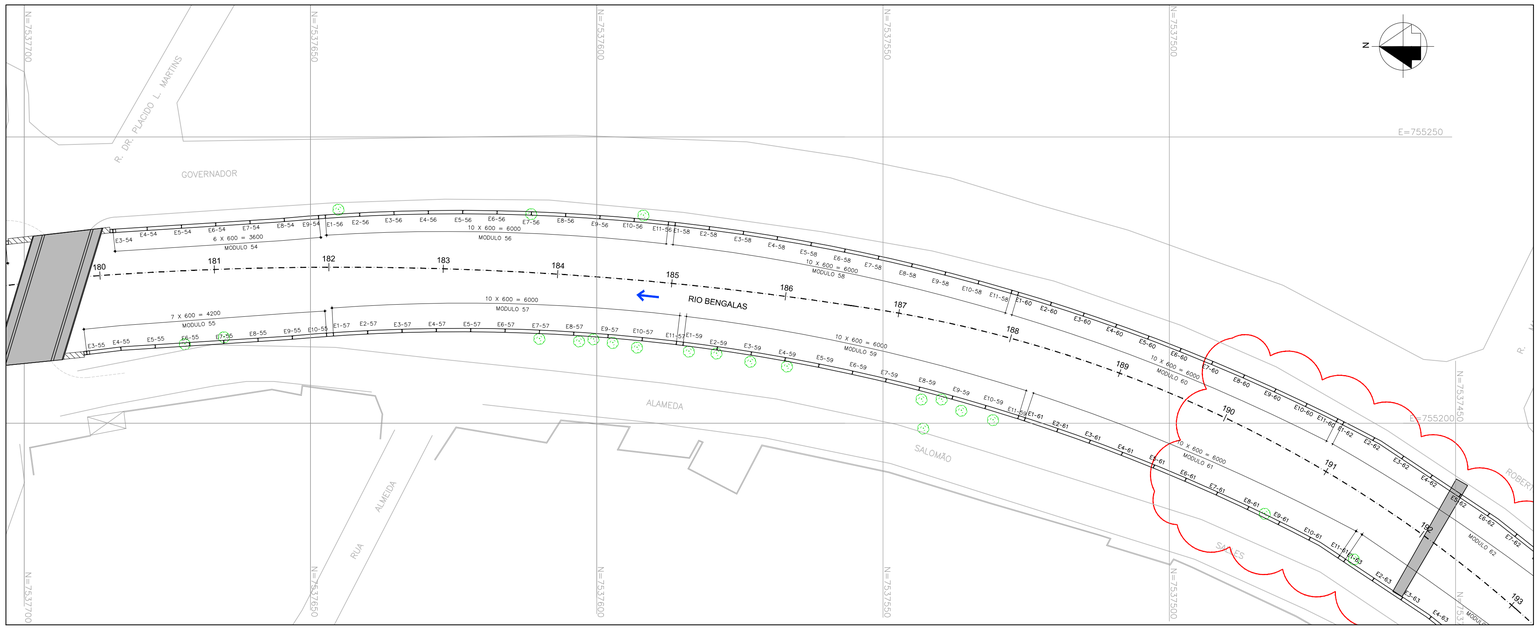


MARGEM ESQUERDA
TABELA DE COORDENADAS

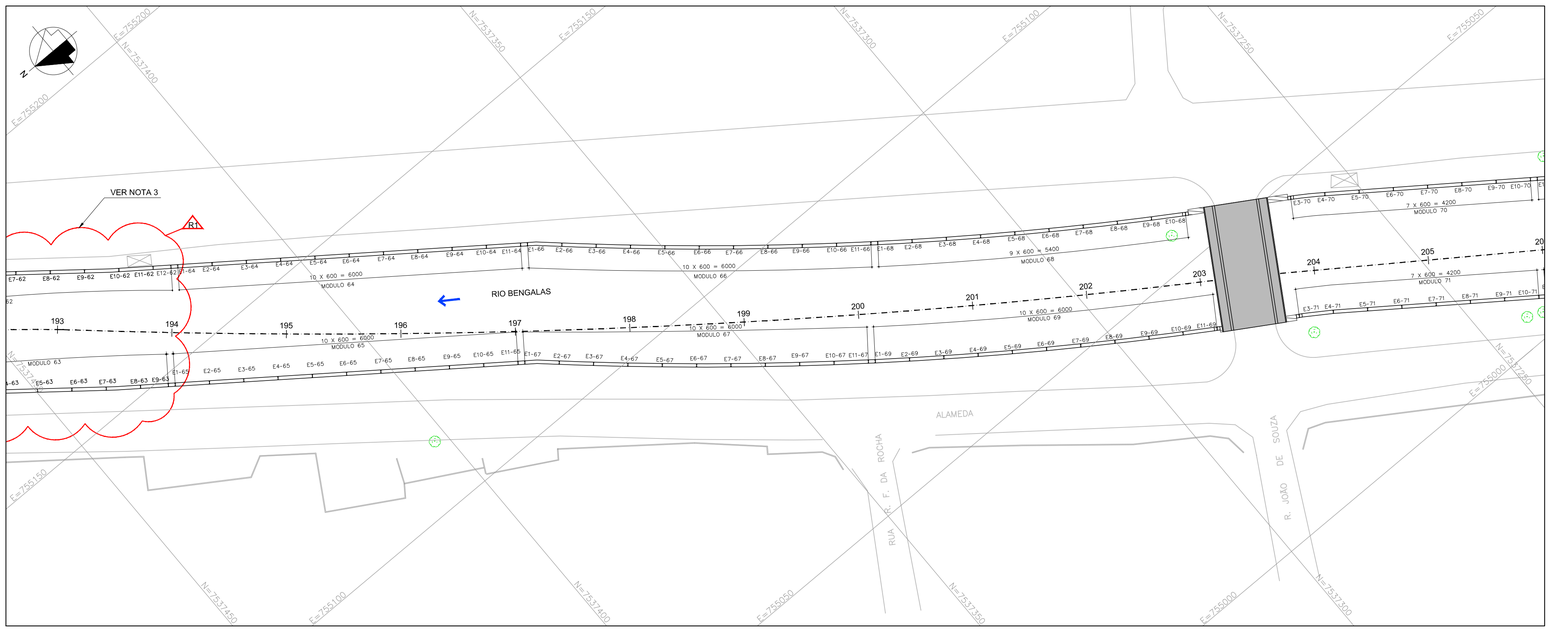
ESTACA	N	E
E1-57	7.537.645,997	755.215,546
E2-57	7.537.640,007	755.215,898
E3-57	7.537.634,012	755.216,138
E4-57	7.537.628,014	755.216,266
E5-57	7.537.622,014	755.216,282
E6-57	7.537.616,010	755.216,187
E7-57	7.537.610,013	755.215,979
E8-57	7.537.604,017	755.215,659
E9-57	7.537.598,032	755.215,228
E10-57	7.537.592,057	755.214,685
E11-57	7.537.586,093	755.214,030
E1-59	7.537.584,902	755.213,886
E2-59	7.537.578,953	755.213,098
E3-59	7.537.573,021	755.212,199
E4-59	7.537.567,106	755.211,190
E5-59	7.537.561,212	755.210,071
E6-59	7.537.555,339	755.208,842
E7-59	7.537.549,490	755.207,503
E8-59	7.537.543,667	755.206,056
E9-59	7.537.537,873	755.204,500
E10-59	7.537.532,108	755.202,836
E11-59	7.537.526,375	755.201,065

ESTACA	N	E
E1-61	7.537.525,233	755.200,698
E2-61	7.537.519,541	755.198,800
E3-61	7.537.513,886	755.196,795
E4-61	7.537.508,269	755.194,685
E5-61	7.537.502,692	755.192,471
E6-61	7.537.497,158	755.190,153
E7-61	7.537.491,668	755.187,732
E8-61	7.537.486,225	755.185,209
E9-61	7.537.480,829	755.182,585
E10-61	7.537.475,483	755.179,861
E11-61	7.537.470,396	755.176,680
E1-63	7.537.469,379	755.176,044
E2-63	7.537.464,383	755.172,720
E3-63	7.537.459,388	755.169,397
E4-63	7.537.454,420	755.166,032
E5-63	7.537.449,717	755.162,306
E6-63	7.537.445,014	755.158,580
E7-63	7.537.440,311	755.154,854
E8-63	7.537.435,515	755.151,249
E9-63	7.537.431,597	755.148,362

