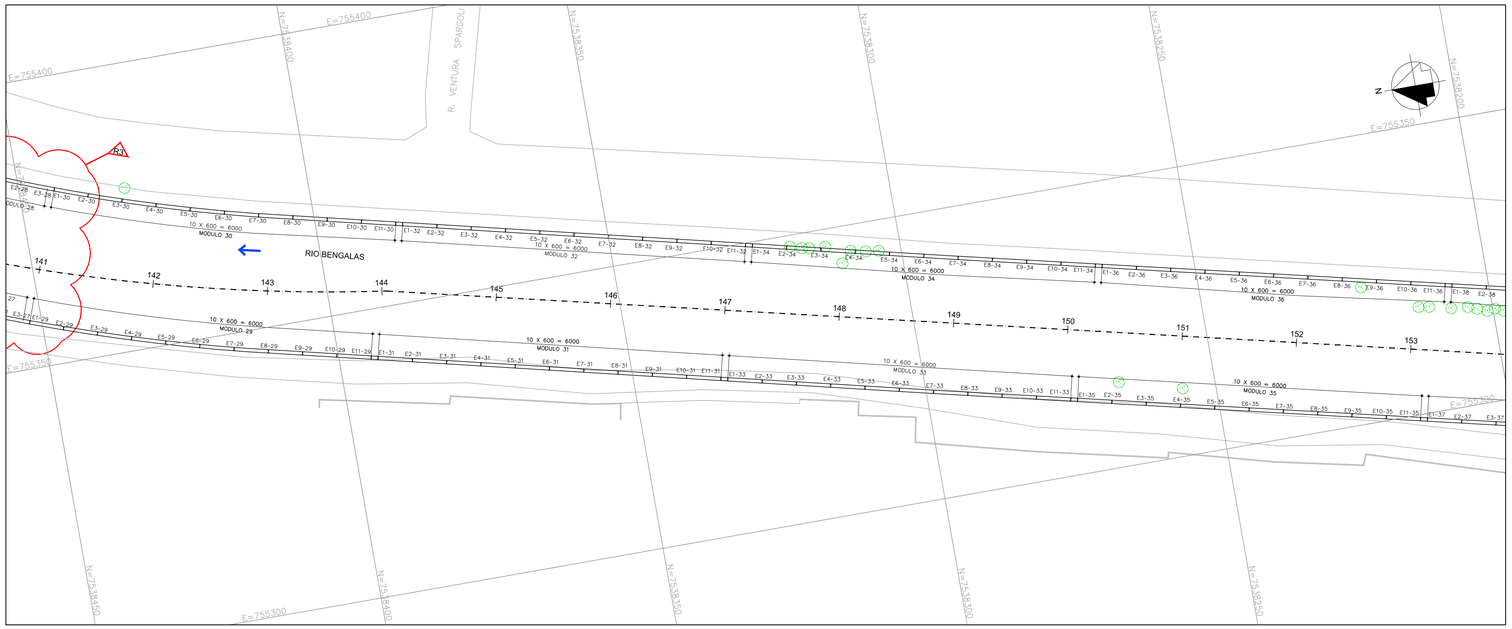
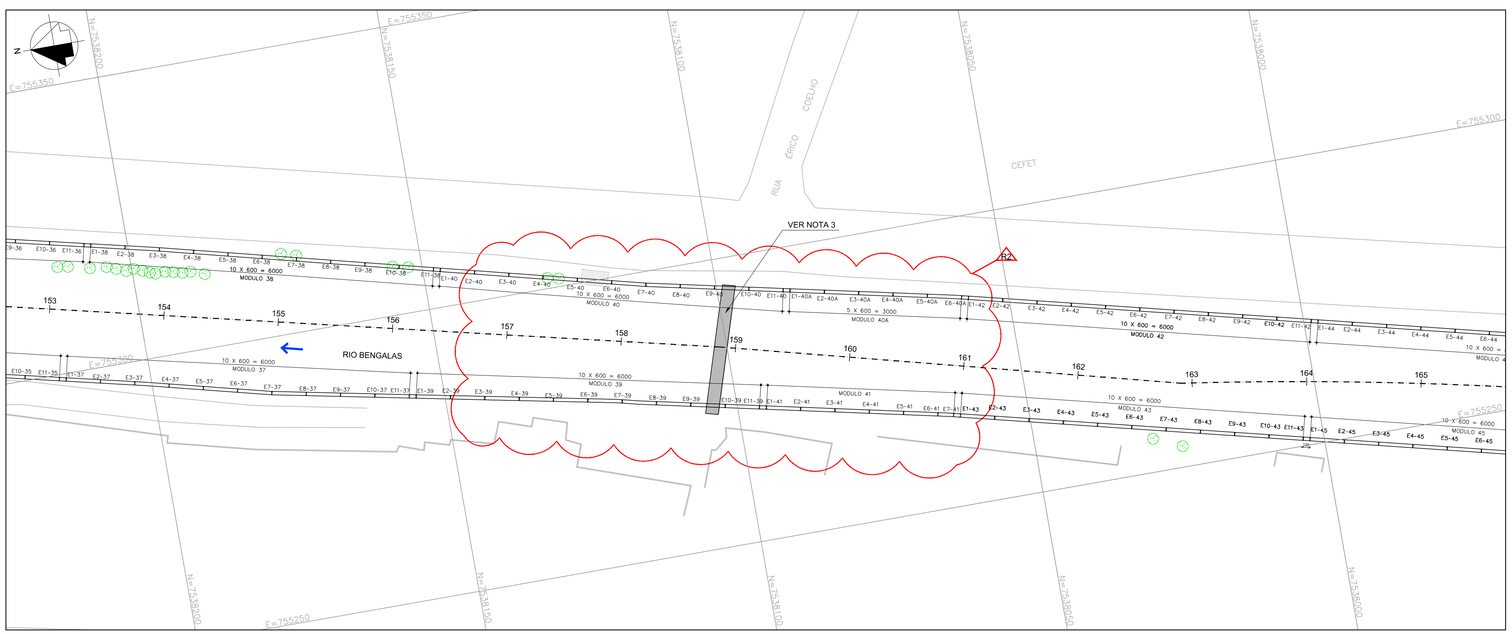




