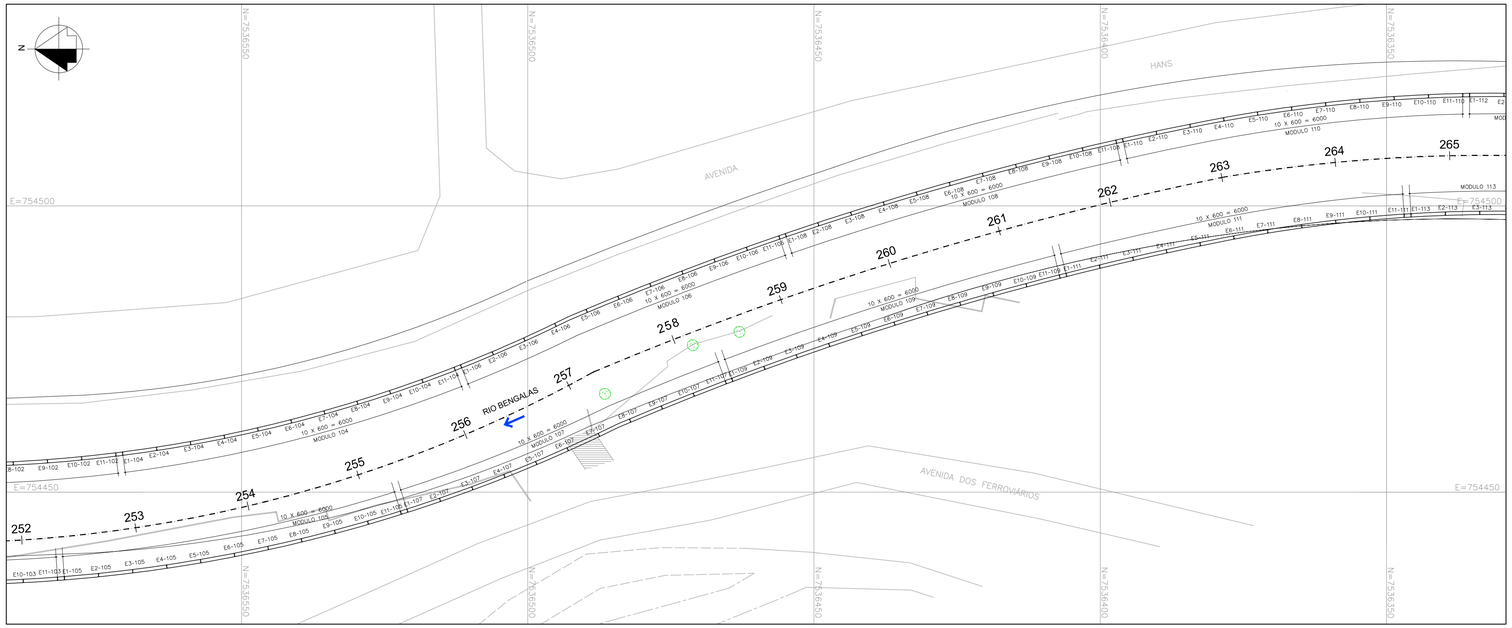
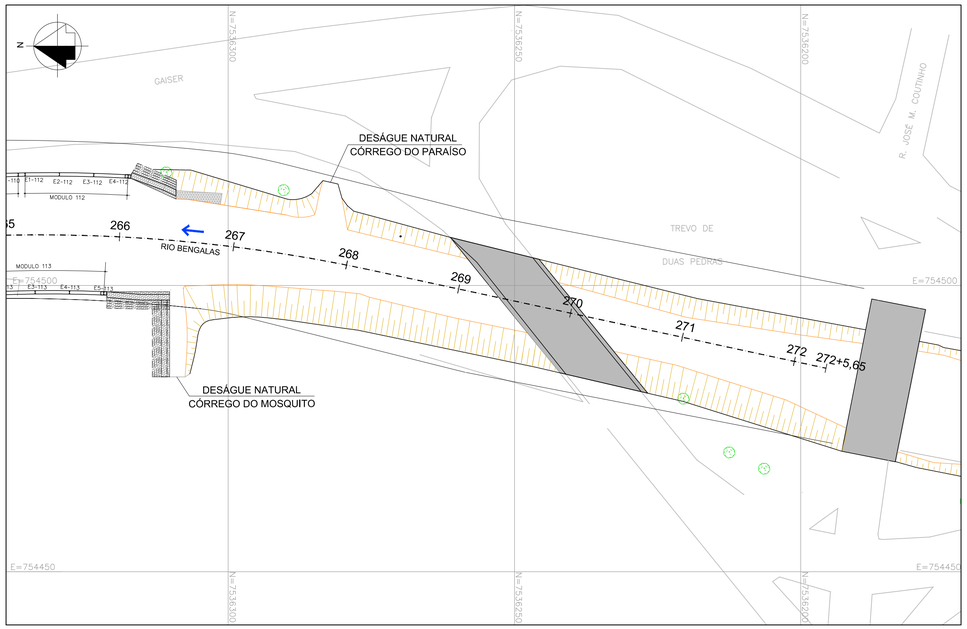