ESTACA	N	E
E1-65	7.537.430,631	755.147,650
E2-65	7.537.425,800	755.144,091
E3-65	7.537.420,970	755.140,531
E4-65	7.537.416,140	755.136,972
E5-65	7.537.411,310	755.133,412
E6-65	7.537.406,480	755.129,853
E7-65	7.537.401,650	755.126,294
E8-65	7.537.396,820	755.122,734
E9-65	7.537.391,989	755.119,175
E10-65	7.537.387,159	755.115,616
E11-65	7.537.382,329	755.112,056
E1-67	7.537.381,363	755.111,343
E2-67	7.537.376,784	755.107,467
E3-67	7.537.372,322	755.103,455
E4-67	7.537.367,823	755.099,487
E5-67	7.537.363,286	755.095,560
E6-67	7.537.358,712	755.091,677
E7-67	7.537.354,102	755.087,837
E8-67	7.537.349,452	755.084,037
E9-67	7.537.344,770	755.080,285
E10-67	7.537.340,049	755.076,574
E11-67	7.537.335,294	755.072,907

ESTACA	N	E
E1-69	7.537.334,340	755.072,179
E2-69	7.537.329,547	755.068,570
E3-69	7.537.324,720	755.065,006
E4-69	7.537.319,860	755.061,488
E5-69	7.537.314,967	755.058,016
E6-69	7.537.310,041	755.054,590
E7-69	7.537.305,084	755.051,210
E8-69	7.537.300,094	755.047,877
E9-69	7.537.295,074	755.044,592
E10-69	7.537.290,027	755.041,356
E11-69	7.537.284,945	755.038,166
E3-71	7.537.272,519	755.030,641
E4-71	7.537.267,496	755.027,366
E5-71	7.537.262,633	755.023,851
E6-71	7.537.257,770	755.020,337
E7-71	7.537.252,908	755.016,822
E8-71	7.537.248,045	755.013,308
E9-71	7.537.243,182	755.009,793
E10-71	7.537.238,319	755.006,279

R4



MARGEM DIREITA
TABELA DE COORDENADAS

ESTACA	N	E
E1-56	7.537.647,397	755.236,098
E2-56	7.537.641,408	755.236,454
E3-56	7.537.635,413	755.236,704
E4-56	7.537.629,415	755.236,849
E5-56	7.537.623,415	755.236,889
E6-56	7.537.617,415	755.236,823
E7-56	7.537.611,418	755.236,653
E8-56	7.537.605,424	755.236,377
E9-56	7.537.599,436	755.235,996
E10-56	7.537.593,456	755.235,510
E11-56	7.537.587,485	755.234,920
E1-58	7.537.586,292	755.234,790
E2-58	7.537.580,335	755.234,073
E3-58	7.537.574,391	755.233,253
E4-58	7.537.568,463	755.232,328
E5-58	7.537.562,552	755.231,300
E6-58	7.537.556,659	755.230,168
E7-58	7.537.550,788	755.228,933
E8-58	7.537.544,939	755.227,595
E9-58	7.537.539,114	755.226,155
E10-58	7.537.533,316	755.224,613
E11-58	7.537.527,545	755.222,970

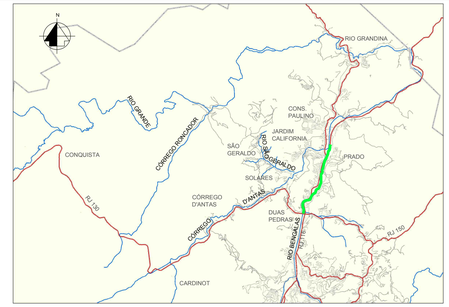
ESTACA	N	E
E1-60	7.537.526,395	755.222,629
E2-60	7.537.520,660	755.220,865
E3-60	7.537.514,957	755.219,000
E4-60	7.537.509,288	755.217,035
E5-60	7.537.503,654	755.214,972
E6-60	7.537.498,057	755.212,810
E7-60	7.537.492,499	755.210,550
E8-60	7.537.486,981	755.208,193
E9-60	7.537.481,506	755.205,739
E10-60	7.537.476,074	755.203,190
E11-60	7.537.470,689	755.200,546
E1-62	7.537.469,616	755.200,006
E2-62	7.537.464,287	755.197,250
E3-62	7.537.459,224	755.194,030
E4-62	7.537.454,228	755.190,707
E5-62	7.537.449,233	755.187,384
E6-62	7.537.444,237	755.184,060
E7-62	7.537.439,445	755.180,450
E8-62	7.537.434,742	755.176,724
E9-62	7.537.430,040	755.172,998
E10-62	7.537.425,304	755.169,313
E11-62	7.537.420,474	755.165,754
E12-62	7.537.417,964	755.163,904