MARGEM ESQUERDA
TABELA DE COORDENADAS

ESTACA	N	E
E1-29	7.538.452,083	755.358,080
E2-29	7.538.446,443	755.356,034
E3-29	7.538.440,768	755.354,087
E4-29	7.538.435,060	755.352,237
E5-29	7.538.429,321	755.350,487
E6-29	7.538.423,553	755.348,836
E7-29	7.538.417,756	755.347,286
E8-29	7.538.411,929	755.345,859
E9-29	7.538.406,094	755.344,460
E10-29	7.538.400,259	755.343,060
E11-29	7.538.394,425	755.341,662
E1-31	7.538.393,258	755.341,382
E2-31	7.538.387,423	755.339,983
E3-31	7.538.381,588	755.338,584
E4-31	7.538.375,754	755.337,185
E5-31	7.538.369,919	755.335,786
E6-31	7.538.364,085	755.334,387
E7-31	7.538.358,250	755.332,988
E8-31	7.538.352,415	755.331,589
E9-31	7.538.346,581	755.330,190
E10-31	7.538.340,746	755.328,791
E11-31	7.538.334,911	755.327,392
E1-33	7.538.333,745	755.327,112
E2-33	7.538.327,910	755.325,714
E3-33	7.538.322,075	755.324,314
E4-33	7.538.316,241	755.322,916
E5-33	7.538.310,406	755.321,516
E6-33	7.538.304,571	755.320,118
E7-33	7.538.298,737	755.318,718
E8-33	7.538.292,897	755.317,342
E9-33	7.538.287,055	755.315,972
E10-33	7.538.281,214	755.314,601
E11-33	7.538.275,372	755.313,231
E1-35	7.538.274,204	755.312,957
E2-35	7.538.268,362	755.311,586
E3-35	7.538.262,521	755.310,216
E4-35	7.538.256,680	755.308,846
E5-35	7.538.250,838	755.307,475
E6-35	7.538.244,997	755.306,105
E7-35	7.538.239,155	755.304,734
E8-35	7.538.233,314	755.303,364
E9-35	7.538.227,473	755.301,994
E10-35	7.538.221,631	755.300,623
E11-35	7.538.215,790	755.299,253
E1-37	7.538.214,621	755.298,979
E2-37	7.538.208,780	755.297,609
E3-37	7.538.202,939	755.296,238
E4-37	7.538.197,112	755.294,804
E5-37	7.538.191,295	755.293,336
E6-37	7.538.185,477	755.291,868
E7-37	7.538.179,660	755.290,400
E8-37	7.538.173,777	755.289,218
E9-37	7.538.167,895	755.288,036
E10-37	7.538.162,012	755.286,855
E11-37	7.538.156,129	755.285,677