MARGEM ESQUERDA
TABELA DE COORDENADAS

ESTACA	N	E
E1-95	7536796,837	754595,185
E2-95	7536795,999	754589,244
E3-95	7536795,162	754583,302
E4-95	7536794,324	754577,361
E5-95	7536793,487	754571,420
E6-95	7536792,649	754565,478
E7-95	7536791,812	754559,537
E8-95	7536790,878	754553,611
E9-95	7536789,668	754547,735
E10-95	7536788,181	754541,922
E11-95	7536786,420	754536,187
E1-97	7536786,035	754535,051
E2-97	7536783,951	754529,425
E3-97	7536781,603	754523,904
E4-97	7536778,995	754518,501
E5-97	7536776,135	754513,227
E6-97	7536773,028	754508,095
E7-97	7536769,681	754503,116
E8-97	7536766,102	754498,301
E9-97	7536762,298	754493,661
E10-97	7536758,280	754489,207
E11-97	7536754,054	754484,948
E1-99	7536753,185	754484,120
E2-99	7536748,724	754480,109
E3-99	7536744,078	754476,313
E4-99	7536739,258	754472,741
E5-99	7536734,273	754469,402
E6-99	7536729,136	754466,303
E7-99	7536723,840	754463,484
E8-99	7536718,470	754460,808
E9-99	7536713,042	754458,253
E10-99	7536707,557	754455,821
E11-99	7536702,019	754453,512
E1-101	7536700,905	754453,066
E2-101	7536695,307	754450,908
E3-101	7536689,661	754448,876
E4-101	7536683,972	754446,972
E5-101	7536678,241	754445,197
E6-101	7536672,471	754443,550
E7-101	7536666,666	754442,034
E8-101	7536660,828	754440,649
E9-101	7536654,960	754439,396
E10-101	7536649,066	754438,275
E11-101	7536643,148	754437,287
E1-103	7536641,962	754437,105
E2-103	7536636,020	754436,277
E3-103	7536630,060	754435,583
E4-103	7536624,086	754435,023
E5-103	7536618,102	754434,597
E6-103	7536612,109	754434,306
E7-103	7536606,111	754434,150
E8-103	7536600,111	754434,129
E9-103	7536594,112	754434,243
E10-103	7536588,118	754434,492
E11-103	7536582,130	754434,876

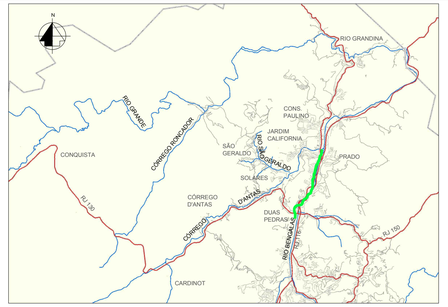
ESTACA	N	E
E1-105	7536580,934	754434,969
E2-105	7536574,959	754435,514
E3-105	7536568,997	754436,193
E4-105	7536563,053	754437,007
E5-105	7536557,128	754437,954
E6-105	7536551,226	754439,033
E7-105	7536545,350	754440,246
E8-105	7536539,503	754441,590
E9-105	7536533,687	754443,065
E10-105	7536527,906	754444,671
E11-105	7536522,163	754446,407
E1-107	7536521,019	754446,769
E2-107	7536515,324	754448,659
E3-107	7536509,674	754450,677
E4-107	7536504,070	754452,821
E5-107	7536498,516	754455,090
E6-107	7536493,014	754457,484
E7-107	7536487,568	754460,001
E8-107	7536482,121	754462,513
E9-107	7536476,576	754464,803
E10-107	7536471,005	754467,031
E11-107	7536465,409	754469,197
E1-109	7536464,287	754469,622
E2-109	7536458,663	754471,713
E3-109	7536453,016	754473,740
E4-109	7536447,346	754475,704
E5-109	7536441,656	754477,605
E6-109	7536435,944	754479,442
E7-109	7536430,212	754481,215
E8-109	7536424,460	754482,924
E9-109	7536418,690	754484,568
E10-109	7536412,902	754486,148
E11-109	7536407,096	754487,663
E1-111	7536405,933	754487,958
E2-111	7536400,108	754489,395
E3-111	7536394,267	754490,767
E4-111	7536388,411	754492,074
E5-111	7536382,541	754493,315
E6-111	7536376,657	754494,489
E7-111	7536370,750	754495,542
E8-111	7536364,819	754496,449
E9-111	7536358,868	754497,209
E10-111	7536352,899	754497,822
E11-111	7536346,917	754498,286
E1-113	7536345,720	754498,362
E2-113	7536339,727	754498,649
E3-113	7536333,728	754498,787
E4-113	7536327,729	754498,778
E5-113	7536321,731	754498,620