ESTACA	N	E
E1-64	7.537.416,998	755.163,193
E2-64	7.537.412,167	755.159,633
E3-64	7.537.407,337	755.156,074
E4-64	7.537.402,507	755.152,514
E5-64	7.537.397,677	755.148,955
E6-64	7.537.392,847	755.145,396
E7-64	7.537.388,016	755.141,836
E8-64	7.537.383,186	755.138,277
E9-64	7.537.378,356	755.134,718
E10-64	7.537.373,526	755.131,158
E11-64	7.537.368,695	755.127,599
E1-66	7.537.367,731	755.126,885
E2-66	7.537.363,197	755.122,955
E3-66	7.537.358,737	755.118,942
E4-66	7.537.354,238	755.114,973
E5-66	7.537.349,700	755.111,047
E6-66	7.537.345,124	755.107,166
E7-66	7.537.340,511	755.103,330
E8-66	7.537.335,860	755.099,539
E9-66	7.537.331,173	755.095,794
E10-66	7.537.326,449	755.092,094
E11-66	7.537.321,690	755.088,440

ESTACA	N	E
E1-68	7.537.320,734	755.087,715
E2-68	7.537.315,932	755.084,118
E3-68	7.537.311,078	755.080,591
E4-68	7.537.306,224	755.077,064
E5-68	7.537.301,319	755.073,608
E6-68	7.537.296,381	755.070,200
E7-68	7.537.291,410	755.066,841
E8-68	7.537.286,406	755.063,530
E9-68	7.537.281,370	755.060,268
E10-68	7.537.276,303	755.057,054
E3-70	7.537.260,401	755.047,421
E4-70	7.537.255,430	755.044,062
E5-70	7.537.250,567	755.040,548
E6-70	7.537.245,704	755.037,033
E7-70	7.537.240,841	755.033,518
E8-70	7.537.235,979	755.030,004
E9-70	7.537.231,116	755.026,489
E10-70	7.537.226,253	755.022,975

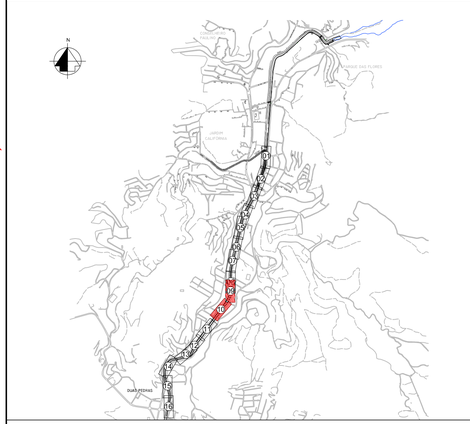
R3

MAPA DE LOCALIZAÇÃO



RIO BENGALAS

ARTICULAÇÃO DAS PRANCHAS



LEGENDA

10 – 9 ESTAQUEAMENTO

SENTIDO DE ESCOAMENTO

CALHA DO RIO BENGALAS

TRAVESSIA VIÁRIA

TRAVESSIA DE PEDESTRE

E7-3 PERFIL METÁLICO

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.

R4	B	30/06/14			Exclusão da área de hold na travessia viária
R3	B	26/05/14			Revisão das coordenadas
R2	B	23/01/14			Redução das áreas de hold
R1	B	05/08/13			Liberação da locação dos perfis nos trechos indicados
inicial	A	03/07/13			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 - E182 a E206

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

Número do INEA: DRM-BH00-PNF-FBE-0-ECO-E-005-DE
Data: 03/07/2013
Prancha: 05/08

Número do projeto: INE06-RB-ET-PE-DE-005-R4
Escala: 1:500

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