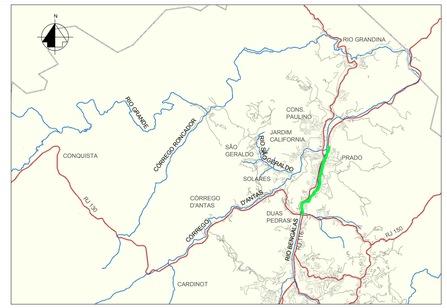
ESTACA	N	E
E1-39	7.538.154,952	755.285,442
E2-39	7.538.149,068	755.284,266
E3-39	7.538.143,184	755.283,091
E4-39	7.538.137,301	755.281,915
E5-39	7.538.131,417	755.280,740
E6-39	7.538.125,533	755.279,564
E7-39	7.538.119,657	755.278,352
E8-39	7.538.113,815	755.276,986
E9-39	7.538.107,951	755.275,714
E10-39	7.538.102,087	755.274,442
E11-39	7.538.096,224	755.273,169
E1-41	7.538.095,051	755.272,915
E2-41	7.538.089,187	755.271,643
E3-41	7.538.083,324	755.270,371
E4-41	7.538.077,460	755.269,098
E5-41	7.538.071,596	755.267,826
E6-41	7.538.065,733	755.266,554
E7-41	7.538.063,052	755.265,955

MARGEM DIREITA
TABELA DE COORDENADAS

ESTACA	N	E
E1-30	7.538.443,846	755.380,196
E2-30	7.538.438,204	755.378,153
E3-30	7.538.432,525	755.376,217
E4-30	7.538.426,811	755.374,385
E5-30	7.538.421,065	755.372,661
E6-30	7.538.415,287	755.371,043
E7-30	7.538.409,478	755.369,541
E8-30	7.538.403,643	755.368,141
E9-30	7.538.397,809	755.366,743
E10-30	7.538.391,974	755.365,344
E11-30	7.538.386,140	755.363,944
E1-32	7.538.384,973	755.363,664
E2-32	7.538.379,138	755.362,265
E3-32	7.538.373,303	755.360,866
E4-32	7.538.367,469	755.359,467
E5-32	7.538.361,634	755.358,068
E6-32	7.538.355,800	755.356,669
E7-32	7.538.349,965	755.355,270
E8-32	7.538.344,130	755.353,871
E9-32	7.538.338,296	755.352,472
E10-32	7.538.332,461	755.351,073
E11-32	7.538.326,626	755.349,675
E1-34	7.538.325,460	755.349,395
E2-34	7.538.319,625	755.347,996
E3-34	7.538.313,790	755.346,597
E4-34	7.538.307,956	755.345,198
E5-34	7.538.302,121	755.343,799
E6-34	7.538.296,286	755.342,400
E7-34	7.538.290,450	755.341,009
E8-34	7.538.284,608	755.339,639
E9-34	7.538.278,767	755.338,268
E10-34	7.538.272,926	755.336,898
E11-34	7.538.267,085	755.335,528
E1-36	7.538.265,917	755.335,254
E2-36	7.538.260,076	755.333,883
E3-36	7.538.254,235	755.332,513
E4-36	7.538.248,393	755.331,143
E5-36	7.538.242,552	755.329,772
E6-36	7.538.236,710	755.328,402
E7-36	7.538.230,869	755.327,031
E8-36	7.538.225,028	755.325,661
E9-36	7.538.219,186	755.324,291
E10-36	7.538.213,345	755.322,920
E11-36	7.538.207,503	755.321,550
E1-38	7.538.206,335	755.321,276
E2-38	7.538.200,494	755.319,905
E3-38	7.538.194,655	755.318,524
E4-38	7.538.188,837	755.317,056
E5-38	7.538.183,020	755.315,588
E6-38	7.538.177,202	755.314,119
E7-38	7.538.171,384	755.312,651
E8-38	7.538.165,567	755.311,183
E9-38	7.538.159,749	755.309,715
E10-38	7.538.153,932	755.308,247
E11-38	7.538.148,114	755.306,779