MARGEM DIREITA
TABELA DE COORDENADAS

ESTACA	N	E
E1-94	7536779,122	754617,098
E2-94	7536778,285	754611,162
E3-94	7536777,447	754605,216
E4-94	7536776,610	754599,274
E5-94	7536775,772	754593,333
E6-94	7536774,935	754587,392
E7-94	7536774,097	754581,451
E8-94	7536773,260	754575,509
E9-94	7536772,422	754569,568
E10-94	7536771,585	754563,627
E11-94	7536770,682	754557,696
E1-96	7536770,465	754556,515
E2-96	7536769,185	754550,654
E3-96	7536767,575	754544,875
E4-96	7536765,641	754539,196
E5-96	7536763,388	754533,636
E6-96	7536760,824	754528,212
E7-96	7536757,957	754522,942
E8-96	7536754,797	754517,843
E9-96	7536751,353	754512,931
E10-96	7536747,637	754508,221
E11-96	7536743,660	754503,730
E1-98	7536742,834	754502,859
E2-98	7536738,561	754498,648
E3-98	7536734,057	754494,685
E4-98	7536729,336	754490,984
E5-98	7536724,413	754487,556
E6-98	7536719,303	754484,412
E7-98	7536714,007	754481,593
E8-98	7536708,630	754478,933
E9-98	7536703,189	754476,404
E10-98	7536697,688	754474,008
E11-98	7536692,130	754471,748
E1-100	7536691,012	754471,312
E2-100	7536685,391	754469,215
E3-100	7536679,720	754467,255
E4-100	7536674,003	754465,434
E5-100	7536668,243	754463,754
E6-100	7536662,445	754462,214
E7-100	7536656,610	754460,816
E8-100	7536650,743	754459,560
E9-100	7536644,847	754458,448
E10-100	7536638,926	754457,480
E11-100	7536632,983	754456,657
E1-102	7536631,792	754456,509
E2-102	7536625,827	754455,860
E3-102	7536619,848	754455,356
E4-102	7536613,859	754454,999
E5-102	7536607,863	754454,787
E6-102	7536601,864	754454,722
E7-102	7536595,864	754454,802
E8-102	7536589,869	754455,029
E9-102	7536583,881	754455,403
E10-102	7536577,903	754455,922
E11-102	7536571,940	754456,586

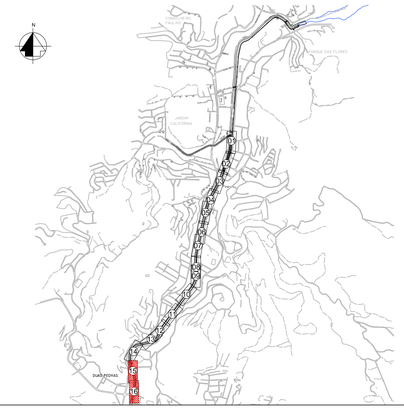
ESTACA	N	E
E1-104	7536570,750	754456,736
E2-104	7536564,809	754457,575
E3-104	7536558,890	754458,558
E4-104	7536552,997	754459,685
E5-104	7536547,133	754460,956
E6-104	7536541,302	754462,369
E7-104	7536535,507	754463,924
E8-104	7536529,752	754465,619
E9-104	7536524,040	754467,455
E10-104	7536518,374	754469,429
E11-104	7536512,758	754471,540
E1-106	7536511,641	754471,979
E2-106	7536506,089	754474,254
E3-106	7536500,594	754476,663
E4-106	7536495,160	754479,206
E5-106	7536489,694	754481,675
E6-106	7536484,147	754483,962
E7-106	7536478,576	754486,189
E8-106	7536472,981	754488,356
E9-106	7536467,363	754490,463
E10-106	7536461,722	754492,509
E11-106	7536456,060	754494,494
E1-108	7536454,925	754494,884
E2-108	7536449,238	754496,796
E3-108	7536443,531	754498,647
E4-108	7536437,804	754500,436
E5-108	7536432,058	754502,164
E6-108	7536426,294	754503,829
E7-108	7536420,512	754505,432
E8-108	7536414,713	754506,974
E9-108	7536408,898	754508,452
E10-108	7536403,068	754509,868
E11-108	7536397,223	754511,221
E1-110	7536396,052	754511,484
E2-110	7536390,189	754512,762
E3-110	7536384,314	754513,976
E4-110	7536378,423	754515,115
E5-110	7536372,509	754516,126
E6-110	7536366,573	754517,002
E7-110	7536360,619	754517,743
E8-110	7536354,650	754518,347
E9-110	7536348,668	754518,816
E10-110	7536342,678	754519,147
E11-110	7536336,681	754519,343
E1-112	7536335,481	754519,365
E2-112	7536329,481	754519,396
E3-112	7536323,482	754519,291
E4-112	7536317,487	754519,059

MAPA DE LOCALIZAÇÃO



RIO BENGALAS

ARTICULAÇÃO DAS PRANCHAS



LEGENDA

- 10 – 9 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 - TRECHO 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.

DOCUMENTOS DE REFERÊNCIA

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

R3	B	15/04/15			Revisão do trecho 8
R2	B	23/01/14			Redução das áreas de hold
R1	A	05/09/13			Onde indicado
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 - E253 a E272

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

Número do INEA: DRM-BH00-PNF-FBE-0-ECO-E-008-DE
Data: 03/07/2013
Prancha: 08/08

Número do projeto: INE06-RB-ET-PE-DE-008-R3
Escala: 1:500

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