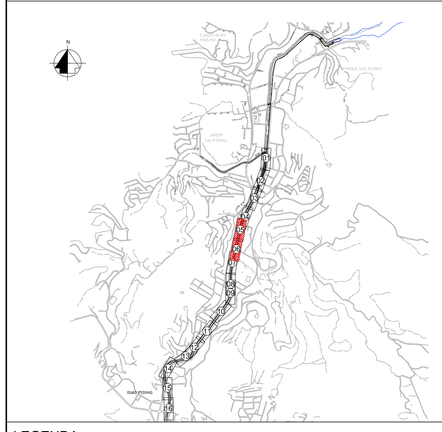
ESTACA	N	E
E1-40	7.538.146,953	755.306,486
E2-40	7.538.141,135	755.305,018
E3-40	7.538.135,317	755.303,549
E4-40	7.538.129,502	755.302,062
E5-40	7.538.123,680	755.300,613
E6-40	7.538.117,862	755.299,144
E7-40	7.538.112,044	755.297,681
E8-40	7.538.106,180	755.296,409
E9-40	7.538.100,316	755.295,137
E10-40	7.538.094,453	755.293,864
E11-40	7.538.088,589	755.292,592
E1-40A	7.538.087,416	755.292,338
E2-40A	7.538.081,552	755.291,066
E3-40A	7.538.075,689	755.289,793
E4-40A	7.538.069,825	755.288,521
E5-40A	7.538.063,961	755.287,249
E6-40A	7.538.058,103	755.285,952

MAPA DE LOCALIZAÇÃO



RIO BENGALAS

ARTICULAÇÃO DAS PRANCHAS



LEGENDA

- ESTAQUEAMENTO
- SENTIDO DE ESCOAMENTO
- CALHA DO RIO BENGALAS
- E7-3 PERFIL METÁLICO
- TRAVESSIA VIÁRIA
- TRAVESSIA DE PEDESTRE

NOTAS

1 - MEDIDAS E COTAS EM METRO, SALVO ONDE INDICADO;
2 - PARA DETALHES DAS TRAVESSIAS VIÁRIAS VER DESENHOS:
DRM-BH00-PNF-FBE-0-ECO-G-037_042-DE - PROJETO PARA PROTEÇÃO PROVISÓRIA DAS TRAVESSIAS VIÁRIAS - PLANTA, SEÇÕES E DETALHES;
3 - PARA IMPLANTAÇÃO DO TRECHO PRÓXIMO À PASSARELA, AGUARDAR A EXECUÇÃO DA FUNDAÇÃO DA MESMA.

DOCUMENTOS DE REFERÊNCIA

1 - DRM-BH00-PNF-FBE-0-ECO-B-001_003-DE - LEVANTAMENTO TOPOGRÁFICO RIO BENGALAS.

R2	B	05/08/13			Liberação da locação dos perfis nos trechos indicados
R1	A	03/07/13			Onde indicado / Revisão da numeração da prancha
inicial	A	01/07/13			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

GARAMBONE PROJETOS E CONSULTORIA LTDA.

Ecologus Engenharia Consultiva

Projeto: PROJETO ESTRUTURAL
RIO BENGALAS
LOCAÇÃO DAS ESTACAS - E141 a E161

Responsável pelo projeto: VICENTE GARAMBONE FILHO | CREA: RJ16.661-D | Visto:

Número do INEA: DRM-BH00-PNF-FBE-0-ECO-E-003-DE | Data: 01/07/2013

Número do projeto: INE06-RB-ET-PE-DE-003-R2 | Escala: 1:500

Prancha: 03/08

DRM-BH00-PNF-FBE-0-ECO-E-001_008-DE